

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052419\
 Data File : VD062529.D
 Acq On : 24 May 2019 14:00
 Operator : VA/AP
 Sample : VD0524SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBS01

Quant Time: May 24 22:08:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	443114	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	560711	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	457873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	282536	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	260920	55.01	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	110.02%	
35) Dibromofluoromethane	6.92	113	264136	52.22	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	104.44%	
50) Toluene-d8	10.41	98	538464	48.64	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	97.28%	
62) 4-Bromofluorobenzene	13.56	95	237981	49.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	100115	21.194	ug/l	99
3) Chloromethane	1.75	50	64122	20.889	ug/l	91
4) Vinyl Chloride	1.85	62	74550	23.079	ug/l	91
5) Bromomethane	2.14	94	36077	25.883	ug/l	92
6) Chloroethane	2.25	64	41743	26.714	ug/l	92
7) Trichlorofluoromethane	2.52	101	198317	26.572	ug/l	93
8) Diethyl Ether	2.87	74	25428	25.256	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.13	101	101691	22.902	ug/l #	94
10) Methyl Iodide	3.29	142	140451	22.685	ug/l #	69
11) Tert butyl alcohol	4.09	59	21389	97.693	ug/l #	81
12) 1,1-Dichloroethene	3.12	96	75090	22.882	ug/l #	82
13) Acrolein	3.03	56	18856	103.708	ug/l	92
14) Allyl chloride	3.61	41	94405	19.511	ug/l #	69
15) Acrylonitrile	4.20	53	45621	90.935	ug/l #	76
16) Acetone	3.22	43	87533	102.982	ug/l #	79
17) Carbon Disulfide	3.36	76	198890	20.012	ug/l	97
18) Methyl Acetate	3.64	43	28828	19.655	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	170216	22.458	ug/l	95
20) Methylene Chloride	3.80	84	76996	17.118	ug/l	91
21) trans-1,2-Dichloroethene	4.22	96	74164	19.305	ug/l	86
22) Diisopropyl ether	5.11	45	202712	19.683	ug/l #	86
23) Vinyl Acetate	5.05	43	601146	96.597	ug/l #	94
24) 1,1-Dichloroethane	4.98	63	135478	20.425	ug/l	97
25) 2-Butanone	6.08	43	83441	93.859	ug/l	95
26) 2,2-Dichloropropane	6.02	77	164648	23.027	ug/l	90
27) cis-1,2-Dichloroethene	6.04	96	79114	19.098	ug/l	93
28) Bromochloromethane	6.44	49	42948	18.041	ug/l	100
29) Tetrahydrofuran	6.46	42	37894	89.252	ug/l	97
30) Chloroform	6.66	83	168646	19.943	ug/l	99
31) Cyclohexane	6.94	56	77175	17.232	ug/l	99
32) 1,1,1-Trichloroethane	6.86	97	181287	21.234	ug/l	96
36) 1,1-Dichloropropene	7.14	75	114395	21.339	ug/l	92
37) Ethyl Acetate	6.18	43	50655	24.323	ug/l #	91
38) Carbon Tetrachloride	7.11	117	203506	25.543	ug/l	98

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 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
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Quant Time: May 24 22:08:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	95877	21.684	ug/l	88
40) Benzene	7.46	78	215884	20.531	ug/l	98
41) Methacrylonitrile	6.44	41	51446	19.669	ug/l #	85
42) 1,2-Dichloroethane	7.57	62	127016	22.811	ug/l	88
43) Isopropyl Acetate	9.24	43	54881	19.865	ug/l	89
44) Trichloroethene	8.54	130	91736	21.789	ug/l	86
45) 1,2-Dichloropropane	8.94	63	49314	19.244	ug/l	93
46) Dibromomethane	9.06	93	49011	21.099	ug/l	87
47) Bromodichloromethane	9.37	83	137110	23.203	ug/l	99
48) Methyl methacrylate	9.12	41	41249	22.187	ug/l #	73
49) 1,4-Dioxane	9.08	88	7040	422.155	ug/l #	88
51) 4-Methyl-2-Pentanone	10.30	43	188349	103.197	ug/l	92
52) Toluene	10.51	92	146110	20.297	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	107498	21.851	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	116553	22.705	ug/l #	79
55) 1,1,2-Trichloroethane	11.18	97	50830	20.834	ug/l	95
56) Ethyl methacrylate	11.04	69	52594	20.165	ug/l #	71
57) 1,3-Dichloropropane	11.40	76	76392	20.417	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	149815	111.864	ug/l	97
59) 2-Hexanone	11.53	43	137225	103.451	ug/l	86
60) Dibromochloromethane	11.69	129	110153	23.507	ug/l	100
61) 1,2-Dibromoethane	11.80	107	61142	20.336	ug/l	89
64) Tetrachloroethene	11.25	164	83124	21.682	ug/l	98
65) Chlorobenzene	12.40	112	173415	19.695	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	92619	22.788	ug/l	92
67) Ethyl Benzene	12.52	91	334411	22.050	ug/l	95
68) m/p-Xylenes	12.67	106	231594	42.541	ug/l	81
69) o-Xylene	13.04	106	108390	21.101	ug/l	78
70) Styrene	13.07	104	176455	20.193	ug/l	93
71) Bromoform	13.23	173	65014	24.086	ug/l	96
73) Isopropylbenzene	13.40	105	338472	19.005	ug/l	95
74) N-amyl acetate	13.26	43	76980	17.501	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.69	83	56664	17.636	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	64818	19.477	ug/l	97
77) Bromobenzene	13.66	156	95846	18.972	ug/l	85
78) n-propylbenzene	13.77	91	415313	20.132	ug/l	97
79) 2-Chlorotoluene	13.84	91	226511	18.093	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	305064	19.783	ug/l	90
81) trans-1,4-Dichloro-2-buten	13.47	75	17132	18.253	ug/l #	49
82) 4-Chlorotoluene	13.95	91	285916	19.831	ug/l	88
83) tert-Butylbenzene	14.19	119	332776	19.455	ug/l	87
84) 1,2,4-Trimethylbenzene	14.24	105	321716	20.361	ug/l	87
85) sec-Butylbenzene	14.36	105	331518	18.588	ug/l	96
86) p-Isopropyltoluene	14.49	119	336910	20.845	ug/l	91
87) 1,3-Dichlorobenzene	14.45	146	168829	18.923	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	169794	19.722	ug/l	96
89) n-Butylbenzene	14.80	91	295899	18.970	ug/l	93
90) Hexachloroethane	15.00	117	87141	19.508	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	151591	19.982	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	12998	21.313	ug/l	56

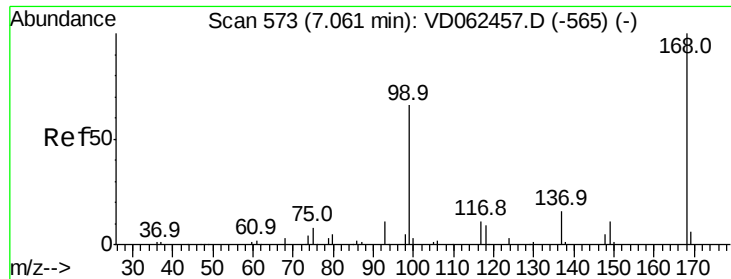
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052419\
Data File : VD062529.D
Acq On : 24 May 2019 14:00
Operator : VA/AP
Sample : VD0524SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

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MSVOA_D
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Quant Time: May 24 22:08:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 03:32:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	108620	18.184	ug/l	93
94) Hexachlorobutadiene	16.04	225	84659	19.194	ug/l	98
95) Naphthalene	16.12	128	143565	17.589	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	83038	16.957	ug/l	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

Instrument :

MSVOA_D

ClientSampleId :

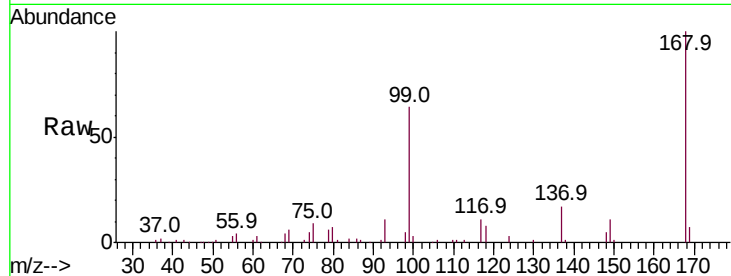
VD0524SBSD01

Tot Ion:168 Resp: 443114

Ion Ratio Lower Upper

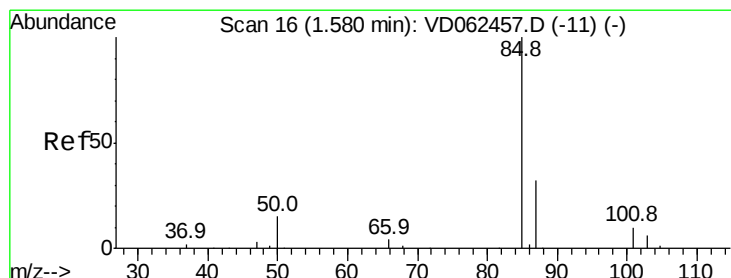
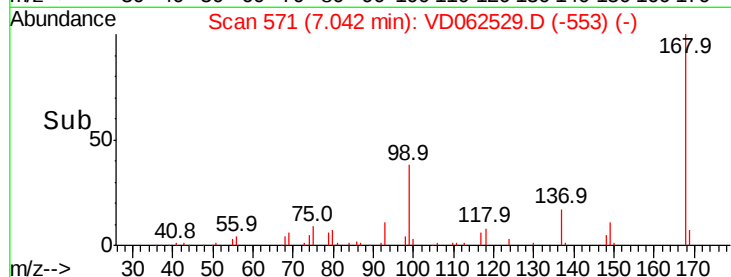
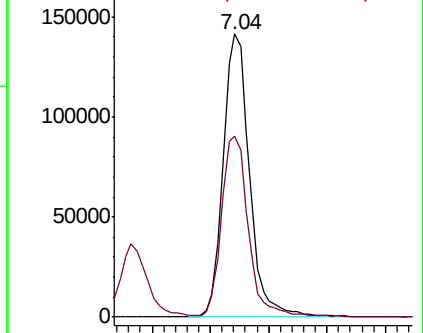
168 100

99 64.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.194 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD062529.D

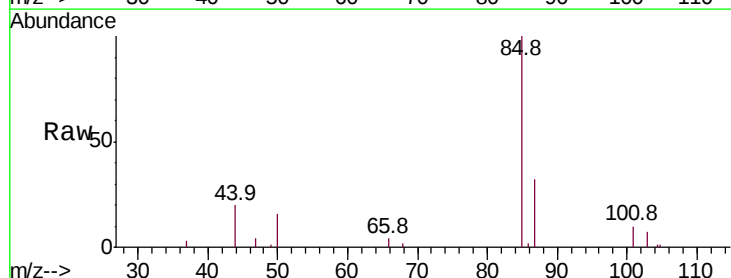
Acq: 24 May 2019 14:00

Tgt Ion: 85 Resp: 100115

Ion Ratio Lower Upper

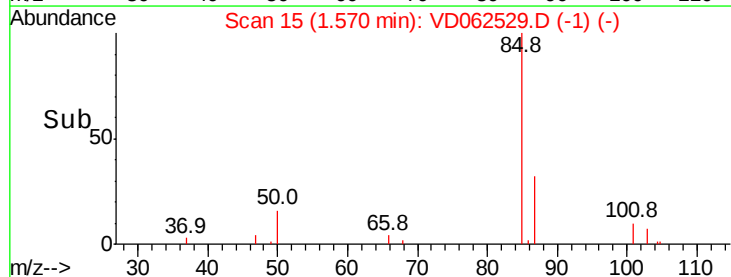
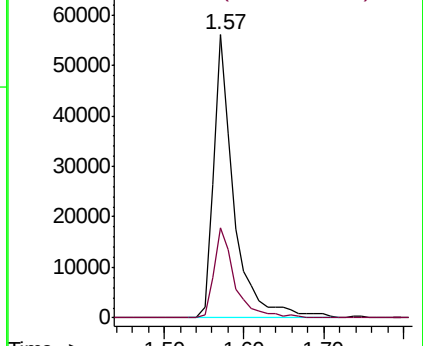
85 100

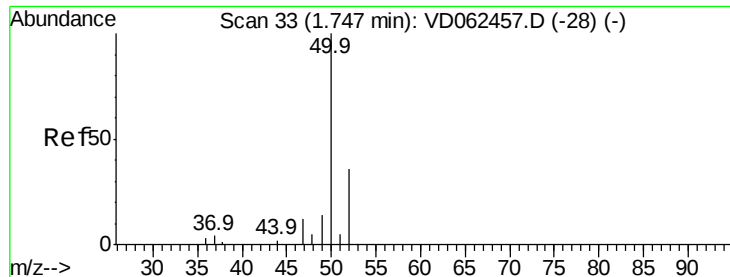
87 31.8 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.889 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

Instrument :

MSVOA_D

ClientSampleId :

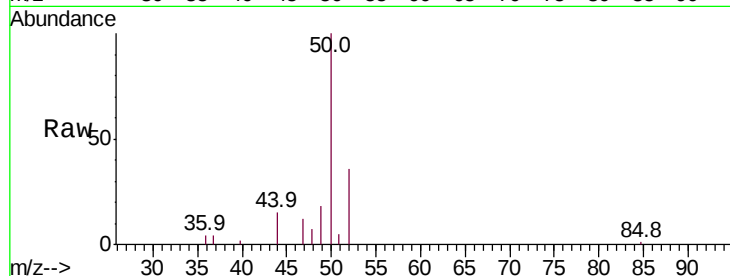
VD0524SBSD01

Tot Ion: 50 Resp: 64122

Ion Ratio Lower Upper

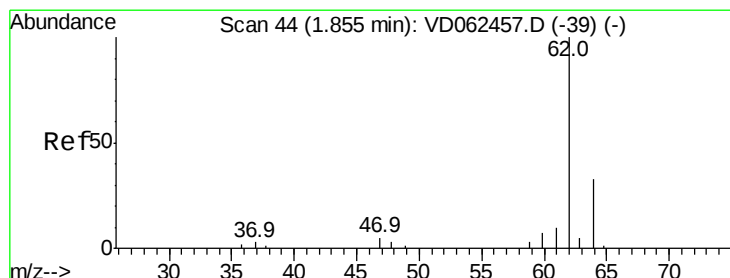
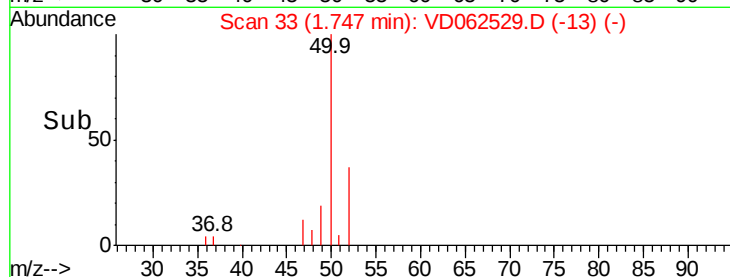
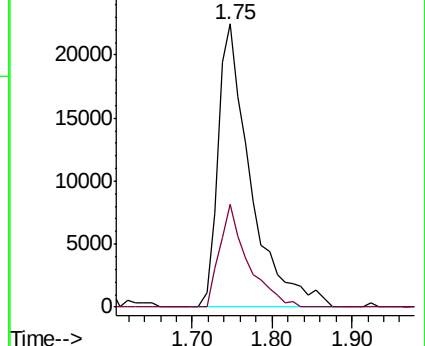
50 100

52 36.3 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.079 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD062529.D

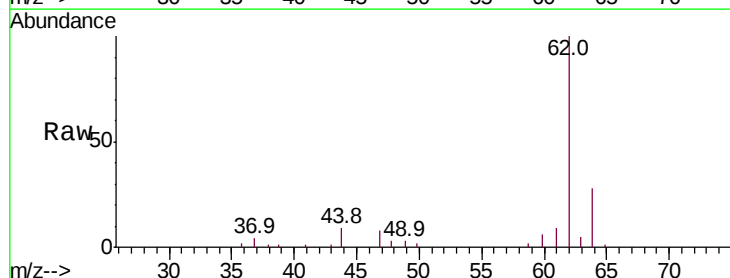
Acq: 24 May 2019 14:00

Tgt Ion: 62 Resp: 74550

Ion Ratio Lower Upper

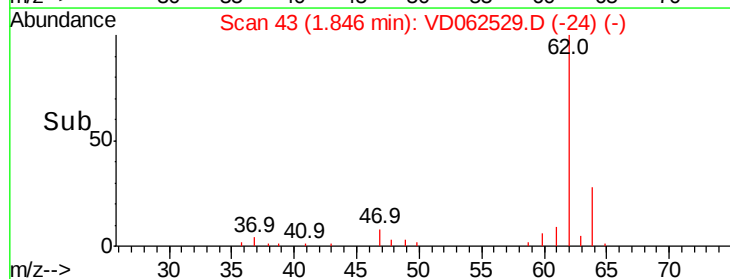
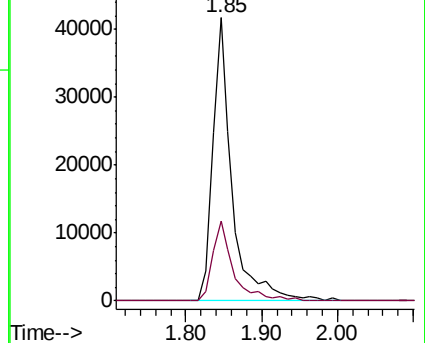
62 100

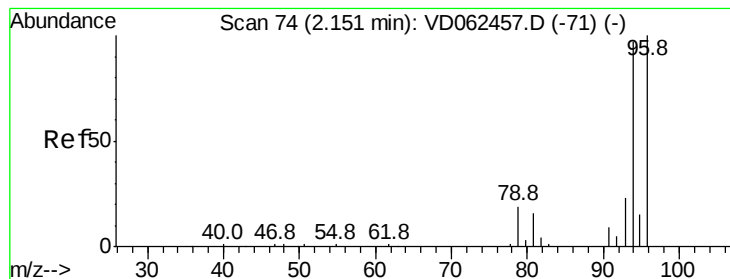
64 28.1 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 25.883 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBSD01

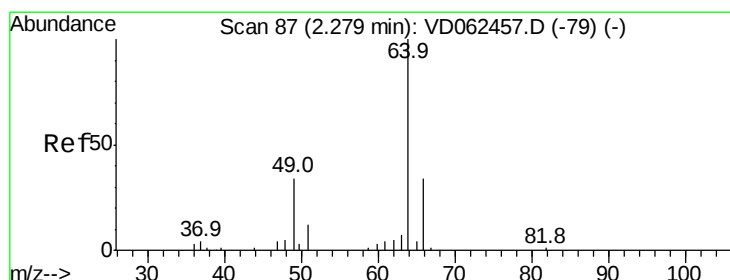
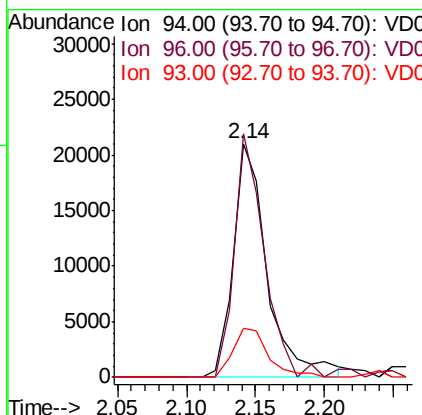
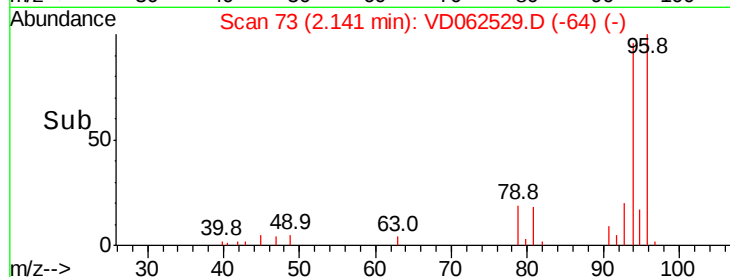
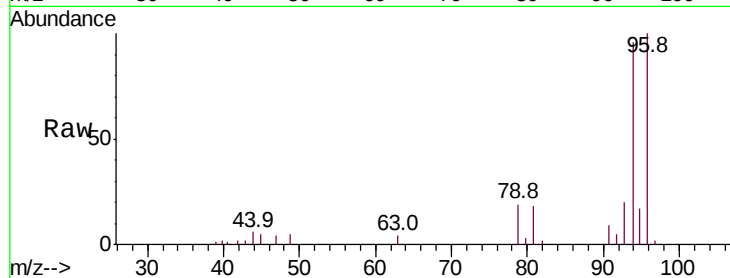
Tot Ion: 94 Resp: 36077

Ion Ratio Lower Upper

94 100

96 104.2 76.6 115.0

93 21.2 18.5 27.7



#6

Chloroethane

Concen: 26.714 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.03 min

Lab File: VD062529.D

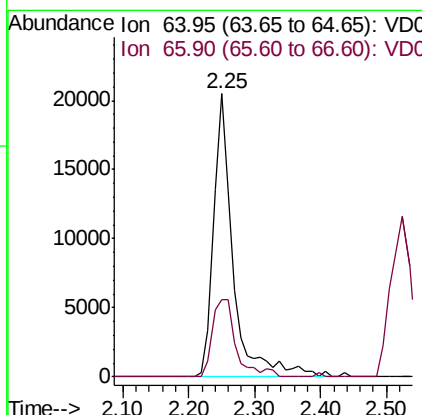
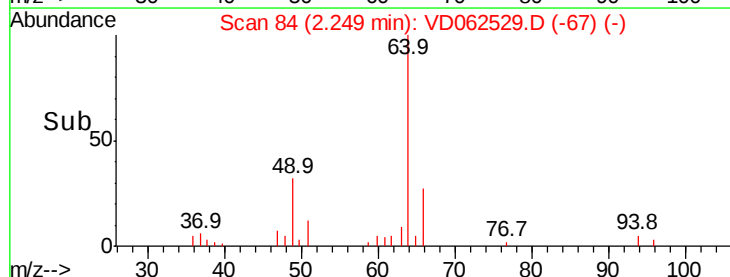
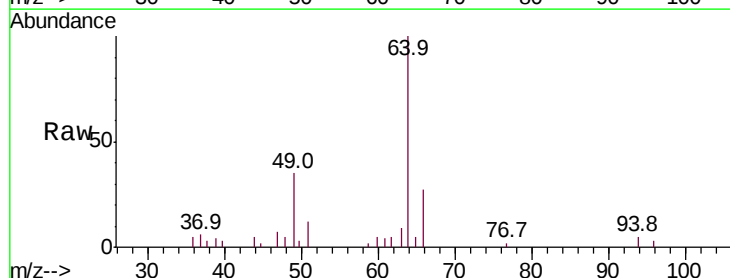
Acq: 24 May 2019 14:00

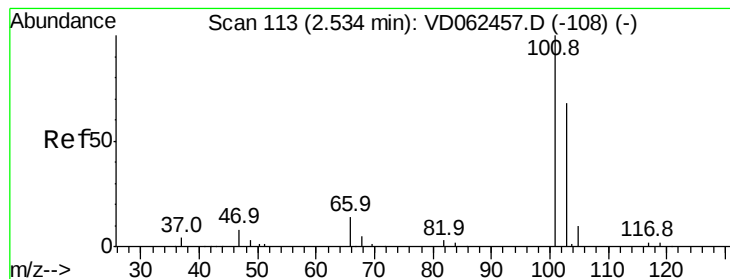
Tgt Ion: 64 Resp: 41743

Ion Ratio Lower Upper

64 100

66 27.4 25.6 38.4



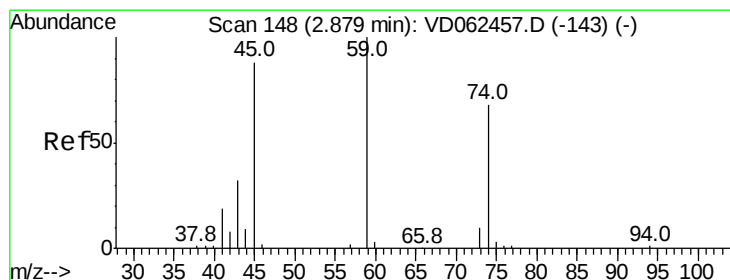
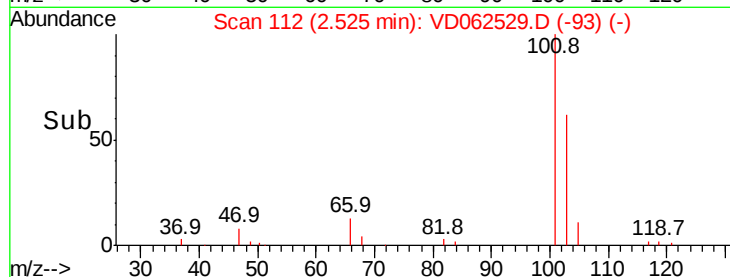
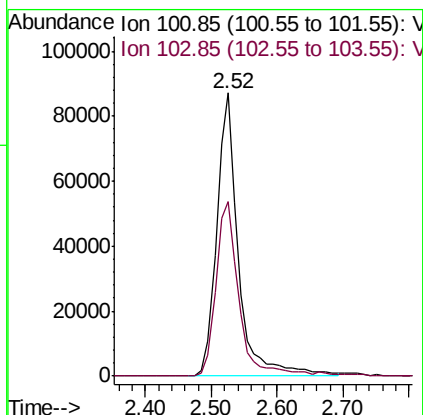
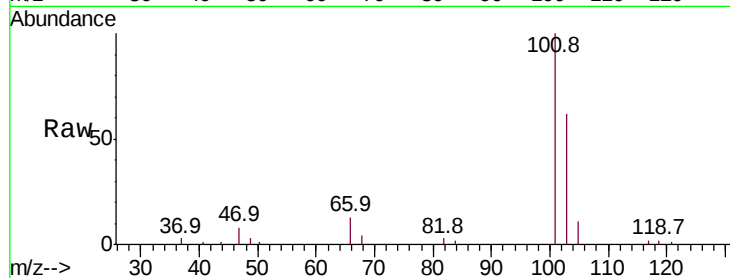


#7

Trichlorofluoromethane
 Concen: 26.572 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD062529.D
 Acq: 24 May 2019 14:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBSD01

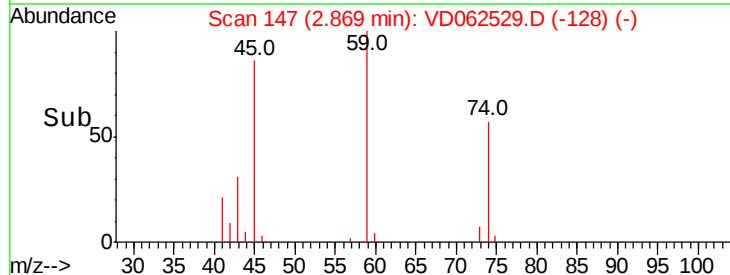
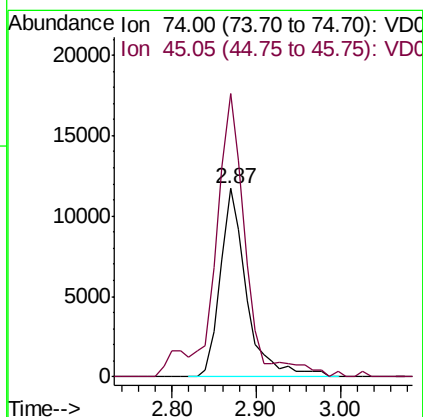
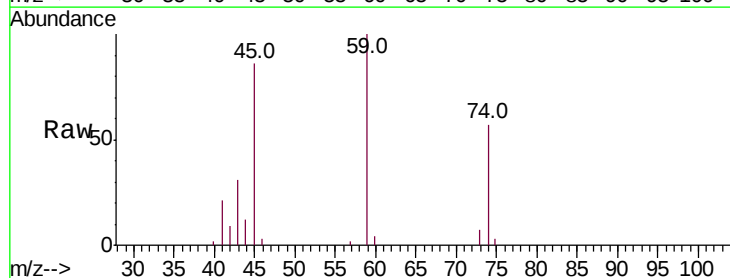
Tot Ion:101 Resp: 198317
 Ion Ratio Lower Upper
 101 100
 103 61.7 53.6 80.4

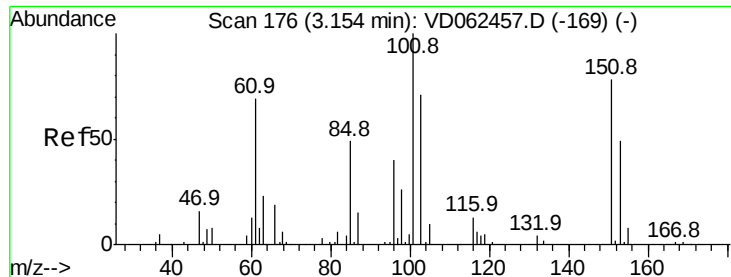


#8

Diethyl Ether
 Concen: 25.256 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD062529.D
 Acq: 24 May 2019 14:00

Tgt Ion: 74 Resp: 25428
 Ion Ratio Lower Upper
 74 100
 45 150.2 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.902 ug/l

RT: 3.13 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBSD01

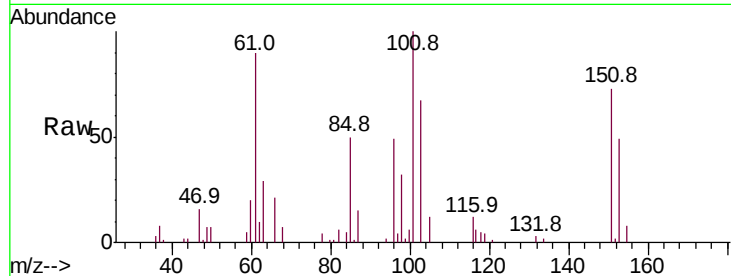
Tot Ion:101 Resp: 101691

Ion Ratio Lower Upper

101 100

85 49.9 32.4 48.6#

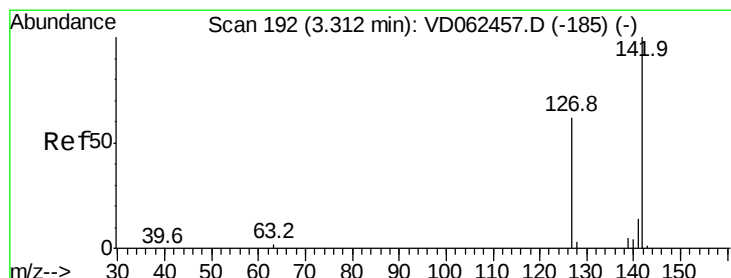
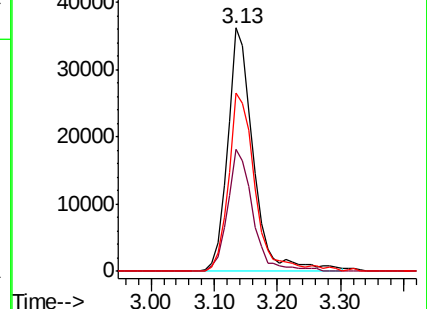
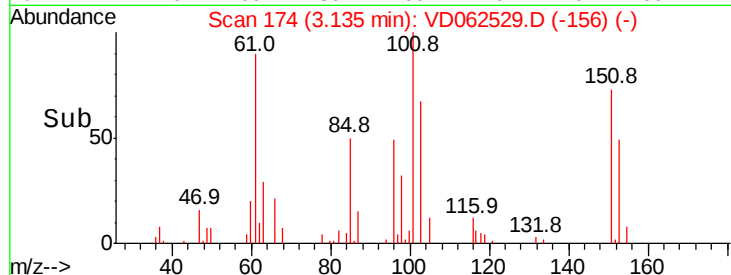
151 73.1 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 22.685 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.02 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

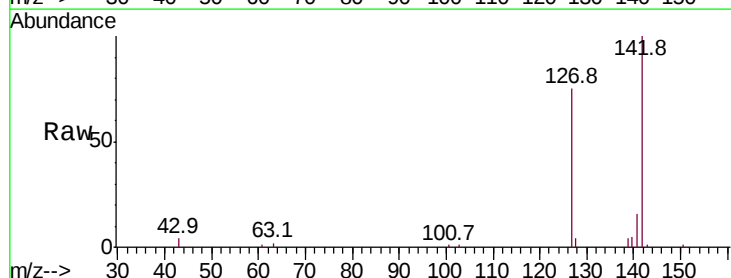
Tgt Ion:142 Resp: 140451

Ion Ratio Lower Upper

142 100

127 74.9 38.8 58.2#

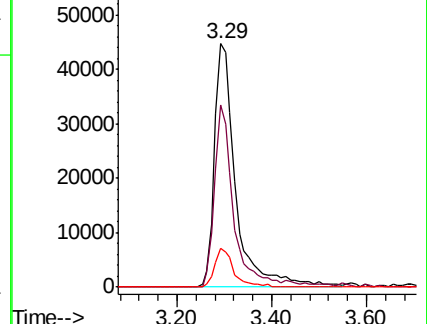
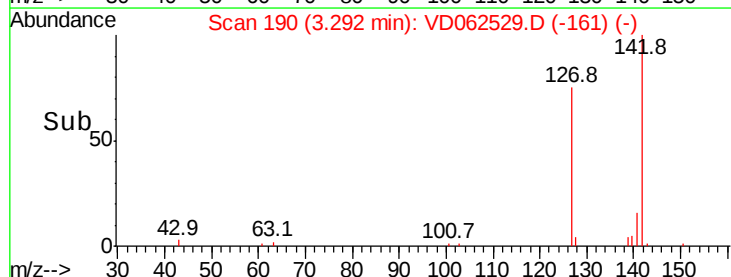
141 15.8 11.4 17.0

