

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			Recovery	=	110.02%	
35) Dibromofluoromethane	6.92	113	264136	52.22	ug/l	-0.02
Spiked Amount			Recovery	=	104.44%	
50) Toluene-d8	10.41	98	538464	48.64	ug/l	-0.02
Spiked Amount			Recovery	=	97.28%	
62) 4-Bromofluorobenzene	13.56	95	237981	49.15	ug/l	0.00
Spiked Amount			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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 Sample : VD0524SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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Quant Time: May 24 22:08:59 2019
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 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

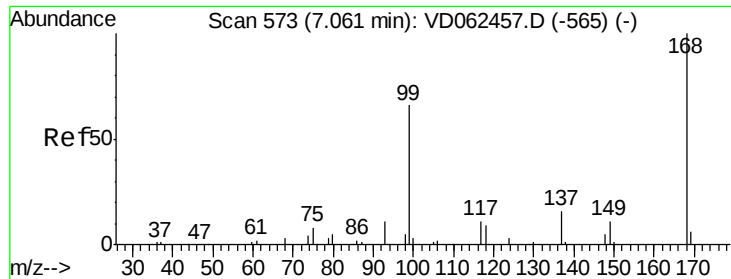
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052419\
Data File : VD062529.D
Acq On : 24 May 2019 14:00
Operator : VA/AP
Sample : VD0524SBSD01
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Quant Time: May 24 22:08:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : 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

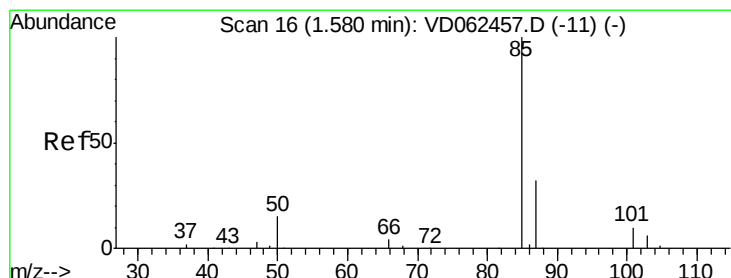
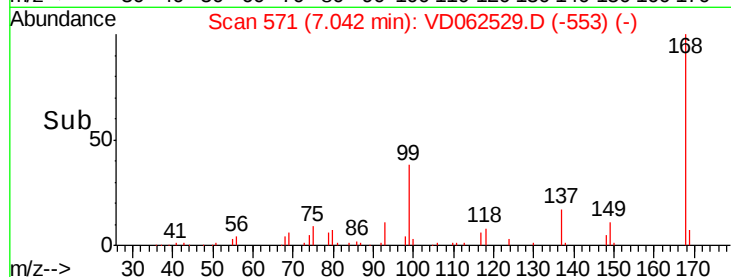
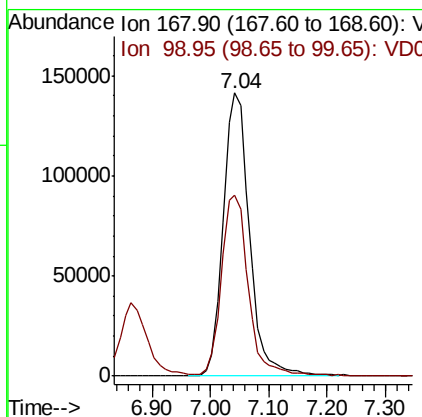
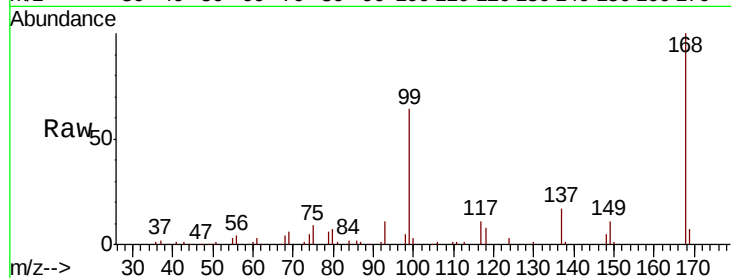
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#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

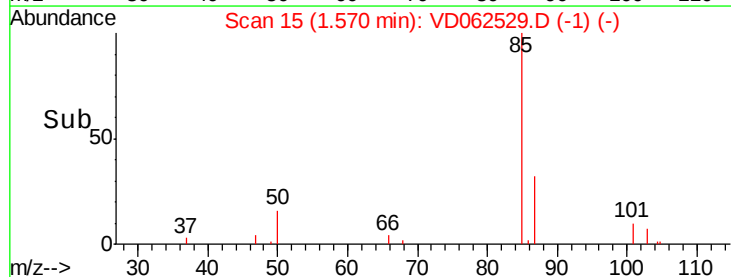
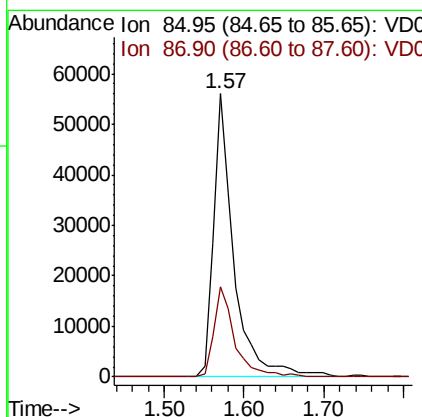
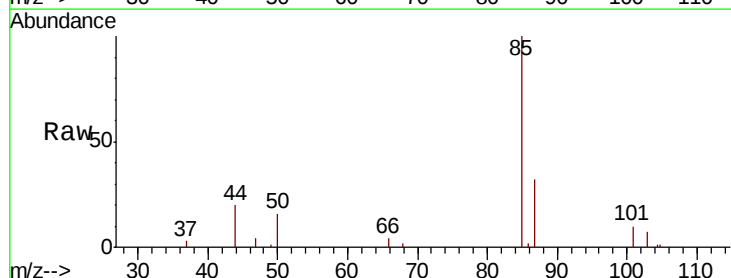
Instrument :
MSVOA_D
ClientSampleId :
VD0524SBSD01

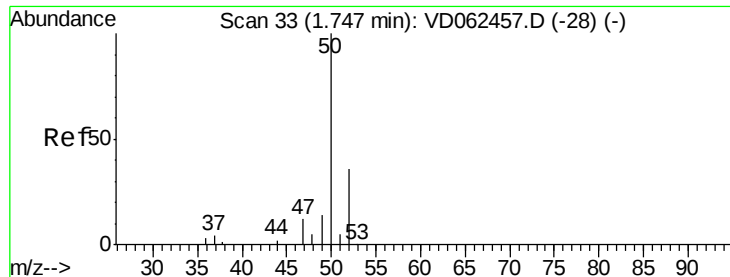
Tot Ion:168 Resp: 443114
Ion Ratio Lower Upper
168 100
99 64.0 46.5 69.7



#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





#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 :

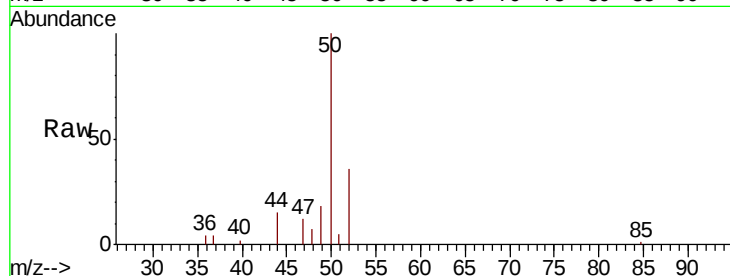
VD0524SBSD01

Tot Ion: 50 Resp: 64122

Ion Ratio Lower Upper

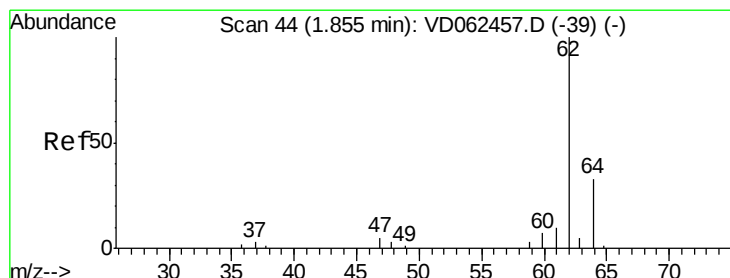
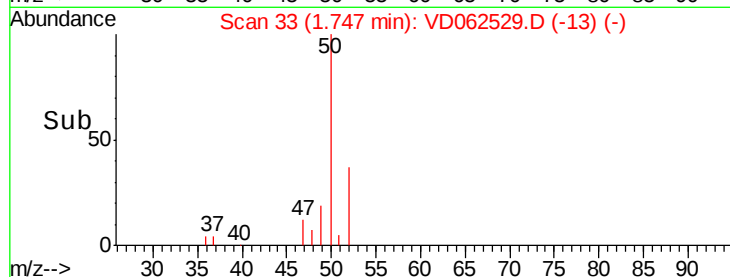
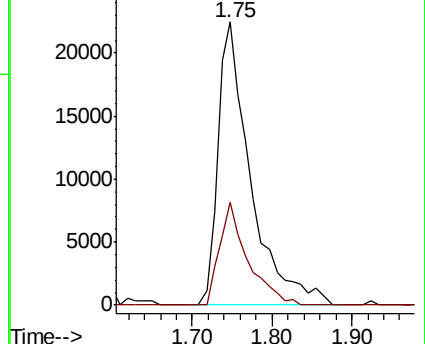
50 100

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

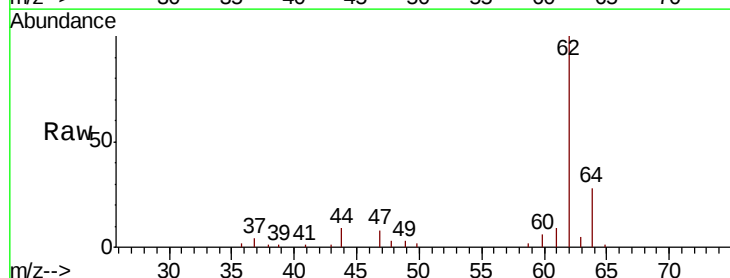
Acq: 24 May 2019 14:00

Tgt Ion: 62 Resp: 74550

Ion Ratio Lower Upper

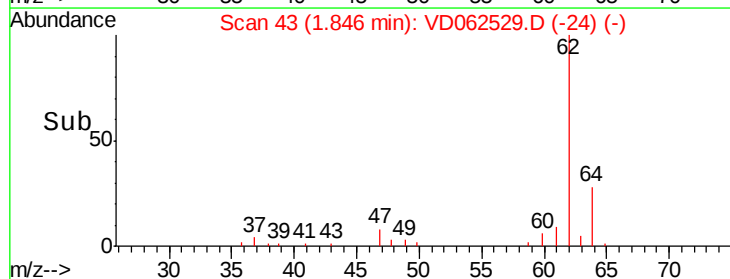
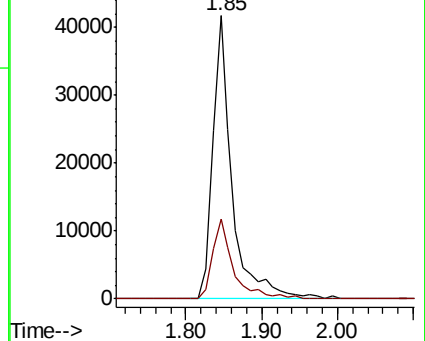
62 100

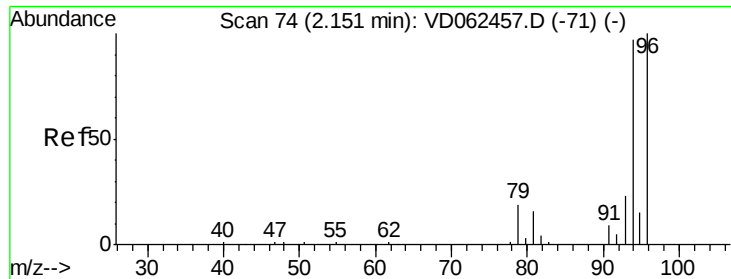
64 28.1 26.5 39.7



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

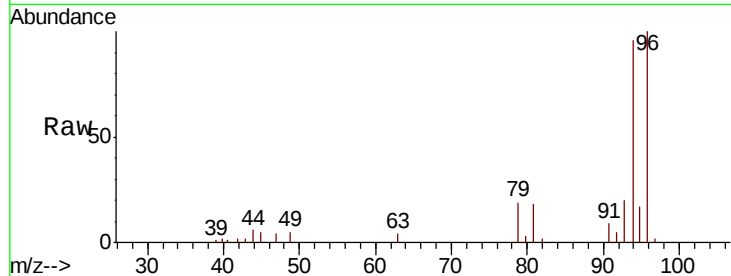
Tot Ion: 94 Resp: 36077

Ion Ratio Lower Upper

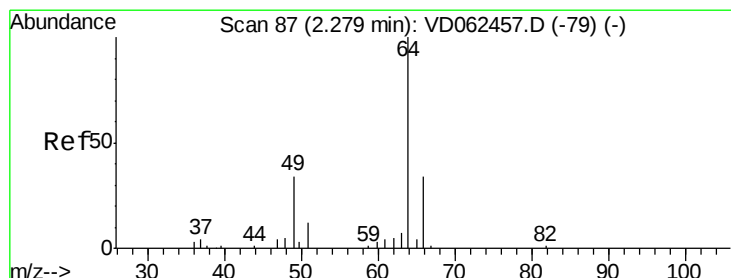
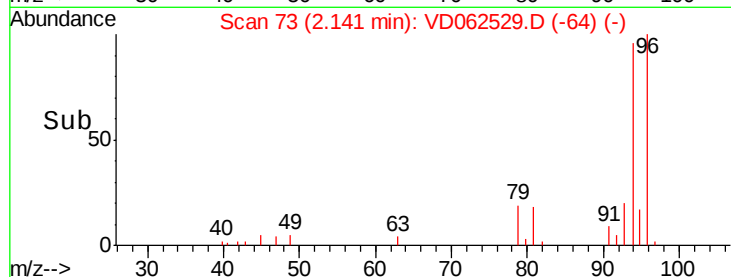
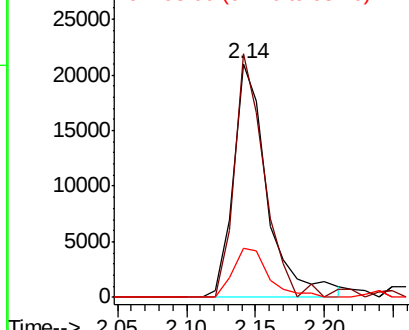
94 100

96 104.2 76.6 115.0

93 21.2 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 26.714 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.03 min

Lab File: VD062529.D

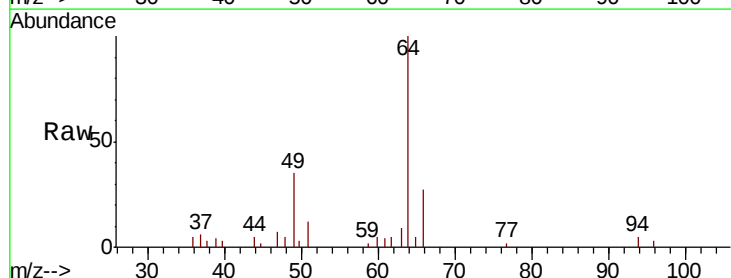
Acq: 24 May 2019 14:00

Tgt Ion: 64 Resp: 41743

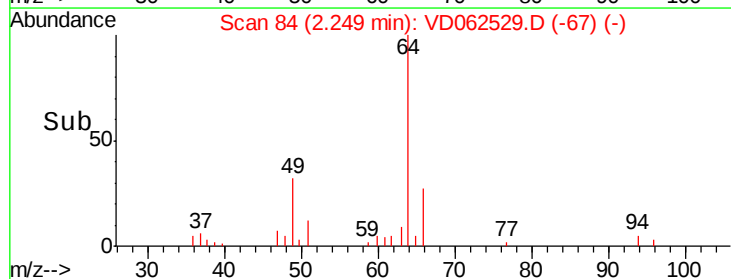
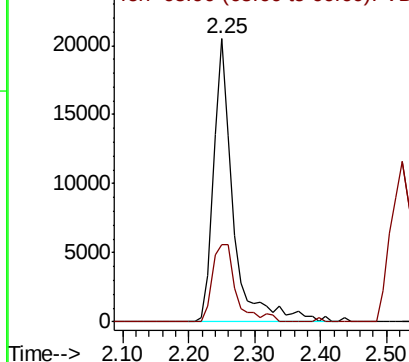
Ion Ratio Lower Upper

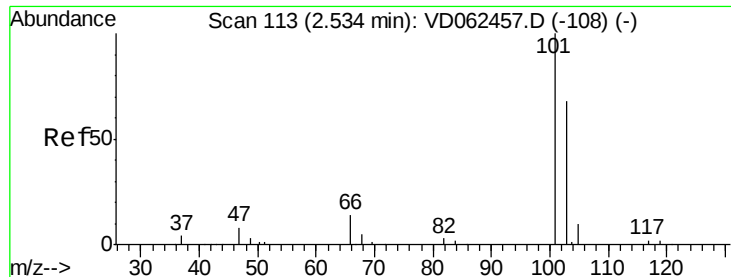
64 100

66 27.4 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



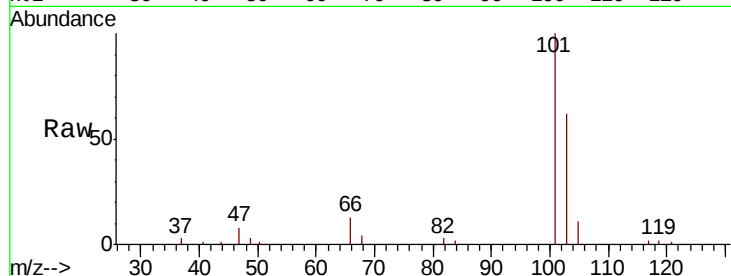


#7

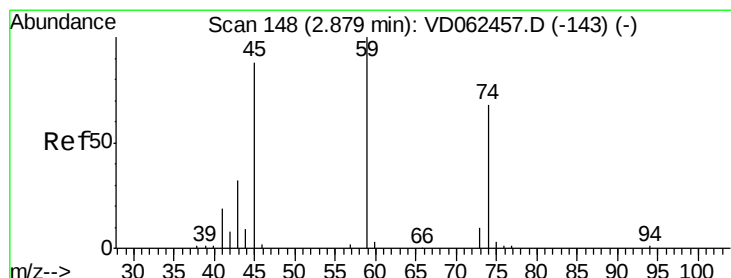
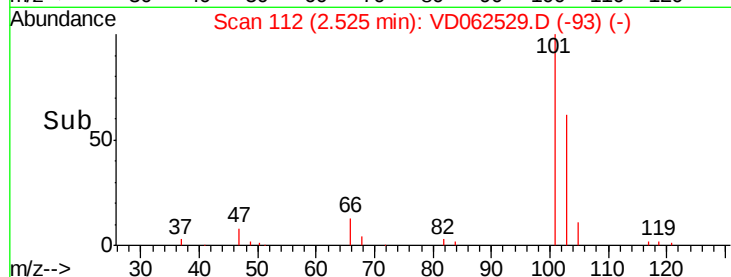
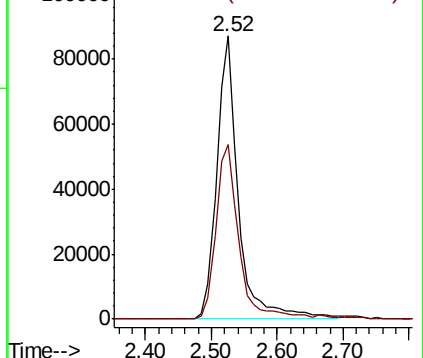
Trichlorofluoromethane
Concen: 26.572 ug/l
RT: 2.52 min Scan# 112
Delta R.T. -0.01 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

Instrument :
MSVOA_D
ClientSampleId :
VD0524SBSD01

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



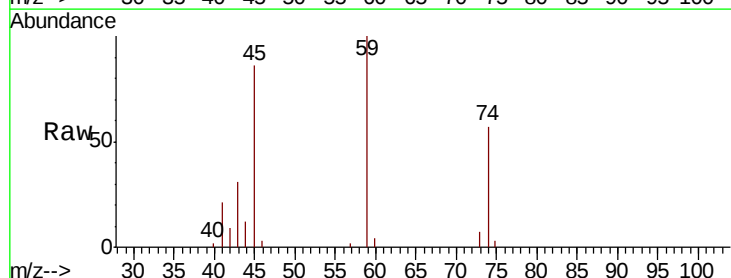
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



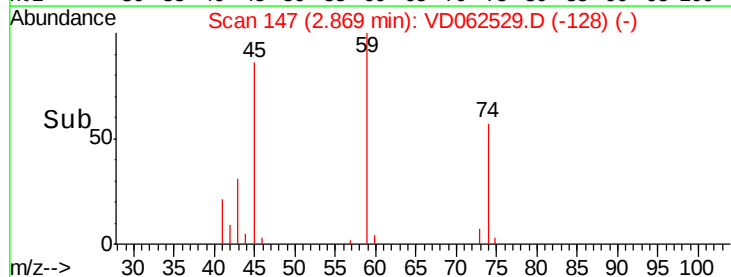
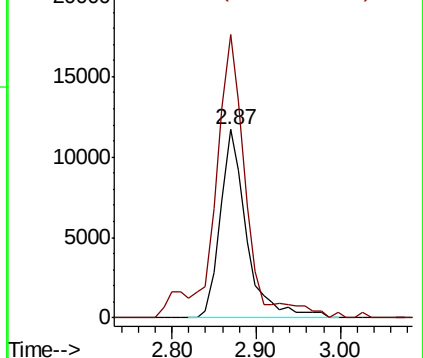
#8

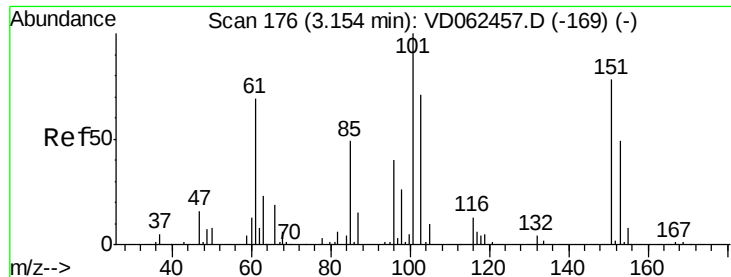
Diethyl Ether
Concen: 25.256 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.01 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

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



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#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

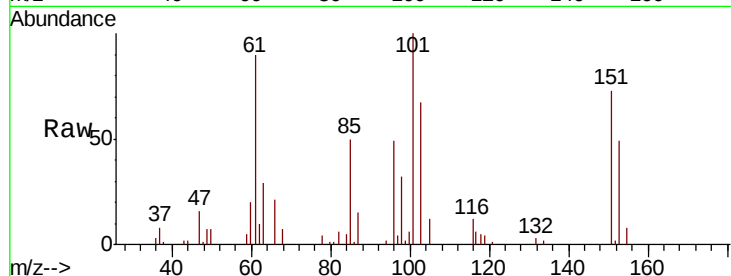
Tot Ion:101 Resp: 101691

Ion Ratio Lower Upper

101 100

85 49.9 32.4 48.6#

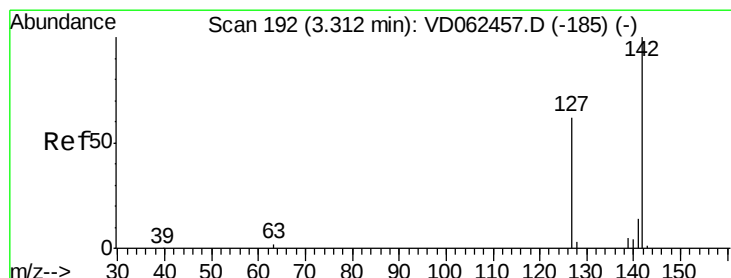
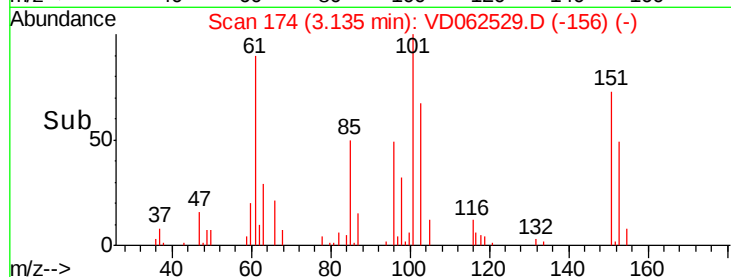
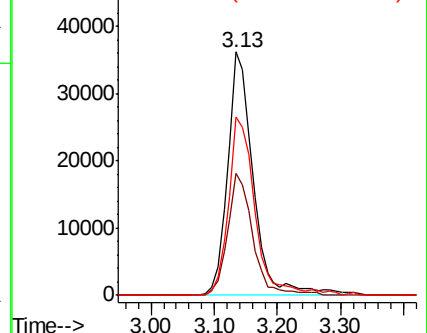
151 73.1 59.4 89.0



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

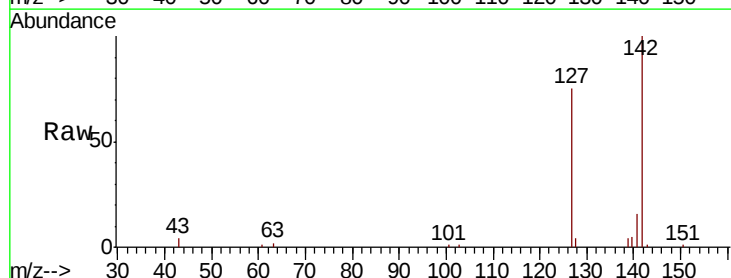
Tgt Ion:142 Resp: 140451

Ion Ratio Lower Upper

142 100

127 74.9 38.8 58.2#

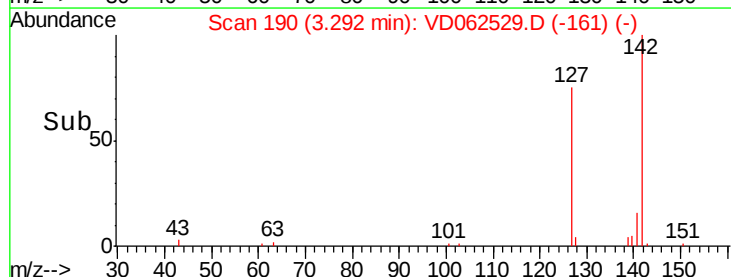
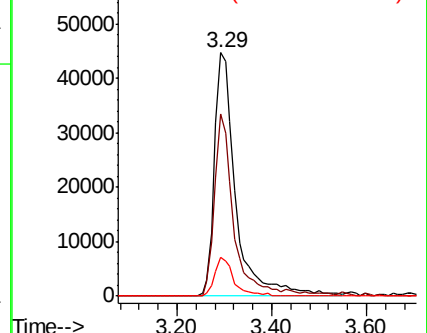
141 15.8 11.4 17.0

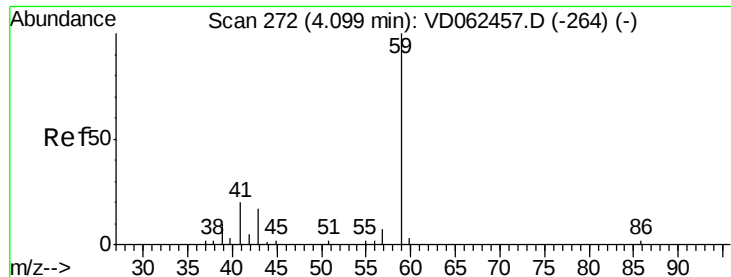


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



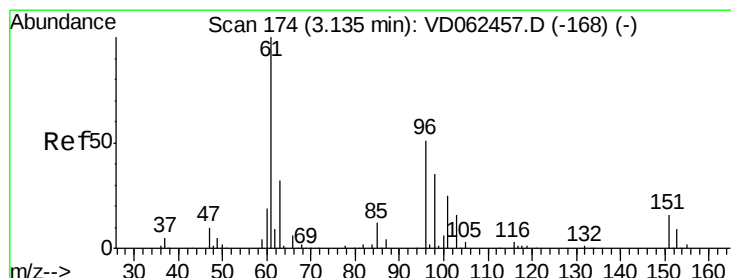
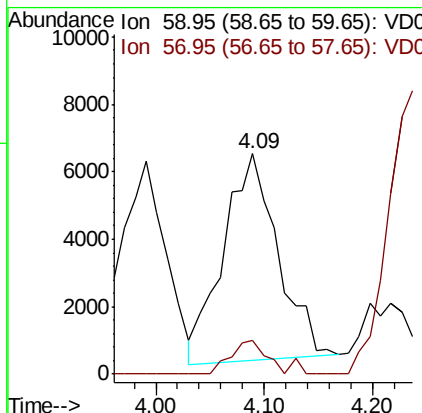
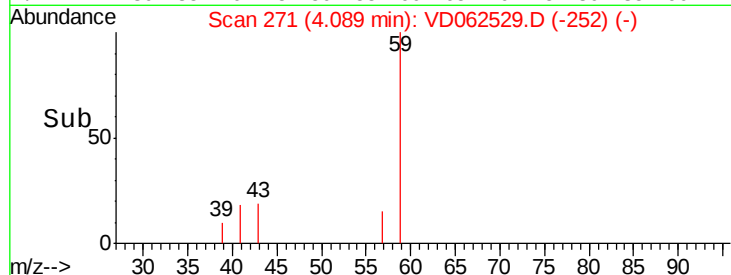
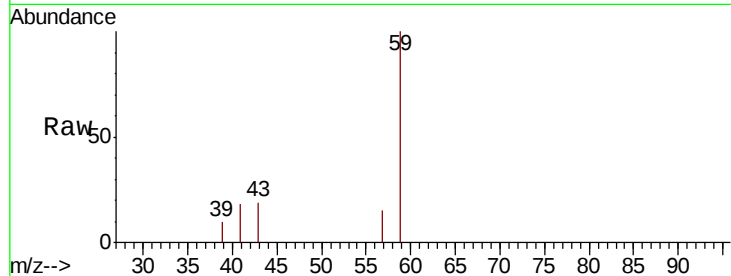


