

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD053019\
 Data File : VD062547.D
 Acq On : 30 May 2019 11:38
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: May 31 01:20:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 01:07:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	885185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.24	114	1173259	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	985189	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	544274	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	52393	5.04	ug/l	0.00
Spiked Amount			Recovery	=	10.08%	
35) Dibromofluoromethane	6.95	113	51177	4.72	ug/l	0.00
Spiked Amount			Recovery	=	9.44%	
50) Toluene-d8	10.42	98	112307	4.78	ug/l	0.00
Spiked Amount			Recovery	=	9.56%	
62) 4-Bromofluorobenzene	13.56	95	54323	5.16	ug/l	0.00
Spiked Amount			Recovery	=	10.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	62976	5.971	ug/l	94
3) Chloromethane	1.75	50	89805	7.467	ug/l	98
4) Vinyl Chloride	1.86	62	38579	4.759	ug/l #	86
5) Bromomethane	2.16	94	12444	5.002	ug/l #	84
6) Chloroethane	2.27	64	20201	5.226	ug/l	99
7) Trichlorofluoromethane	2.55	101	86498	5.108	ug/l	88
8) Diethyl Ether	2.88	74	10195	4.686	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.16	101	51192	5.110	ug/l	98
10) Methyl Iodide	3.31	142	30881	2.823	ug/l #	84
11) Tert butyl alcohol	4.09	59	9239	19.344	ug/l #	75
12) 1,1-Dichloroethene	3.13	96	33814	4.749	ug/l	91
13) Acrolein	3.05	56	5736m	27.746	ug/l	
14) Allyl chloride	3.63	41	48648	4.364	ug/l	94
15) Acrylonitrile	4.22	53	24326	22.612	ug/l	91
16) Acetone	3.24	43	57353	26.767	ug/l	97
17) Carbon Disulfide	3.38	76	113097	4.999	ug/l	100
18) Methyl Acetate	3.65	43	20401	5.853	ug/l #	84
19) Methyl tert-butyl Ether	4.25	73	80116	4.620	ug/l	97
20) Methylene Chloride	3.83	84	40097	5.339	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	37833	4.687	ug/l	94
22) Diisopropyl ether	5.14	45	100275	4.469	ug/l #	93
23) Vinyl Acetate	5.07	43	305234	22.352	ug/l	99
24) 1,1-Dichloroethane	5.00	63	67139	4.580	ug/l	97
25) 2-Butanone	6.09	43	45745	23.231	ug/l	96
26) 2,2-Dichloropropane	6.03	77	83521	5.248	ug/l	100
27) cis-1,2-Dichloroethene	6.06	96	37976	4.567	ug/l	77
28) Bromochloromethane	6.45	49	25784	5.303	ug/l	84
29) Tetrahydrofuran	6.47	42	20112	22.216	ug/l	93
30) Chloroform	6.68	83	80460	4.562	ug/l	94
31) Cyclohexane	6.97	56	46796	4.819	ug/l	94
32) 1,1,1-Trichloroethane	6.88	97	88098	4.891	ug/l	93
36) 1,1-Dichloropropene	7.15	75	59789	5.025	ug/l #	88
37) Ethyl Acetate	6.20	43	27510	5.177	ug/l #	66
38) Carbon Tetrachloride	7.12	117	81368	4.527	ug/l	97

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 Misc : 5.00g/5ml/MSVOA D/SOIL
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Instrument :
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 ClientSampleID :
 VSTDIC005

Quant Time: May 31 01:20:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 01:07:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	52601	5.277	ug/l	92
40) Benzene	7.47	78	108231	4.630	ug/l #	77
41) Methacrylonitrile	6.47	41	27864	4.678	ug/l #	80
42) 1,2-Dichloroethane	7.60	62	60013	4.599	ug/l	99
43) Isopropyl Acetate	9.25	43	27137	4.307	ug/l #	100
44) Trichloroethene	8.55	130	44650	4.772	ug/l	100
45) 1,2-Dichloropropane	8.94	63	25809	4.495	ug/l	97
46) Dibromomethane	9.07	93	21788	4.550	ug/l	86
47) Bromodichloromethane	9.39	83	60283	4.532	ug/l	95
48) Methyl methacrylate	9.13	41	17908	4.137	ug/l #	91
49) 1,4-Dioxane	9.09	88	2692	76.603	ug/l #	59
51) 4-Methyl-2-Pentanone	10.31	43	108699	24.389	ug/l	94
52) Toluene	10.52	92	75729	4.762	ug/l	92
53) t-1,3-Dichloropropene	10.92	75	51071	4.491	ug/l	90
54) cis-1,3-Dichloropropene	10.05	75	53053	4.513	ug/l	93
55) 1,1,2-Trichloroethane	11.20	97	24521	4.637	ug/l	97
56) Ethyl methacrylate	11.05	69	25369	4.536	ug/l	89
57) 1,3-Dichloropropane	11.42	76	37934	4.737	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	69119	23.845	ug/l	90
59) 2-Hexanone	11.54	43	66806	21.454	ug/l	98
60) Dibromochloromethane	11.69	129	45872	4.472	ug/l	100
61) 1,2-Dibromoethane	11.82	107	29568	4.726	ug/l	94
64) Tetrachloroethene	11.27	164	40554	4.548	ug/l	93
65) Chlorobenzene	12.41	112	87987	4.417	ug/l	91
66) 1,1,1,2-Tetrachloroethane	12.52	131	39696	4.264	ug/l	87
67) Ethyl Benzene	12.53	91	173838	4.843	ug/l	100
68) m/p-Xylenes	12.68	106	119127	9.772	ug/l	87
69) o-Xylene	13.06	106	57296	4.850	ug/l	94
70) Styrene	13.08	104	94966	4.756	ug/l	96
71) Bromoform	13.24	173	30079	4.641	ug/l #	92
73) Isopropylbenzene	13.41	105	174691	4.827	ug/l	99
74) N-amyl acetate	13.28	43	43496	4.678	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	23857	4.023	ug/l #	95
76) 1,2,3-Trichloropropane	13.74	75	28306	4.119	ug/l	86
77) Bromobenzene	13.68	156	45734	4.515	ug/l	94
78) n-propylbenzene	13.78	91	209542	4.969	ug/l	99
79) 2-Chlorotoluene	13.85	91	108028	4.376	ug/l	92
80) 1,3,5-Trimethylbenzene	13.94	105	152104	4.846	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	9129	4.910	ug/l	94
82) 4-Chlorotoluene	13.96	91	137890	4.644	ug/l	95
83) tert-Butylbenzene	14.19	119	170682	4.943	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	171189	5.455	ug/l	99
85) sec-Butylbenzene	14.37	105	185605	5.040	ug/l	91
86) p-Isopropyltoluene	14.50	119	166895	4.818	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	84227	4.763	ug/l	97
88) 1,4-Dichlorobenzene	14.55	146	83220	4.799	ug/l	97
89) n-Butylbenzene	14.80	91	142405	4.518	ug/l	97
90) Hexachloroethane	15.02	117	42152	4.554	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	66473	4.413	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.38	75	5260	4.371	ug/l	99

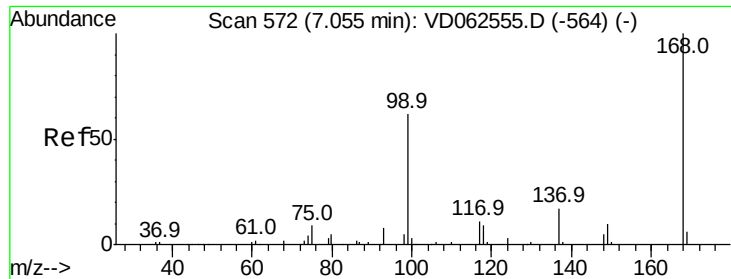
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD053019\
Data File : VD062547.D
Acq On : 30 May 2019 11:38
Operator : VA/AP
Sample : VSTDICC005
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Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: May 31 01:20:36 2019
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Quant Title : SW846 8260
QLast Update : Fri May 31 01:07:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	52226	4.489	ug/l	97
94) Hexachlorobutadiene	16.04	225	40357	4.729	ug/l	95
95) Naphthalene	16.13	128	69267	4.218	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	38089	4.342	ug/l	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

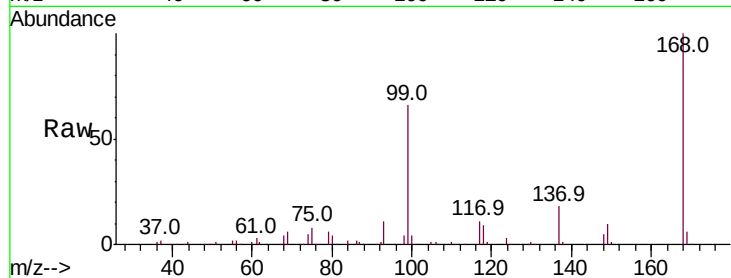
VSTDIC005

Tot Ion:168 Resp: 885185

Ion Ratio Lower Upper

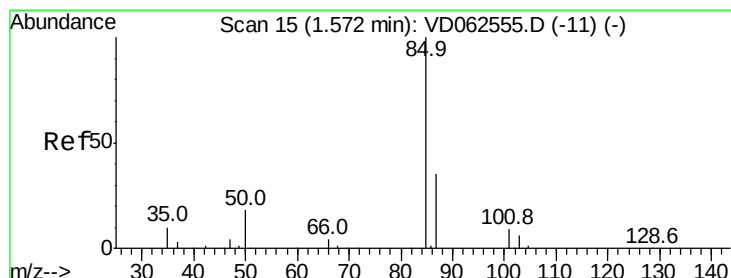
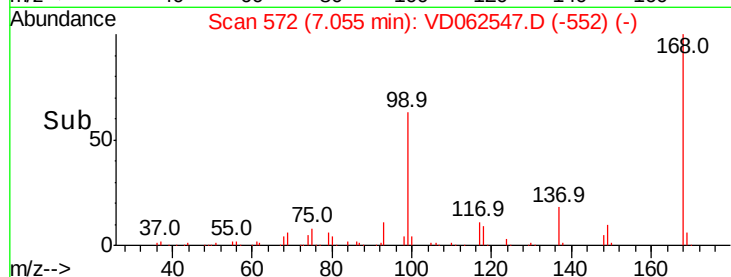
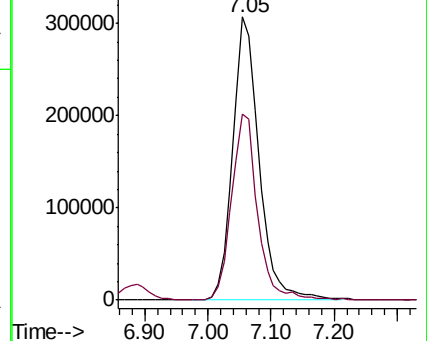
168 100

99 65.9 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 5.971 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062547.D

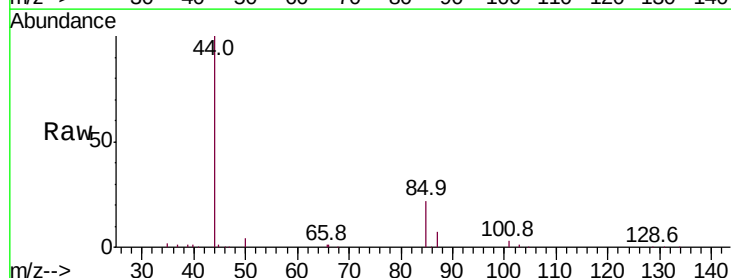
Acq: 30 May 2019 11:38

Tgt Ion: 85 Resp: 62976

Ion Ratio Lower Upper

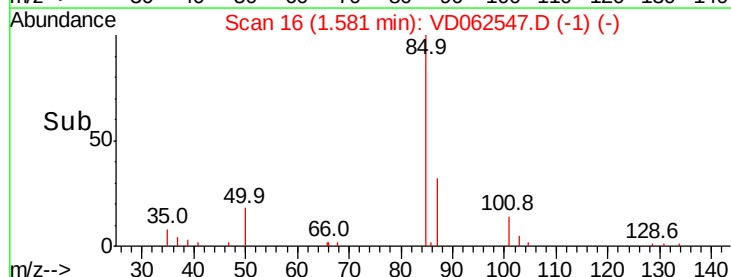
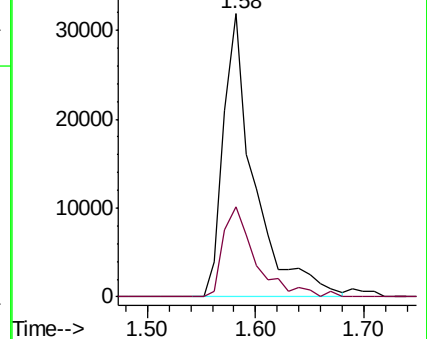
85 100

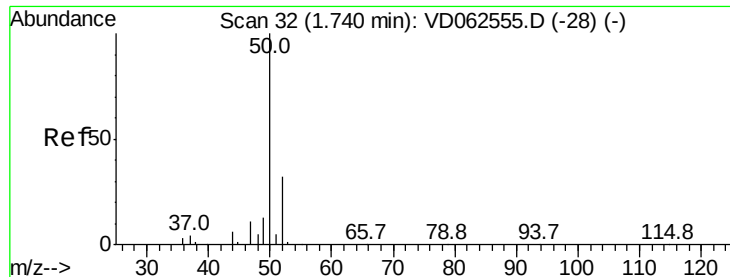
87 31.8 17.5 52.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 7.467 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

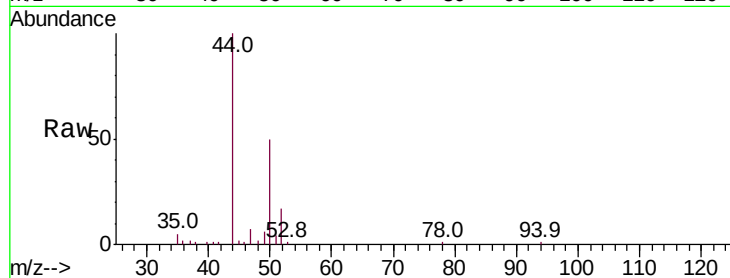
VSTDIC005

Tot Ion: 50 Resp: 89805

Ion Ratio Lower Upper

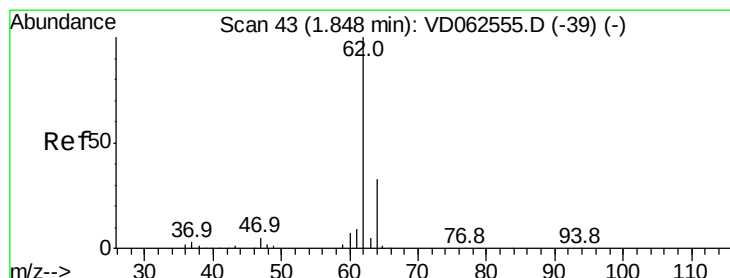
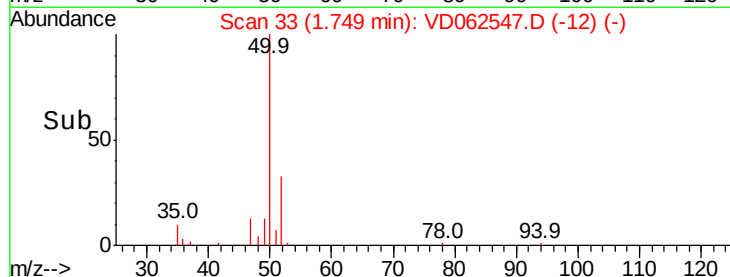
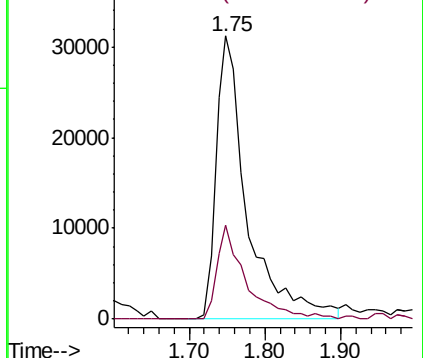
50 100

52 33.0 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 4.759 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD062547.D

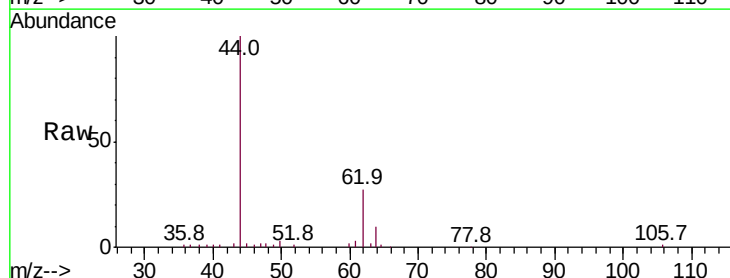
Acq: 30 May 2019 11:38

Tgt Ion: 62 Resp: 38579

Ion Ratio Lower Upper

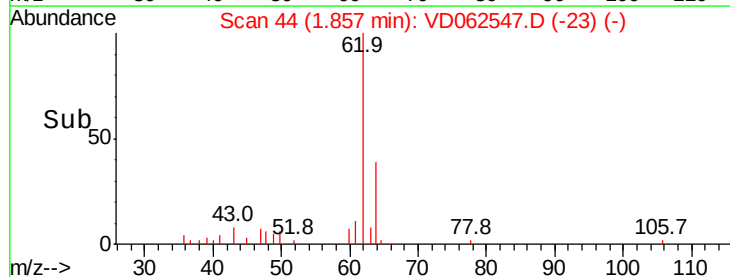
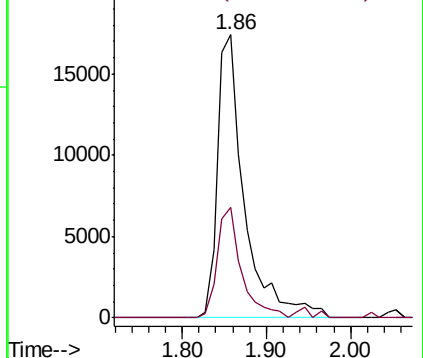
62 100

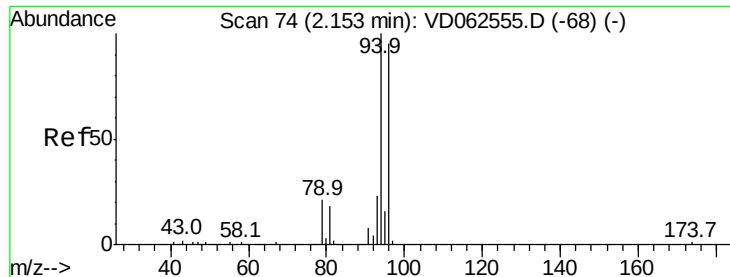
64 41.3 26.5 39.7#



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 5.002 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

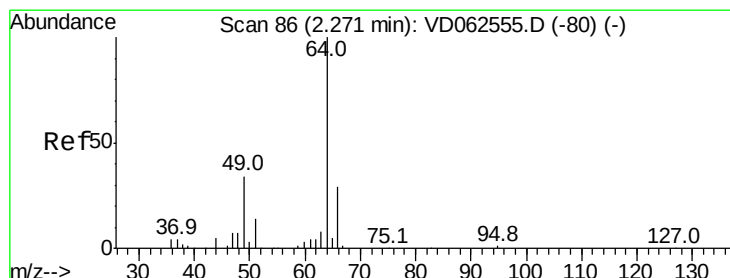
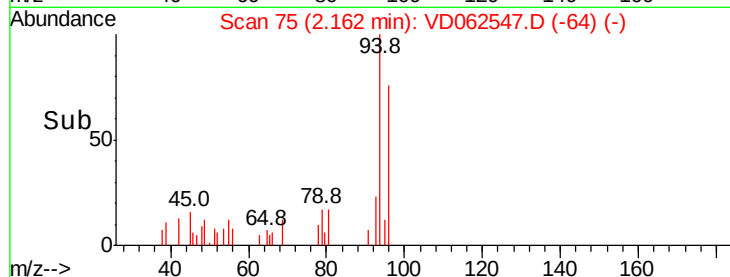
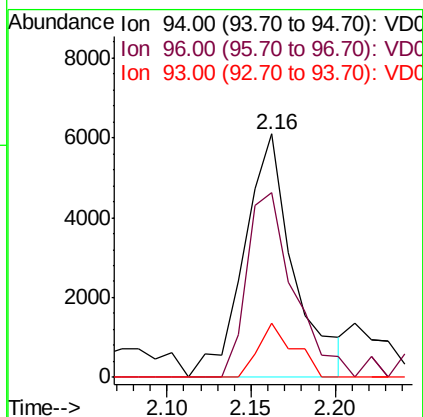
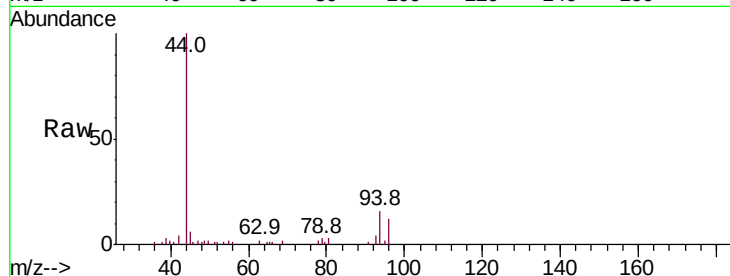
Tot Ion: 94 Resp: 12444

Ion Ratio Lower Upper

94 100

96 75.7 76.2 114.4#

93 22.5 18.4 27.6



#6

Chloroethane

Concen: 5.226 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.00 min

Lab File: VD062547.D

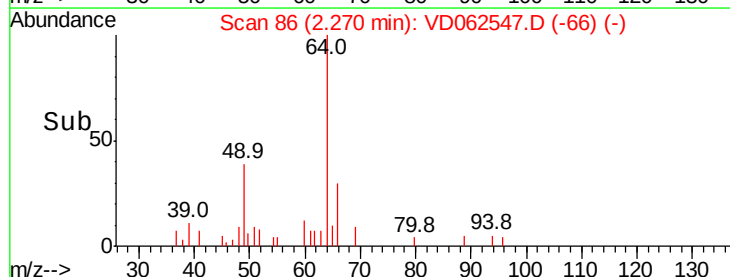
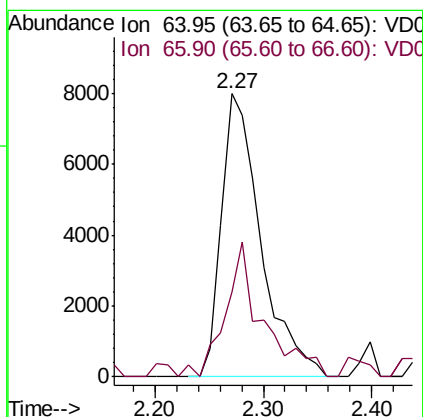
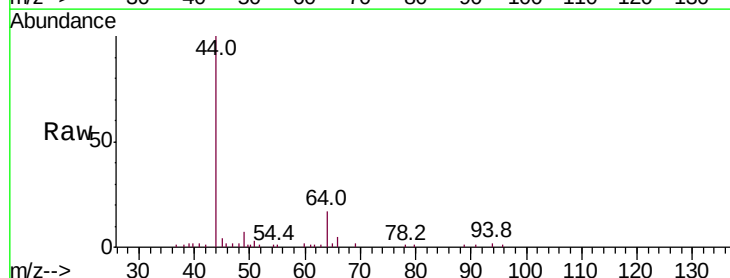
Acq: 30 May 2019 11:38

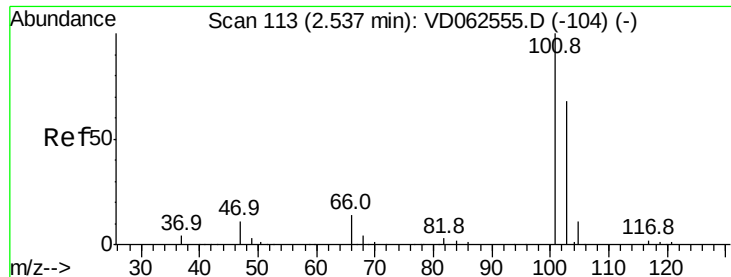
Tgt Ion: 64 Resp: 20201

Ion Ratio Lower Upper

64 100

66 29.9 23.4 35.2



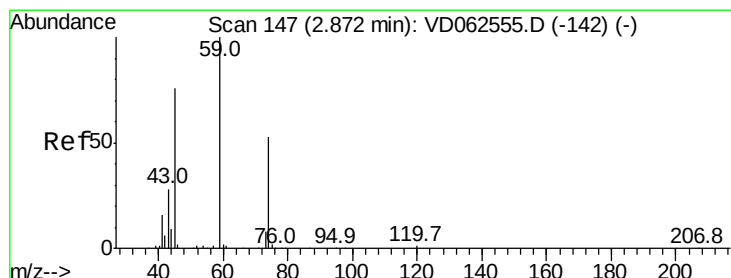
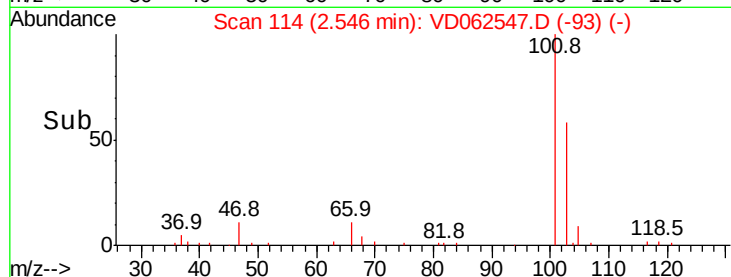
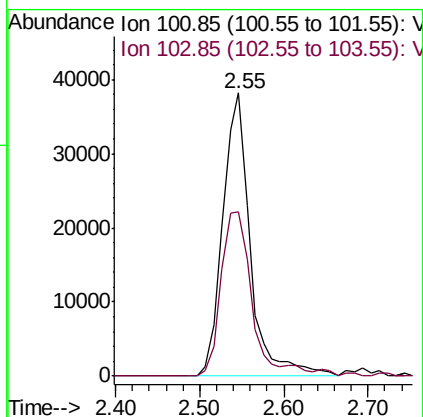
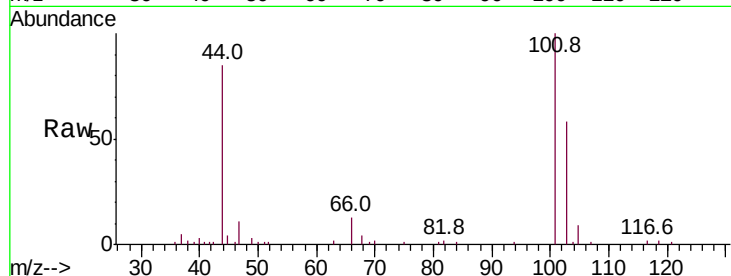


#7

Trichlorofluoromethane
 Concen: 5.108 ug/l
 RT: 2.55 min Scan# 114
 Delta R.T. 0.01 min
 Lab File: VD062547.D
 Acq: 30 May 2019 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

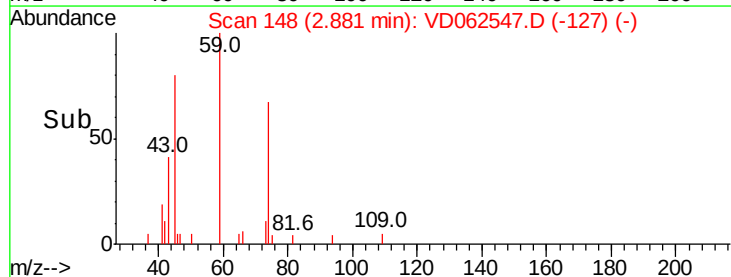
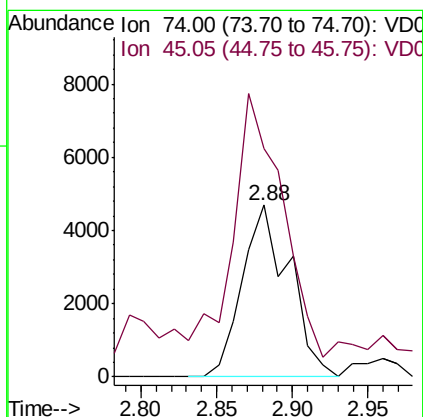
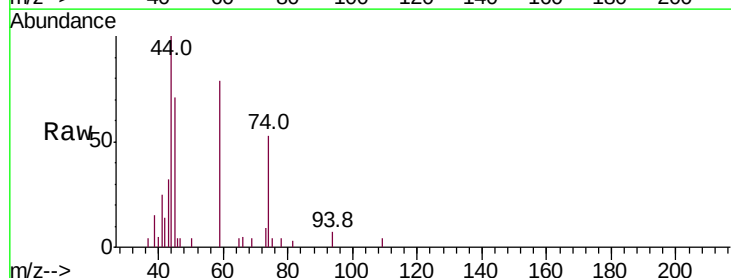
Tot Ion:101 Resp: 86498
 Ion Ratio Lower Upper
 101 100
 103 58.2 54.3 81.5

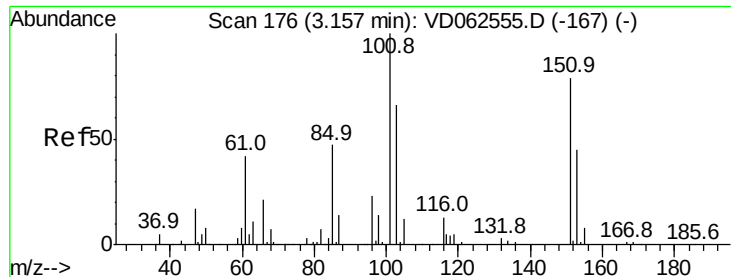


#8

Diethyl Ether
 Concen: 4.686 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VD062547.D
 Acq: 30 May 2019 11:38

Tgt Ion: 74 Resp: 10195
 Ion Ratio Lower Upper
 74 100
 45 133.3 71.9 215.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.110 ug/l

RT: 3.16 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

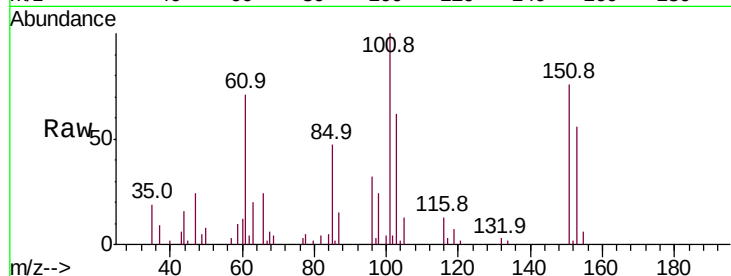
Tot Ion:101 Resp: 51192

Ion Ratio Lower Upper

101 100

85 46.7 37.6 56.4

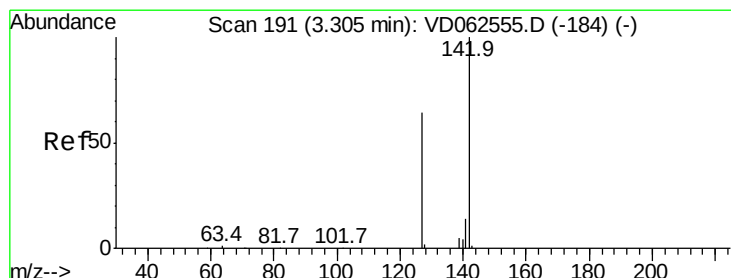
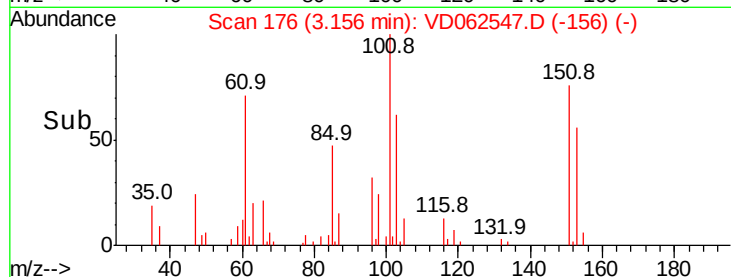
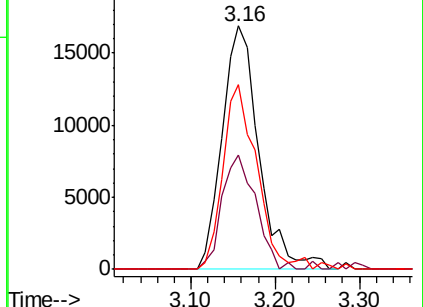
151 76.1 63.0 94.4



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: 2.823 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.01 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

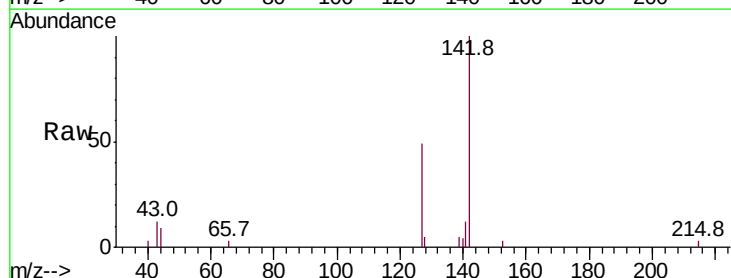
Tgt Ion:142 Resp: 30881

Ion Ratio Lower Upper

142 100

127 49.4 51.2 76.8#

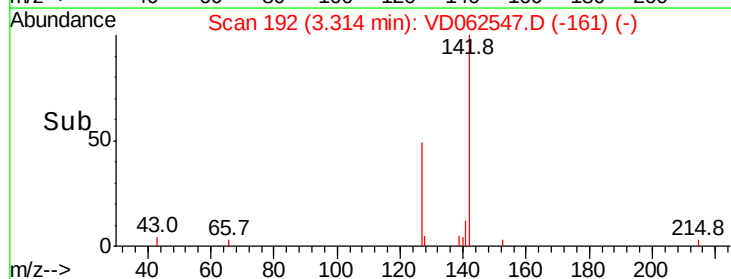
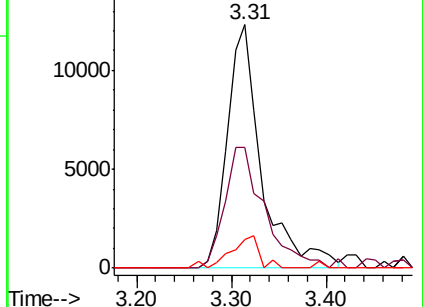
141 12.0 11.0 16.4