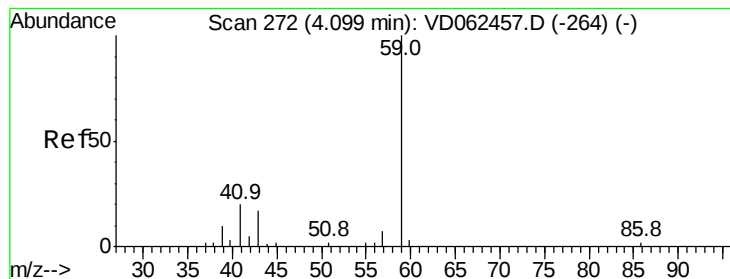


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



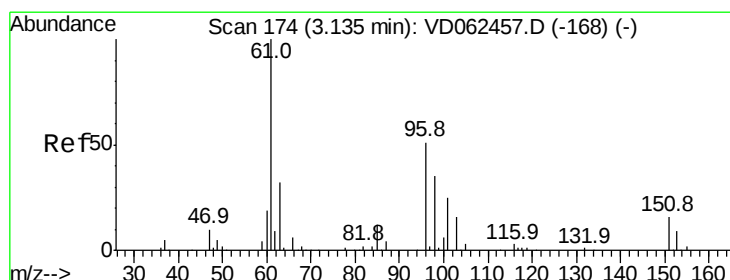
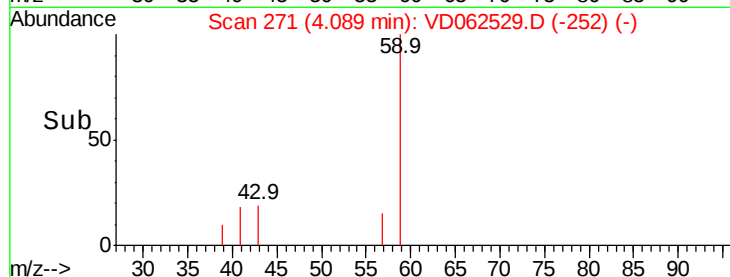
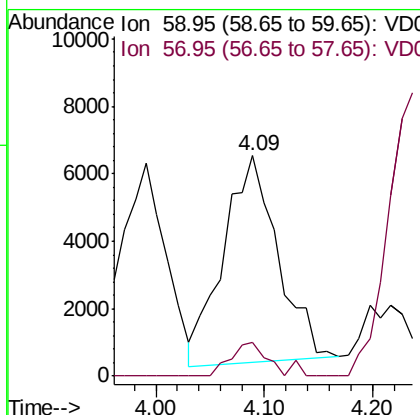
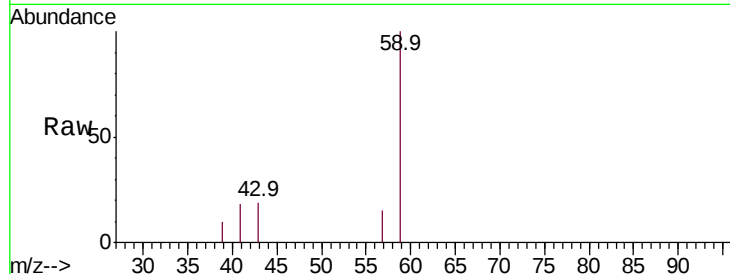


#11

Tert butyl alcohol
 Concen: 97.693 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. -0.01 min
 Lab File: VD062529.D
 Acq: 24 May 2019 14:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBSD01

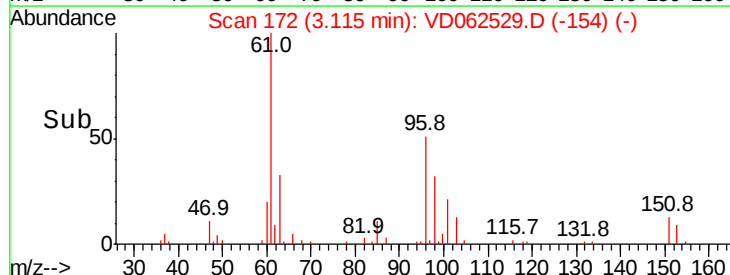
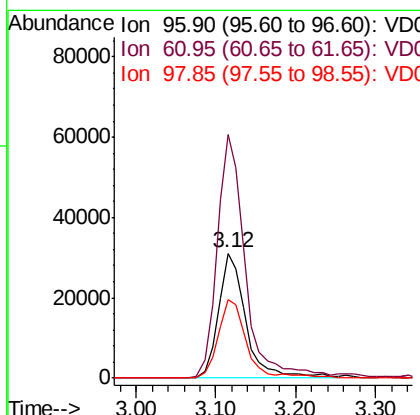
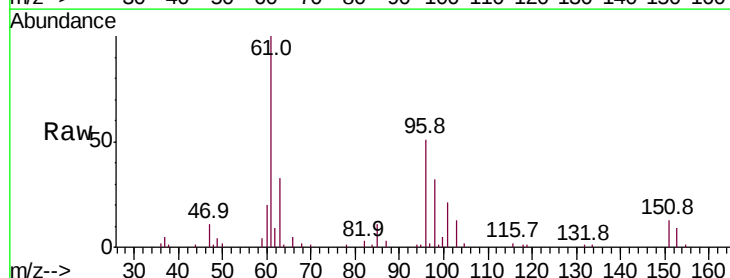
Tot Ion: 59 Resp: 21389
 Ion Ratio Lower Upper
 59 100
 57 15.3 6.9 10.3#

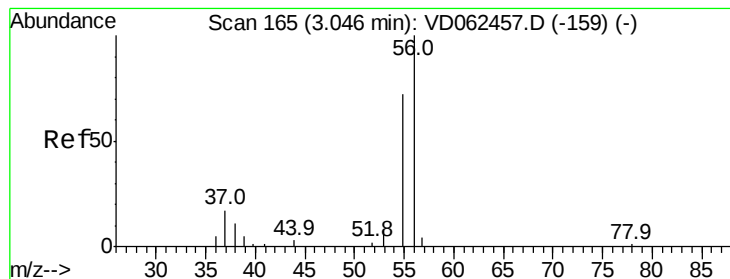


#12

1,1-Dichloroethene
 Concen: 22.882 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.02 min
 Lab File: VD062529.D
 Acq: 24 May 2019 14:00

Tgt Ion: 96 Resp: 75090
 Ion Ratio Lower Upper
 96 100
 61 195.1 129.8 194.8#
 98 63.4 51.2 76.8





#13

Acrolein

Concen: 103.708 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

Instrument :

MSVOA_D

ClientSampleId :

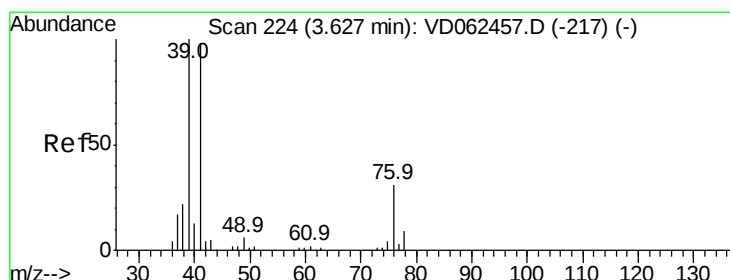
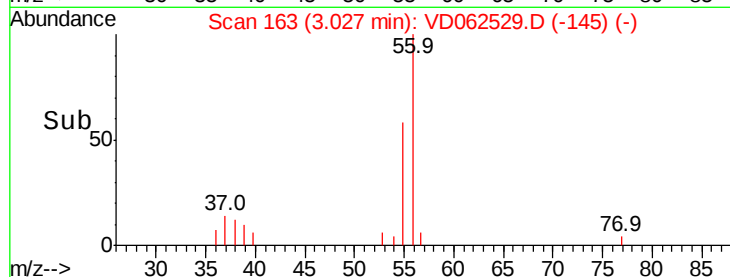
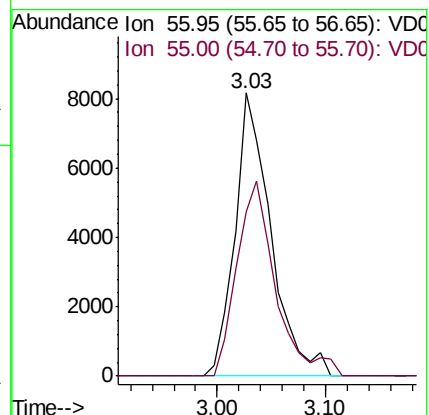
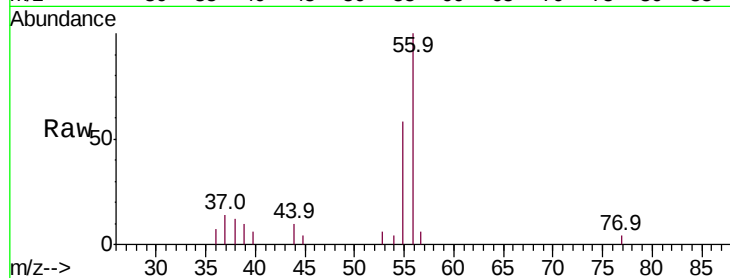
VD0524SBSD01

Tot Ion: 56 Resp: 18856

Ion Ratio Lower Upper

56 100

55 58.3 51.4 77.2



#14

Allyl chloride

Concen: 19.511 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.02 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

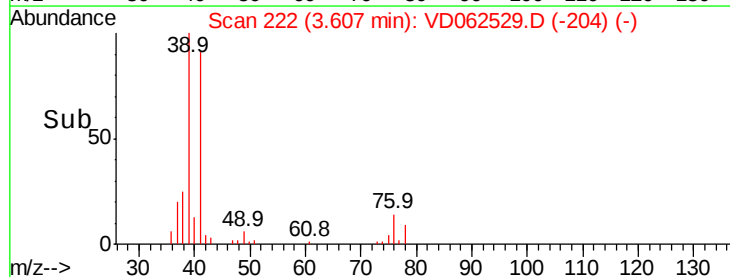
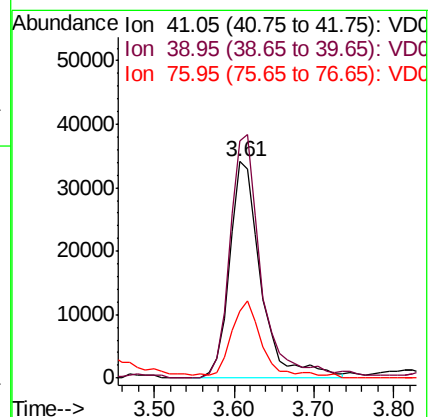
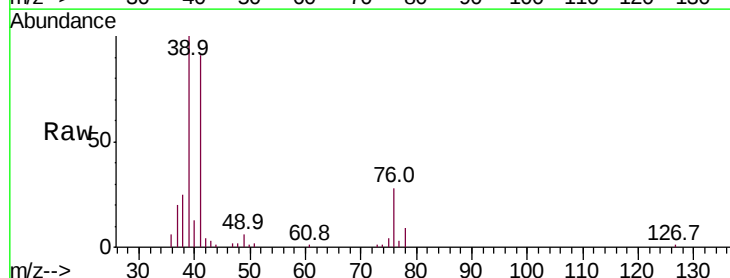
Tgt Ion: 41 Resp: 94405

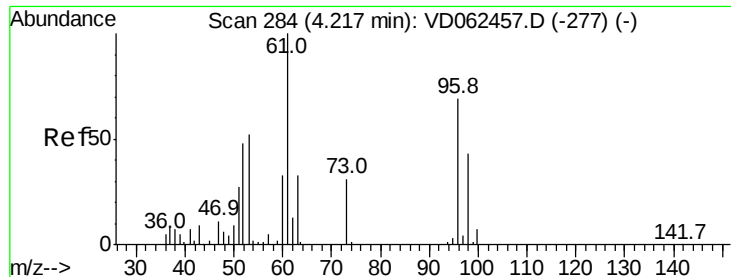
Ion Ratio Lower Upper

41 100

39 109.6 60.5 90.7#

76 30.9 31.8 47.8#





#15

Acrylonitrile

Concen: 90.935 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.02 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBS01

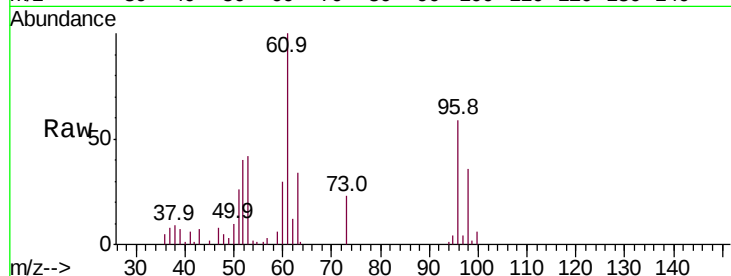
Tot Ion: 53 Resp: 45621

Ion Ratio Lower Upper

53 100

52 96.9 65.0 97.4

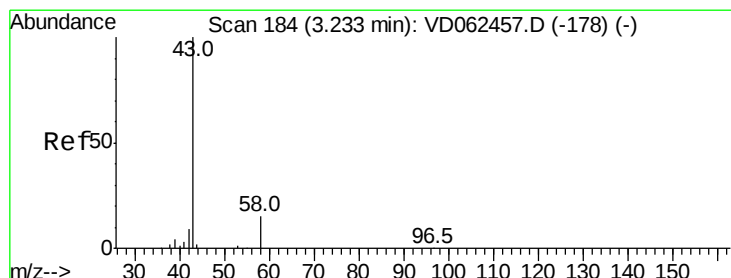
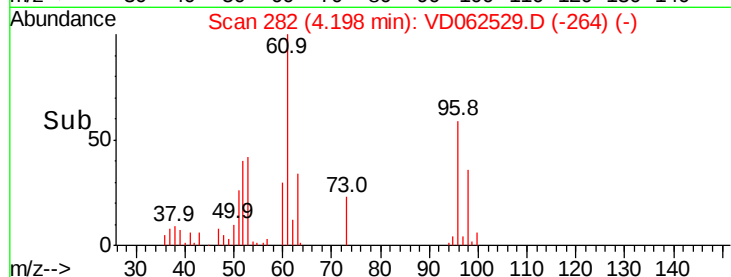
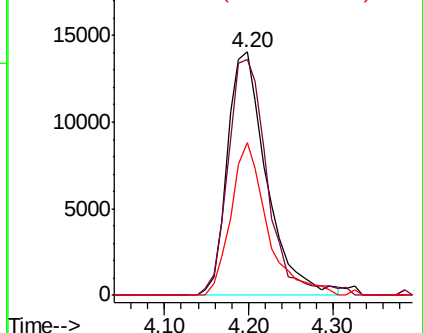
51 62.9 32.6 48.8#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 102.982 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD062529.D

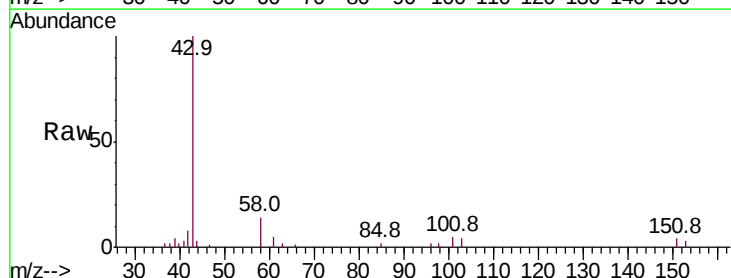
Acq: 24 May 2019 14:00

Tgt Ion: 43 Resp: 87533

Ion Ratio Lower Upper

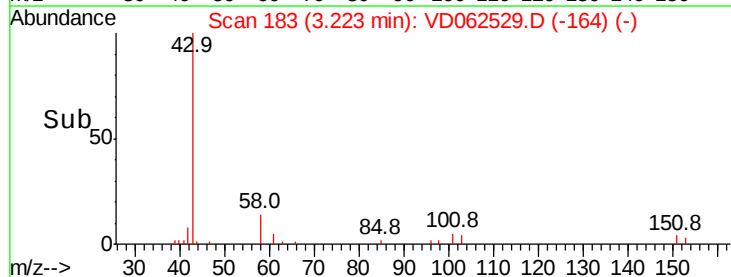
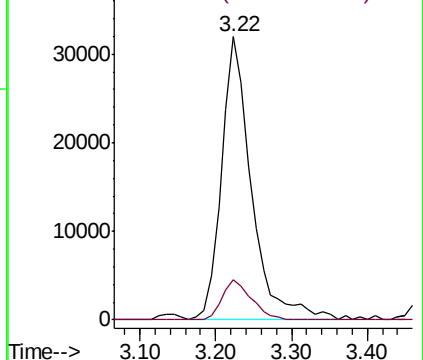
43 100

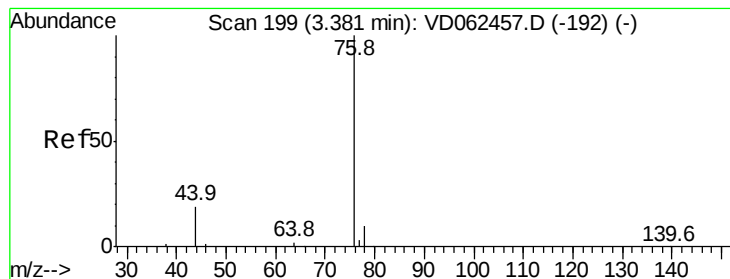
58 14.4 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 20.012 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.02 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

Instrument :

MSVOA_D

ClientSampleId :

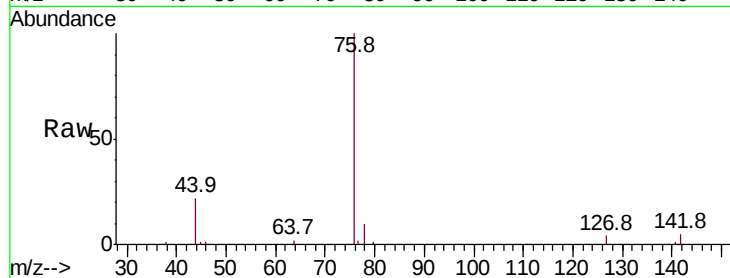
VD0524SBSD01

Tot Ion: 76 Resp: 198890

Ion Ratio Lower Upper

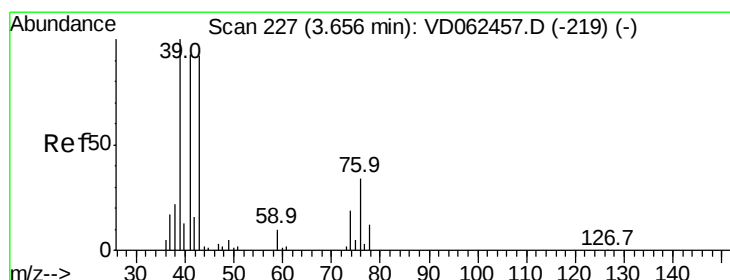
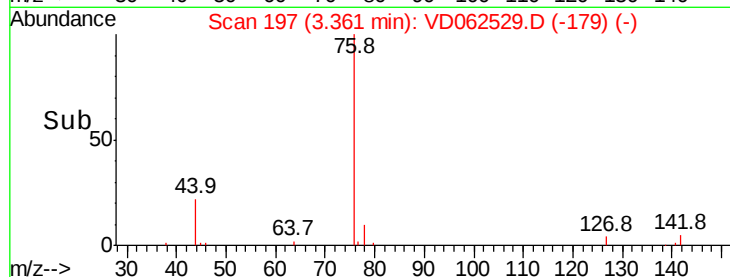
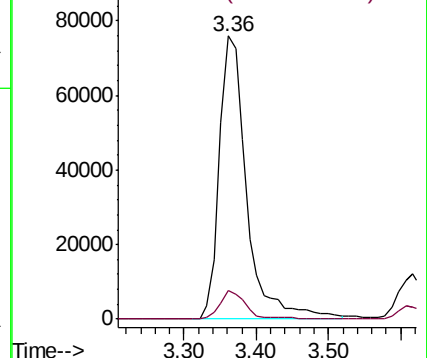
76 100

78 10.2 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 19.655 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.02 min

Lab File: VD062529.D

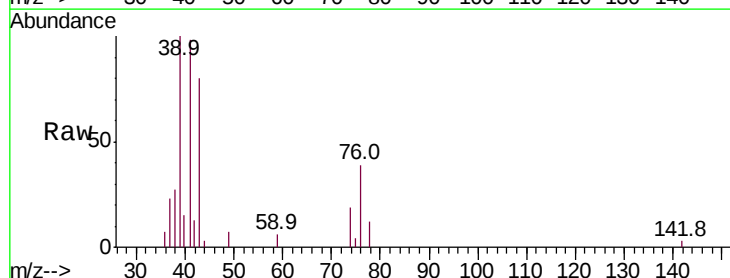
Acq: 24 May 2019 14:00

Tgt Ion: 43 Resp: 28828

Ion Ratio Lower Upper

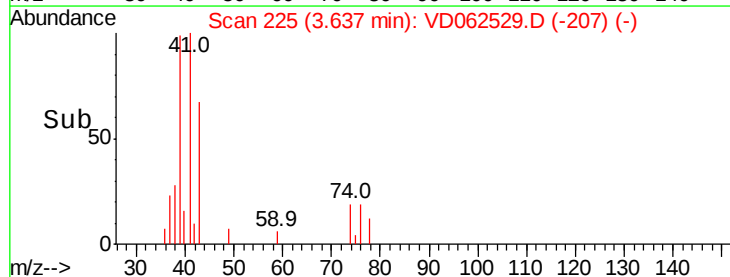
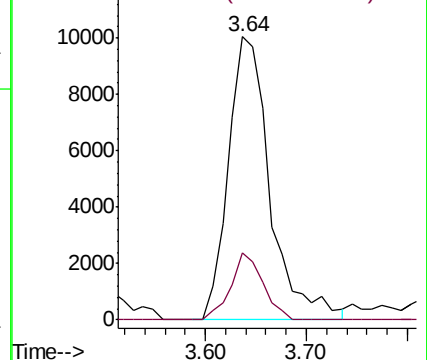
43 100

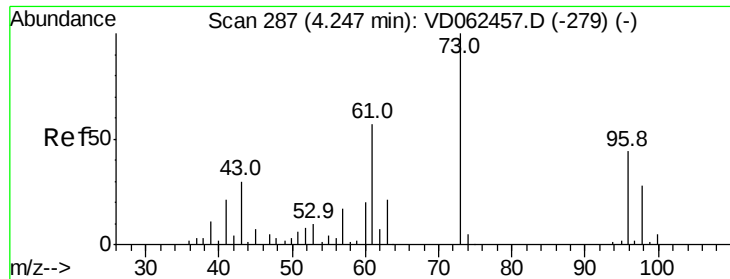
74 23.6 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

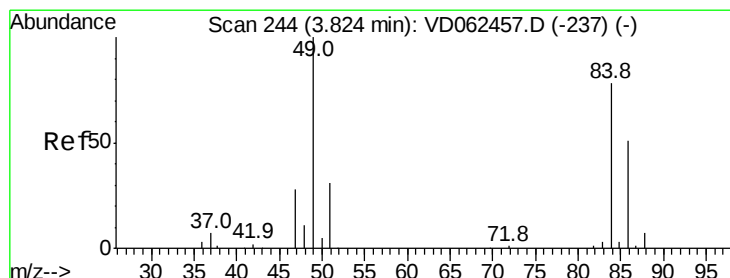
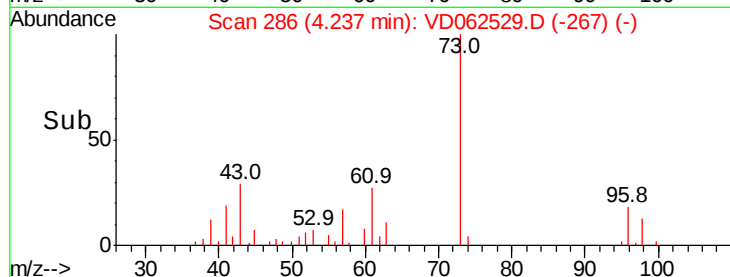
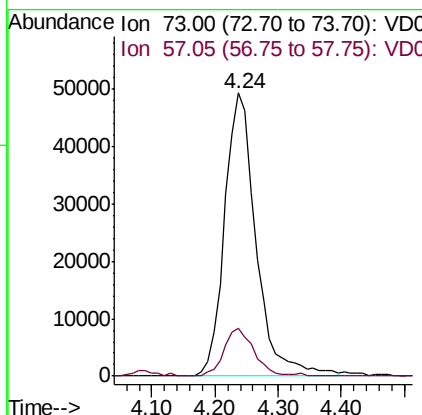
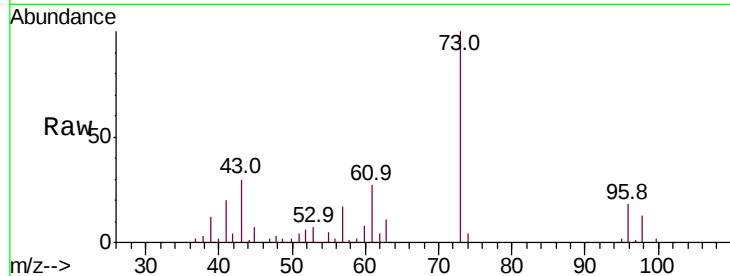




#19
Methyl tert-butyl Ether
Concen: 22.458 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

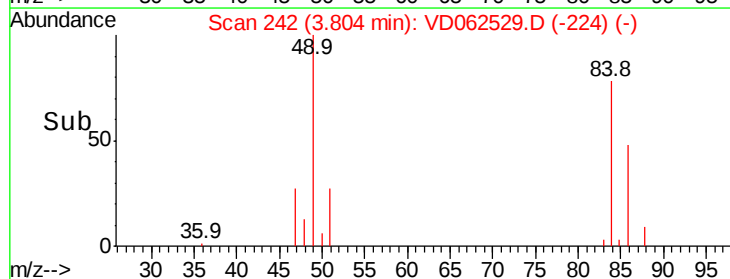
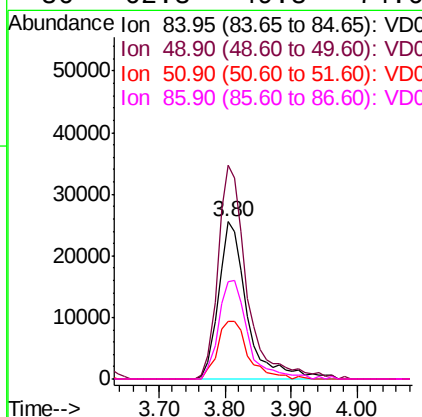
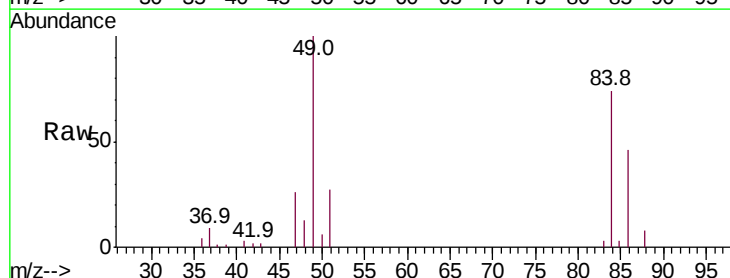
Instrument :
MSVOA_D
ClientSampleId :
VD0524SBSD01

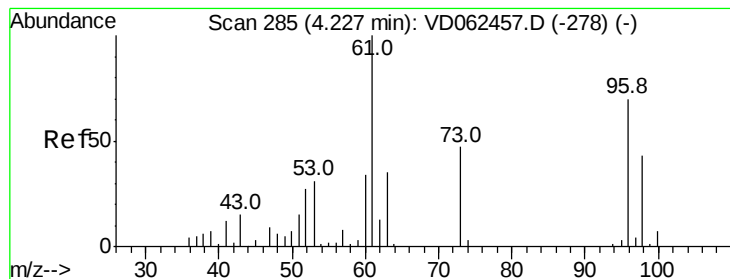
Tot Ion: 73 Resp: 170216
Ion Ratio Lower Upper
73 100
57 18.2 16.3 24.5



#20
Methylene Chloride
Concen: 17.118 ug/l
RT: 3.80 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

Tgt Ion: 84 Resp: 76996
Ion Ratio Lower Upper
84 100
49 136.1 94.0 141.0
51 36.8 29.0 43.4
86 62.3 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 19.305 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBSD01

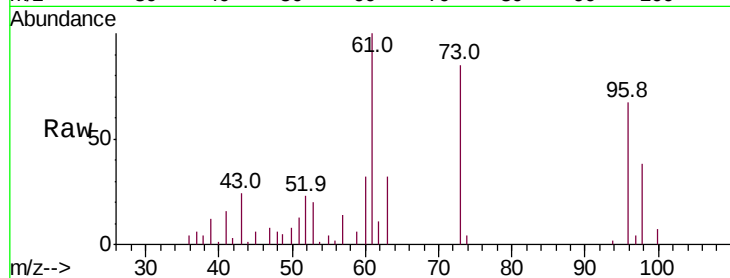
Tot Ion: 96 Resp: 74164

Ion Ratio Lower Upper

96 100

61 149.0 104.4 156.6

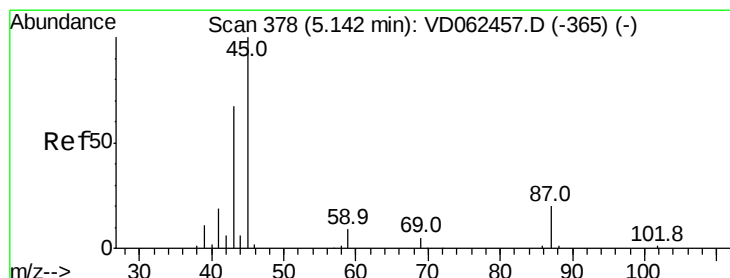
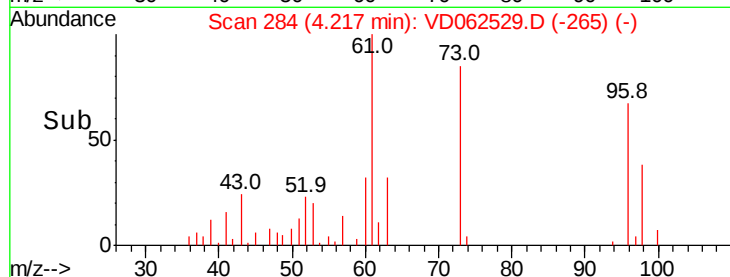
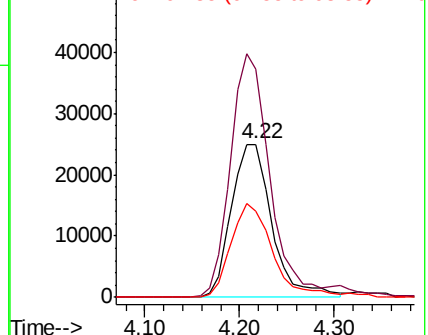
98 56.1 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 19.683 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.03 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

Tgt Ion: 45 Resp: 202712

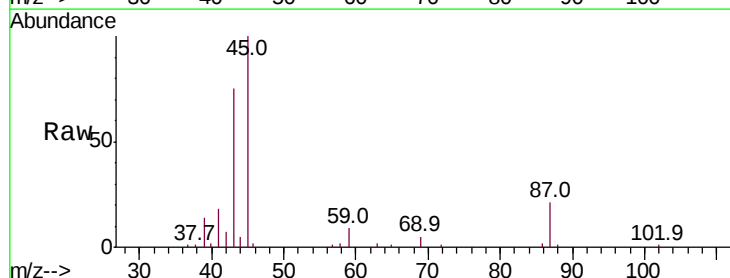
Ion Ratio Lower Upper

45 100

43 73.2 46.2 69.2#

87 20.2 15.9 23.9

59 9.1 7.9 11.9

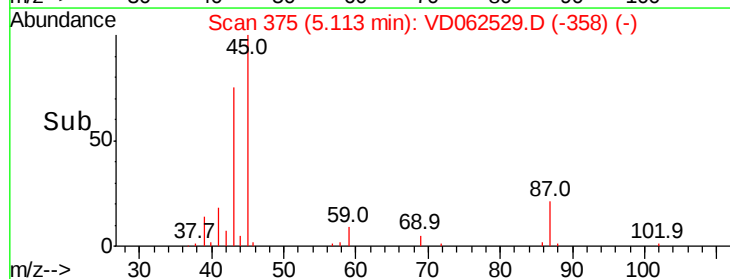
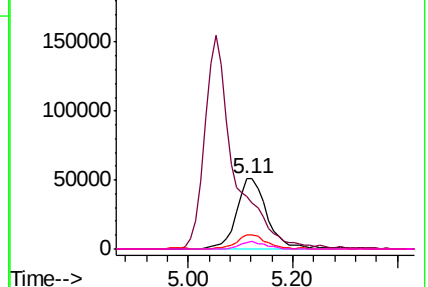


