

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052419\
 Data File : VD062528.D
 Acq On : 24 May 2019 13:33
 Operator : VA/AP
 Sample : VD0524SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBS01

Quant Time: May 24 22:08:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	316075	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.22	114	406944	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	350889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	211206	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	236701	69.96	ug/l	-0.02
Spiked Amount			Recovery	=	139.92%	
35) Dibromofluoromethane	6.92	113	224798	61.23	ug/l	-0.03
Spiked Amount			Recovery	=	122.46%	
50) Toluene-d8	10.41	98	475696	59.21	ug/l	-0.02
Spiked Amount			Recovery	=	118.42%	
62) 4-Bromofluorobenzene	13.55	95	222866	63.42	ug/l	-0.02
Spiked Amount			Recovery	=	126.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	86162	26.752	ug/l	97
3) Chloromethane	1.74	50	52517	23.985	ug/l	97
4) Vinyl Chloride	1.84	62	59912	26.002	ug/l	98
5) Bromomethane	2.14	94	29093	29.261	ug/l	96
6) Chloroethane	2.24	64	31742	28.478	ug/l	92
7) Trichlorofluoromethane	2.52	101	159759	30.009	ug/l	99
8) Diethyl Ether	2.86	74	24085	33.537	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.14	101	85402	26.964	ug/l	94
10) Methyl Iodide	3.30	142	98588	22.324	ug/l #	77
11) Tert butyl alcohol	4.07	59	17145	109.783	ug/l	96
12) 1,1-Dichloroethene	3.12	96	67632	28.893	ug/l	88
13) Acrolein	3.03	56	18169	140.093	ug/l #	76
14) Allyl chloride	3.61	41	75113	21.763	ug/l #	65
15) Acrylonitrile	4.19	53	40515	113.215	ug/l #	76
16) Acetone	3.22	43	73786	121.700	ug/l #	85
17) Carbon Disulfide	3.37	76	154861	21.845	ug/l	98
18) Methyl Acetate	3.64	43	24570	23.485	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	142105	26.284	ug/l	92
20) Methylene Chloride	3.81	84	61742	20.131	ug/l #	85
21) trans-1,2-Dichloroethene	4.21	96	60829	22.198	ug/l	91
22) Diisopropyl ether	5.12	45	162479	22.117	ug/l #	88
23) Vinyl Acetate	5.05	43	523842	118.007	ug/l	96
24) 1,1-Dichloroethane	4.98	63	109064	23.051	ug/l	97
25) 2-Butanone	6.06	43	69566	109.704	ug/l	92
26) 2,2-Dichloropropane	6.01	77	130678	25.622	ug/l	84
27) cis-1,2-Dichloroethene	6.03	96	65882	22.296	ug/l	90
28) Bromochloromethane	6.44	49	35719	21.035	ug/l	89
29) Tetrahydrofuran	6.46	42	30767	101.591	ug/l	96
30) Chloroform	6.66	83	139418	23.113	ug/l	99
31) Cyclohexane	6.95	56	65288	20.437	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	141444	23.226	ug/l	99
36) 1,1-Dichloropropene	7.13	75	91817	23.599	ug/l	92
37) Ethyl Acetate	6.18	43	44245	29.273	ug/l #	93
38) Carbon Tetrachloride	7.10	117	151526	26.205	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	70922	22.101	ug/l	97
40) Benzene	7.45	78	168552	22.086	ug/l	93
41) Methacrylonitrile	6.44	41	45382	23.907	ug/l #	86
42) 1,2-Dichloroethane	7.58	62	110223	27.275	ug/l	87
43) Isopropyl Acetate	9.24	43	46803	23.342	ug/l	94
44) Trichloroethene	8.54	130	69277	22.672	ug/l	98
45) 1,2-Dichloropropane	8.93	63	40584	21.822	ug/l	96
46) Dibromomethane	9.06	93	39406	23.375	ug/l	89
47) Bromodichloromethane	9.37	83	113204	26.396	ug/l	99
48) Methyl methacrylate	9.12	41	33336	24.705	ug/l #	75
49) 1,4-Dioxane	9.08	88	5569	460.130	ug/l #	77
51) 4-Methyl-2-Pentanone	10.30	43	158641	119.764	ug/l	94
52) Toluene	10.51	92	122269	23.403	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	91930	25.747	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	88654	23.796	ug/l #	78
55) 1,1,2-Trichloroethane	11.19	97	44067	24.887	ug/l	97
56) Ethyl methacrylate	11.04	69	47861	25.285	ug/l #	77
57) 1,3-Dichloropropane	11.41	76	62819	23.133	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	121548	125.051	ug/l	93
59) 2-Hexanone	11.53	43	123253	128.028	ug/l	85
60) Dibromochloromethane	11.68	129	89565	26.335	ug/l	100
61) 1,2-Dibromoethane	11.81	107	54368	24.915	ug/l	96
64) Tetrachloroethene	11.26	164	69520	23.662	ug/l	97
65) Chlorobenzene	12.40	112	154711	22.928	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	80170	25.739	ug/l	92
67) Ethyl Benzene	12.52	91	281093	24.185	ug/l	93
68) m/p-Xylenes	12.66	106	181356	43.469	ug/l	80
69) o-Xylene	13.05	106	87526	22.235	ug/l	80
70) Styrene	13.07	104	151617	22.641	ug/l #	89
71) Bromoform	13.24	173	54159	26.182	ug/l	98
73) Isopropylbenzene	13.40	105	286782	21.541	ug/l	94
74) N-amyl acetate	13.26	43	68169	20.732	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	46774	19.475	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	57050	22.932	ug/l	96
77) Bromobenzene	13.67	156	78335	20.742	ug/l	90
78) n-propylbenzene	13.78	91	334406	21.685	ug/l	99
79) 2-Chlorotoluene	13.84	91	200150	21.387	ug/l	88
80) 1,3,5-Trimethylbenzene	13.93	105	248446	21.553	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.47	75	14574	20.772	ug/l #	57
82) 4-Chlorotoluene	13.94	91	241983	22.452	ug/l	84
83) tert-Butylbenzene	14.19	119	276763	21.645	ug/l	92
84) 1,2,4-Trimethylbenzene	14.24	105	260297	22.037	ug/l	92
85) sec-Butylbenzene	14.37	105	276269	20.721	ug/l	97
86) p-Isopropyltoluene	14.49	119	269603	22.314	ug/l	88
87) 1,3-Dichlorobenzene	14.46	146	144361	21.646	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	136635	21.231	ug/l	96
89) n-Butylbenzene	14.80	91	245861	21.085	ug/l	94
90) Hexachloroethane	15.01	117	75706	22.672	ug/l	85
91) 1,2-Dichlorobenzene	14.81	146	130241	22.966	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	10957	24.034	ug/l	73