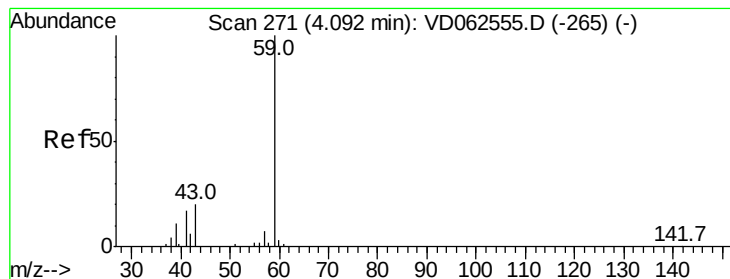


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



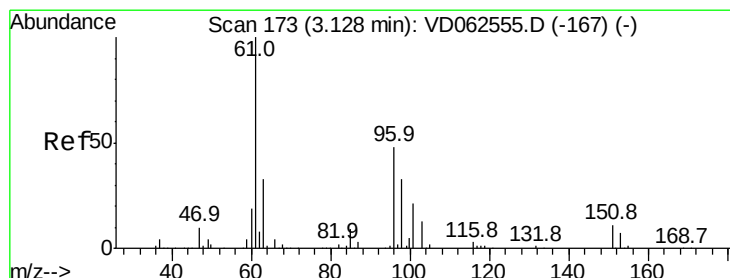
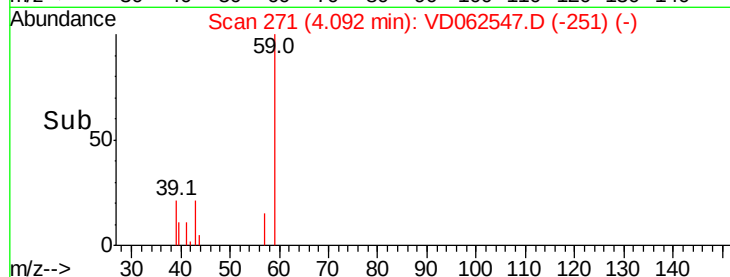
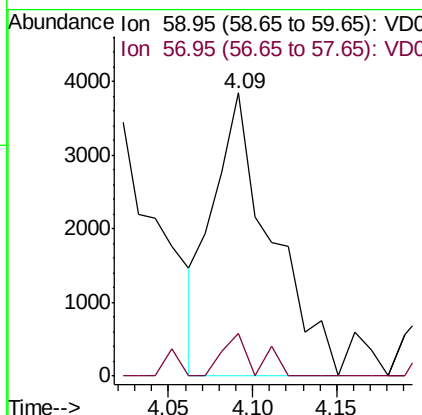
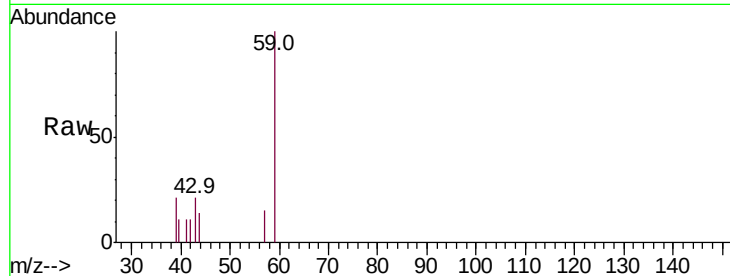


#11

Tert butyl alcohol
 Concen: 19.344 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. -0.00 min
 Lab File: VD062547.D
 Acq: 30 May 2019 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

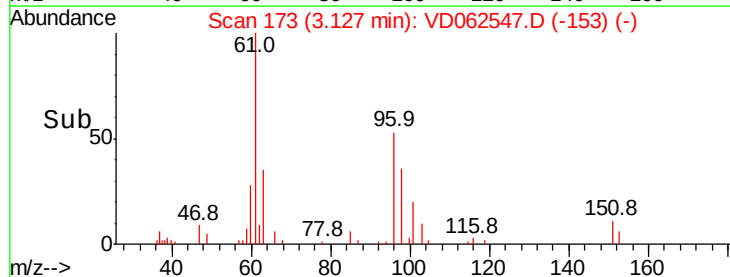
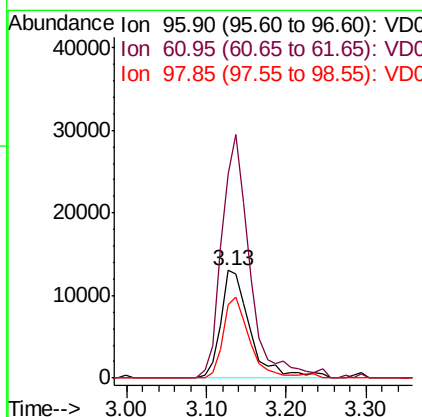
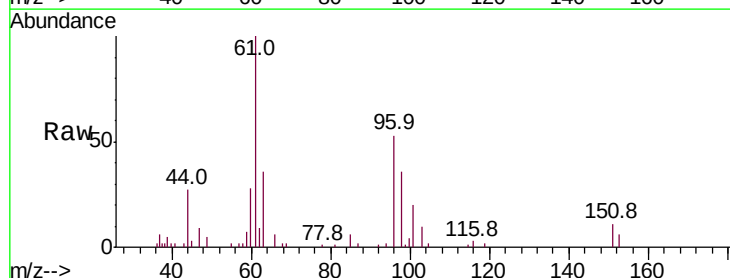
Tot Ion: 59 Resp: 9239
 Ion Ratio Lower Upper
 59 100
 57 15.1 5.4 8.0#

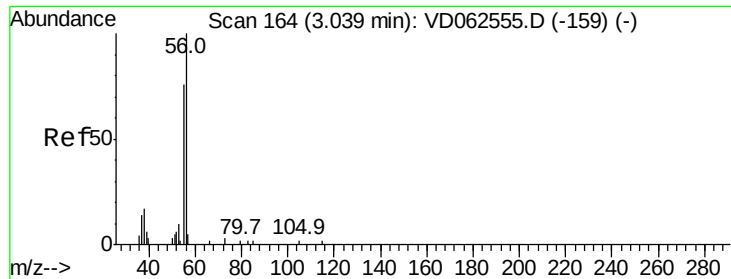


#12

1,1-Dichloroethene
 Concen: 4.749 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.00 min
 Lab File: VD062547.D
 Acq: 30 May 2019 11:38

Tgt Ion: 96 Resp: 33814
 Ion Ratio Lower Upper
 96 100
 61 189.4 166.6 250.0
 98 67.9 54.4 81.6





#13

Acrolein

Concen: 27.746 ug/l m

RT: 3.05 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

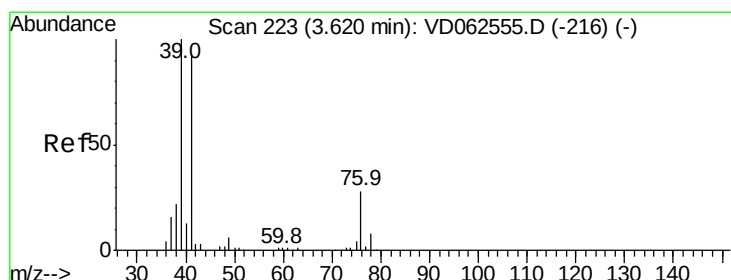
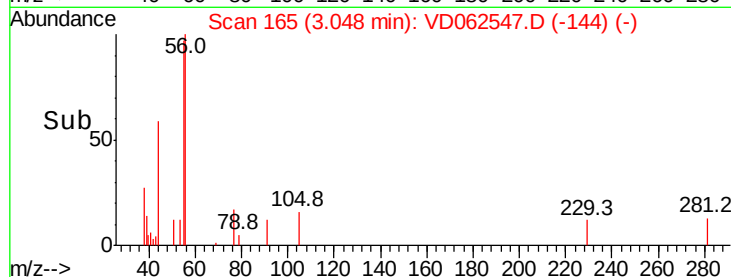
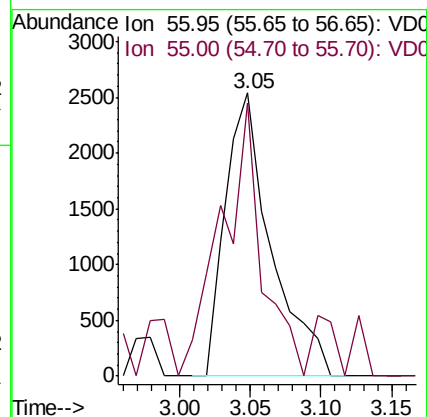
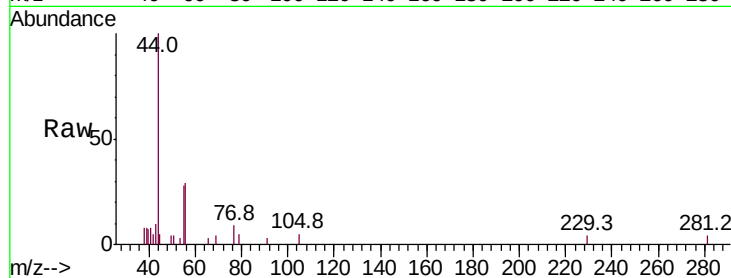
VSTDIC005

Tot Ion: 56 Resp: 5736

Ion Ratio Lower Upper

56 100

55 96.7 62.6 93.8#



#14

Allyl chloride

Concen: 4.364 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

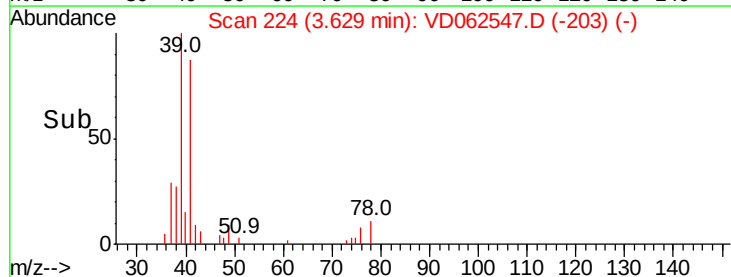
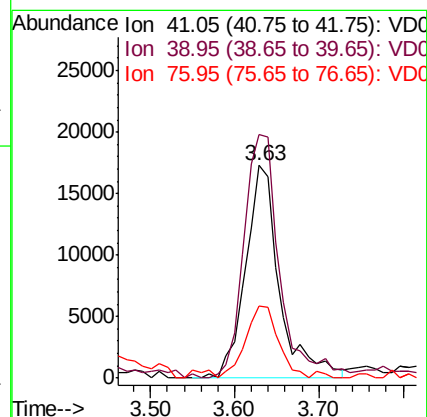
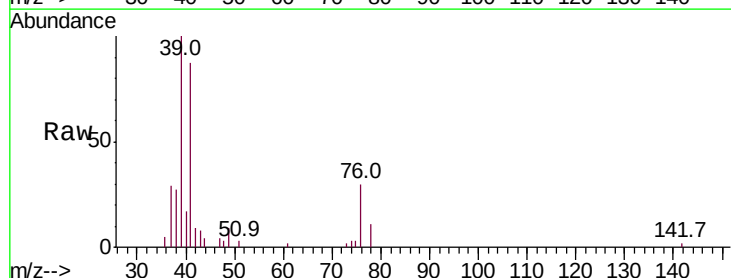
Tgt Ion: 41 Resp: 48648

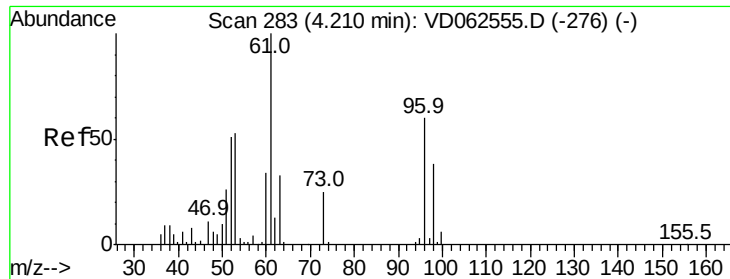
Ion Ratio Lower Upper

41 100

39 114.4 86.3 129.5

76 33.8 25.5 38.3





#15

Acrylonitrile

Concen: 22.612 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.01 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

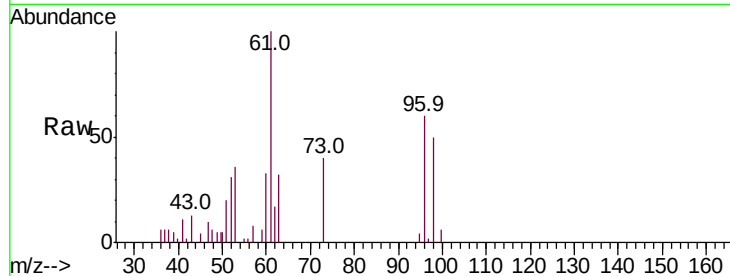
Tot Ion: 53 Resp: 24326

Ion Ratio Lower Upper

53 100

52 86.0 76.2 114.2

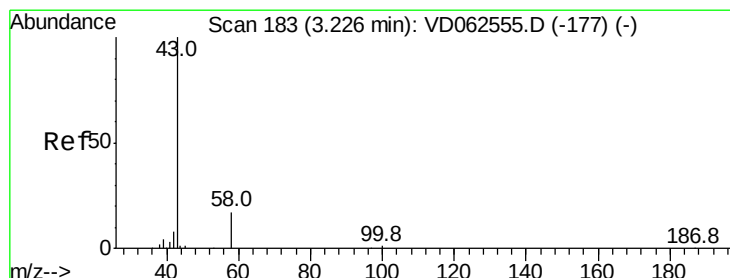
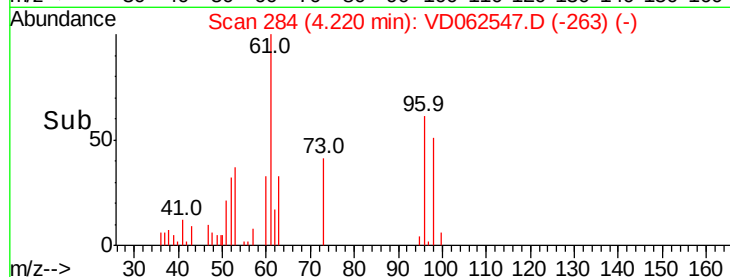
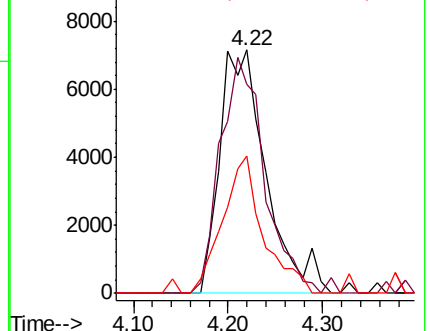
51 56.2 40.2 60.4



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: 26.767 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062547.D

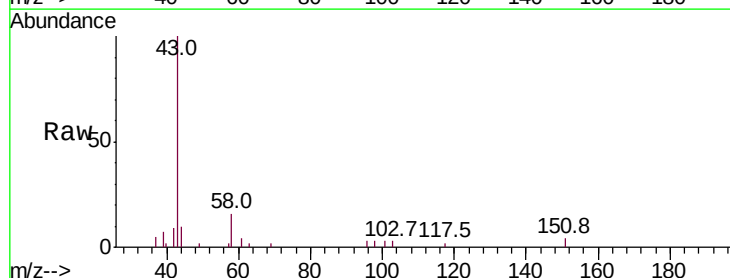
Acq: 30 May 2019 11:38

Tgt Ion: 43 Resp: 57353

Ion Ratio Lower Upper

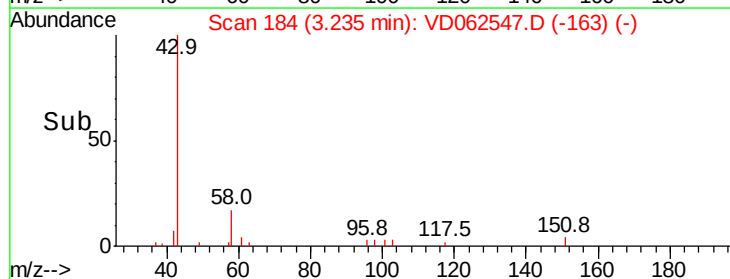
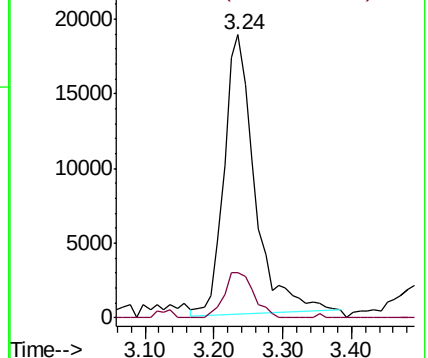
43 100

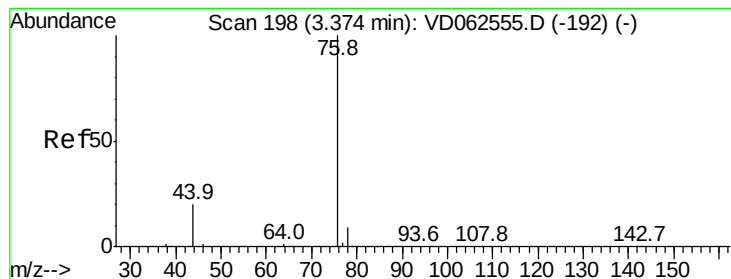
58 15.9 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 4.999 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

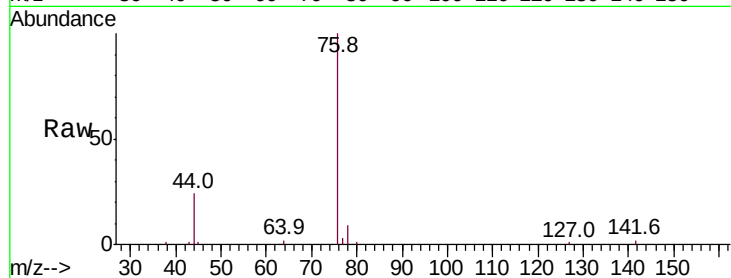
VSTDIC005

Tot Ion: 76 Resp: 113097

Ion Ratio Lower Upper

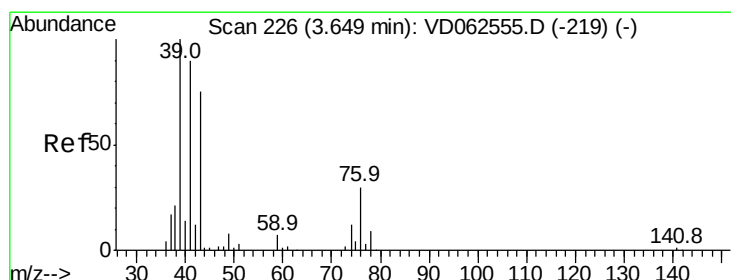
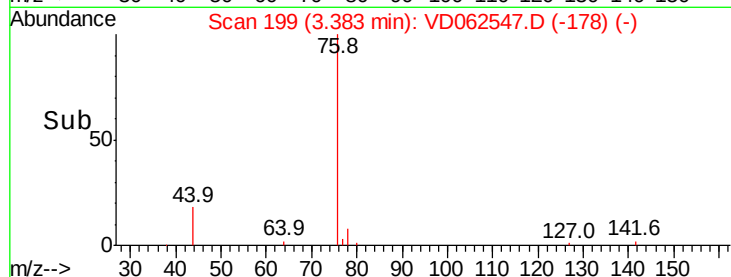
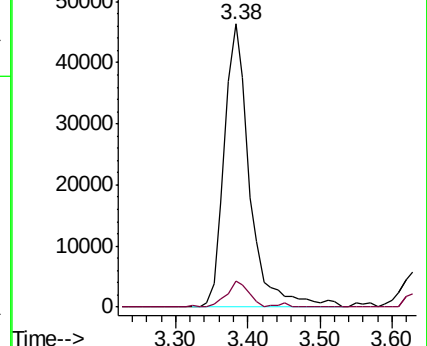
76 100

78 9.2 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 5.853 ug/l

RT: 3.65 min Scan# 226

Delta R.T. -0.00 min

Lab File: VD062547.D

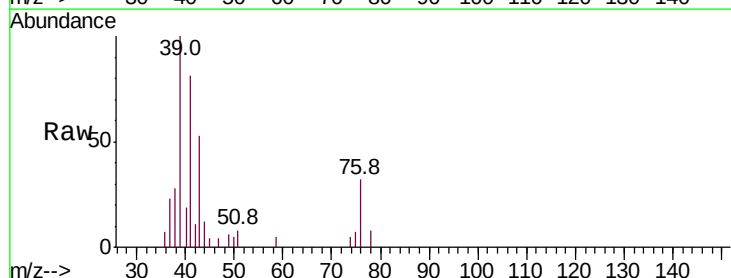
Acq: 30 May 2019 11:38

Tgt Ion: 43 Resp: 20401

Ion Ratio Lower Upper

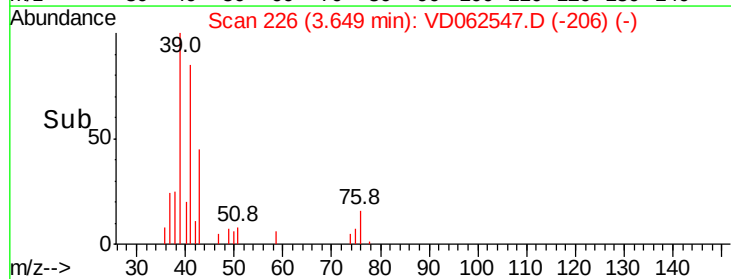
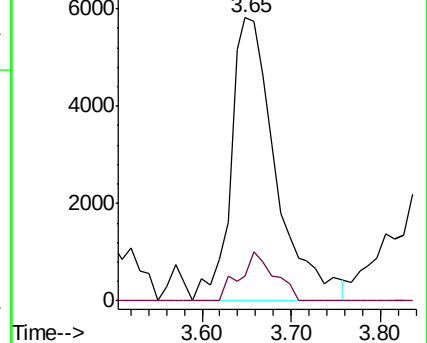
43 100

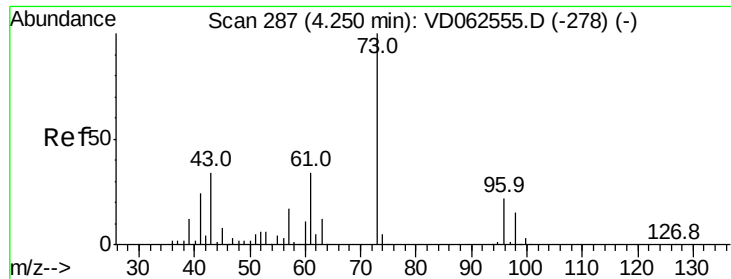
74 8.7 12.5 18.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

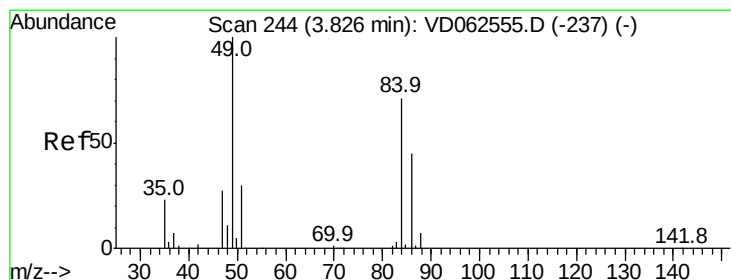
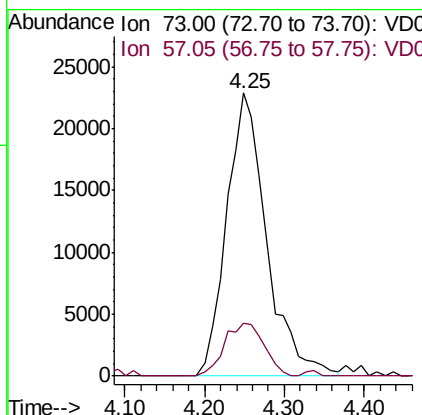
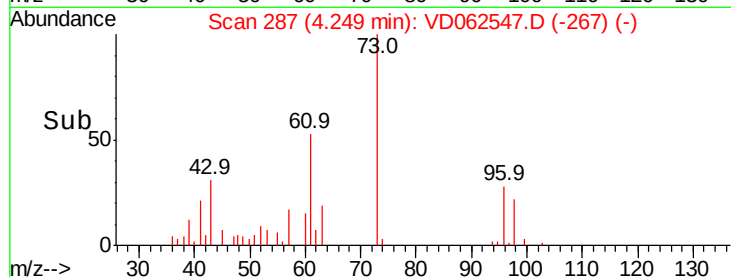
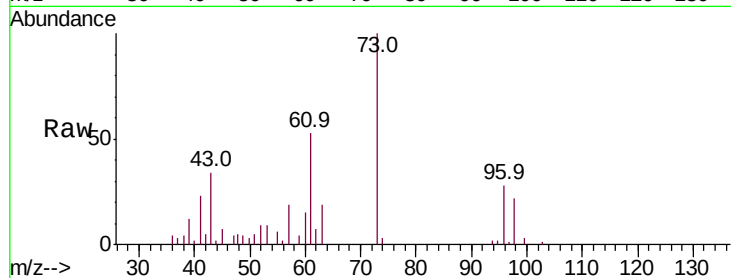




#19
Methyl tert-butyl Ether
Concen: 4.620 ug/l
RT: 4.25 min Scan# 287
Delta R.T. -0.00 min
Lab File: VD062547.D
Acq: 30 May 2019 11:38

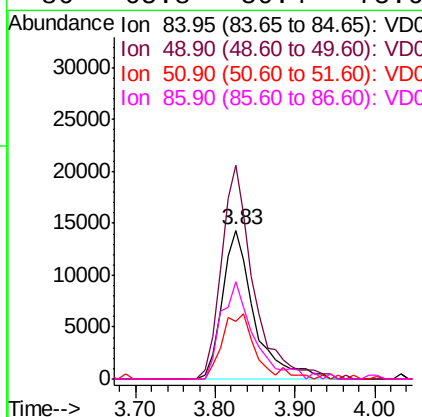
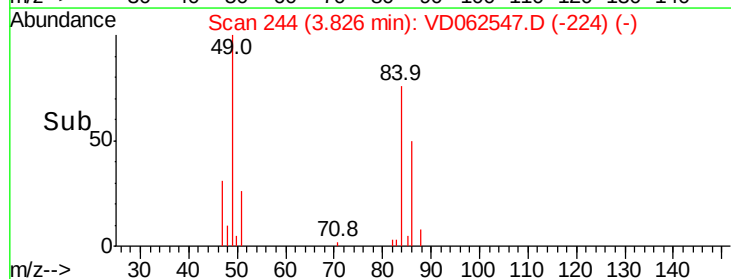
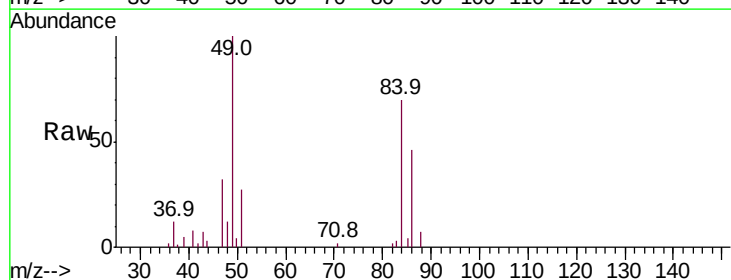
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

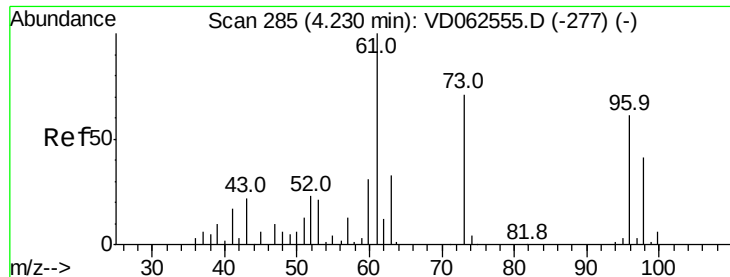
Tot Ion: 73 Resp: 80116
Ion Ratio Lower Upper
73 100
57 18.5 13.8 20.8



#20
Methylene Chloride
Concen: 5.339 ug/l
RT: 3.83 min Scan# 244
Delta R.T. -0.00 min
Lab File: VD062547.D
Acq: 30 May 2019 11:38

Tgt Ion: 84 Resp: 40097
Ion Ratio Lower Upper
84 100
49 143.8 112.3 168.5
51 38.5 33.6 50.4
86 65.8 50.4 75.6

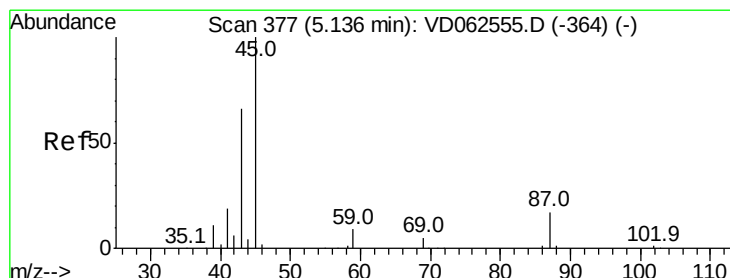
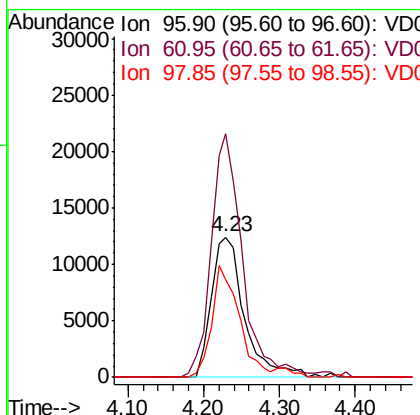
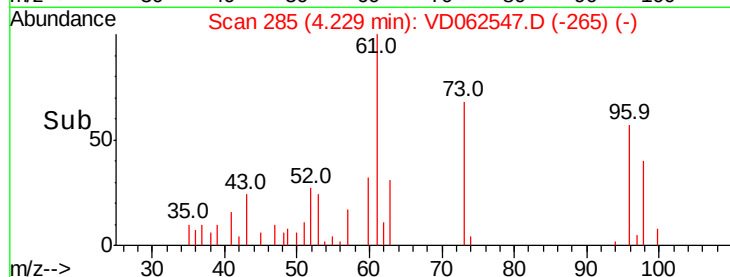
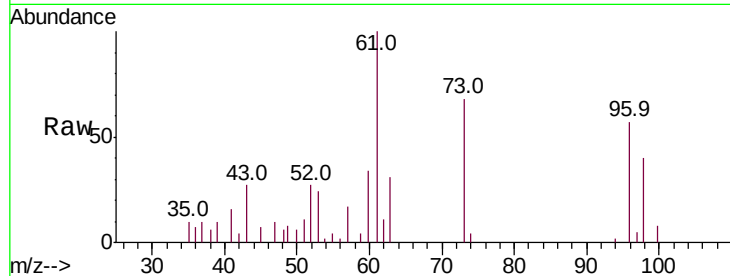




#21
trans-1,2-Dichloroethene
Concen: 4.687 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD062547.D
Acq: 30 May 2019 11:38

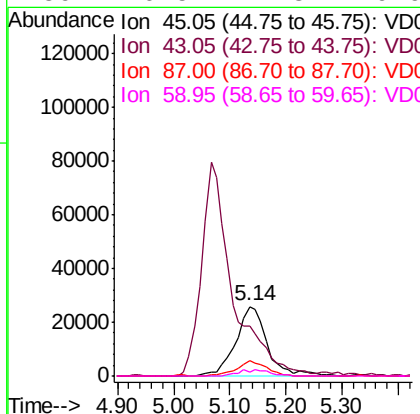
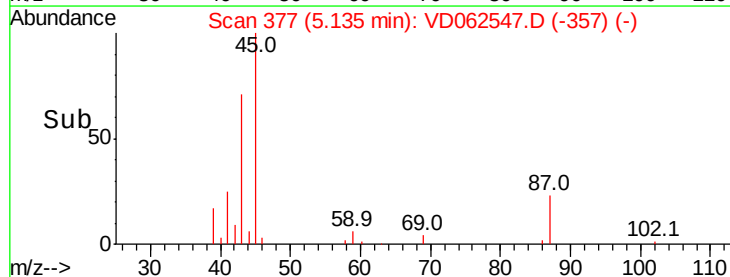
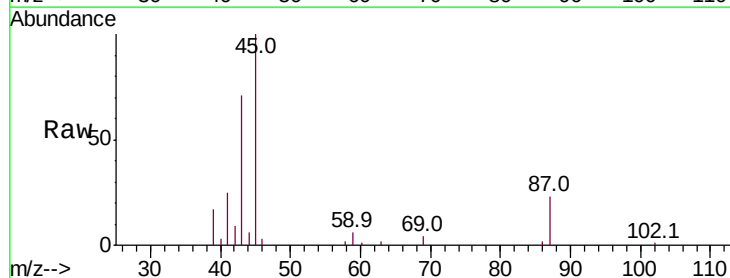
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