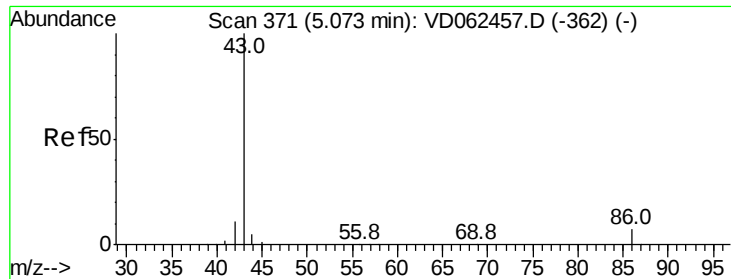
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

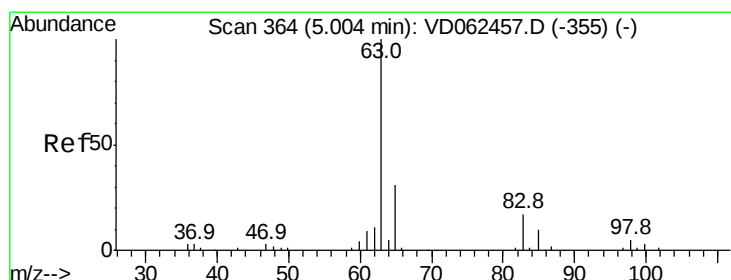
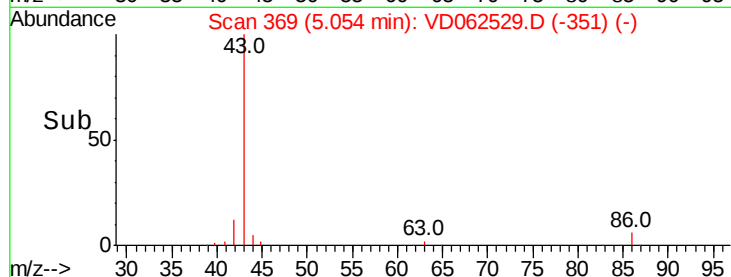
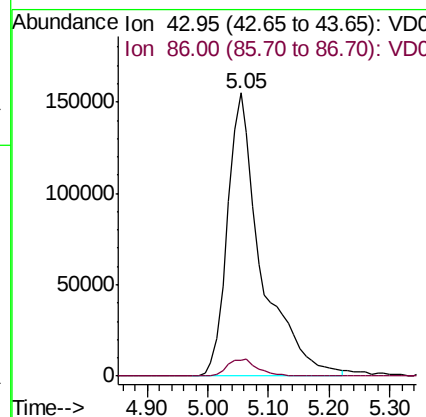
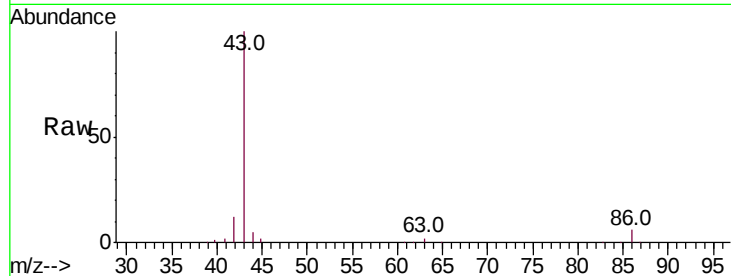




#23
 Vinyl Acetate
 Concen: 96.597 ug/l
 RT: 5.05 min Scan# 369
 Delta R.T. -0.02 min
 Lab File: VD062529.D
 Acq: 24 May 2019 14:00

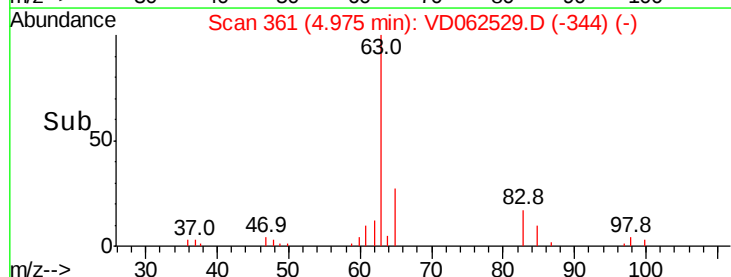
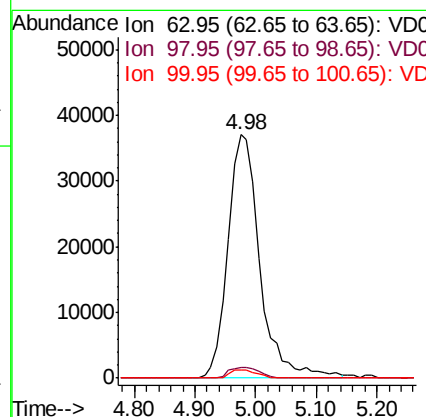
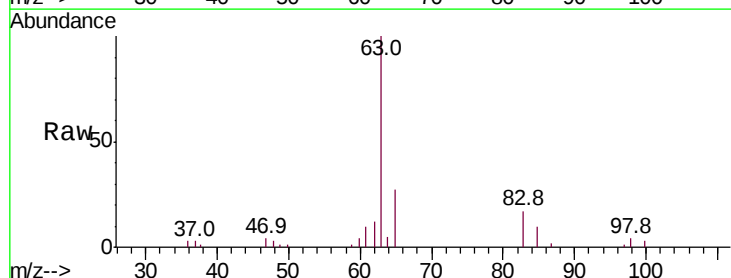
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBSD01

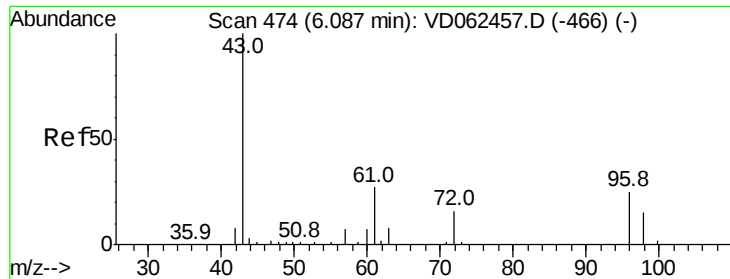
Tot Ion: 43 Resp: 601146
 Ion Ratio Lower Upper
 43 100
 86 5.8 6.4 9.6#



#24
 1,1-Dichloroethane
 Concen: 20.425 ug/l
 RT: 4.98 min Scan# 361
 Delta R.T. -0.03 min
 Lab File: VD062529.D
 Acq: 24 May 2019 14:00

Tgt Ion: 63 Resp: 135478
 Ion Ratio Lower Upper
 63 100
 98 4.4 2.8 8.4
 100 3.1 1.8 5.5





#25

2-Butanone

Concen: 93.859 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

Instrument :

MSVOA_D

ClientSampleId :

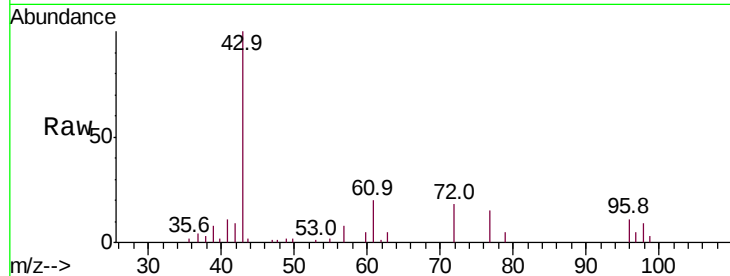
VD0524SBSD01

Tot Ion: 43 Resp: 83441

Ion Ratio Lower Upper

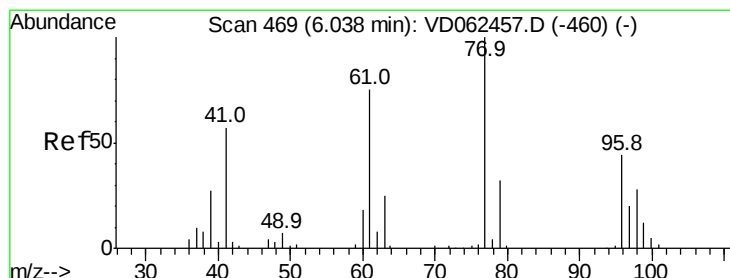
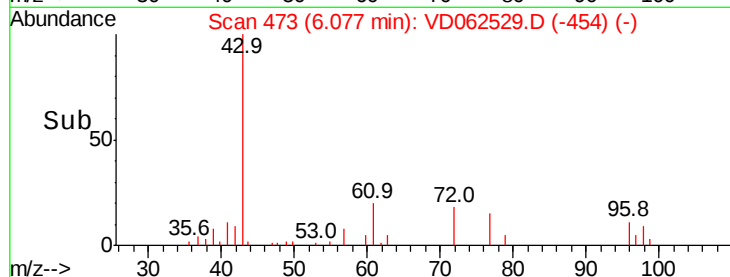
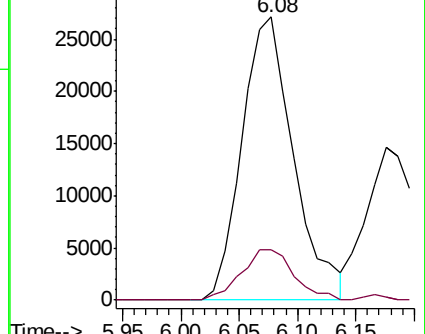
43 100

72 17.8 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 23.027 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD062529.D

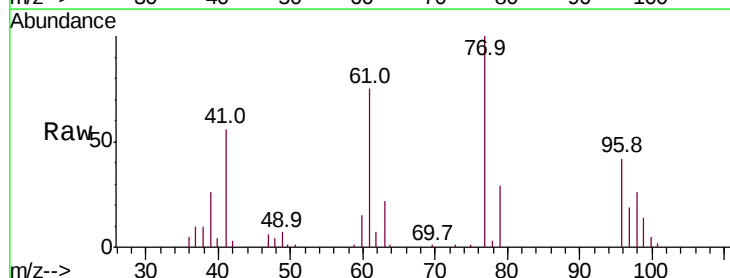
Acq: 24 May 2019 14:00

Tgt Ion: 77 Resp: 164648

Ion Ratio Lower Upper

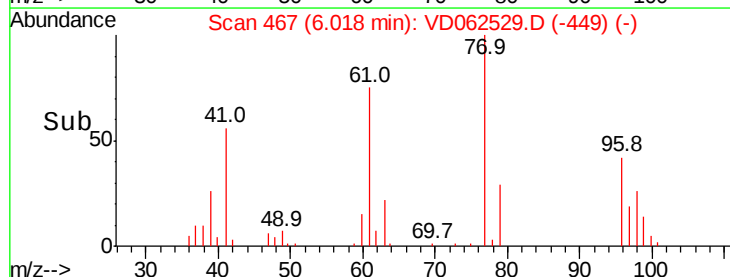
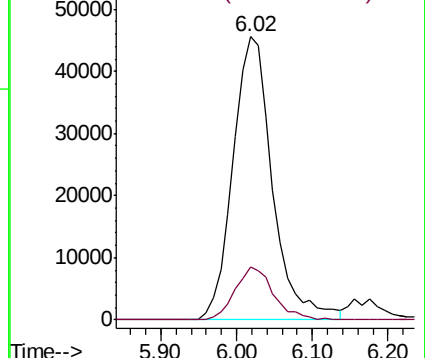
77 100

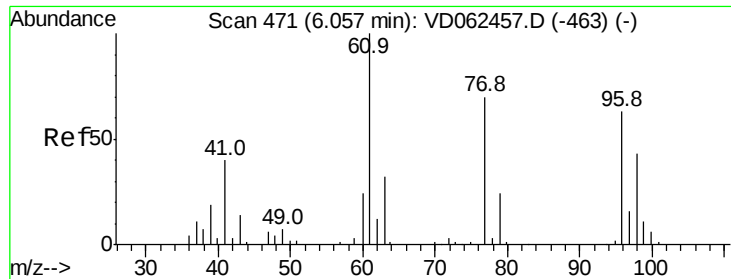
97 18.8 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



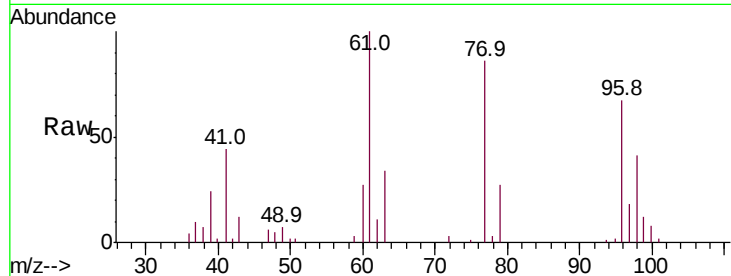


#27

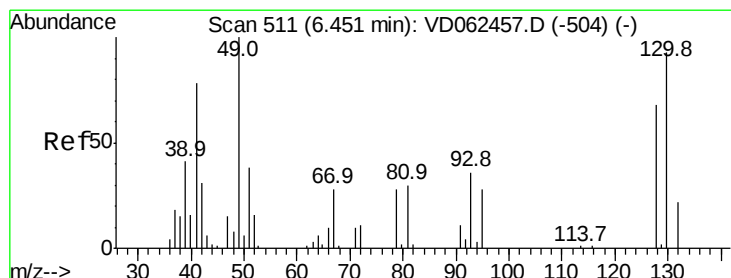
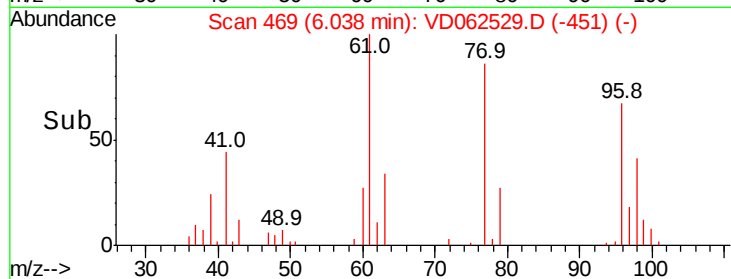
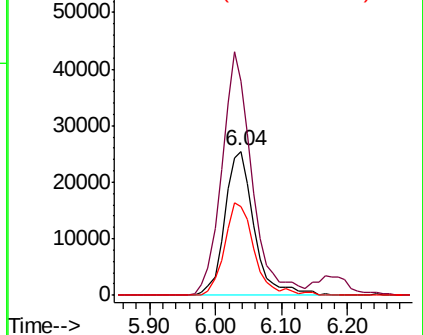
cis-1,2-Dichloroethene
 Concen: 19.098 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.02 min
 Lab File: VD062529.D
 Acq: 24 May 2019 14:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBSD01

Tot Ion: 96 Resp: 79114
 Ion Ratio Lower Upper
 96 100
 61 148.6 0.0 279.8
 98 61.6 0.0 136.0



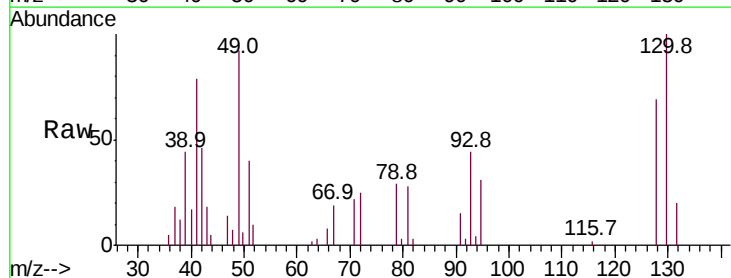
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



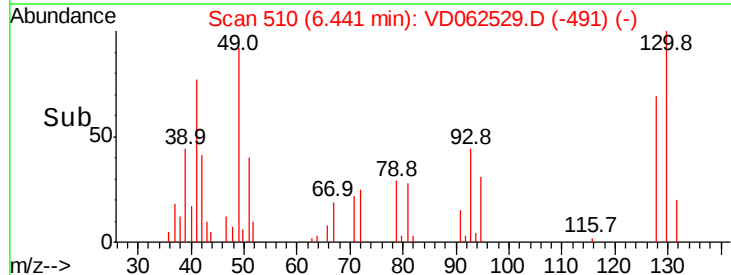
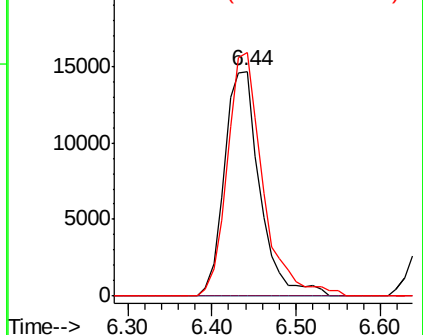
#28

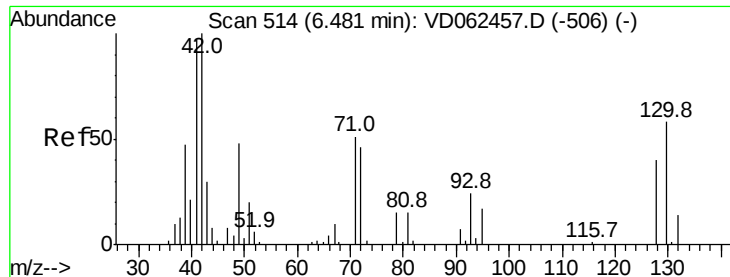
Bromochloromethane
 Concen: 18.041 ug/l
 RT: 6.44 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: VD062529.D
 Acq: 24 May 2019 14:00

Tgt Ion: 49 Resp: 42948
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 6.6
 130 108.4 86.7 130.1



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

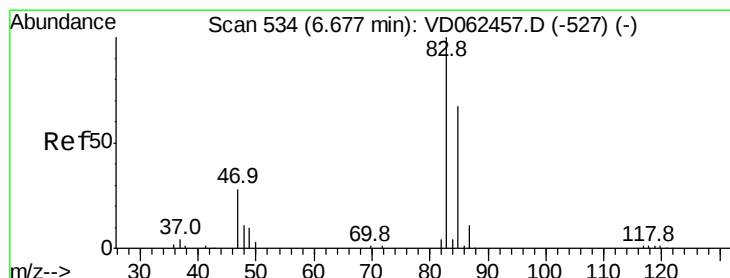
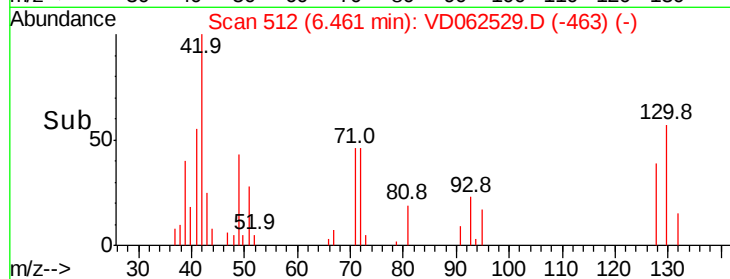
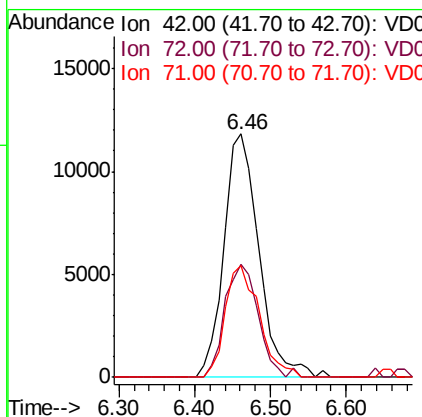
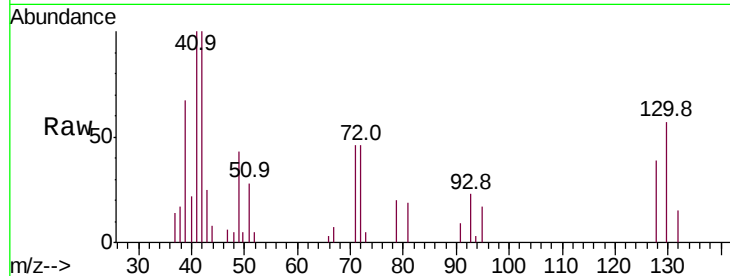




#29
Tetrahydrofuran
Concen: 89.252 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.02 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

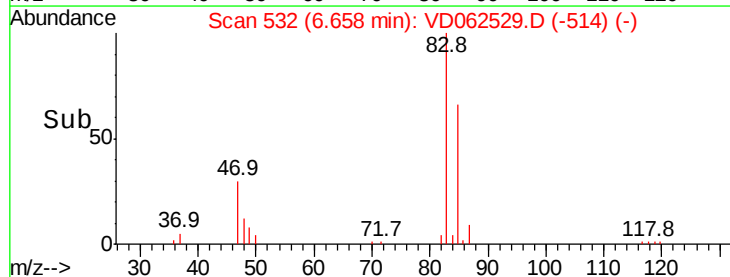
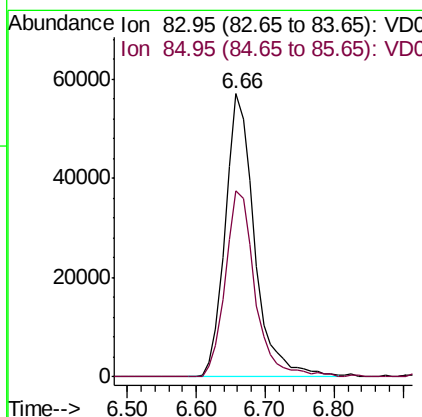
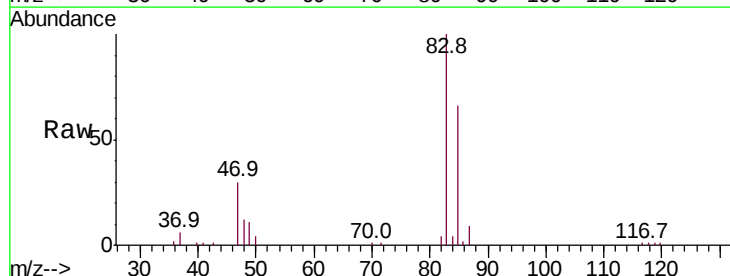
Instrument :
MSVOA_D
ClientSampleId :
VD0524SBSD01

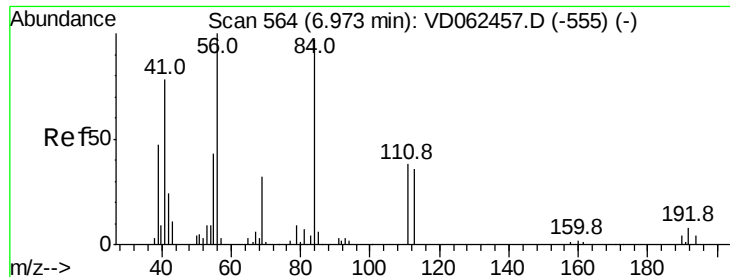
Tot Ion: 42 Resp: 37894
Ion Ratio Lower Upper
42 100
72 44.2 37.8 56.6
71 44.4 36.7 55.1



#30
Chloroform
Concen: 19.943 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.02 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

Tgt Ion: 83 Resp: 168646
Ion Ratio Lower Upper
83 100
85 65.7 51.7 77.5

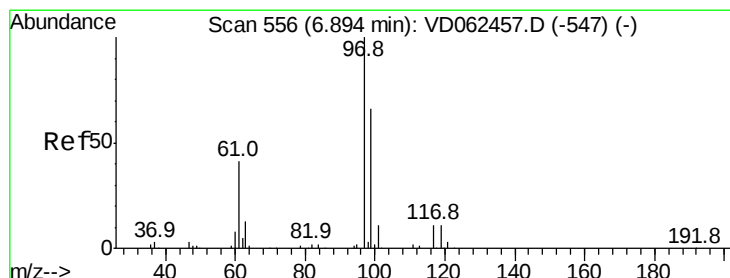
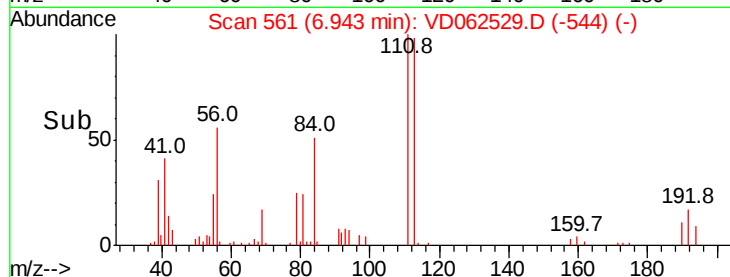
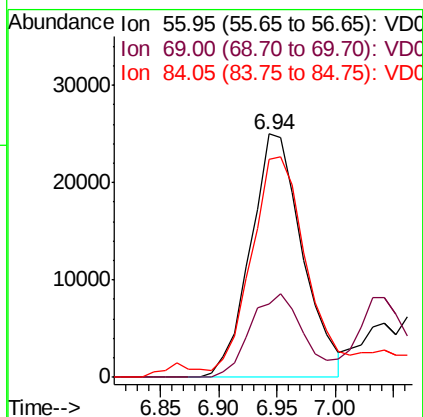
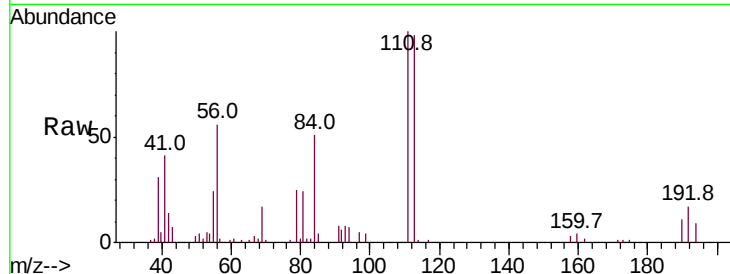




#31
Cvclohexane
Concen: 17.232 ug/l
RT: 6.94 min Scan# 561
Delta R.T. -0.03 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

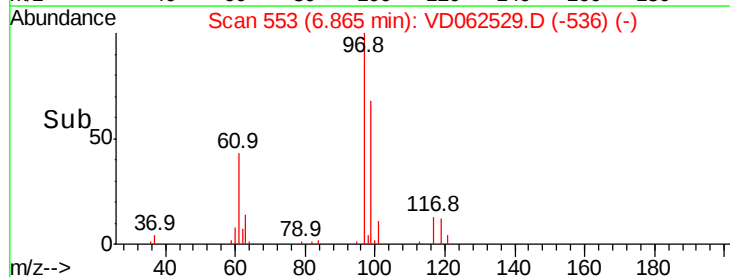
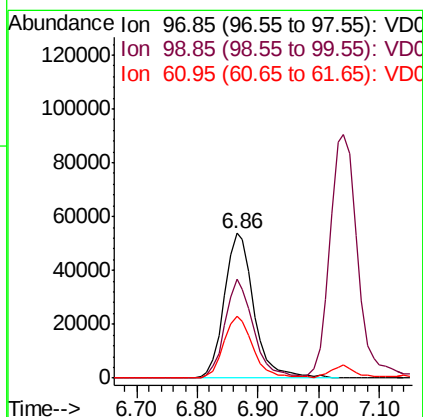
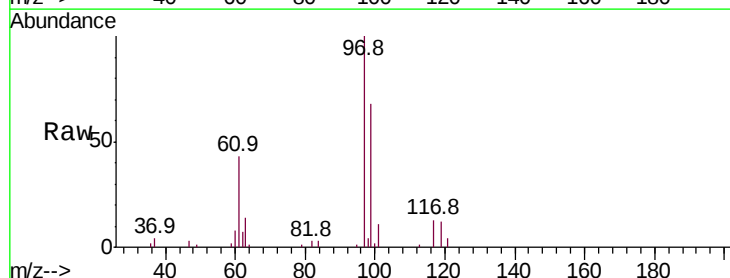
Instrument :
MSVOA_D
ClientSampleId :
VD0524SBSD01

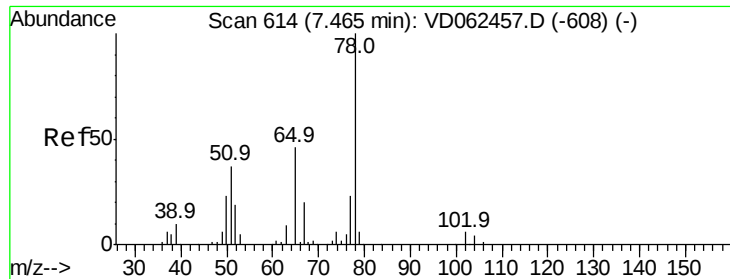
Tot Ion: 56 Resp: 77175
Ion Ratio Lower Upper
56 100
69 30.0 25.8 38.6
84 89.8 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 21.234 ug/l
RT: 6.86 min Scan# 553
Delta R.T. -0.03 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

Tgt Ion: 97 Resp: 181287
Ion Ratio Lower Upper
97 100
99 68.4 52.2 78.2
61 42.9 32.4 48.6

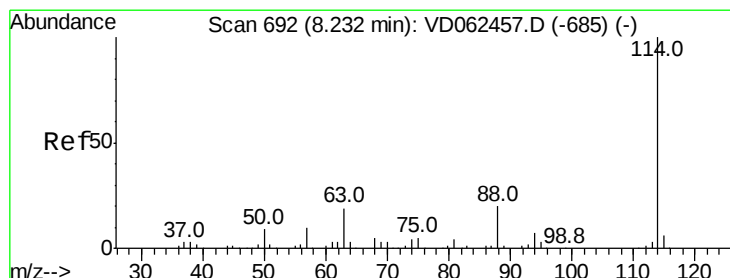
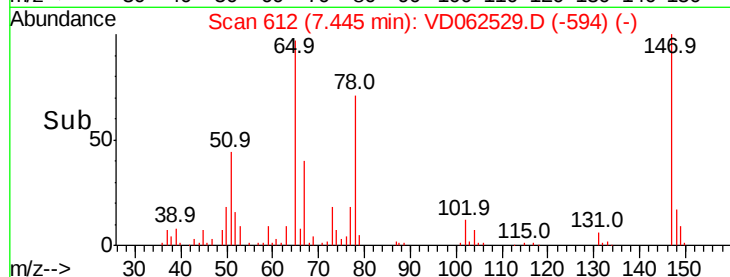
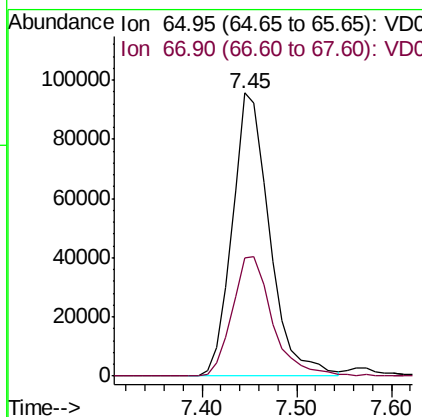
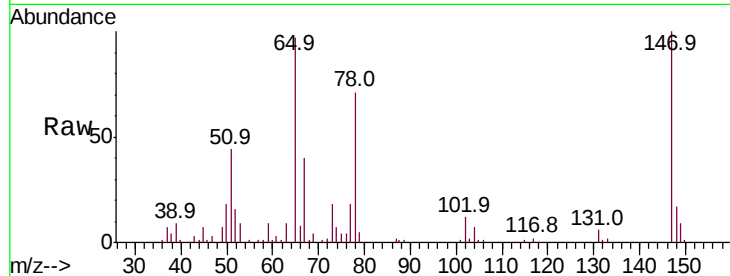




#33
 1,2-Dichloroethane-d4
 Concen: 55.009 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.02 min
 Lab File: VD062529.D
 Acq: 24 May 2019 14:00

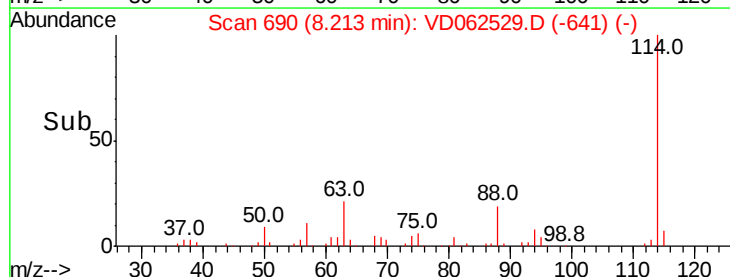
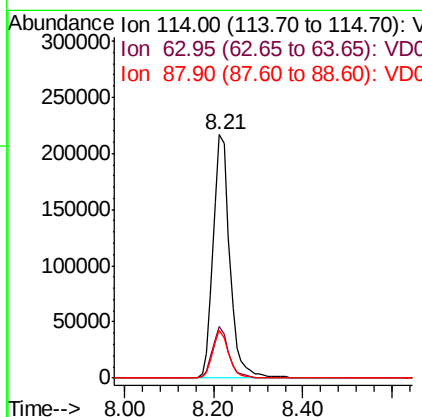
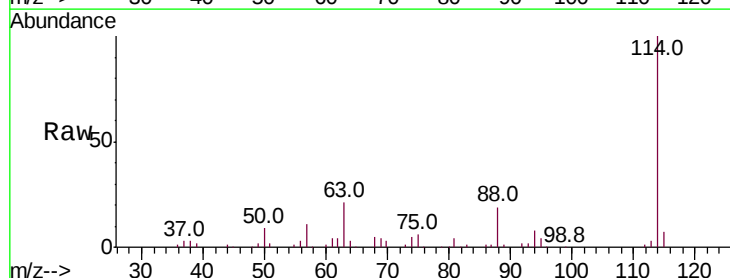
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBSD01