#11

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

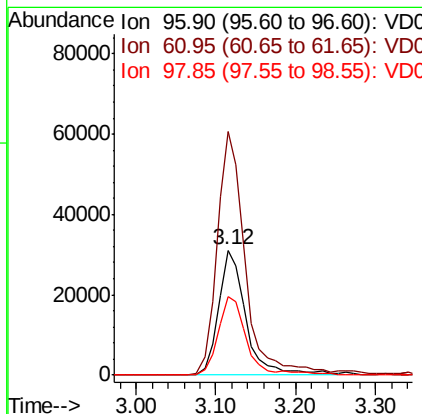
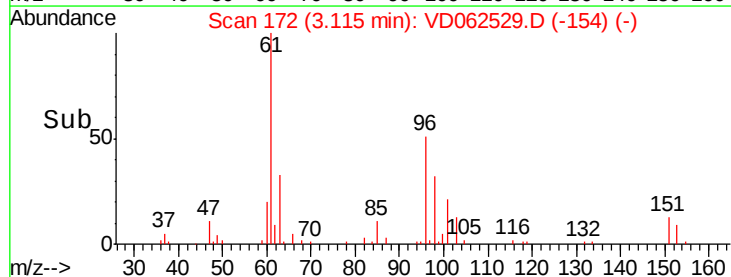
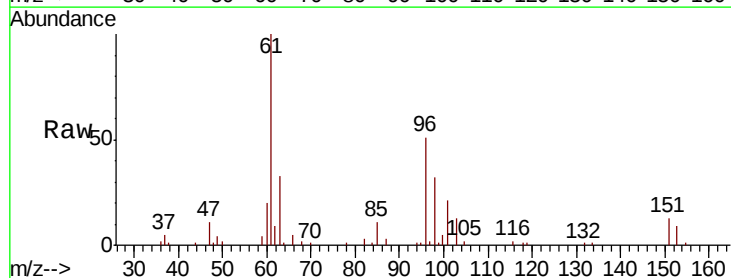
Tot Ion: 59 Resp: 21389
 Ion Ratio Lower Upper
 59 100
 57 15.3 6.9 10.3#

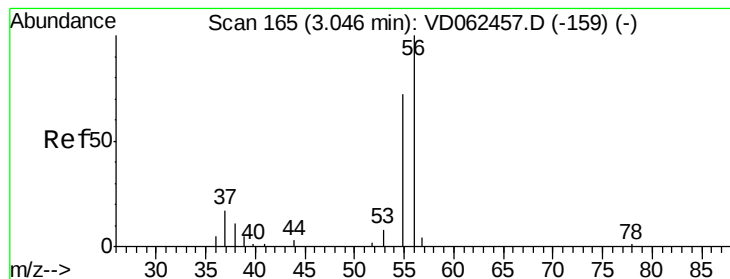


#12

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 :

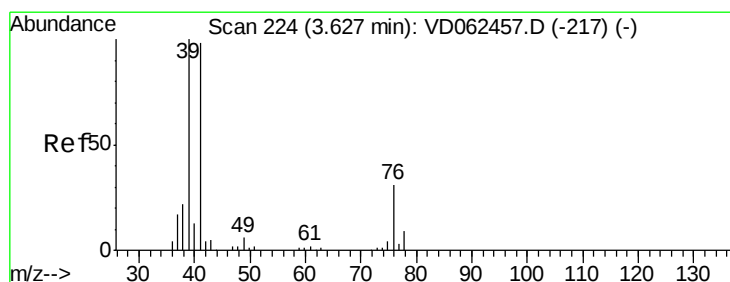
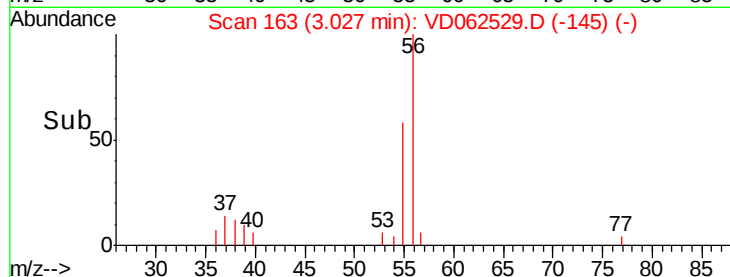
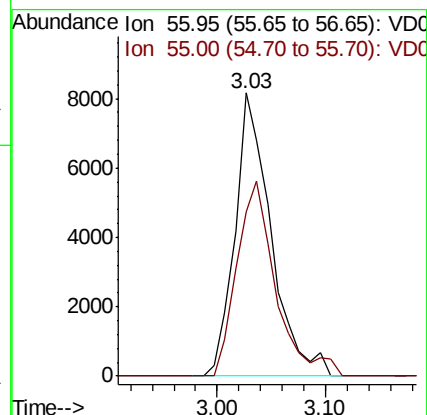
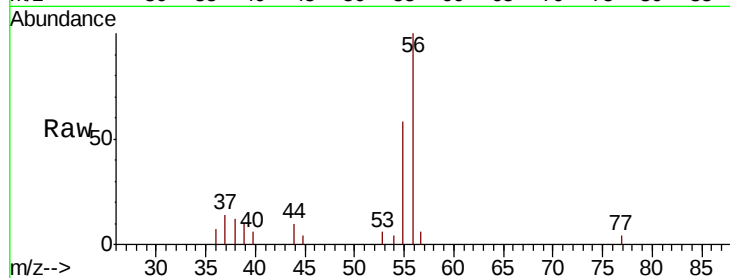
VD0524SBSD01

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

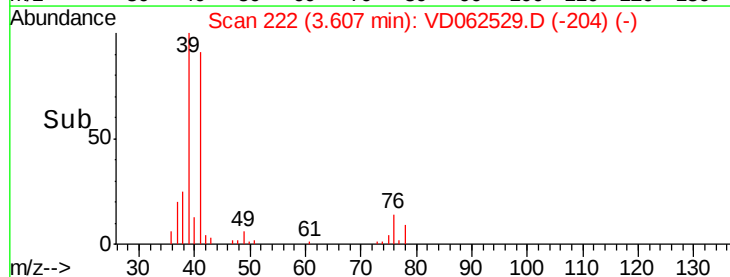
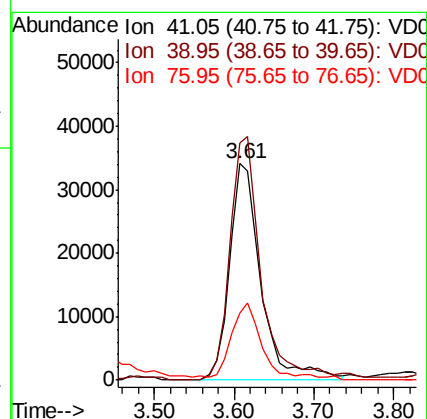
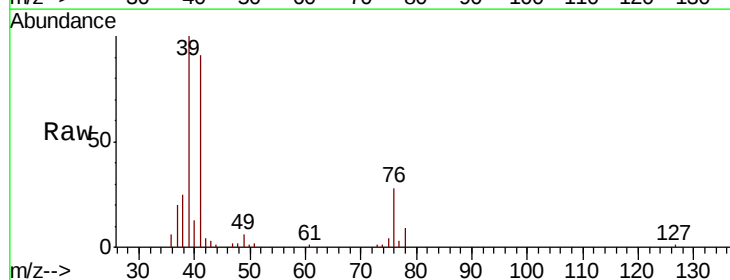
Tgt Ion: 41 Resp: 94405

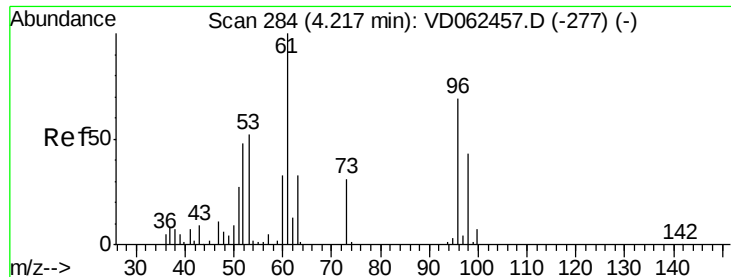
Ion Ratio Lower Upper

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 :

VD0524SBSD01

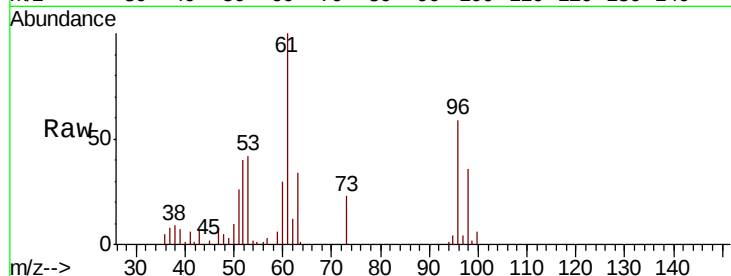
Tot Ion: 53 Resp: 45621

Ion Ratio Lower Upper

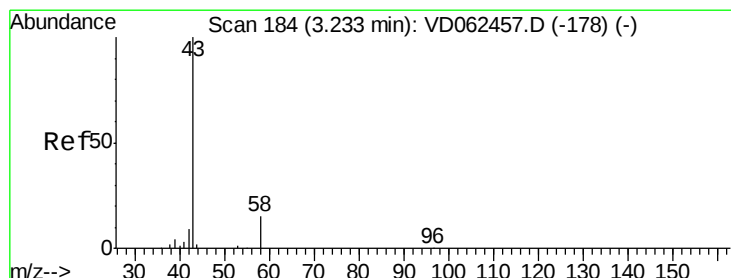
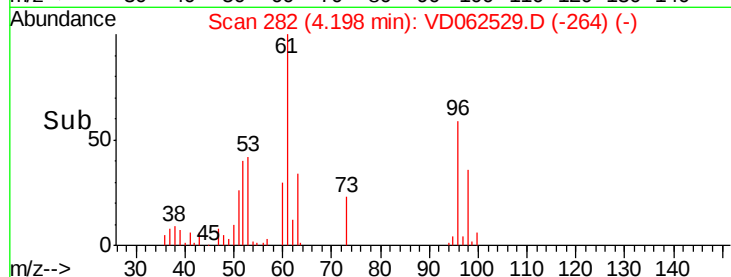
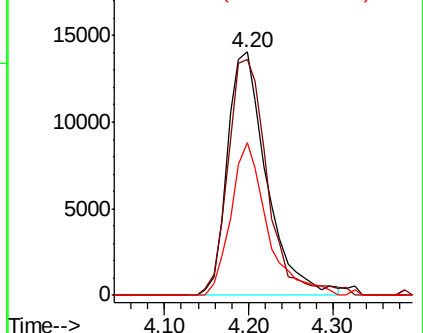
53 100

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

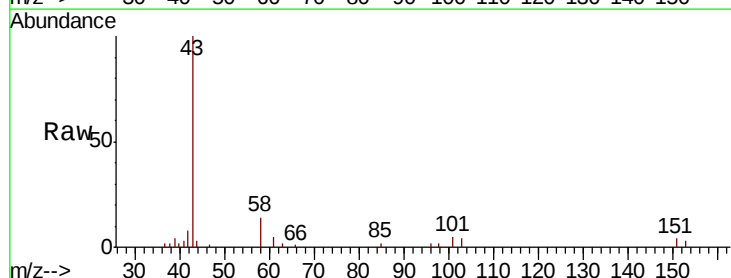
Acq: 24 May 2019 14:00

Tgt Ion: 43 Resp: 87533

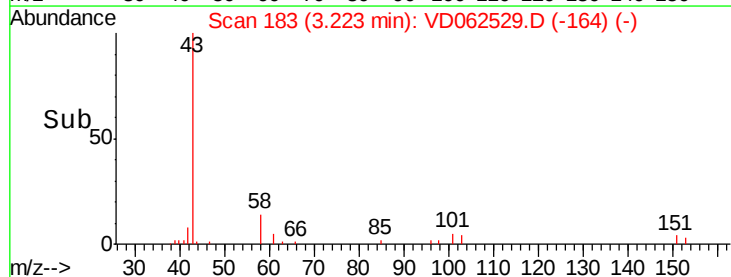
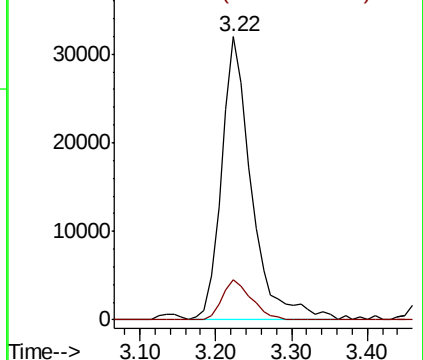
Ion Ratio Lower Upper

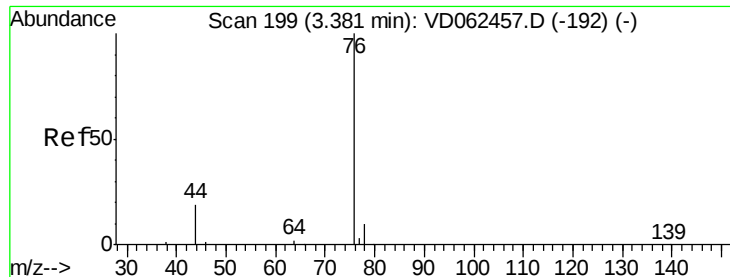
43 100

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

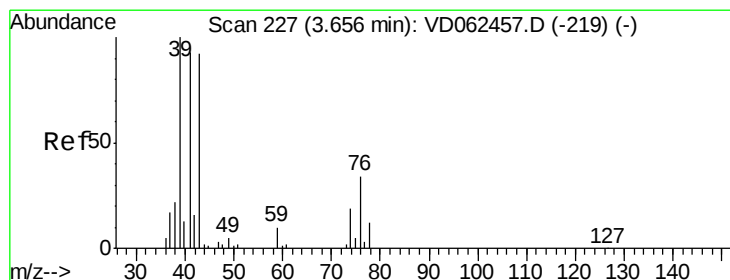
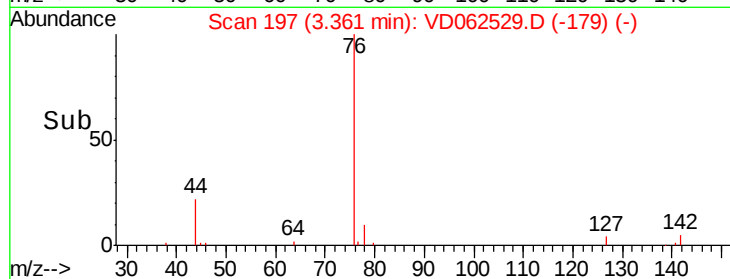
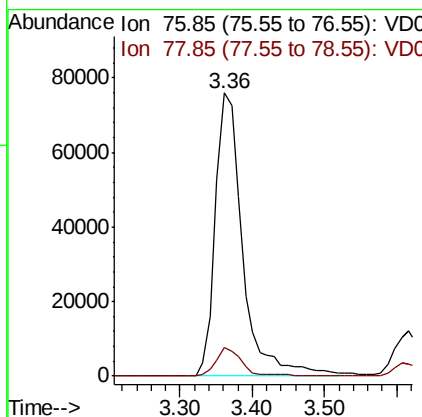
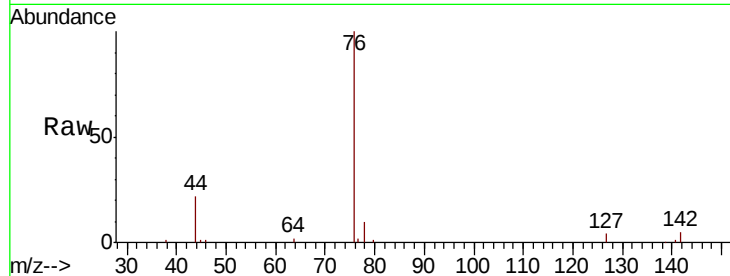




#17
Carbon Disulfide
Concen: 20.012 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.02 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

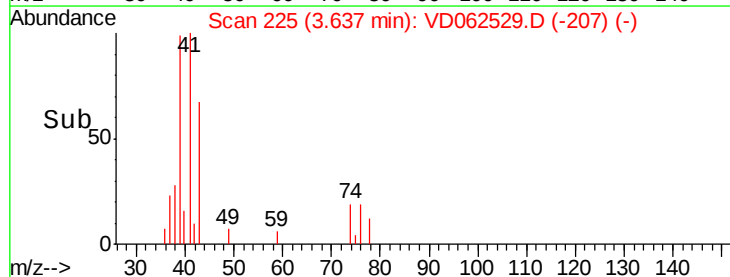
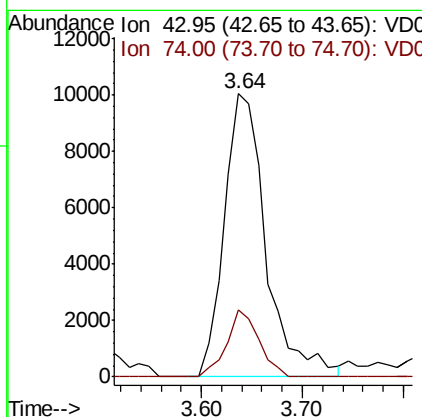
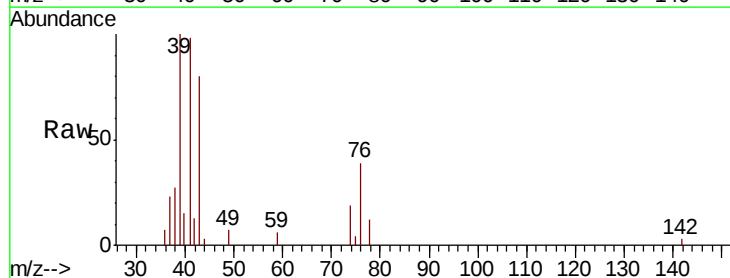
Instrument :
MSVOA_D
ClientSampleId :
VD0524SBSD01

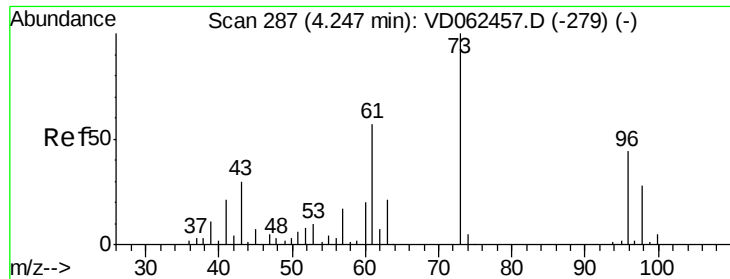
Tot Ion: 76 Resp: 198890
Ion Ratio Lower Upper
76 100
78 10.2 7.2 10.8



#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

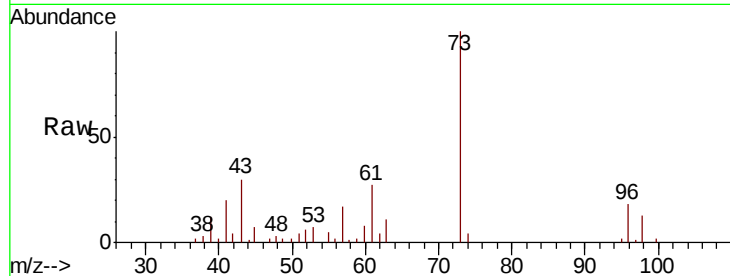




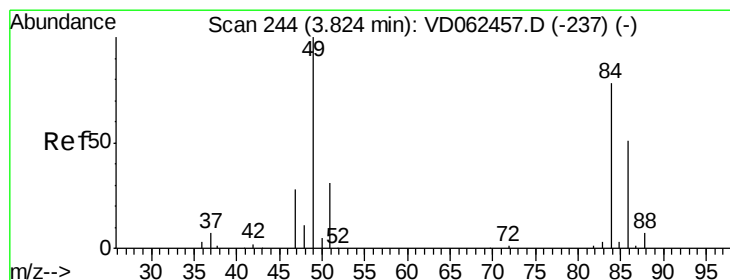
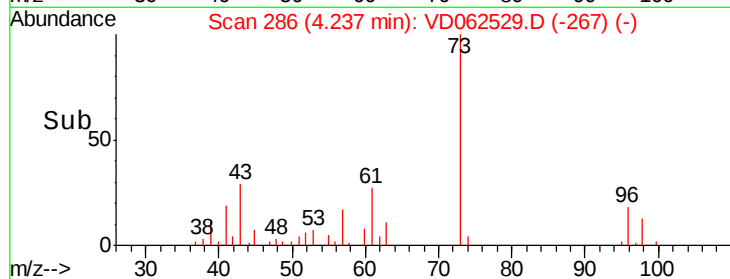
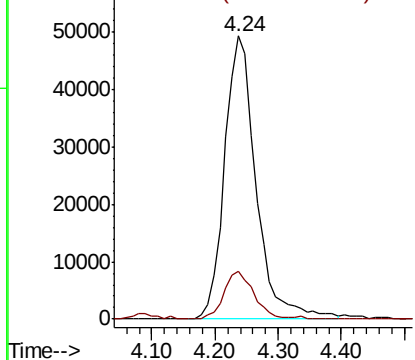
#19
Methvl tert-butvl Ether
Concen: 22.458 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

Instrument :
MSVOA_D
ClientSampleId :
VD0524SBSD01

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

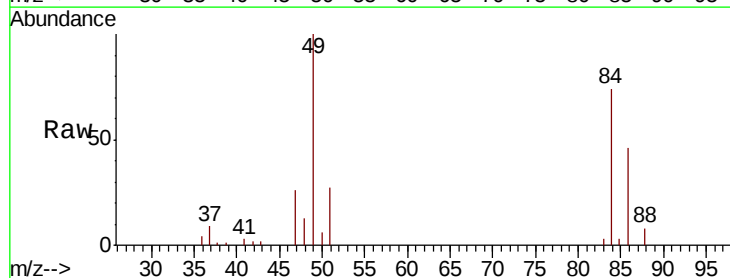


Abundance Ion 73.00 (72.70 to 73.70): VDC
Ion 57.05 (56.75 to 57.75): VDC

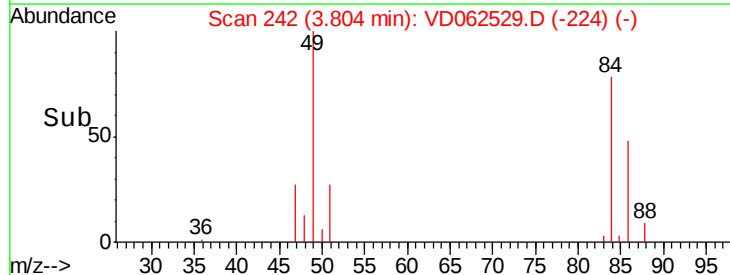
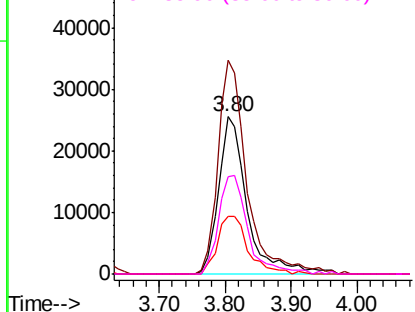


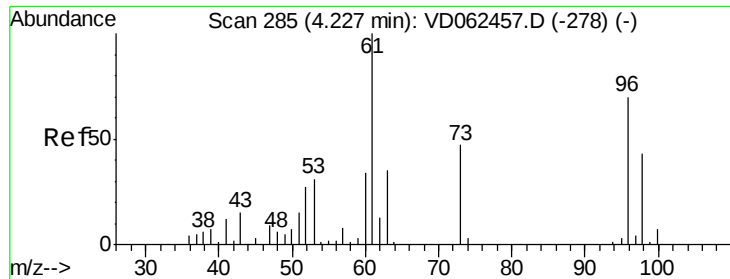
#20
Methylene Chloride
Concen: 17.118 ug/l
RT: 3.80 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

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



Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC





#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

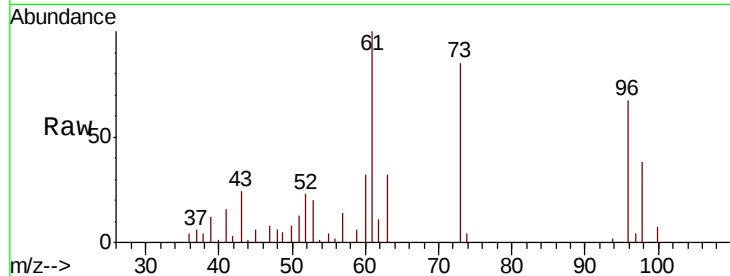
Tot Ion: 96 Resp: 74164

Ion Ratio Lower Upper

96 100

61 149.0 104.4 156.6

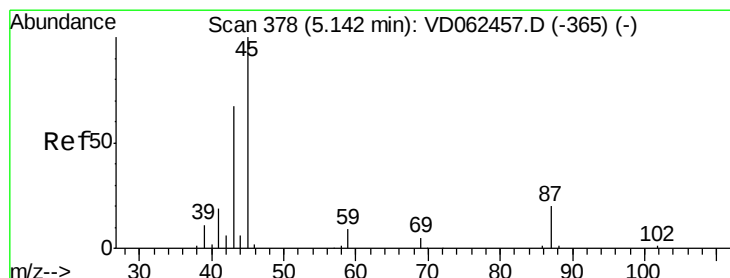
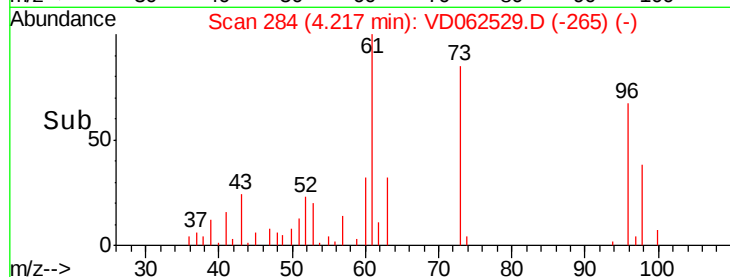
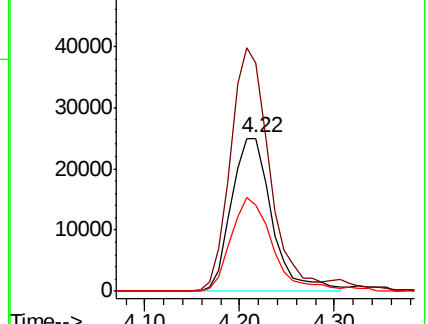
98 56.1 51.8 77.8



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

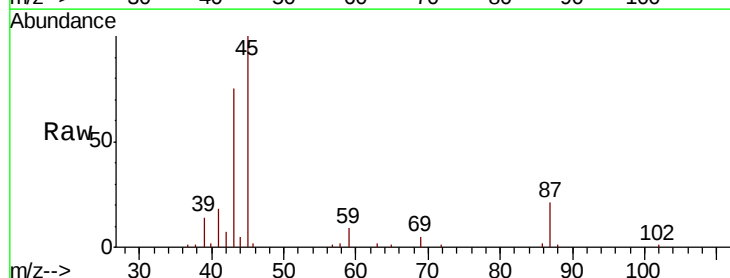
Ion Ratio Lower Upper

45 100

43 73.2 46.2 69.2#

87 20.2 15.9 23.9

59 9.1 7.9 11.9

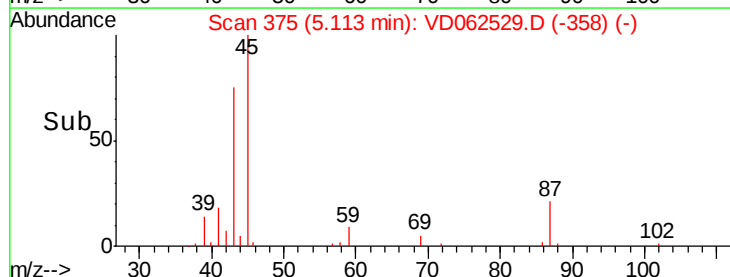
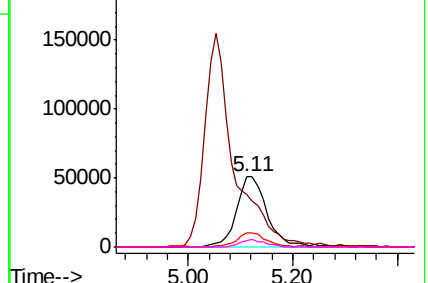


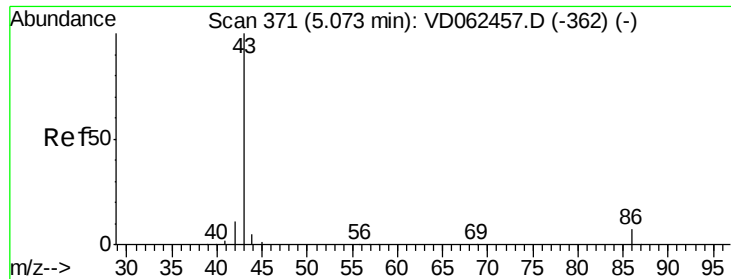
Abundance Ion 45.05 (44.75 to 45.75): VDC

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 :

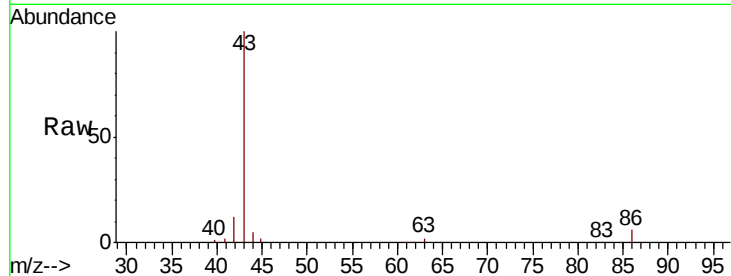
VD0524SBS01

Tot Ion: 43 Resp: 601146

Ion Ratio Lower Upper

43 100

86 5.8 6.4 9.6#



Abundance Ion 42.95 (42.65 to 43.65): VD062457.D (-362) (-)

Ion 86.00 (85.70 to 86.70): VD062457.D (-362) (-)

5.05

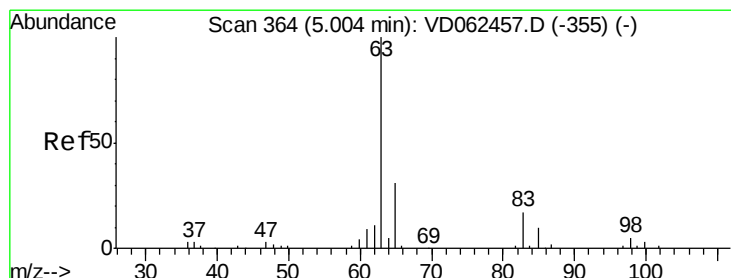
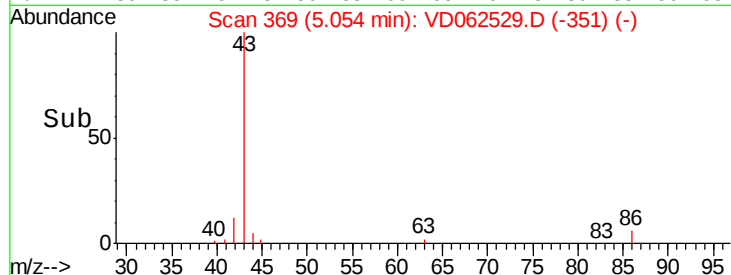
150000

100000

50000

0

Time-->



#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

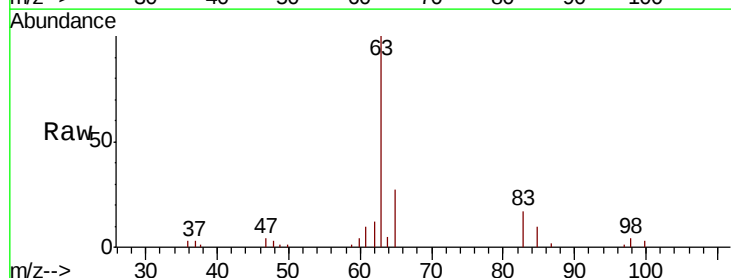
Tgt Ion: 63 Resp: 135478

Ion Ratio Lower Upper

63 100

98 4.4 2.8 8.4

100 3.1 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VD062457.D (-355) (-)