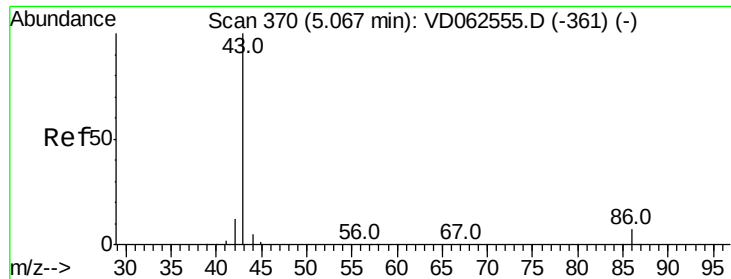
Tot Ion	Resp	Lower	Upper
96	100		
61	174.0	131.1	196.7
98	69.7	54.2	81.4



#22
Diisopropyl ether
Concen: 4.469 ug/l
RT: 5.14 min Scan# 377
Delta R.T. -0.00 min
Lab File: VD062547.D
Acq: 30 May 2019 11:38

Tgt Ion	Resp	Lower	Upper
45	100		
43	71.4	53.6	80.4
87	22.8	14.2	21.4#
59	6.5	7.3	10.9#





#23

Vinyl Acetate

Concen: 22.352 ug/l

RT: 5.07 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

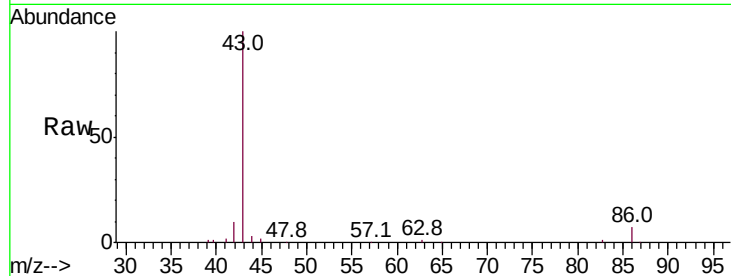
VSTDIC005

Tot Ion: 43 Resp: 305234

Ion Ratio Lower Upper

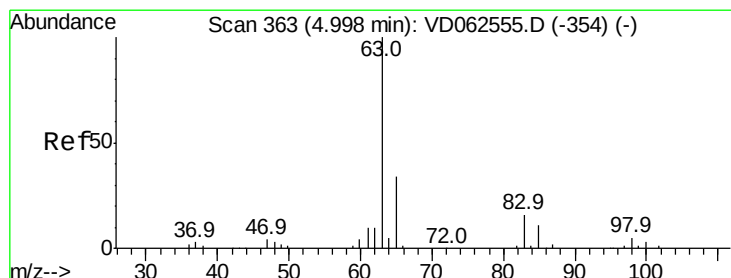
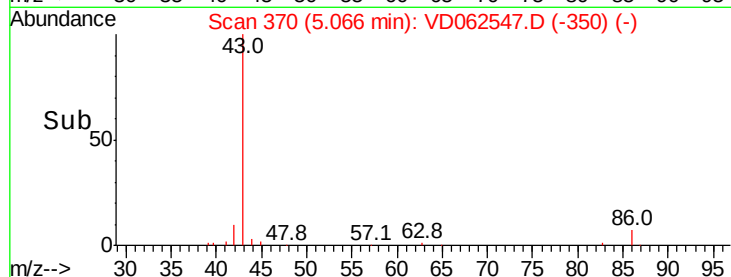
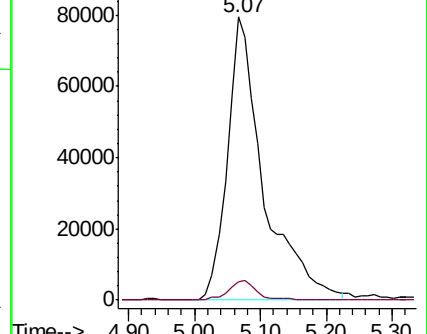
43 100

86 6.5 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VD062555.D (-361) (-)

Ion 86.00 (85.70 to 86.70): VD062555.D (-361) (-)



#24

1,1-Dichloroethane

Concen: 4.580 ug/l

RT: 5.00 min Scan# 363

Delta R.T. -0.00 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

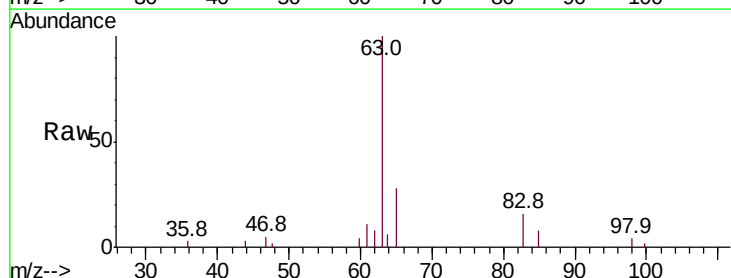
Tgt Ion: 63 Resp: 67139

Ion Ratio Lower Upper

63 100

98 4.1 2.5 7.5

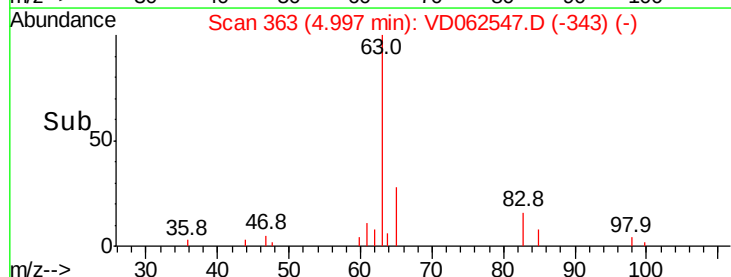
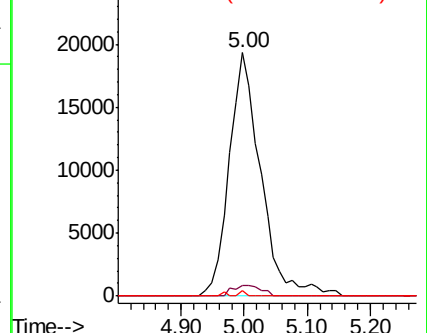
100 2.1 1.6 4.7

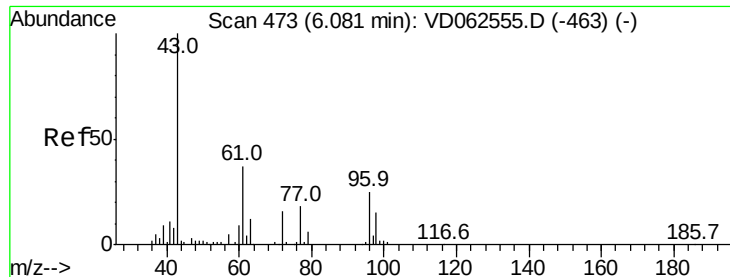


Abundance Ion 62.95 (62.65 to 63.65): VD062555.D (-354) (-)

Ion 97.95 (97.65 to 98.65): VD062555.D (-354) (-)

Ion 99.95 (99.65 to 100.65): VD062555.D (-354) (-)





#25

2-Butanone

Concen: 23.231 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

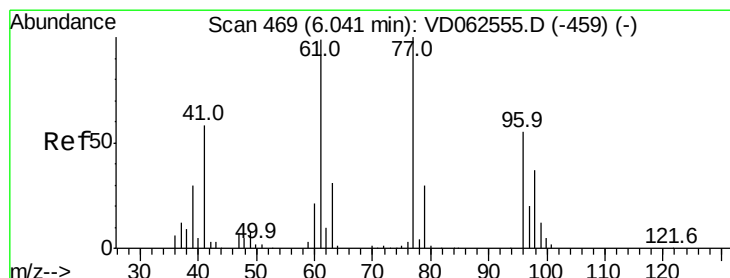
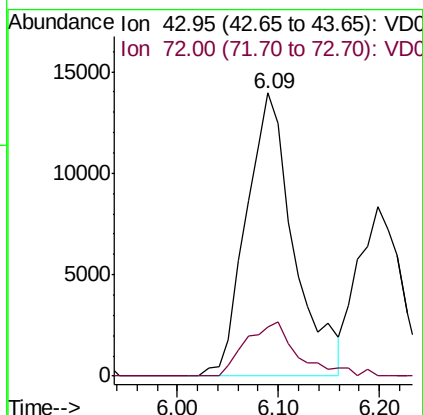
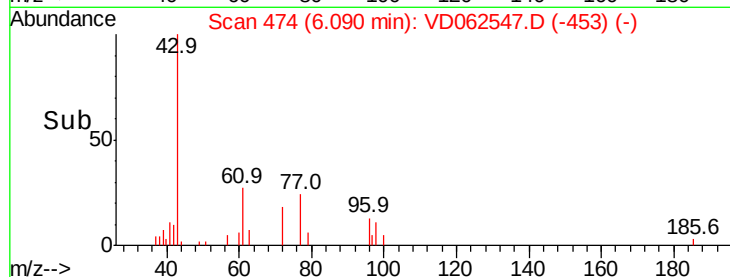
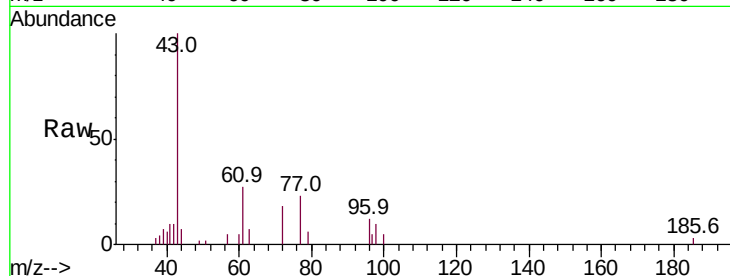
VSTDIC005

Tot Ion: 43 Resp: 45745

Ion Ratio Lower Upper

43 100

72 17.6 12.7 19.1



#26

2,2-Dichloropropane

Concen: 5.248 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD062547.D

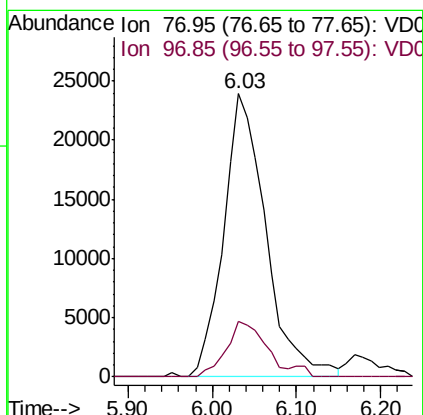
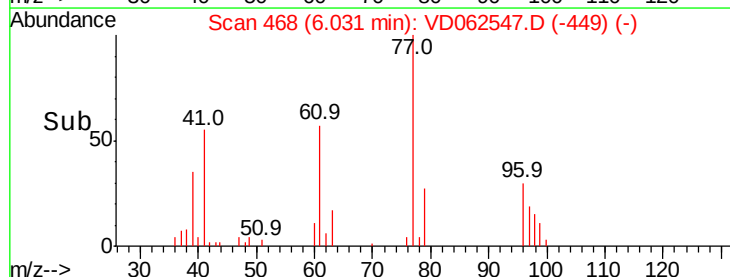
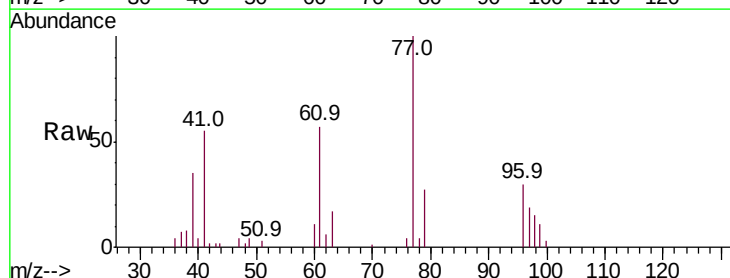
Acq: 30 May 2019 11:38

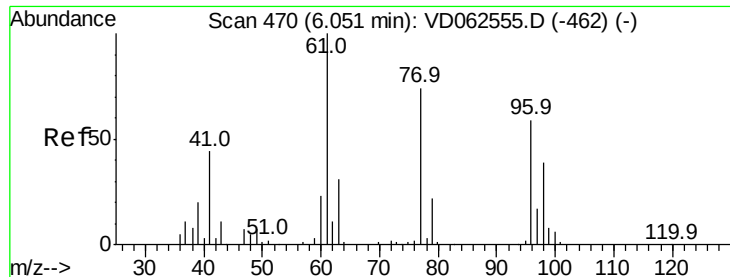
Tgt Ion: 77 Resp: 83521

Ion Ratio Lower Upper

77 100

97 19.5 9.8 29.3





#27

cis-1,2-Dichloroethene

Concen: 4.567 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.01 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

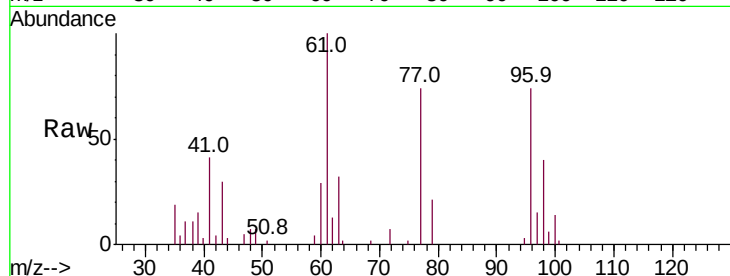
Tot Ion: 96 Resp: 37976

Ion Ratio Lower Upper

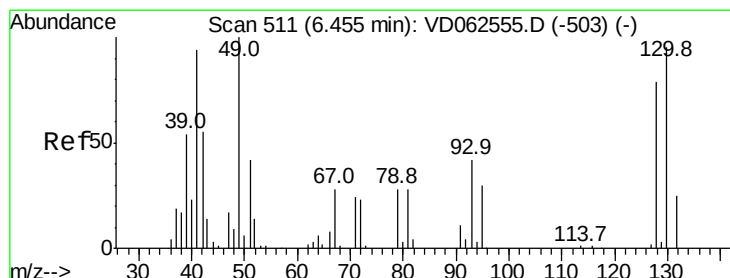
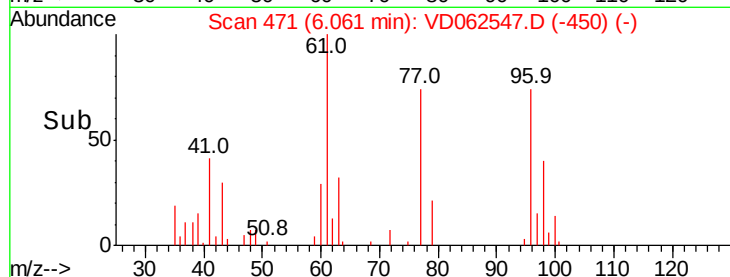
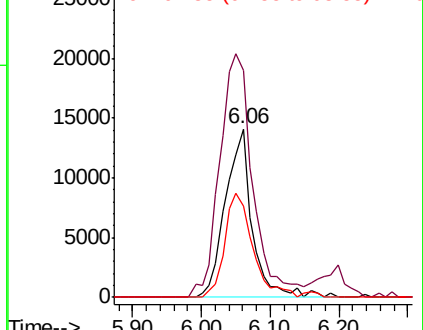
96 100

61 135.0 0.0 342.4

98 54.3 0.0 134.6



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: 5.303 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.00 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

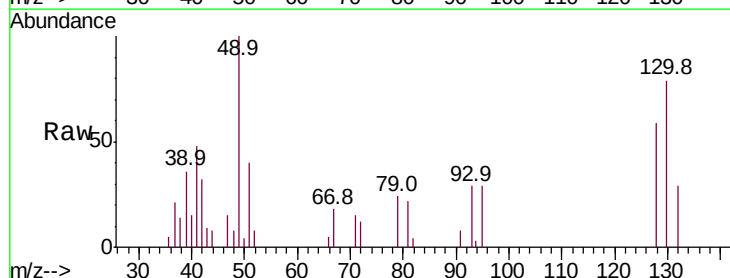
Tgt Ion: 49 Resp: 25784

Ion Ratio Lower Upper

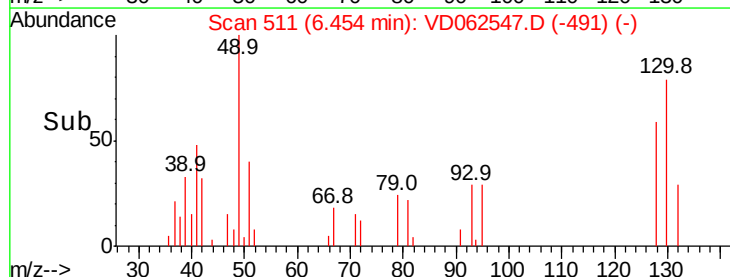
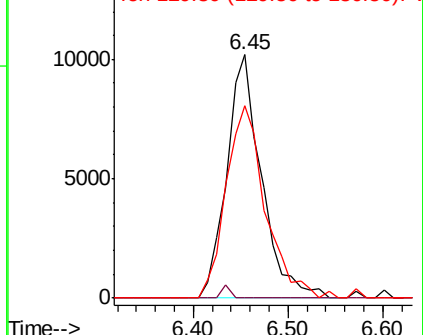
49 100

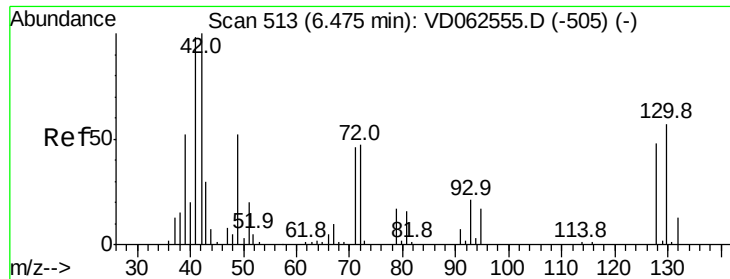
129 0.0 0.0 5.6

130 78.9 75.8 113.8



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: 22.216 ug/l

RT: 6.47 min Scan# 513

Delta R.T. -0.00 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

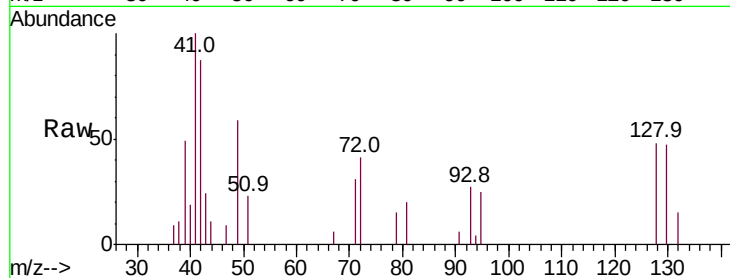
Tot Ion: 42 Resp: 20112

Ion Ratio Lower Upper

42 100

72 49.1 34.5 51.7

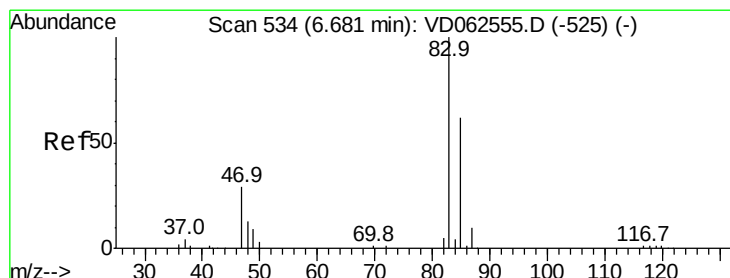
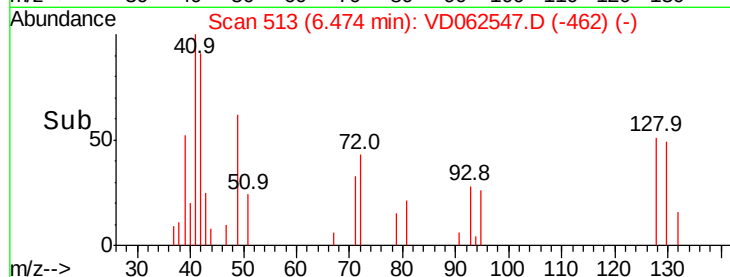
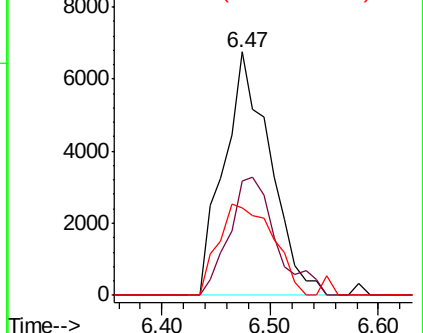
71 44.2 33.0 49.6



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 4.562 ug/l

RT: 6.68 min Scan# 534

Delta R.T. -0.00 min

Lab File: VD062547.D

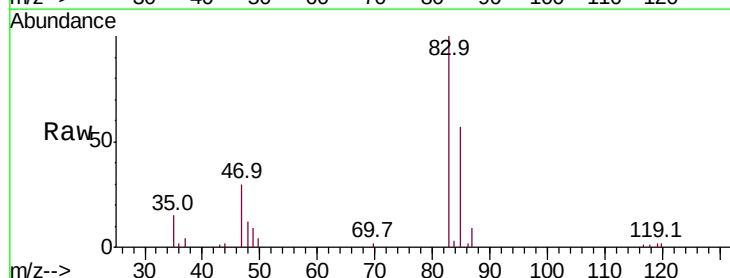
Acq: 30 May 2019 11:38

Tgt Ion: 83 Resp: 80460

Ion Ratio Lower Upper

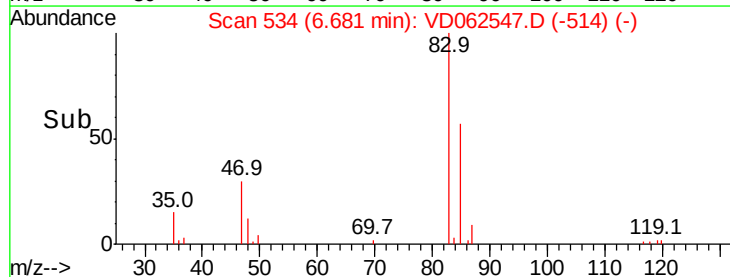
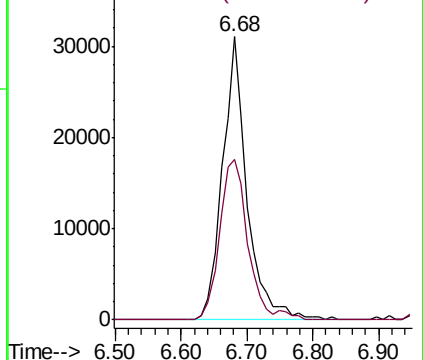
83 100

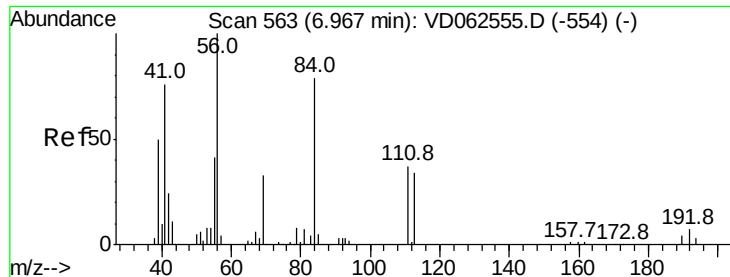
85 56.8 49.4 74.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

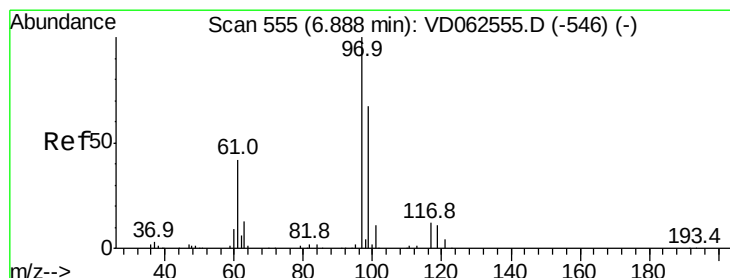
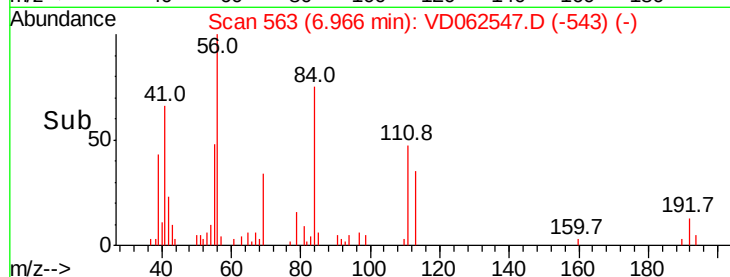
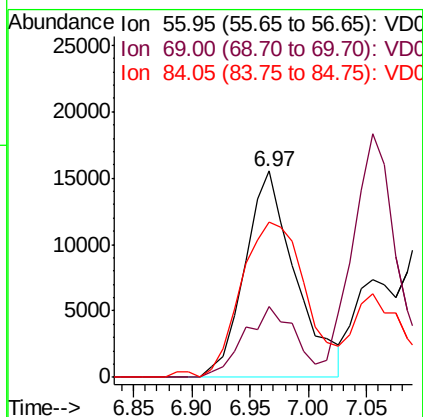
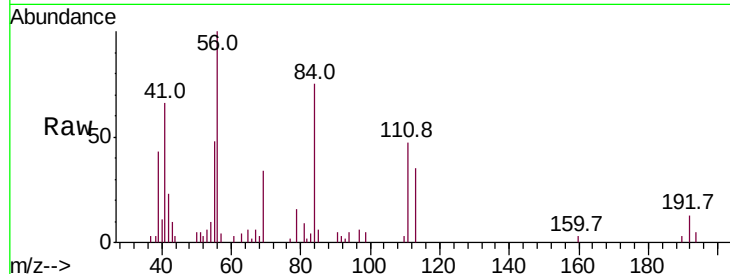




#31
Cyclohexane
Concen: 4.819 ug/l
RT: 6.97 min Scan# 563
Delta R.T. -0.00 min
Lab File: VD062547.D
Acq: 30 May 2019 11:38

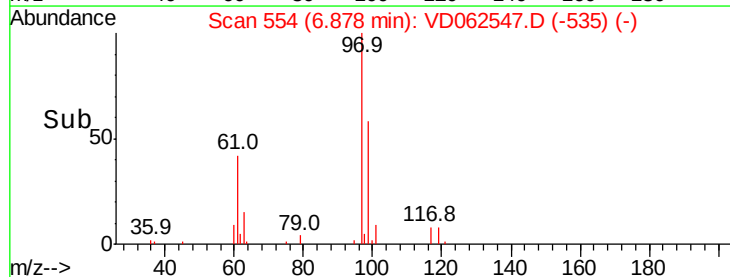
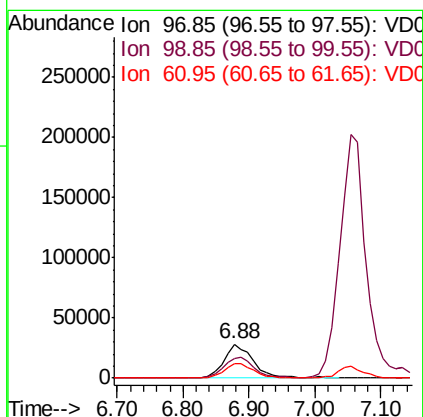
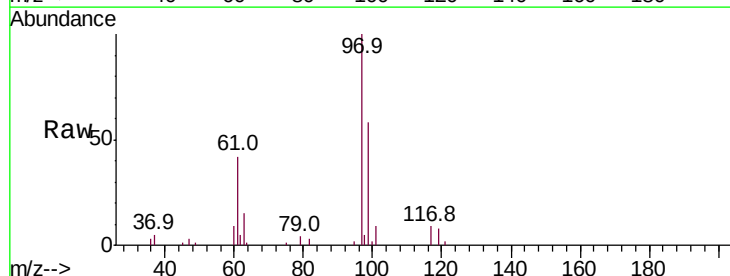
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

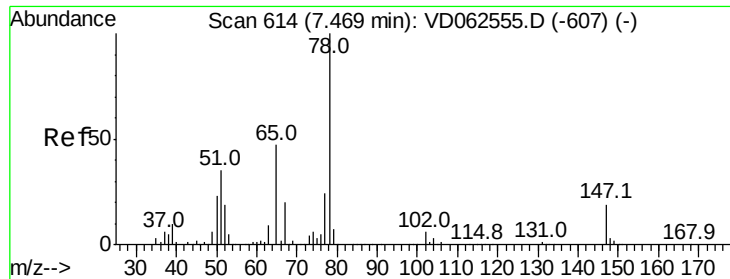
Tot Ion: 56 Resp: 46796
Ion Ratio Lower Upper
56 100
69 34.3 26.2 39.2
84 75.4 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 4.891 ug/l
RT: 6.88 min Scan# 554
Delta R.T. -0.01 min
Lab File: VD062547.D
Acq: 30 May 2019 11:38

Tgt Ion: 97 Resp: 88098
Ion Ratio Lower Upper
97 100
99 58.0 53.6 80.4
61 42.0 33.9 50.9

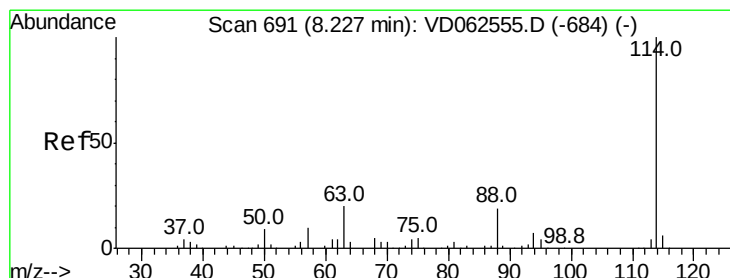
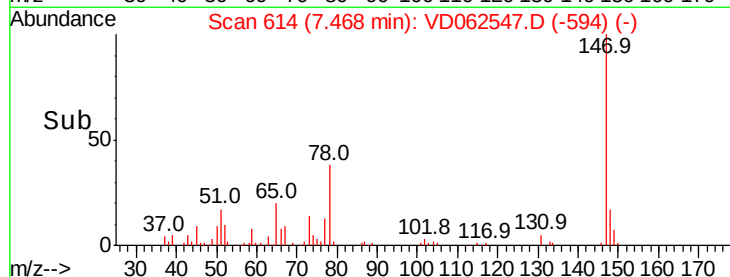
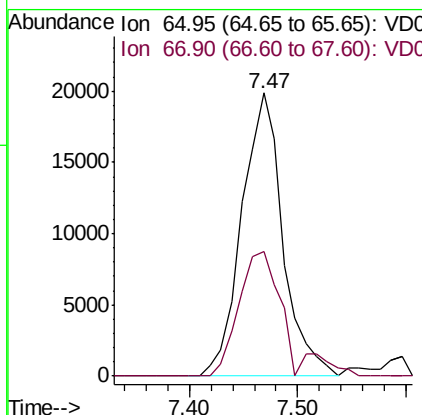
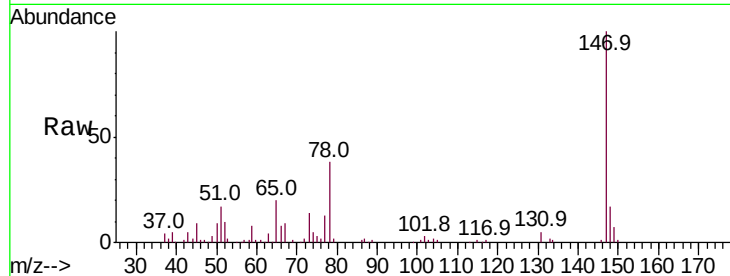




#33
 1,2-Dichloroethane-d4
 Concen: 5.043 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. -0.00 min
 Lab File: VD062547.D
 Acq: 30 May 2019 11:38

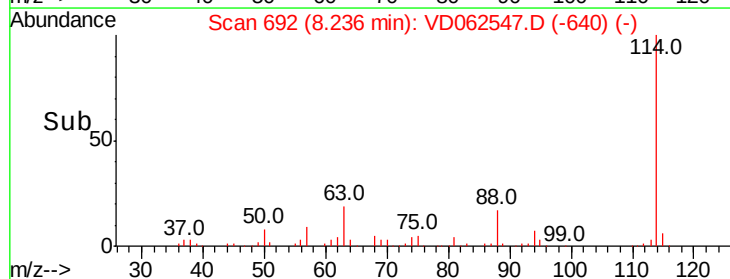
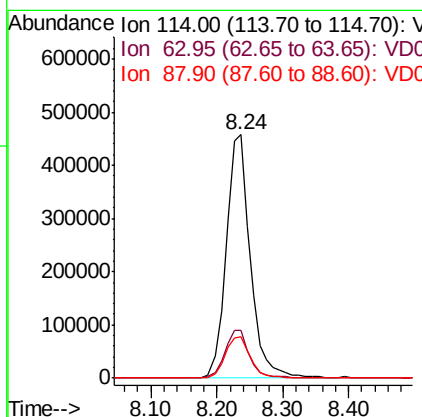
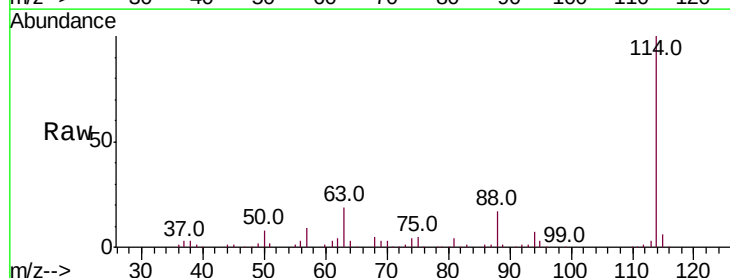
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