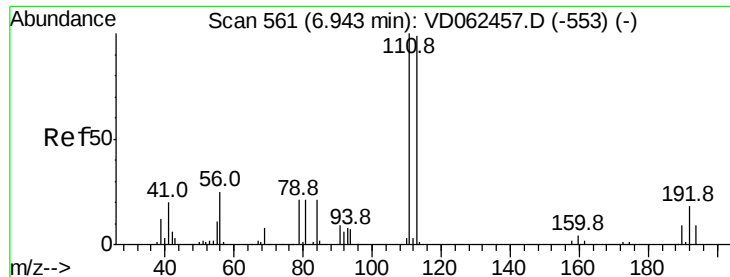
Tot Ion: 65 Resp: 260920
 Ion Ratio Lower Upper
 65 100
 67 41.7 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. -0.02 min
 Lab File: VD062529.D
 Acq: 24 May 2019 14:00

Tgt Ion: 114 Resp: 560711
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 32.4
 88 19.4 0.0 33.6

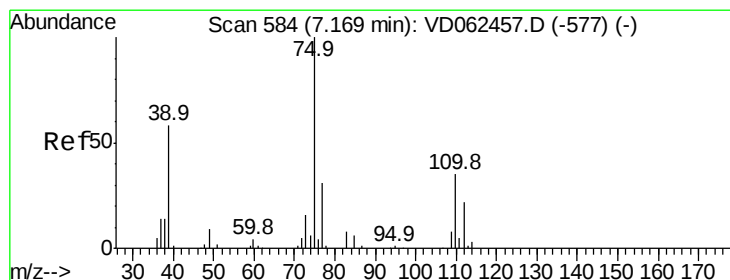
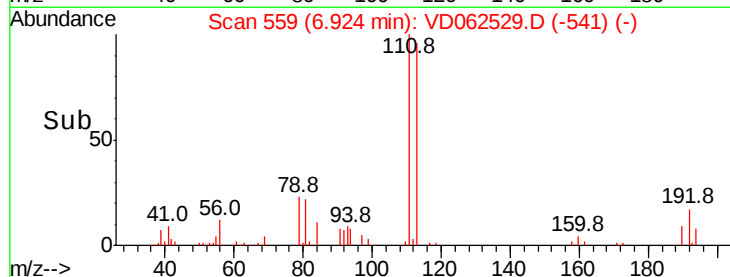
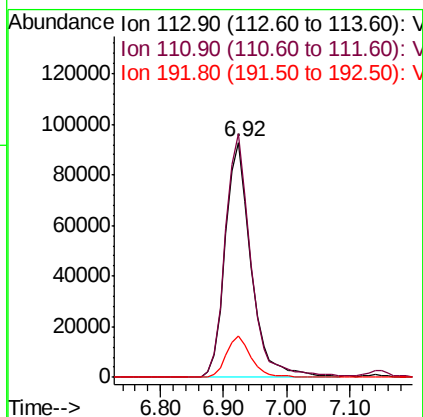
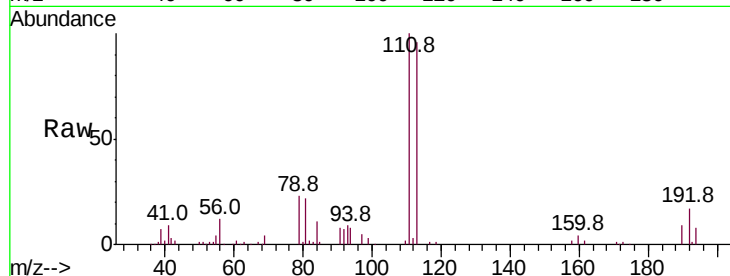




#35
 Dibromofluoromethane
 Concen: 52.218 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: VD062529.D
 Acq: 24 May 2019 14:00

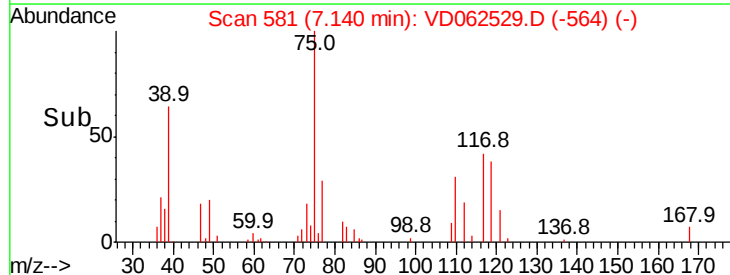
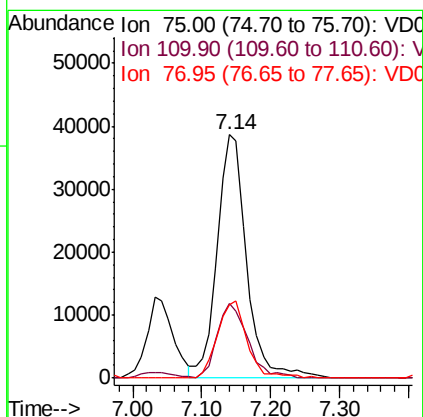
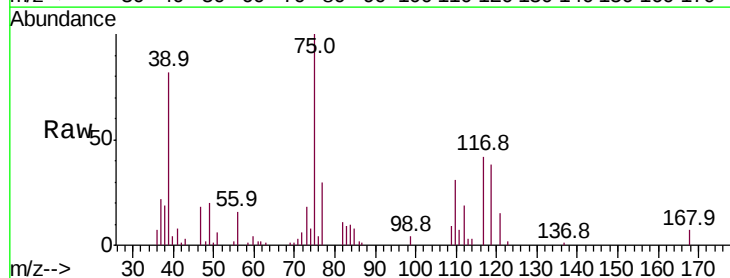
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBSD01

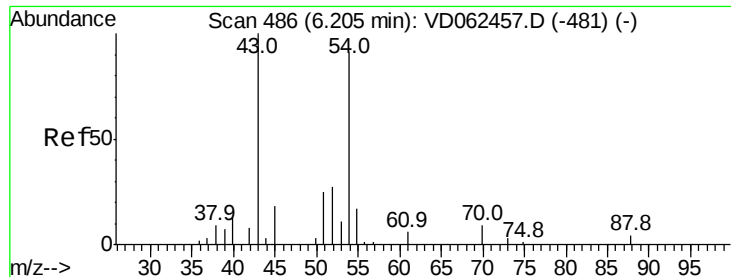
Tot Ion:113 Resp: 264136
 Ion Ratio Lower Upper
 113 100
 111 103.6 78.5 117.7
 192 17.5 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 21.339 ug/l
 RT: 7.14 min Scan# 581
 Delta R.T. -0.03 min
 Lab File: VD062529.D
 Acq: 24 May 2019 14:00

Tgt Ion: 75 Resp: 114395
 Ion Ratio Lower Upper
 75 100
 110 30.6 19.1 57.1
 77 30.2 25.6 38.4

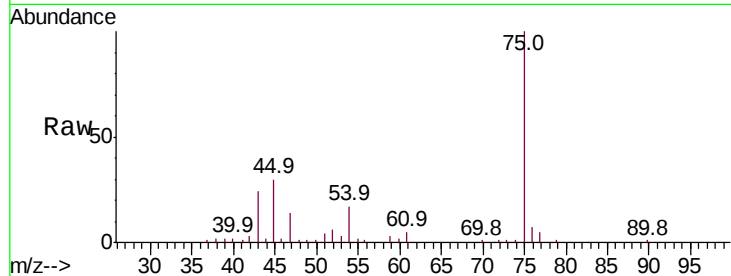




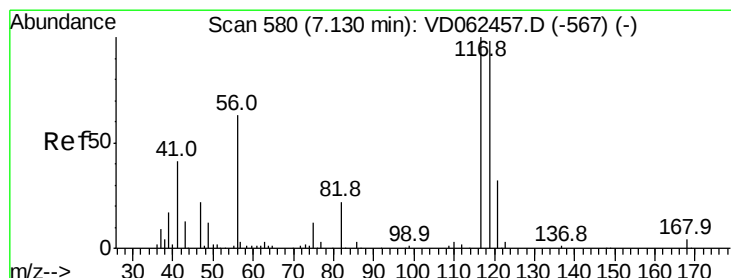
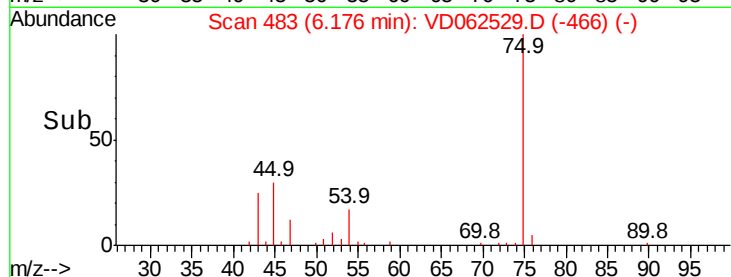
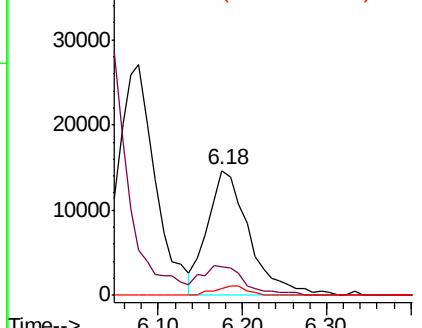
#37
Ethyl Acetate
Concen: 24.323 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.03 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

Instrument :
MSVOA_D
ClientSampleId :
VD0524SBSD01

Tot Ion: 43 Resp: 50655
Ion Ratio Lower Upper
43 100
61 22.5 14.7 22.1#
70 6.0 7.8 11.6#

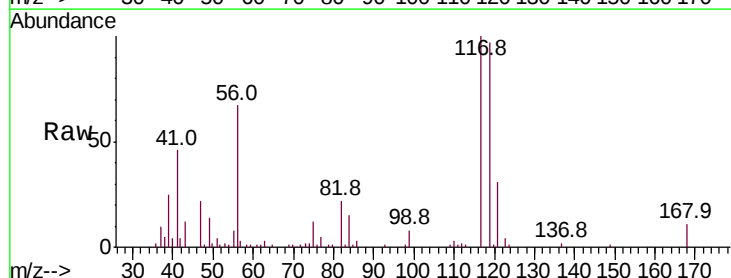


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

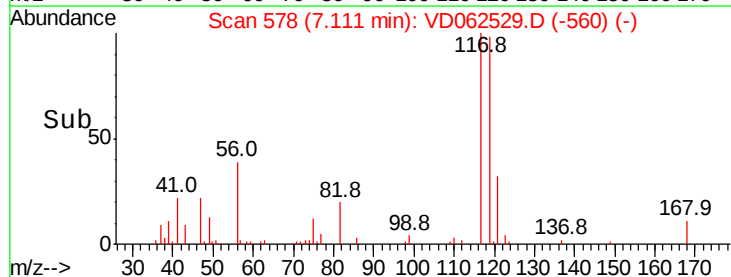
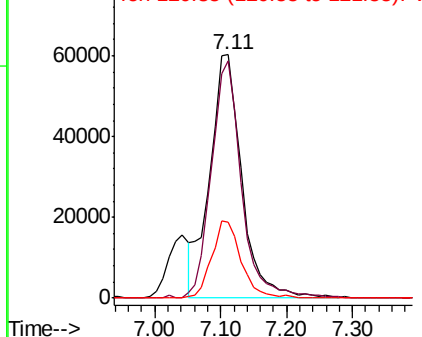


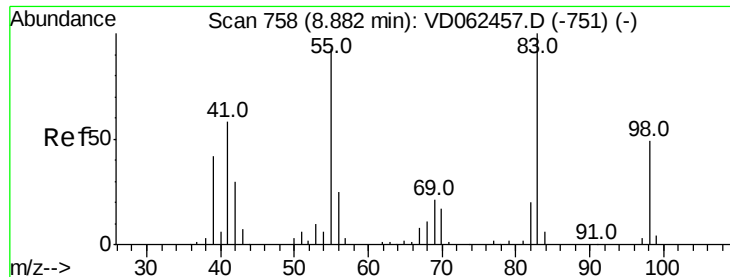
#38
Carbon Tetrachloride
Concen: 25.543 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.02 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

Tgt Ion: 117 Resp: 203506
Ion Ratio Lower Upper
117 100
119 97.3 75.8 113.8
121 31.3 25.9 38.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

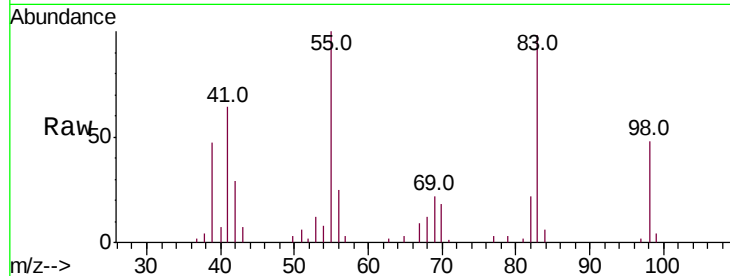




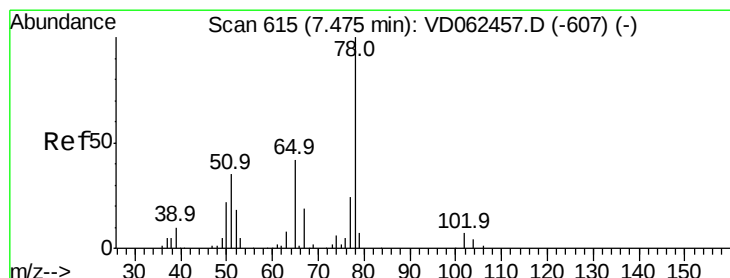
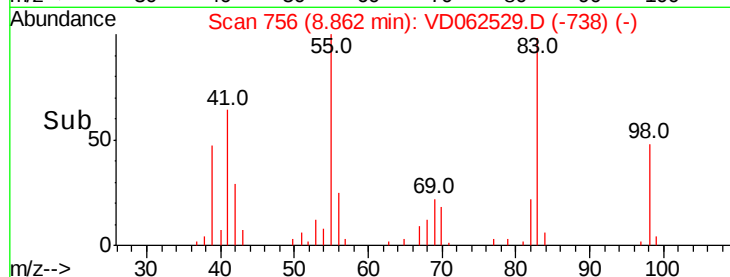
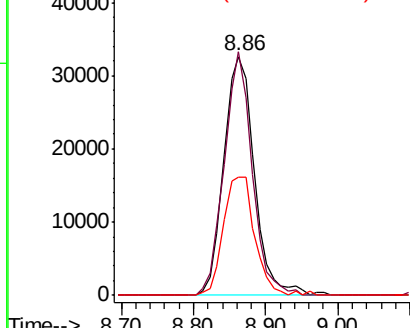
#39
Methvlcvclohexane
Concen: 21.684 ug/l
RT: 8.86 min Scan# 756
Delta R.T. -0.02 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

Instrument :
MSVOA_D
ClientSampleId :
VD0524SBSD01

Tot Ion: 83 Resp: 95877
Ion Ratio Lower Upper
83 100
55 101.9 68.2 102.4
98 49.4 38.2 57.4

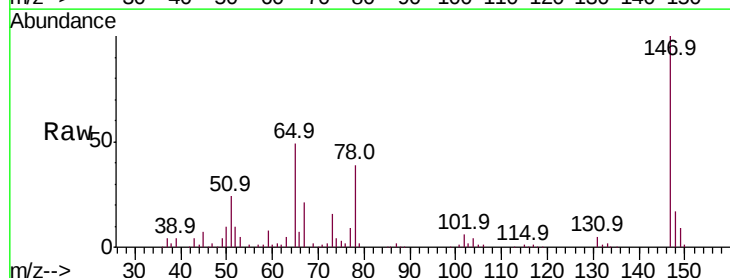


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

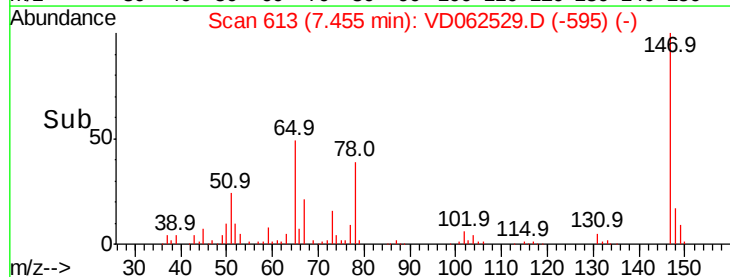
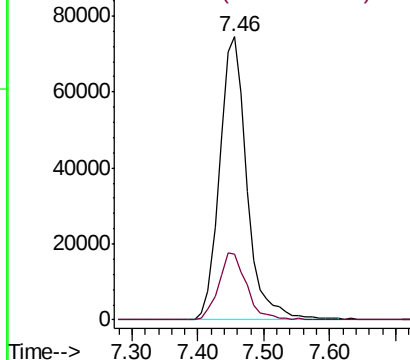


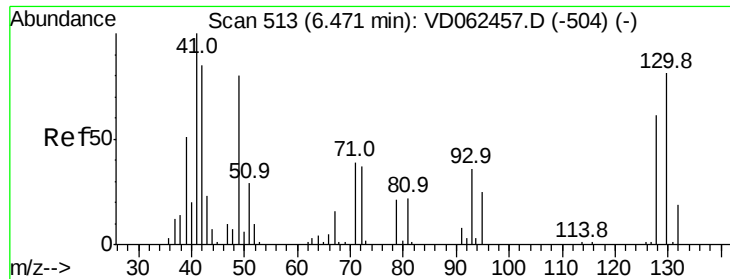
#40
Benzene
Concen: 20.531 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.02 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

Tgt Ion: 78 Resp: 215884
Ion Ratio Lower Upper
78 100
77 23.5 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 19.669 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.03 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBSD01

Tot Ion: 41 Resp: 51446

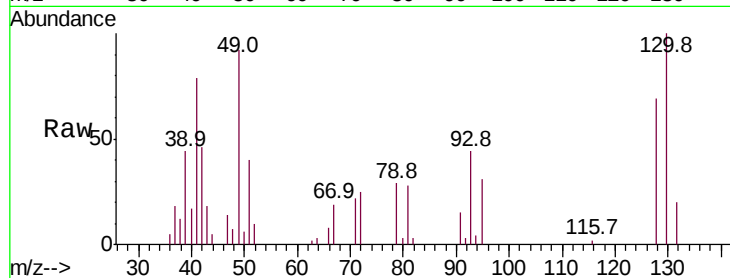
Ion Ratio Lower Upper

41 100

39 55.7 34.1 51.1#

67 24.4 23.8 35.6

52 13.0 8.8 13.2



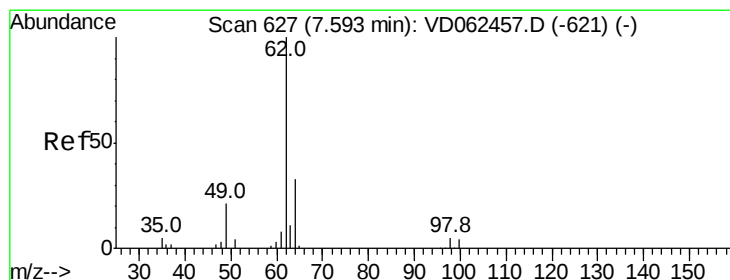
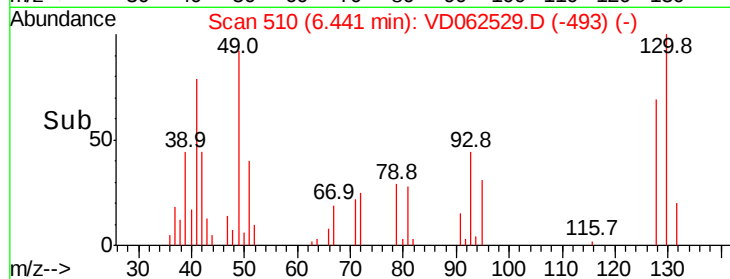
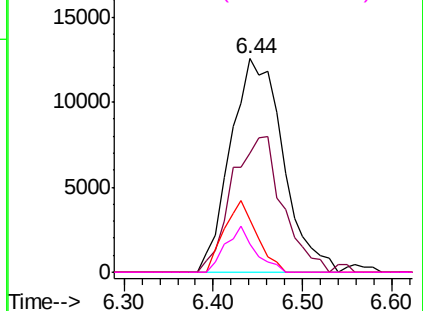
Abundance

Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.811 ug/l

RT: 7.57 min Scan# 625

Delta R.T. -0.02 min

Lab File: VD062529.D

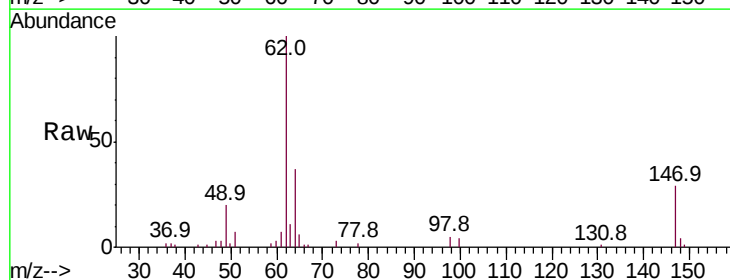
Acq: 24 May 2019 14:00

Tgt Ion: 62 Resp: 127016

Ion Ratio Lower Upper

62 100

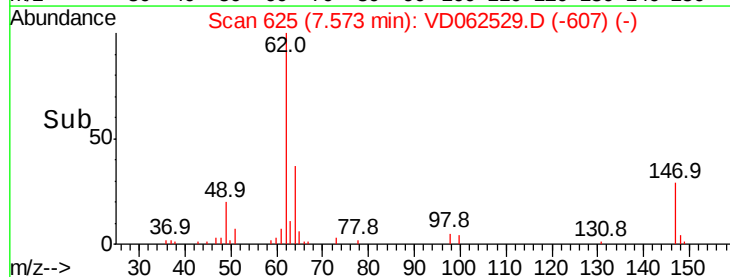
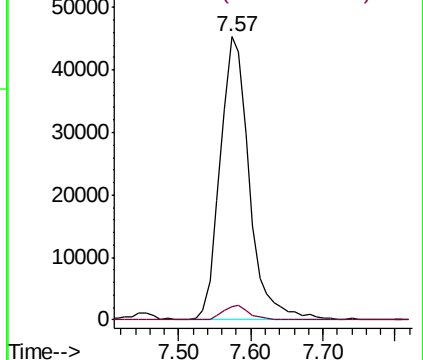
98 4.6 0.0 17.8

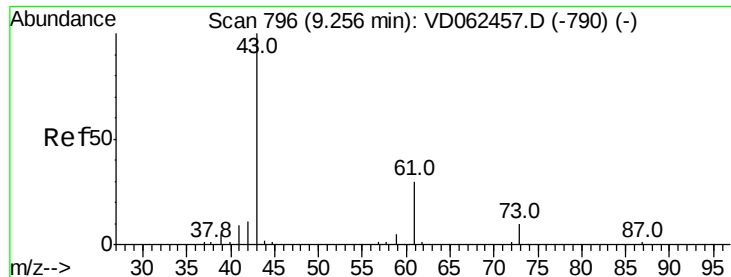


Abundance

Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 19.865 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.02 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBSD01

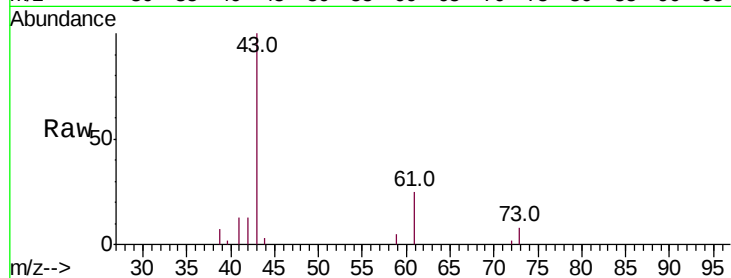
Tot Ion: 43 Resp: 54881

Ion Ratio Lower Upper

43 100

61 25.4 25.1 37.7

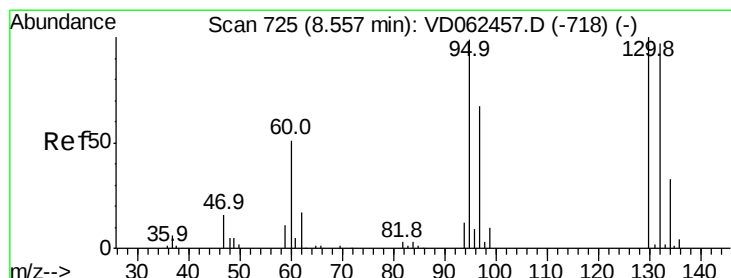
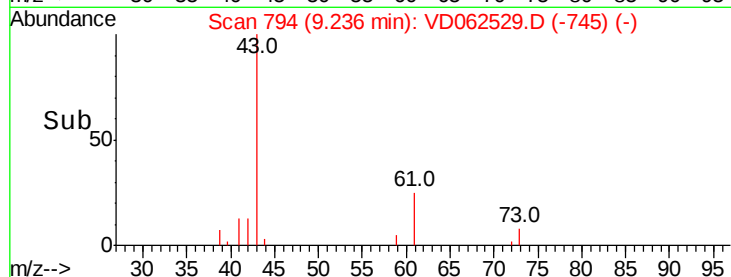
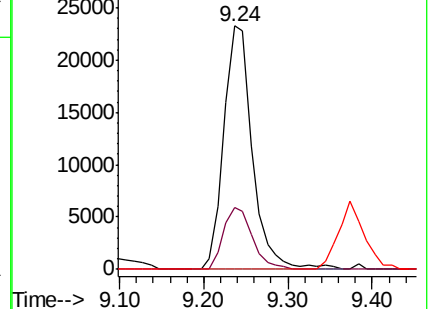
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.789 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.02 min

Lab File: VD062529.D

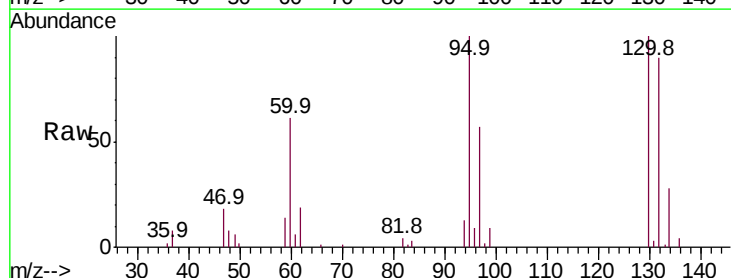
Acq: 24 May 2019 14:00

Tgt Ion: 130 Resp: 91736

Ion Ratio Lower Upper

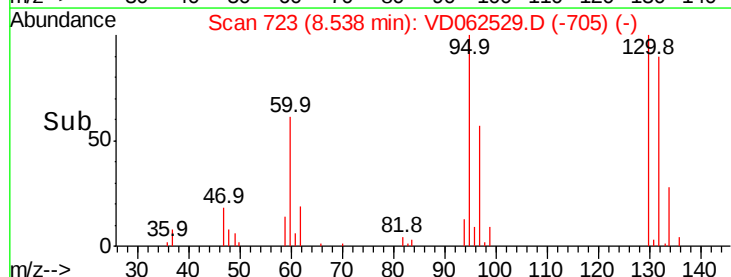
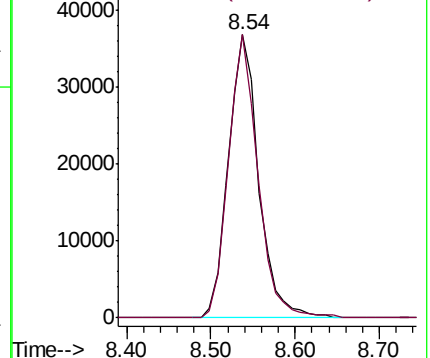
130 100

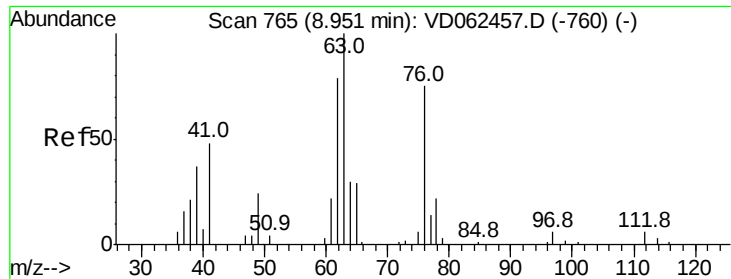
95 100.1 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.244 ug/l

RT: 8.94 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

Instrument :

MSVOA_D

ClientSampleId :

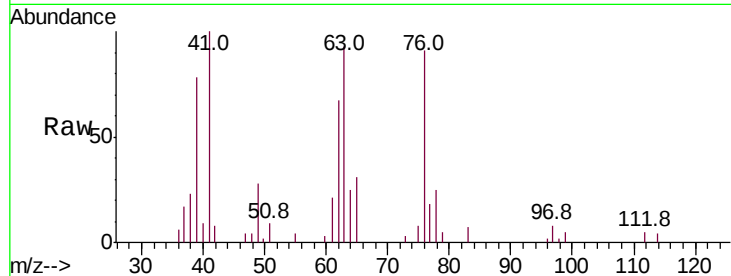
VD0524SBS01

Tot Ion: 63 Resp: 49314

Ion Ratio Lower Upper

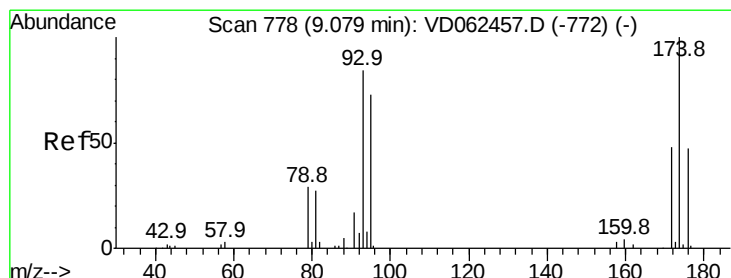
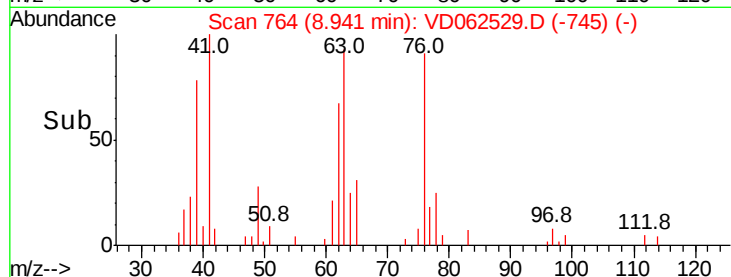
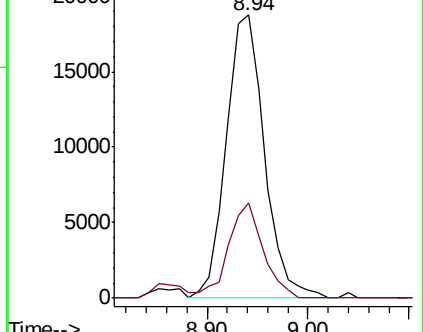
63 100

65 33.5 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.099 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.02 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

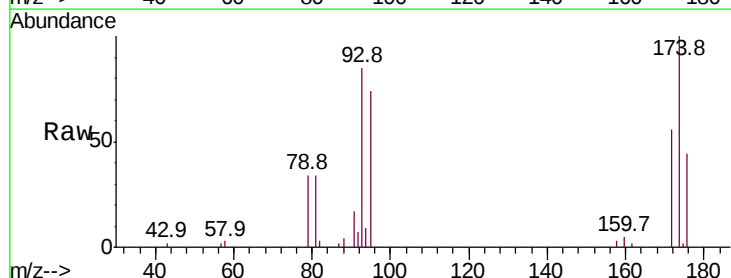
Tgt Ion: 93 Resp: 49011

Ion Ratio Lower Upper

93 100

95 86.5 64.8 97.2

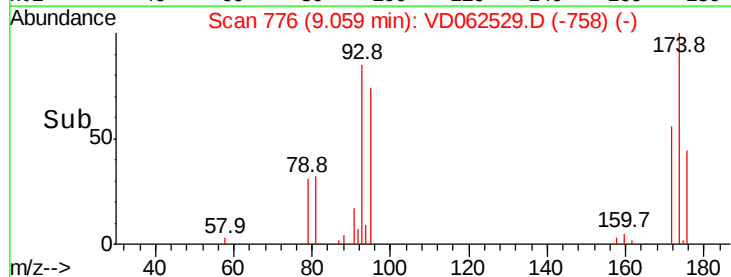
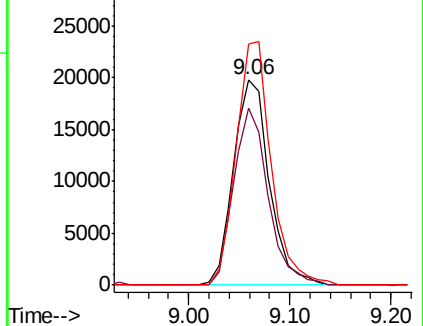
174 117.2 79.3 118.9