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Quant Title : SW846 8260
QLast Update : Tue May 21 03:32:39 2019
Response via : Initial Calibration

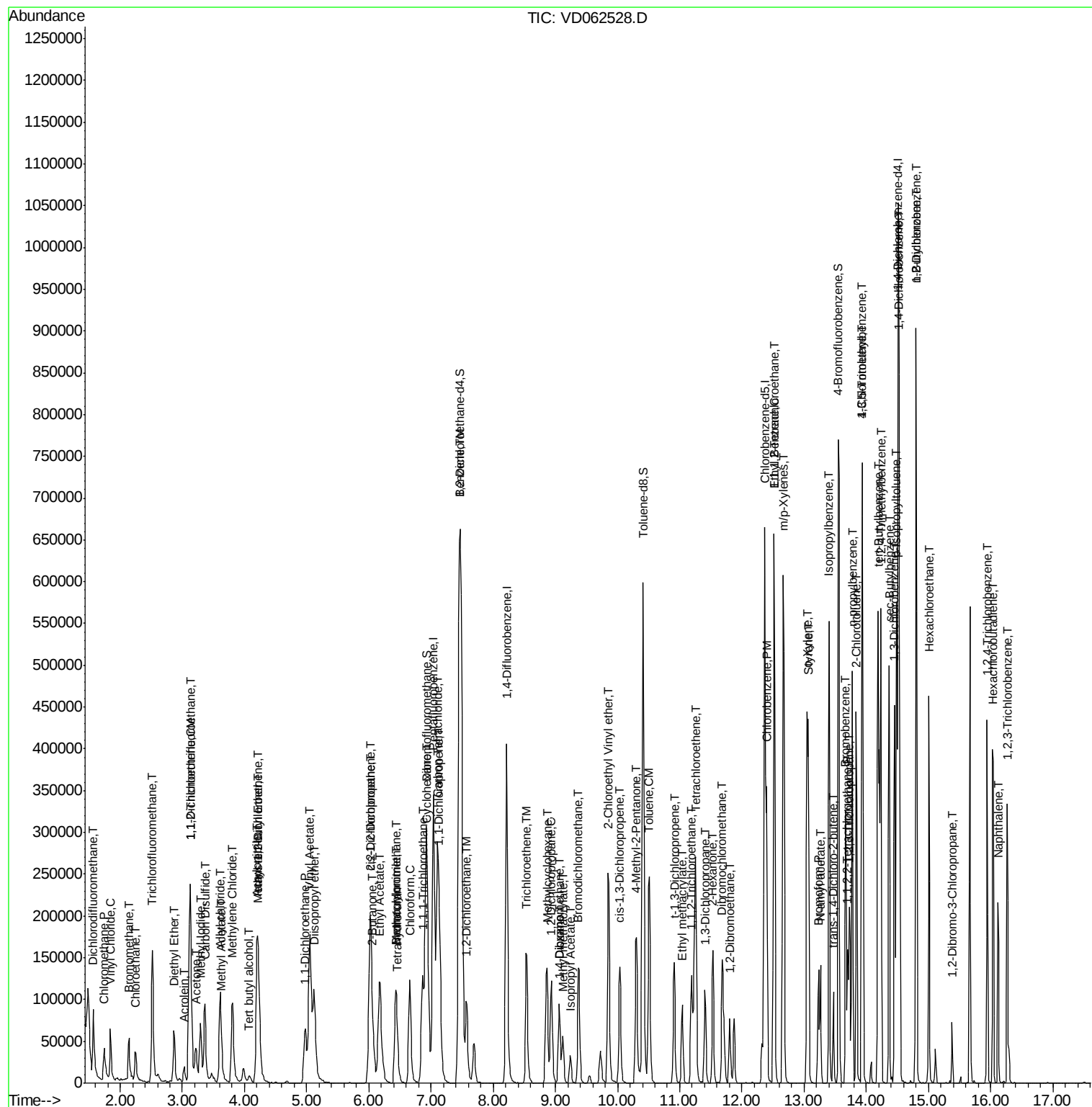
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	96708	21.657	ug/l	96
94) Hexachlorobutadiene	16.04	225	68163	20.673	ug/l	95
95) Naphthalene	16.12	128	130979	21.467	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	76647	20.938	ug/l	96

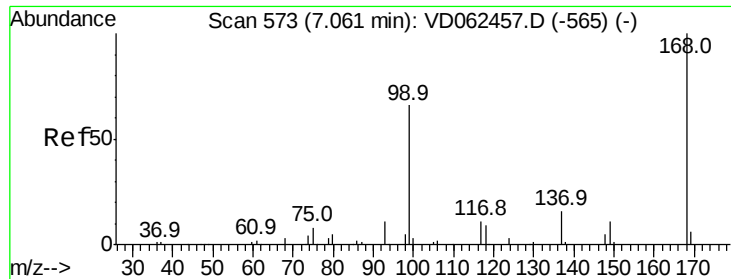
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 21 03:32:39 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