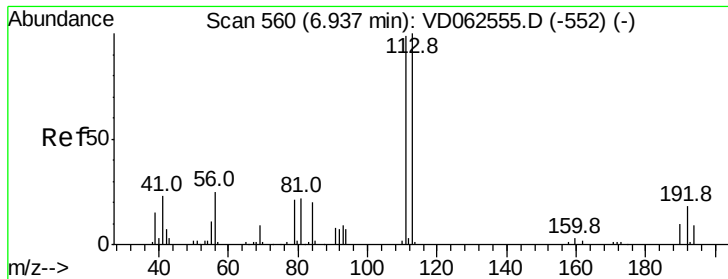
Tot Ion: 65 Resp: 52393
 Ion Ratio Lower Upper
 65 100
 67 43.9 0.0 83.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: VD062547.D
 Acq: 30 May 2019 11:38

Tgt Ion: 114 Resp: 1173259
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.6
 88 17.1 0.0 37.6





#35

Dibromofluoromethane

Concen: 4.720 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

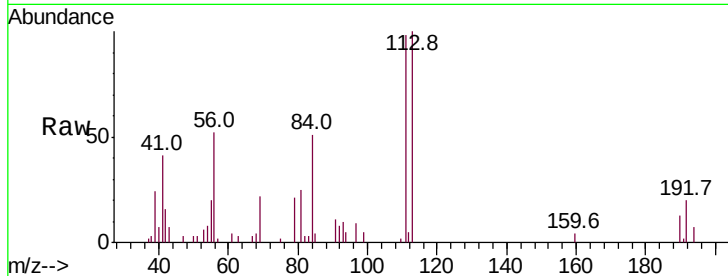
Tot Ion:113 Resp: 51177

Ion Ratio Lower Upper

113 100

111 98.0 78.8 118.2

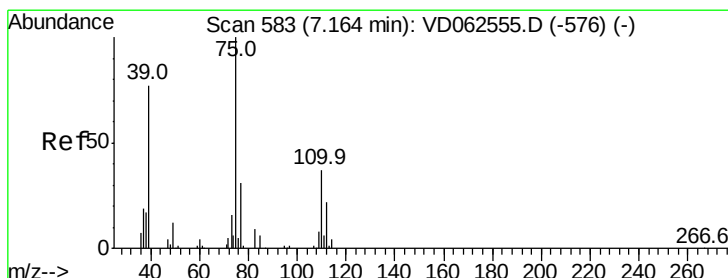
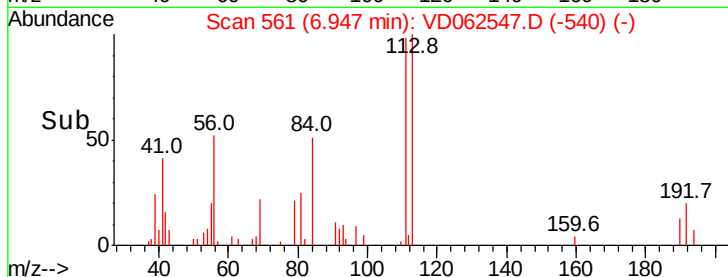
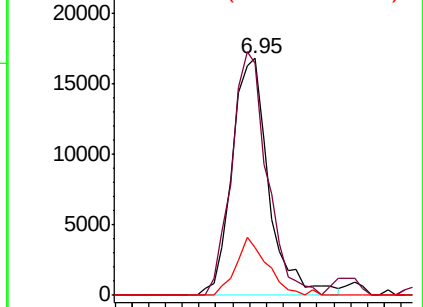
192 20.4 14.6 22.0



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: 5.025 ug/l

RT: 7.15 min Scan# 582

Delta R.T. -0.01 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

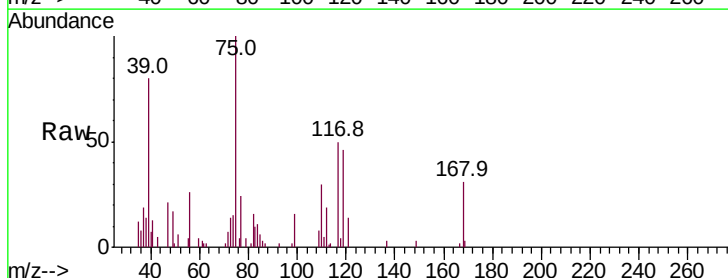
Tgt Ion: 75 Resp: 59789

Ion Ratio Lower Upper

75 100

110 30.1 18.3 54.8

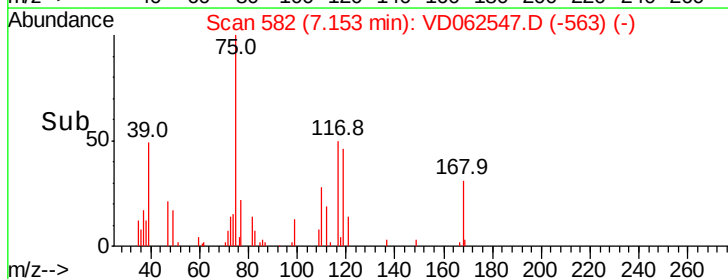
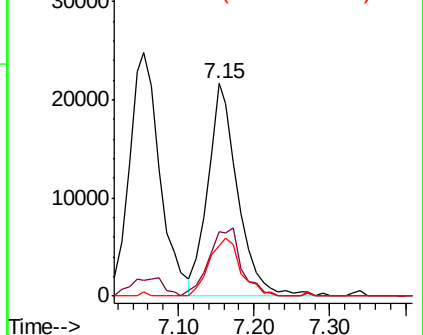
77 23.8 24.4 36.6#

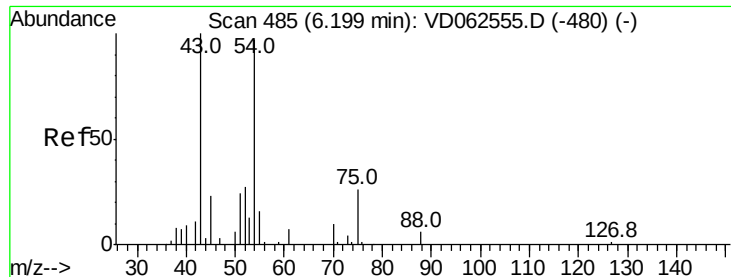


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

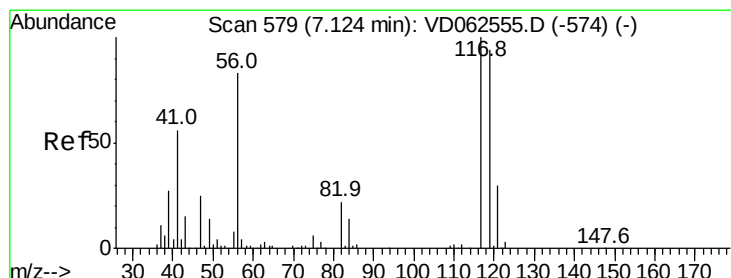
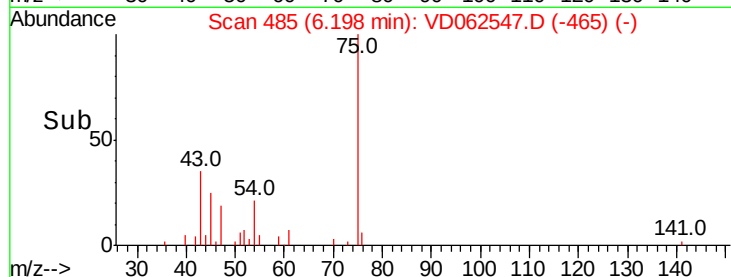
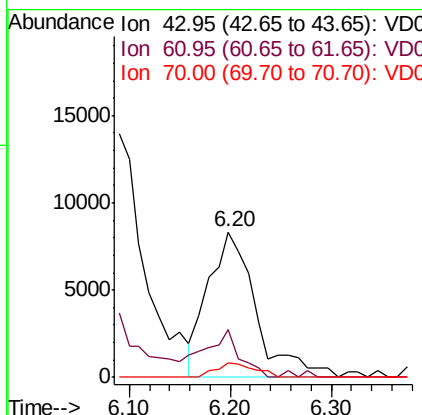
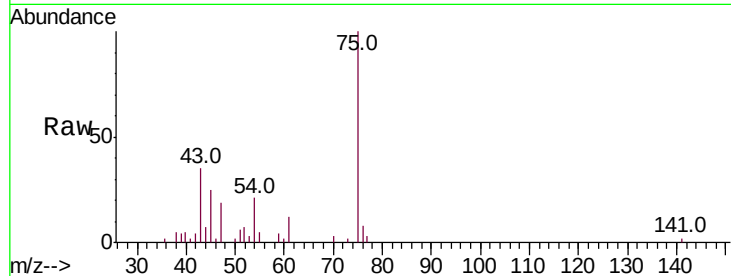




#37
Ethyl Acetate
Concen: 5.177 ug/l
RT: 6.20 min Scan# 485
Delta R.T. -0.00 min
Lab File: VD062547.D
Acq: 30 May 2019 11:38

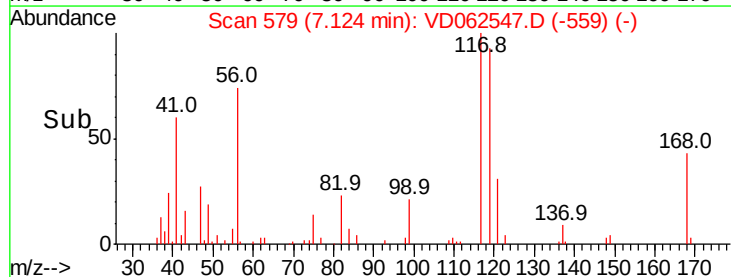
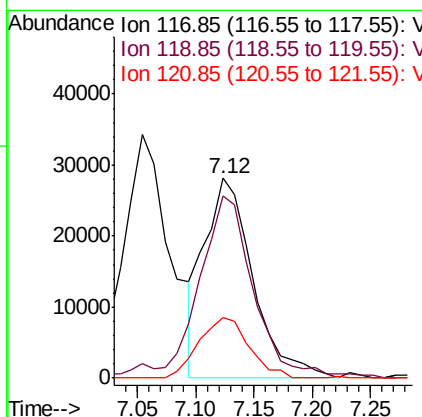
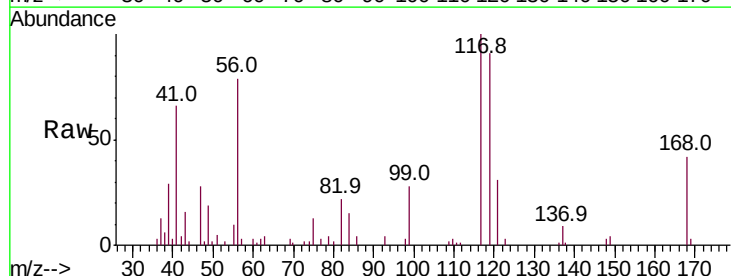
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

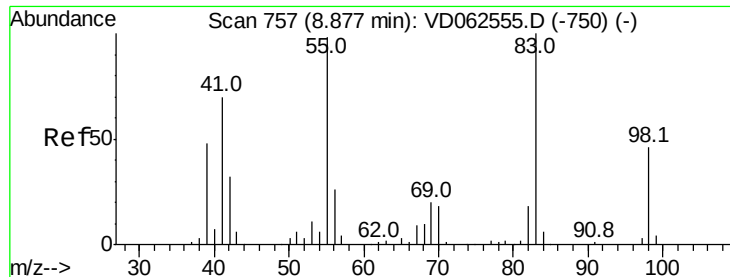
Tot Ion: 43 Resp: 27510
Ion Ratio Lower Upper
43 100
61 33.0 9.8 14.8#
70 9.6 6.5 9.7



#38
Carbon Tetrachloride
Concen: 4.527 ug/l
RT: 7.12 min Scan# 579
Delta R.T. -0.00 min
Lab File: VD062547.D
Acq: 30 May 2019 11:38

Tgt Ion: 117 Resp: 81368
Ion Ratio Lower Upper
117 100
119 91.2 71.4 107.2
121 30.6 22.5 33.7

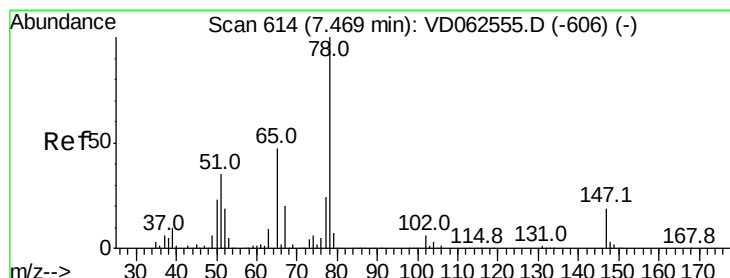
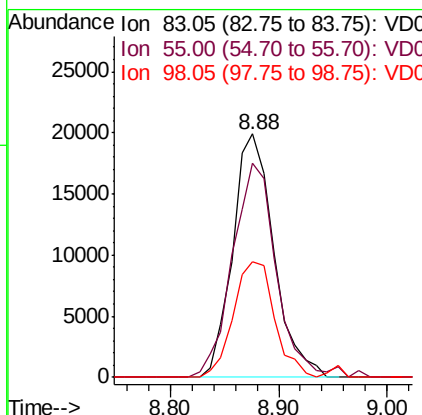
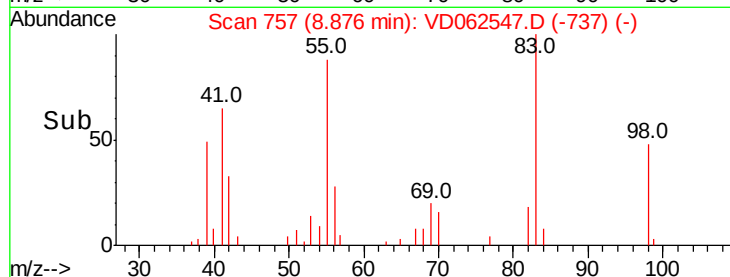
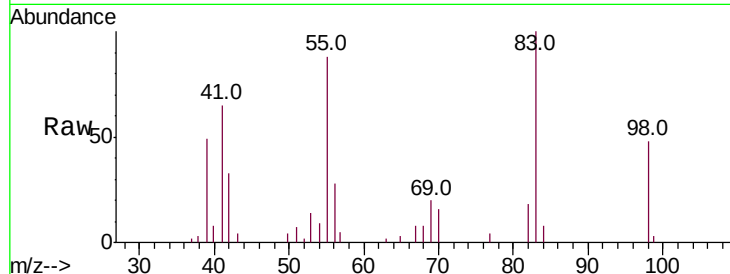




#39
Methylvlcyclohexane
Concen: 5.277 ug/l
RT: 8.88 min Scan# 757
Delta R.T. -0.00 min
Lab File: VD062547.D
Acq: 30 May 2019 11:38

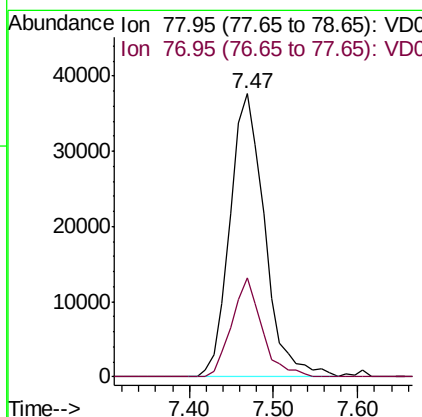
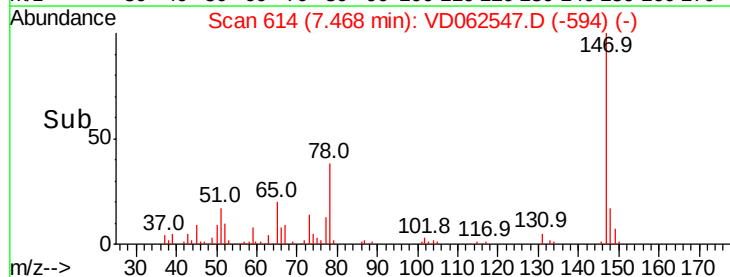
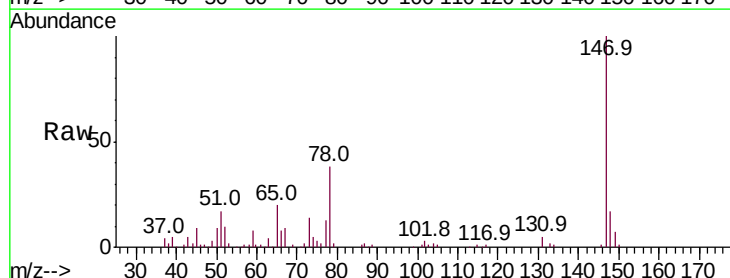
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

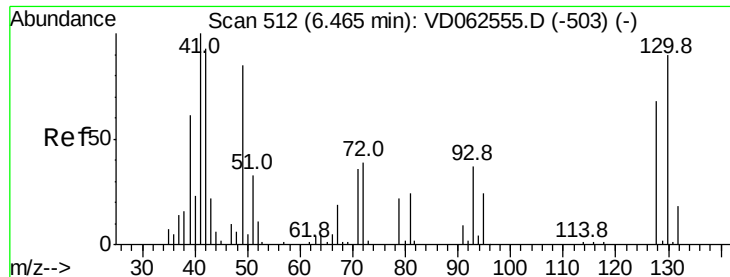
Tot Ion: 83 Resp: 52601
Ion Ratio Lower Upper
83 100
55 87.8 78.7 118.1
98 47.6 37.2 55.8



#40
Benzene
Concen: 4.630 ug/l
RT: 7.47 min Scan# 614
Delta R.T. -0.00 min
Lab File: VD062547.D
Acq: 30 May 2019 11:38

Tgt Ion: 78 Resp: 108231
Ion Ratio Lower Upper
78 100
77 35.0 19.1 28.7#





#41

Methacrylonitrile

Concen: 4.678 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.01 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 27864

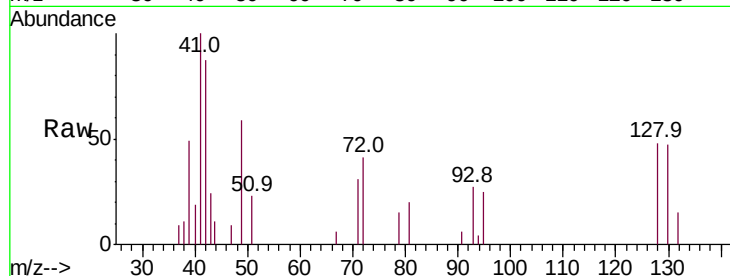
Ion Ratio Lower Upper

41 100

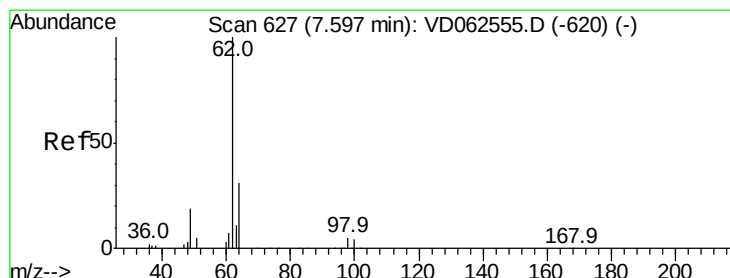
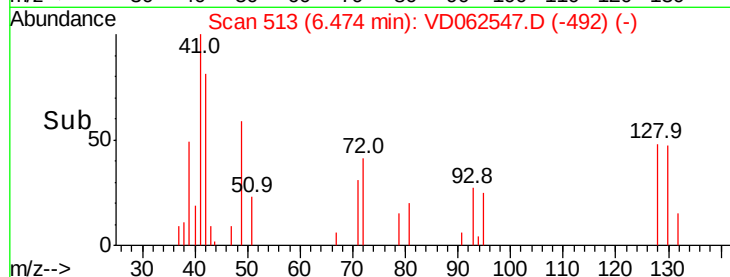
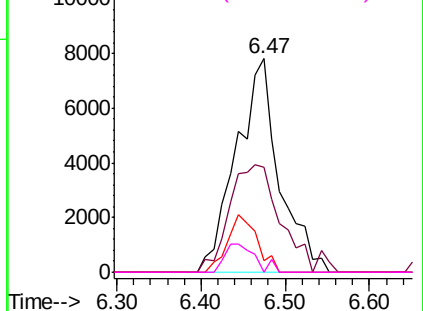
39 49.4 49.0 73.6

67 5.6 15.5 23.3#

52 0.0 8.9 13.3#



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: 4.599 ug/l

RT: 7.60 min Scan# 627

Delta R.T. -0.00 min

Lab File: VD062547.D

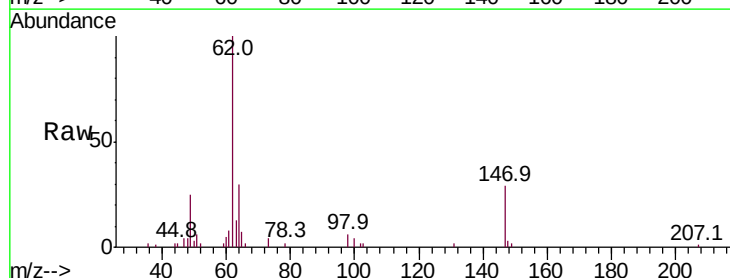
Acq: 30 May 2019 11:38

Tgt Ion: 62 Resp: 60013

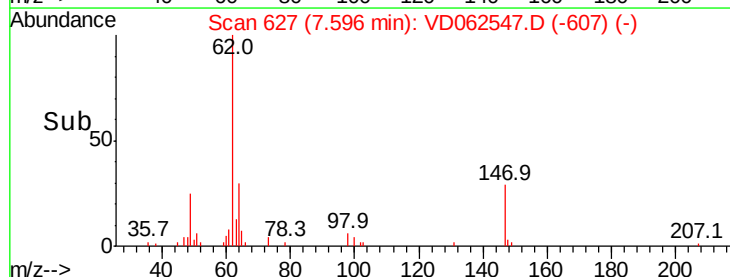
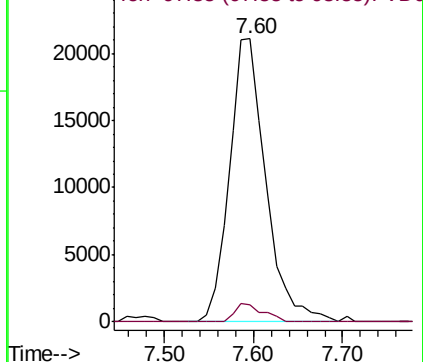
Ion Ratio Lower Upper

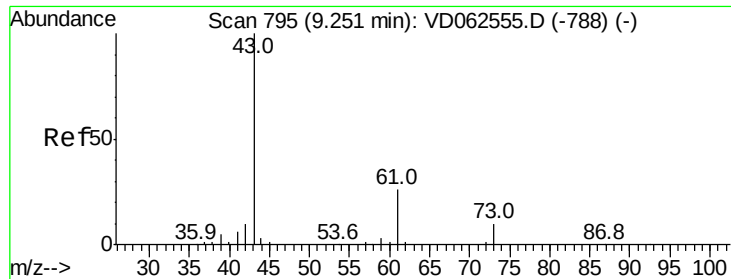
62 100

98 5.8 0.0 11.0



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 4.307 ug/l

RT: 9.25 min Scan# 795

Delta R.T. -0.00 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

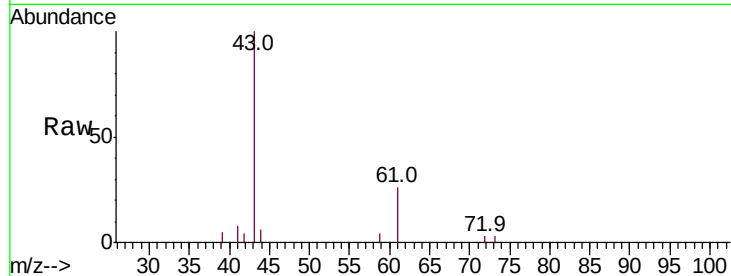
Tot Ion: 43 Resp: 27137

Ion Ratio Lower Upper

43 100

61 25.6 20.5 30.7

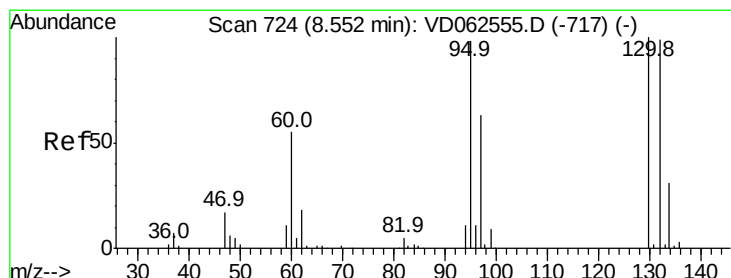
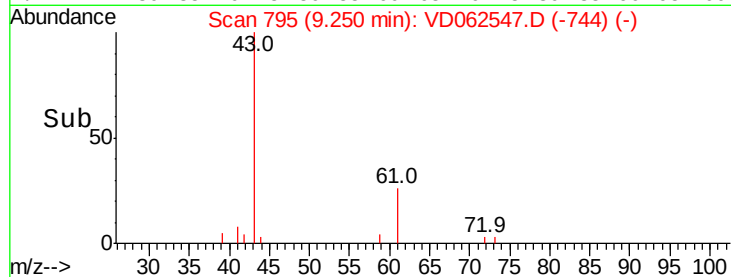
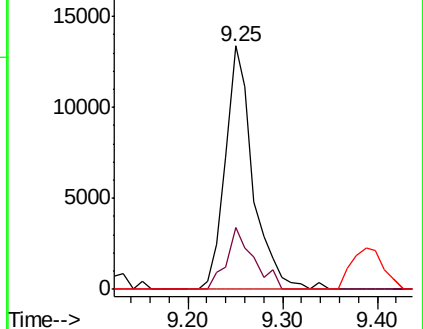
87 0.0 0.2 0.2#



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: 4.772 ug/l

RT: 8.55 min Scan# 724

Delta R.T. -0.00 min

Lab File: VD062547.D

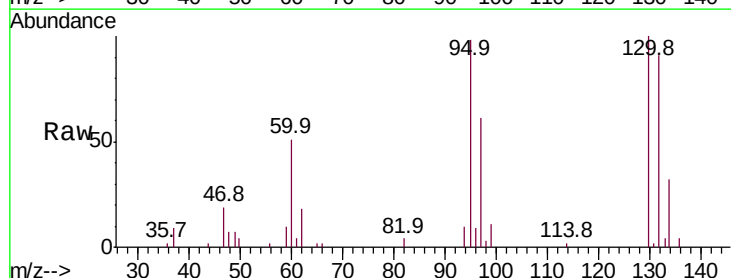
Acq: 30 May 2019 11:38

Tgt Ion:130 Resp: 44650

Ion Ratio Lower Upper

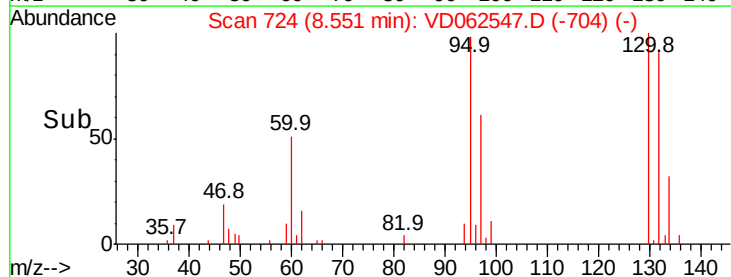
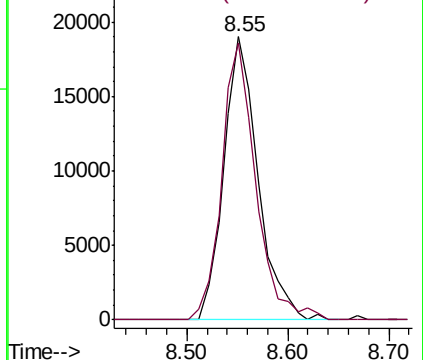
130 100

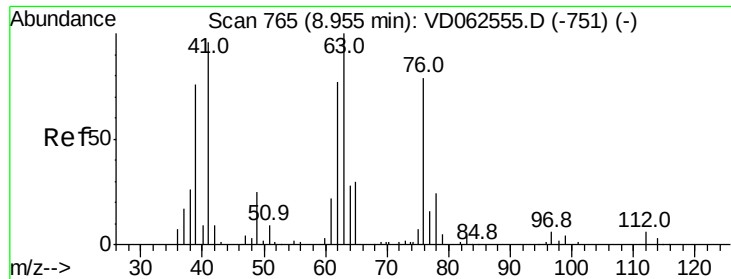
95 98.0 0.0 196.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

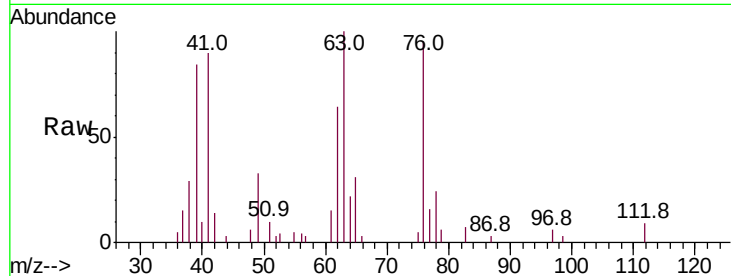




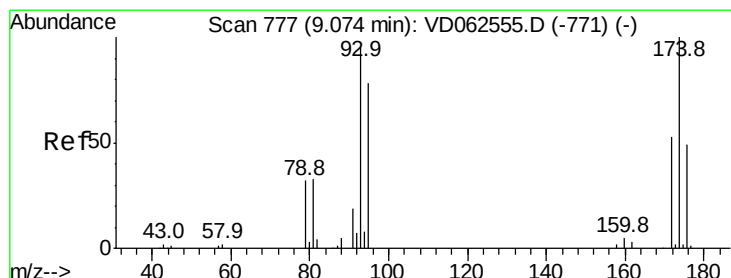
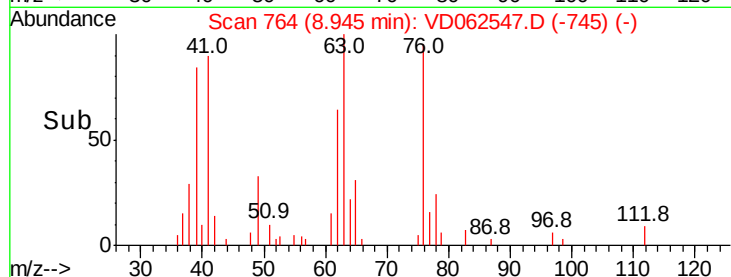
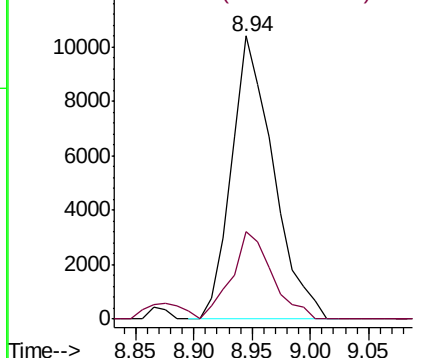
#45
 1,2-Dichloropropane
 Concen: 4.495 ug/l
 RT: 8.94 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VD062547.D
 Acq: 30 May 2019 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 25809
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.7 35.5

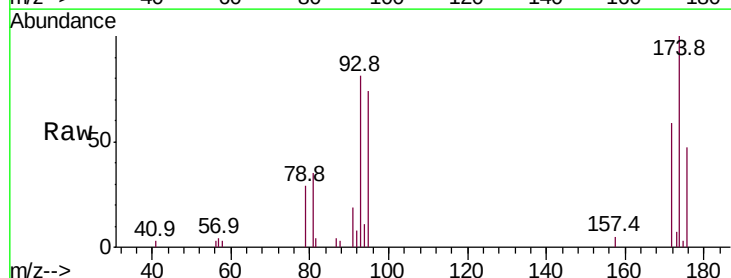


Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 64.95 (64.65 to 65.65): VDC

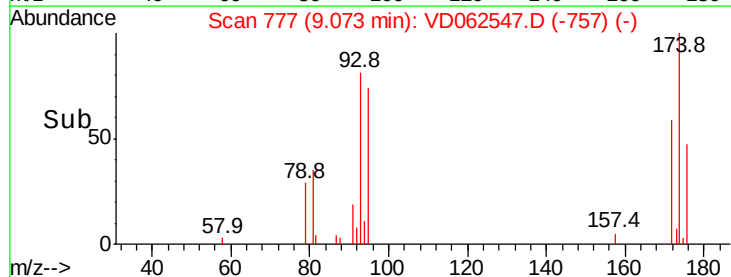
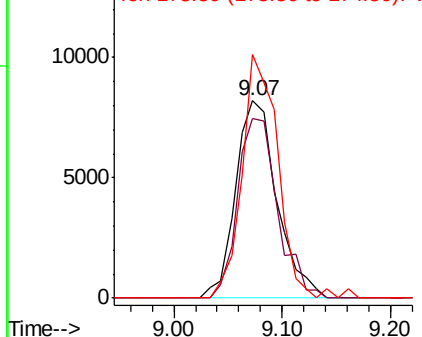