Ion 97.95 (97.65 to 98.65): VD062457.D (-355) (-)

Ion 99.95 (99.65 to 100.65): VD062457.D (-355) (-)

4.98

50000

40000

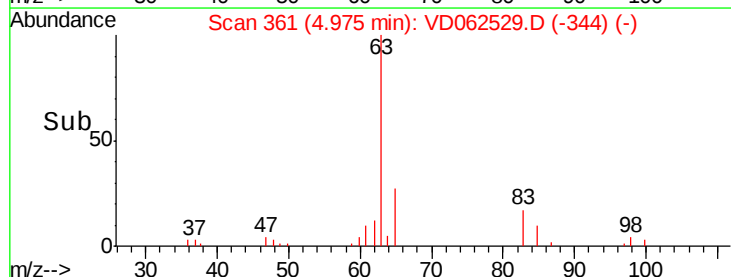
30000

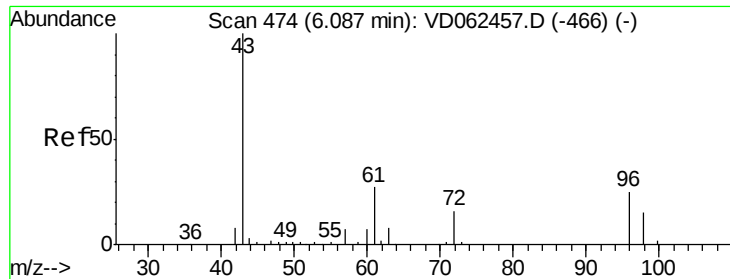
20000

10000

0

Time-->





#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 :

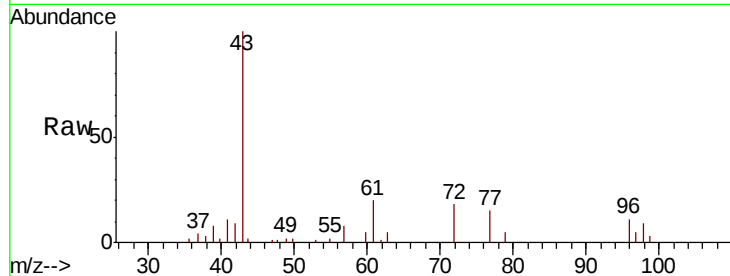
VD0524SBSD01

Tot Ion: 43 Resp: 83441

Ion Ratio Lower Upper

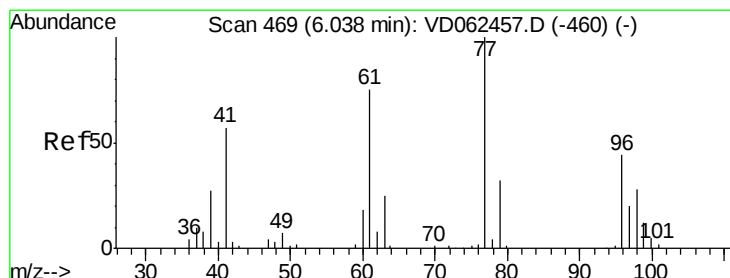
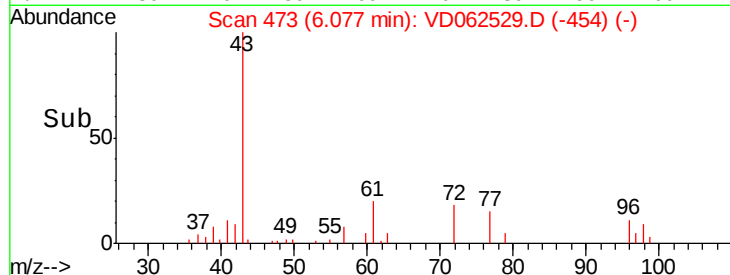
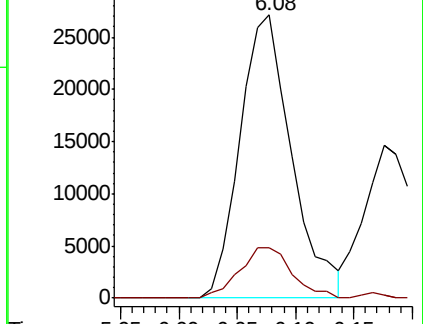
43 100

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

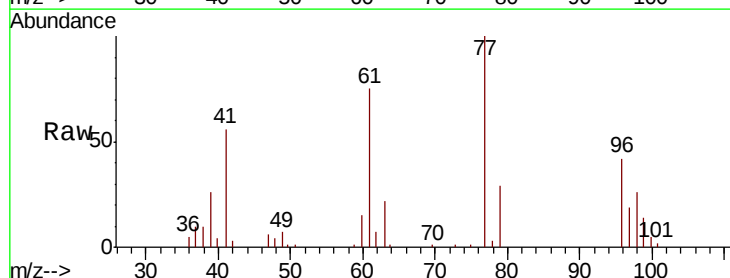
Acq: 24 May 2019 14:00

Tgt Ion: 77 Resp: 164648

Ion Ratio Lower Upper

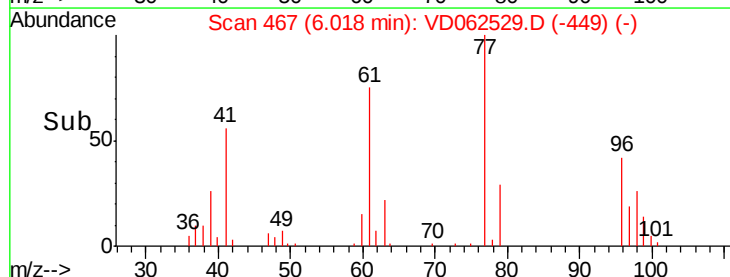
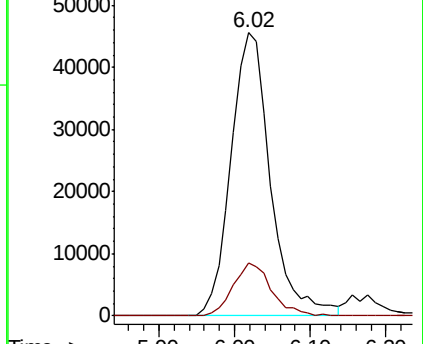
77 100

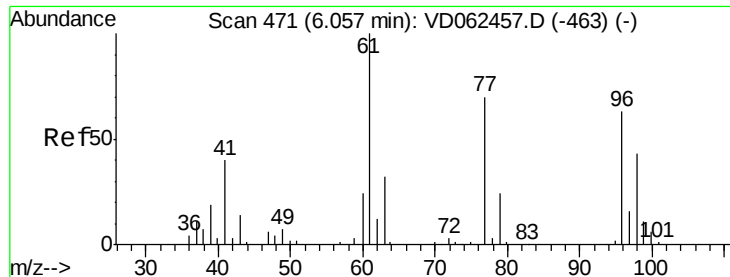
97 18.8 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



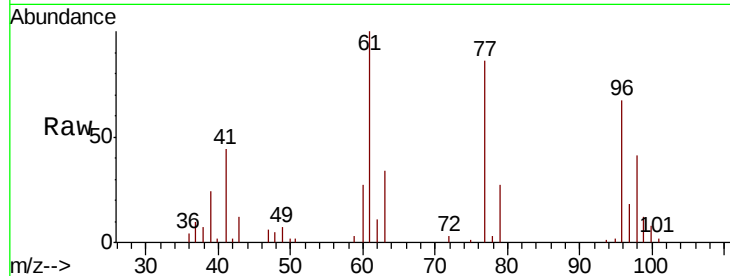


#27

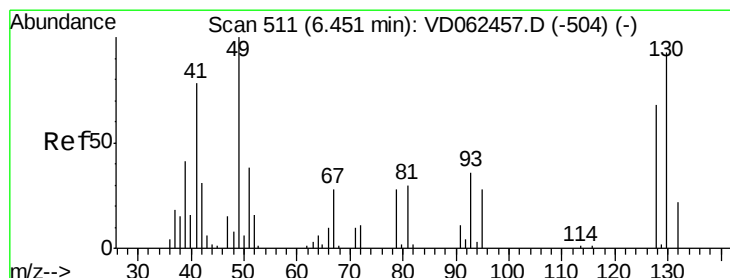
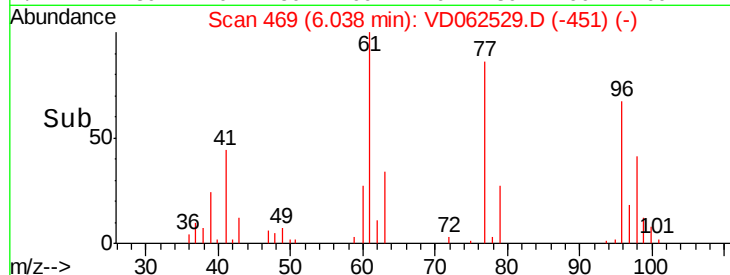
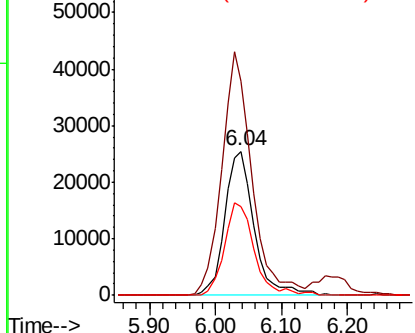
cis-1,2-Dichloroethene
 Concen: 19.098 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.02 min
 Lab File: VD062529.D
 Acq: 24 May 2019 14:00

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



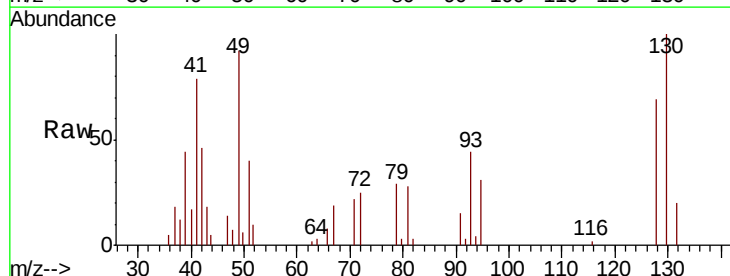
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



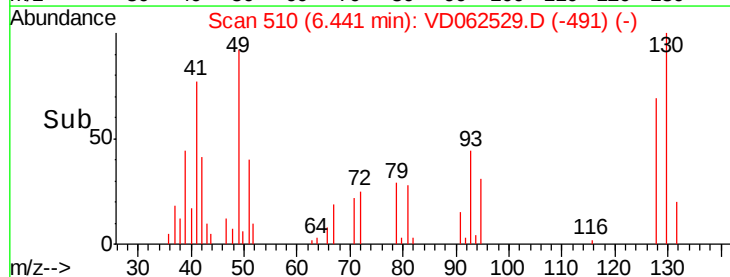
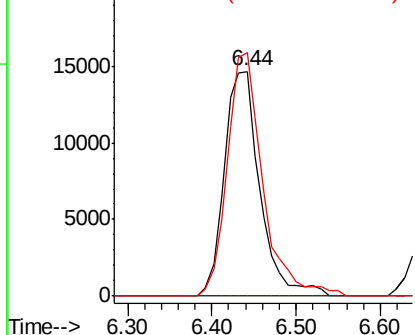
#28

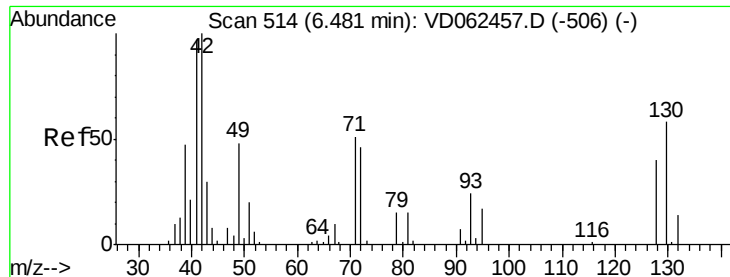
Bromochloromethane
 Concen: 18.041 ug/l
 RT: 6.44 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: VD062529.D
 Acq: 24 May 2019 14:00

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): VDC
 Ion 129.80 (129.50 to 130.50): VDC

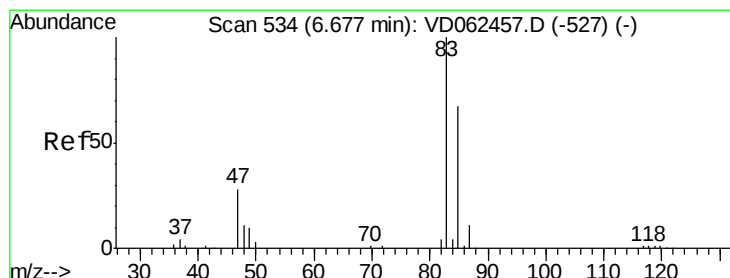
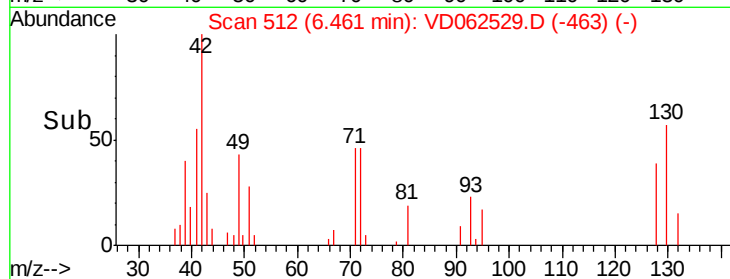
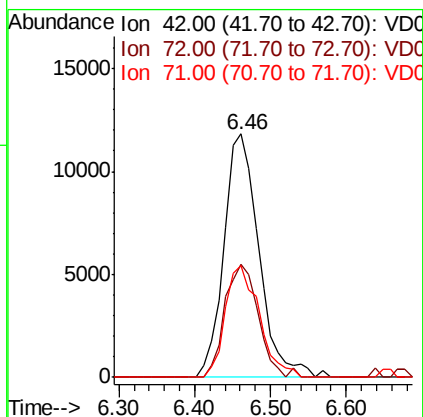
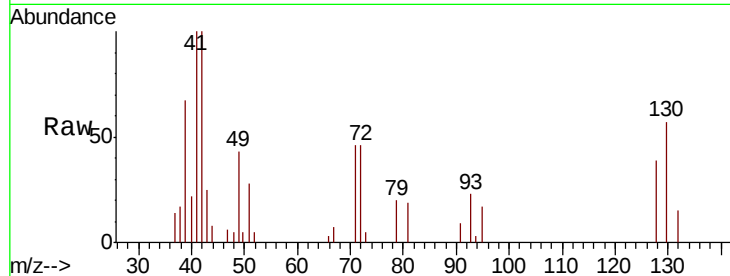




#29
Tetrahydrofuran
Concen: 89.252 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.02 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

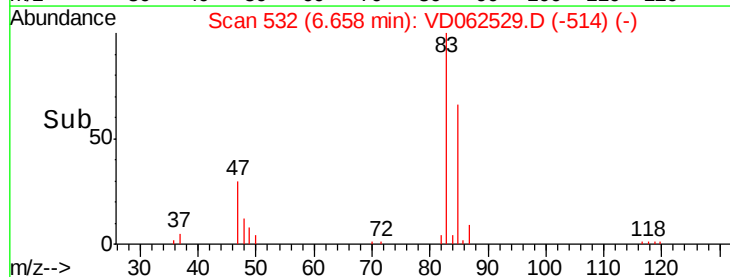
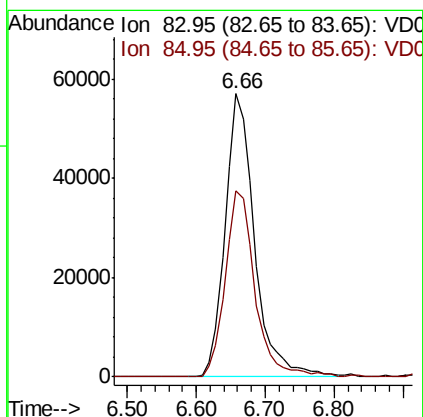
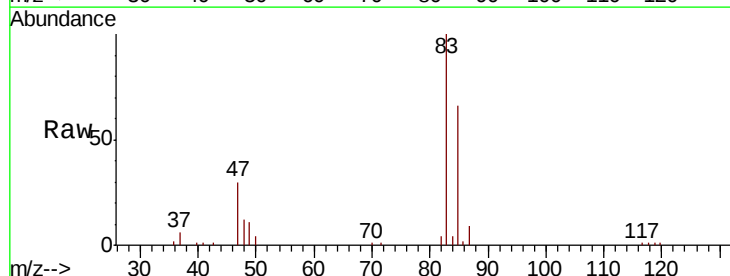
Instrument :
MSVOA_D
ClientSampleId :
VD0524SBSD01

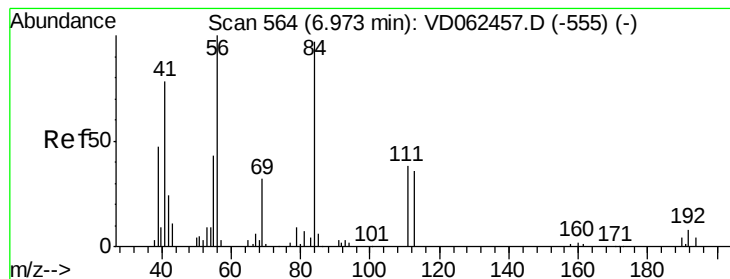
Tot Ion: 42 Resp: 37894
Ion Ratio Lower Upper
42 100
72 44.2 37.8 56.6
71 44.4 36.7 55.1



#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

Cyclohexane

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 :

VD0524SBS01

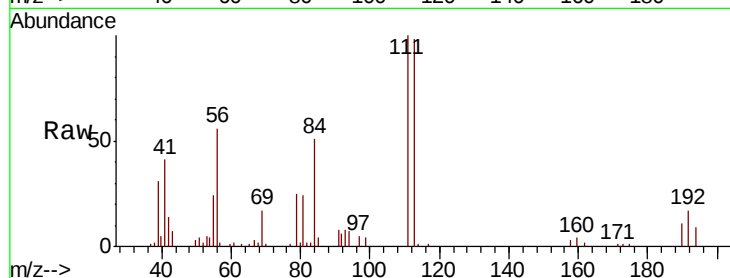
Tot Ion: 56 Resp: 77175

Ion Ratio Lower Upper

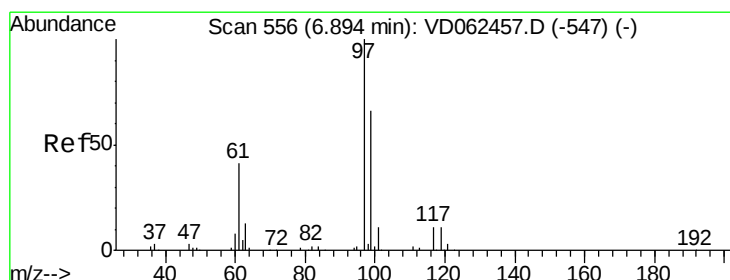
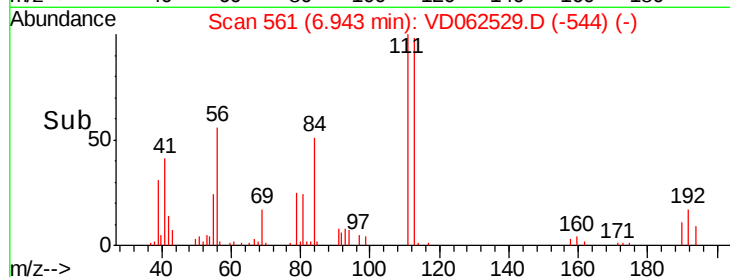
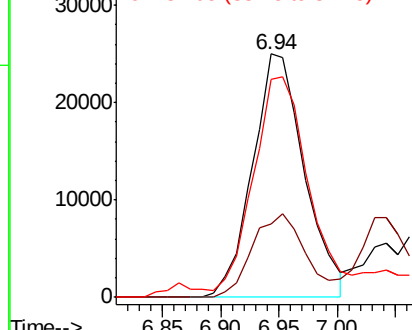
56 100

69 30.0 25.8 38.6

84 89.8 72.2 108.4



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#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

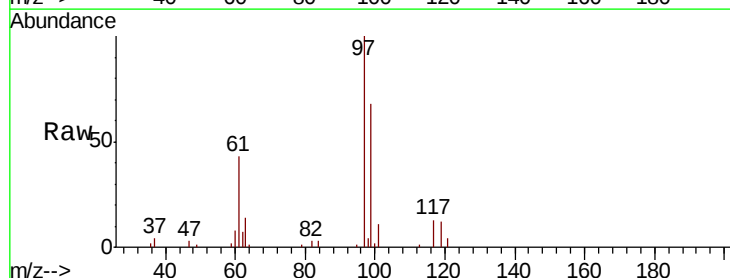
Tgt Ion: 97 Resp: 181287

Ion Ratio Lower Upper

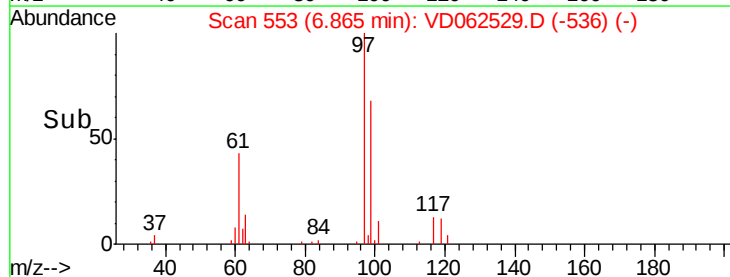
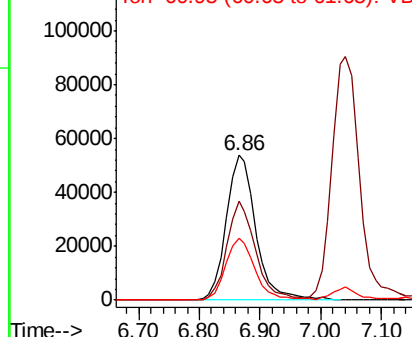
97 100

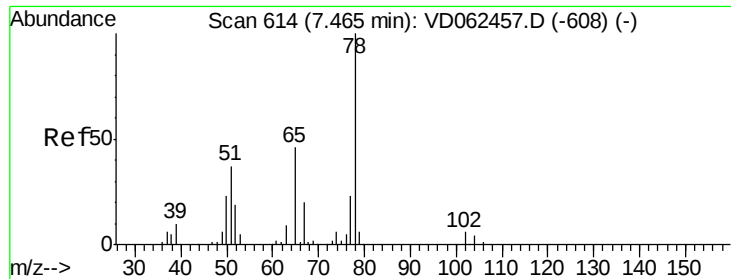
99 68.4 52.2 78.2

61 42.9 32.4 48.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#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 :

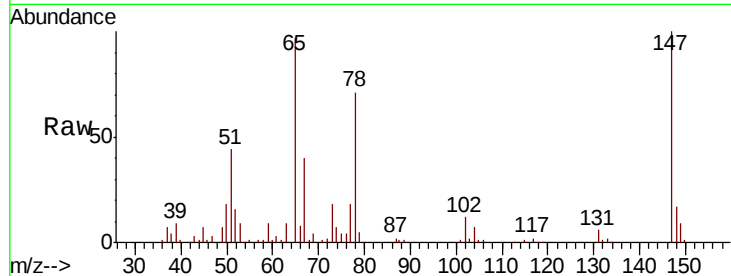
VD0524SBSD01

Tot Ion: 65 Resp: 260920

Ion Ratio Lower Upper

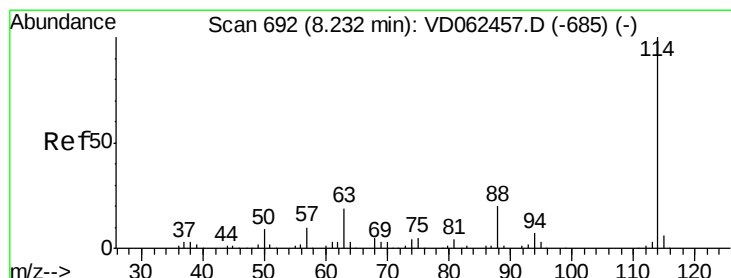
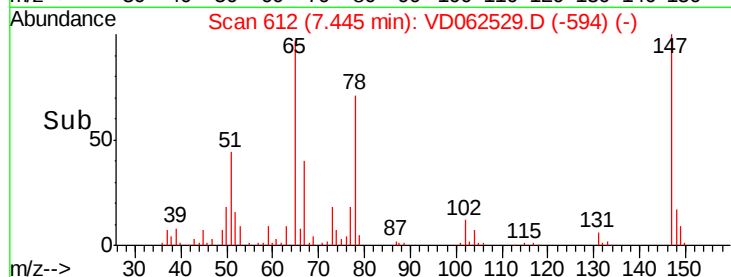
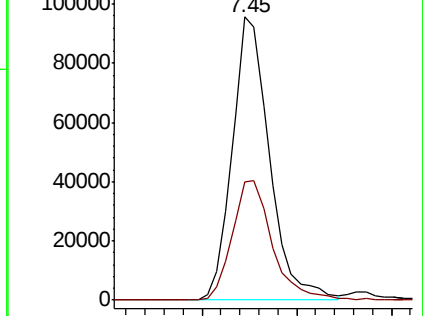
65 100

67 41.7 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#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

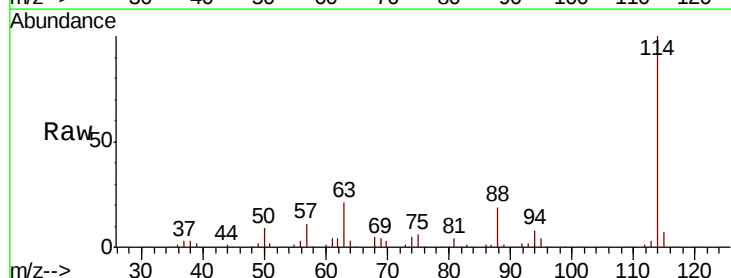
Tgt Ion: 114 Resp: 560711

Ion Ratio Lower Upper

114 100

63 21.2 0.0 32.4

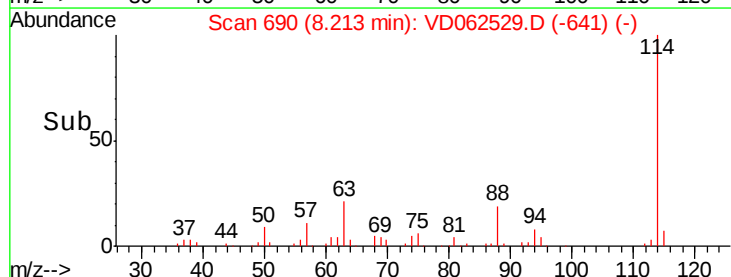
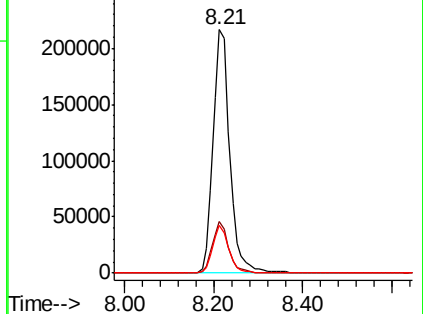
88 19.4 0.0 33.6

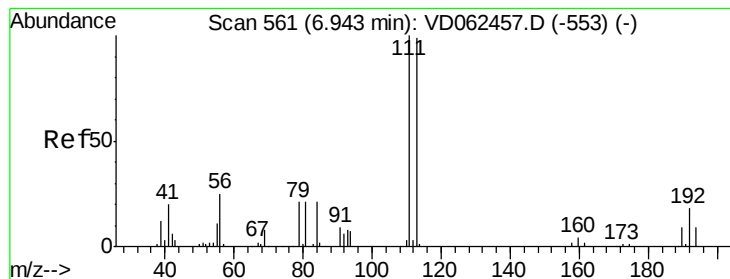


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#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

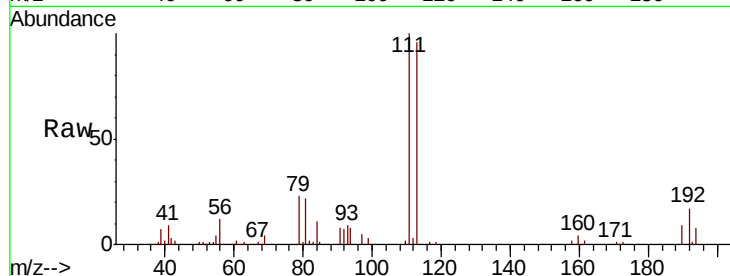
Tot Ion:113 Resp: 264136

Ion Ratio Lower Upper

113 100

111 103.6 78.5 117.7

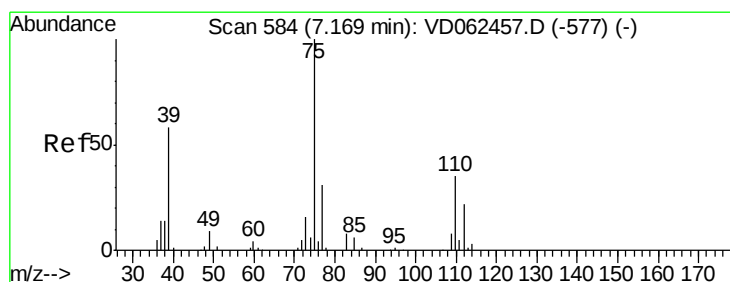
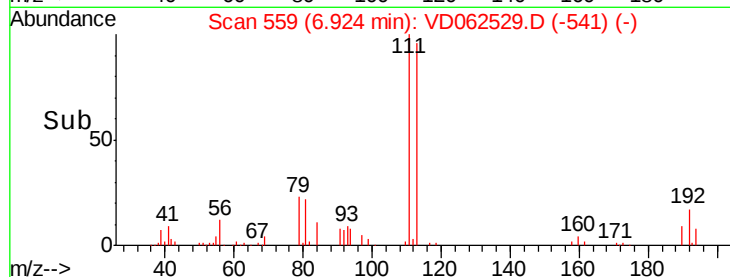
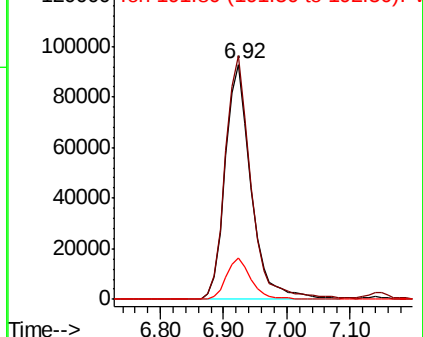
192 17.5 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#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