Instrument :

MSVOA_D

ClientSampleId :

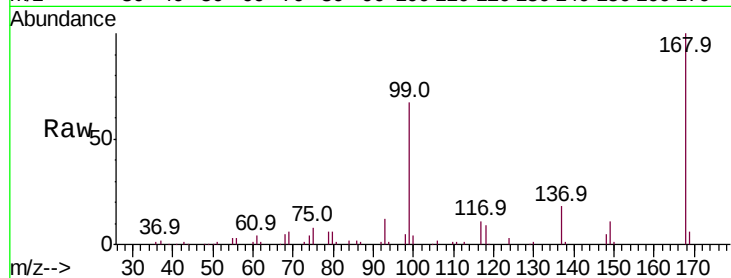
VD0524SBS01

Tot Ion:168 Resp: 316075

Ion Ratio Lower Upper

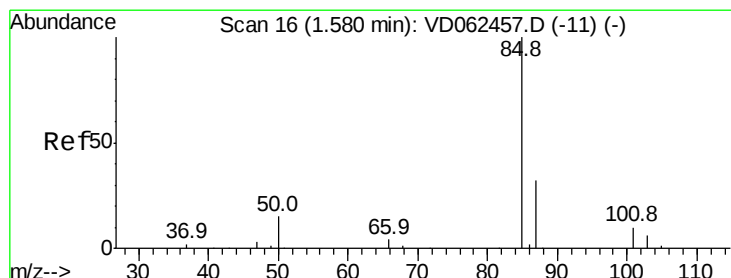
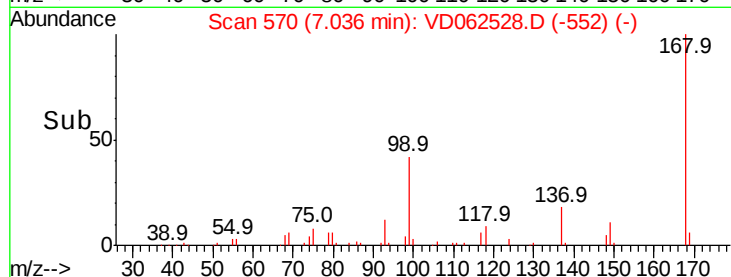
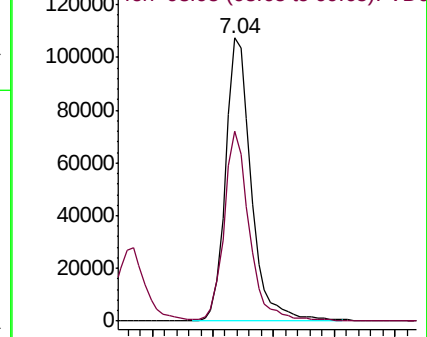
168 100

99 67.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 26.752 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062528.D

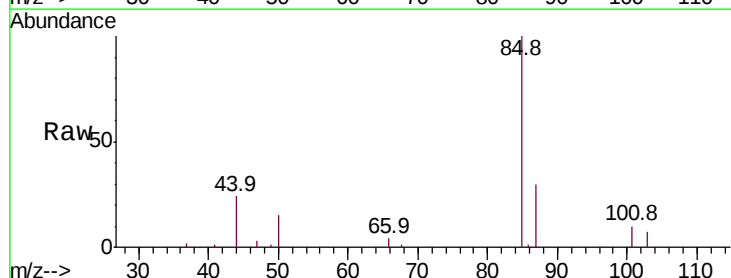
Acq: 24 May 2019 13:33

Tgt Ion: 85 Resp: 86162

Ion Ratio Lower Upper

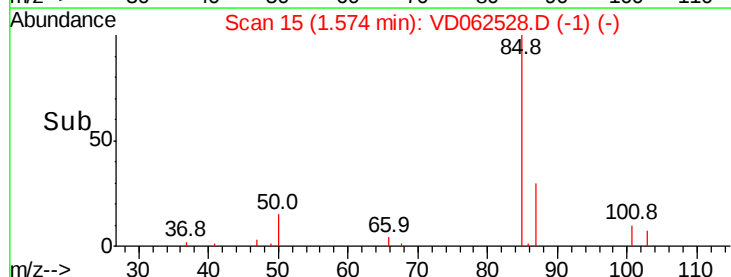
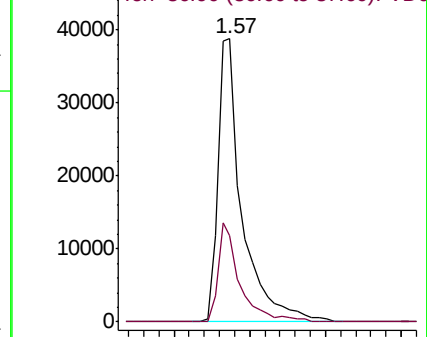
85 100

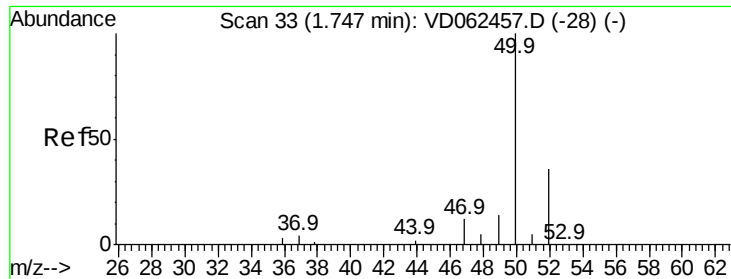
87 30.5 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.985 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

Instrument :

MSVOA_D

ClientSampleId :