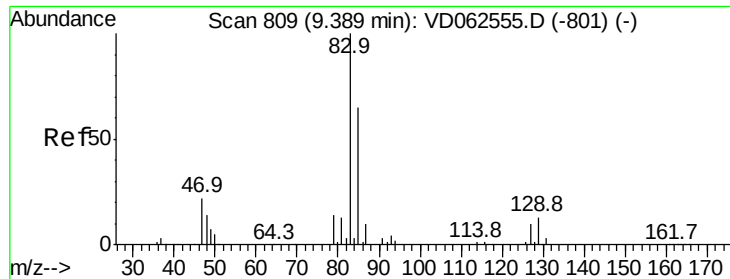
#46
 Dibromomethane
 Concen: 4.550 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. -0.00 min
 Lab File: VD062547.D
 Acq: 30 May 2019 11:38

Tgt Ion: 93 Resp: 21788
 Ion Ratio Lower Upper
 93 100
 95 90.7 66.1 99.1
 174 123.3 84.2 126.4



Abundance Ion 92.90 (92.60 to 93.60): VDC
 Ion 94.90 (94.60 to 95.60): VDC
 Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 4.532 ug/l

RT: 9.39 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

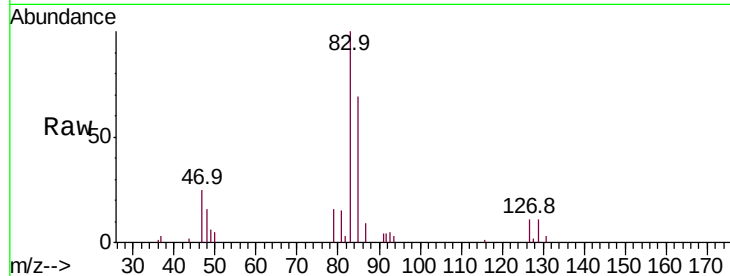
Tot Ion: 83 Resp: 60283

Ion Ratio Lower Upper

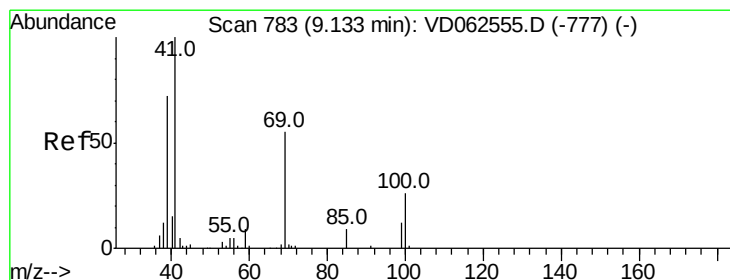
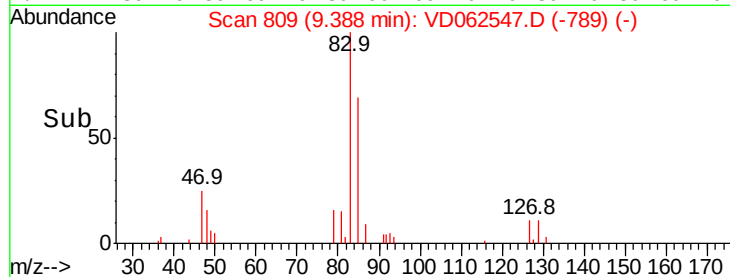
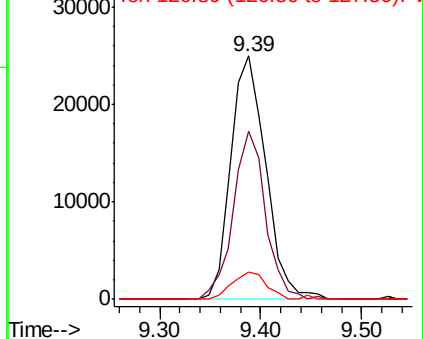
83 100

85 68.9 51.8 77.8

127 11.1 7.8 11.6



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: 4.137 ug/l

RT: 9.13 min Scan# 783

Delta R.T. -0.00 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

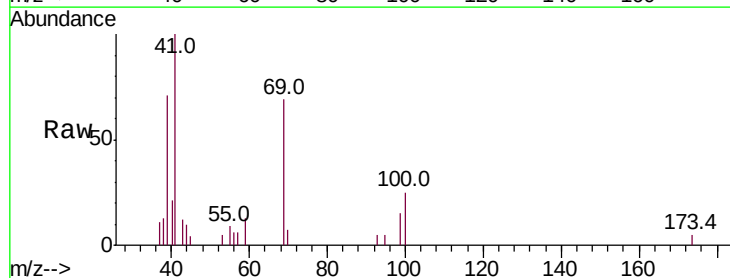
Tgt Ion: 41 Resp: 17908

Ion Ratio Lower Upper

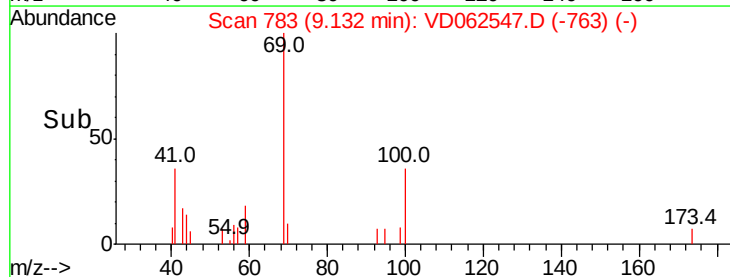
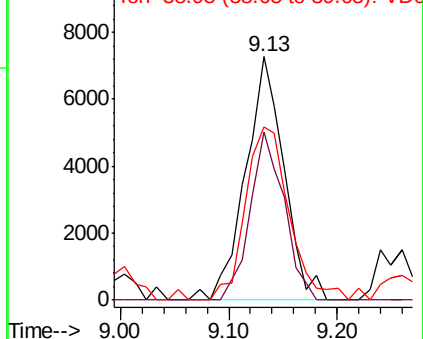
41 100

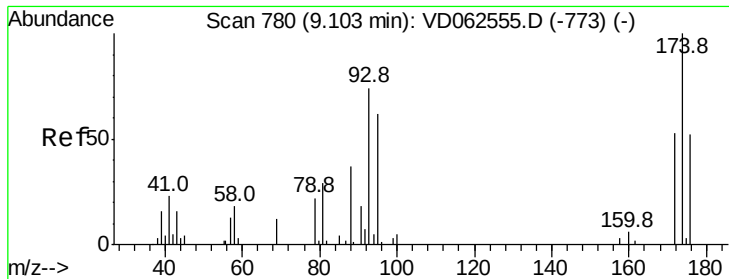
69 69.0 43.6 65.4#

39 71.3 58.1 87.1



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

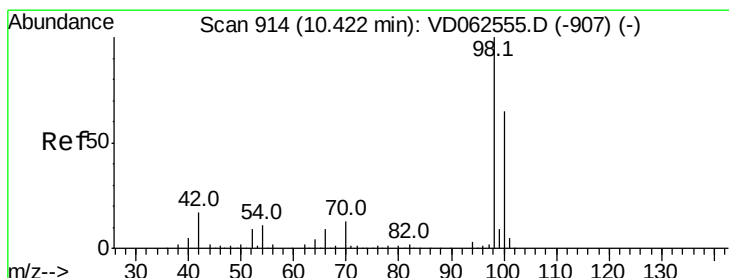
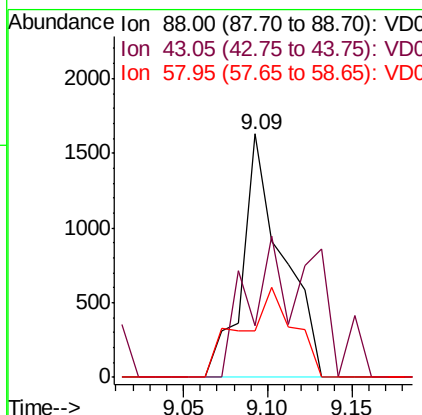
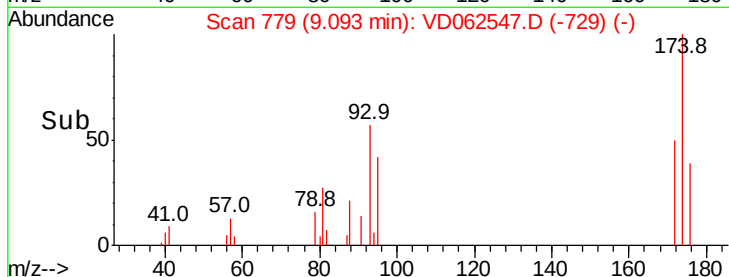
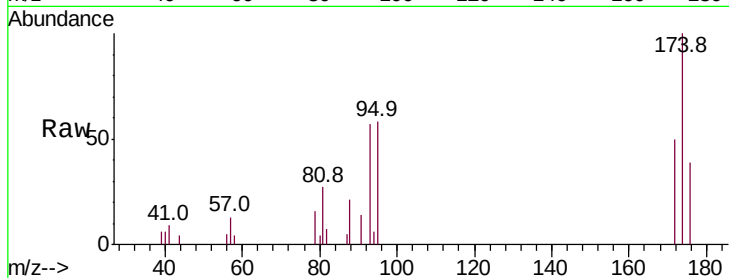




#49
 1,4-Dioxane
 Concen: 76.603 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: VD062547.D
 Acq: 30 May 2019 11:38

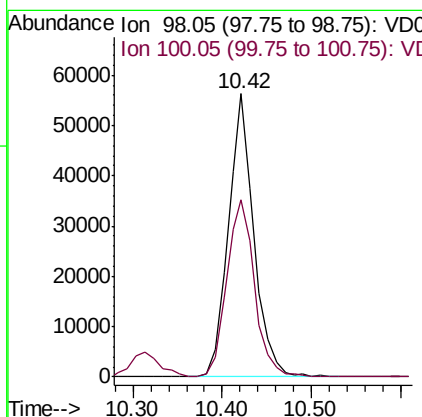
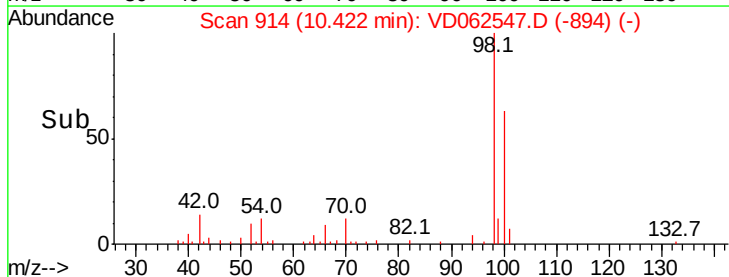
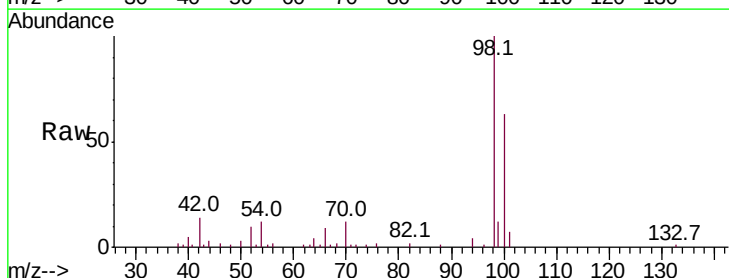
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

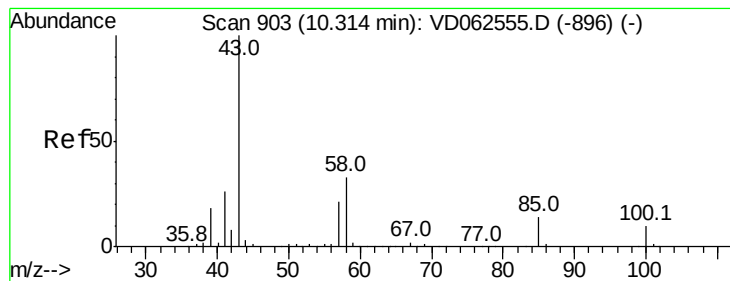
Tot Ion: 88 Resp: 2692
 Ion Ratio Lower Upper
 88 100
 43 21.0 37.1 55.7#
 58 19.0 39.3 58.9#



#50
 Toluene-d8
 Concen: 4.780 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VD062547.D
 Acq: 30 May 2019 11:38

Tgt Ion: 98 Resp: 112307
 Ion Ratio Lower Upper
 98 100
 100 62.6 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 24.389 ug/l

RT: 10.31 min Scan# 903

Delta R.T. -0.00 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

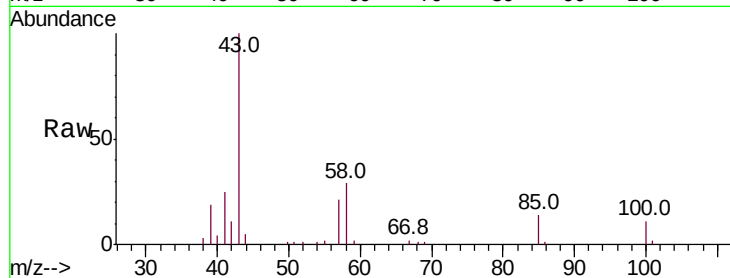
VSTDIC005

Tot Ion: 43 Resp: 108699

Ion Ratio Lower Upper

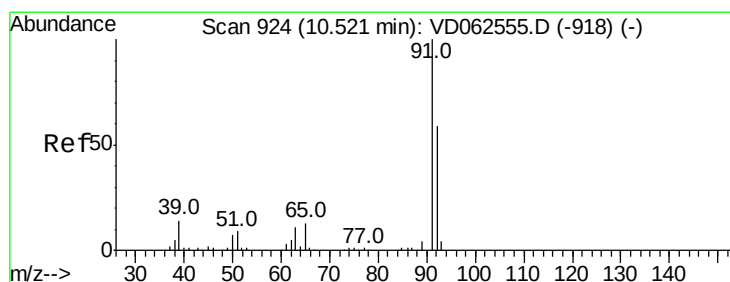
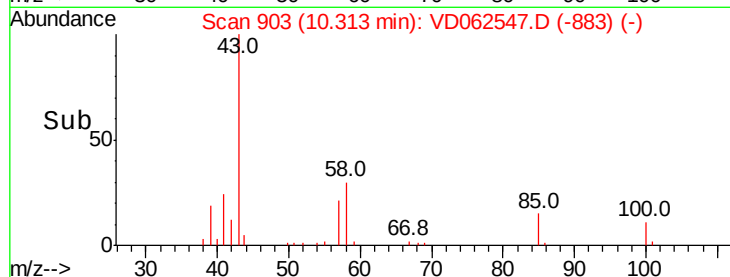
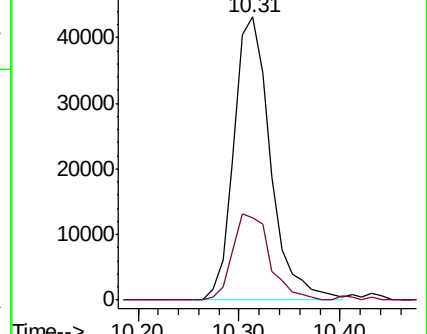
43 100

58 29.1 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 4.762 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.00 min

Lab File: VD062547.D

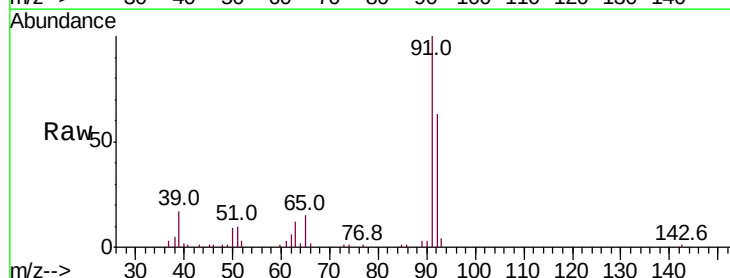
Acq: 30 May 2019 11:38

Tgt Ion: 92 Resp: 75729

Ion Ratio Lower Upper

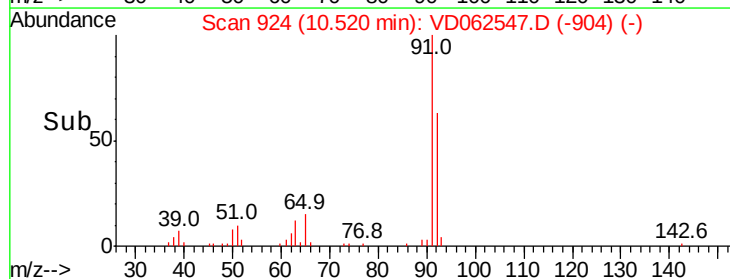
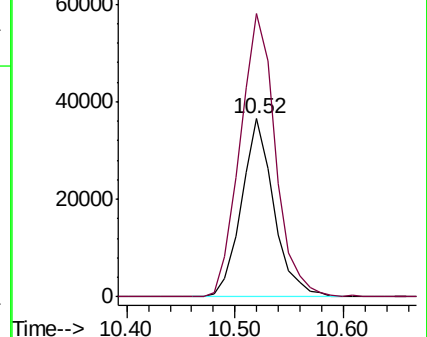
92 100

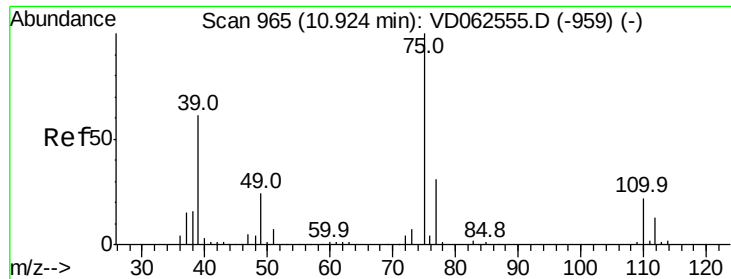
91 159.0 135.5 203.3



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: 4.491 ug/l

RT: 10.92 min Scan# 965

Delta R.T. -0.00 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

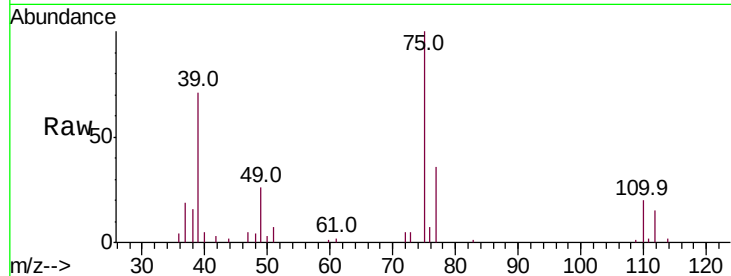
VSTDIC005

Tot Ion: 75 Resp: 51071

Ion Ratio Lower Upper

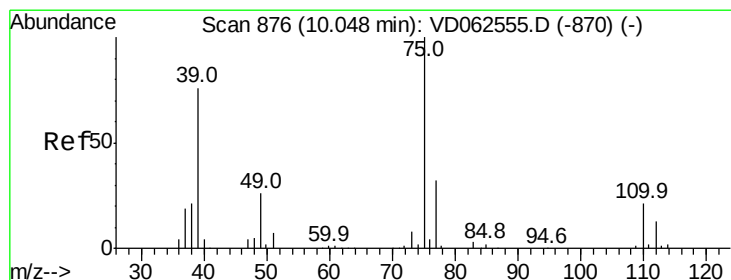
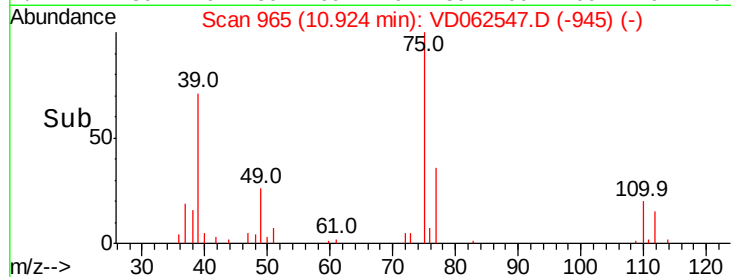
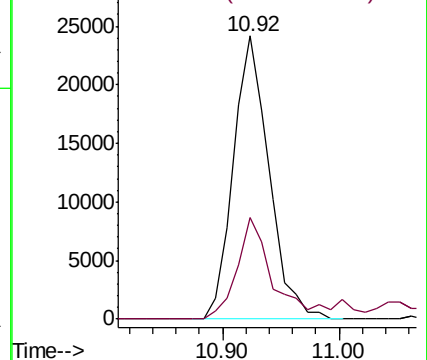
75 100

77 36.0 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 4.513 ug/l

RT: 10.05 min Scan# 876

Delta R.T. -0.00 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

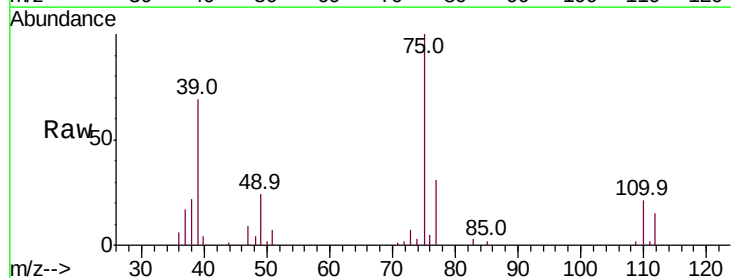
Tgt Ion: 75 Resp: 53053

Ion Ratio Lower Upper

75 100

77 30.7 25.7 38.5

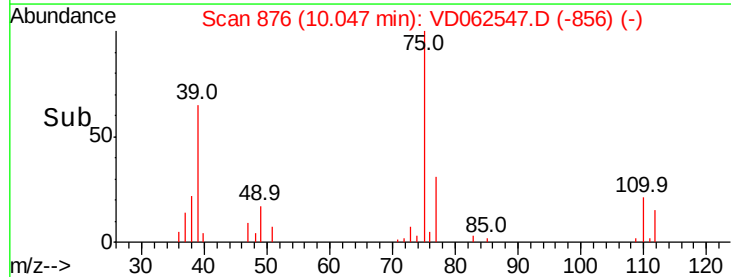
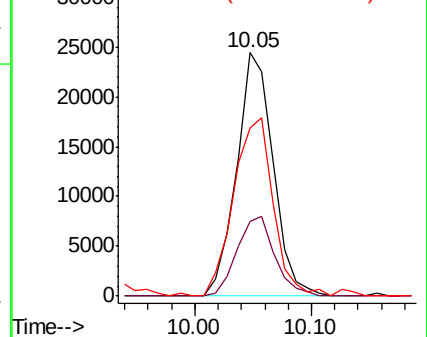
39 69.1 61.0 91.6

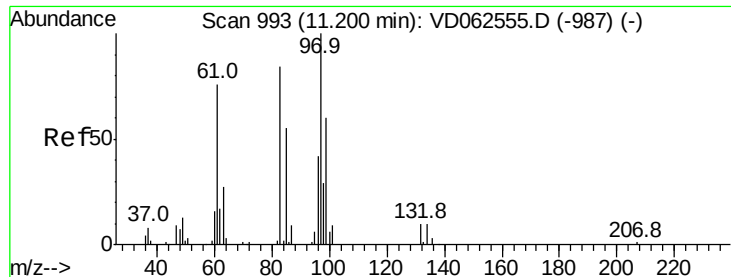


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

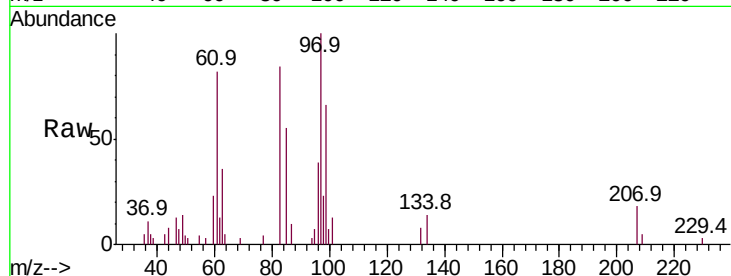




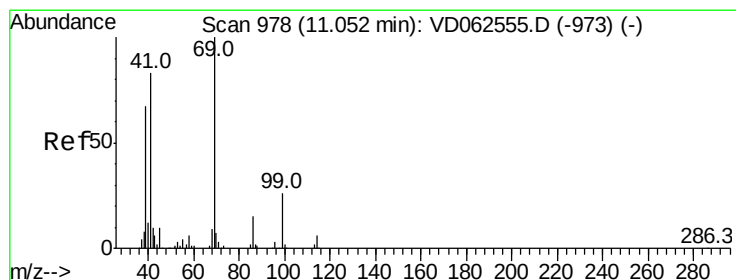
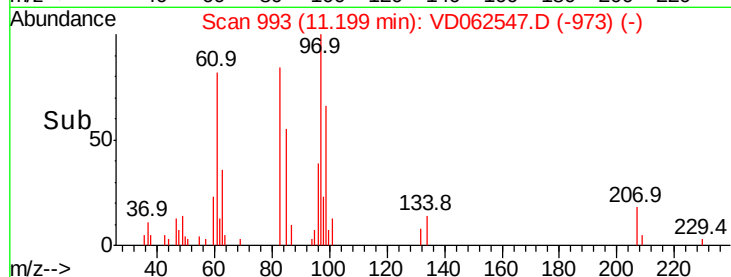
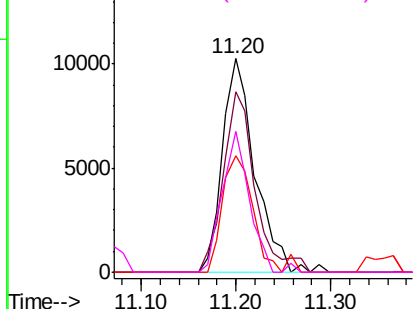
#55
 1,1,2-Trichloroethane
 Concen: 4.637 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VD062547.D
 Acq: 30 May 2019 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 97 Resp: 24521
 Ion Ratio Lower Upper
 97 100
 83 84.5 67.3 100.9
 85 54.6 43.8 65.8
 99 66.0 48.2 72.2

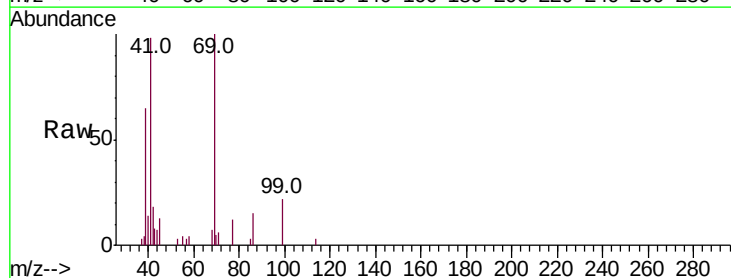


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

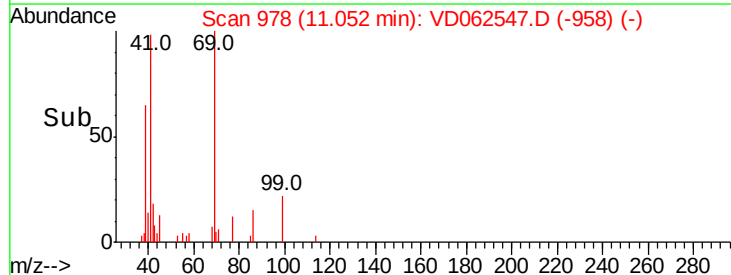
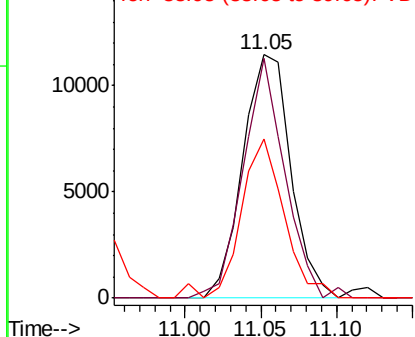


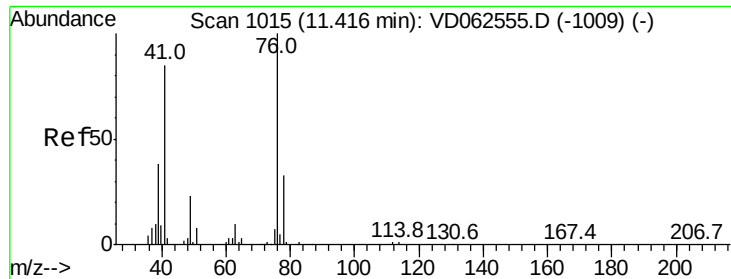
#56
 Ethyl methacrylate
 Concen: 4.536 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VD062547.D
 Acq: 30 May 2019 11:38

Tgt Ion: 69 Resp: 25369
 Ion Ratio Lower Upper
 69 100
 41 98.3 66.1 99.1
 39 65.2 54.2 81.2



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: 4.737 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

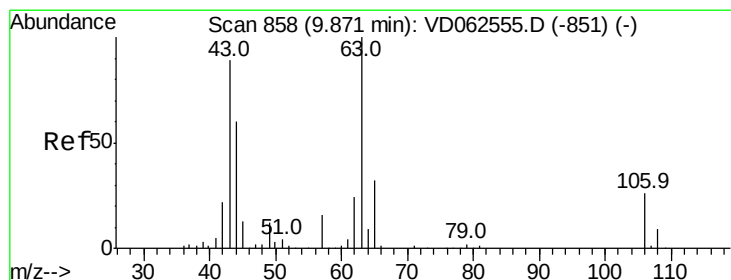
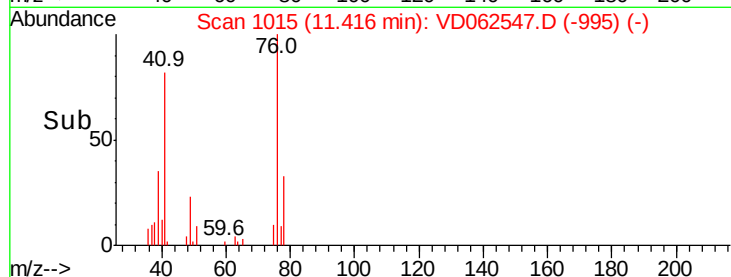
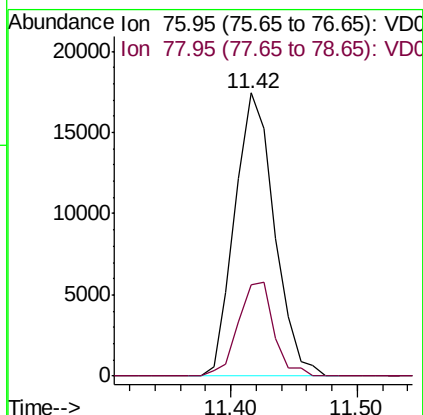
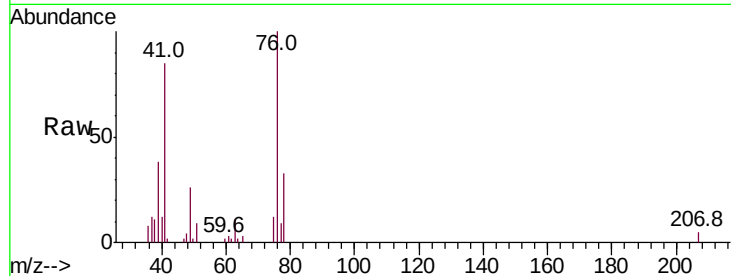
VSTDIC005

Tot Ion: 76 Resp: 37934

Ion Ratio Lower Upper

76 100

78 32.5 26.7 40.1



#58

2-Chloroethyl Vinyl ether

Concen: 23.845 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.01 min

Lab File: VD062547.D

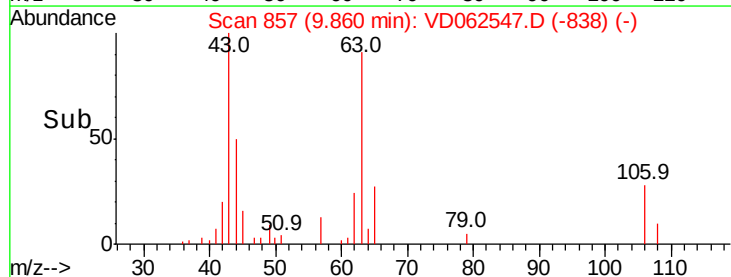
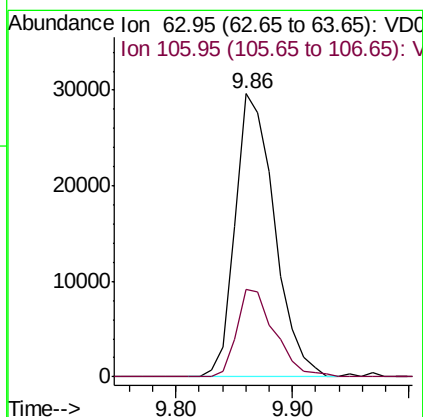
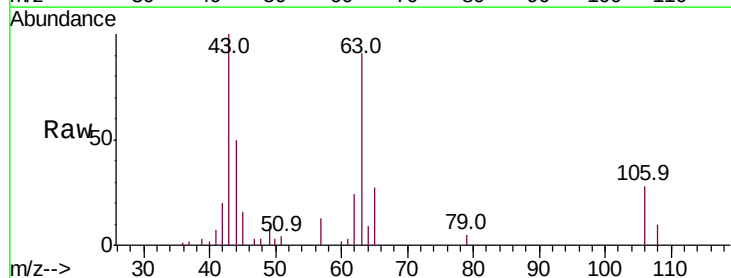
Acq: 30 May 2019 11:38