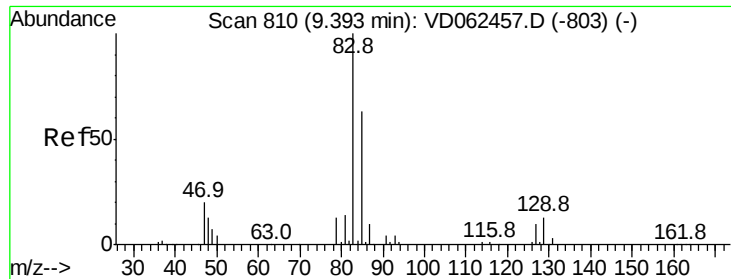


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 23.203 ug/l

RT: 9.37 min Scan# 808

Delta R.T. -0.02 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBS01

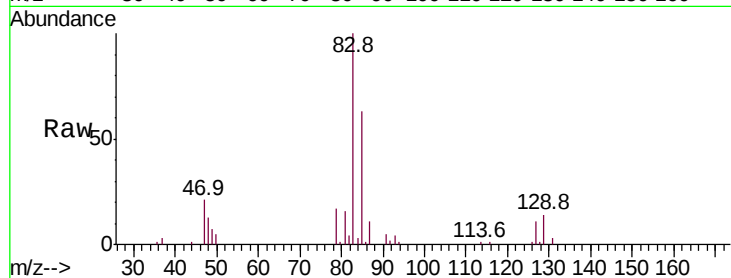
Tot Ion: 83 Resp: 137110

Ion Ratio Lower Upper

83 100

85 63.3 50.9 76.3

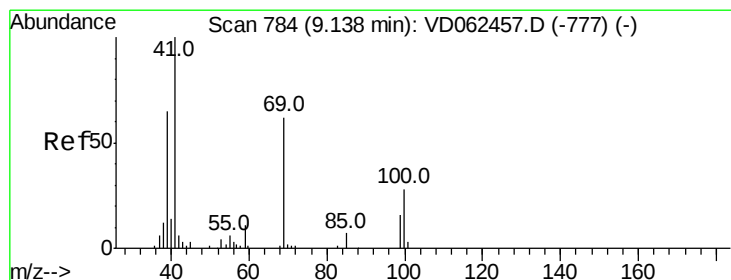
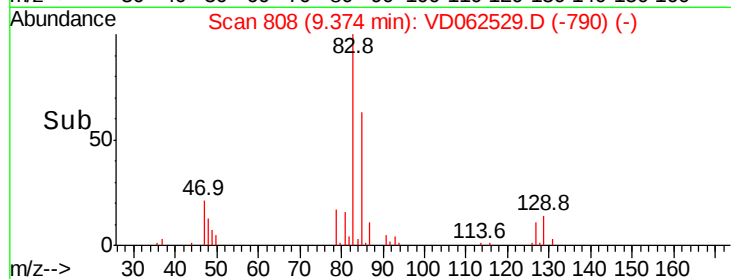
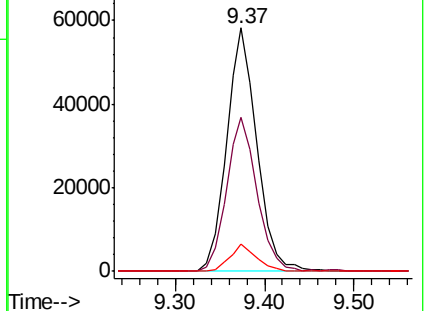
127 11.3 8.1 12.1



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 22.187 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.02 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

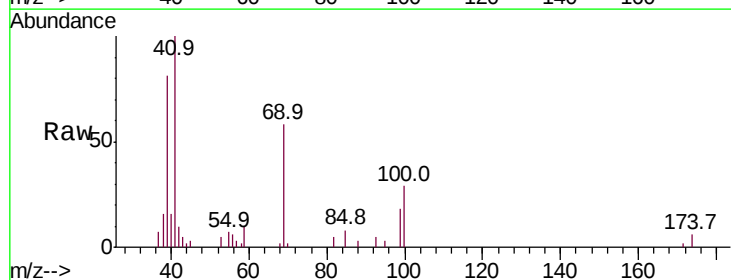
Tgt Ion: 41 Resp: 41249

Ion Ratio Lower Upper

41 100

69 57.8 64.2 96.2#

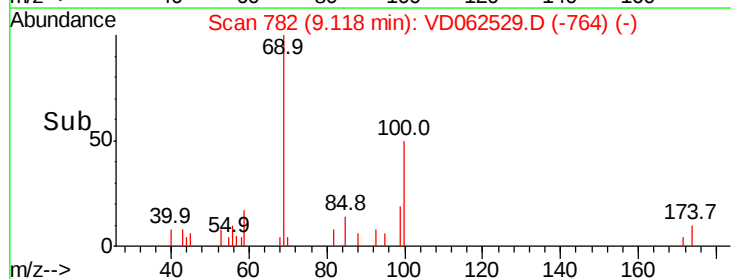
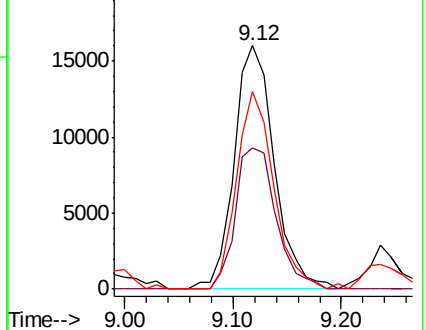
39 81.0 46.8 70.2#

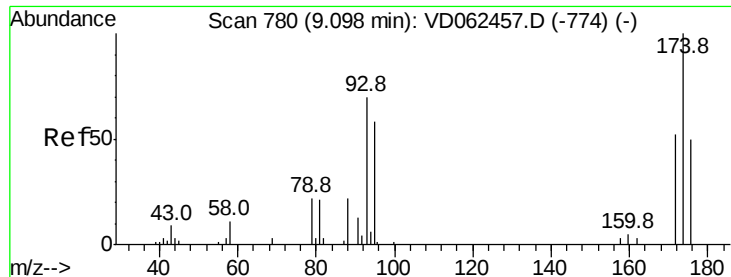


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 422.155 ug/l

RT: 9.08 min Scan# 778

Delta R.T. -0.02 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBS01

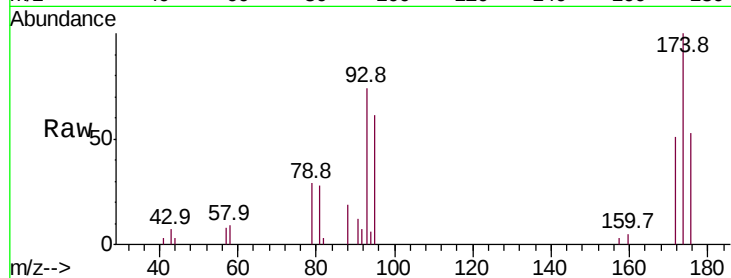
Tot Ion: 88 Resp: 7040

Ion Ratio Lower Upper

88 100

43 36.9 23.4 35.0#

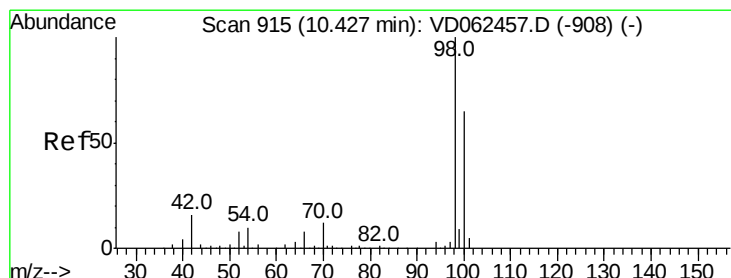
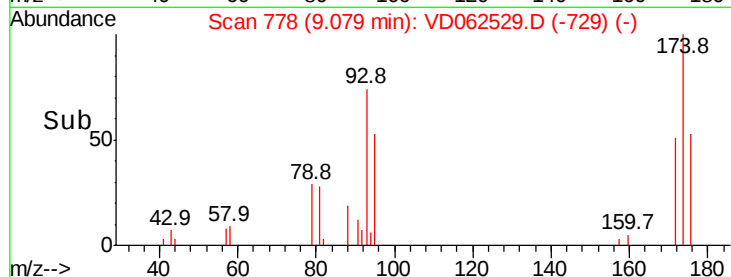
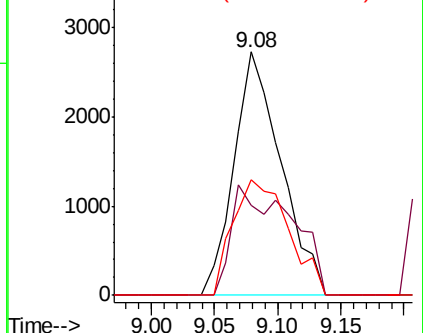
58 47.4 44.0 66.0



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 48.644 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.02 min

Lab File: VD062529.D

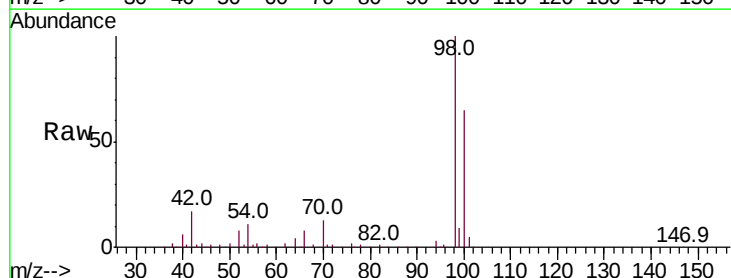
Acq: 24 May 2019 14:00

Tgt Ion: 98 Resp: 538464

Ion Ratio Lower Upper

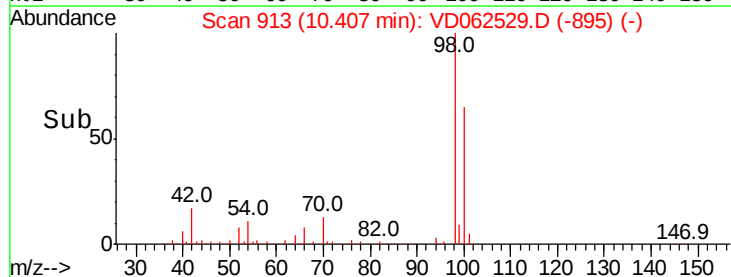
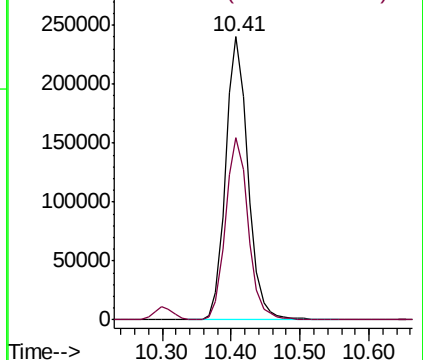
98 100

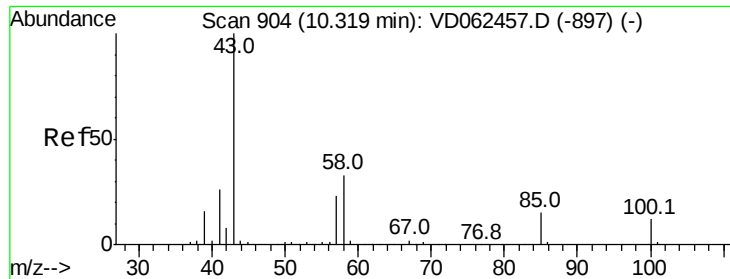
100 64.6 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 103.197 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.02 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

Instrument :

MSVOA_D

ClientSampleID :

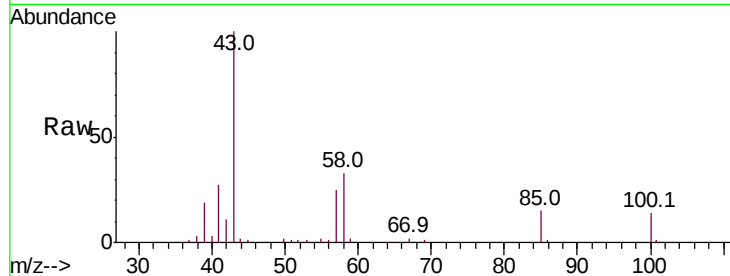
VD0524SBSD01

Tot Ion: 43 Resp: 188349

Ion Ratio Lower Upper

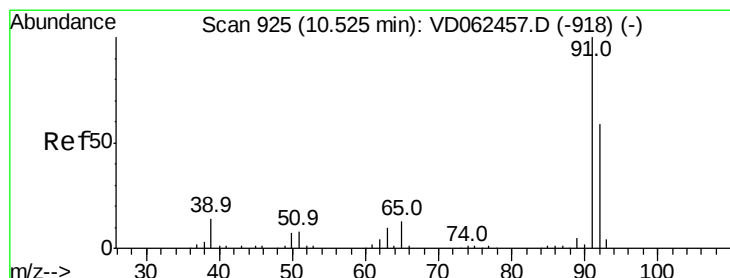
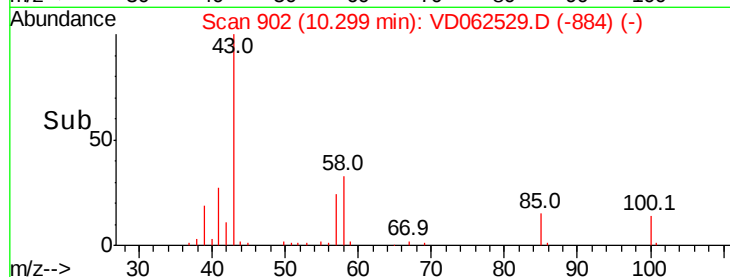
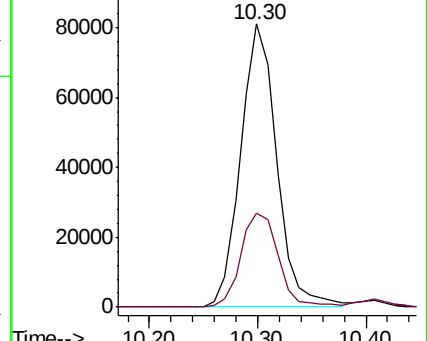
43 100

58 33.3 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.297 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.02 min

Lab File: VD062529.D

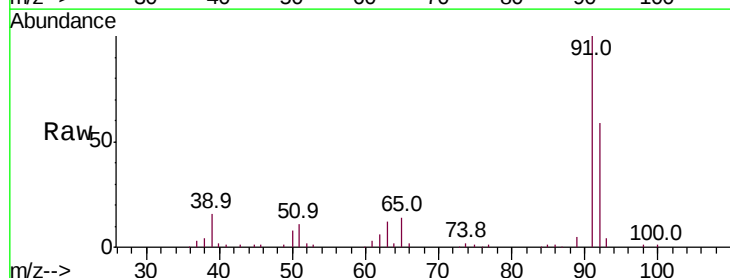
Acq: 24 May 2019 14:00

Tgt Ion: 92 Resp: 146110

Ion Ratio Lower Upper

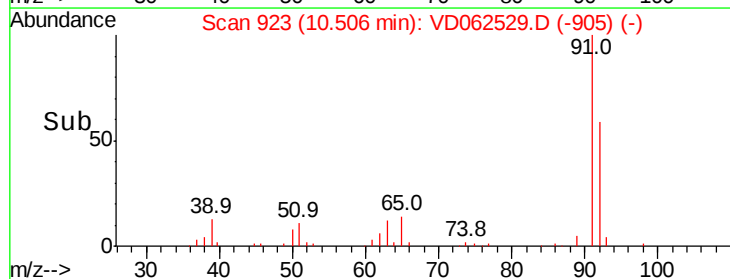
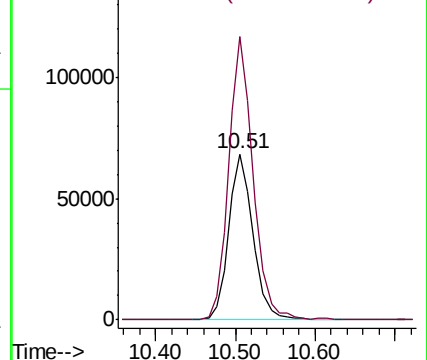
92 100

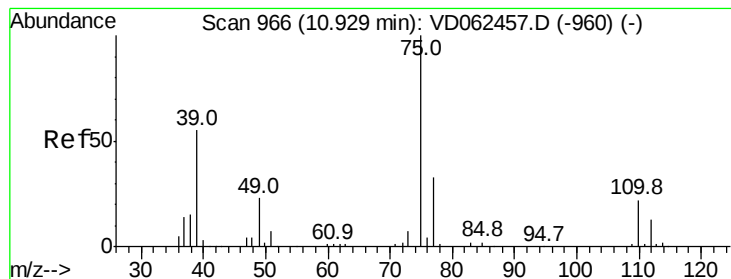
91 170.5 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.851 ug/l

RT: 10.91 min Scan# 964

Delta R.T. -0.02 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

Instrument :

MSVOA_D

ClientSampleId :

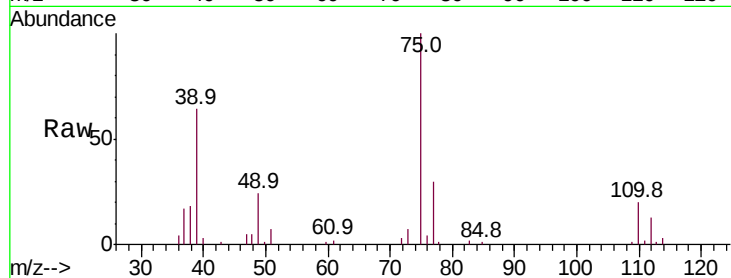
VD0524SBSD01

Tot Ion: 75 Resp: 107498

Ion Ratio Lower Upper

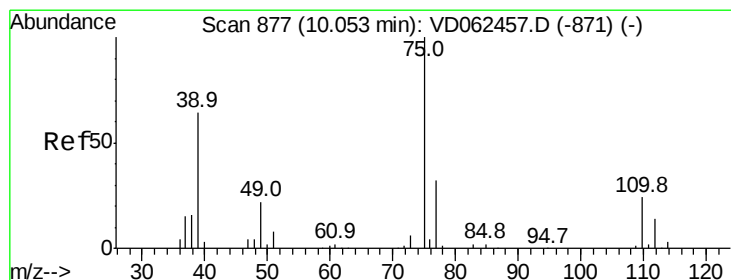
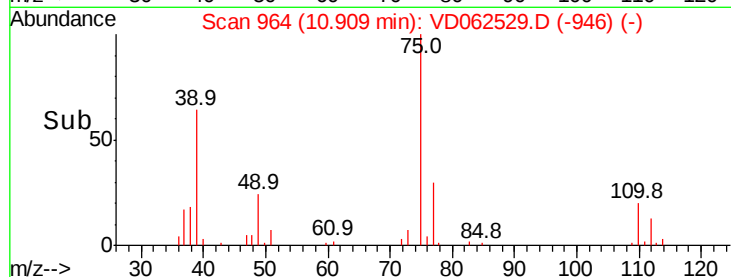
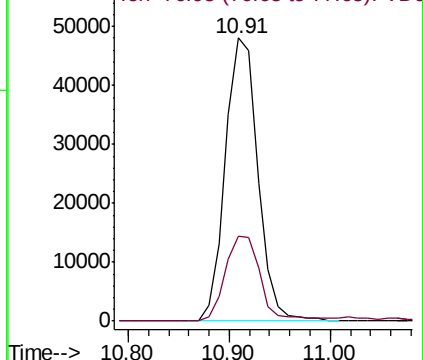
75 100

77 30.2 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 22.705 ug/l

RT: 10.03 min Scan# 875

Delta R.T. -0.02 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

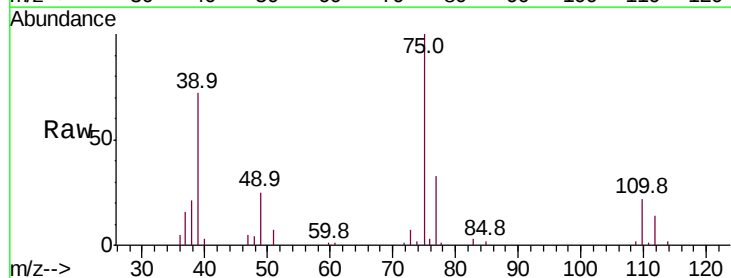
Tgt Ion: 75 Resp: 116553

Ion Ratio Lower Upper

75 100

77 33.0 25.5 38.3

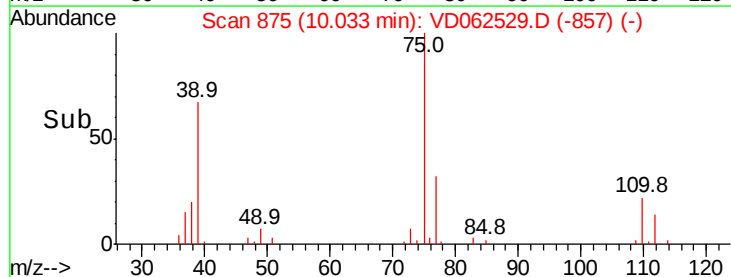
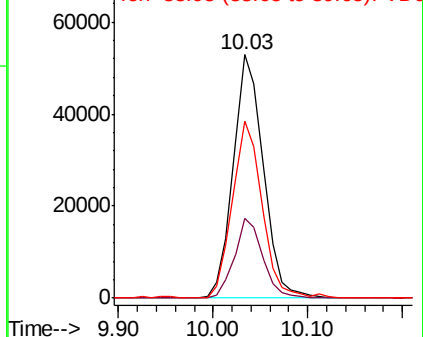
39 72.5 39.4 59.2#

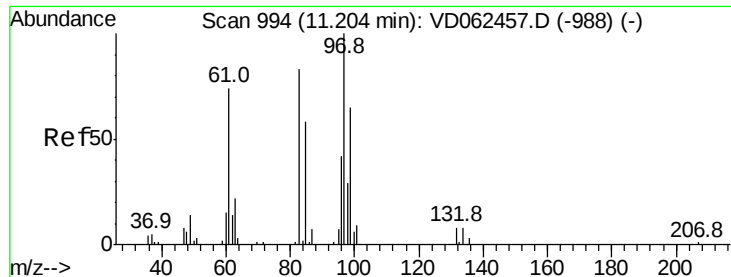


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

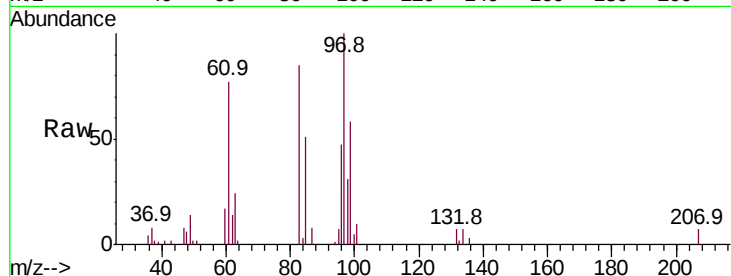




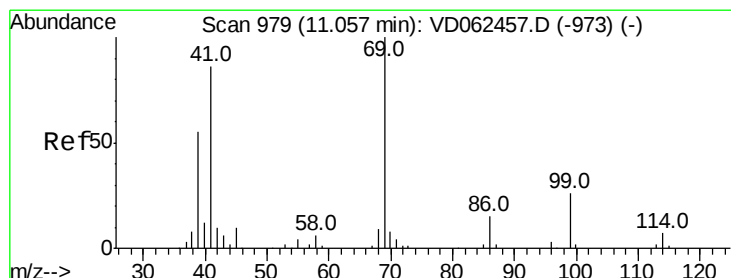
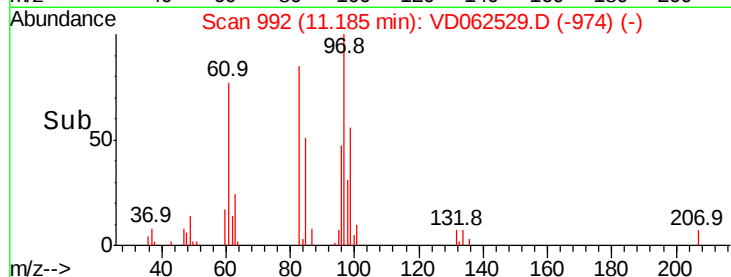
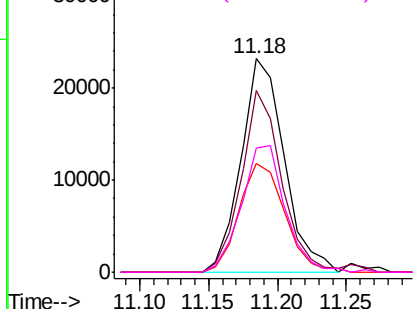
#55
1,1,2-Trichloroethane
Concen: 20.834 ug/l
RT: 11.18 min Scan# 992
Delta R.T. -0.02 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

Instrument :
MSVOA_D
ClientSampleId :
VD0524SBSD01

Tot Ion: 97 Resp: 50830
Ion Ratio Lower Upper
97 100
83 85.2 65.7 98.5
85 51.2 45.6 68.4
99 58.1 48.4 72.6

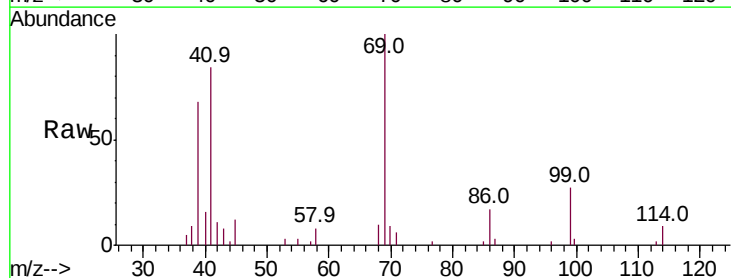


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

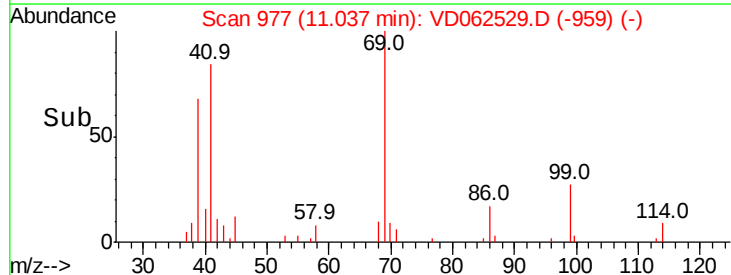
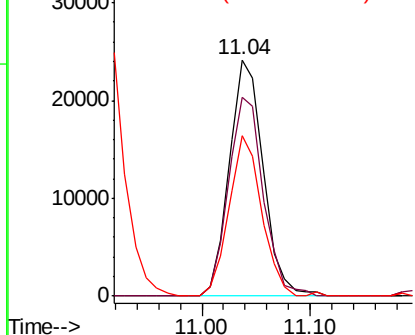


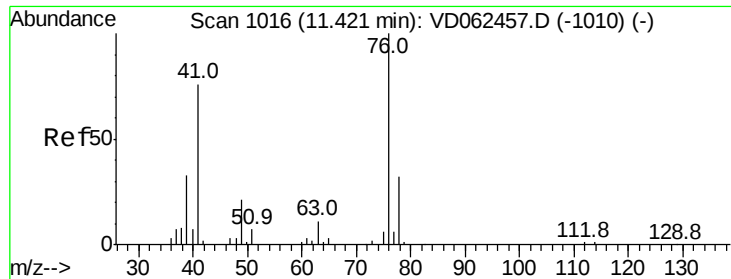
#56
Ethyl methacrylate
Concen: 20.165 ug/l
RT: 11.04 min Scan# 977
Delta R.T. -0.02 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

Tgt Ion: 69 Resp: 52594
Ion Ratio Lower Upper
69 100
41 84.2 56.3 84.5
39 67.7 29.4 44.2#



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.417 ug/l

RT: 11.40 min Scan# 1014

Delta R.T. -0.02 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

Instrument :

MSVOA_D

ClientSampleId :

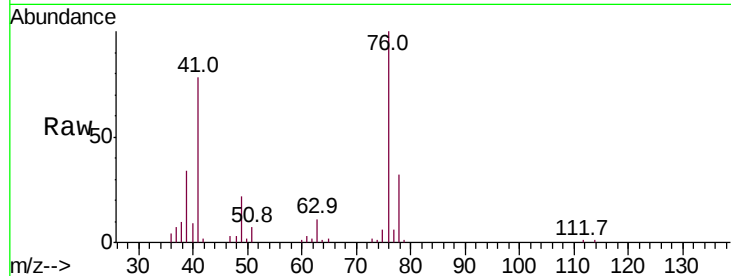
VD0524SBSD01

Tot Ion: 76 Resp: 76392

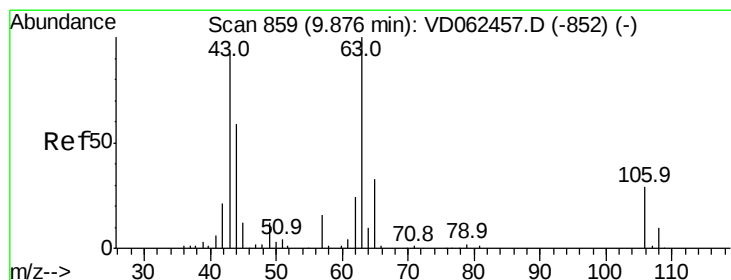
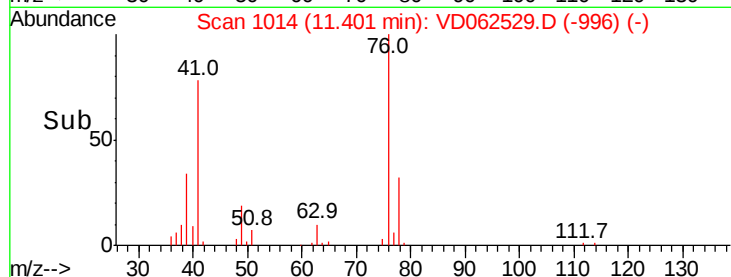
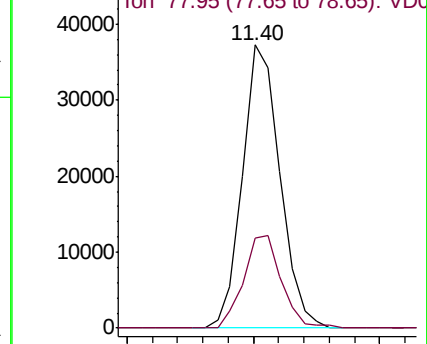
Ion Ratio Lower Upper

76 100

78 31.8 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 111.864 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.02 min

Lab File: VD062529.D

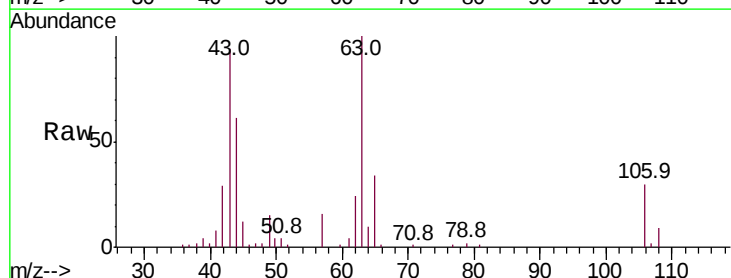
Acq: 24 May 2019 14:00

Tgt Ion: 63 Resp: 149815

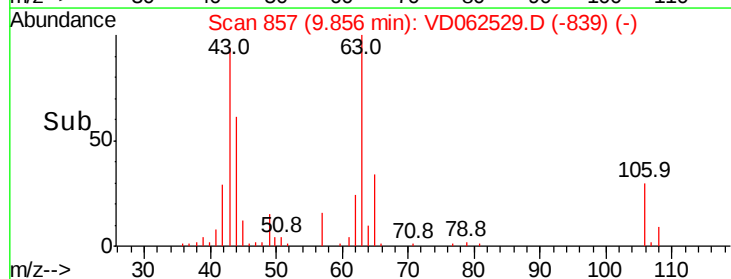
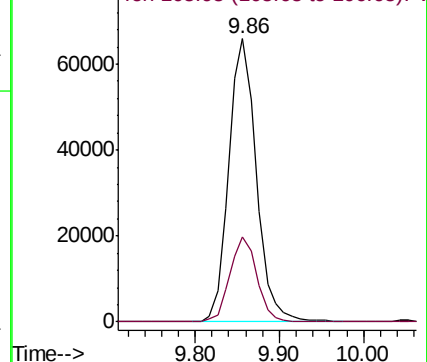
Ion Ratio Lower Upper