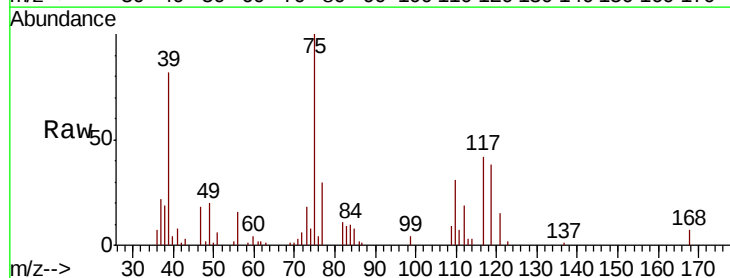
Tgt Ion: 75 Resp: 114395

Ion Ratio Lower Upper

75 100

110 30.6 19.1 57.1

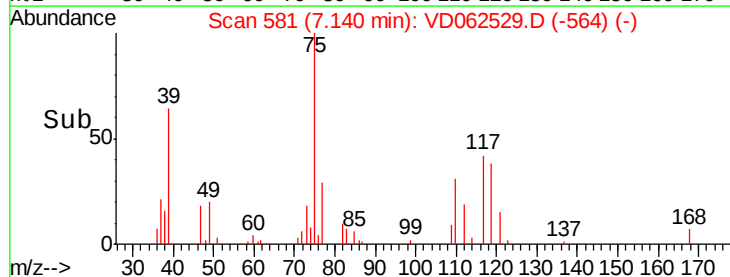
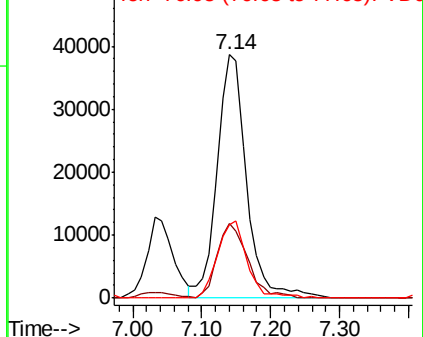
77 30.2 25.6 38.4

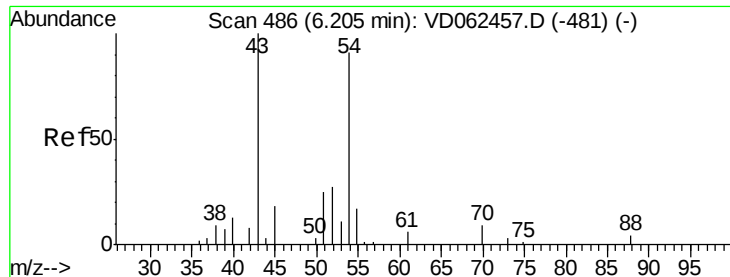


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

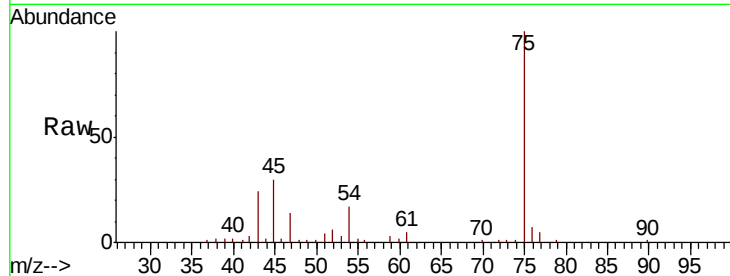




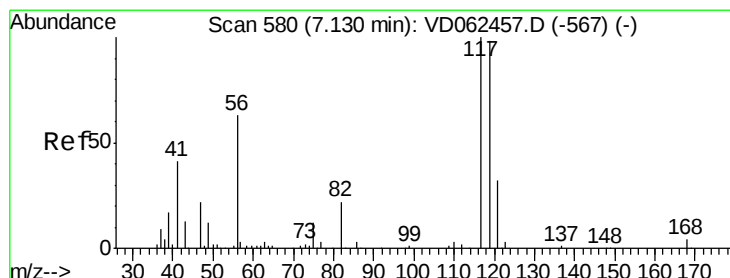
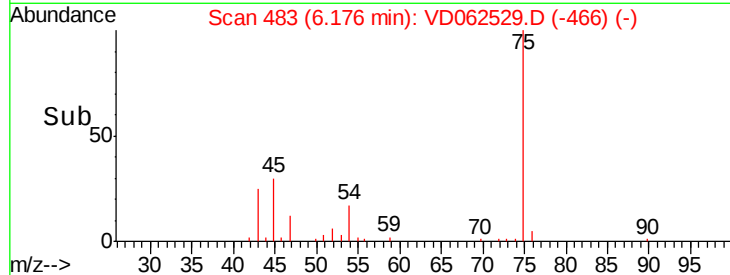
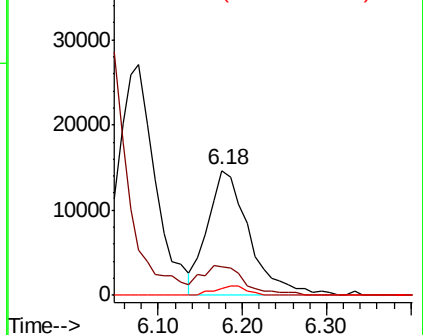
#37
Ethyl Acetate
Concen: 24.323 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.03 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

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#

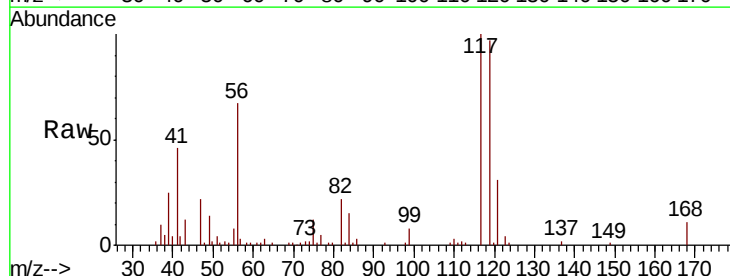


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

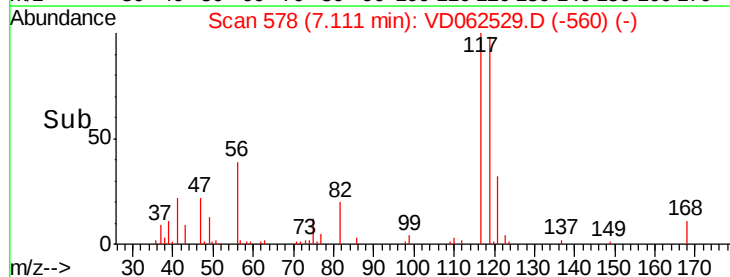
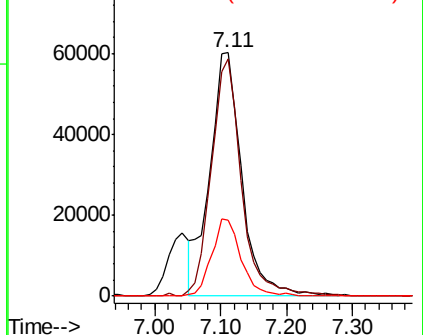


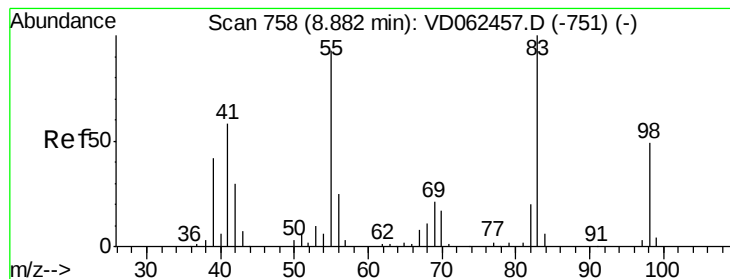
#38
Carbon Tetrachloride
Concen: 25.543 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.02 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

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

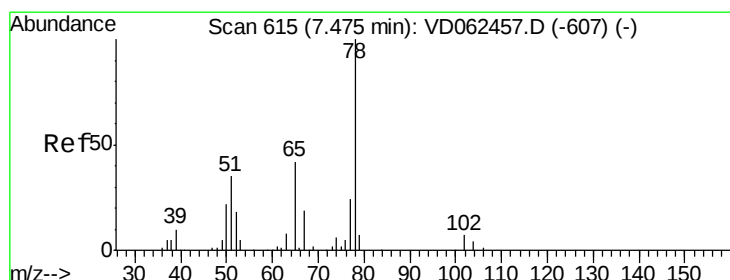
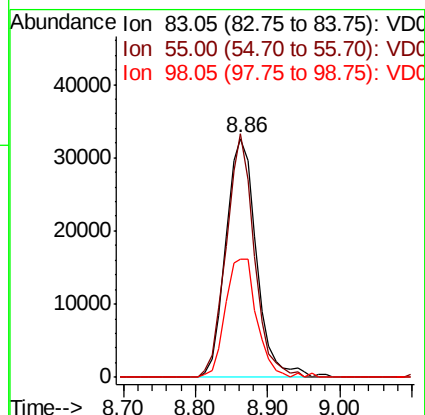
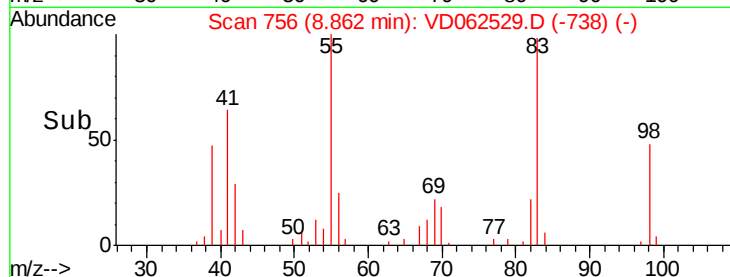
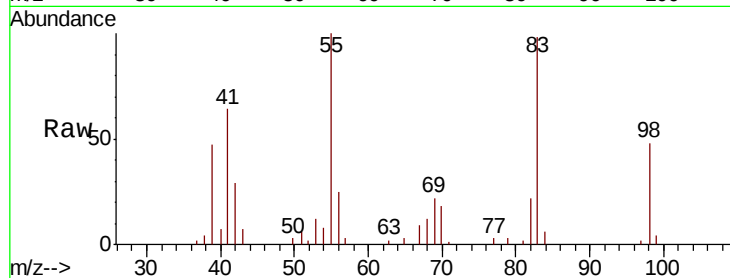
Tot Ion: 83 Resp: 95877

Ion Ratio Lower Upper

83 100

55 101.9 68.2 102.4

98 49.4 38.2 57.4



#40

Benzene

Concen: 20.531 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.02 min

Lab File: VD062529.D

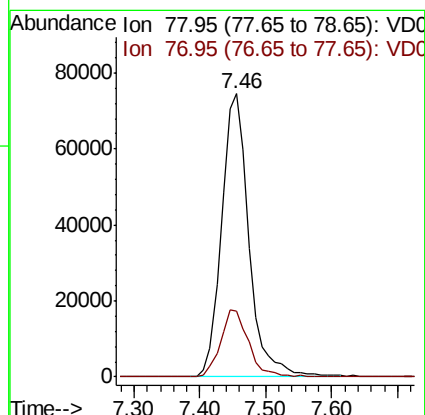
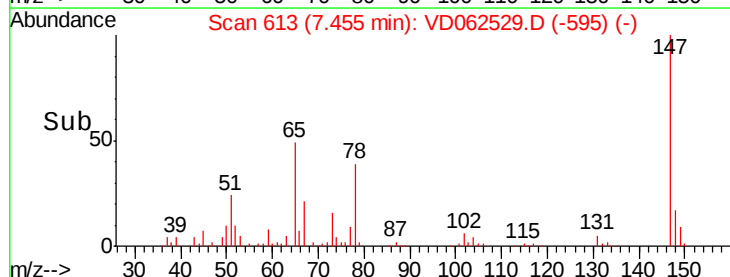
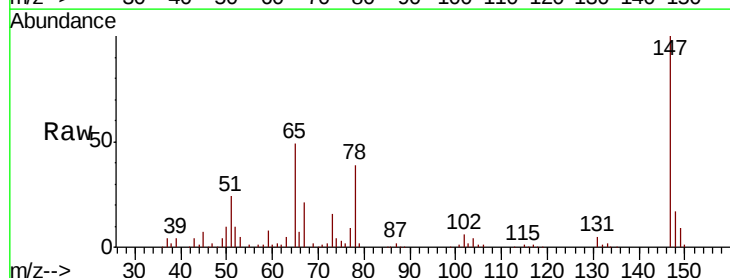
Acq: 24 May 2019 14:00

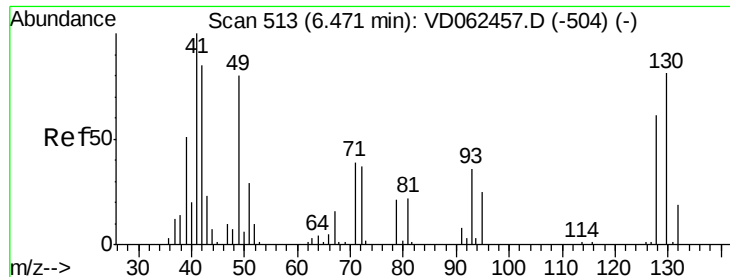
Tgt Ion: 78 Resp: 215884

Ion Ratio Lower Upper

78 100

77 23.5 19.7 29.5





#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

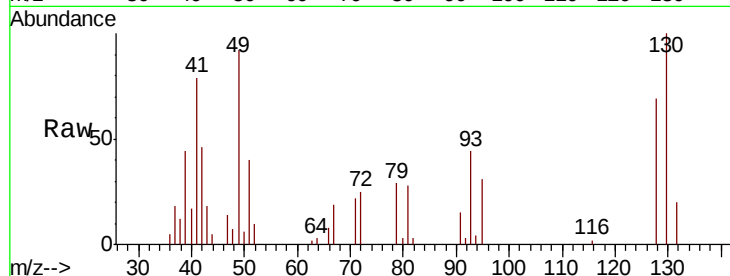
Ion Ratio Lower Upper

41 100

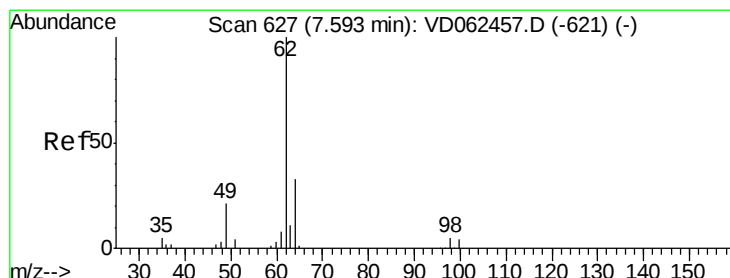
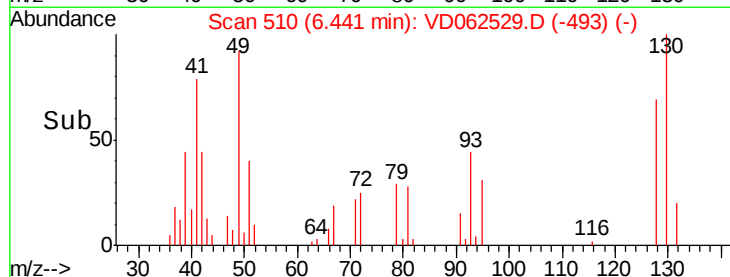
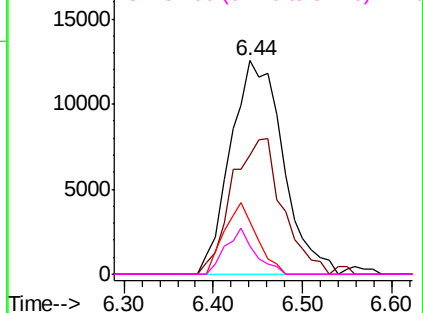
39 55.7 34.1 51.1#

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

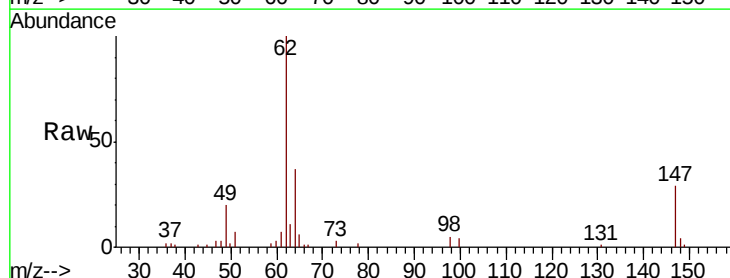
Acq: 24 May 2019 14:00

Tgt Ion: 62 Resp: 127016

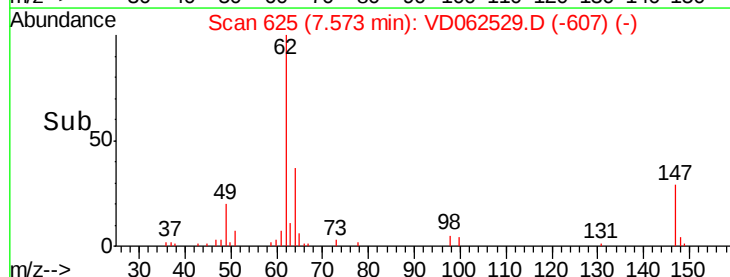
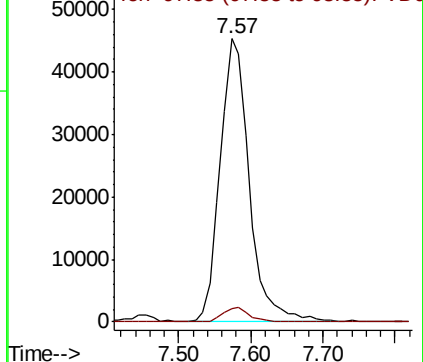
Ion Ratio Lower Upper

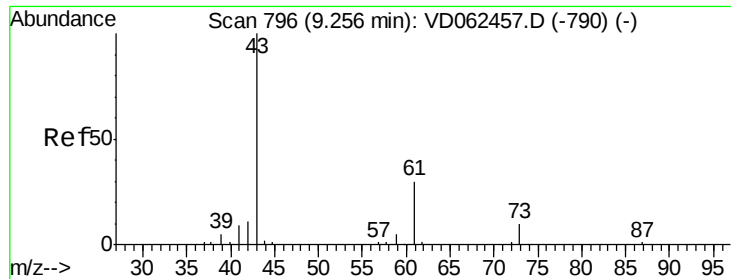
62 100

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 :

VD0524SBS01

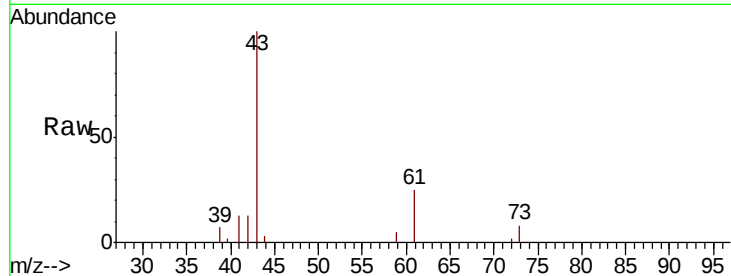
Tot Ion: 43 Resp: 54881

Ion Ratio Lower Upper

43 100

61 25.4 25.1 37.7

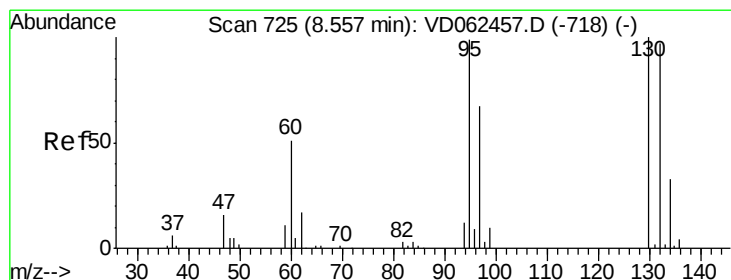
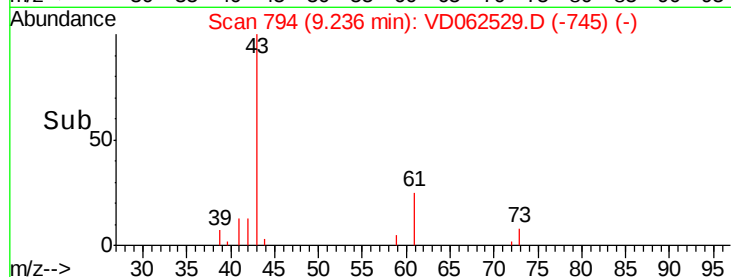
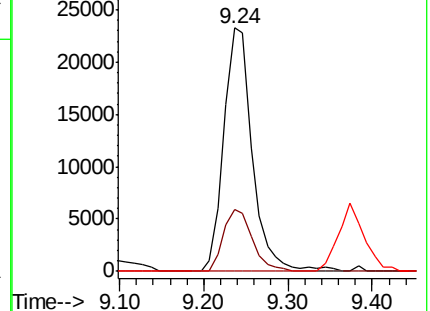
87 0.0 0.0 0.0



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

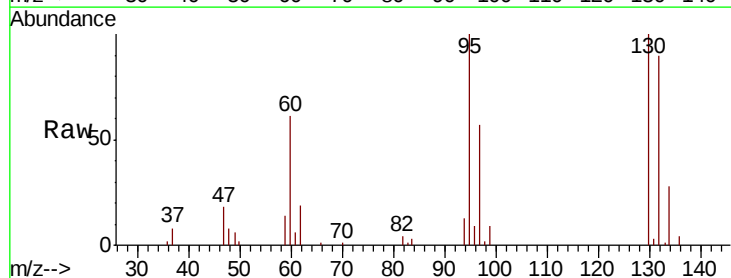
Acq: 24 May 2019 14:00

Tgt Ion: 130 Resp: 91736

Ion Ratio Lower Upper

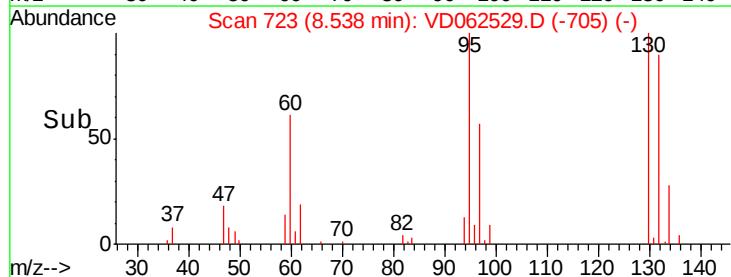
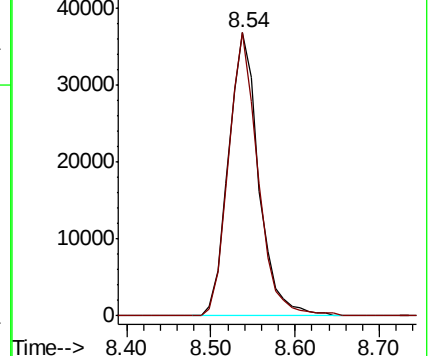
130 100

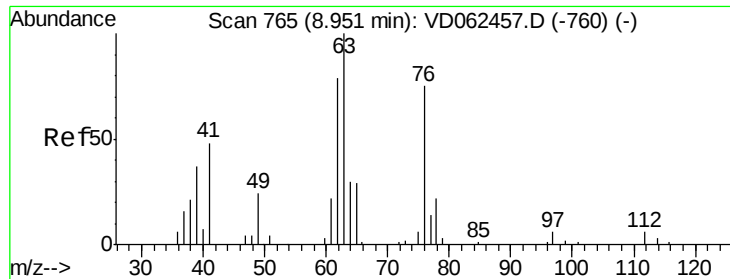
95 100.1 0.0 174.0



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 :

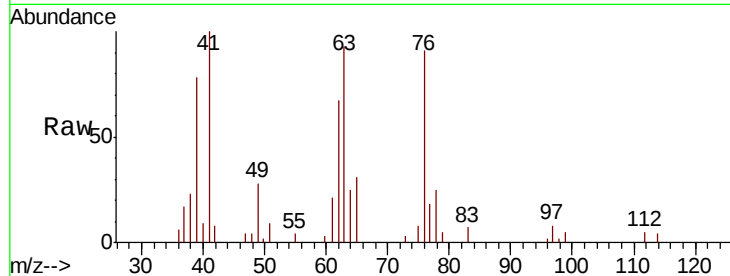
VD0524SBS01

Tot Ion: 63 Resp: 49314

Ion Ratio Lower Upper

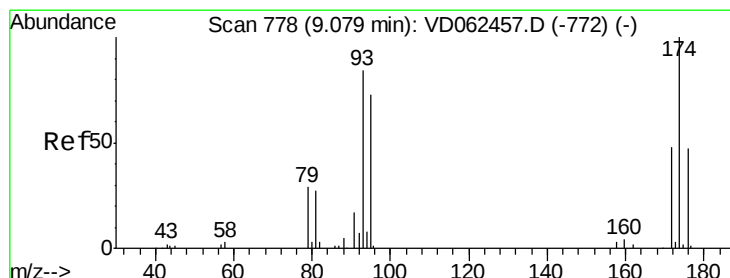
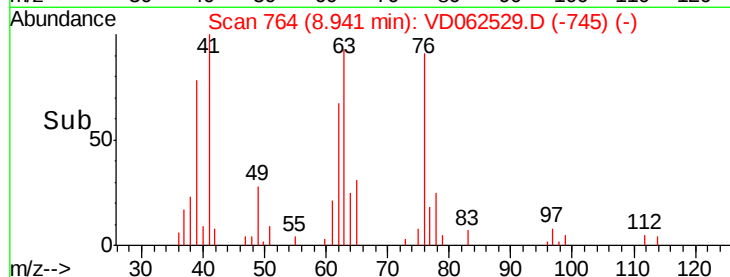
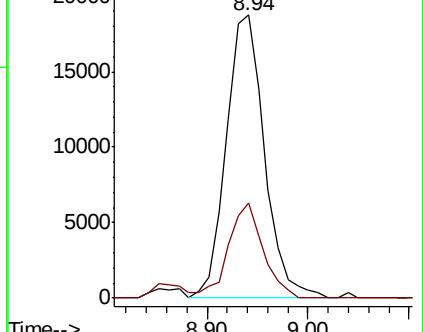
63 100

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

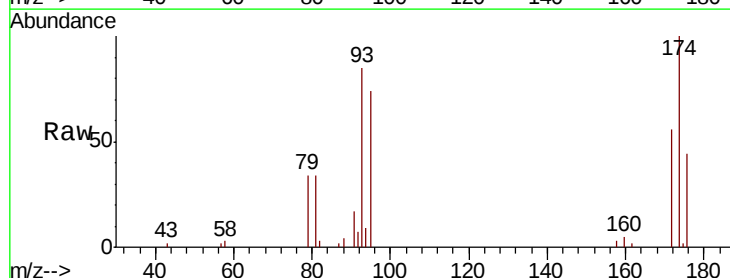
Tgt Ion: 93 Resp: 49011

Ion Ratio Lower Upper

93 100

95 86.5 64.8 97.2

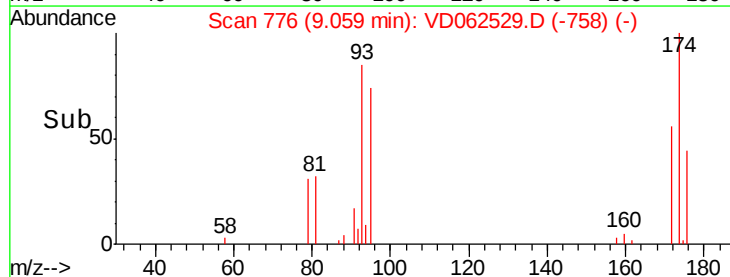
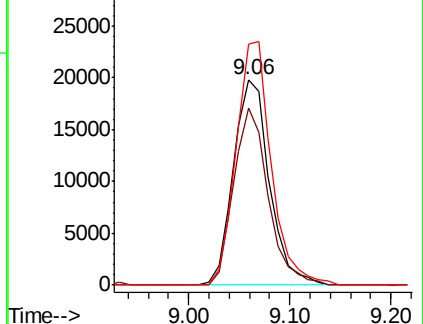
174 117.2 79.3 118.9

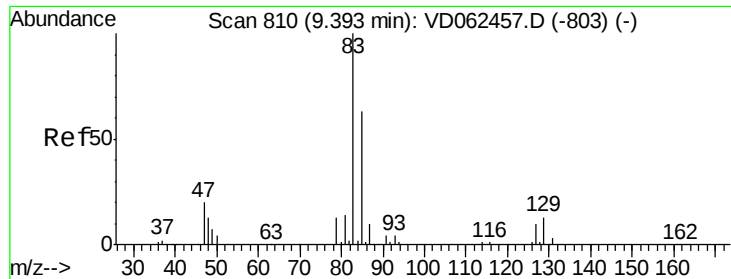


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#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 :

VD0524SBSD01

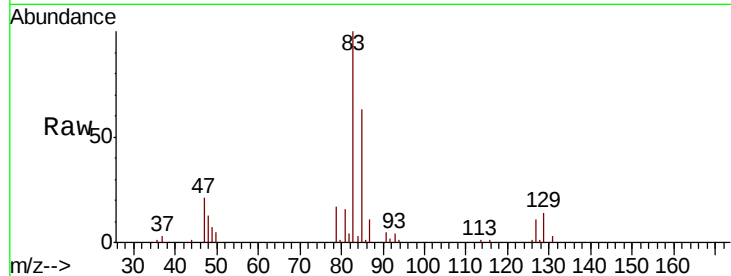
Tot Ion: 83 Resp: 137110

Ion Ratio Lower Upper

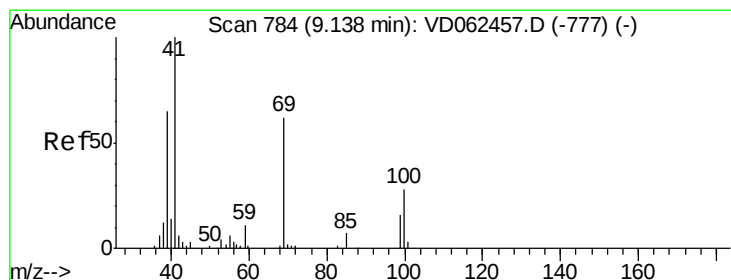
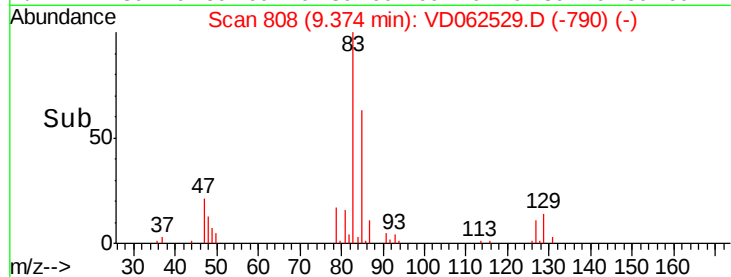
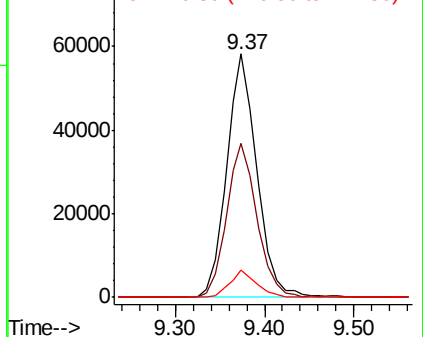
83 100