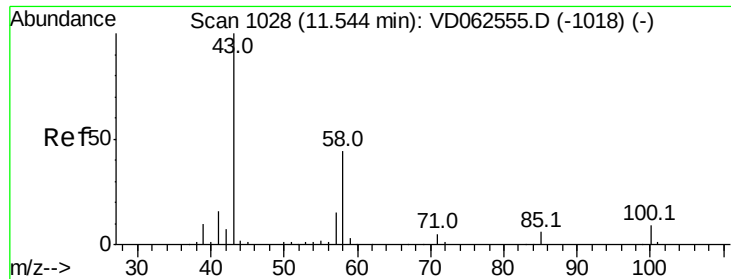
Tgt Ion: 63 Resp: 69119

Ion Ratio Lower Upper

63 100

106 31.1 21.0 31.4

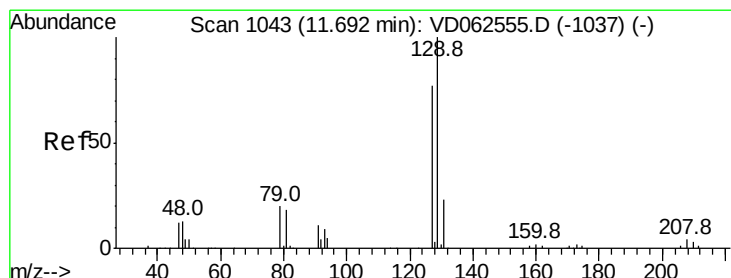
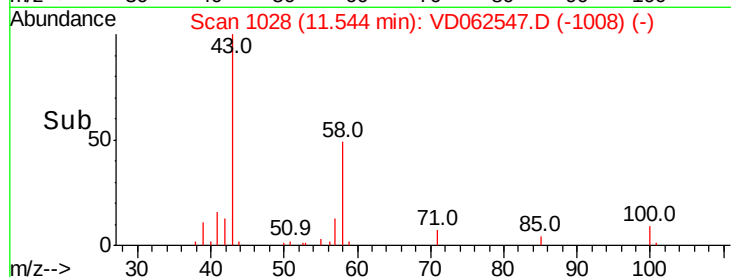
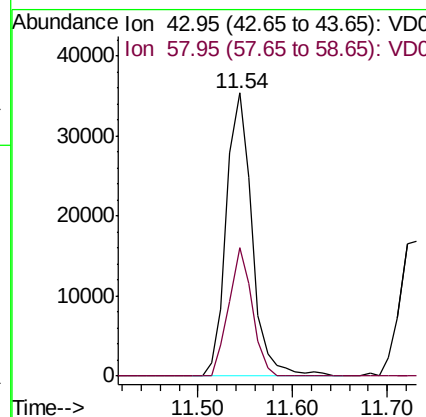
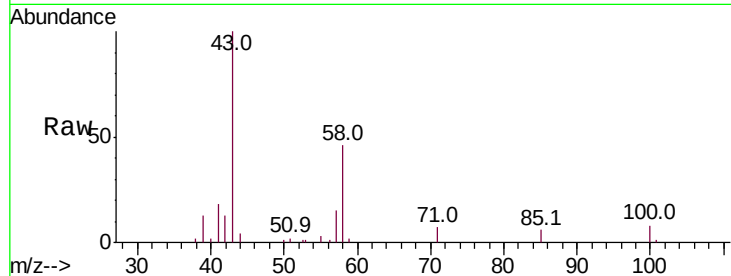




#59
2-Hexanone
Concen: 21.454 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VD062547.D
Acq: 30 May 2019 11:38

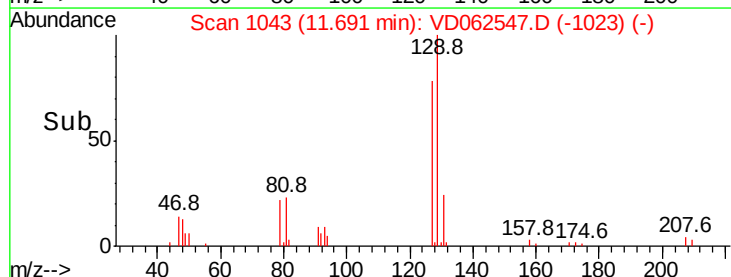
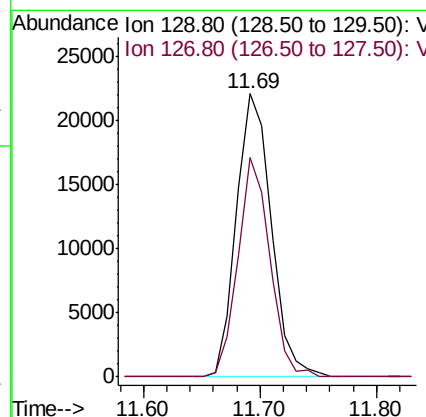
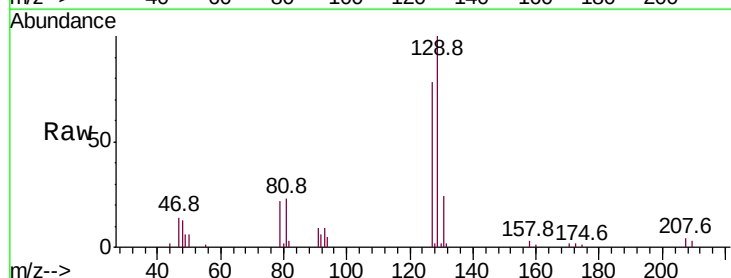
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

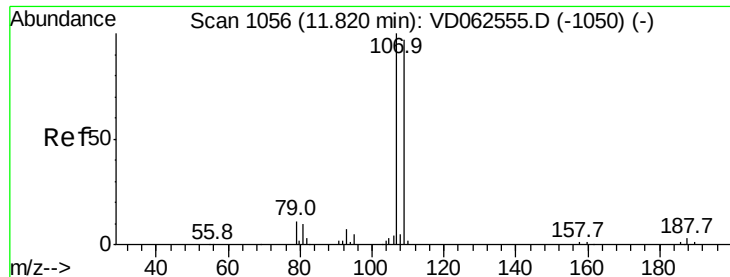
Tot Ion: 43 Resp: 66806
Ion Ratio Lower Upper
43 100
58 45.6 22.0 66.0



#60
Dibromochloromethane
Concen: 4.472 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062547.D
Acq: 30 May 2019 11:38

Tgt Ion: 129 Resp: 45872
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8





#61

1,2-Dibromoethane

Concen: 4.726 ug/l

RT: 11.82 min Scan# 1056

Delta R.T. -0.00 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

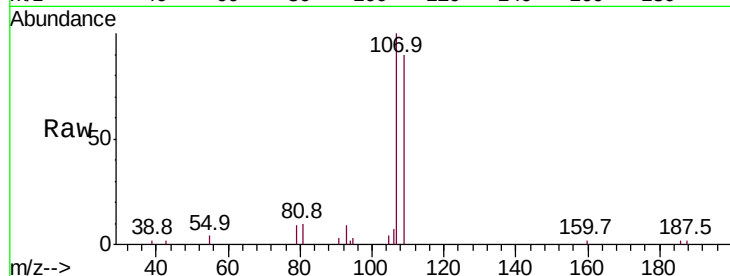
VSTDIC005

Tot Ion:107 Resp: 29568

Ion Ratio Lower Upper

107 100

109 90.3 77.3 115.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.82

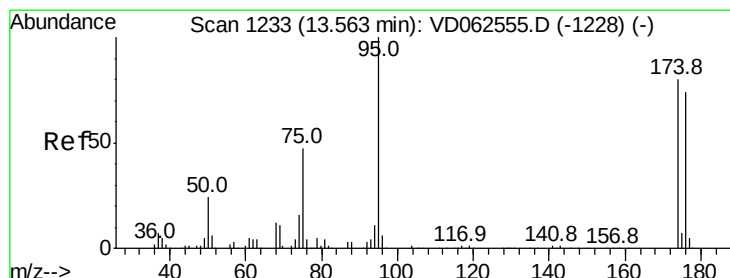
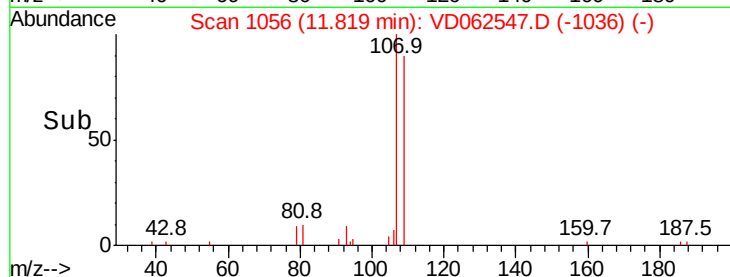
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 5.157 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

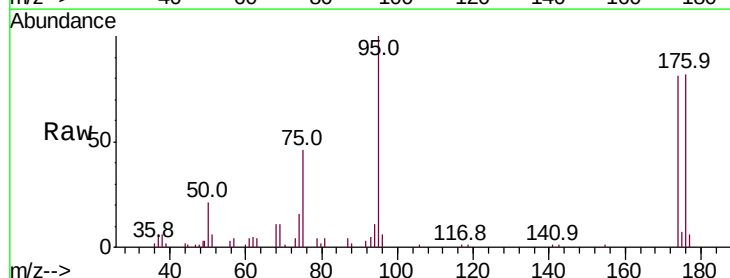
Tgt Ion: 95 Resp: 54323

Ion Ratio Lower Upper

95 100

174 81.1 0.0 160.2

176 81.6 0.0 148.0



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

13.56

60000

50000

40000

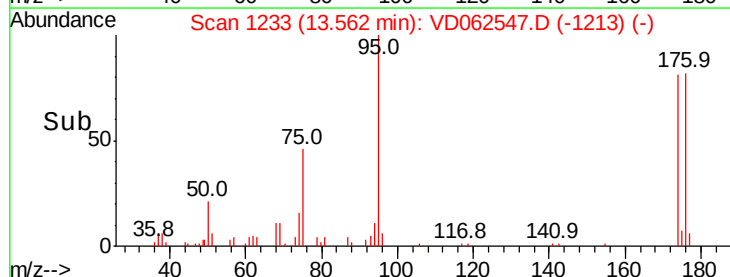
30000

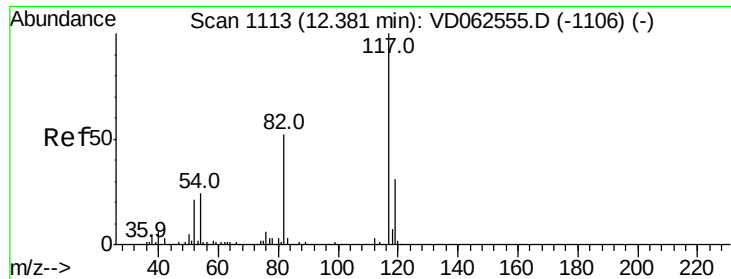
20000

10000

0

Time-->

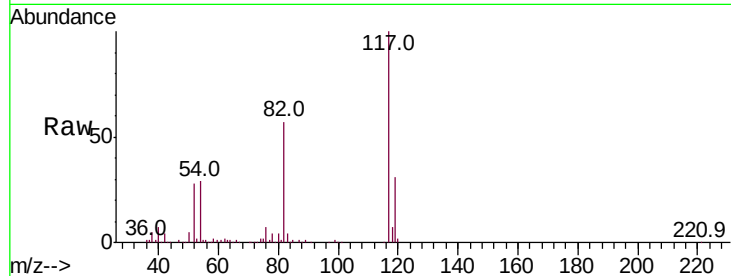




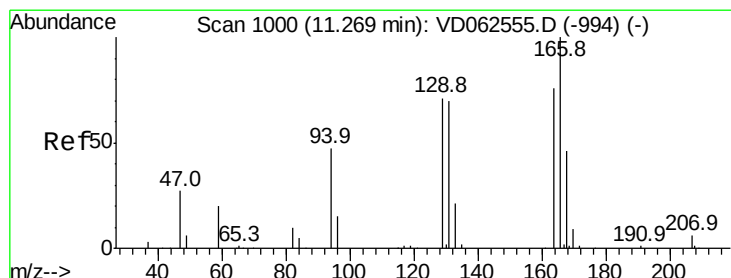
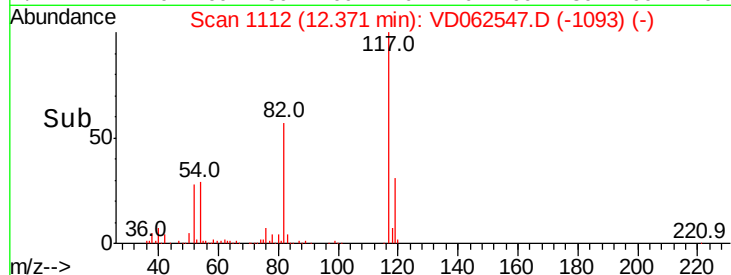
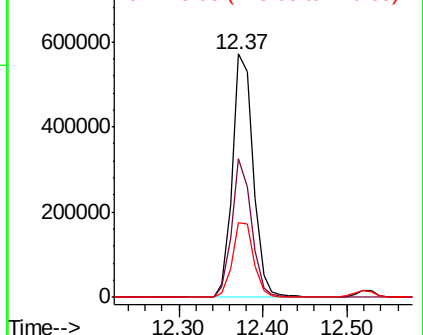
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062547.D
Acq: 30 May 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 985189
Ion Ratio Lower Upper
117 100
82 57.1 41.4 62.2
119 30.9 24.9 37.3

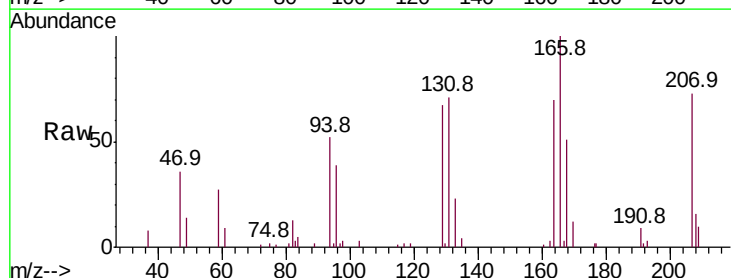


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

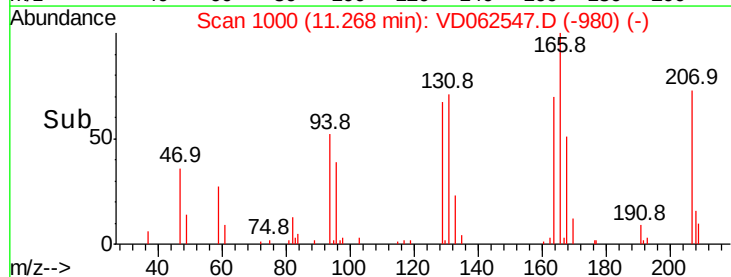
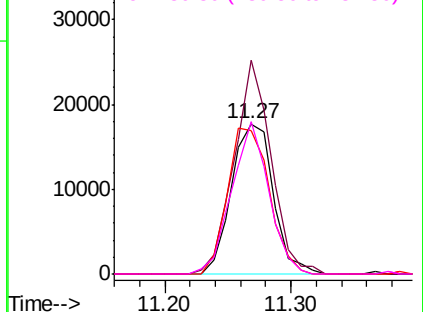


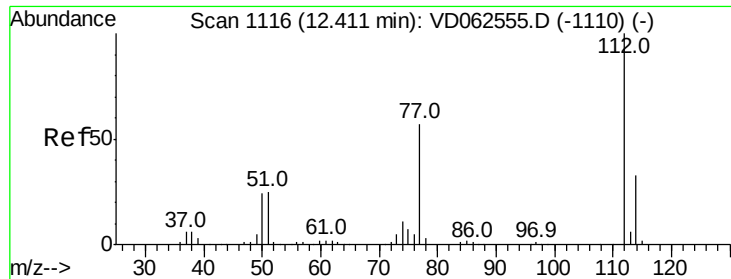
#64
Tetrachloroethene
Concen: 4.548 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VD062547.D
Acq: 30 May 2019 11:38

Tgt Ion:164 Resp: 40554
Ion Ratio Lower Upper
164 100
166 142.6 105.3 157.9
129 95.4 75.3 112.9
131 101.9 73.3 109.9



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

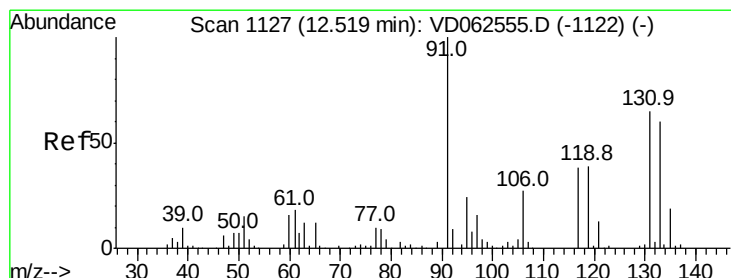
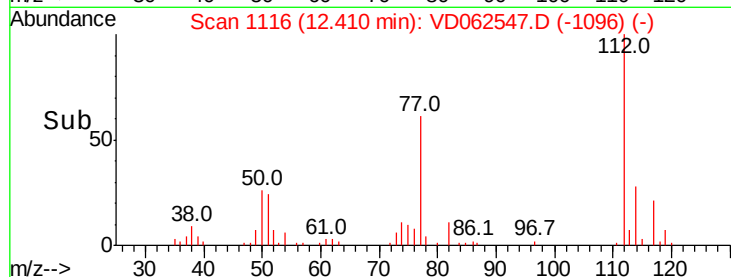
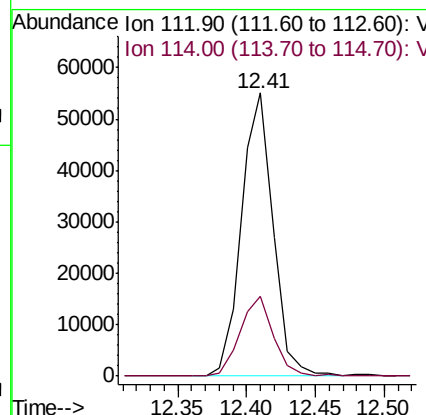
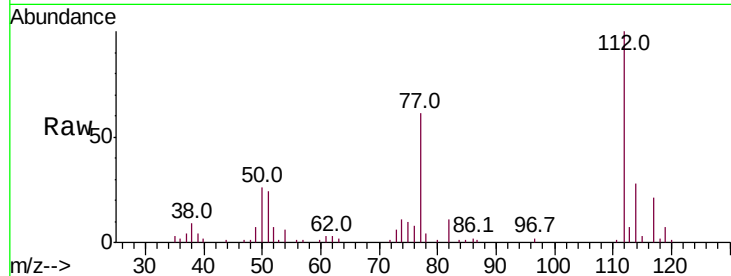




#65
Chlorobenzene
Concen: 4.417 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. -0.00 min
Lab File: VD062547.D
Acq: 30 May 2019 11:38

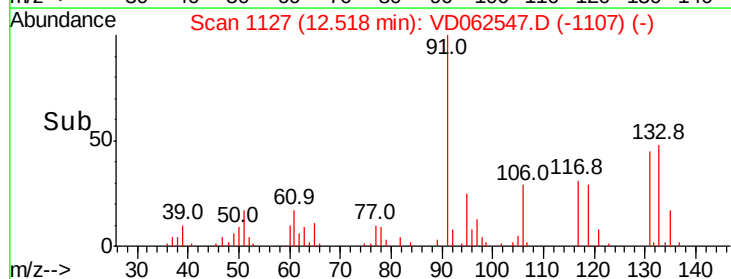
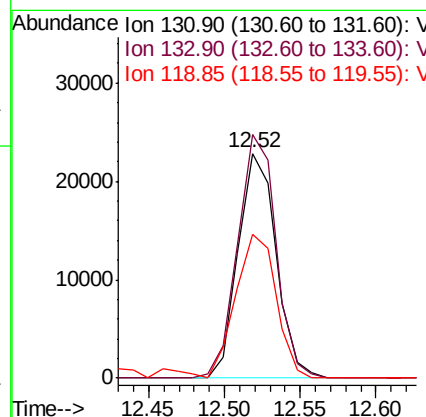
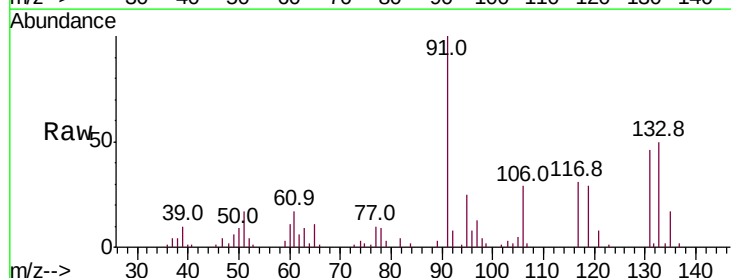
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

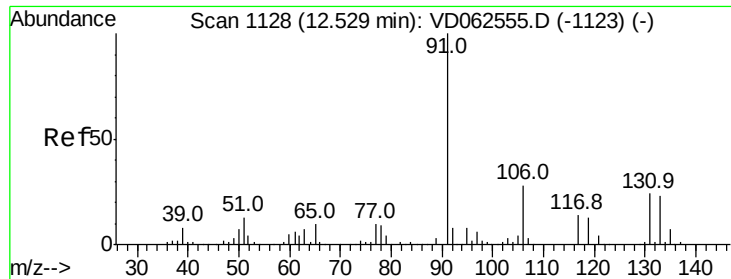
Tot Ion:112 Resp: 87987
Ion Ratio Lower Upper
112 100
114 28.2 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 4.264 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062547.D
Acq: 30 May 2019 11:38

Tgt Ion:131 Resp: 39696
Ion Ratio Lower Upper
131 100
133 108.4 46.2 138.6
119 64.1 29.5 88.6

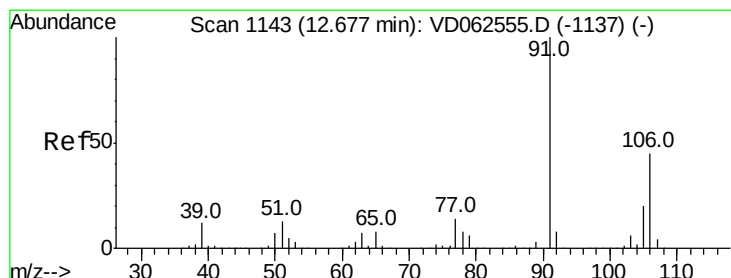
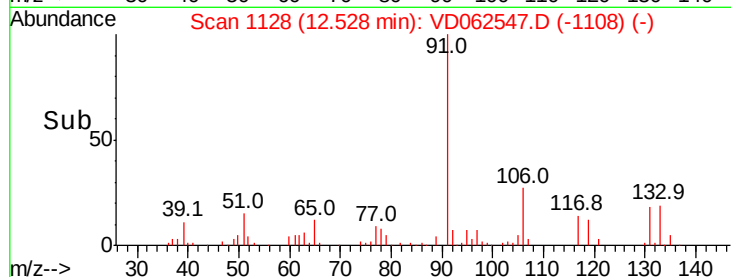
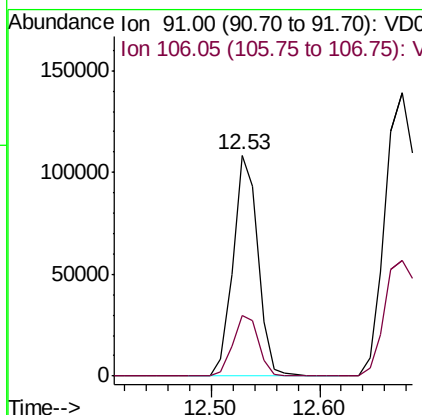
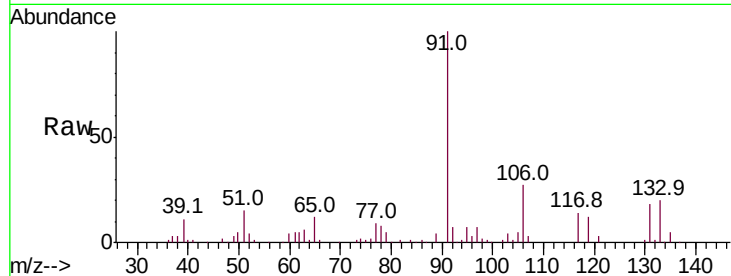




#67
Ethyl Benzene
Concen: 4.843 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062547.D
Acq: 30 May 2019 11:38

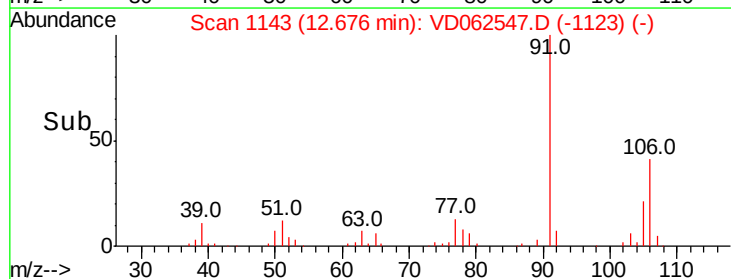
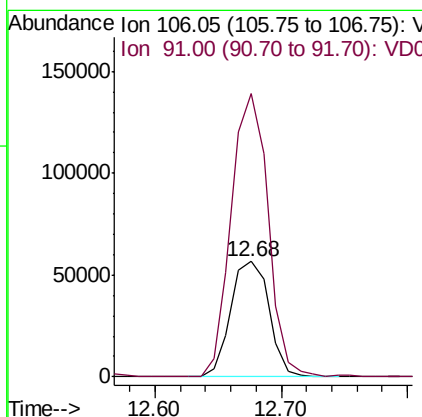
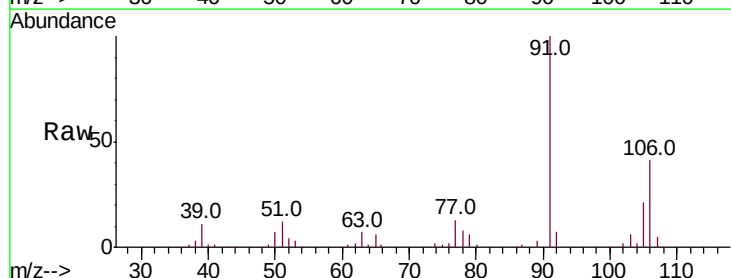
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

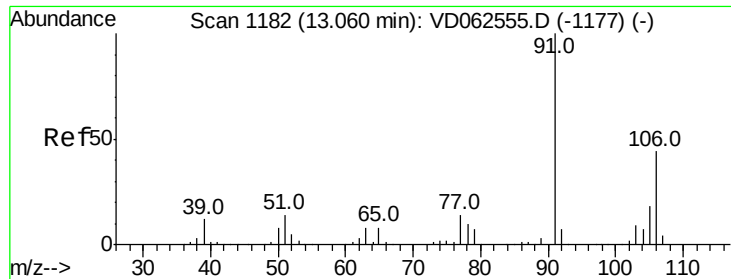
Tot Ion: 91 Resp: 173838
Ion Ratio Lower Upper
91 100
106 27.5 22.2 33.2



#68
m/p-Xylenes
Concen: 9.772 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VD062547.D
Acq: 30 May 2019 11:38

Tgt Ion: 106 Resp: 119127
Ion Ratio Lower Upper
106 100
91 244.9 178.9 268.3

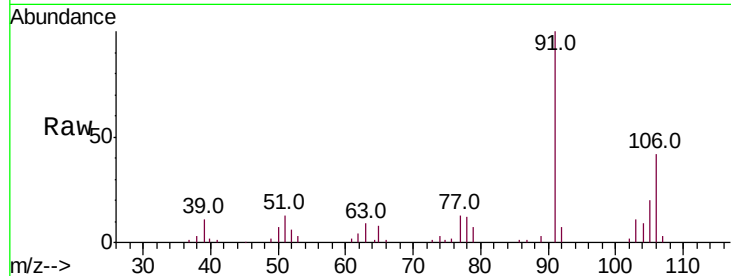




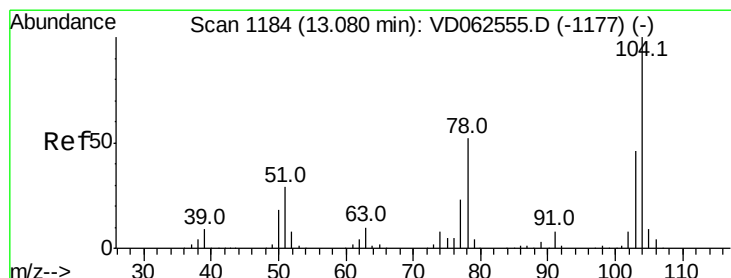
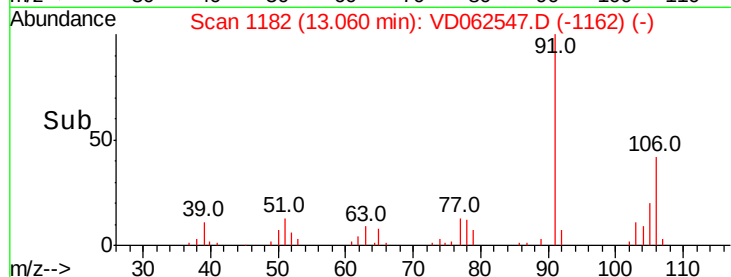
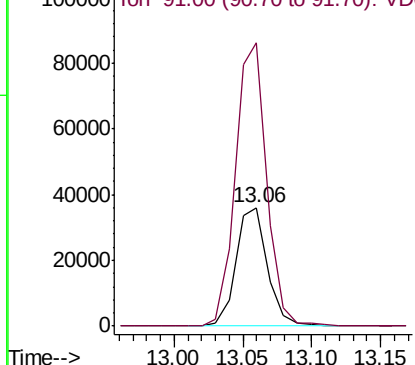
#69
o-Xylene
Concen: 4.850 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD062547.D
Acq: 30 May 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 57296
Ion Ratio Lower Upper
106 100
91 238.1 113.9 341.8

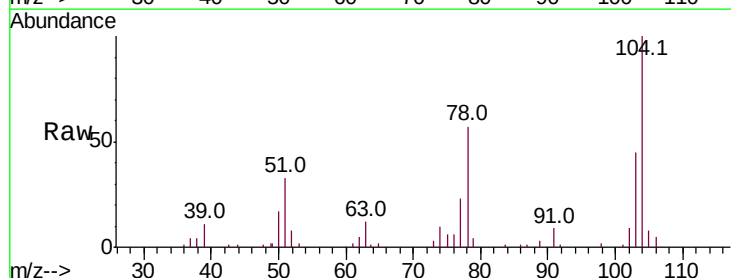


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

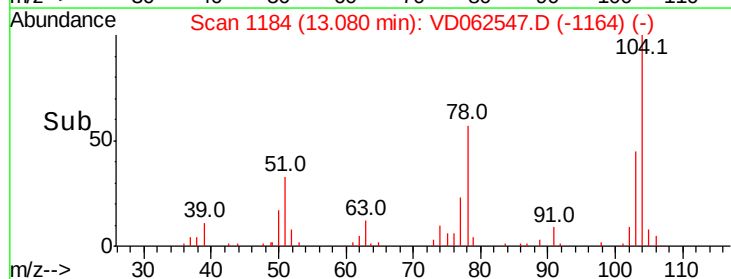
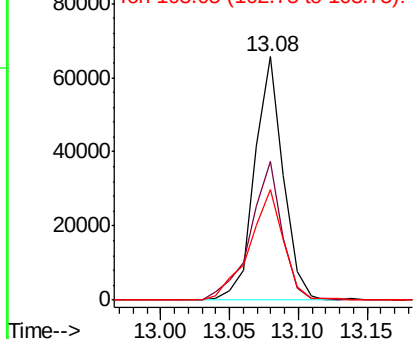


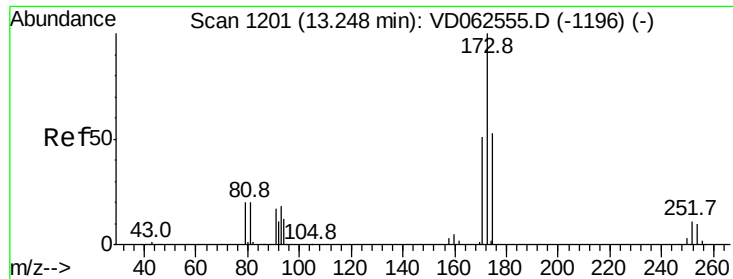
#70
Styrene
Concen: 4.756 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VD062547.D
Acq: 30 May 2019 11:38

Tgt Ion:104 Resp: 94966
Ion Ratio Lower Upper
104 100
78 56.9 41.5 62.3
103 45.4 36.6 55.0