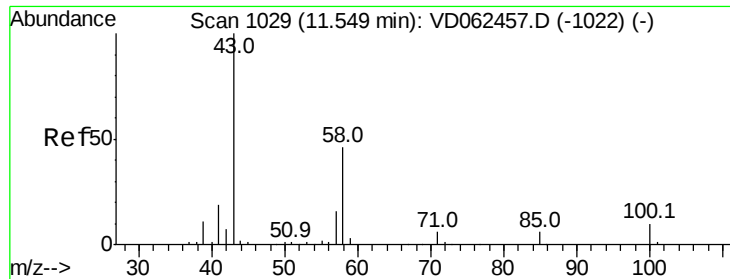
63 100

106 30.0 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

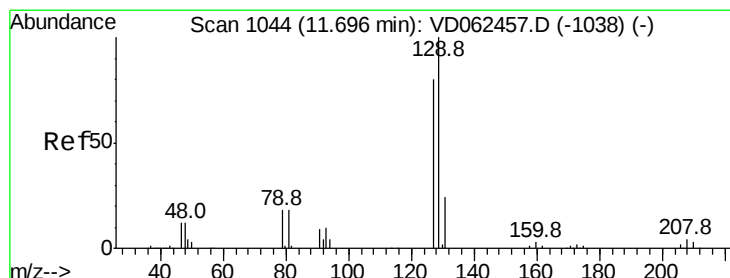
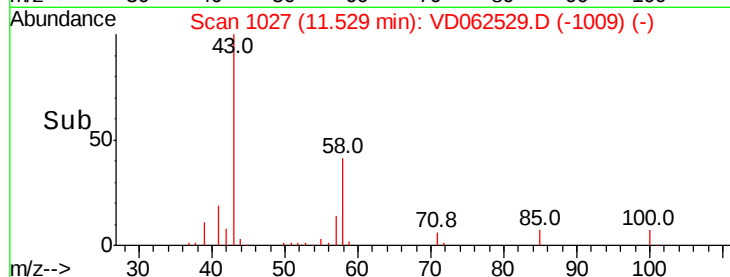
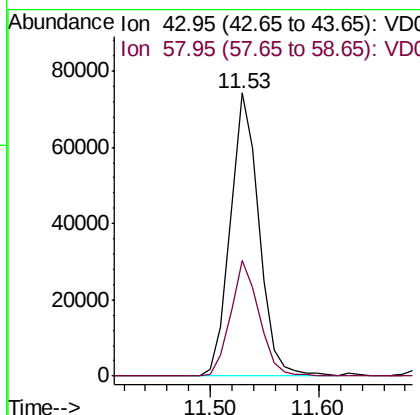
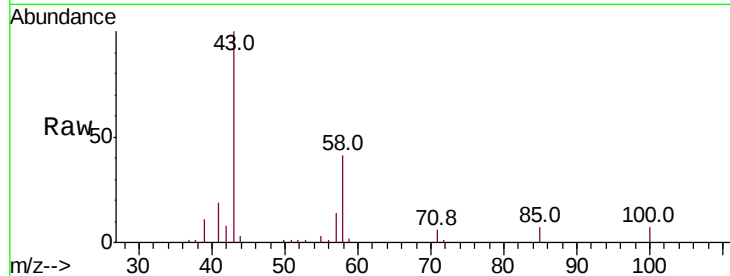




#59
2-Hexanone
Concen: 103.451 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.02 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

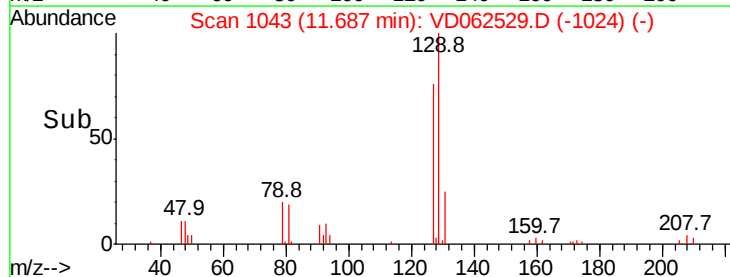
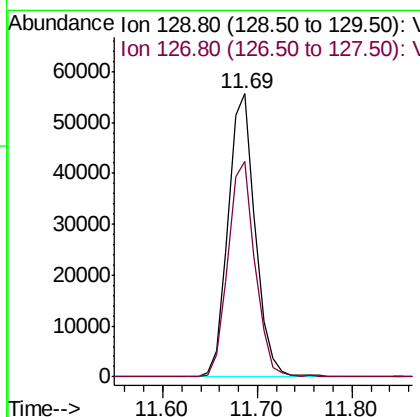
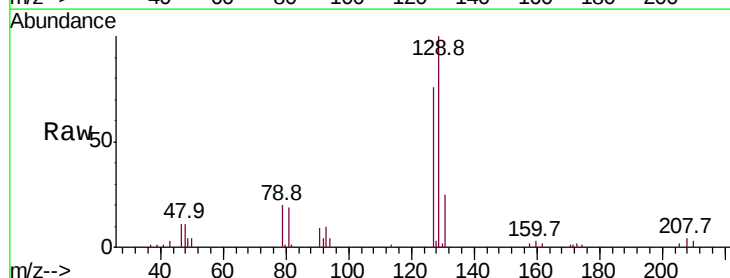
Instrument :
MSVOA_D
ClientSampleId :
VD0524SBSD01

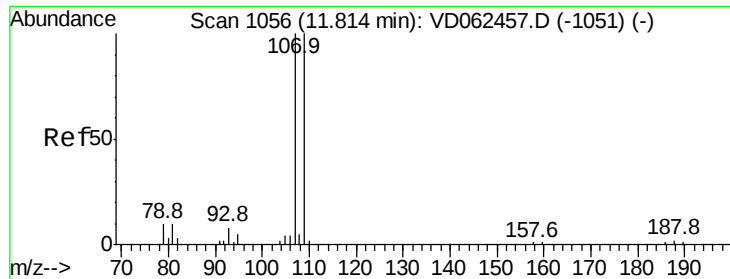
Tot Ion: 43 Resp: 137225
Ion Ratio Lower Upper
43 100
58 40.9 25.4 76.4



#60
Dibromochloromethane
Concen: 23.507 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

Tgt Ion:129 Resp: 110153
Ion Ratio Lower Upper
129 100
127 75.9 38.0 113.9

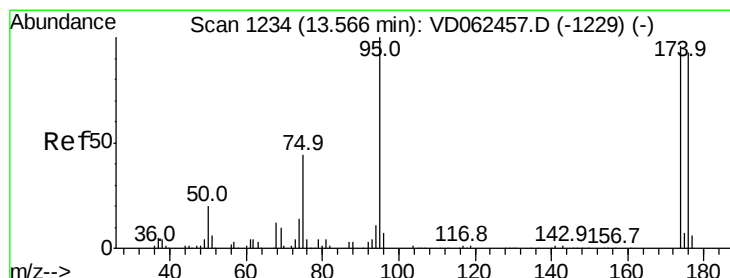
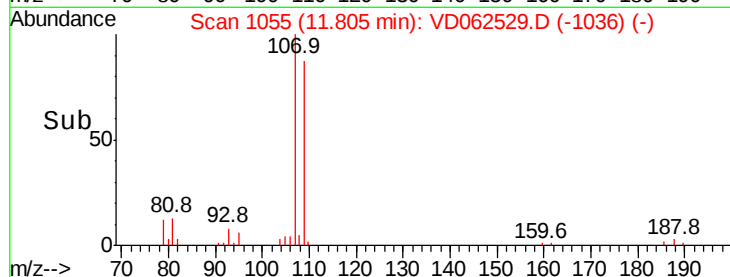
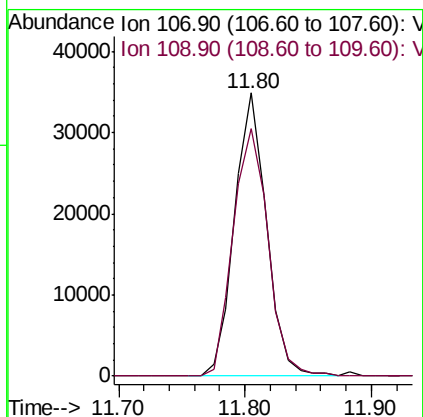
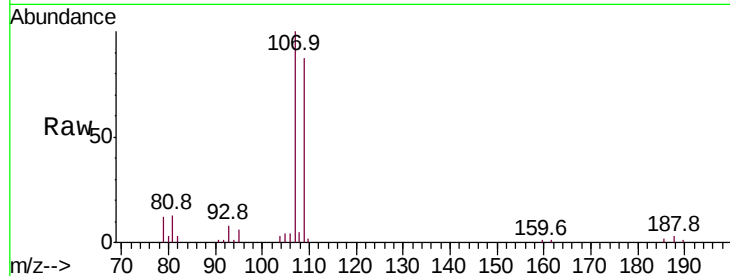




#61
 1,2-Dibromoethane
 Concen: 20.336 ug/l
 RT: 11.80 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VD062529.D
 Acq: 24 May 2019 14:00

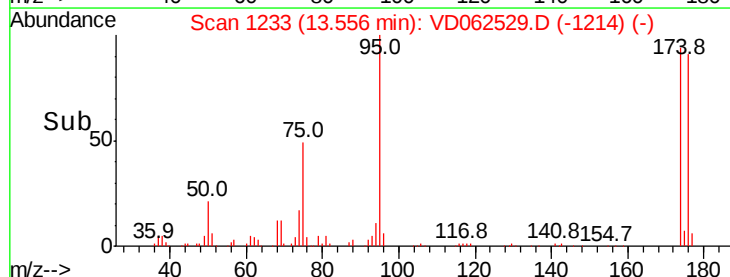
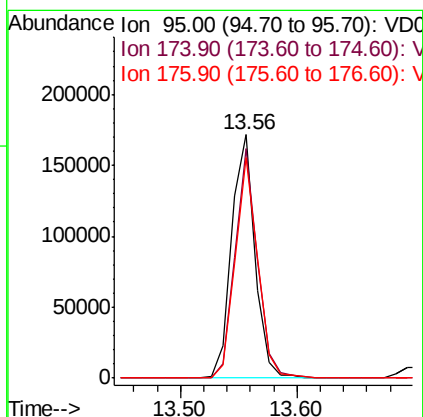
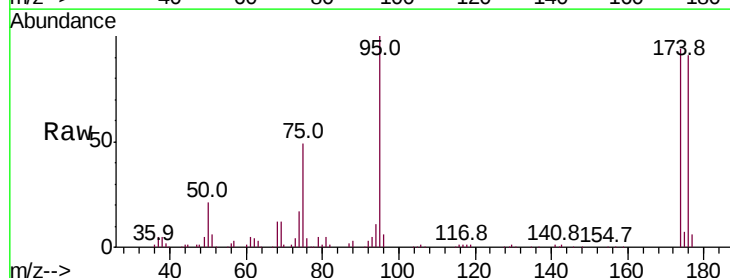
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBSD01

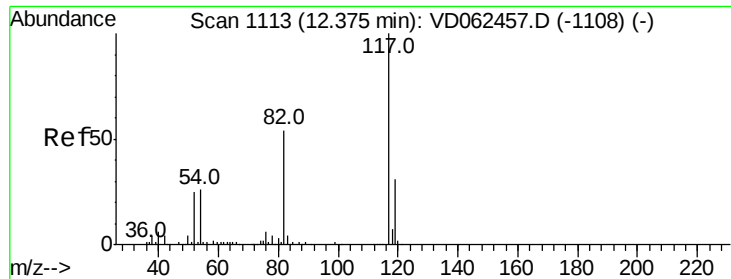
Tot Ion:107 Resp: 61142
 Ion Ratio Lower Upper
 107 100
 109 87.4 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 49.147 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: VD062529.D
 Acq: 24 May 2019 14:00

Tgt Ion: 95 Resp: 237981
 Ion Ratio Lower Upper
 95 100
 174 94.0 0.0 181.8
 176 90.8 0.0 174.4

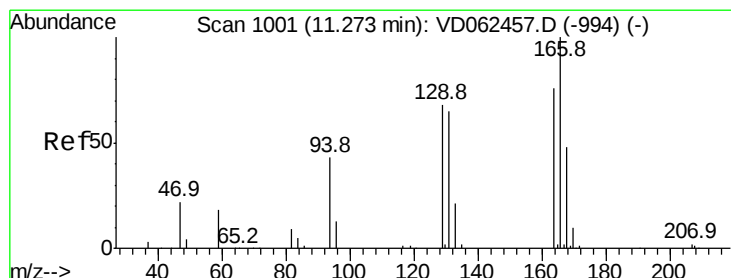
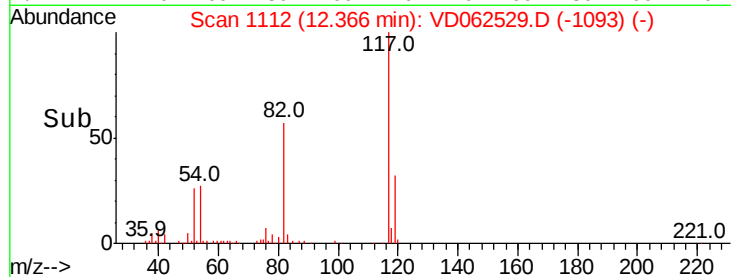
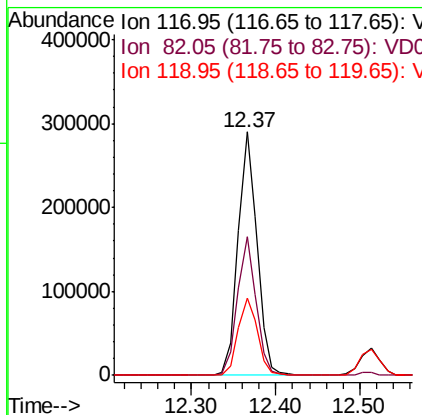
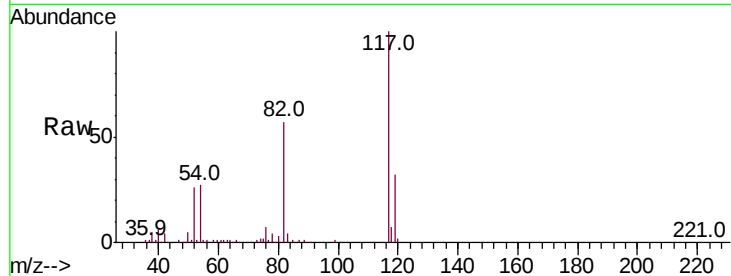




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

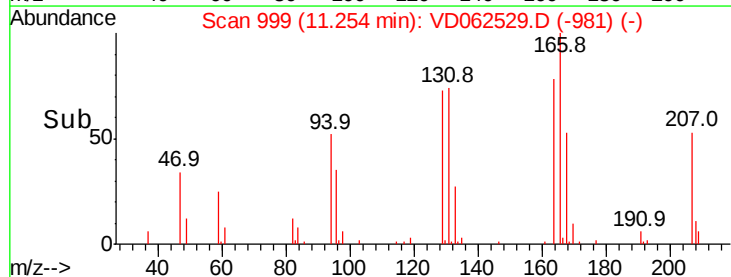
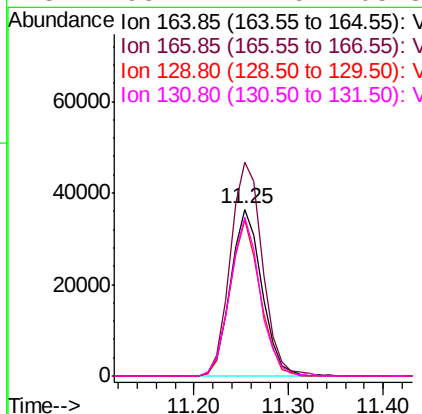
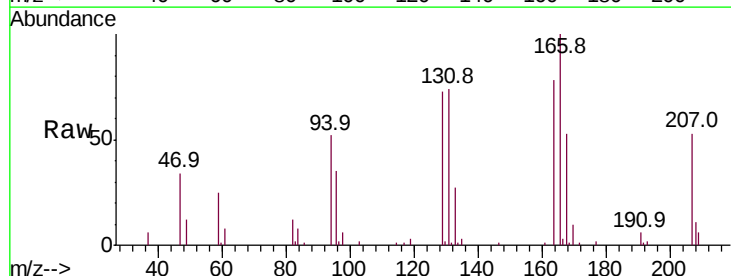
Instrument :
MSVOA_D
ClientSampleId :
VD0524SBSD01

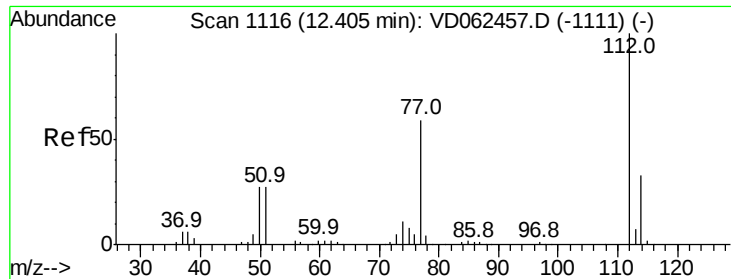
Tot Ion:117 Resp: 457873
Ion Ratio Lower Upper
117 100
82 57.0 36.2 54.2#
119 31.8 26.2 39.4



#64
Tetrachloroethene
Concen: 21.682 ug/l
RT: 11.25 min Scan# 999
Delta R.T. -0.02 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

Tgt Ion:164 Resp: 83124
Ion Ratio Lower Upper
164 100
166 128.0 101.5 152.3
129 93.3 74.6 112.0
131 95.2 72.6 108.8

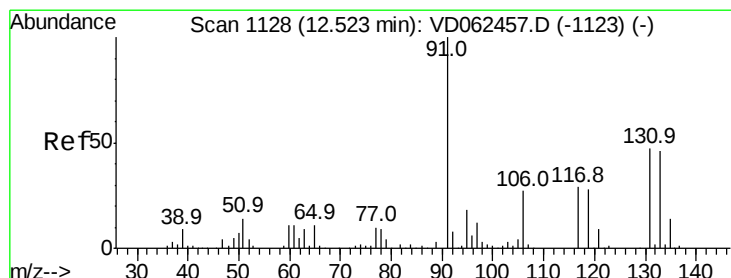
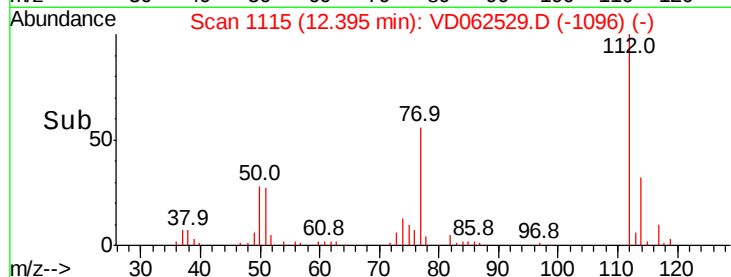
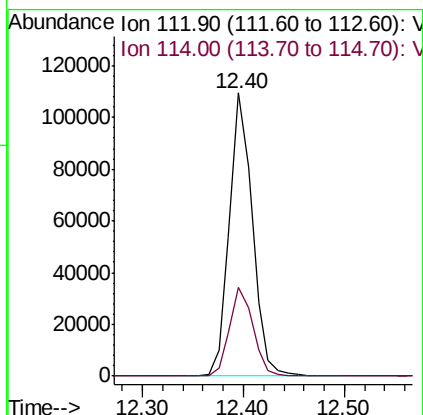
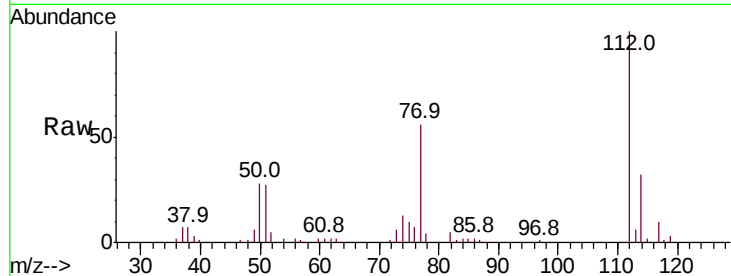




#65
Chlorobenzene
Concen: 19.695 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

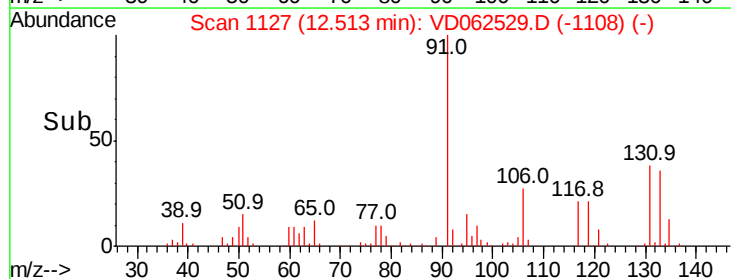
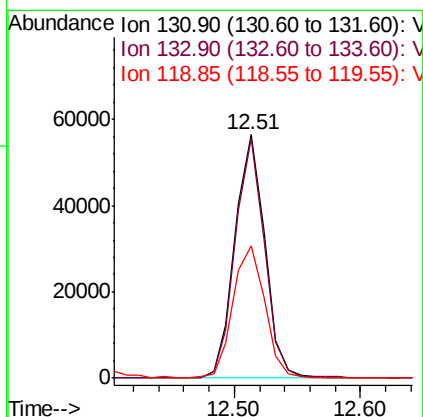
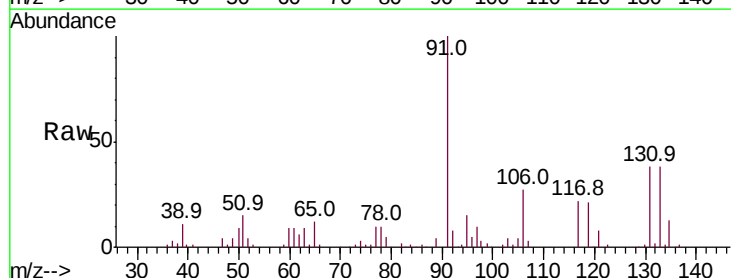
Instrument :
MSVOA_D
ClientSampleId :
VD0524SBSD01

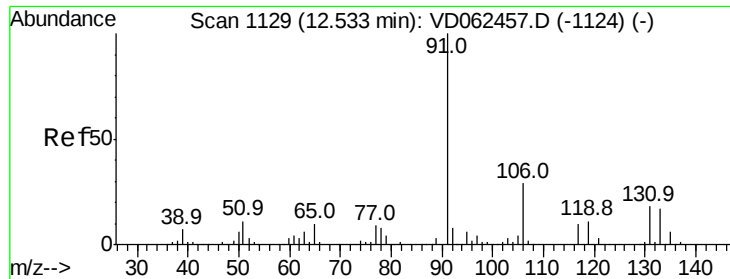
Tot Ion:112 Resp: 173415
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.788 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

Tgt Ion:131 Resp: 92619
Ion Ratio Lower Upper
131 100
133 98.4 48.6 145.8
119 54.4 34.7 104.1

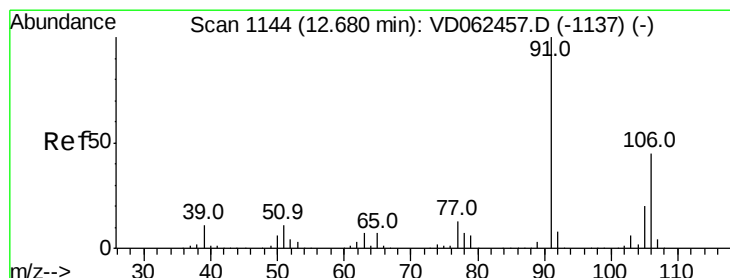
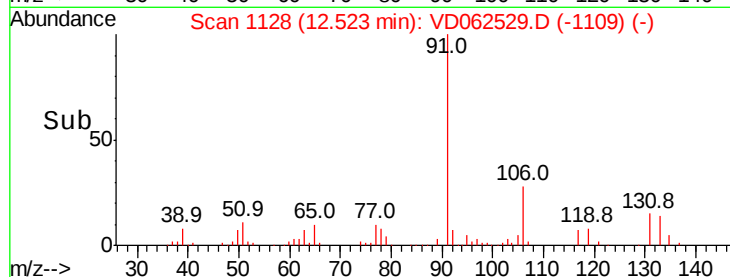
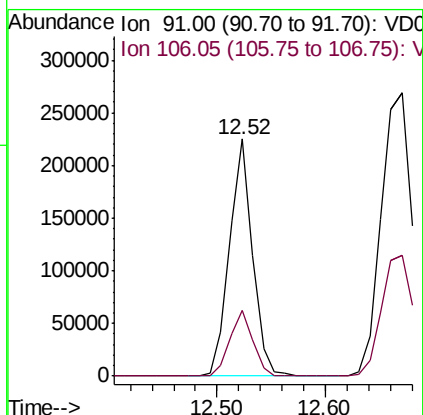
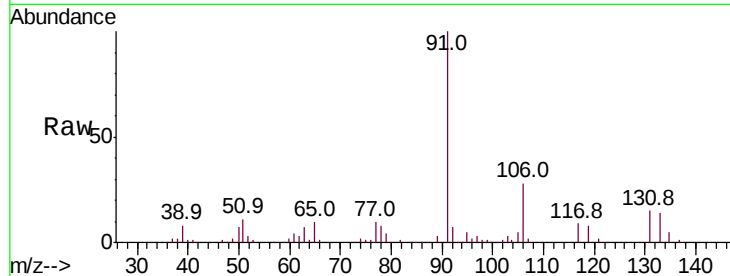




#67
Ethyl Benzene
Concen: 22.050 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

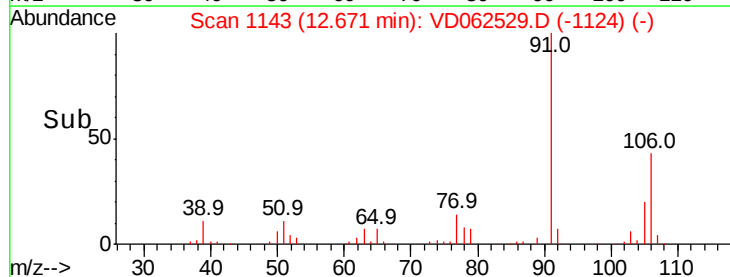
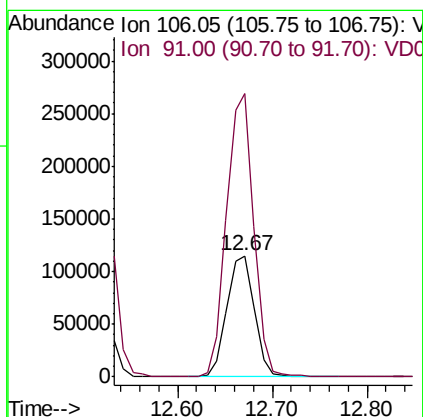
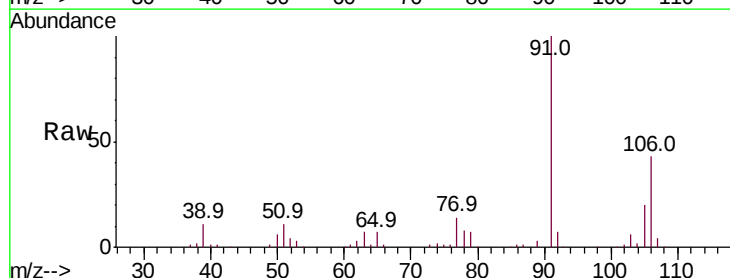
Instrument :
MSVOA_D
ClientSampleId :
VD0524SBS01

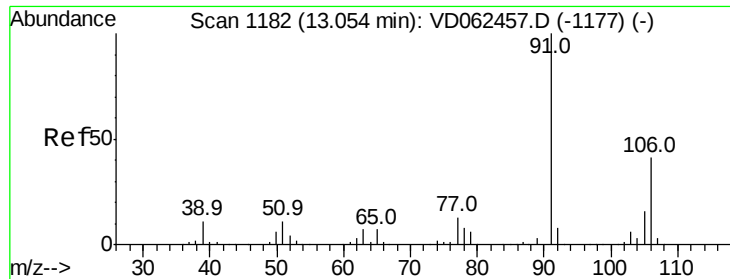
Tot Ion: 91 Resp: 334411
Ion Ratio Lower Upper
91 100
106 28.0 24.7 37.1



#68
m/p-Xylenes
Concen: 42.541 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

Tgt Ion: 106 Resp: 231594
Ion Ratio Lower Upper
106 100
91 234.0 164.0 246.0

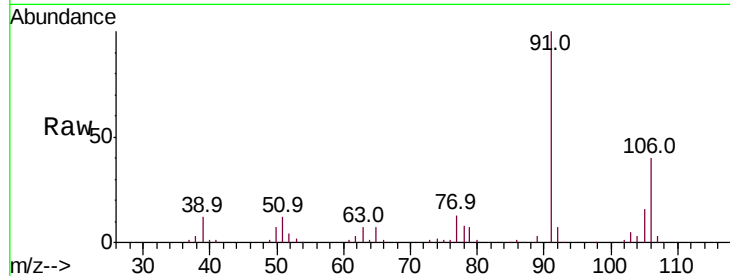




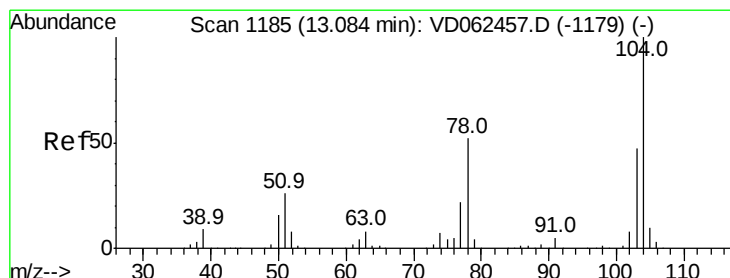
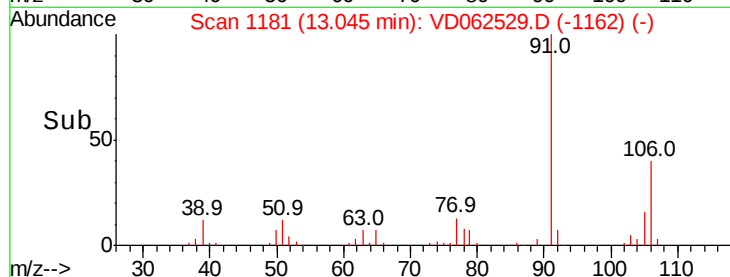
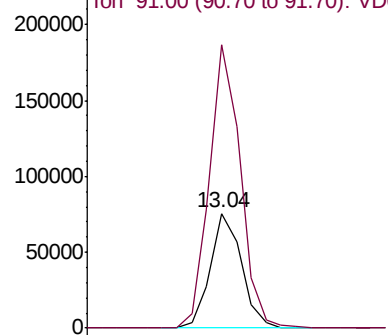
#69
o-Xylene
Concen: 21.101 ug/l
RT: 13.04 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

Instrument :
MSVOA_D
ClientSampleId :
VD0524SBSD01

Tot Ion:106 Resp: 108390
Ion Ratio Lower Upper
106 100
91 247.2 106.7 319.9

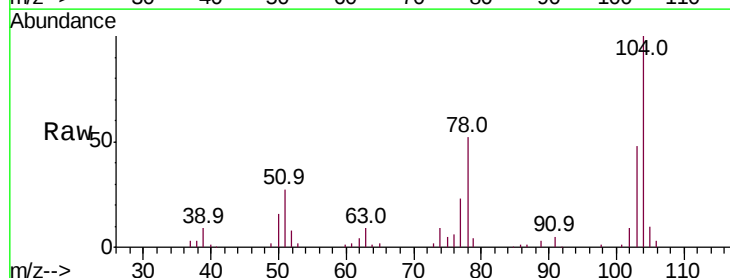


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

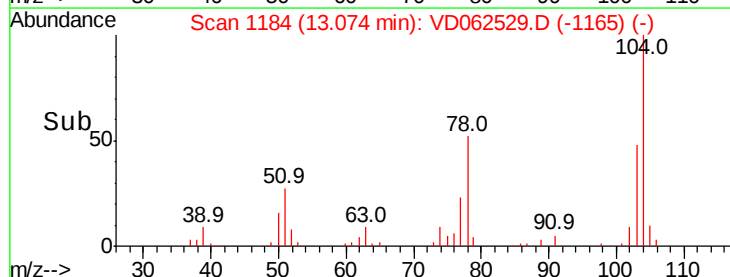
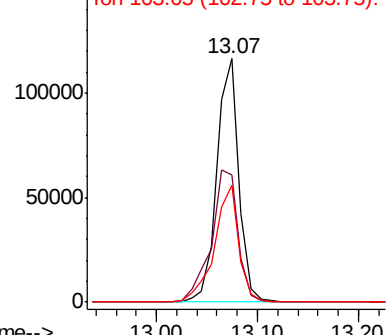


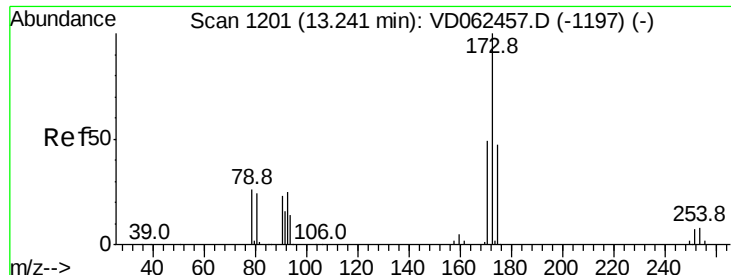
#70
Styrene
Concen: 20.193 ug/l
RT: 13.07 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

Tgt Ion:104 Resp: 176455
Ion Ratio Lower Upper
104 100
78 52.3 35.4 53.2
103 48.0 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