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

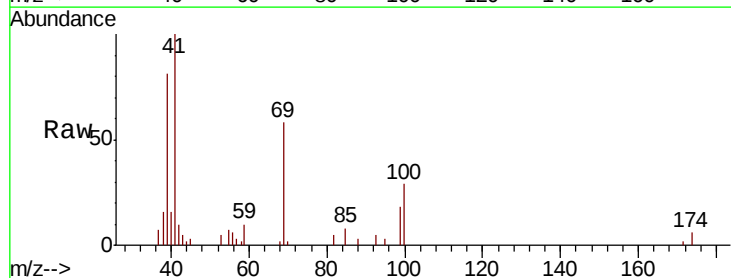
Tgt Ion: 41 Resp: 41249

Ion Ratio Lower Upper

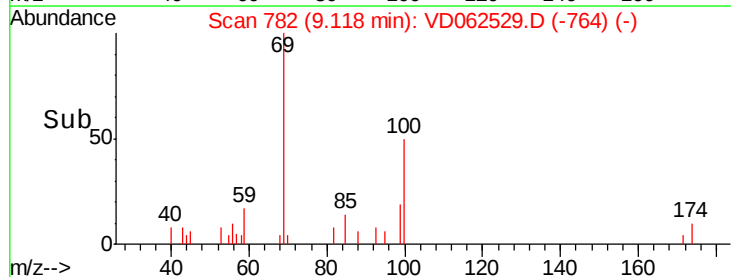
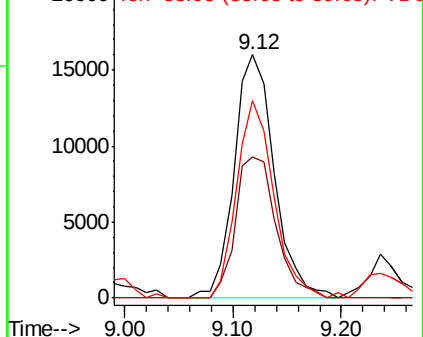
41 100

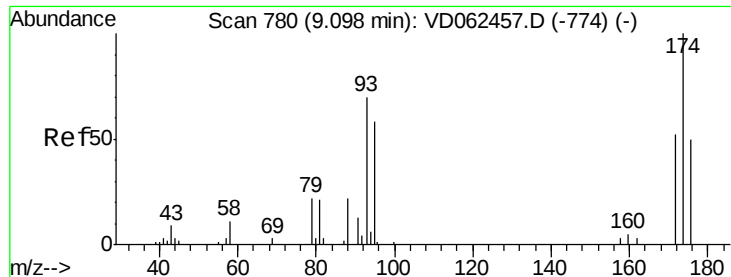
69 57.8 64.2 96.2#

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

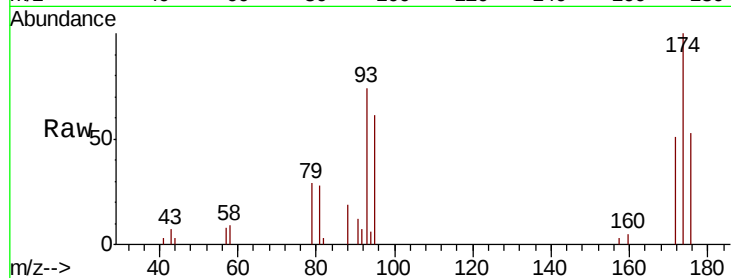




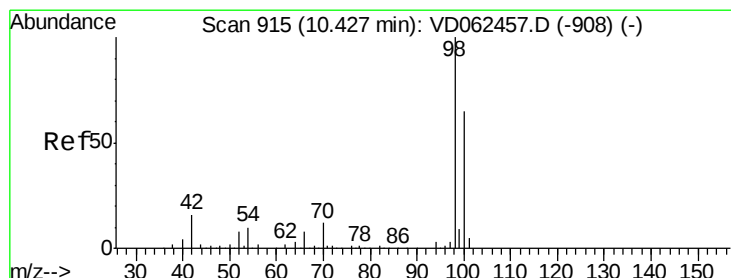
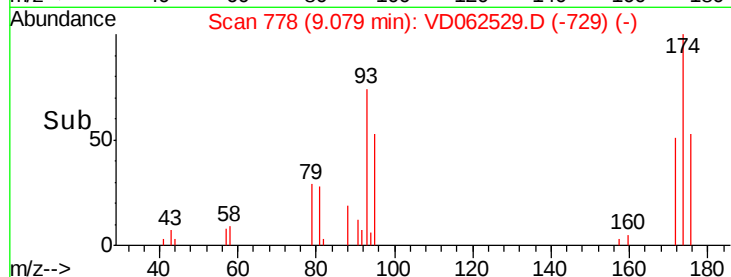
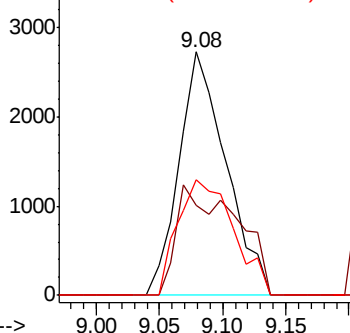
#49
1,4-Dioxane
Concen: 422.155 ug/l
RT: 9.08 min Scan# 778
Delta R.T. -0.02 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

Instrument :
MSVOA_D
ClientSampleId :
VD0524SBSD01

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

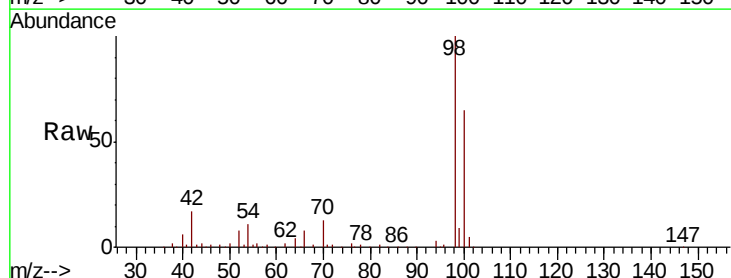


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

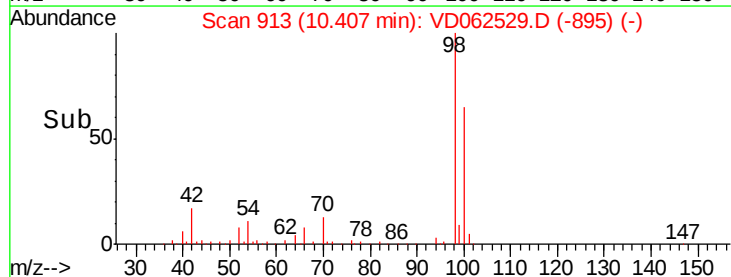
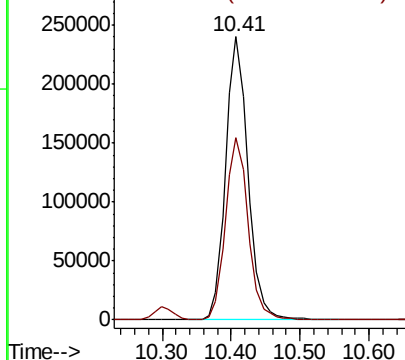


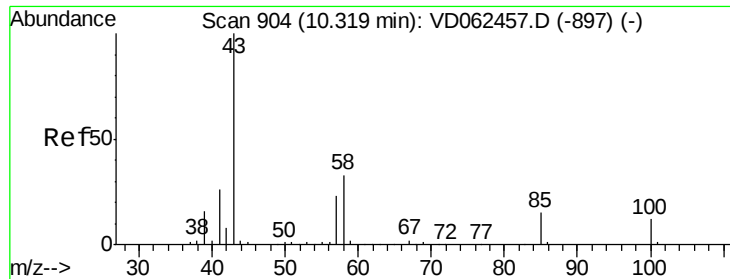
#50
Toluene-d8
Concen: 48.644 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.02 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

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

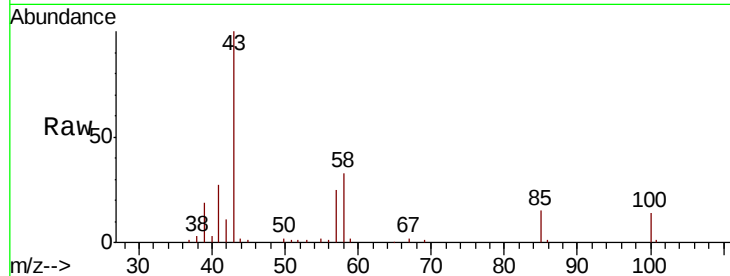




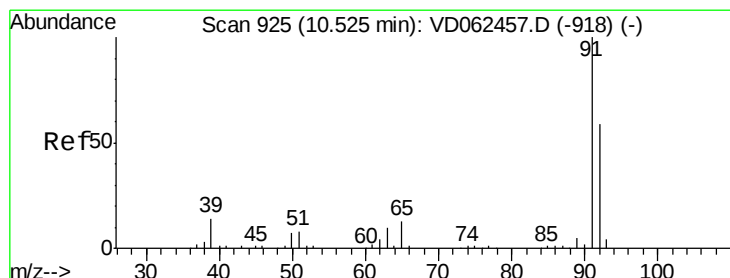
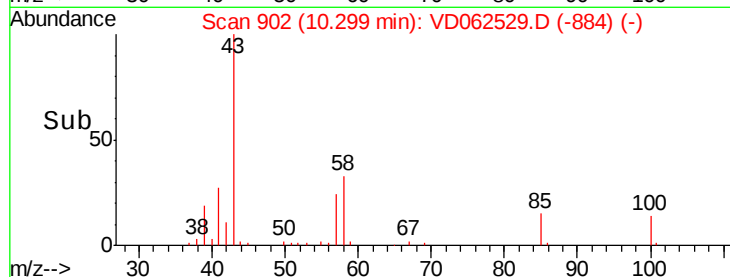
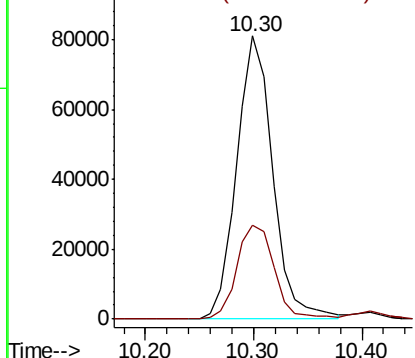
#51
4-Methyl-2-Pentanone
Concen: 103.197 ug/l
RT: 10.30 min Scan# 902
Delta R.T. -0.02 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

Instrument :
MSVOA_D
ClientSampleId :
VD0524SBSD01

Tot Ion: 43 Resp: 188349
Ion Ratio Lower Upper
43 100
58 33.3 30.4 45.6

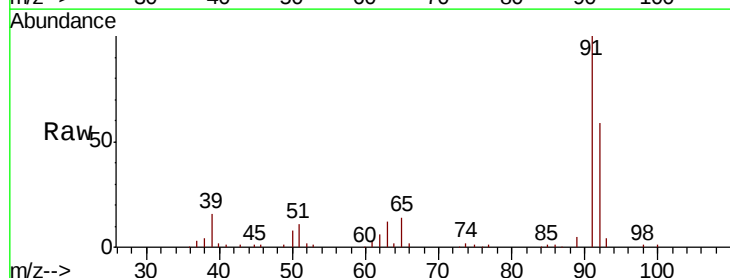


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

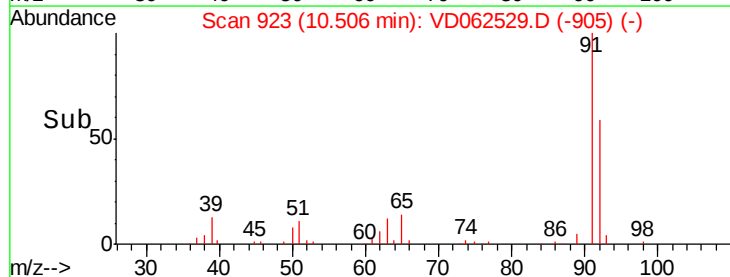
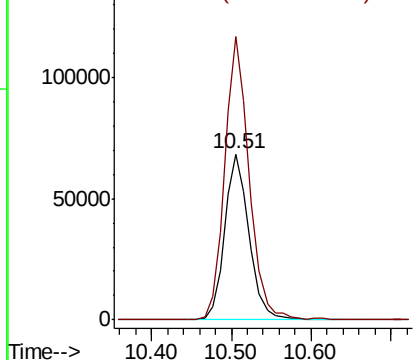


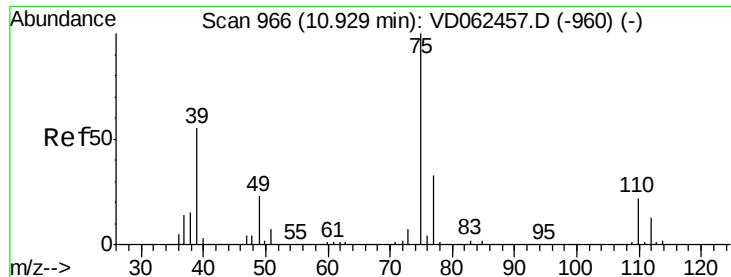
#52
Toluene
Concen: 20.297 ug/l
RT: 10.51 min Scan# 923
Delta R.T. -0.02 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

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

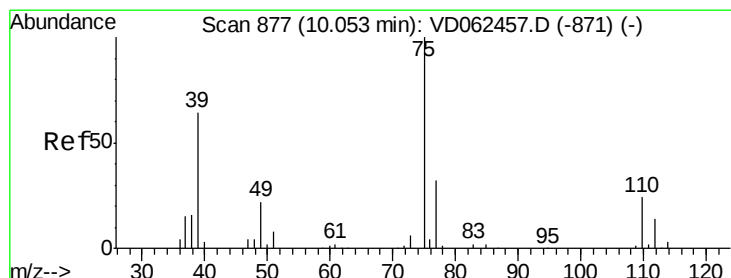
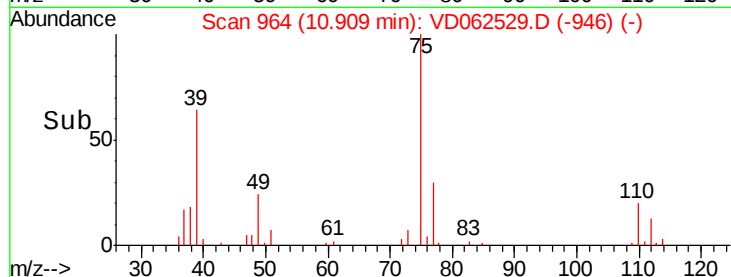
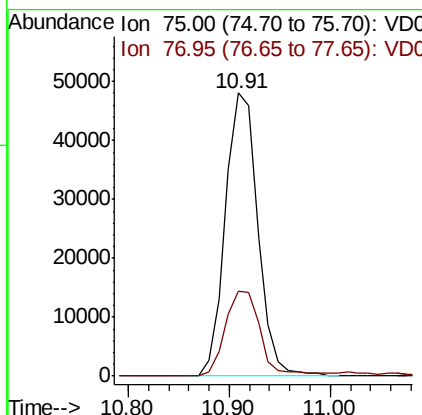
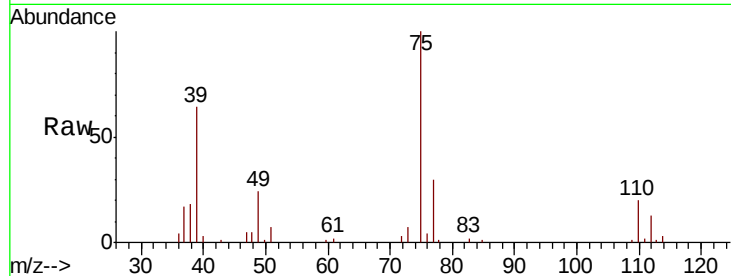




#53
 t-1,3-Dichloropropene
 Concen: 21.851 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. -0.02 min
 Lab File: VD062529.D
 Acq: 24 May 2019 14:00

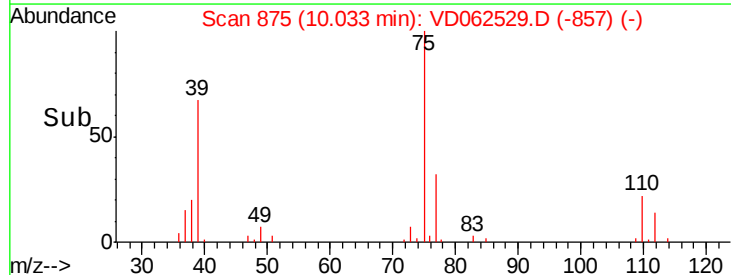
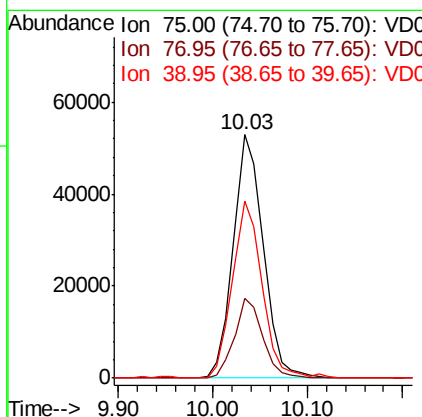
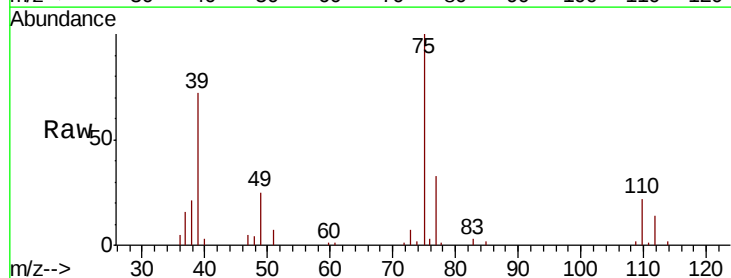
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBSD01

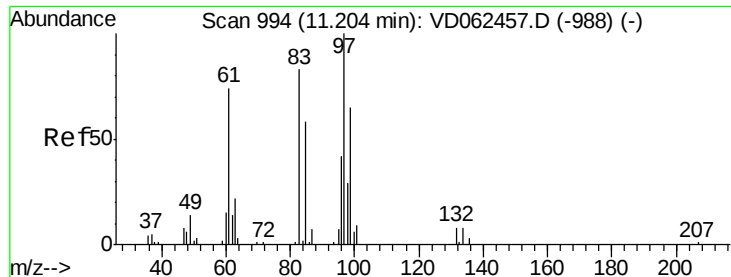
Tot Ion: 75 Resp: 107498
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.8 38.8



#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#

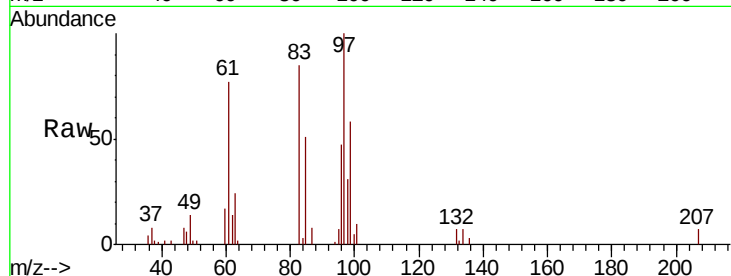




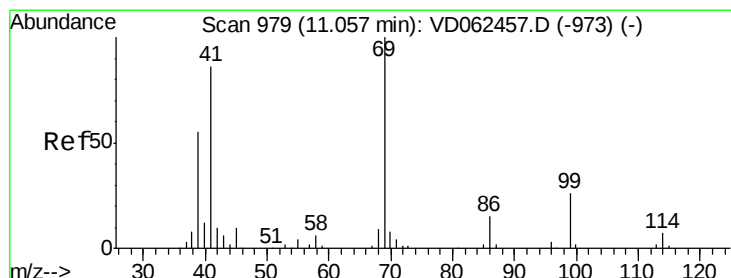
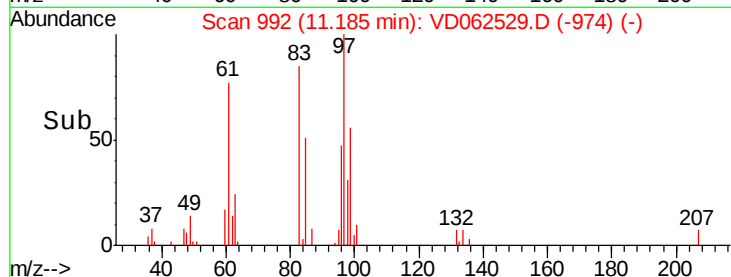
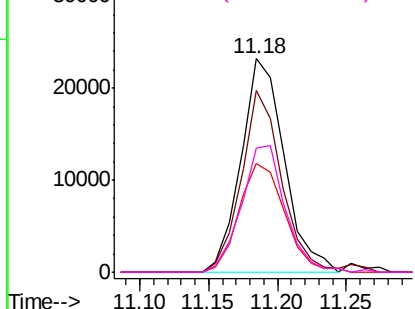
#55
 1,1,2-Trichloroethane
 Concen: 20.834 ug/l
 RT: 11.18 min Scan# 992
 Delta R.T. -0.02 min
 Lab File: VD062529.D
 Acq: 24 May 2019 14:00

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

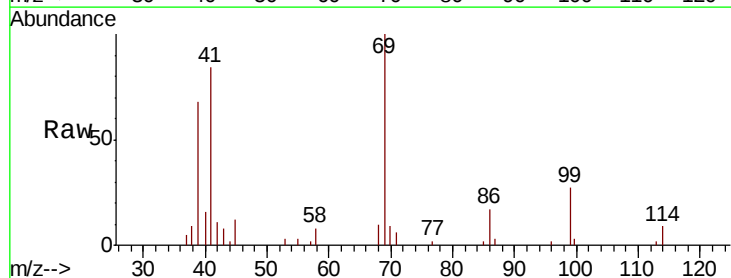


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

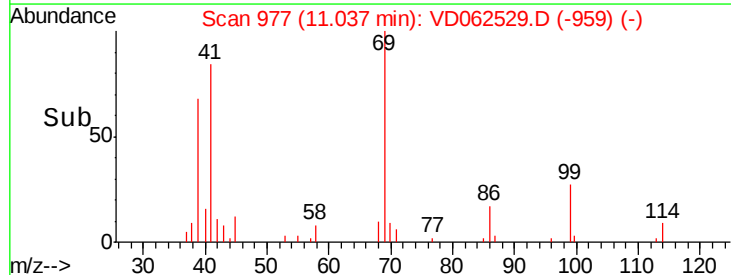
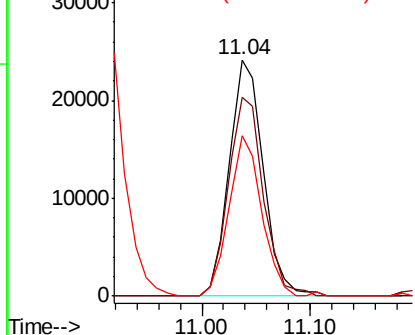


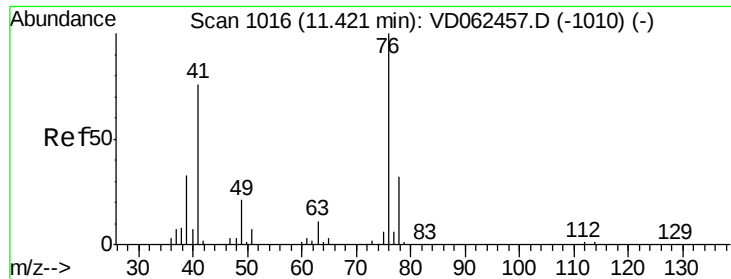
#56
 Ethyl methacrylate
 Concen: 20.165 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.02 min
 Lab File: VD062529.D
 Acq: 24 May 2019 14:00

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 :

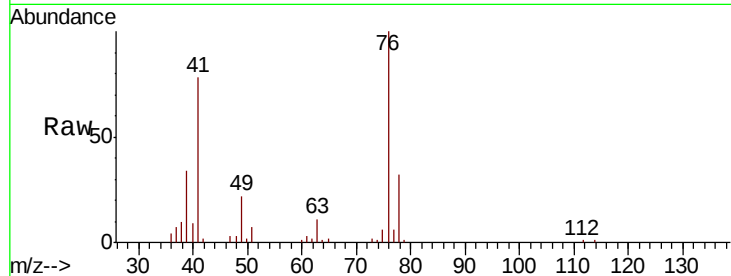
VD0524SBSD01

Tot Ion: 76 Resp: 76392

Ion Ratio Lower Upper

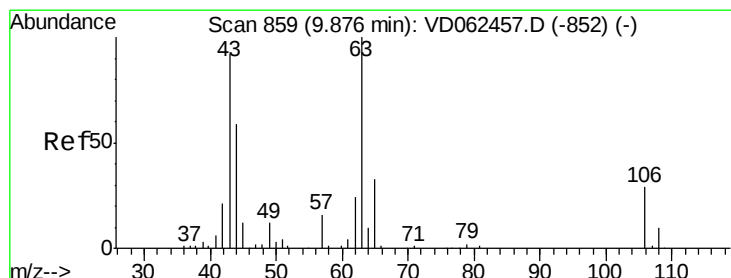
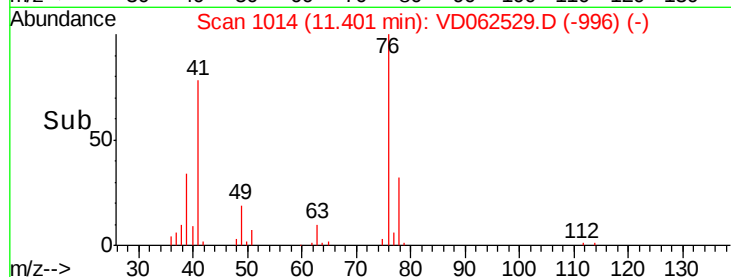
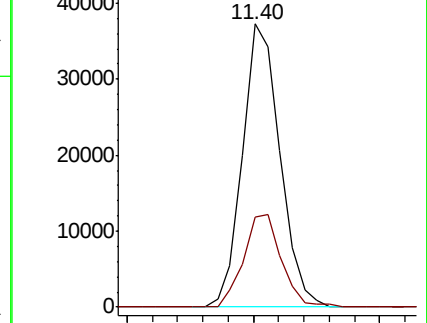
76 100

78 31.8 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): 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

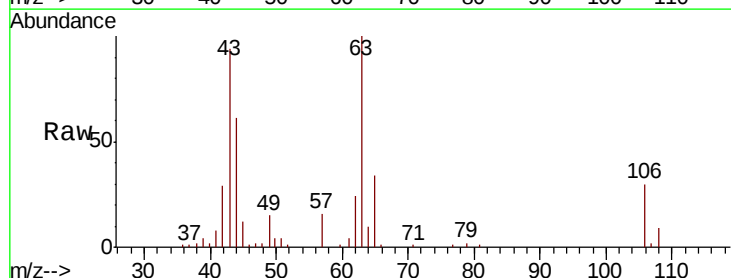
Acq: 24 May 2019 14:00

Tgt Ion: 63 Resp: 149815

Ion Ratio Lower Upper

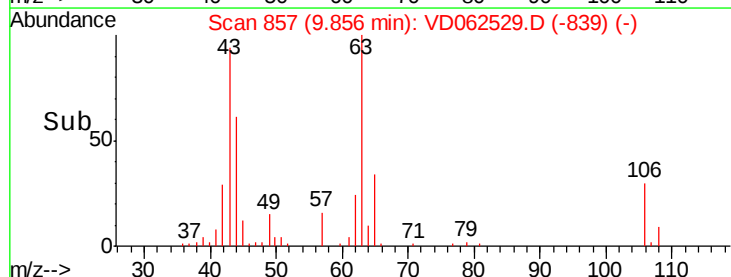
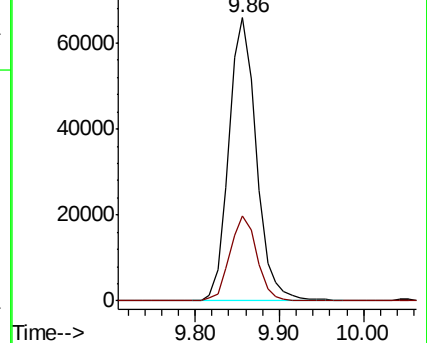
63 100

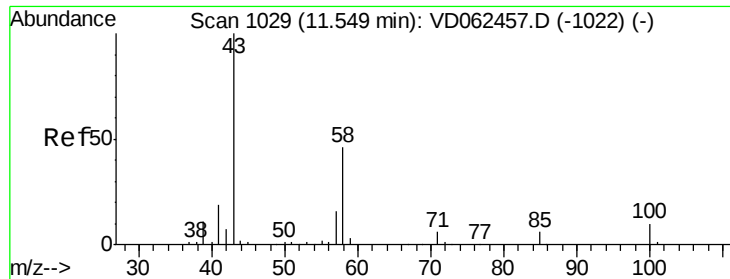
106 30.0 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

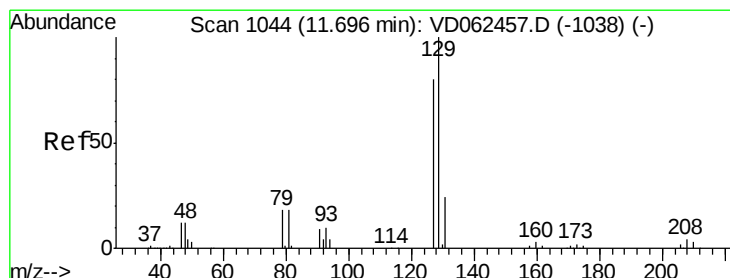
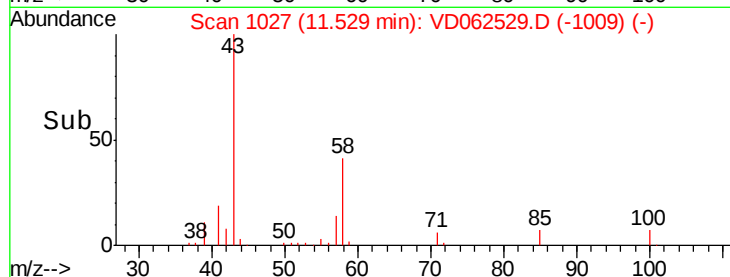
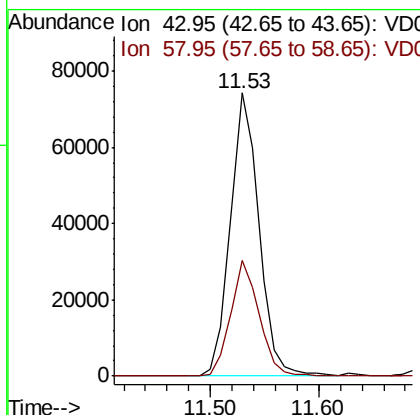
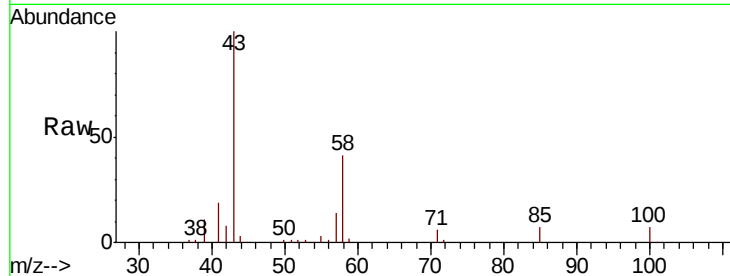