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





#71

Bromoform

Concen: 4.641 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

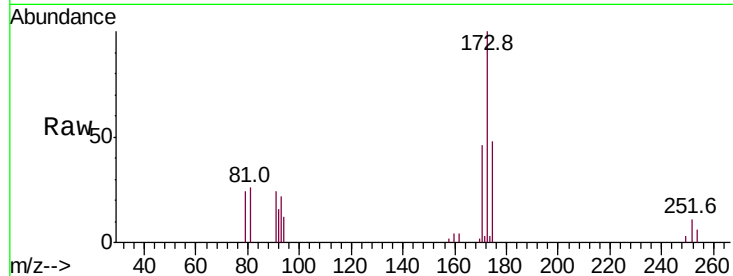
Tot Ion:173 Resp: 30079

Ion Ratio Lower Upper

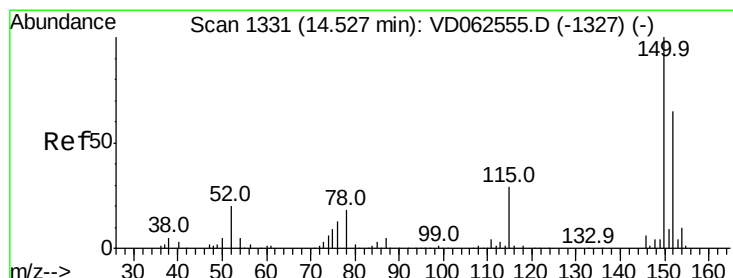
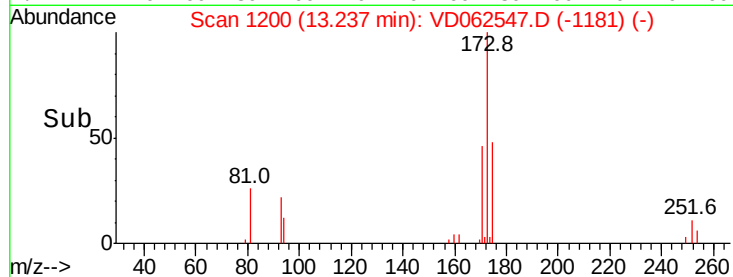
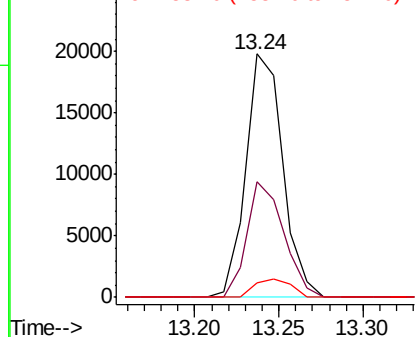
173 100

175 47.5 26.6 79.7

254 5.9 8.1 12.1#



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. -0.00 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

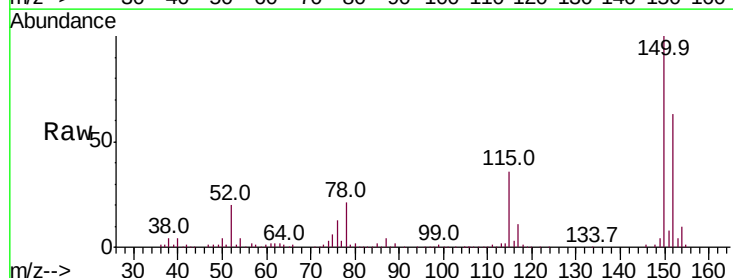
Tgt Ion:152 Resp: 544274

Ion Ratio Lower Upper

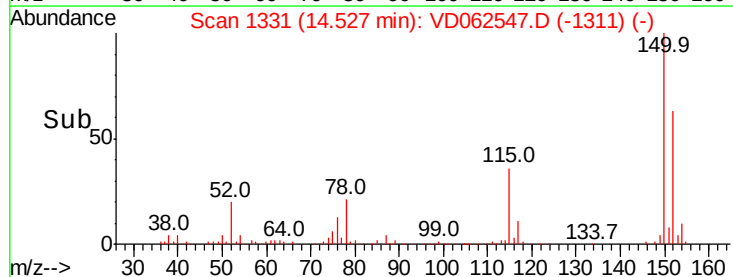
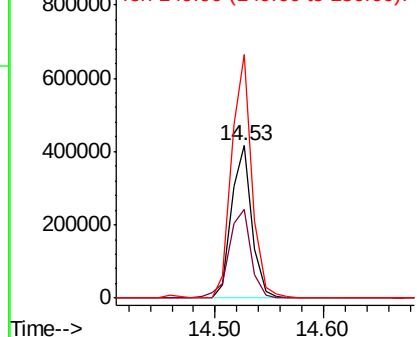
152 100

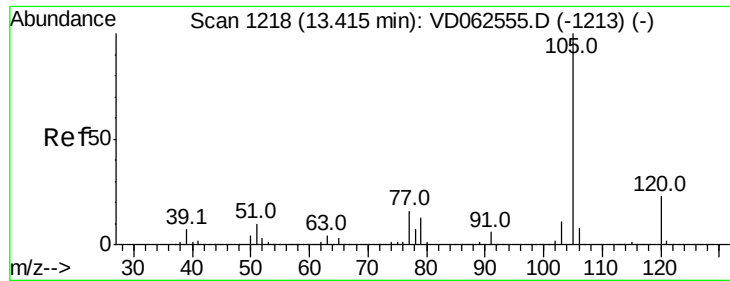
115 57.8 28.4 85.3

150 159.7 0.0 310.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.827 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

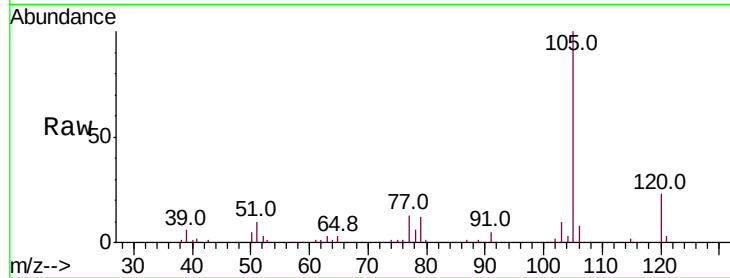
VSTDIC005

Tot Ion:105 Resp: 174691

Ion Ratio Lower Upper

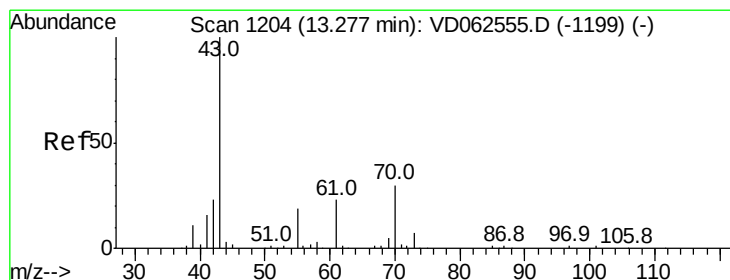
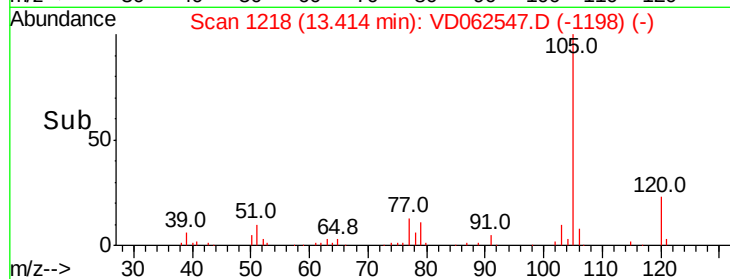
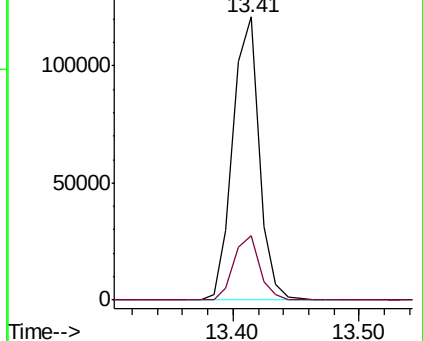
105 100

120 22.8 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 4.678 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

Tgt Ion: 43 Resp: 43496

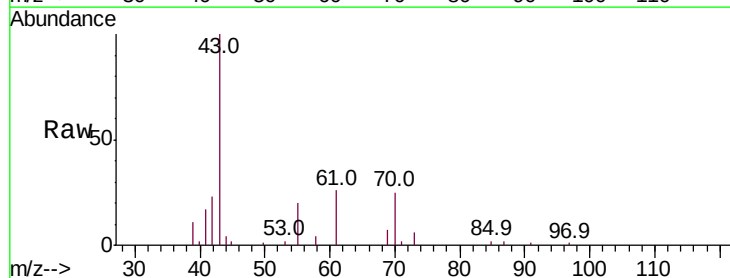
Ion Ratio Lower Upper

43 100

70 24.8 23.7 35.5

55 19.7 15.0 22.4

61 25.9 18.4 27.6

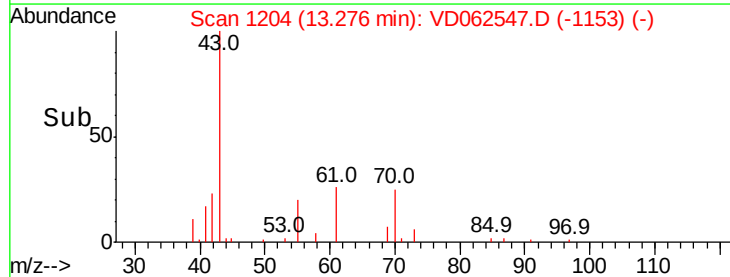
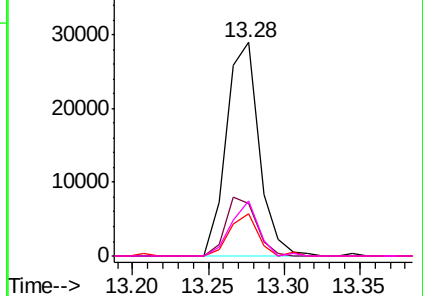


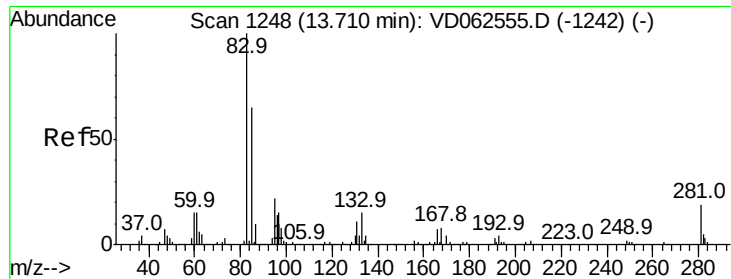
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 4.023 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

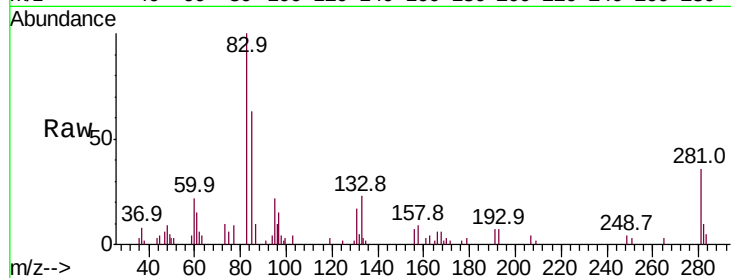
Tot Ion: 83 Resp: 23857

Ion Ratio Lower Upper

83 100

131 17.2 5.7 17.1#

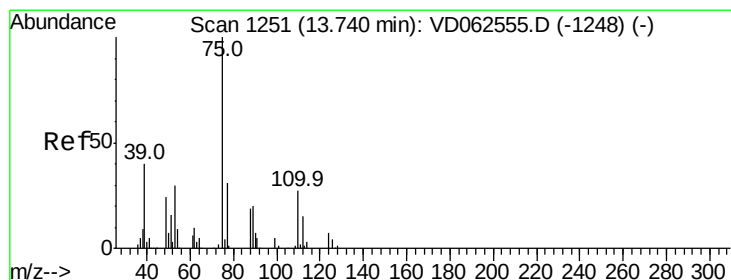
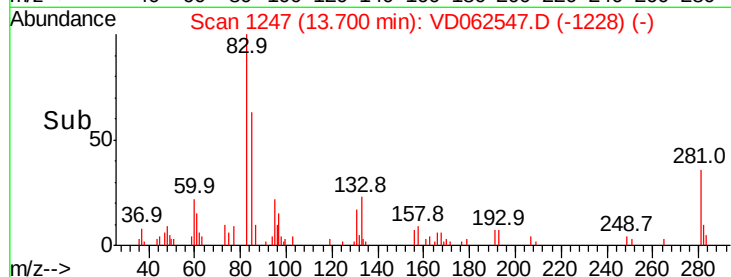
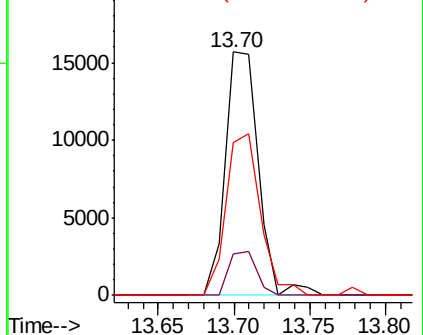
85 62.5 32.6 97.8



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: 4.119 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VD062547.D

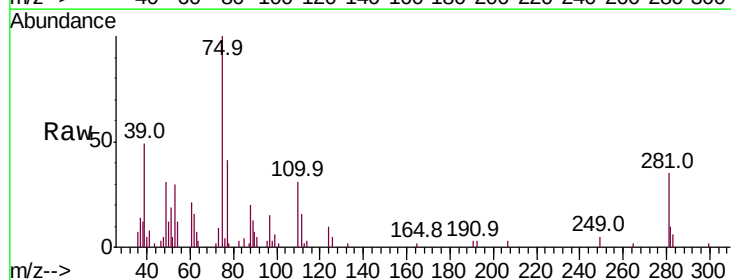
Acq: 30 May 2019 11:38

Tgt Ion: 75 Resp: 28306

Ion Ratio Lower Upper

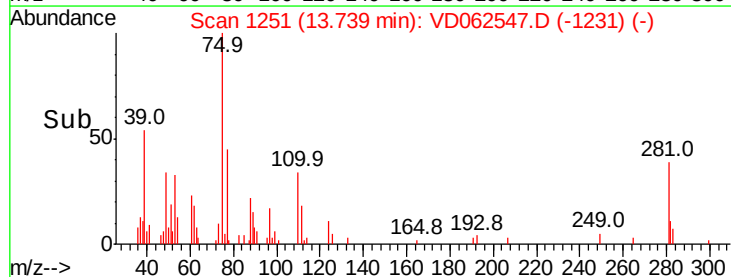
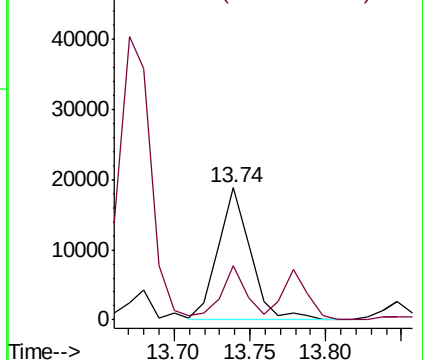
75 100

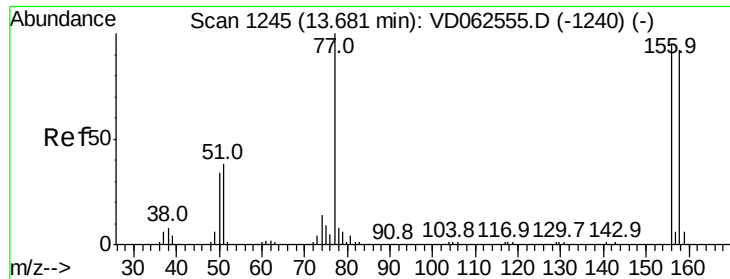
77 40.7 16.5 49.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 4.515 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. -0.00 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

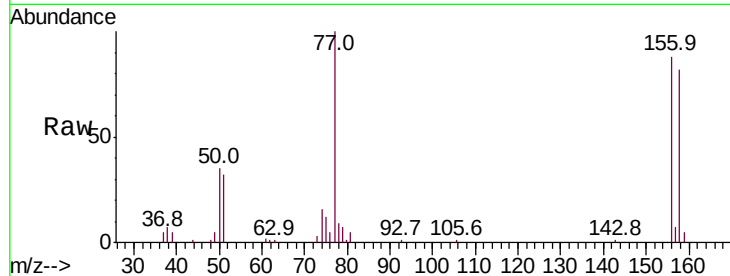
Tot Ion:156 Resp: 45734

Ion Ratio Lower Upper

156 100

77 114.0 52.9 158.7

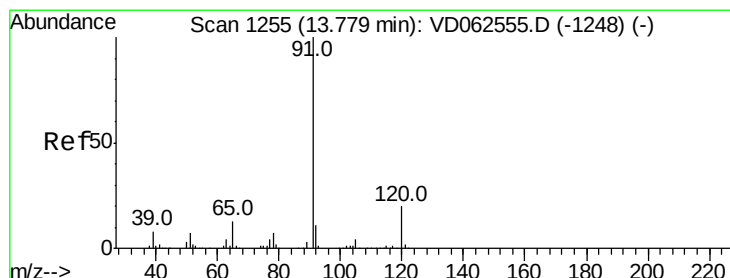
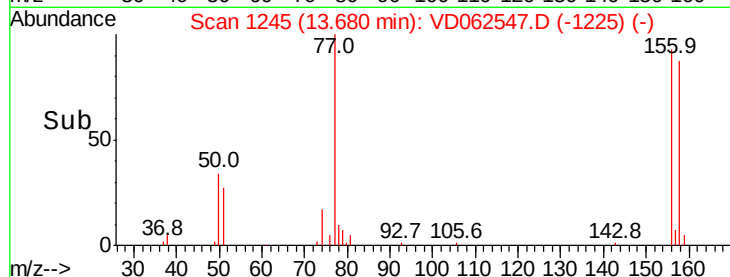
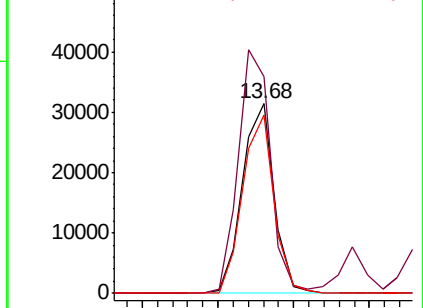
158 93.7 48.5 145.5



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: 4.969 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062547.D

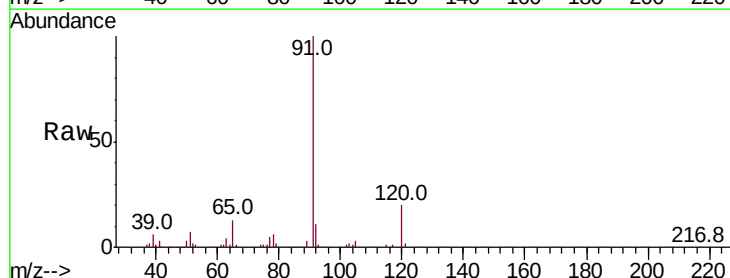
Acq: 30 May 2019 11:38

Tgt Ion: 91 Resp: 209542

Ion Ratio Lower Upper

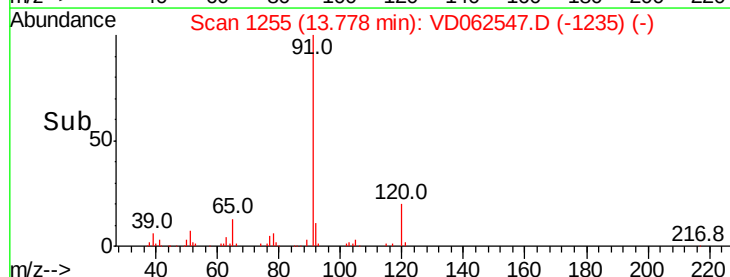
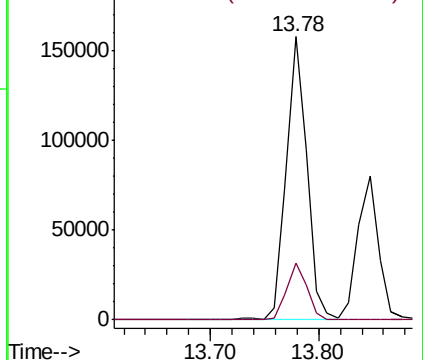
91 100

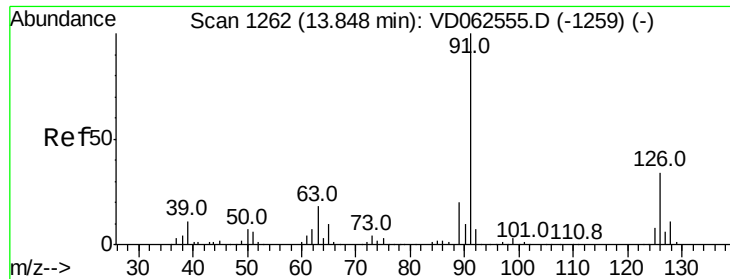
120 20.2 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

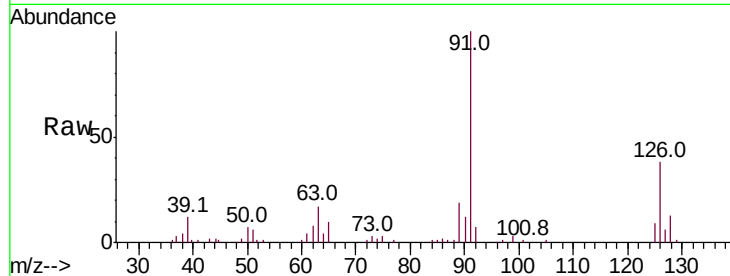




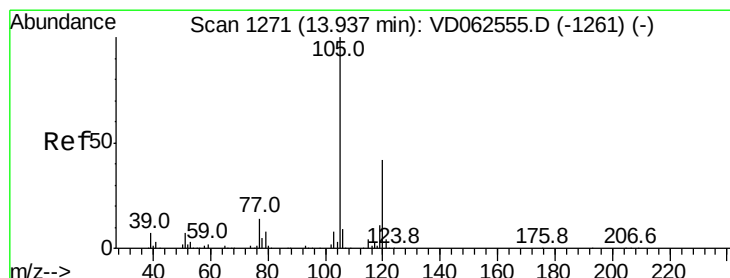
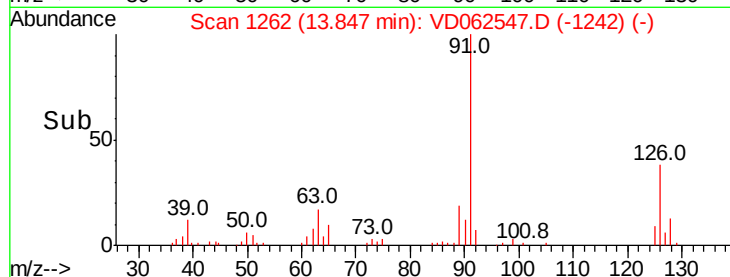
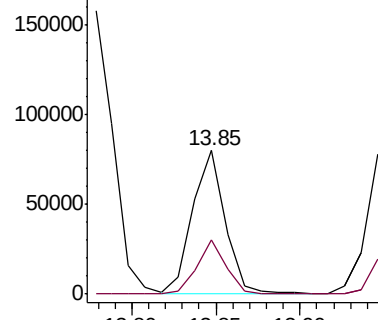
#79
 2-Chlorotoluene
 Concen: 4.376 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VD062547.D
 Acq: 30 May 2019 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 108028
 Ion Ratio Lower Upper
 91 100
 126 38.2 16.7 50.1

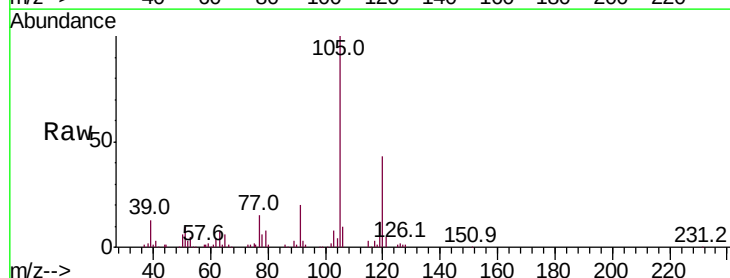


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

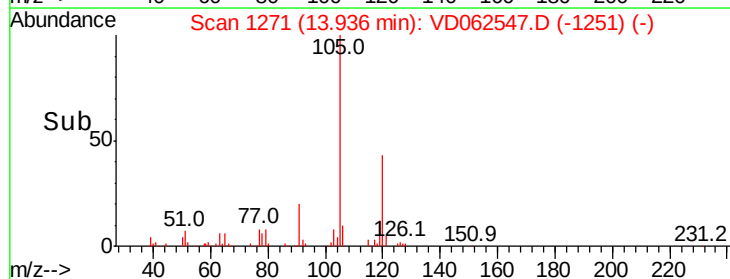
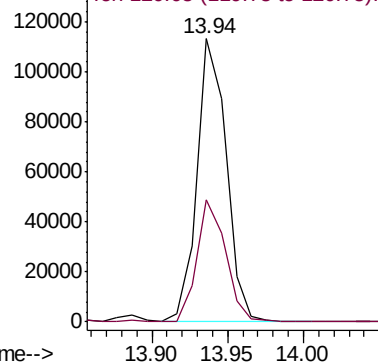


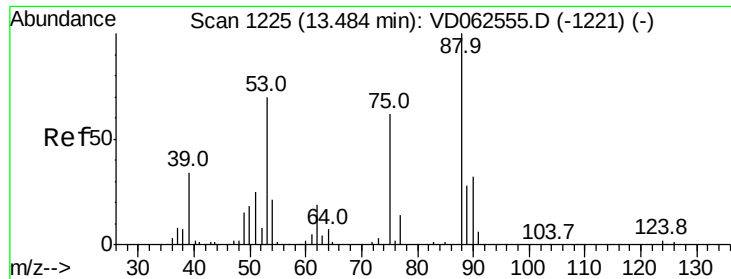
#80
 1,3,5-Trimethylbenzene
 Concen: 4.846 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD062547.D
 Acq: 30 May 2019 11:38

Tgt Ion: 105 Resp: 152104
 Ion Ratio Lower Upper
 105 100
 120 43.3 20.8 62.5



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

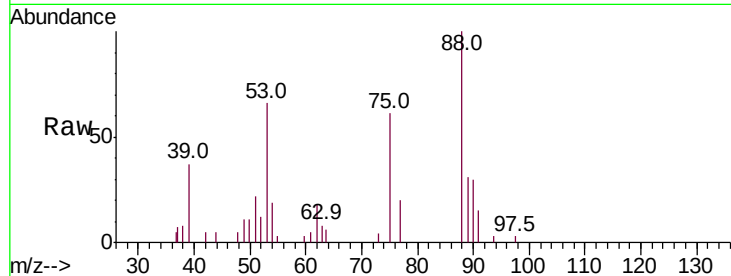




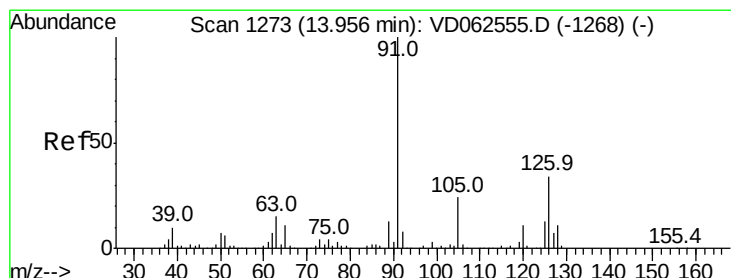
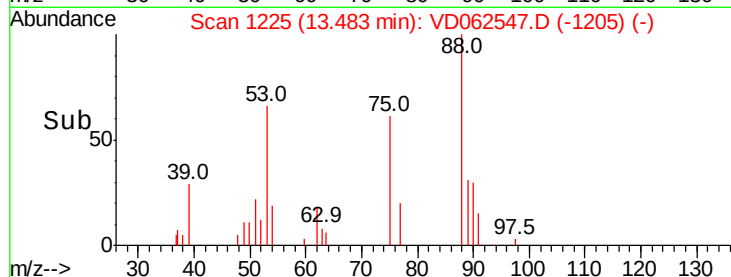
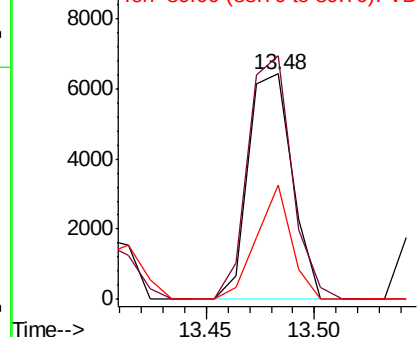
#81
trans-1,4-Dichloro-2-butene
Concen: 4.910 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VD062547.D
Acq: 30 May 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 9129
Ion Ratio Lower Upper
75 100
53 108.1 91.0 136.4
89 50.7 36.9 55.3

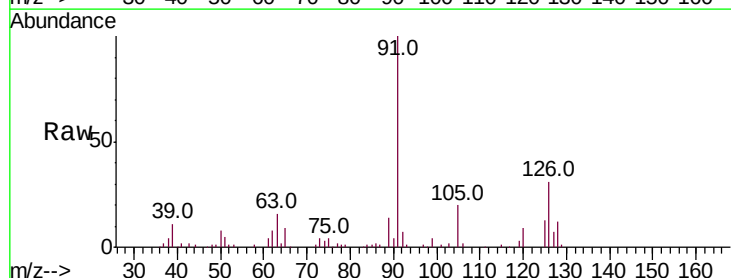


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

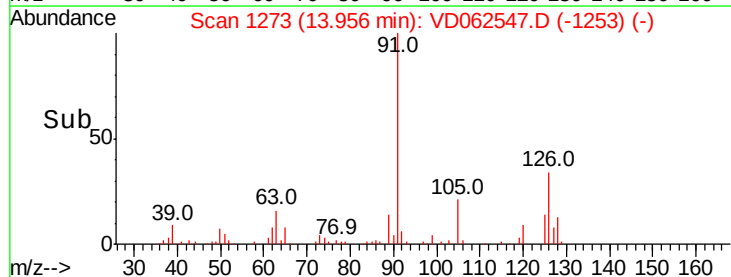
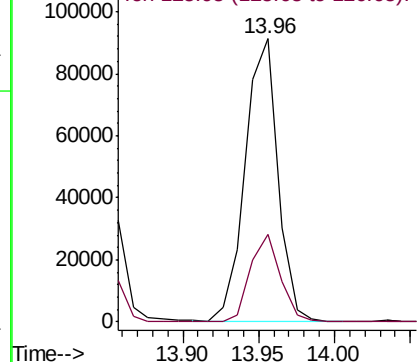


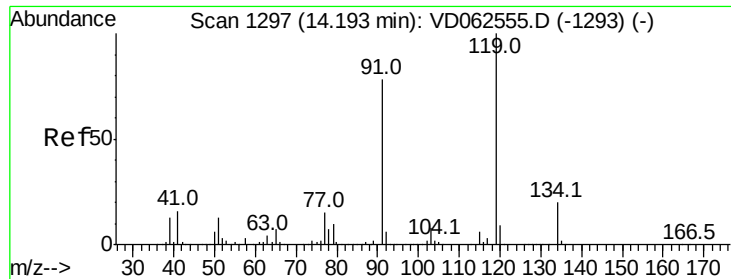
#82
4-Chlorotoluene
Concen: 4.644 ug/l
RT: 13.96 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VD062547.D
Acq: 30 May 2019 11:38

Tgt Ion: 91 Resp: 137890
Ion Ratio Lower Upper
91 100
126 31.0 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

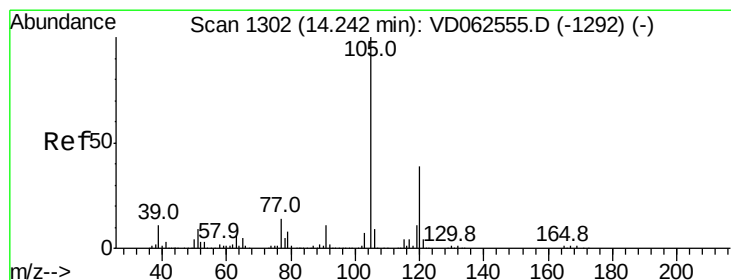
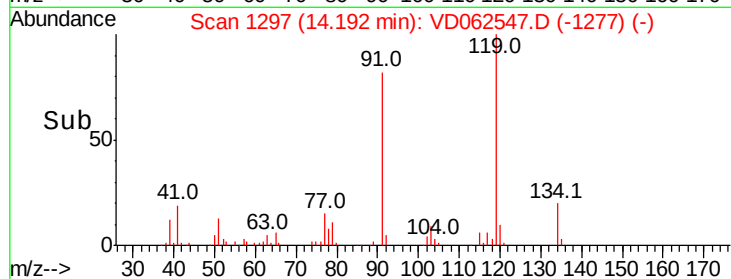
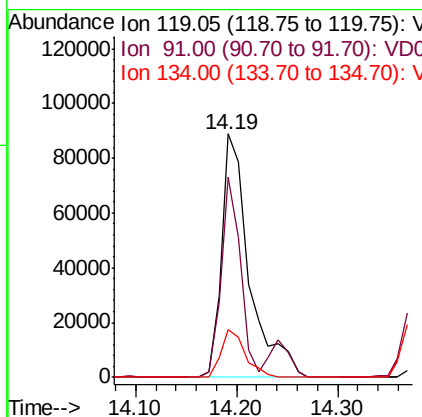
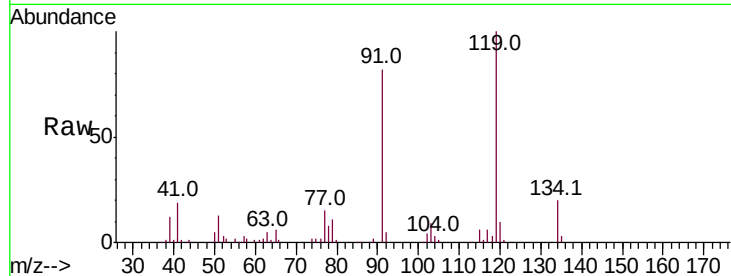