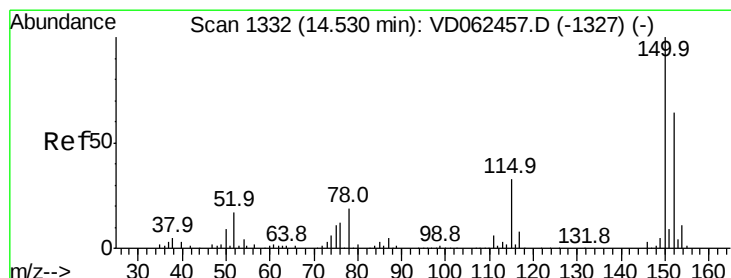
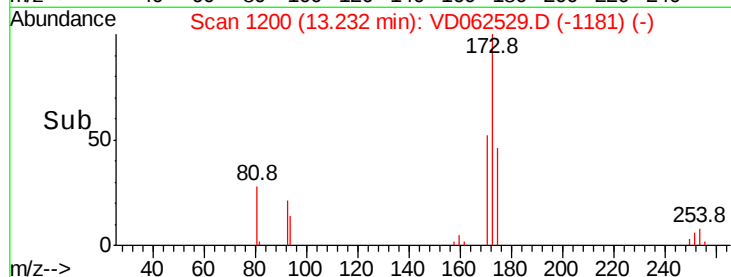
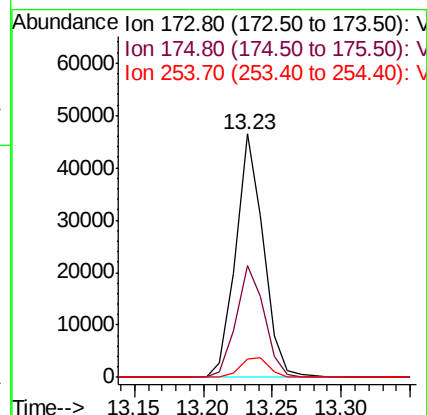
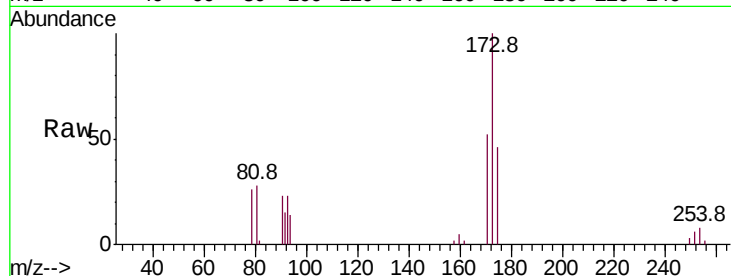




#71
Bromoform
Concen: 24.086 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

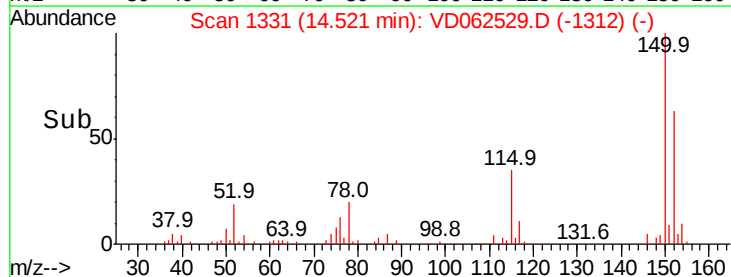
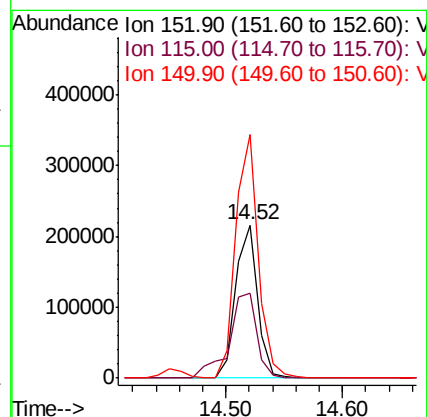
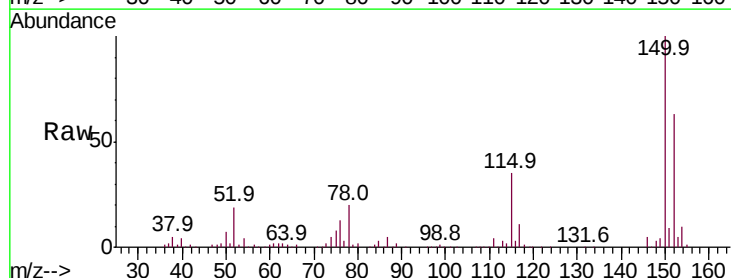
Instrument :
MSVOA_D
ClientSampleId :
VD0524SBSD01

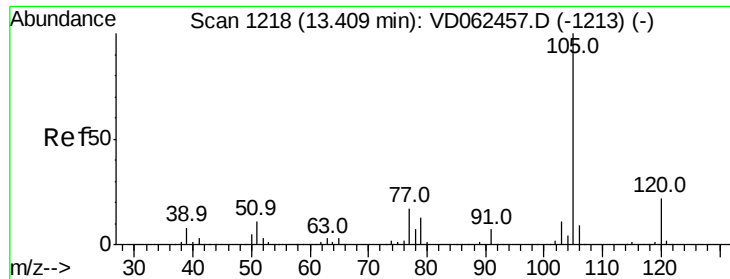
Tot Ion:173 Resp: 65014
Ion Ratio Lower Upper
173 100
175 46.1 24.4 73.4
254 7.7 5.4 8.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. -0.01 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

Tgt Ion:152 Resp: 282536
Ion Ratio Lower Upper
152 100
115 55.4 30.9 92.7
150 159.2 0.0 314.8





#73

Isopropylbenzene

Concen: 19.005 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

Instrument :

MSVOA_D

ClientSampleId :

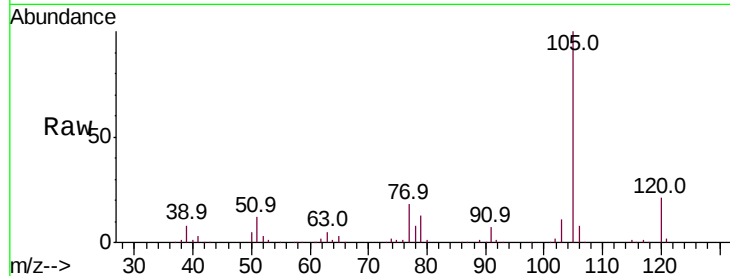
VD0524SBS01

Tot Ion:105 Resp: 338472

Ion Ratio Lower Upper

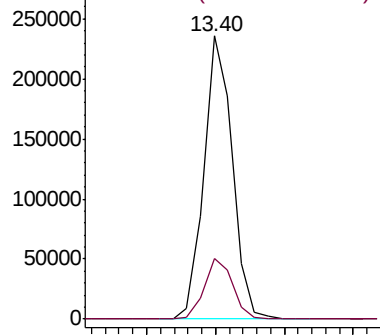
105 100

120 21.4 12.0 36.1

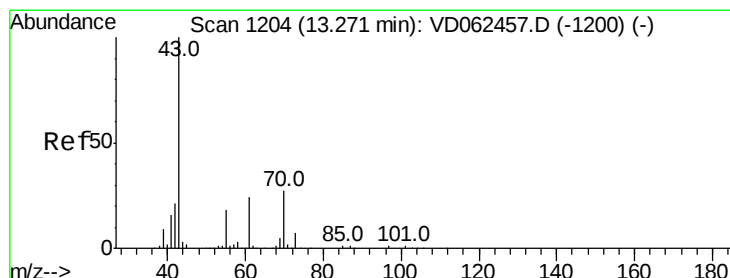
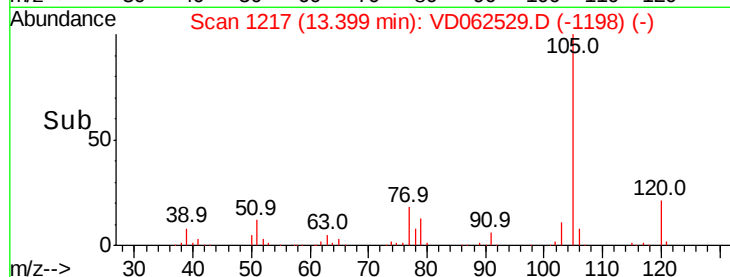


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time-->



#74

N-ethyl acetate

Concen: 17.501 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

Tgt Ion: 43 Resp: 76980

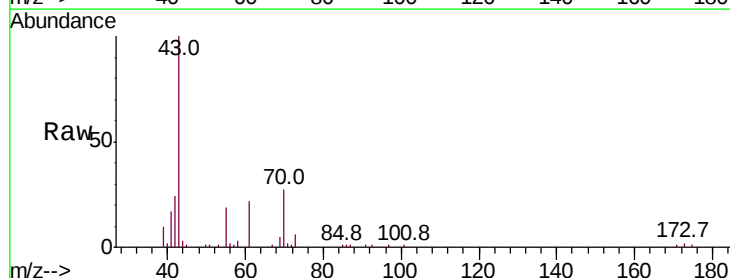
Ion Ratio Lower Upper

43 100

70 26.9 24.2 36.4

55 19.1 16.0 24.0

61 22.1 21.6 32.4

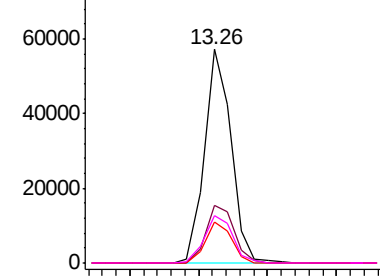


Abundance Ion 42.95 (42.65 to 43.65): VDC

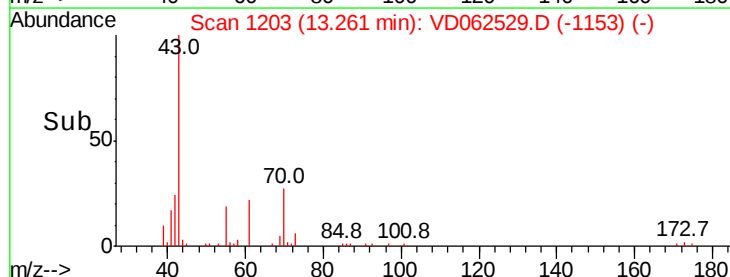
Ion 70.00 (69.70 to 70.70): VDC

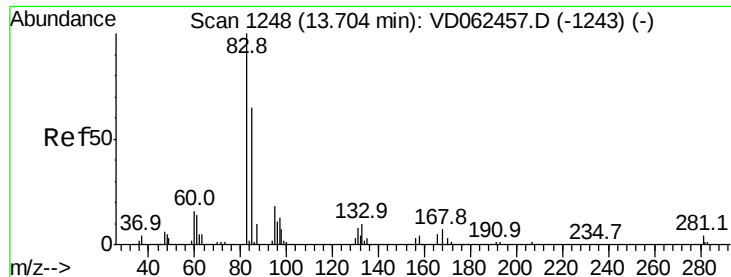
Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.636 ug/l

RT: 13.69 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBSD01

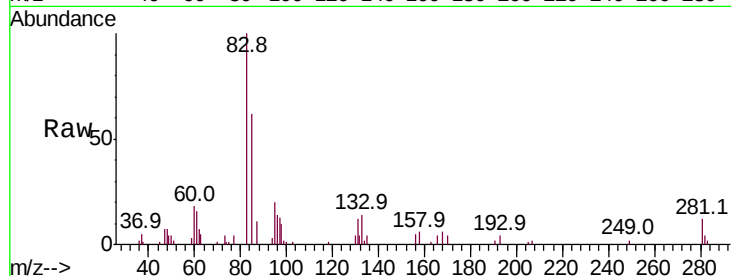
Tot Ion: 83 Resp: 56664

Ion Ratio Lower Upper

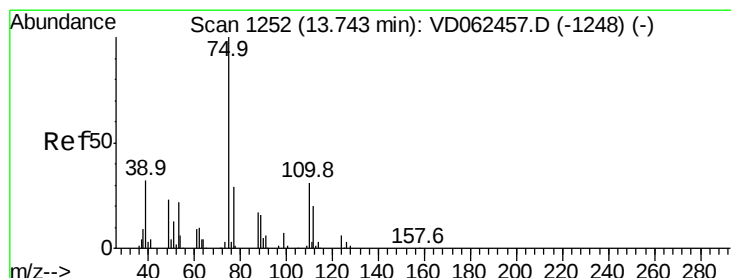
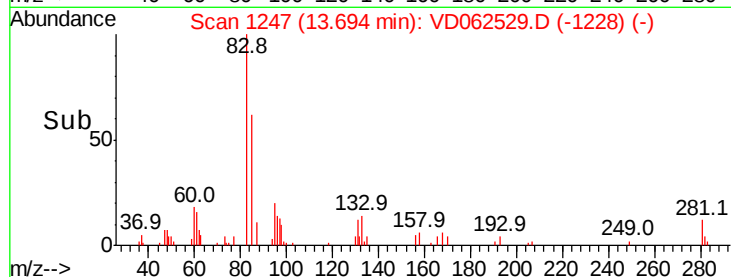
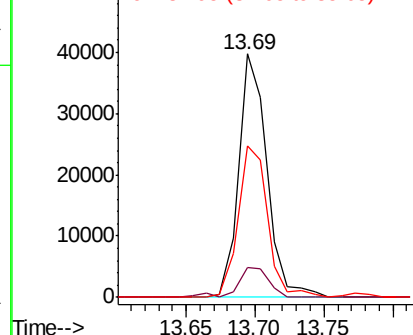
83 100

131 12.3 5.0 14.9

85 62.4 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.477 ug/l

RT: 13.73 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VD062529.D

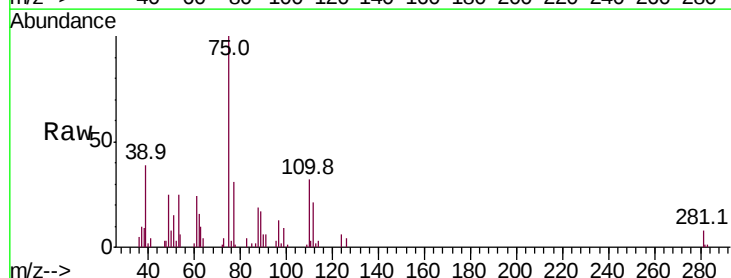
Acq: 24 May 2019 14:00

Tgt Ion: 75 Resp: 64818

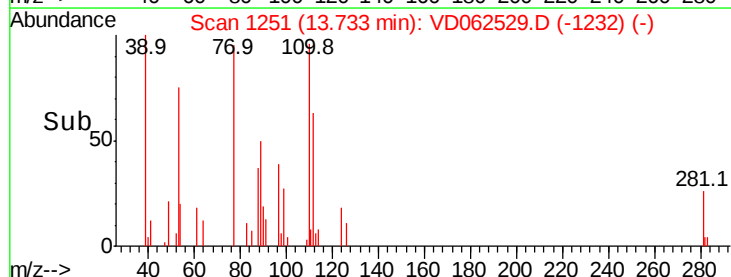
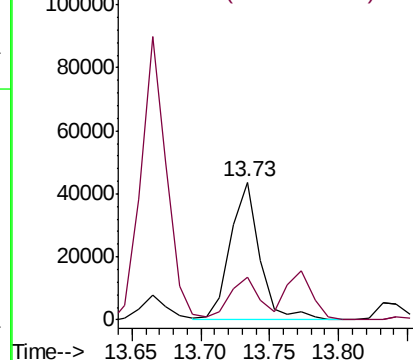
Ion Ratio Lower Upper

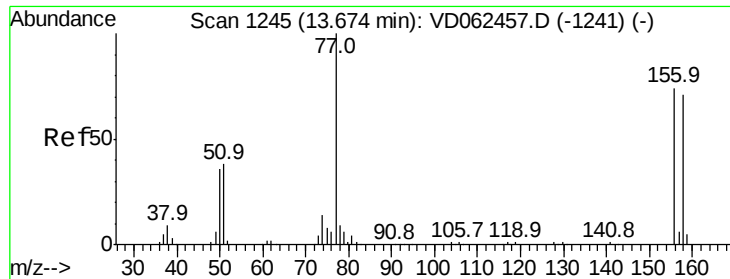
75 100

77 31.5 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 18.972 ug/l

RT: 13.66 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBS01

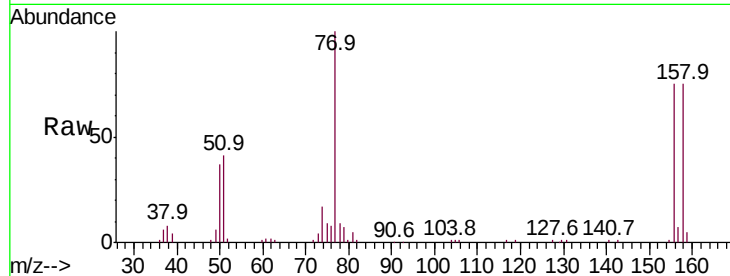
Tot Ion:156 Resp: 95846

Ion Ratio Lower Upper

156 100

77 133.9 53.1 159.4

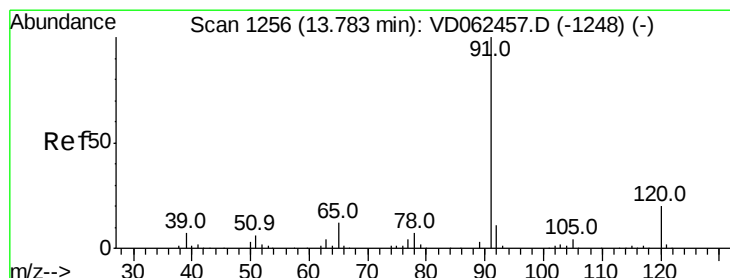
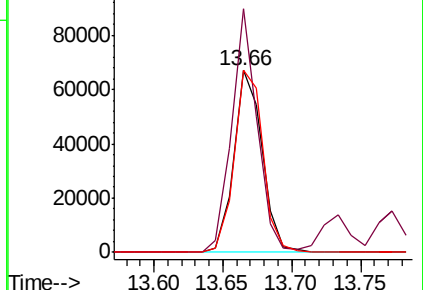
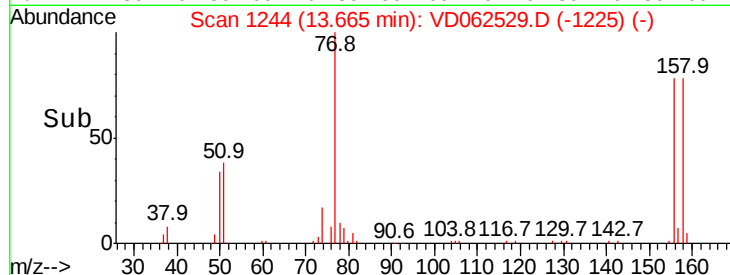
158 100.3 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.132 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VD062529.D

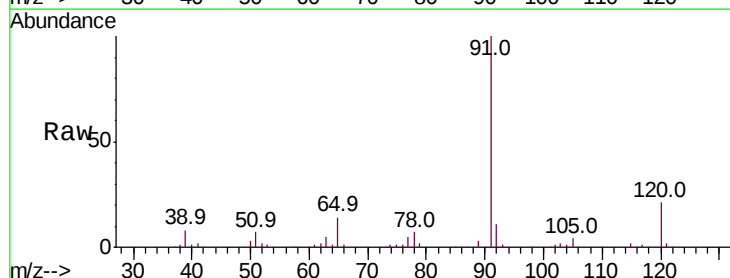
Acq: 24 May 2019 14:00

Tgt Ion: 91 Resp: 415313

Ion Ratio Lower Upper

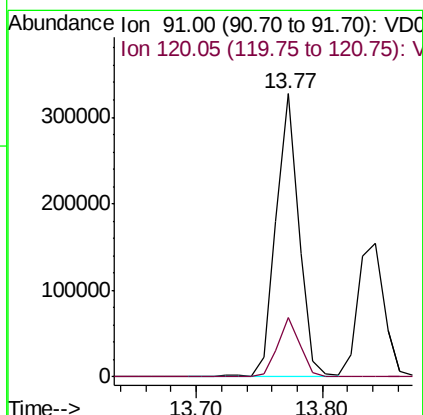
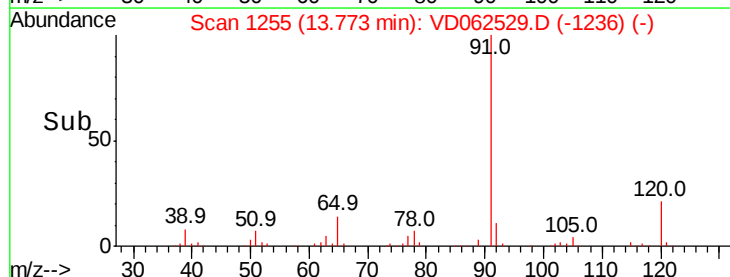
91 100

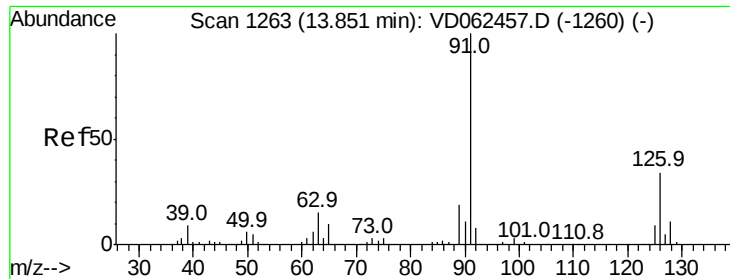
120 20.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 18.093 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. -0.01 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

Instrument :

MSVOA_D

ClientSampleId :

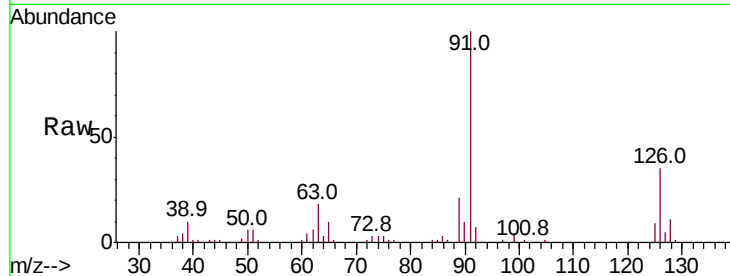
VD0524SBS01

Tot Ion: 91 Resp: 226511

Ion Ratio Lower Upper

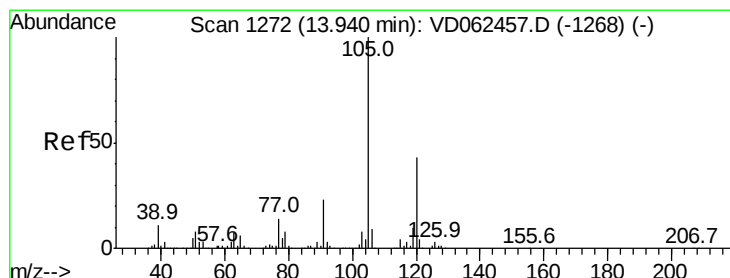
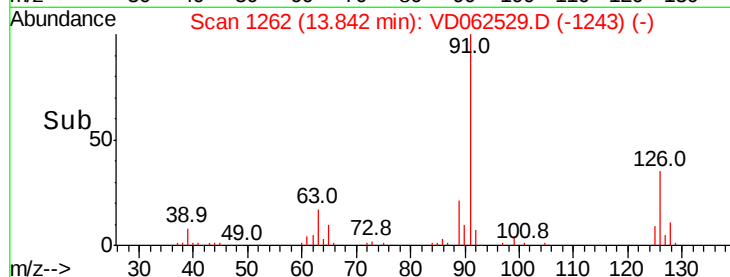
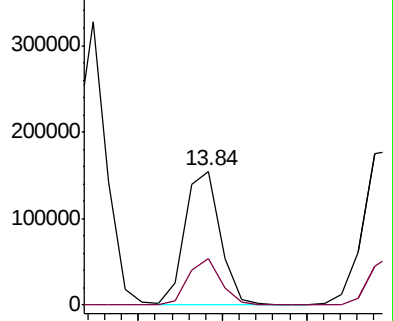
91 100

126 34.8 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 19.783 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD062529.D

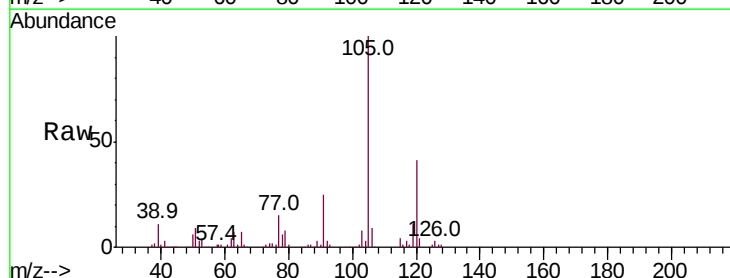
Acq: 24 May 2019 14:00

Tgt Ion:105 Resp: 305064

Ion Ratio Lower Upper

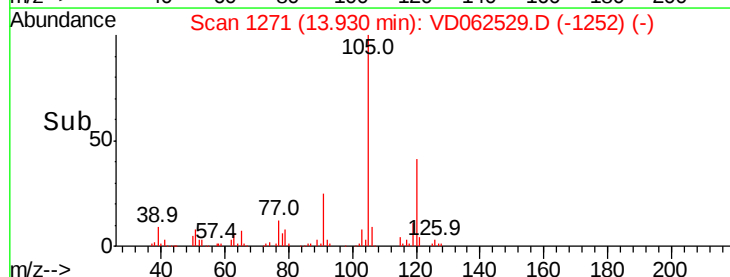
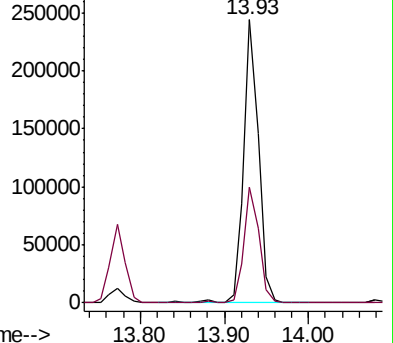
105 100

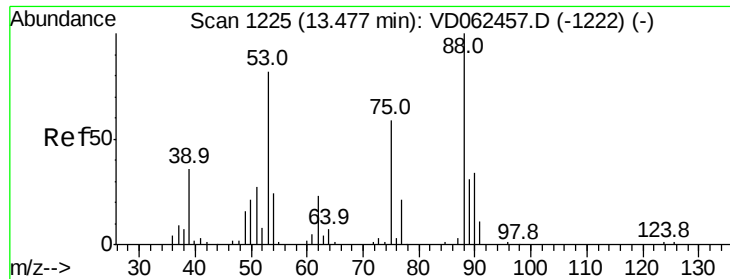
120 41.1 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.253 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBSD01

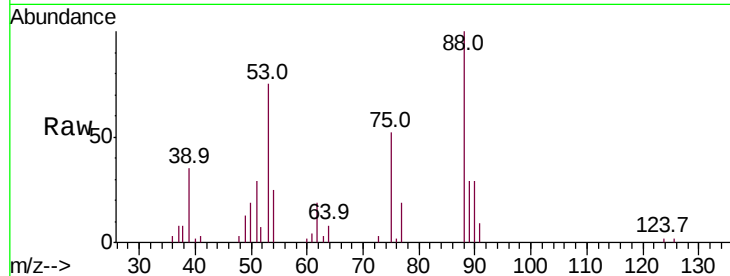
Tot Ion: 75 Resp: 17132

Ion Ratio Lower Upper

75 100

53 144.0 65.8 98.8#

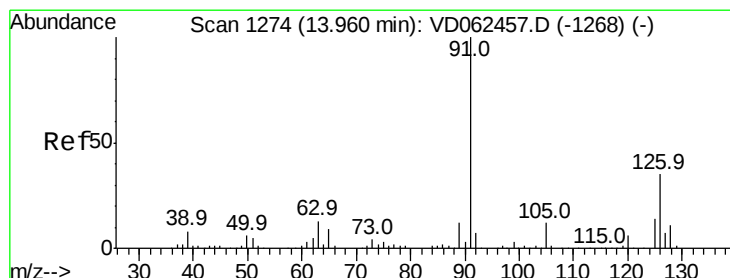
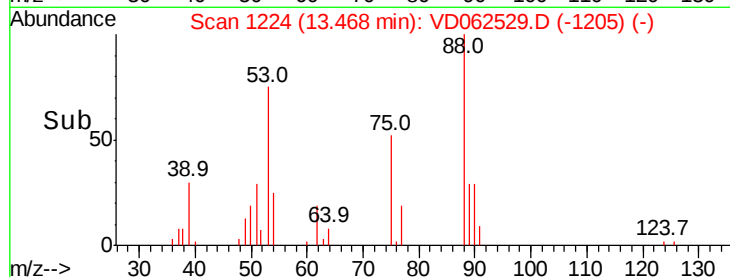
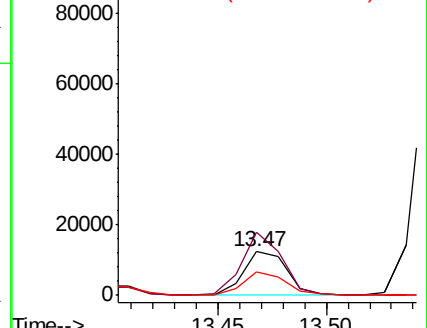
89 54.9 35.0 52.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 19.831 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VD062529.D

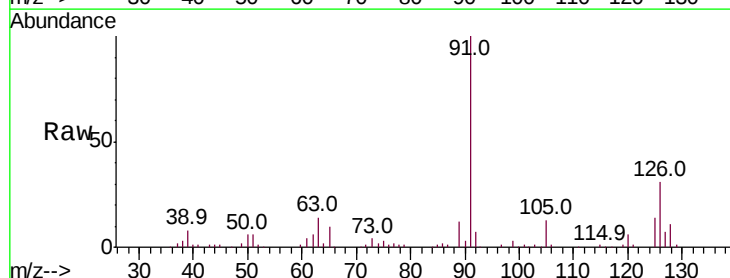
Acq: 24 May 2019 14:00

Tgt Ion: 91 Resp: 285916

Ion Ratio Lower Upper

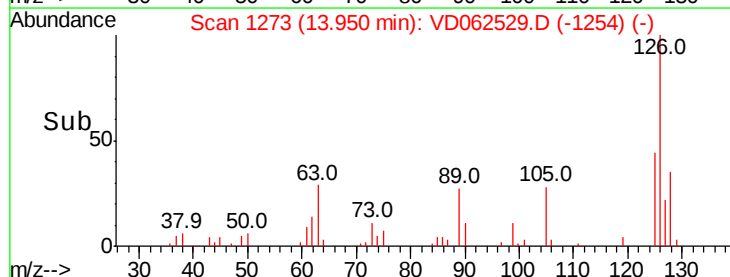
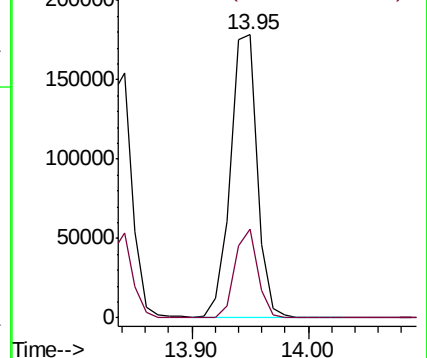
91 100

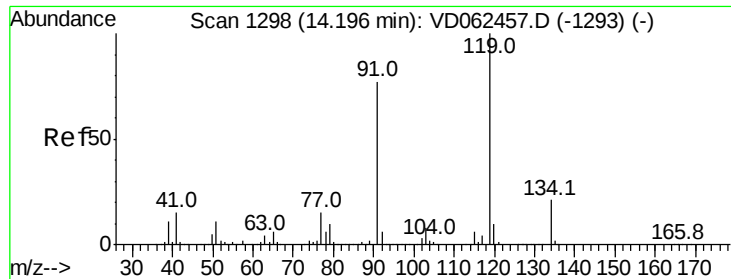
126 31.2 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

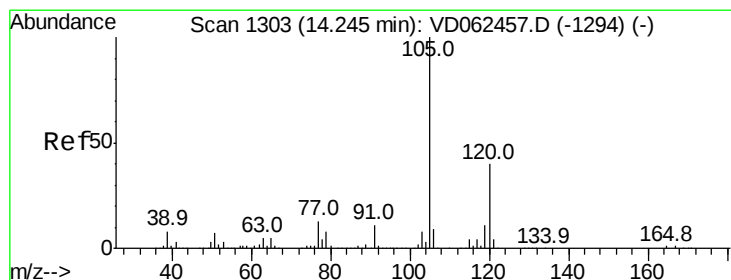
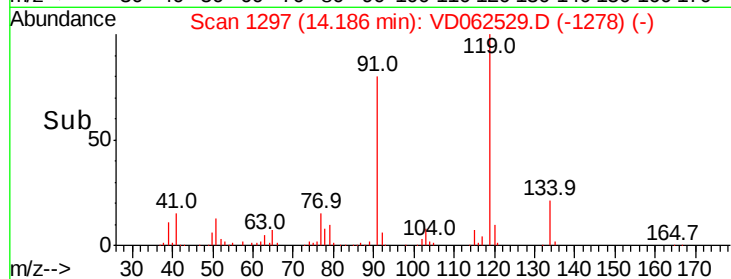
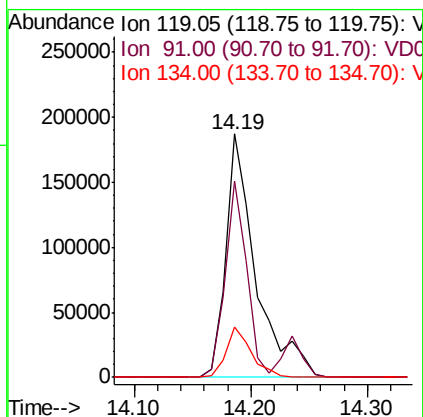
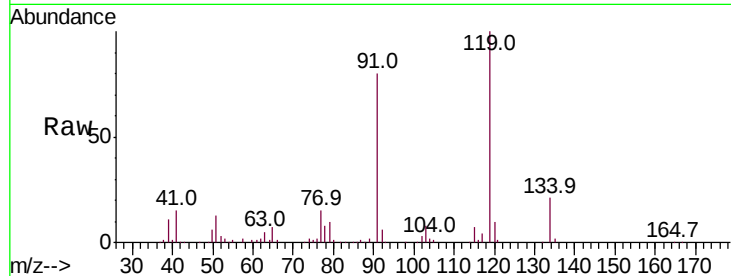