#59
2-Hexanone
Concen: 103.451 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.02 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

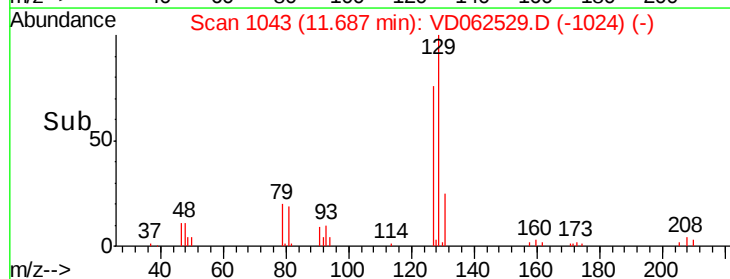
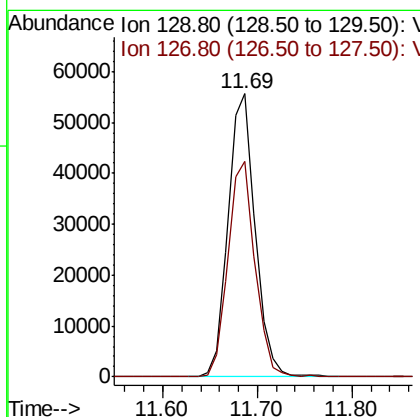
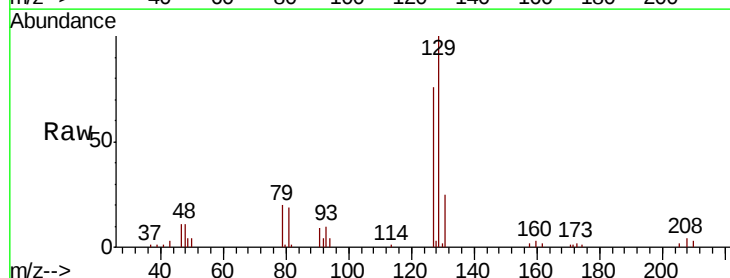
Instrument :
MSVOA_D
ClientSampleId :
VD0524SBSD01

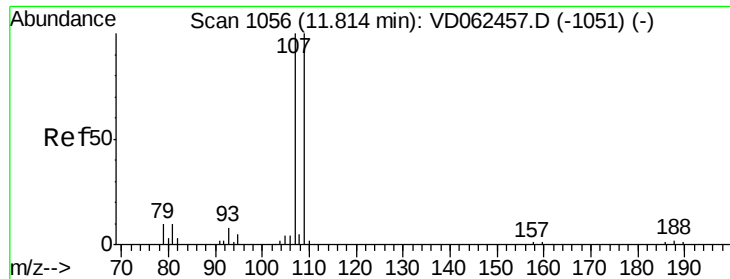
Tot Ion: 43 Resp: 137225
Ion Ratio Lower Upper
43 100
58 40.9 25.4 76.4



#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 :

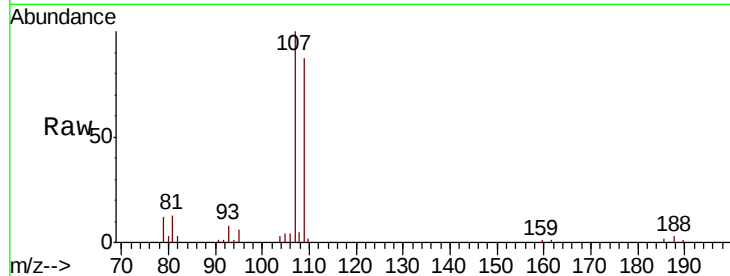
VD0524SBSD01

Tot Ion:107 Resp: 61142

Ion Ratio Lower Upper

107 100

109 87.4 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.80

40000

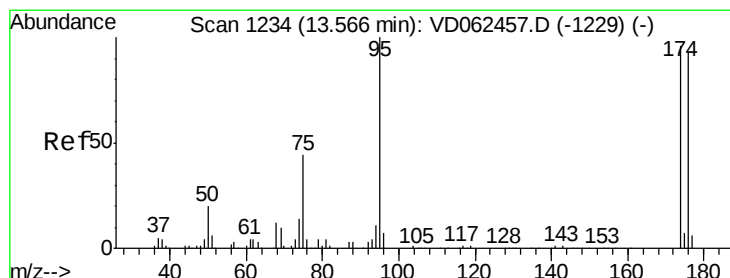
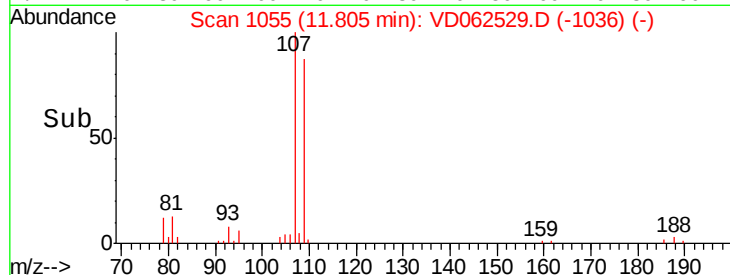
30000

20000

10000

0

Time--> 11.70 11.80 11.90



#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

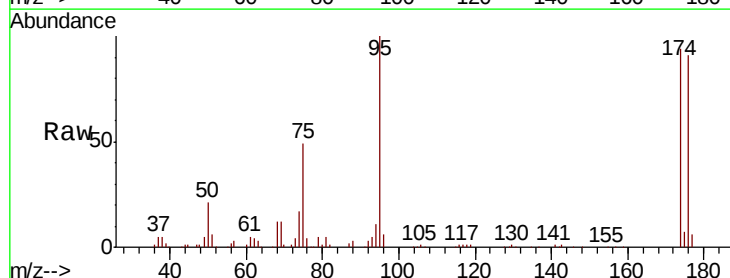
Tgt Ion: 95 Resp: 237981

Ion Ratio Lower Upper

95 100

174 94.0 0.0 181.8

176 90.8 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

200000

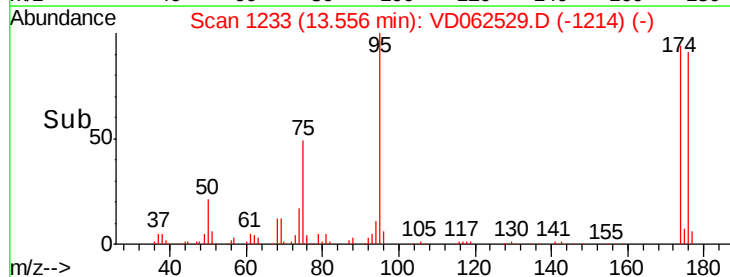
150000

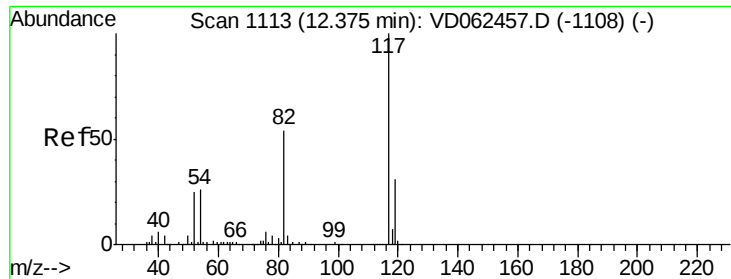
100000

50000

0

Time--> 13.50 13.56 13.60

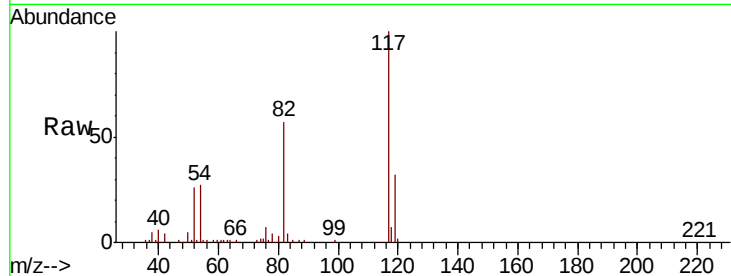




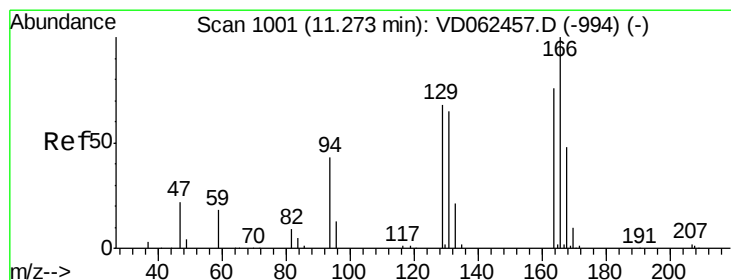
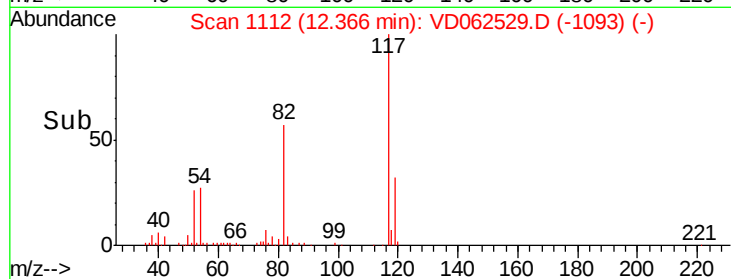
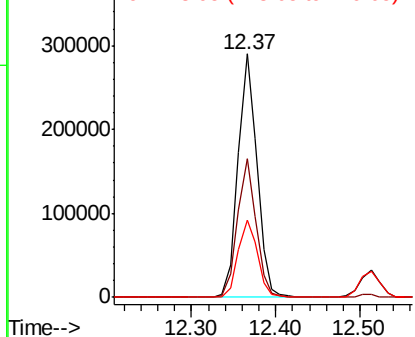
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

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

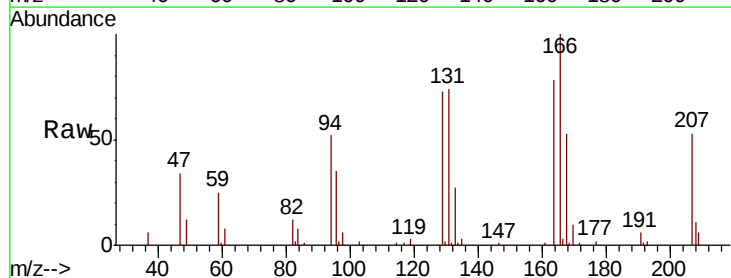


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

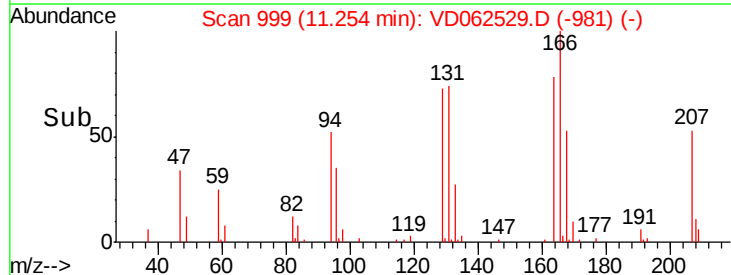
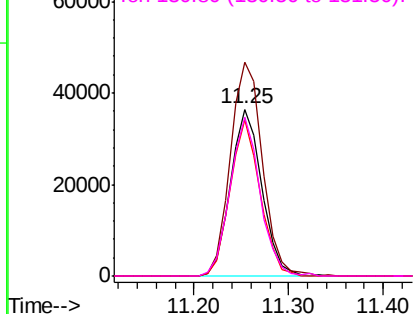


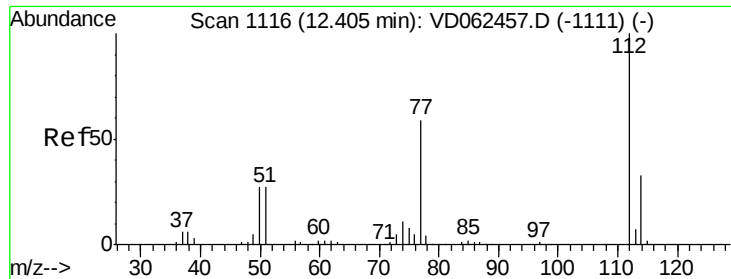
#64
Tetrachloroethene
Concen: 21.682 ug/l
RT: 11.25 min Scan# 999
Delta R.T. -0.02 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

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



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#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 :

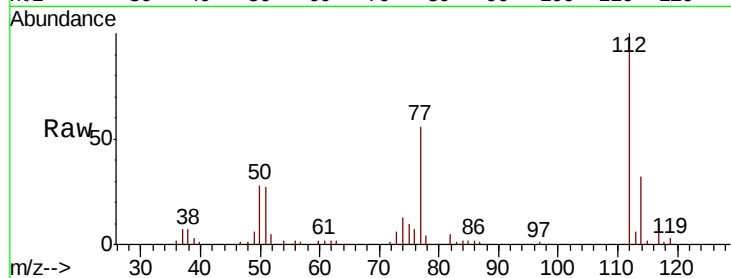
VD0524SBSD01

Tot Ion:112 Resp: 173415

Ion Ratio Lower Upper

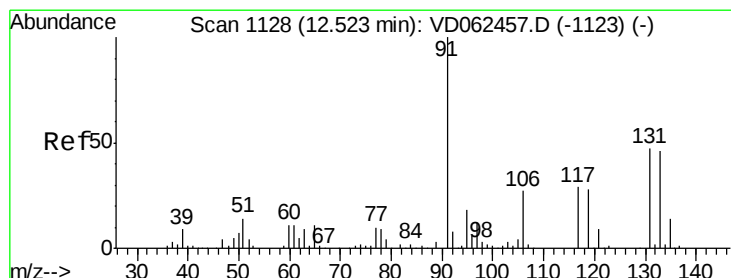
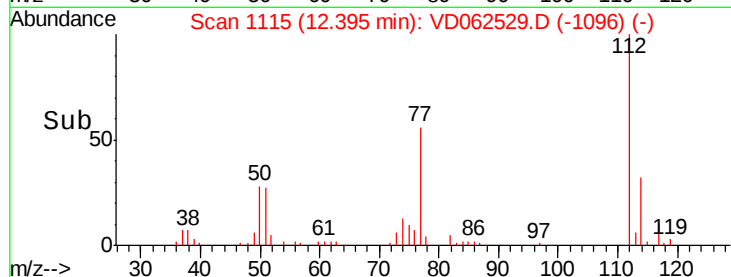
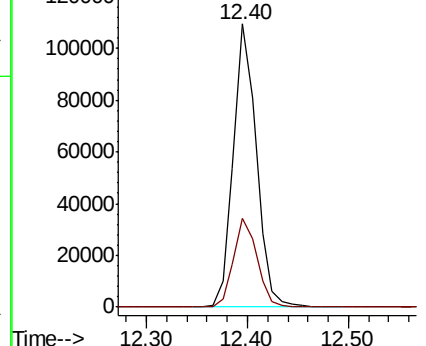
112 100

114 31.5 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#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

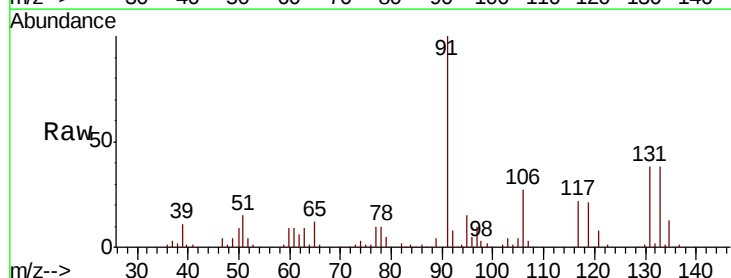
Tgt Ion:131 Resp: 92619

Ion Ratio Lower Upper

131 100

133 98.4 48.6 145.8

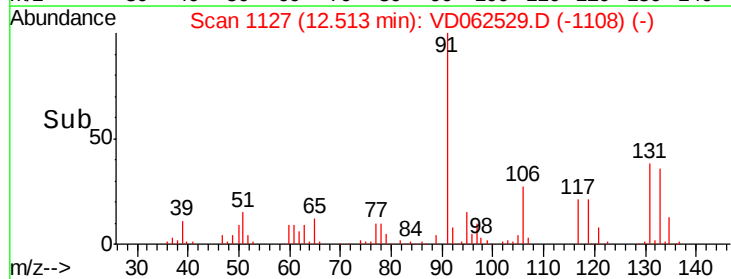
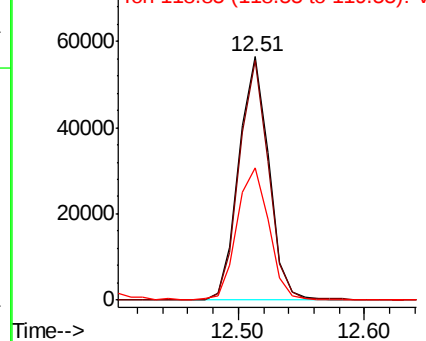
119 54.4 34.7 104.1

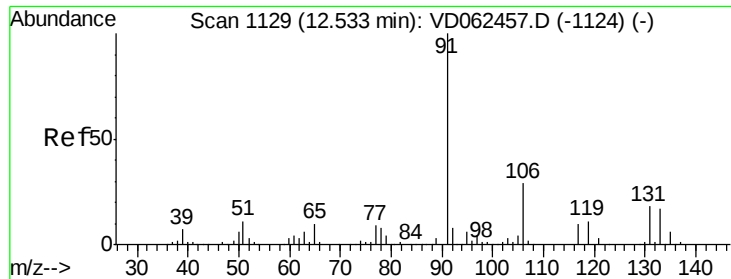


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

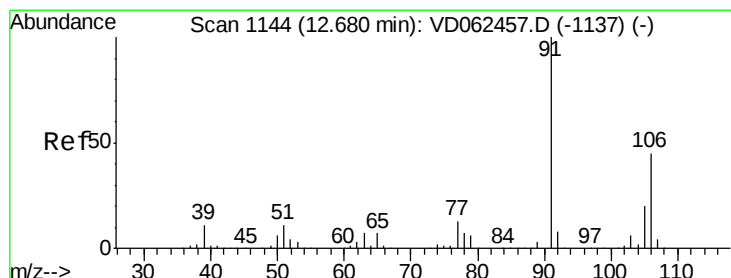
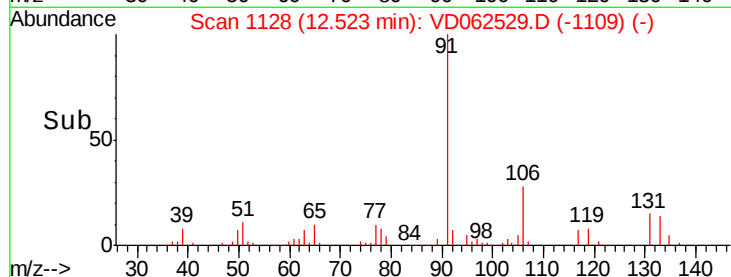
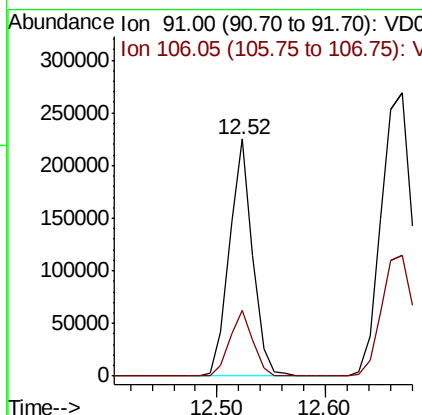
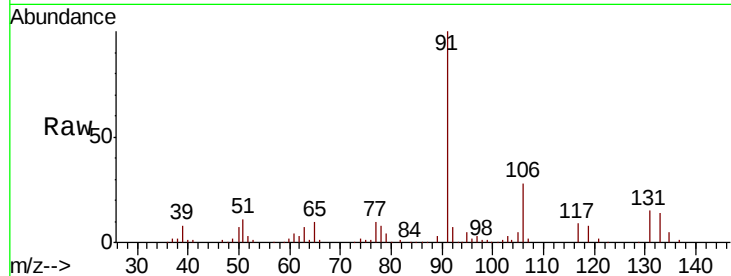




#67
Ethyl Benzene
Concen: 22.050 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

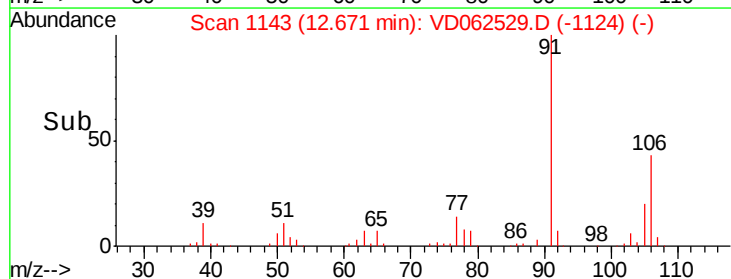
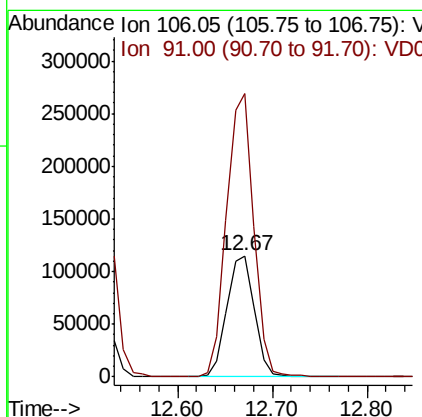
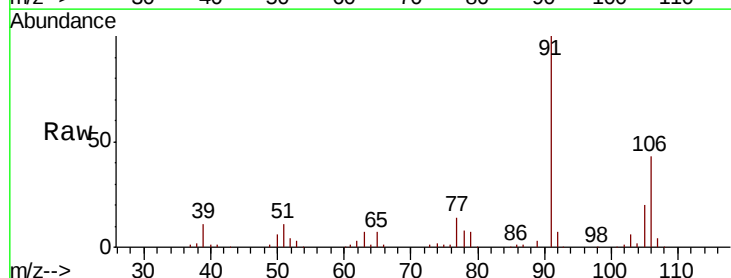
Instrument :
MSVOA_D
ClientSampleId :
VD0524SBS01

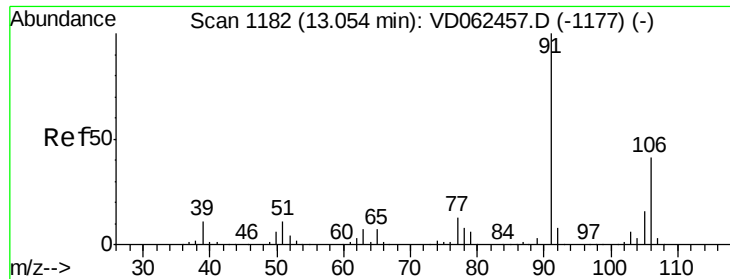
Tot Ion: 91 Resp: 334411
Ion Ratio Lower Upper
91 100
106 28.0 24.7 37.1



#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

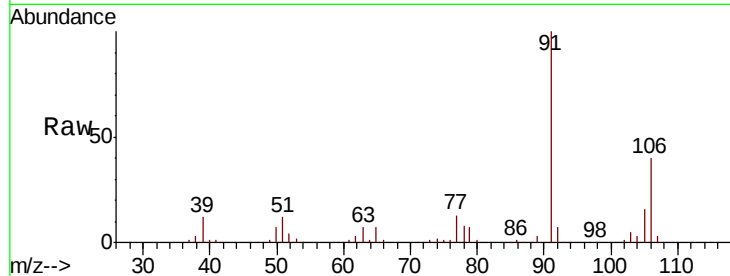




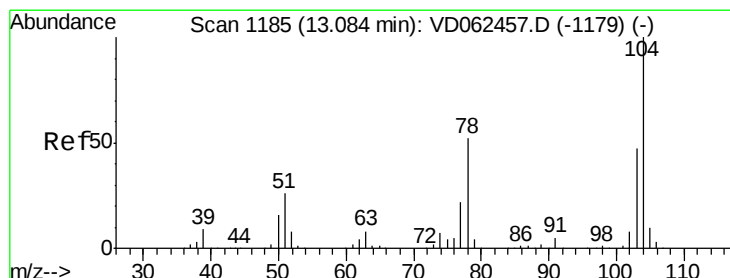
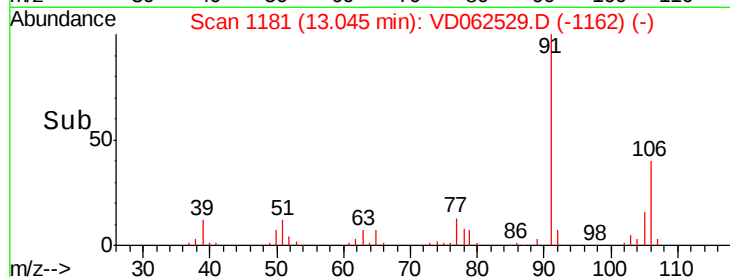
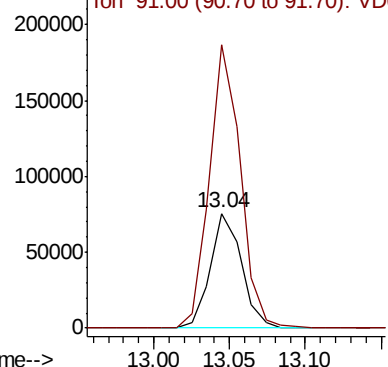
#69
o-Xylene
Concen: 21.101 ug/l
RT: 13.04 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

Instrument :
MSVOA_D
ClientSampleId :
VD0524SBSD01

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

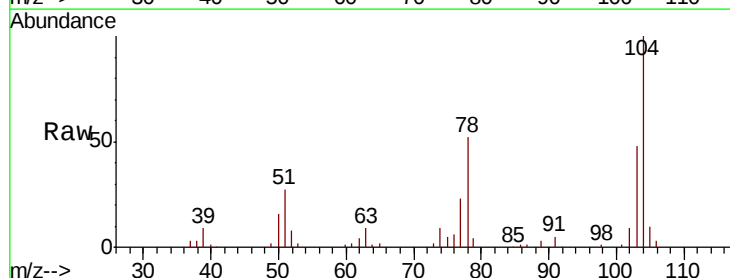


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

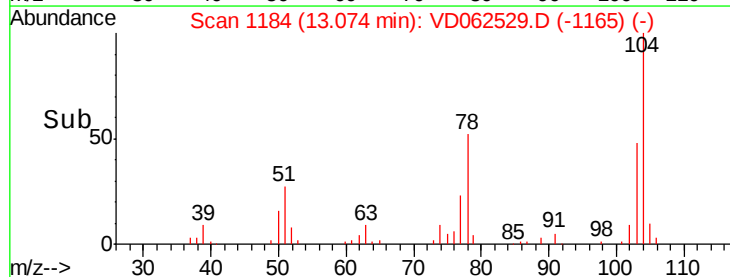
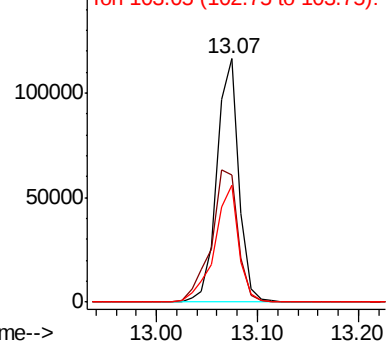


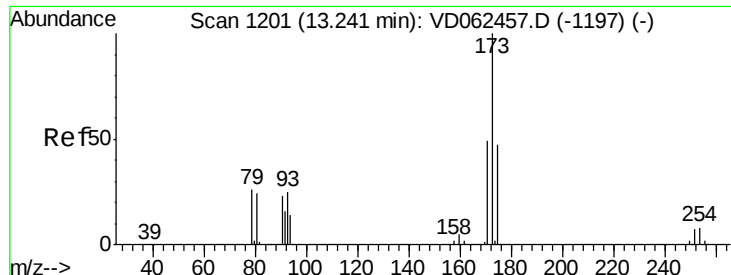
#70
Styrene
Concen: 20.193 ug/l
RT: 13.07 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

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

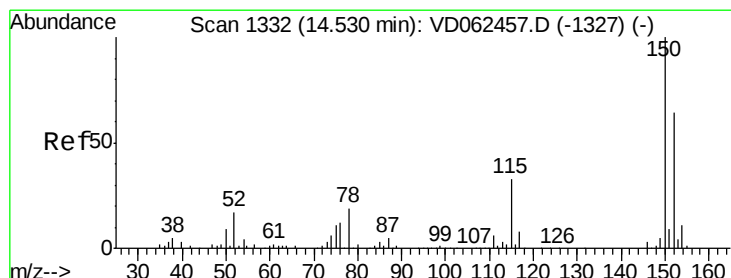
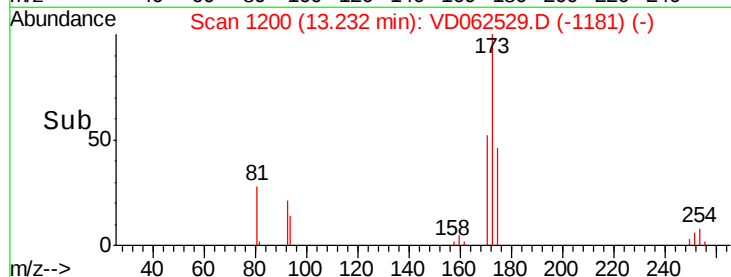
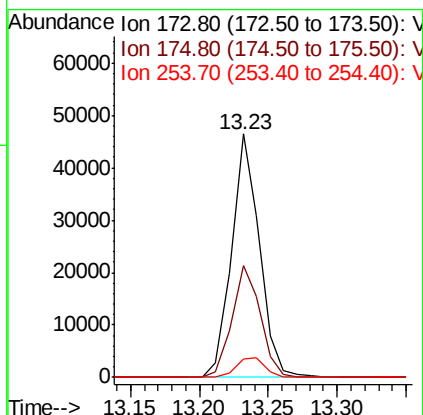
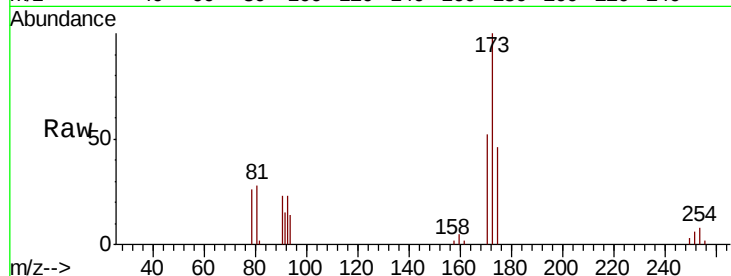




#71
Bromoform
Concen: 24.086 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VD062529.D
Acq: 24 May 2019 14:00