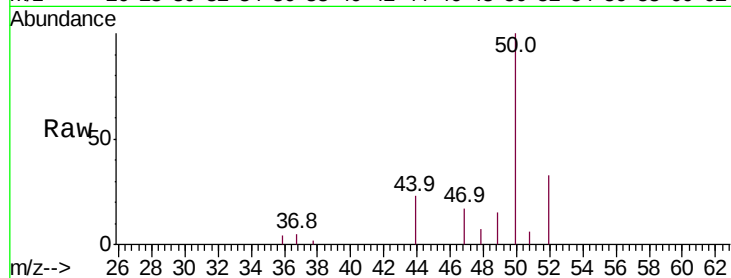
VD0524SBS01

Tot Ion: 50 Resp: 52517

Ion Ratio Lower Upper

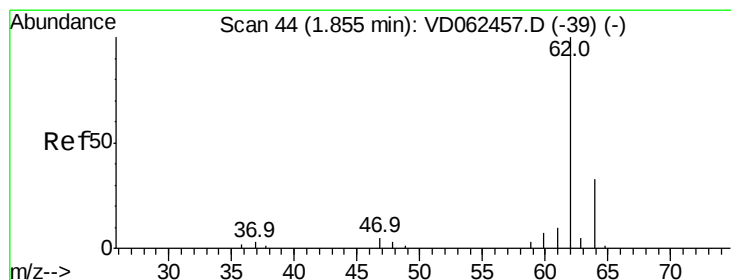
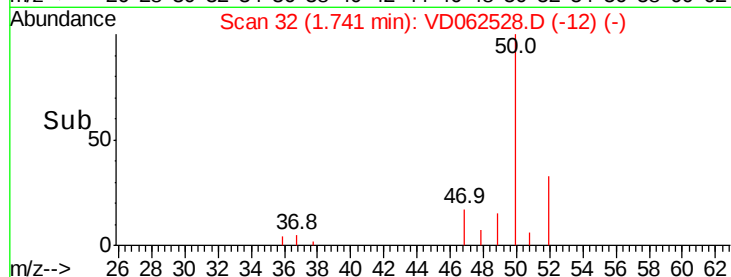
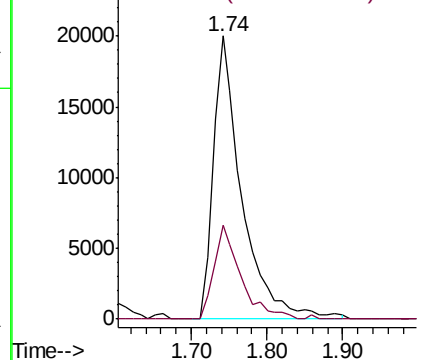
50 100

52 33.2 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 26.002 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD062528.D

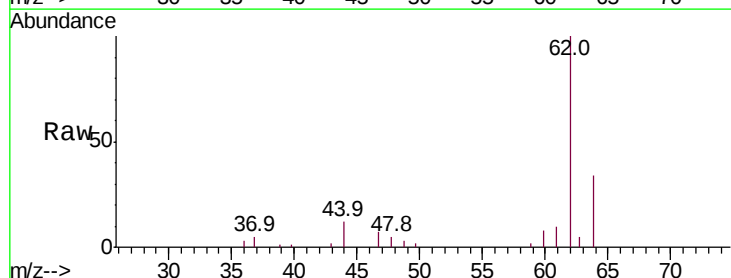
Acq: 24 May 2019 13:33

Tgt Ion: 62 Resp: 59912

Ion Ratio Lower Upper

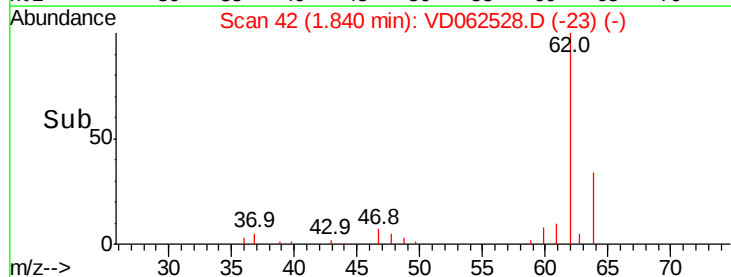
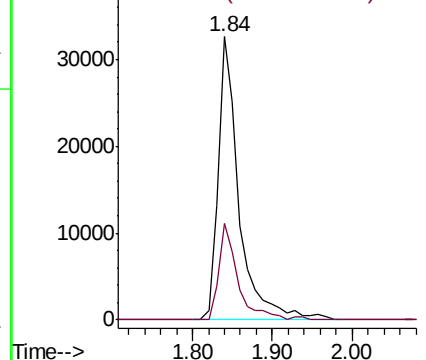
62 100

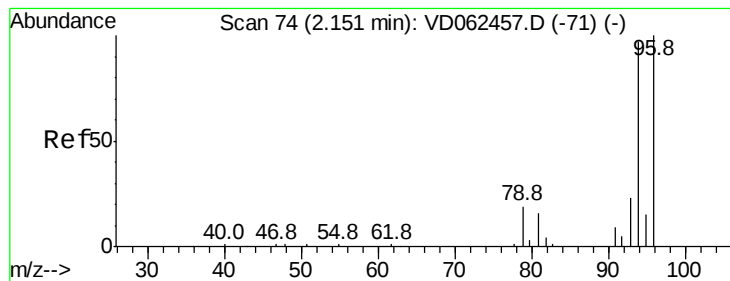
64 34.0 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 29.261 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062528.D