#83
tert-Butylbenzene
Concen: 19.455 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.01 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

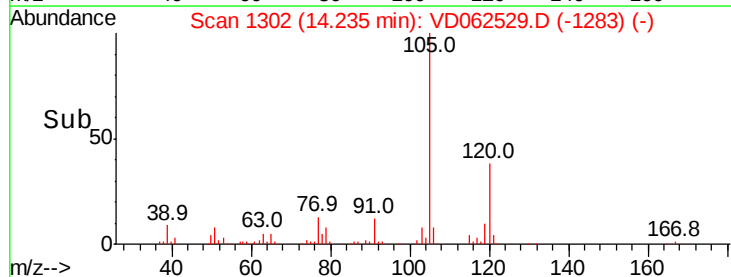
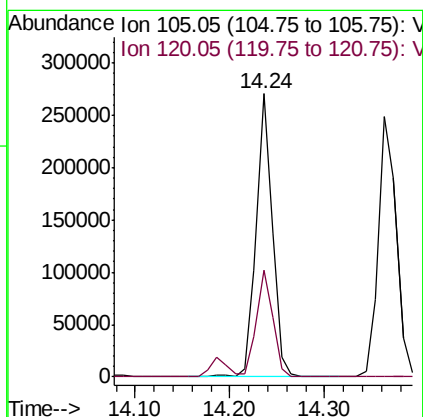
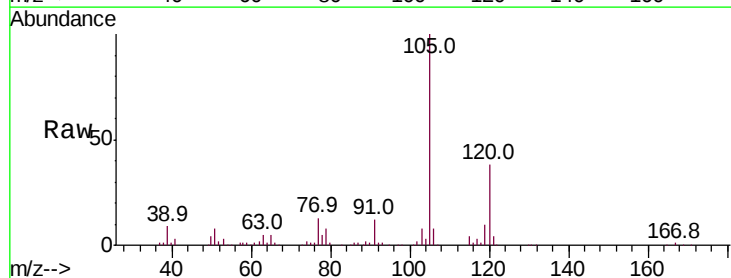
Instrument :
MSVOA_D
ClientSampleId :
VD0524SBSD01

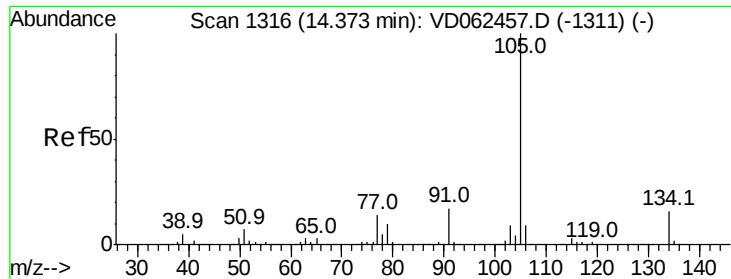
Tot Ion:119 Resp: 332776
Ion Ratio Lower Upper
119 100
91 80.5 34.2 102.6
134 20.8 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 20.361 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.01 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

Tgt Ion:105 Resp: 321716
Ion Ratio Lower Upper
105 100
120 37.8 23.1 69.2





#85

sec-Butylbenzene

Concen: 18.588 ug/l

RT: 14.36 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

Instrument :

MSVOA_D

ClientSampleId :

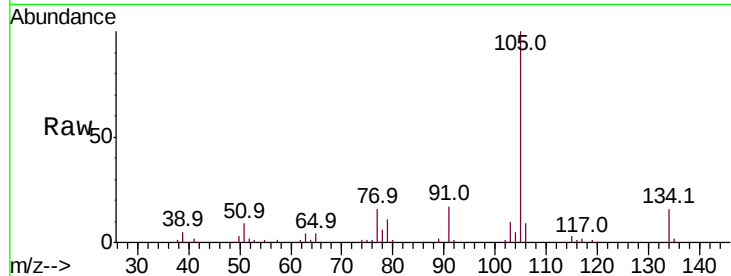
VD0524SBSD01

Tot Ion:105 Resp: 331518

Ion Ratio Lower Upper

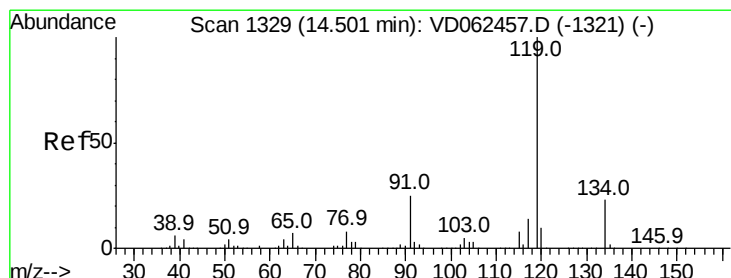
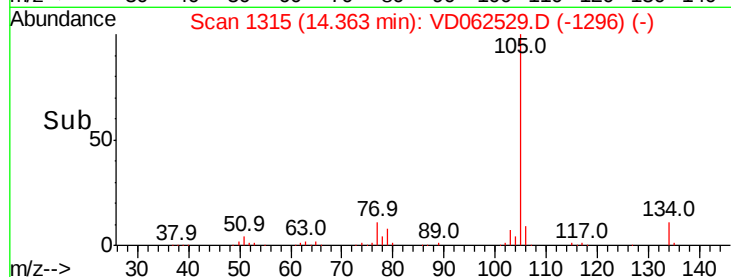
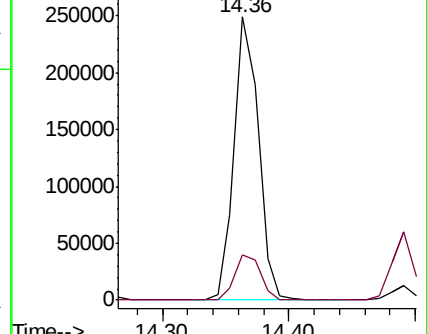
105 100

134 15.9 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.845 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. -0.01 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

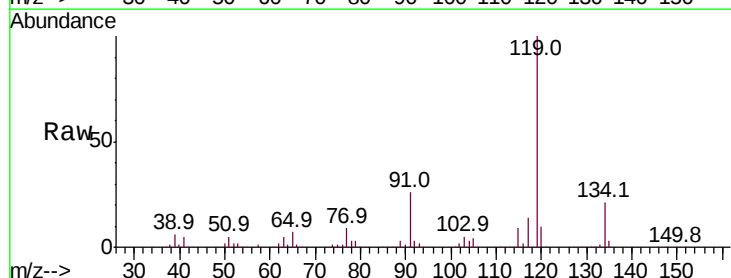
Tgt Ion:119 Resp: 336910

Ion Ratio Lower Upper

119 100

134 21.4 12.8 38.3

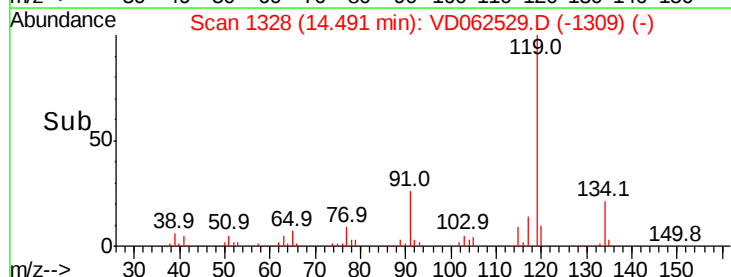
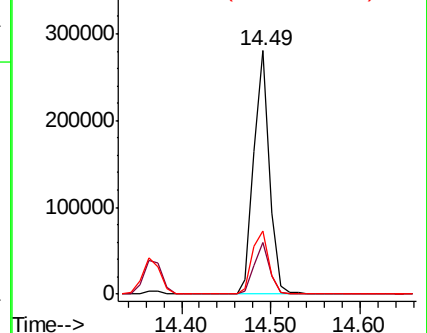
91 25.7 10.7 32.1

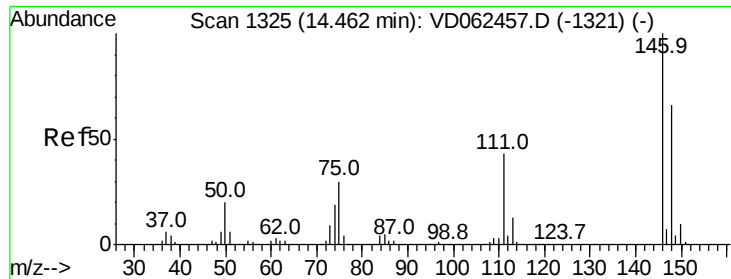


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

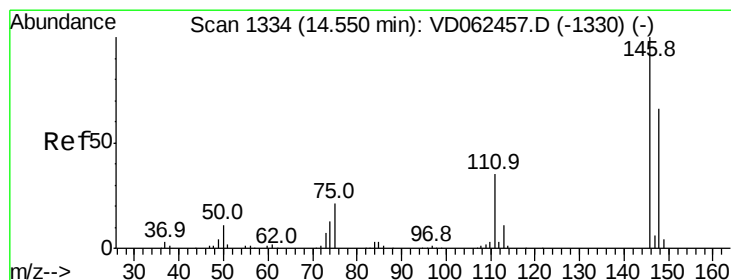
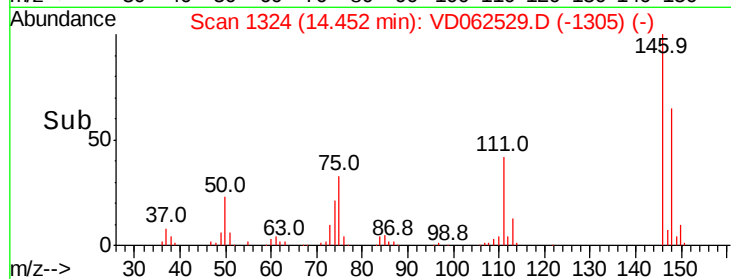
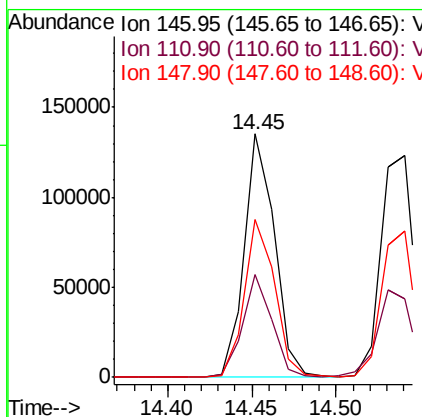
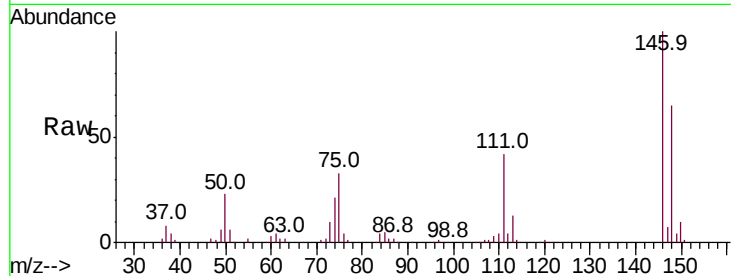




#87
 1,3-Dichlorobenzene
 Concen: 18.923 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD062529.D
 Acq: 24 May 2019 14:00

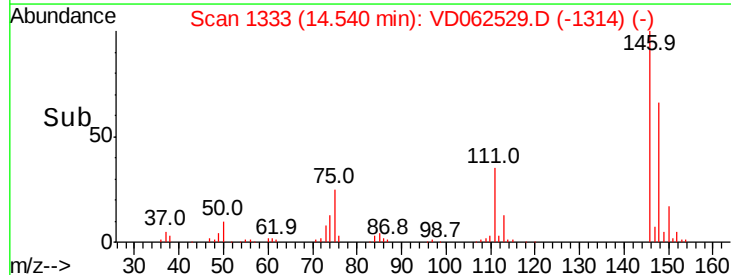
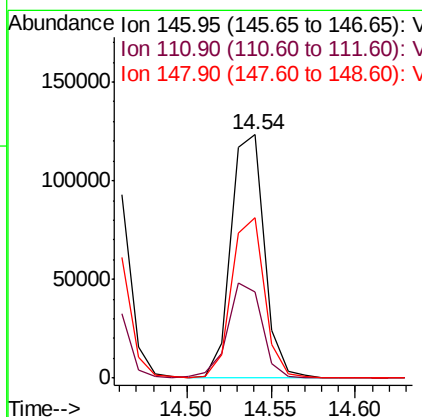
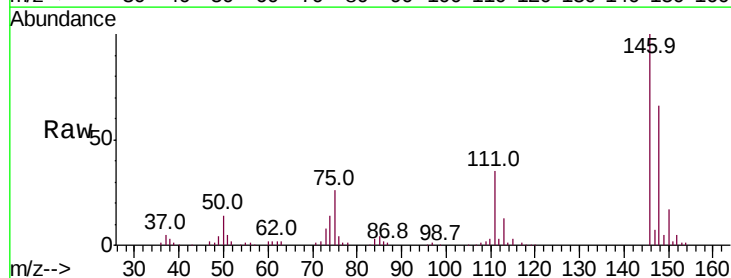
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBSD01

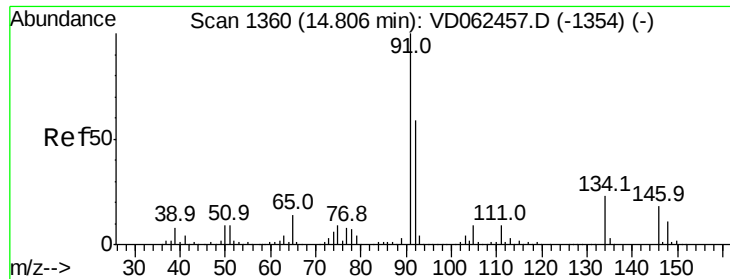
Tot Ion:146 Resp: 168829
 Ion Ratio Lower Upper
 146 100
 111 42.4 20.0 60.0
 148 65.0 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.722 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VD062529.D
 Acq: 24 May 2019 14:00

Tgt Ion:146 Resp: 169794
 Ion Ratio Lower Upper
 146 100
 111 35.4 20.2 60.5
 148 65.7 32.0 96.2





#89

n-Butylbenzene

Concen: 18.970 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD062529.D

Acq: 24 May 2019 14:00

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBS01

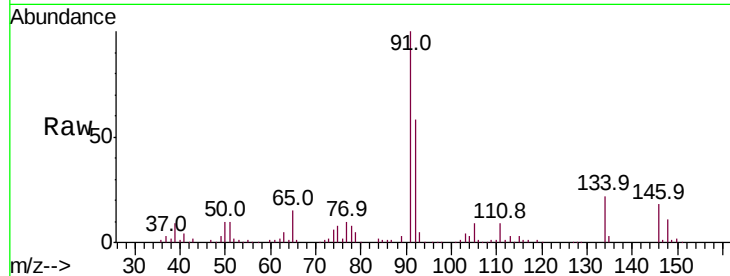
Tot Ion: 91 Resp: 295899

Ion	Ratio	Lower	Upper
91	100		
92	57.8	30.3	91.0
134	22.1	14.5	43.6

91 100

92 57.8 30.3 91.0

134 22.1 14.5 43.6

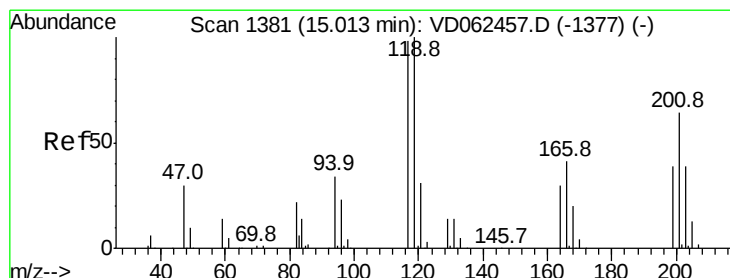
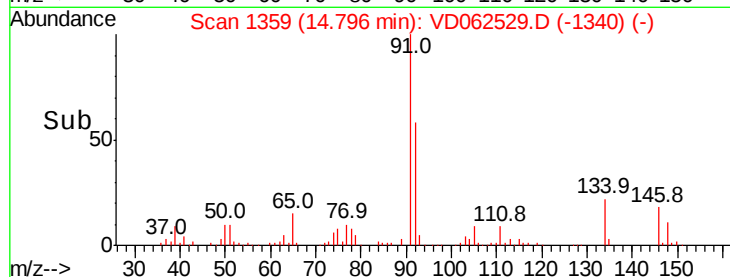


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V

Time-->



#90

Hexachloroethane

Concen: 19.508 ug/l

RT: 15.00 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD062529.D

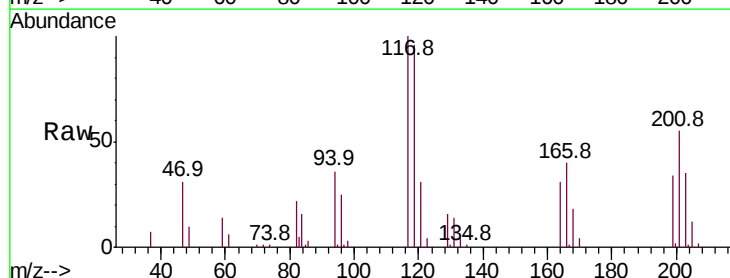
Acq: 24 May 2019 14:00

Tgt Ion: 117 Resp: 87141

Ion	Ratio	Lower	Upper
117	100		
201	54.8	30.2	90.6

117 100

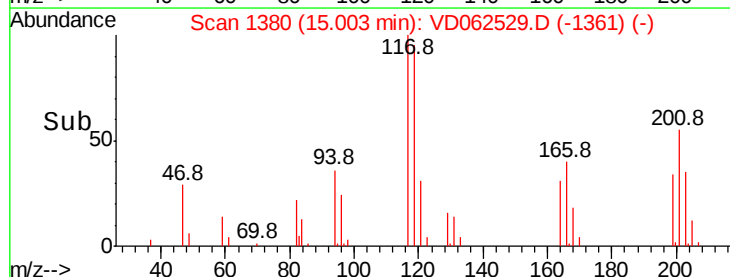
201 54.8 30.2 90.6

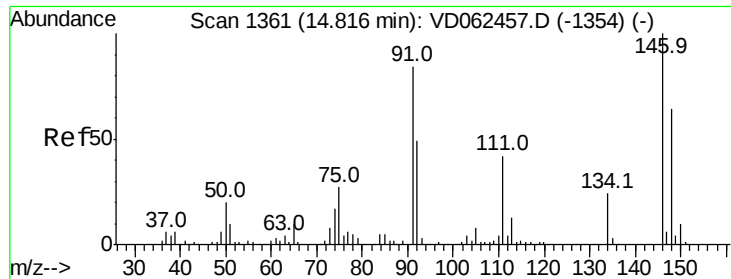


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

Time-->

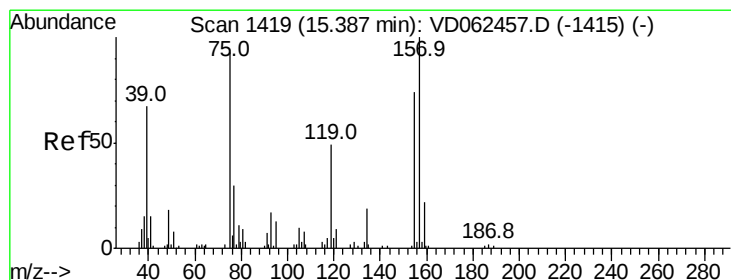
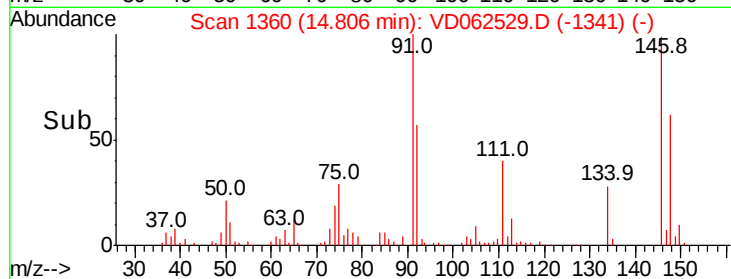
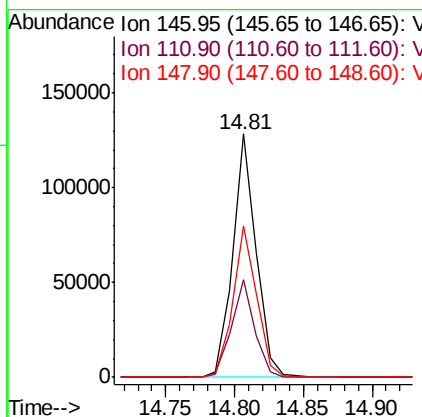
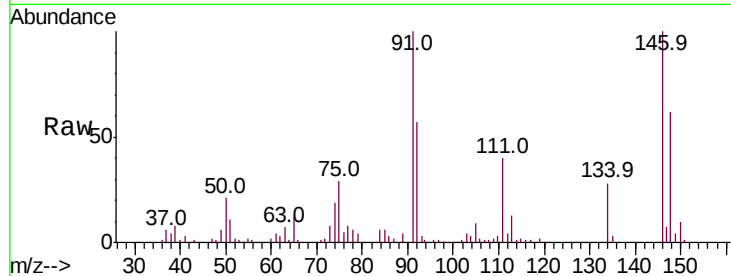




#91
 1,2-Dichlorobenzene
 Concen: 19.982 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: VD062529.D
 Acq: 24 May 2019 14:00

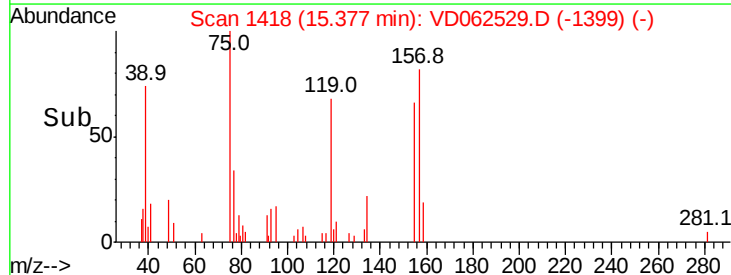
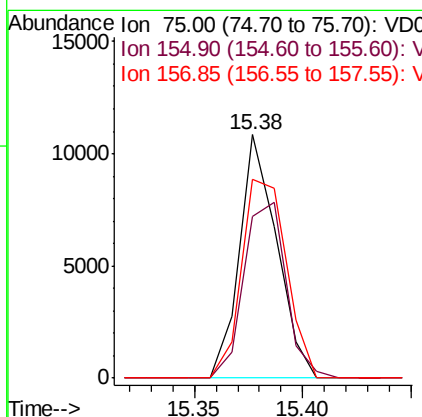
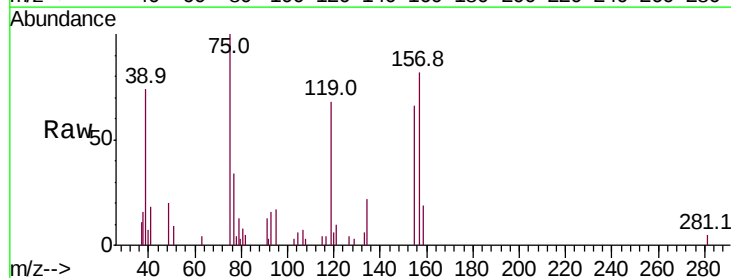
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBSD01

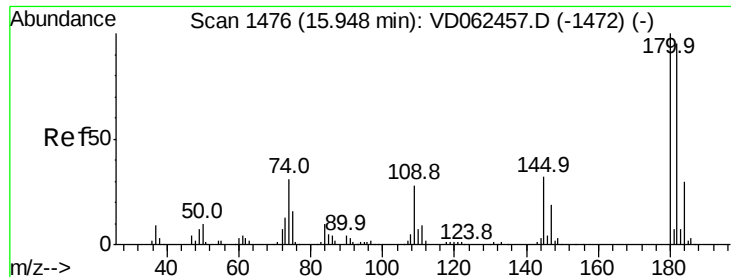
Tot Ion:146 Resp: 151591
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.0 59.9
 148 62.0 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.313 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: VD062529.D
 Acq: 24 May 2019 14:00

Tgt Ion: 75 Resp: 12998
 Ion Ratio Lower Upper
 75 100
 155 66.2 55.3 165.8
 157 81.8 67.8 203.2

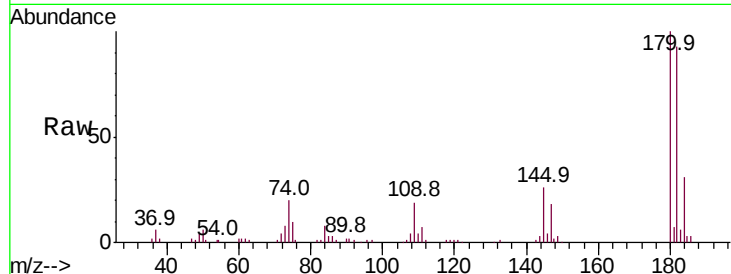




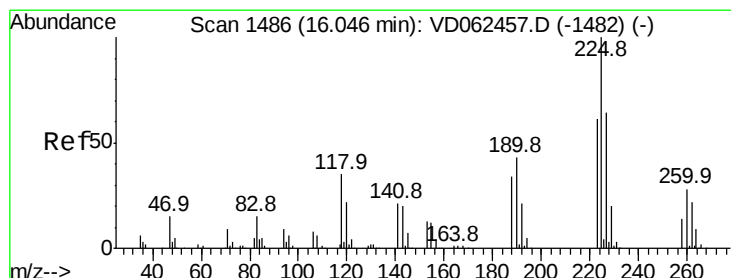
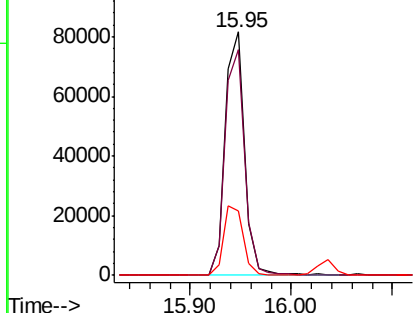
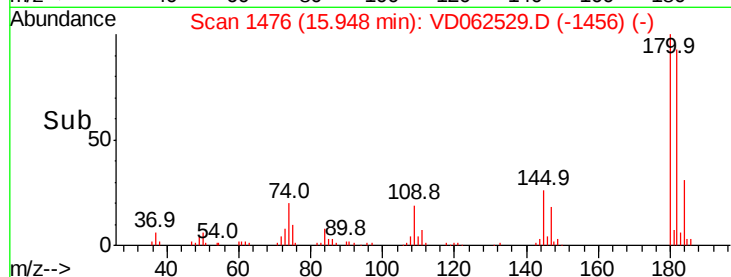
#93
 1,2,4-Trichlorobenzene
 Concen: 18.184 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VD062529.D
 Acq: 24 May 2019 14:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBSD01

Tot Ion:180 Resp: 108620
 Ion Ratio Lower Upper
 180 100
 182 92.7 49.3 147.8
 145 26.3 16.2 48.6

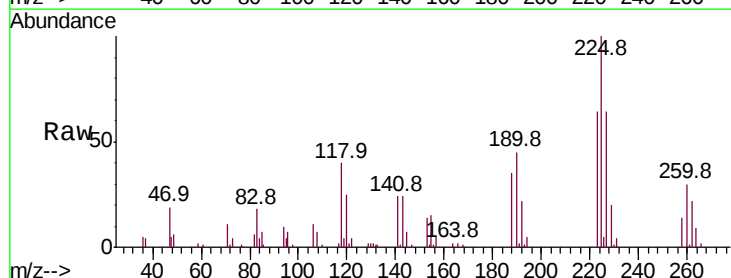


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

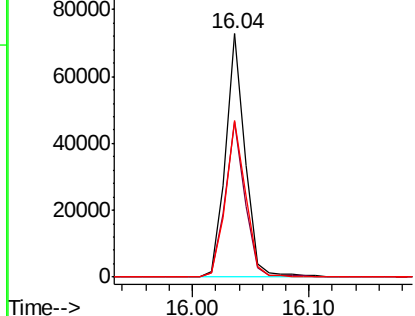
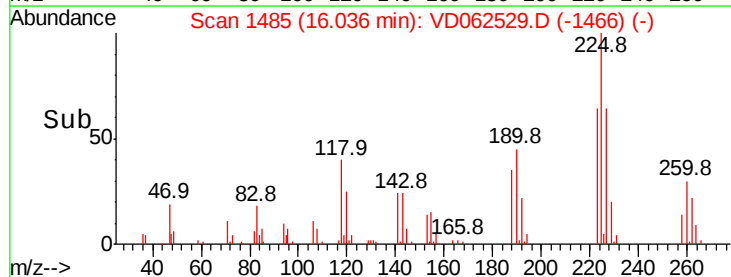


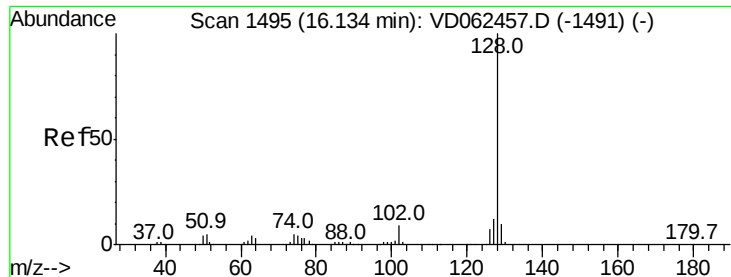
#94
 Hexachlorobutadiene
 Concen: 19.194 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD062529.D
 Acq: 24 May 2019 14:00

Tgt Ion:225 Resp: 84659
 Ion Ratio Lower Upper
 225 100
 223 64.0 30.6 92.0
 227 64.2 32.0 96.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

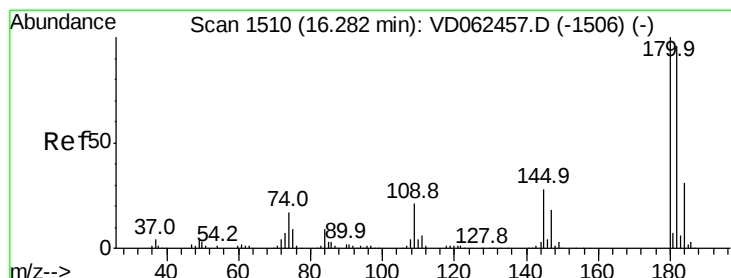
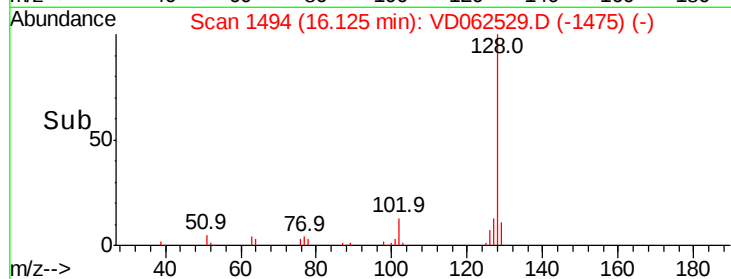
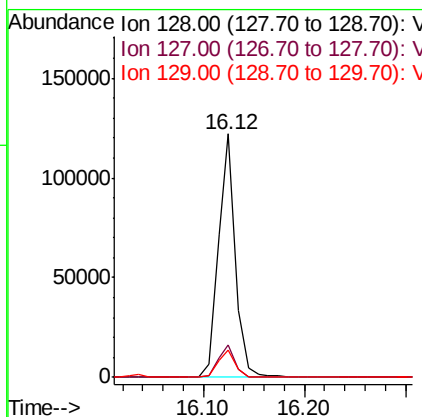
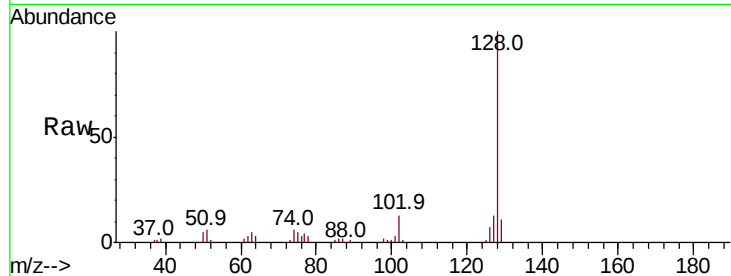




#95
Naphthalene
Concen: 17.589 ug/l
RT: 16.12 min Scan# 1494
Delta R.T. -0.01 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

Instrument :
MSVOA_D
ClientSampleId :
VD0524SBSD01

Tot Ion:128 Resp: 143565
Ion Ratio Lower Upper
128 100
127 13.3 9.8 14.8
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 16.957 ug/l
RT: 16.27 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

Tgt Ion:180 Resp: 83038
Ion Ratio Lower Upper
180 100
182 103.8 47.0 141.0
145 30.6 17.0 51.0