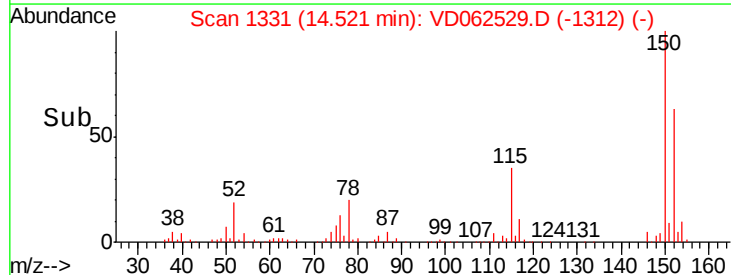
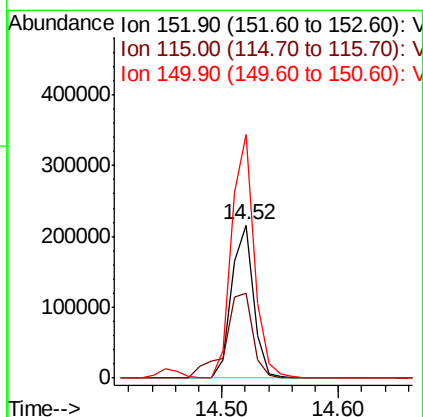
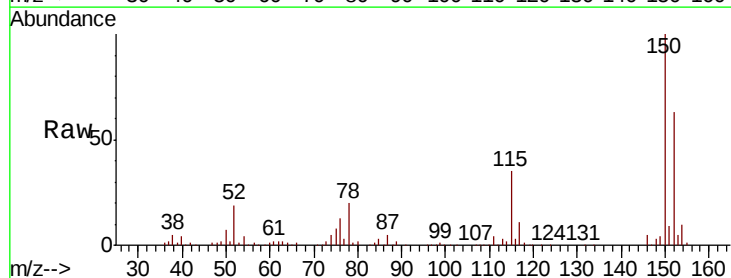
Instrument :
MSVOA_D
ClientSampleId :
VD0524SBSD01

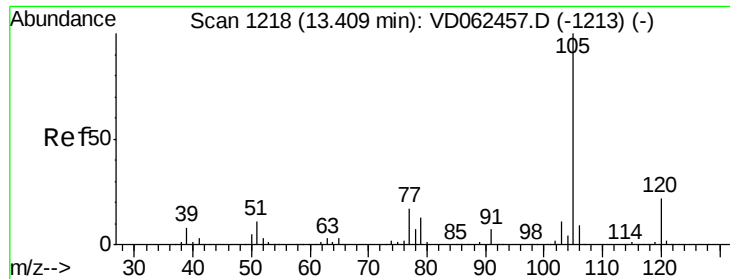
Tot Ion:173 Resp: 65014
Ion Ratio Lower Upper
173 100
175 46.1 24.4 73.4
254 7.7 5.4 8.2



#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 :

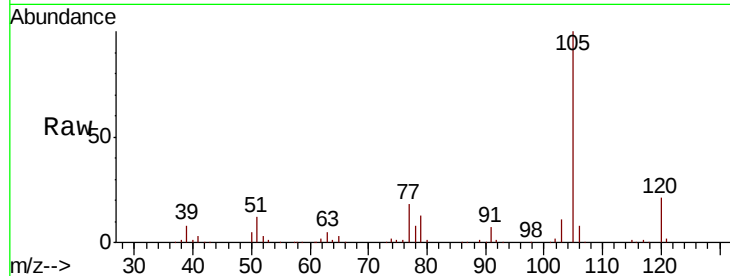
VD0524SBSD01

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

250000

200000

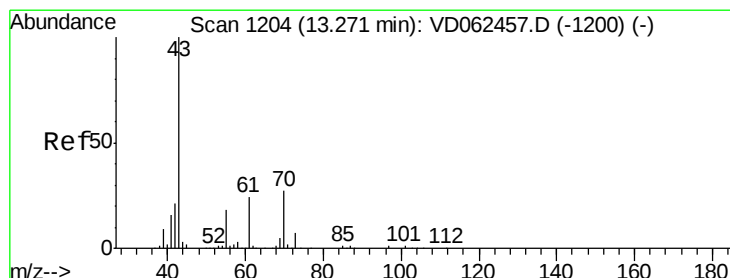
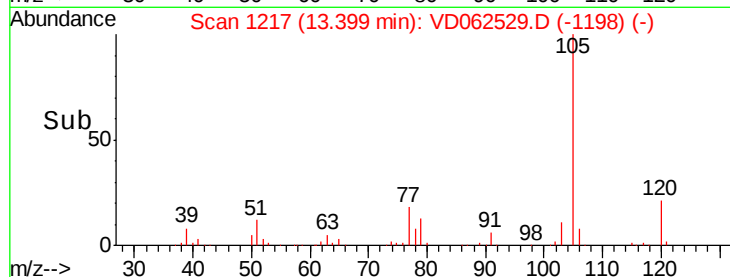
150000

100000

50000

0

Time--> 13.35 13.40 13.45 13.50



#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

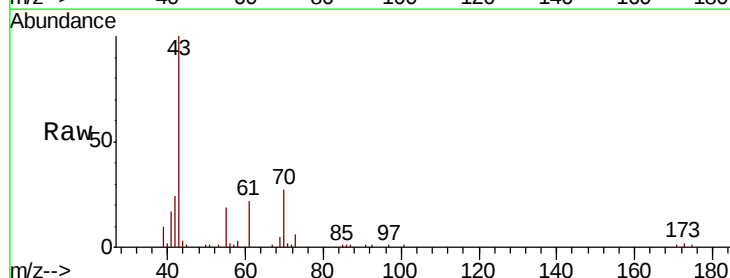
Ion Ratio Lower Upper

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

80000

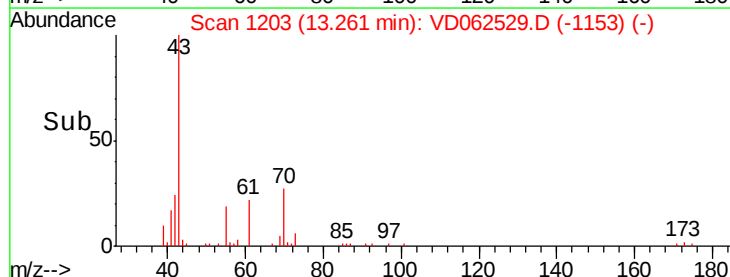
60000

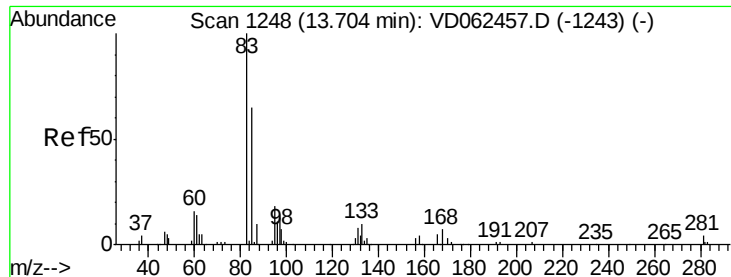
40000

20000

0

Time--> 13.20 13.25 13.30 13.35





#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

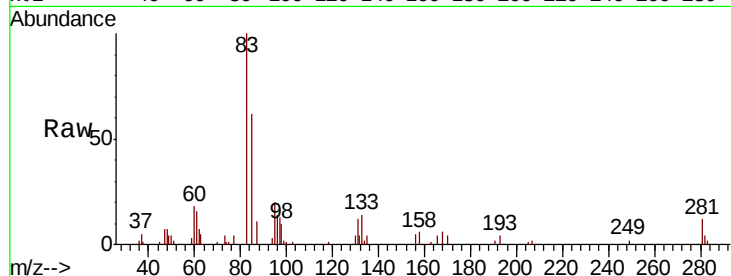
Tot Ion: 83 Resp: 56664

Ion Ratio Lower Upper

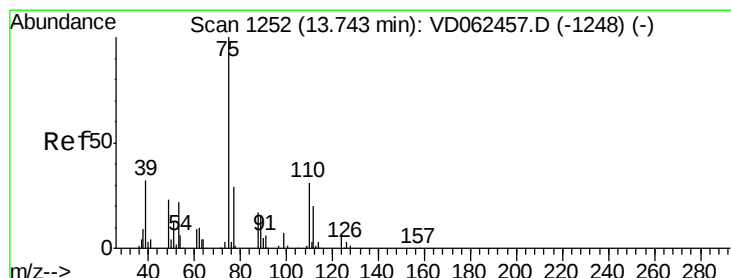
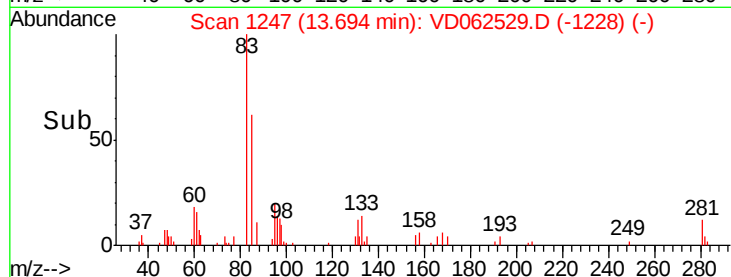
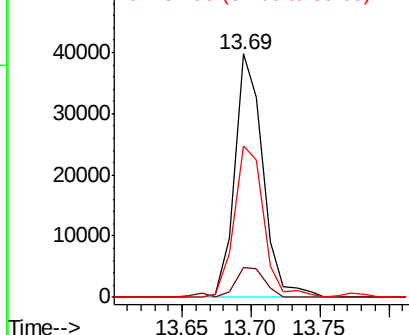
83 100

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

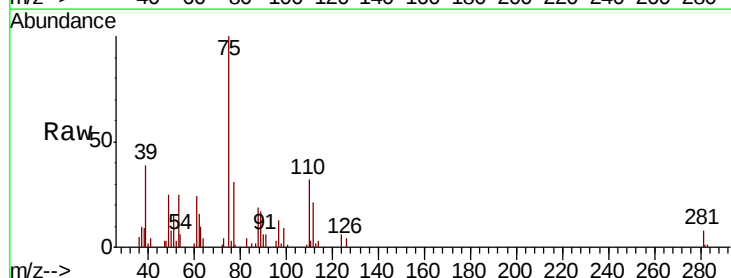
Acq: 24 May 2019 14:00

Tgt Ion: 75 Resp: 64818

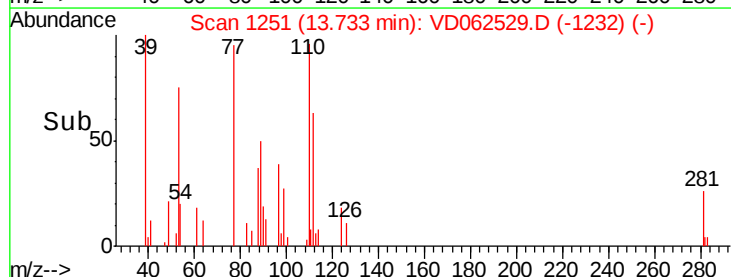
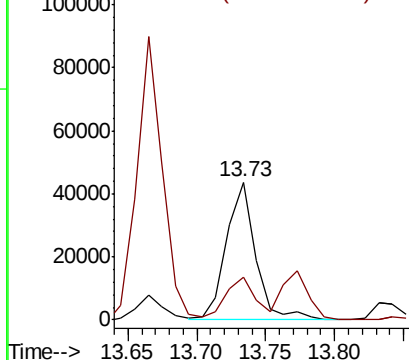
Ion Ratio Lower Upper

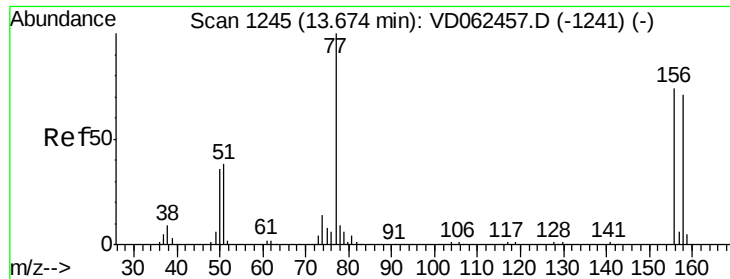
75 100

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 :

VD0524SBSD01

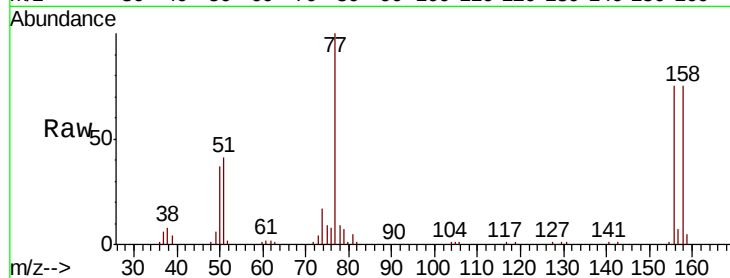
Tot Ion:156 Resp: 95846

Ion Ratio Lower Upper

156 100

77 133.9 53.1 159.4

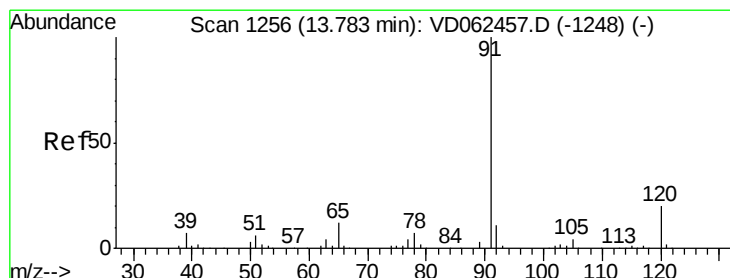
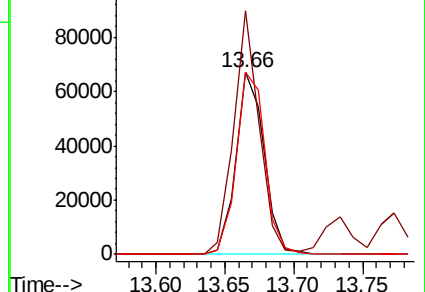
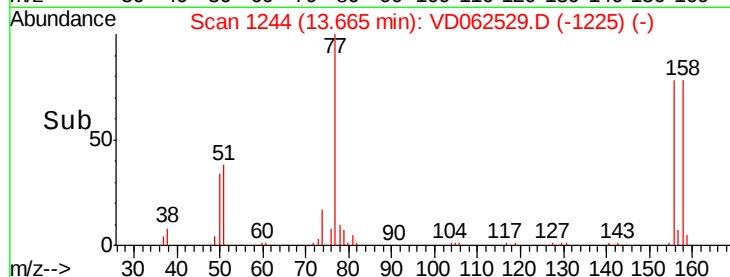
158 100.3 49.4 148.0



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

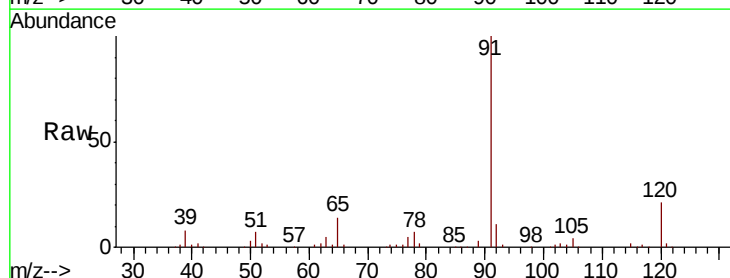
Acq: 24 May 2019 14:00

Tgt Ion: 91 Resp: 415313

Ion Ratio Lower Upper

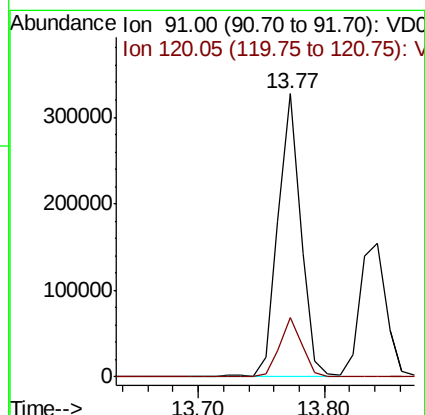
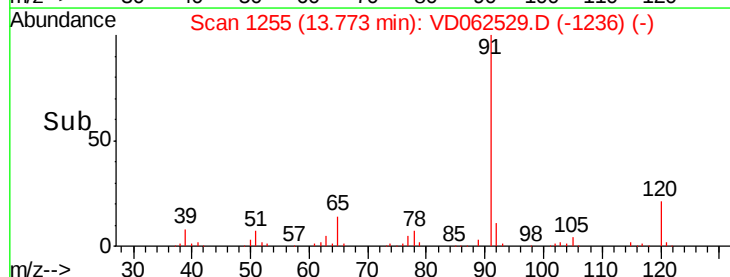
91 100

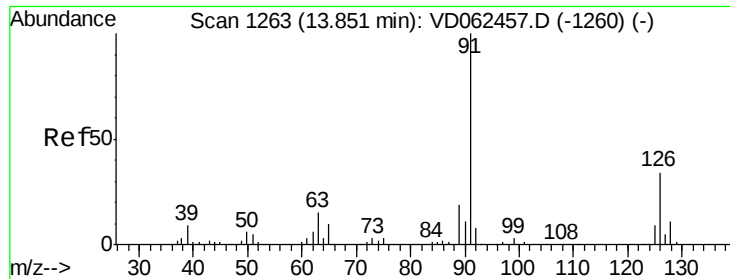
120 20.8 11.1 33.1



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 :

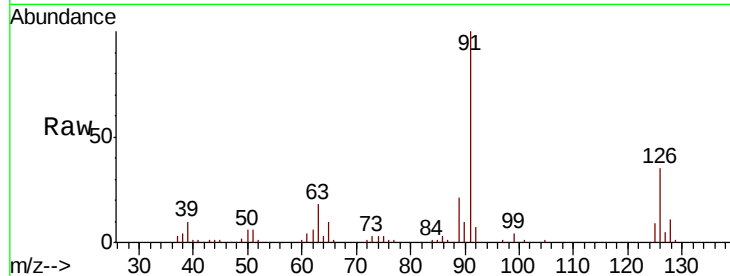
VD0524SBSD01

Tot Ion: 91 Resp: 226511

Ion Ratio Lower Upper

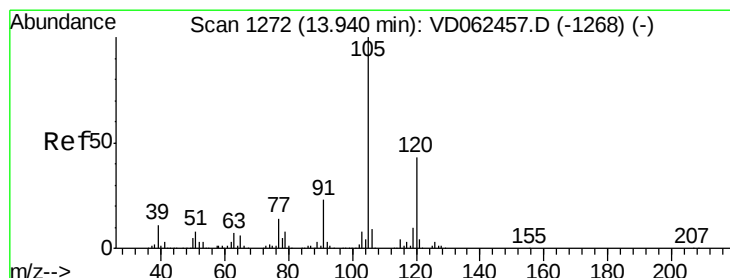
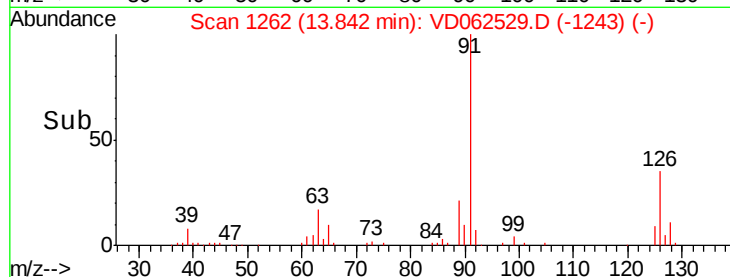
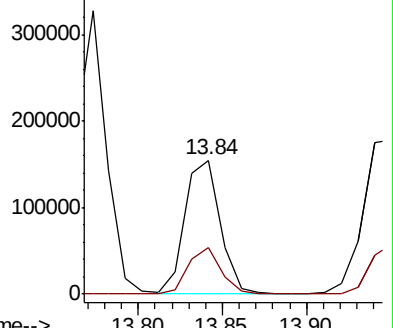
91 100

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

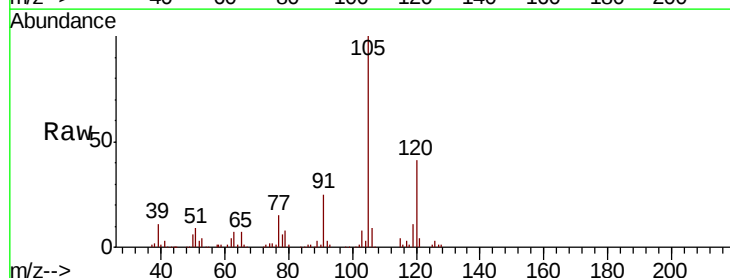
Acq: 24 May 2019 14:00

Tgt Ion:105 Resp: 305064

Ion Ratio Lower Upper

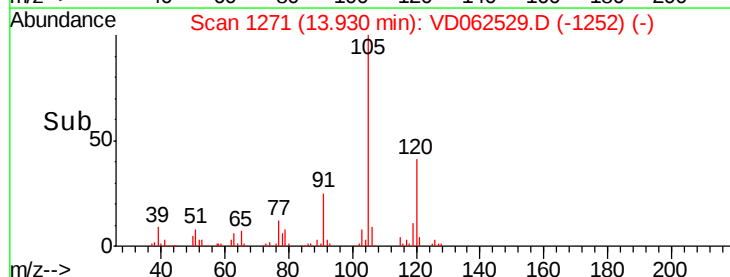
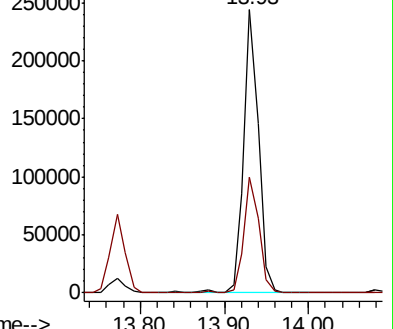
105 100

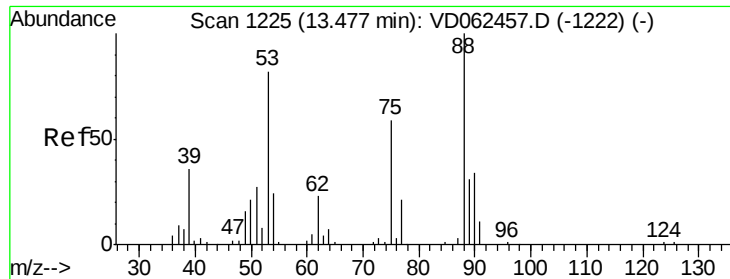
120 41.1 24.0 72.0



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

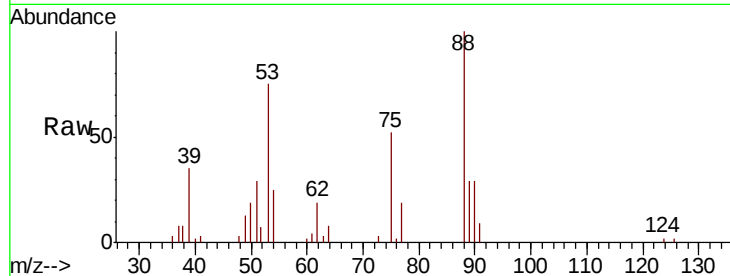
Tot Ion: 75 Resp: 17132

Ion Ratio Lower Upper

75 100

53 144.0 65.8 98.8#

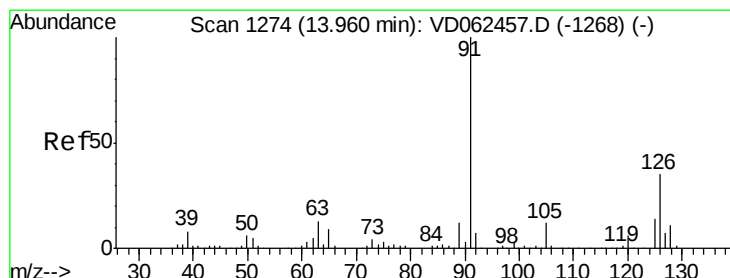
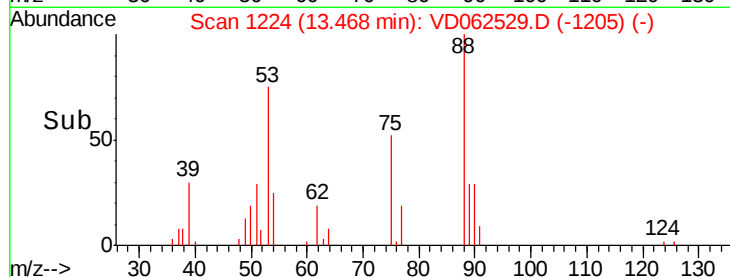
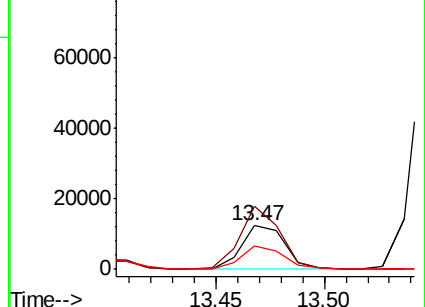
89 54.9 35.0 52.6#



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

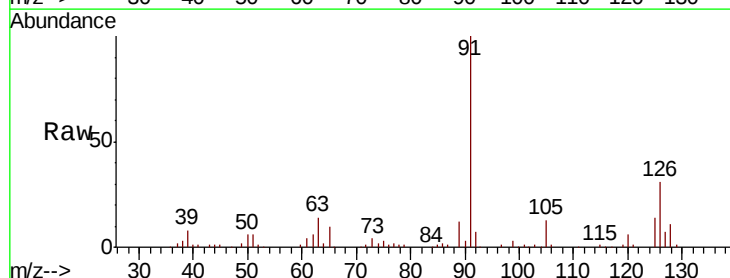
Acq: 24 May 2019 14:00

Tgt Ion: 91 Resp: 285916

Ion Ratio Lower Upper

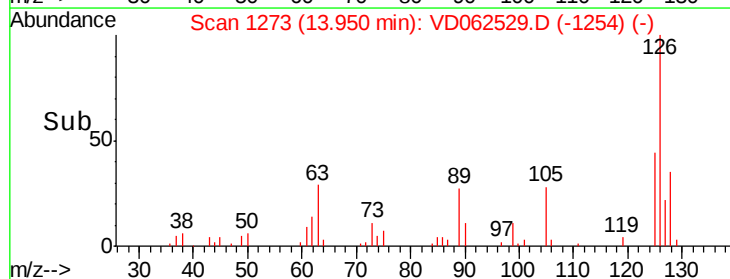
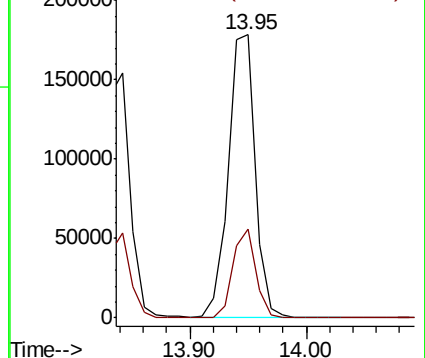
91 100

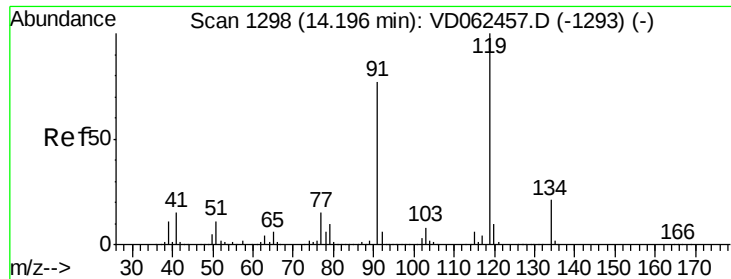
126 31.2 19.1 57.5



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

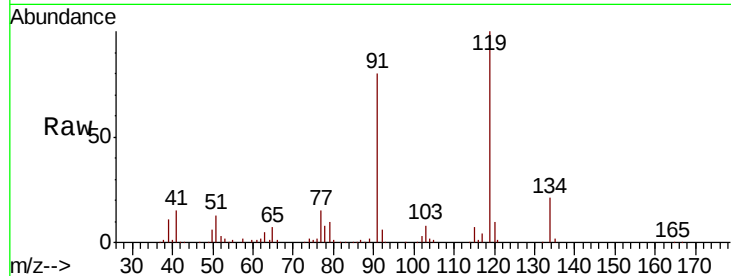
Tot Ion:119 Resp: 332776

Ion Ratio Lower Upper

119 100

91 80.5 34.2 102.6

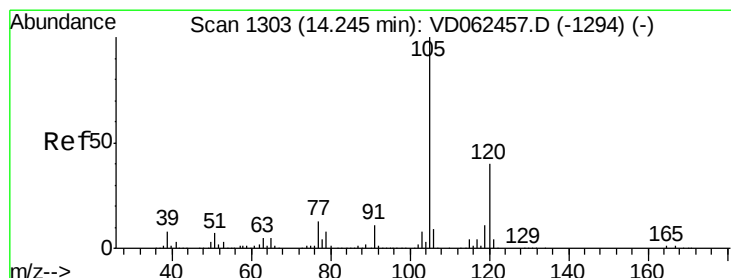
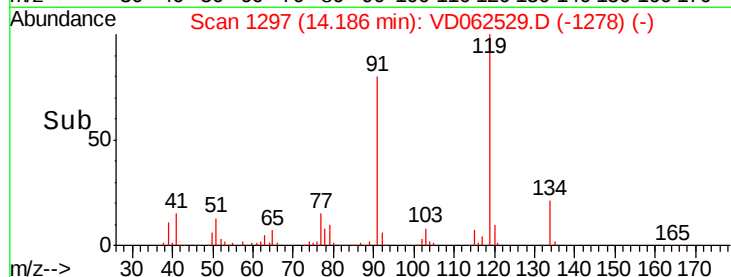
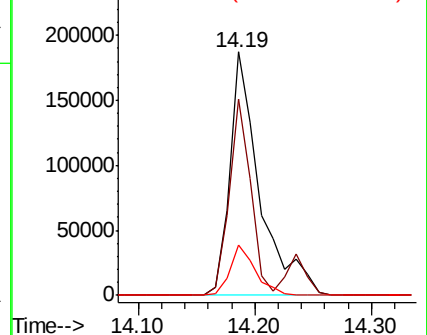
134 20.8 12.0 36.0



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#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

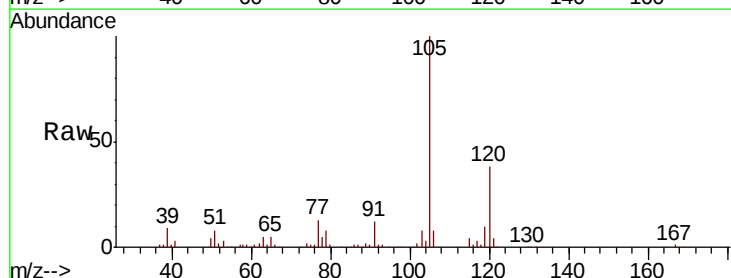
Acq: 24 May 2019 14:00

Tgt Ion:105 Resp: 321716

Ion Ratio Lower Upper

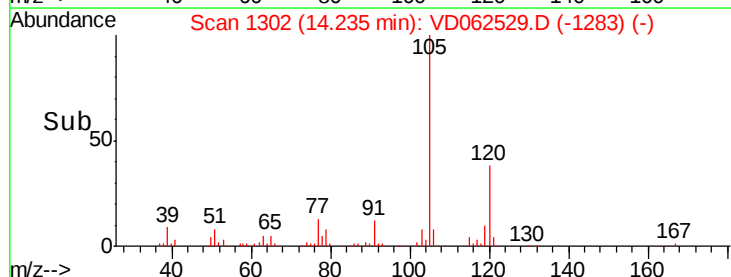
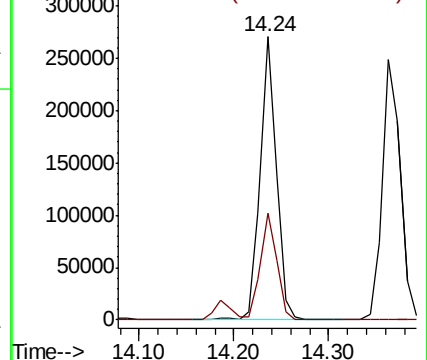
105 100