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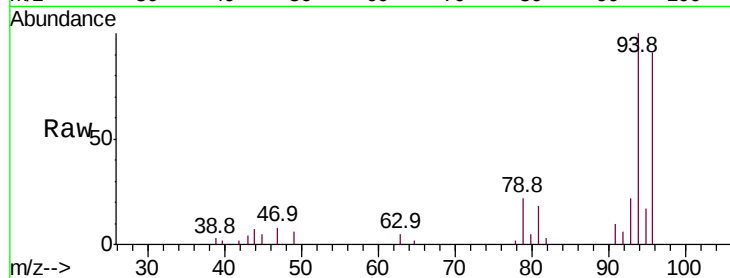
Tot Ion: 94 Resp: 29093

Ion Ratio Lower Upper

94 100

96 91.3 76.6 115.0

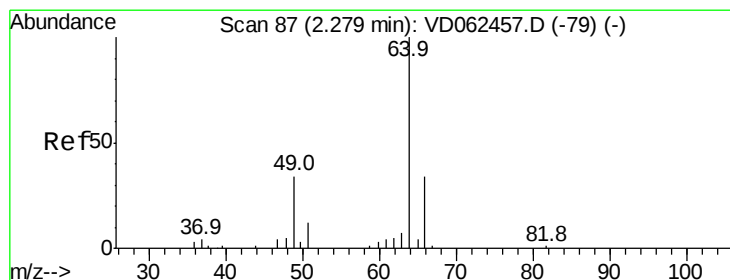
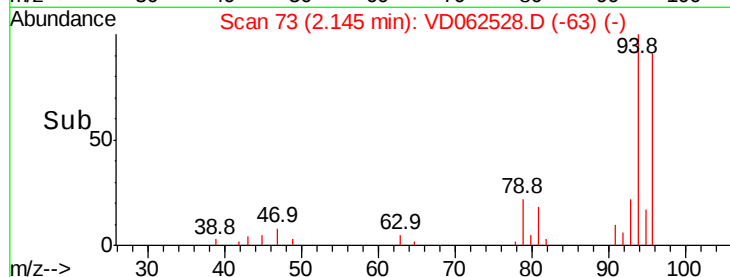
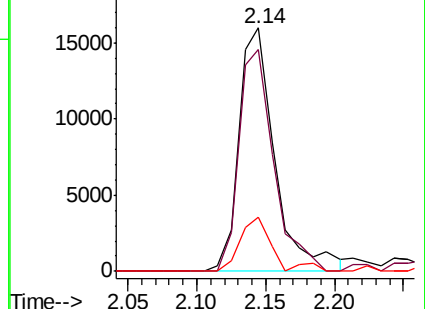
93 22.5 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 28.478 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.04 min

Lab File: VD062528.D

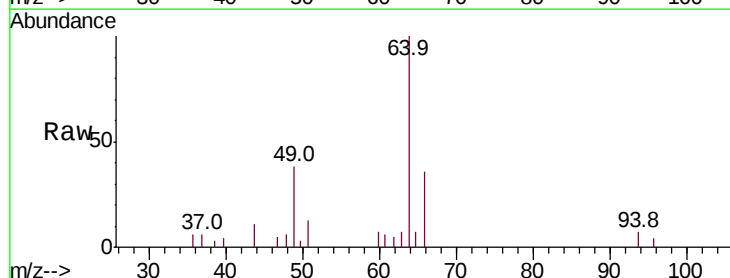
Acq: 24 May 2019 13:33

Tgt Ion: 64 Resp: 31742

Ion Ratio Lower Upper

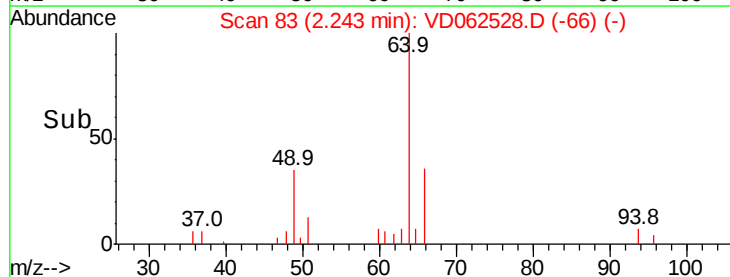
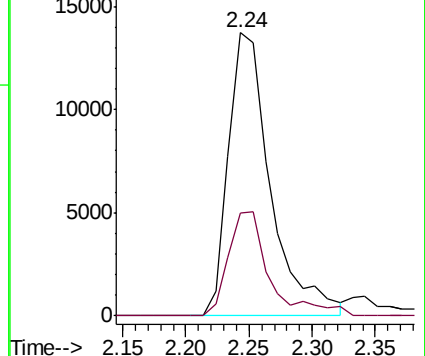
64 100

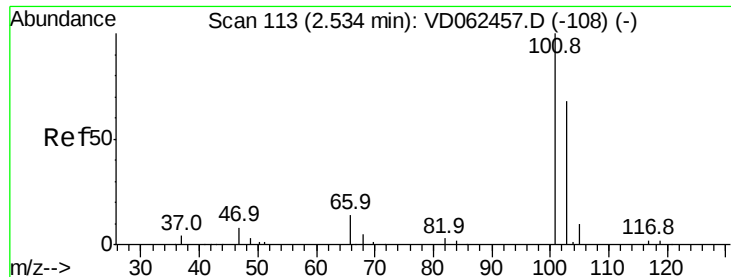
66 36.4 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