#83
 tert-Butylbenzene
 Concen: 4.943 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD062547.D
 Acq: 30 May 2019 11:38

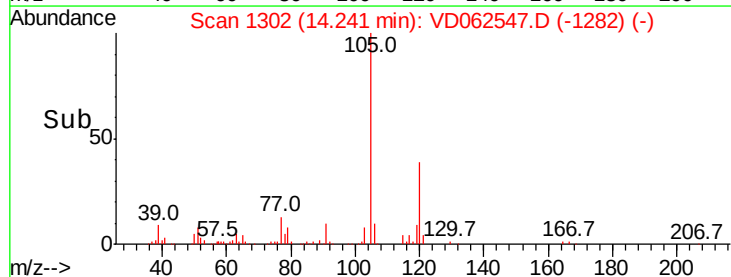
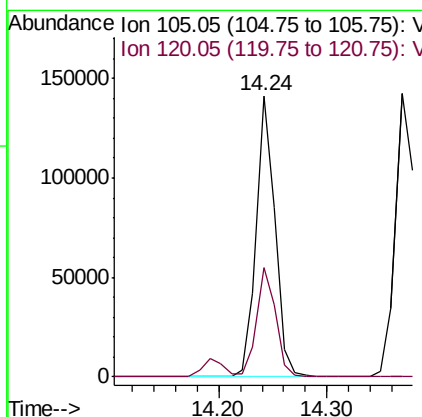
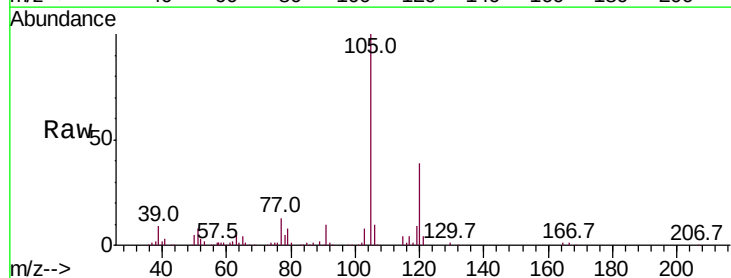
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

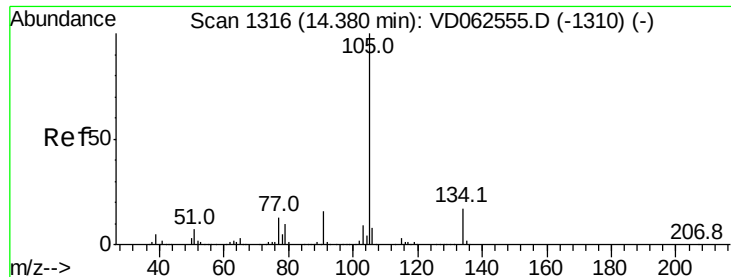
Tot Ion:119 Resp: 170682
 Ion Ratio Lower Upper
 119 100
 91 82.1 39.1 117.5
 134 19.6 10.1 30.3



#84
 1,2,4-Trimethylbenzene
 Concen: 5.455 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD062547.D
 Acq: 30 May 2019 11:38

Tgt Ion:105 Resp: 171189
 Ion Ratio Lower Upper
 105 100
 120 38.7 19.6 58.8





#85

sec-Butylbenzene

Concen: 5.040 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

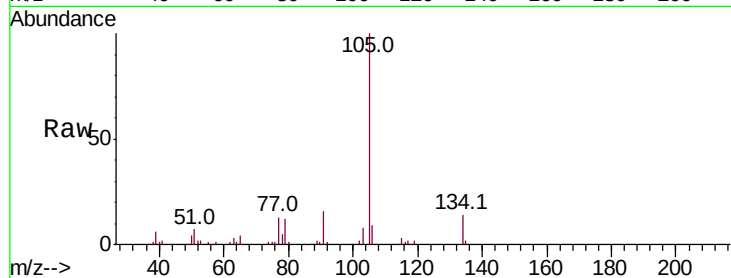
VSTDIC005

Tot Ion:105 Resp: 185605

Ion Ratio Lower Upper

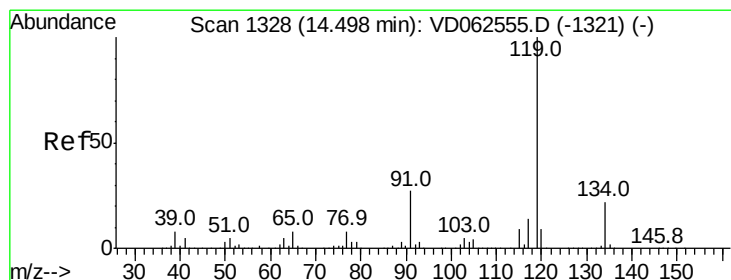
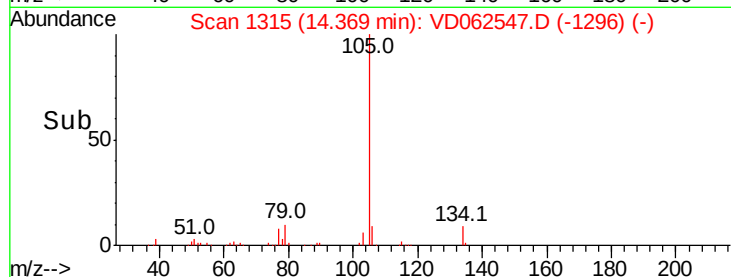
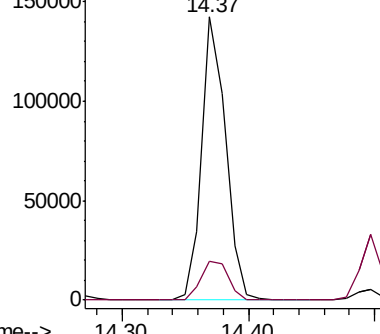
105 100

134 13.7 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 4.818 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. -0.00 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

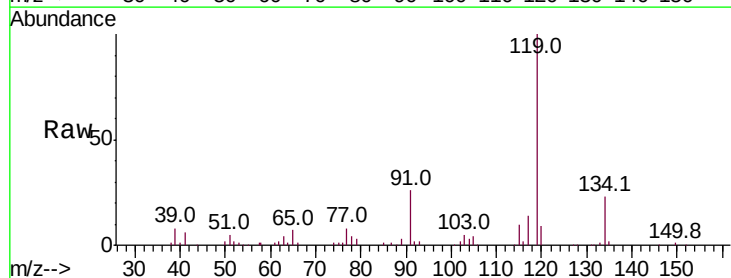
Tgt Ion:119 Resp: 166895

Ion Ratio Lower Upper

119 100

134 23.2 11.2 33.6

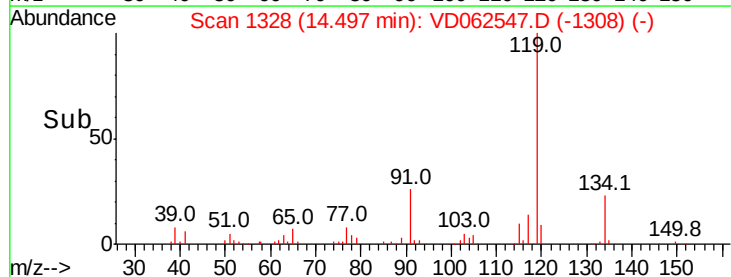
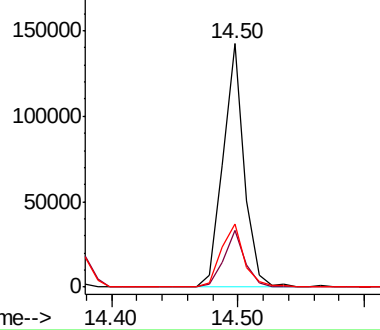
91 26.1 13.6 40.7

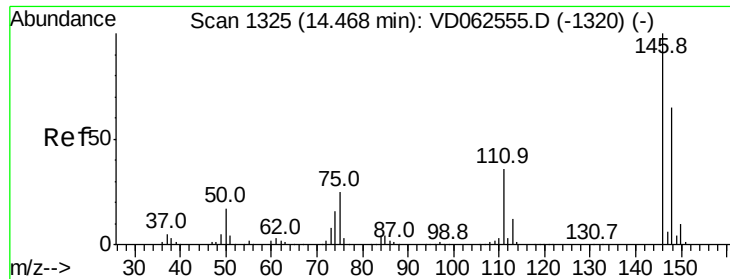


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

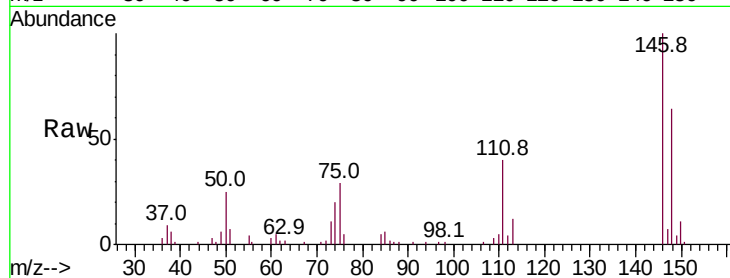




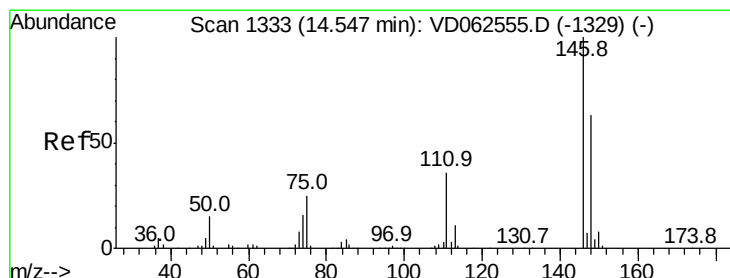
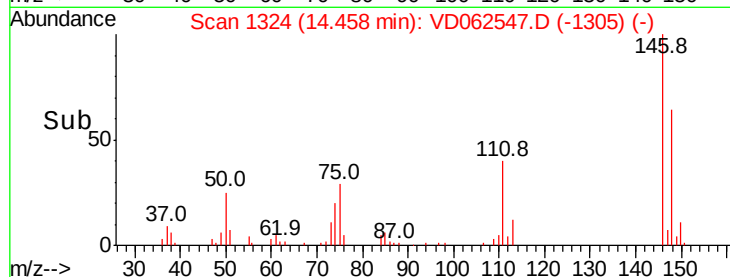
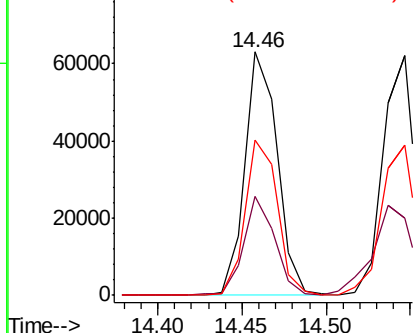
#87
 1,3-Dichlorobenzene
 Concen: 4.763 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD062547.D
 Acq: 30 May 2019 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:146 Resp: 84227
 Ion Ratio Lower Upper
 146 100
 111 40.4 18.1 54.4
 148 64.0 32.3 96.9

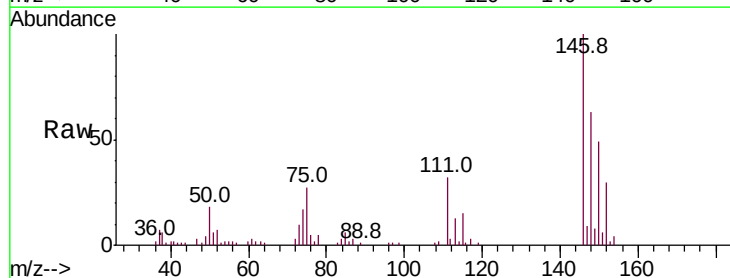


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

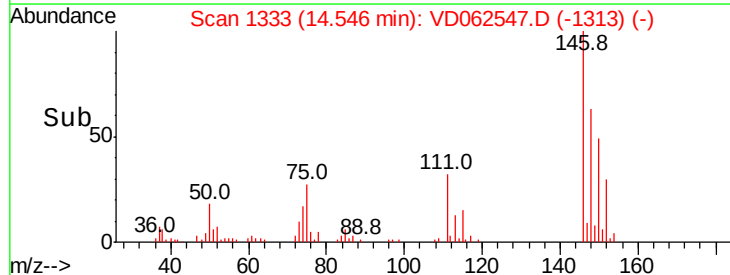
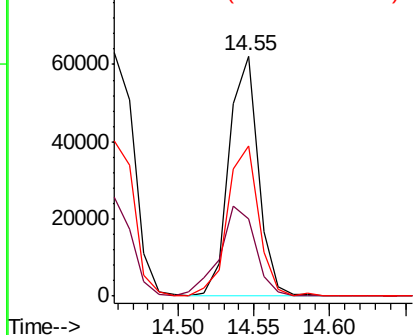


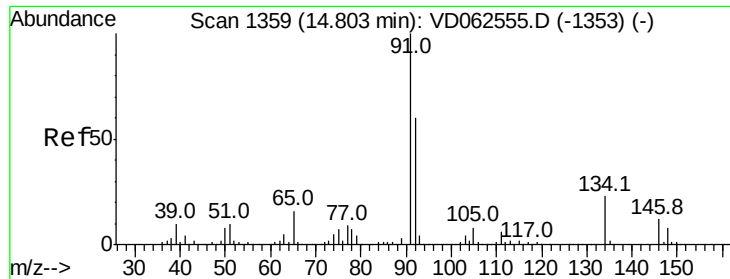
#88
 1,4-Dichlorobenzene
 Concen: 4.799 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. -0.00 min
 Lab File: VD062547.D
 Acq: 30 May 2019 11:38

Tgt Ion:146 Resp: 83220
 Ion Ratio Lower Upper
 146 100
 111 32.0 18.2 54.6
 148 62.6 31.6 94.8



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





#89

n-Butylbenzene

Concen: 4.518 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VD062547.D

Acq: 30 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

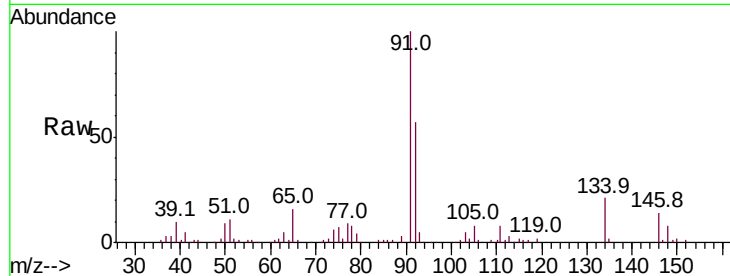
Tot Ion: 91 Resp: 142405

Ion Ratio Lower Upper

91 100

92 57.3 29.8 89.4

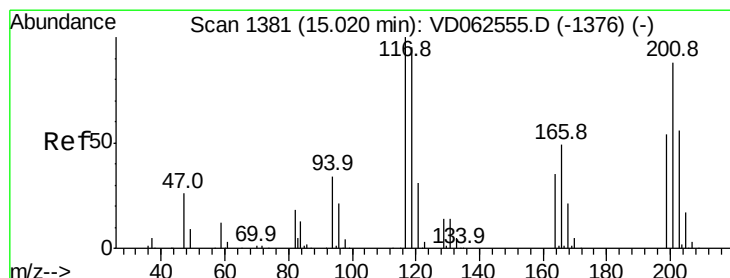
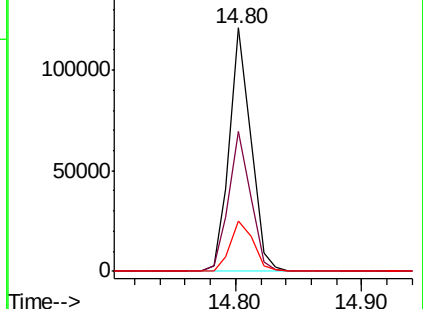
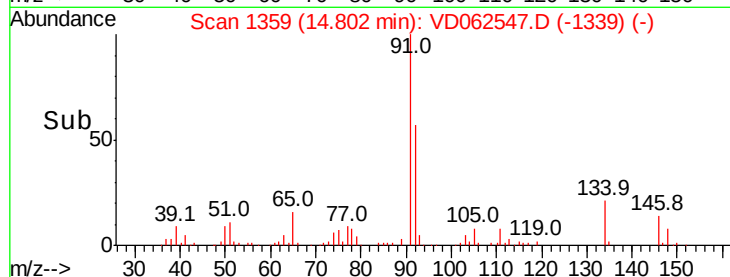
134 20.8 11.3 33.8



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: 4.554 ug/l

RT: 15.02 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VD062547.D

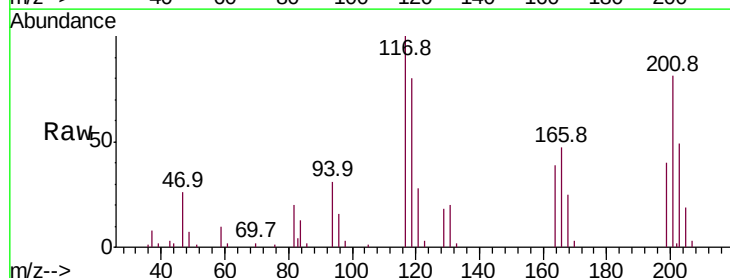
Acq: 30 May 2019 11:38

Tgt Ion: 117 Resp: 42152

Ion Ratio Lower Upper

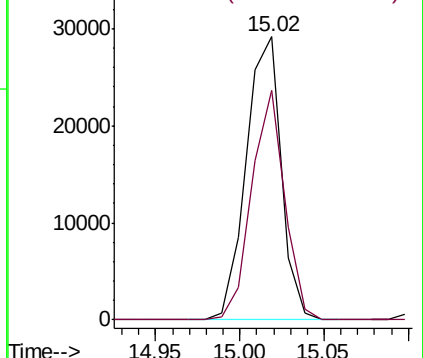
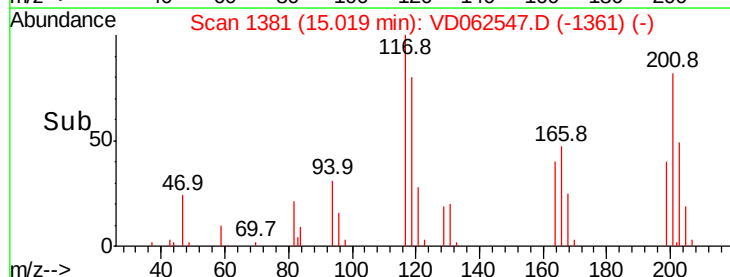
117 100

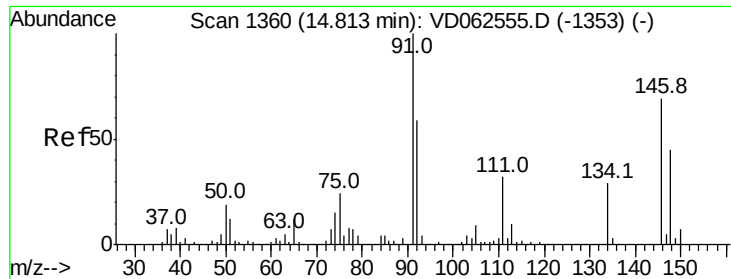
201 81.0 43.8 131.4



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

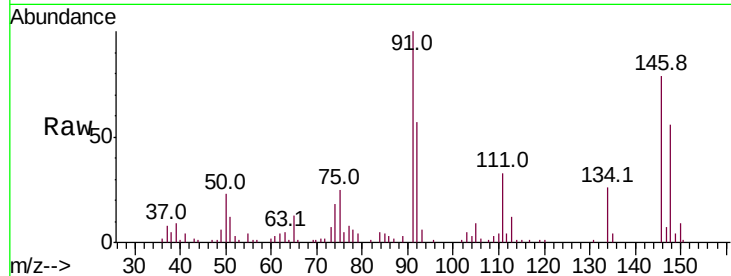




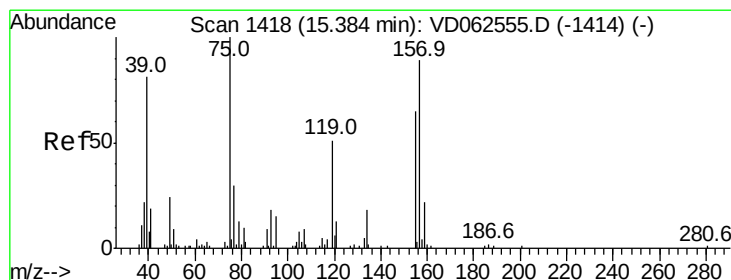
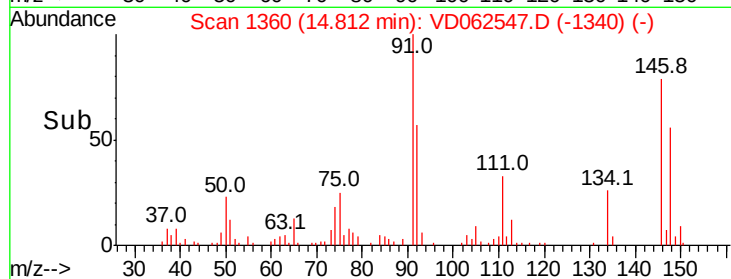
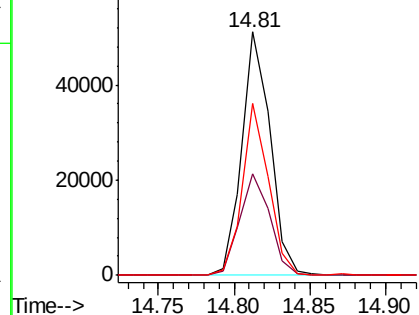
#91
 1,2-Dichlorobenzene
 Concen: 4.413 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062547.D
 Acq: 30 May 2019 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:146 Resp: 66473
 Ion Ratio Lower Upper
 146 100
 111 41.8 22.8 68.4
 148 70.4 32.3 96.9

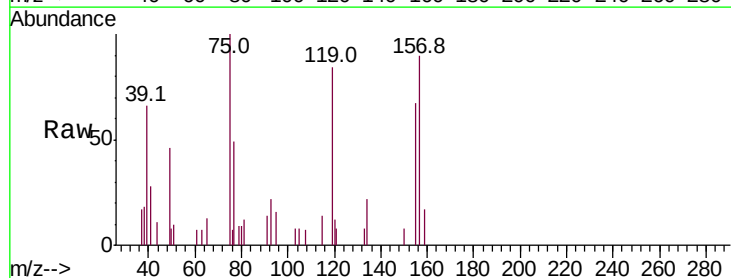


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

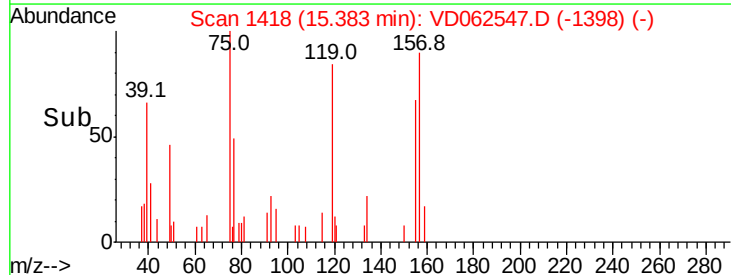
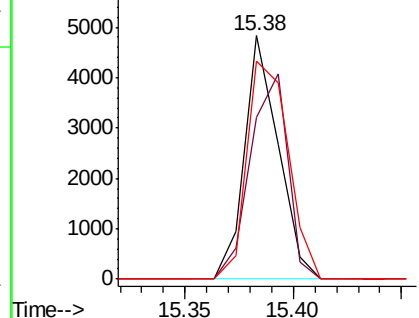


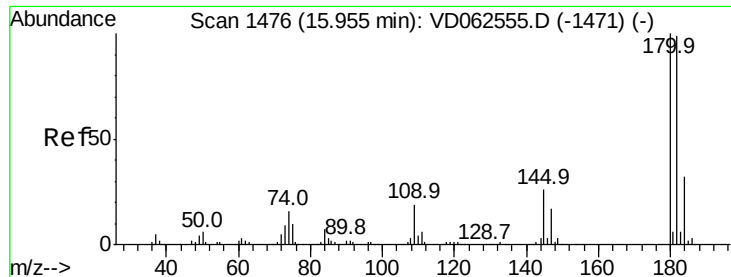
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.371 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD062547.D
 Acq: 30 May 2019 11:38

Tgt Ion: 75 Resp: 5260
 Ion Ratio Lower Upper
 75 100
 155 66.6 32.6 97.8
 157 89.7 44.5 133.7



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

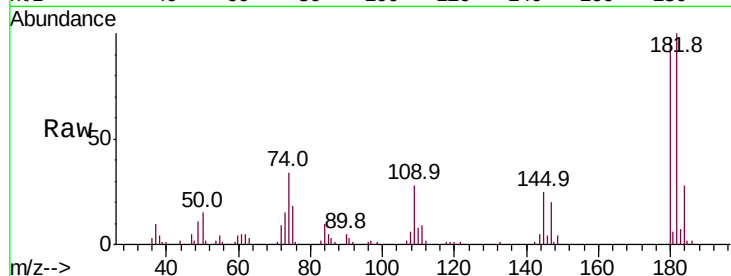




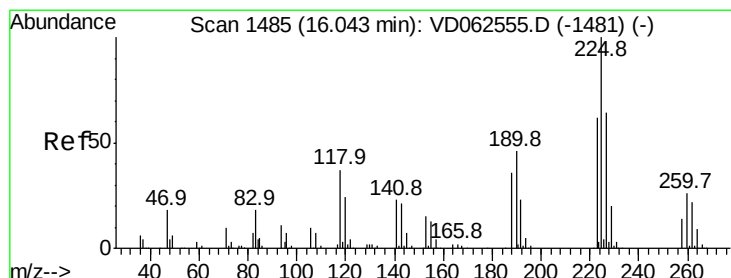
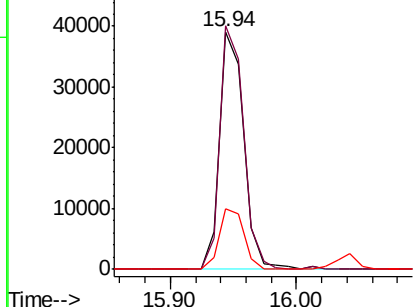
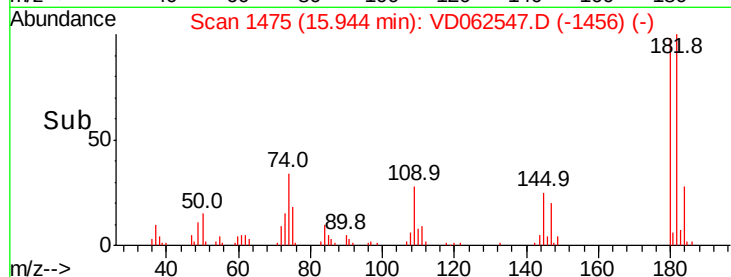
#93
 1,2,4-Trichlorobenzene
 Concen: 4.489 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD062547.D
 Acq: 30 May 2019 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 52226
 Ion Ratio Lower Upper
 180 100
 182 102.4 49.5 148.3
 145 25.4 13.1 39.3

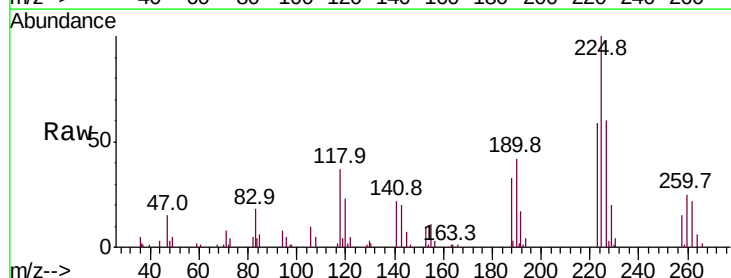


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

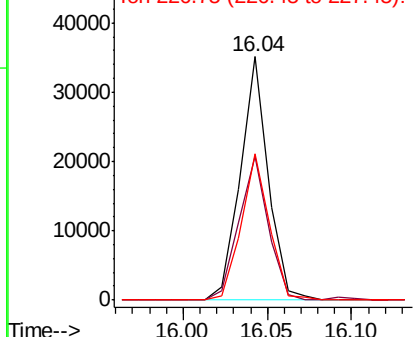
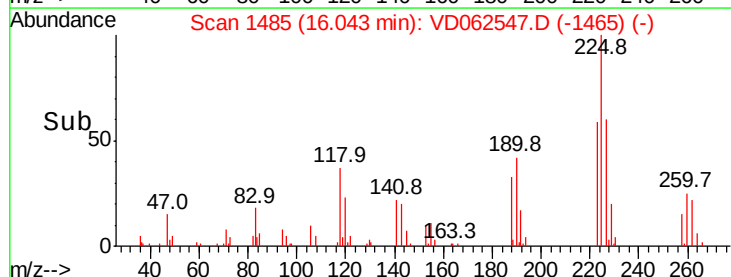


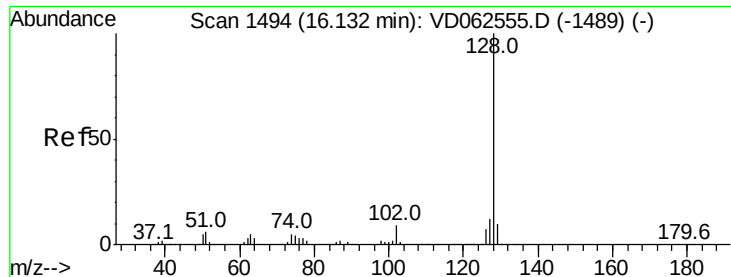
#94
 Hexachlorobutadiene
 Concen: 4.729 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD062547.D
 Acq: 30 May 2019 11:38

Tgt Ion:225 Resp: 40357
 Ion Ratio Lower Upper
 225 100
 223 59.2 31.1 93.5
 227 60.0 32.1 96.5



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

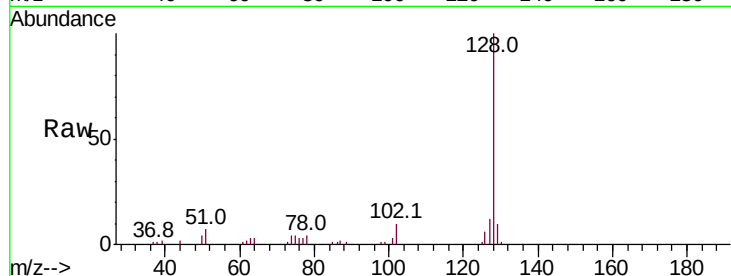




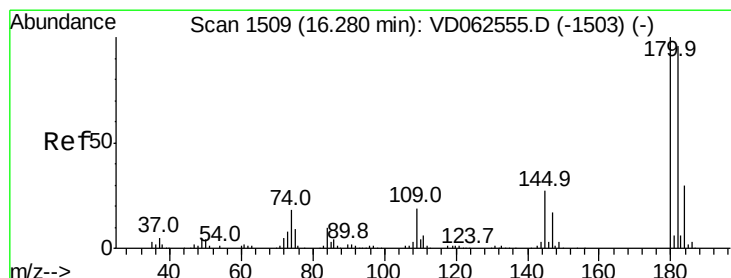
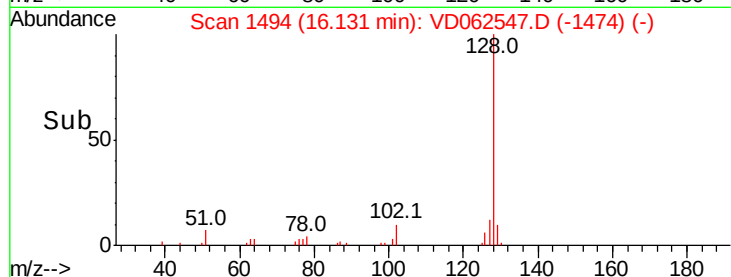
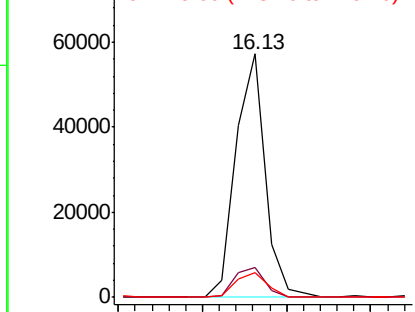
#95
Naphthalene
Concen: 4.218 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VD062547.D
Acq: 30 May 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 69267
Ion Ratio Lower Upper
128 100
127 12.3 9.7 14.5
129 10.0 8.2 12.2

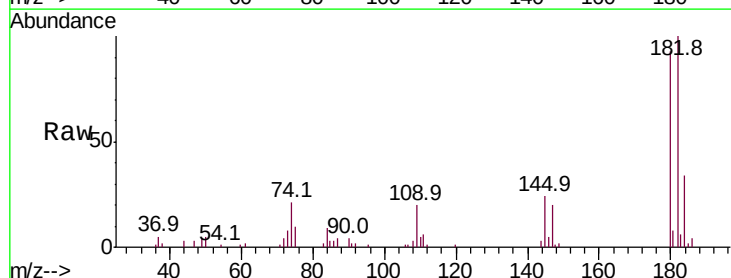


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 4.342 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. -0.00 min
Lab File: VD062547.D
Acq: 30 May 2019 11:38

Tgt Ion:180 Resp: 38089
Ion Ratio Lower Upper
180 100
182 107.6 48.1 144.3
145 26.0 13.3 39.9



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