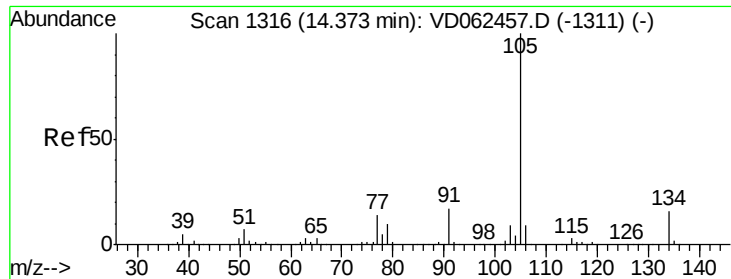
120 37.8 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#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 :

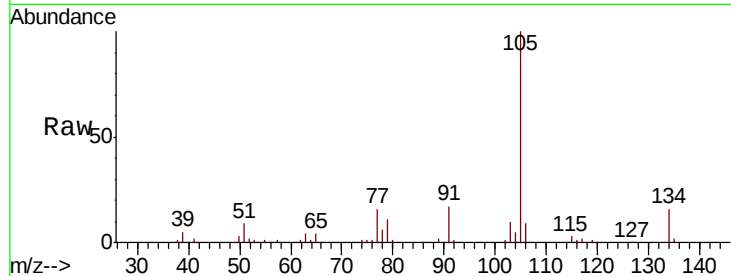
VD0524SBS01

Tot Ion:105 Resp: 331518

Ion Ratio Lower Upper

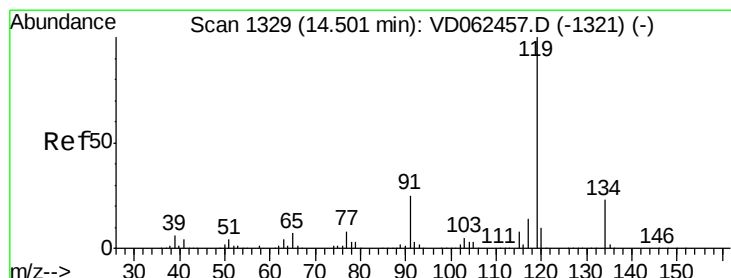
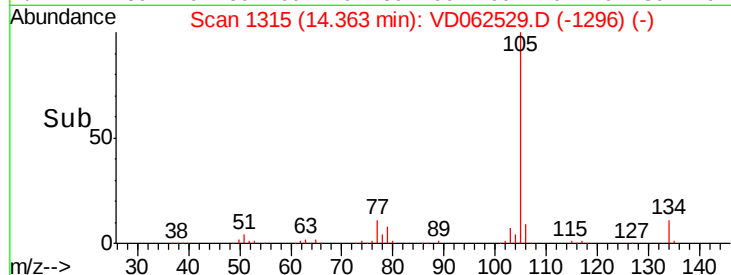
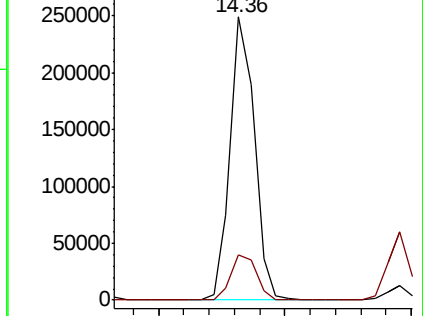
105 100

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

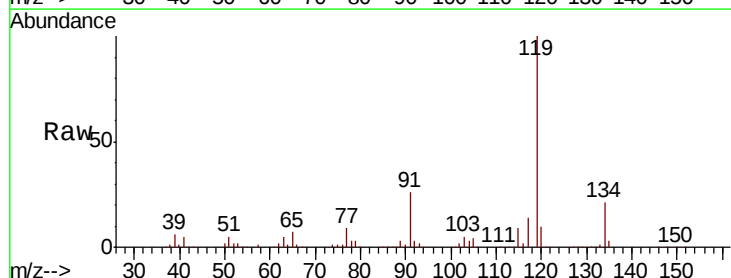
Tgt Ion:119 Resp: 336910

Ion Ratio Lower Upper

119 100

134 21.4 12.8 38.3

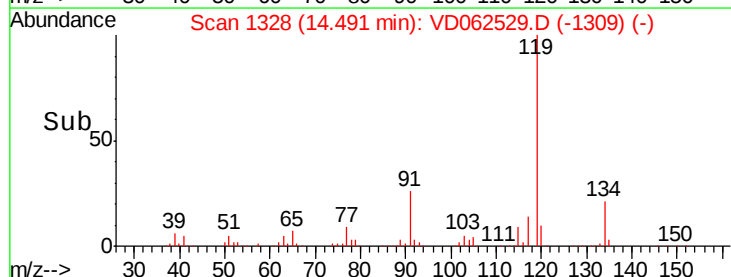
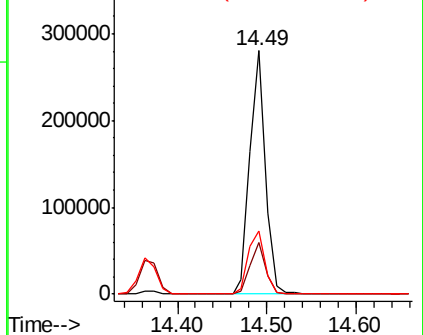
91 25.7 10.7 32.1

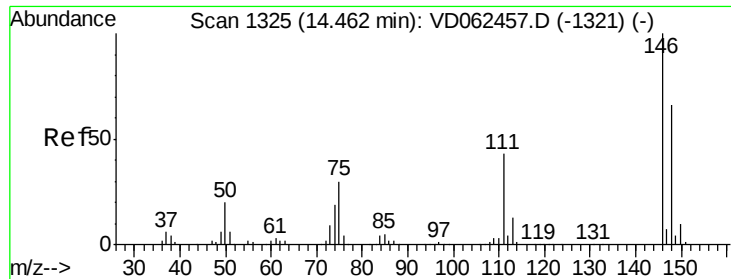


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

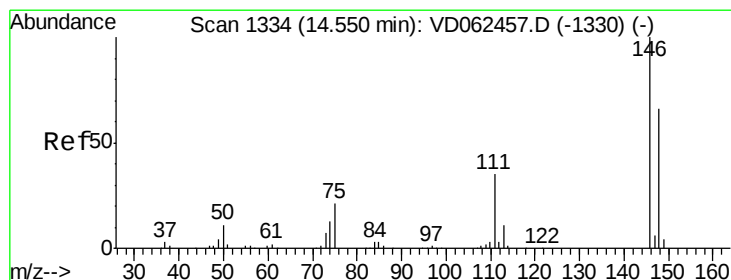
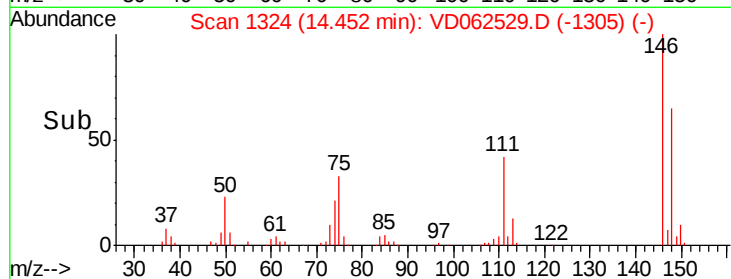
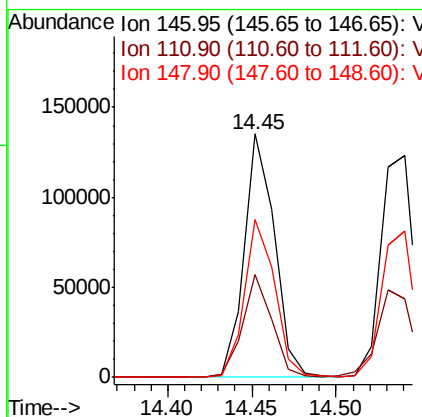
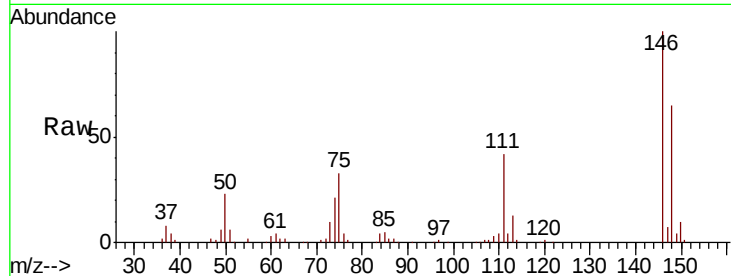




#87
 1,3-Dichlorobenzene
 Concen: 18.923 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD062529.D
 Acq: 24 May 2019 14:00

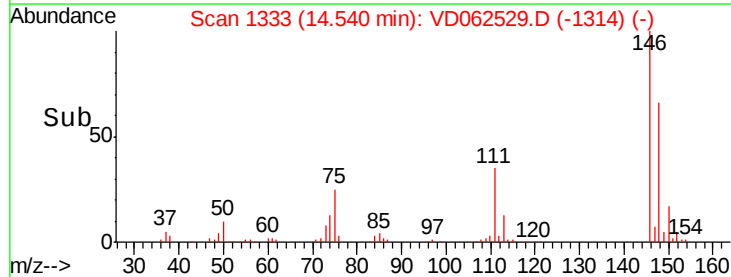
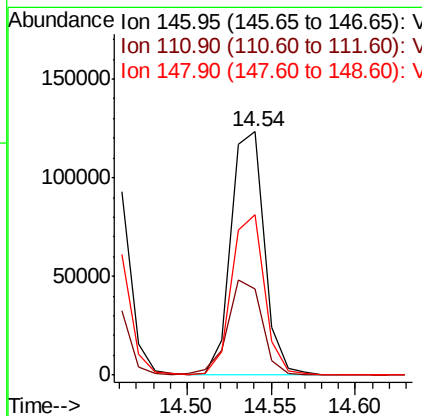
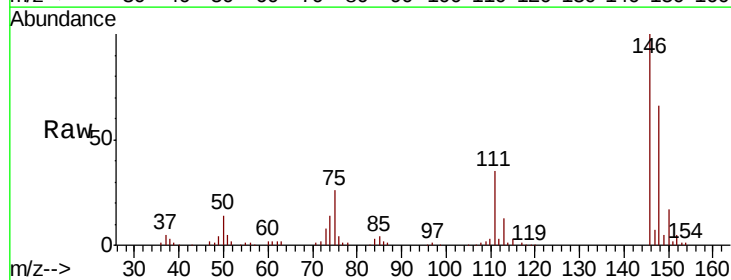
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBSD01

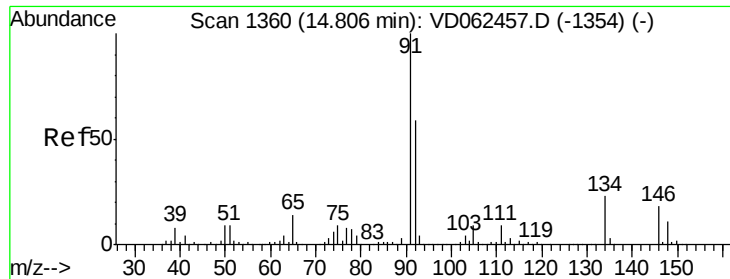
Tot Ion:146 Resp: 168829
 Ion Ratio Lower Upper
 146 100
 111 42.4 20.0 60.0
 148 65.0 31.8 95.4



#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

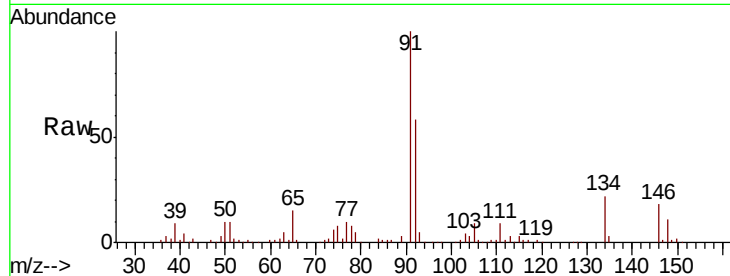
Tot Ion: 91 Resp: 295899

Ion Ratio Lower Upper

91 100

92 57.8 30.3 91.0

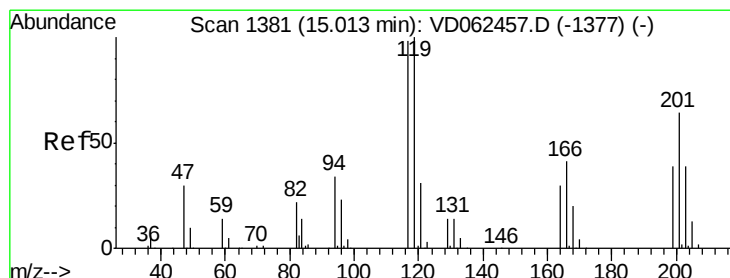
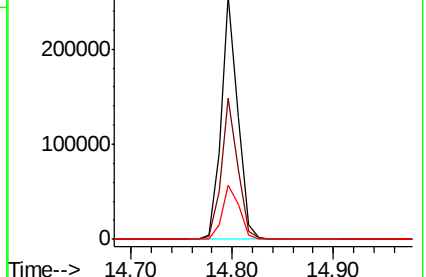
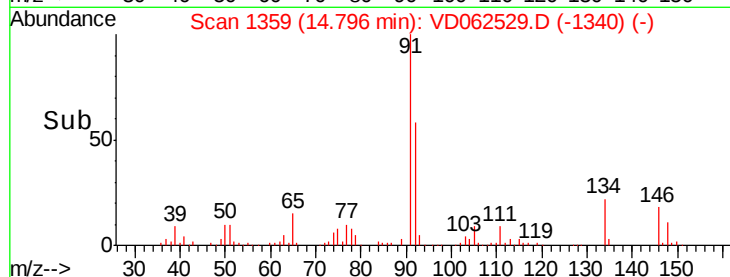
134 22.1 14.5 43.6



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



#90

Hexachloroethane

Concen: 19.508 ug/l

RT: 15.00 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD062529.D

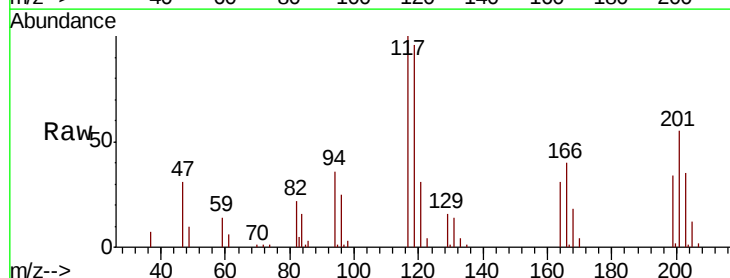
Acq: 24 May 2019 14:00

Tgt Ion: 117 Resp: 87141

Ion Ratio Lower Upper

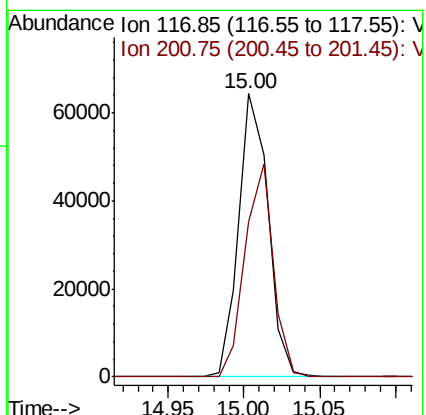
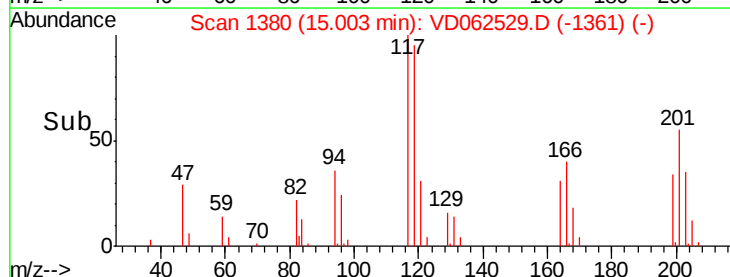
117 100

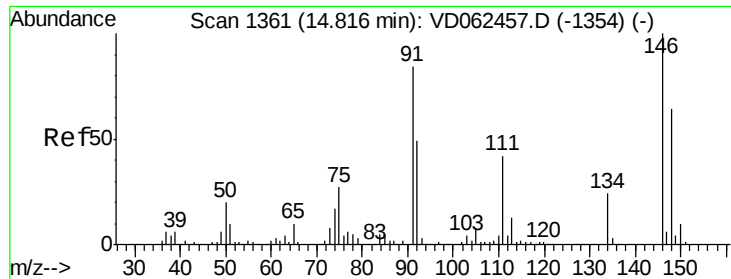
201 54.8 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#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

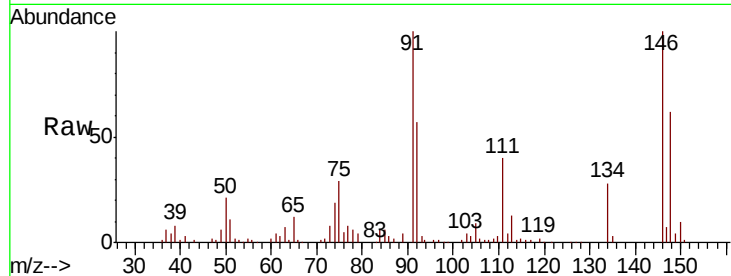
Tot Ion:146 Resp: 151591

Ion Ratio Lower Upper

146 100

111 39.9 20.0 59.9

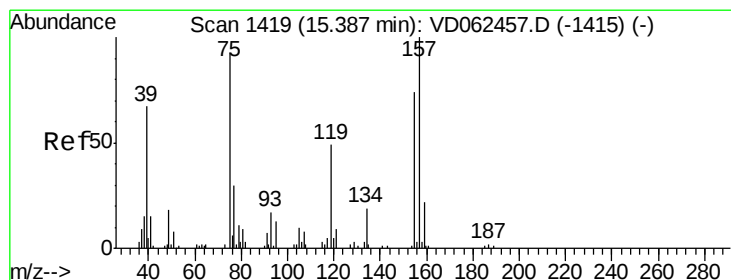
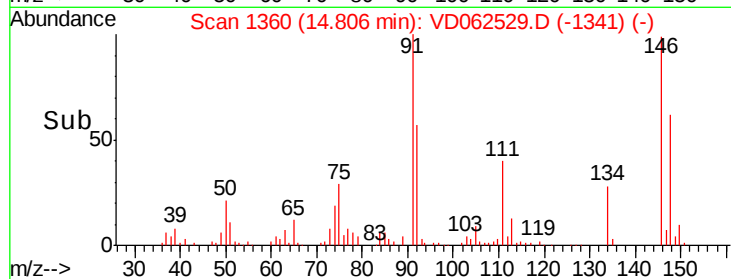
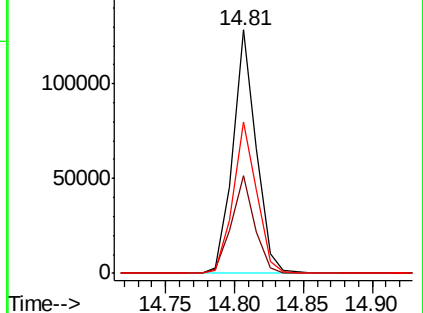
148 62.0 32.3 96.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#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

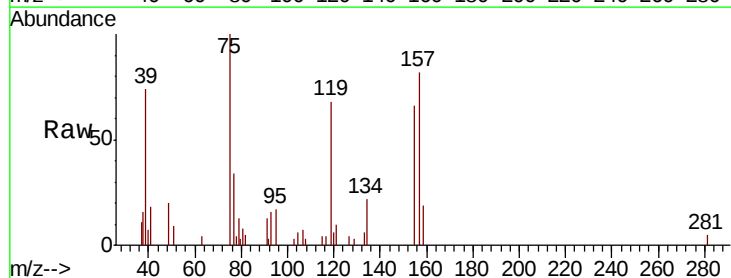
Tgt Ion: 75 Resp: 12998

Ion Ratio Lower Upper

75 100

155 66.2 55.3 165.8

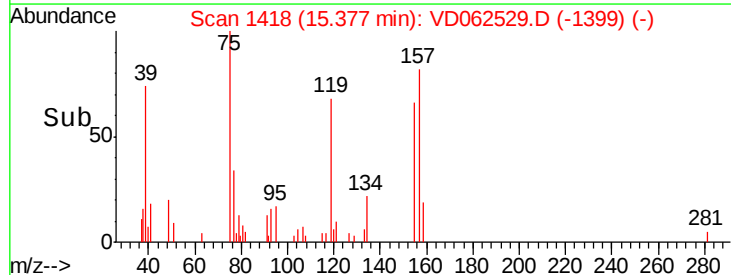
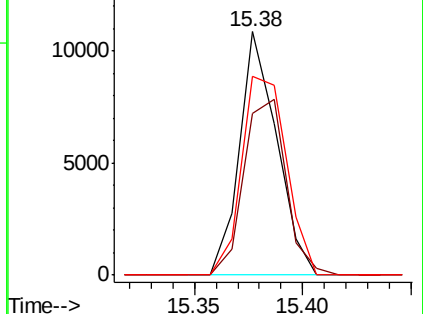
157 81.8 67.8 203.2

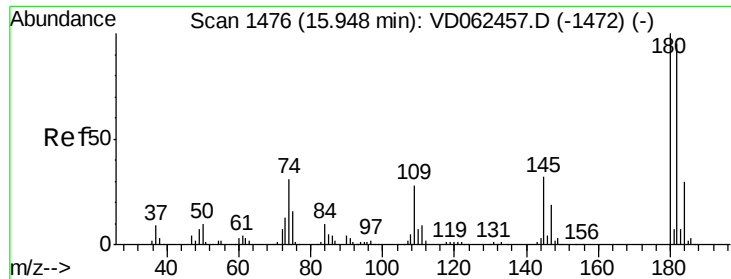


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

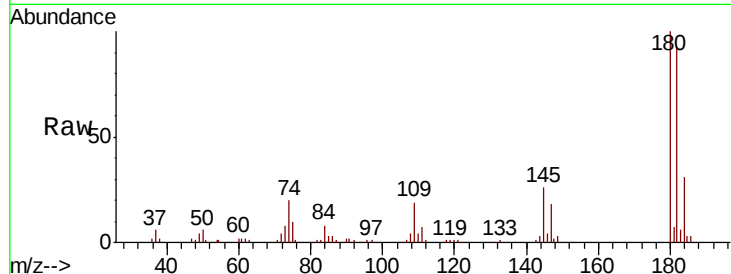




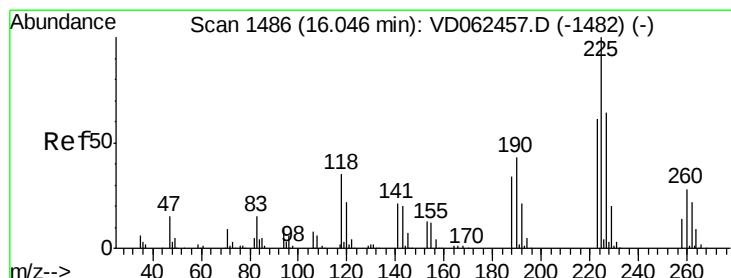
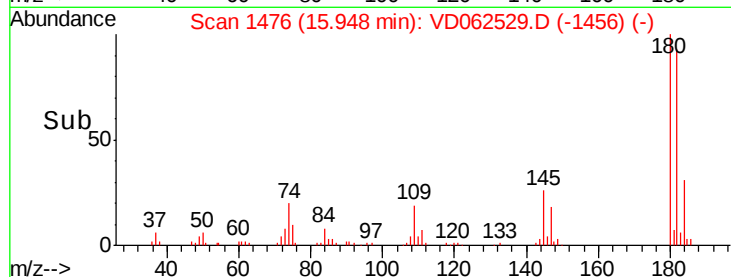
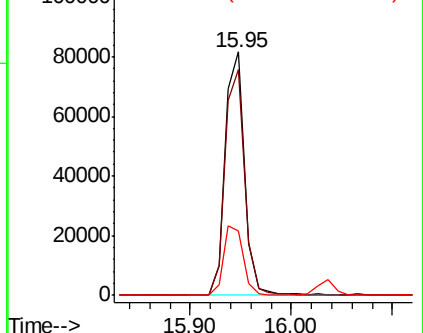
#93
 1,2,4-Trichlorobenzene
 Concen: 18.184 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VD062529.D
 Acq: 24 May 2019 14:00

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

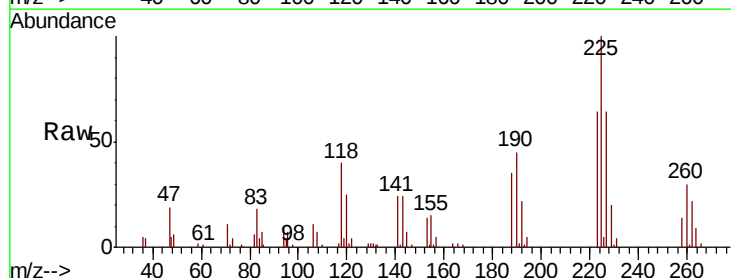


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

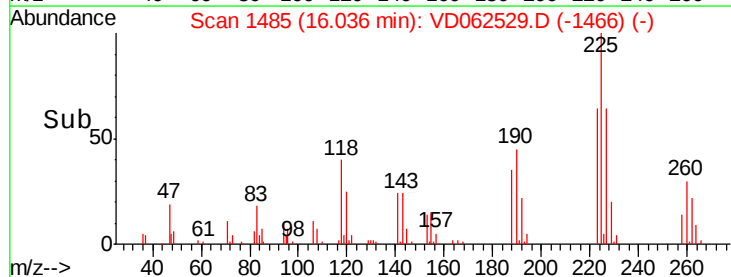
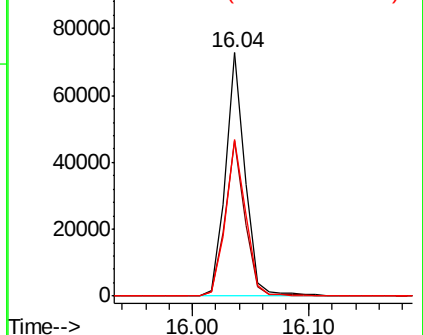


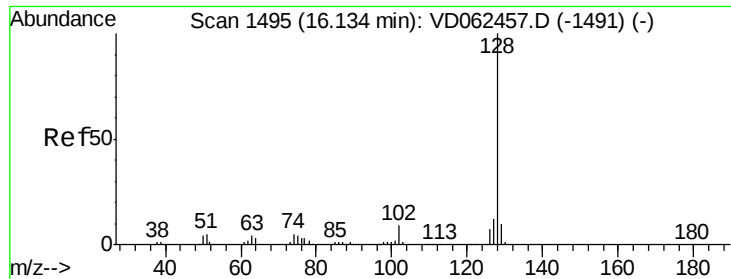
#94
 Hexachlorobutadiene
 Concen: 19.194 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD062529.D
 Acq: 24 May 2019 14:00

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

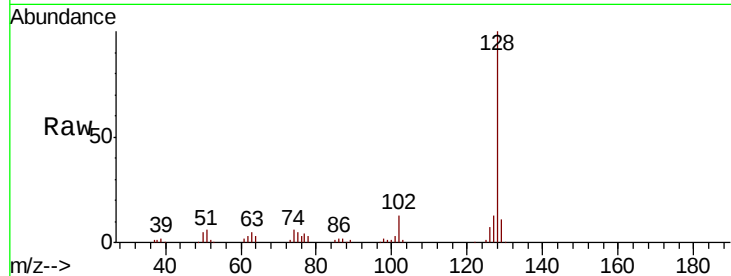
Tot Ion:128 Resp: 143565

Ion Ratio Lower Upper

128 100

127 13.3 9.8 14.8

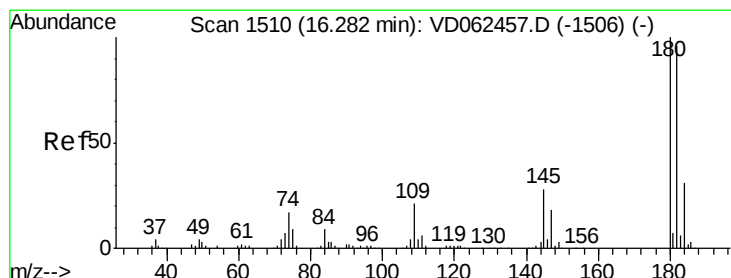
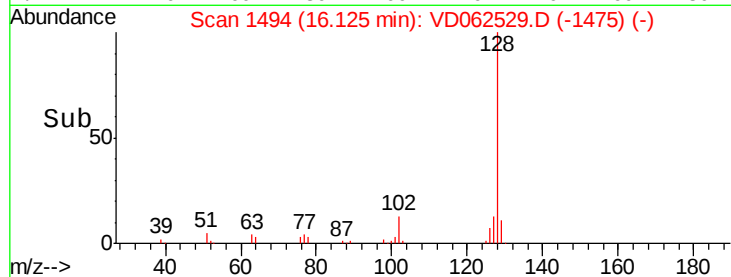
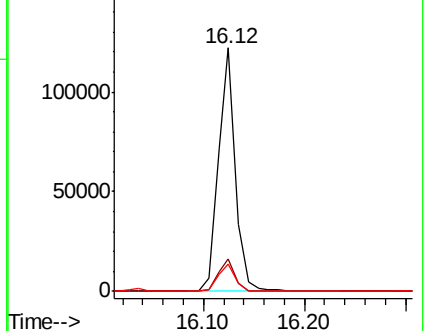
129 11.1 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#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

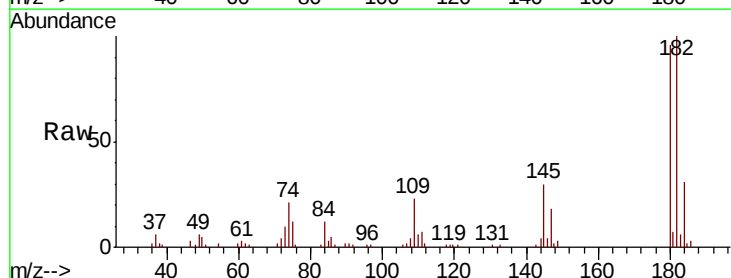
Tgt Ion:180 Resp: 83038

Ion Ratio Lower Upper

180 100

182 103.8 47.0 141.0

145 30.6 17.0 51.0



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