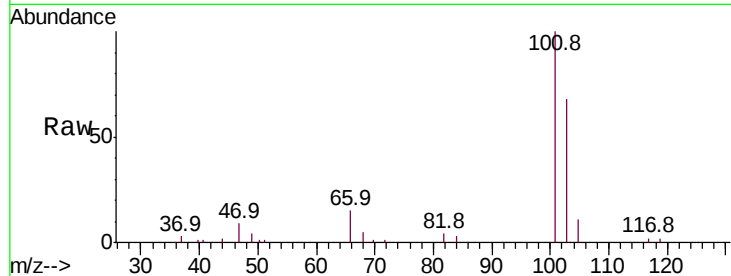


#7

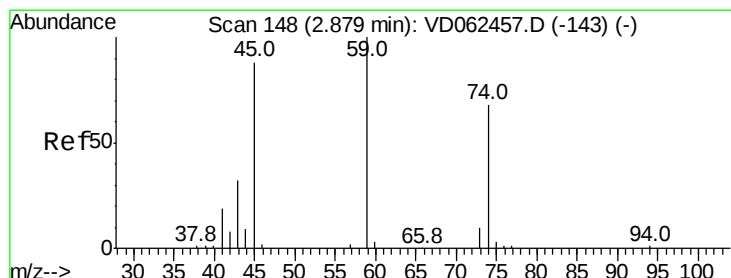
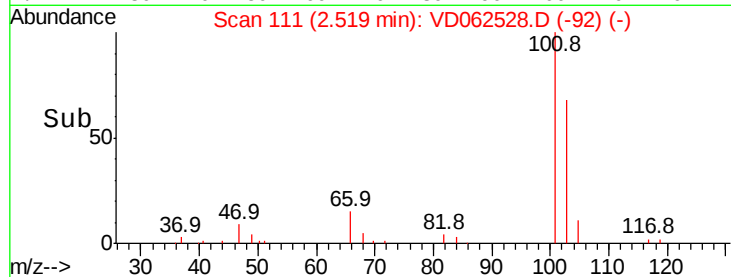
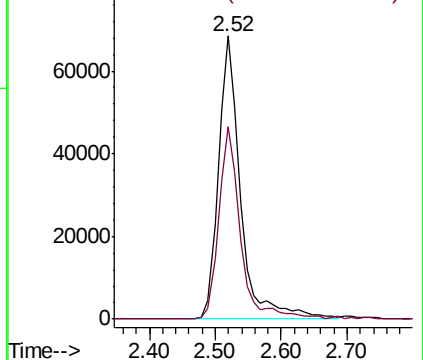
Trichlorofluoromethane
Concen: 30.009 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.02 min
Lab File: VD062528.D
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Instrument :
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ClientSampleId :
VD0524SBS01

Tot Ion:101 Resp: 159759
Ion Ratio Lower Upper
101 100
103 67.8 53.6 80.4



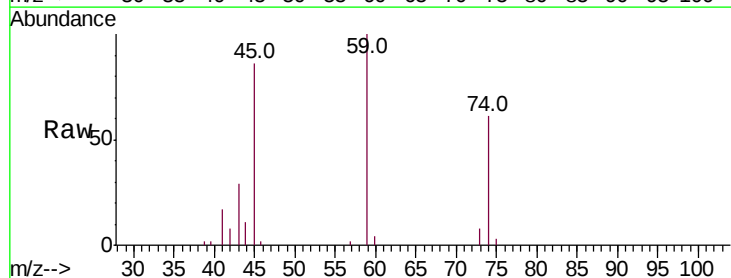
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



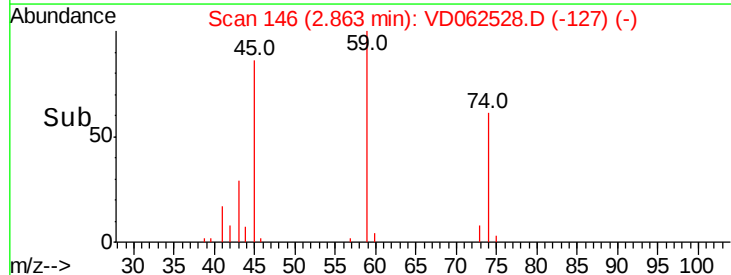
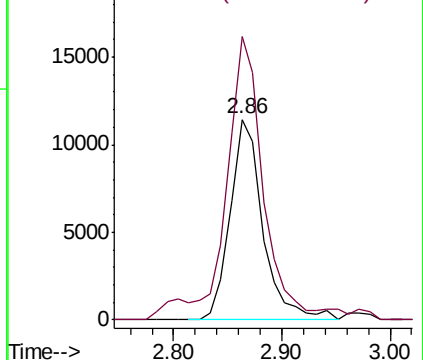
#8

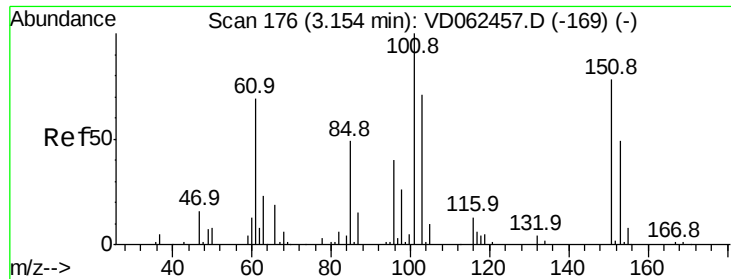
Diethyl Ether
Concen: 33.537 ug/l
RT: 2.86 min Scan# 146
Delta R.T. -0.02 min
Lab File: VD062528.D
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Tgt Ion: 74 Resp: 24085
Ion Ratio Lower Upper
74 100
45 144.9 56.9 170.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 26.964 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBS01

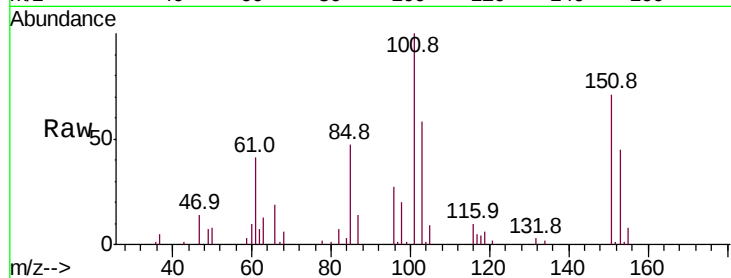
Tot Ion:101 Resp: 85402

Ion Ratio Lower Upper

101 100

85 46.8 32.4 48.6

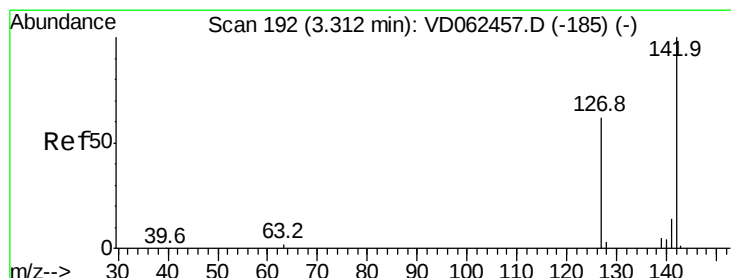
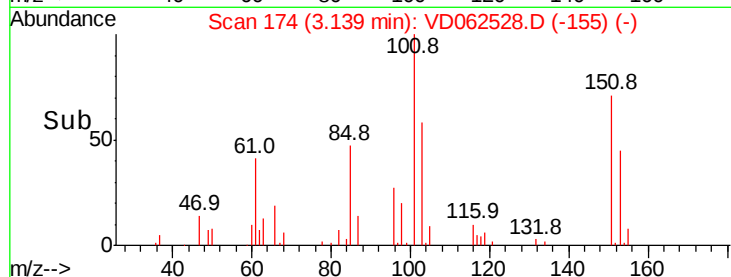
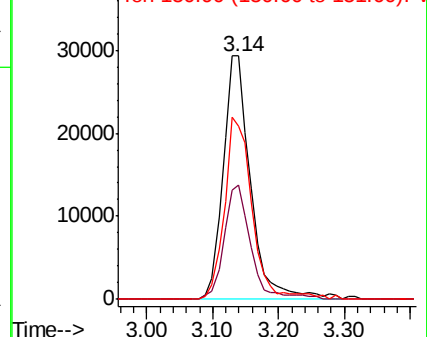
151 71.3 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 22.324 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.02 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

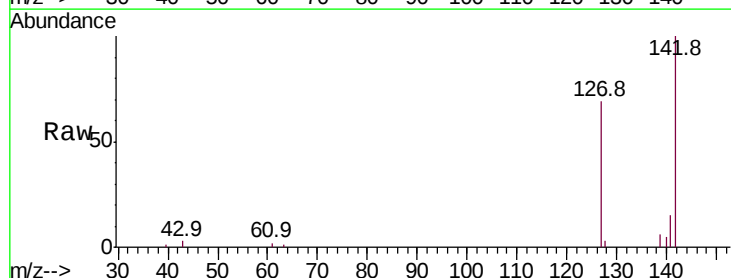
Tgt Ion:142 Resp: 98588

Ion Ratio Lower Upper

142 100

127 68.6 38.8 58.2#

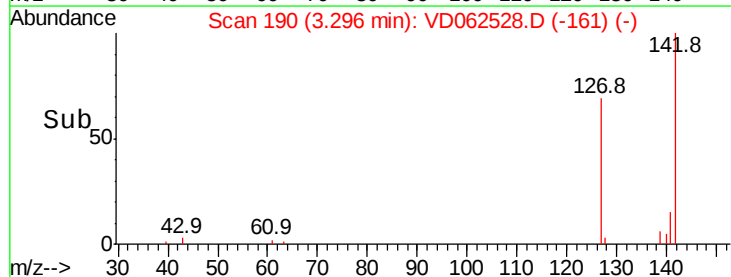
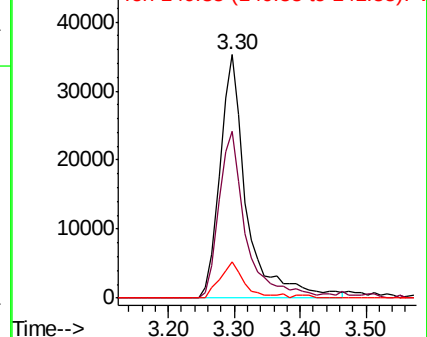
141 14.8 11.4 17.0

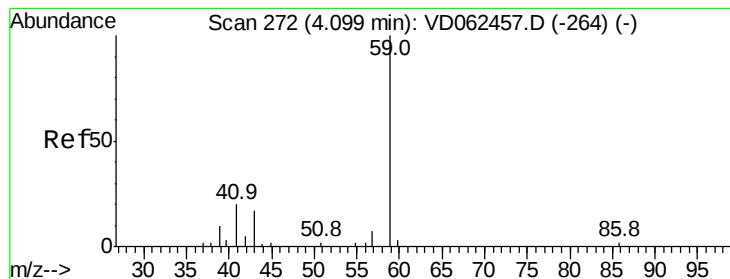


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



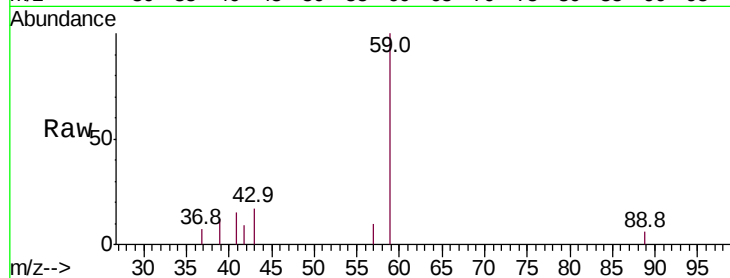


#11

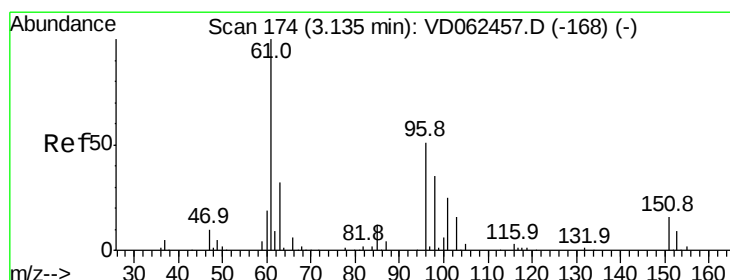
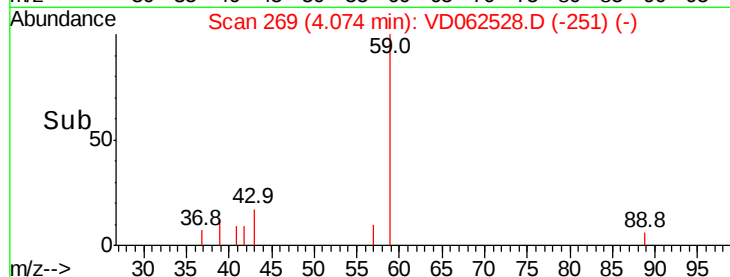
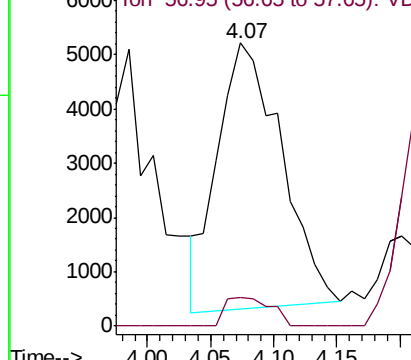
Tert butyl alcohol
 Concen: 109.783 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. -0.03 min
 Lab File: VD062528.D
 Acq: 24 May 2019 13:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBS01

Tot Ion: 59 Resp: 17145
 Ion Ratio Lower Upper
 59 100
 57 10.1 6.9 10.3



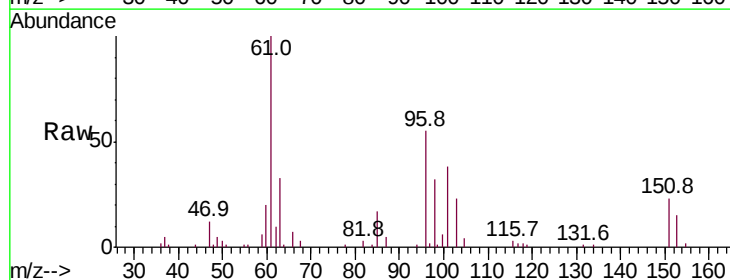
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



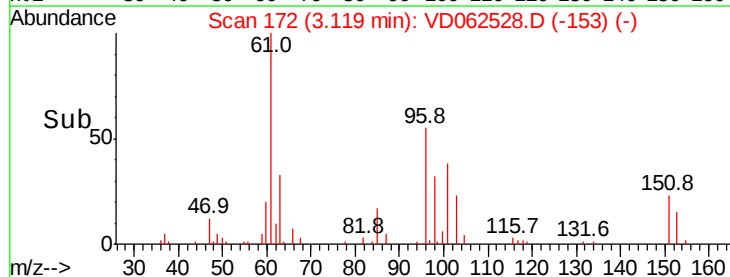
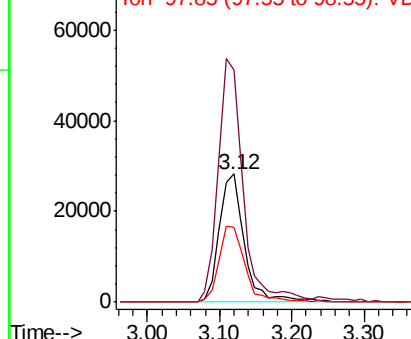
#12

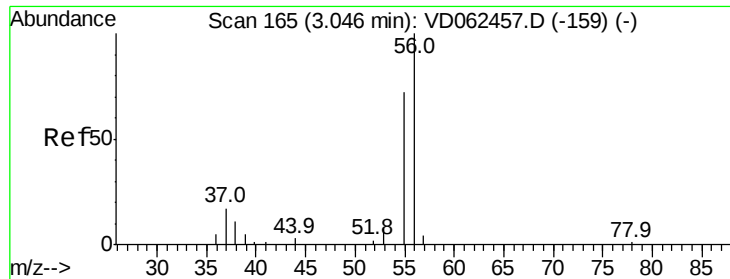
1,1-Dichloroethene
 Concen: 28.893 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.02 min
 Lab File: VD062528.D
 Acq: 24 May 2019 13:33

Tgt Ion: 96 Resp: 67632
 Ion Ratio Lower Upper
 96 100
 61 180.9 129.8 194.8
 98 58.1 51.2 76.8



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





#13

Acrolein

Concen: 140.093 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

Instrument :

MSVOA_D

ClientSampleId :

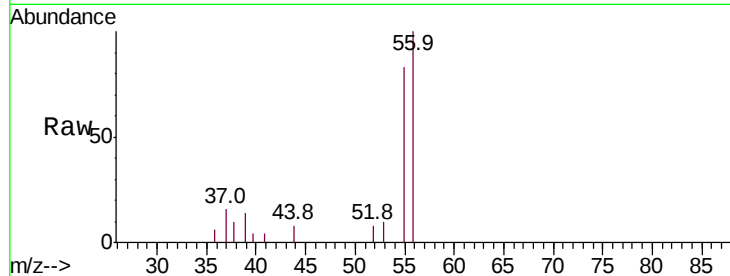
VD0524SBS01

Tot Ion: 56 Resp: 18169

Ion Ratio Lower Upper

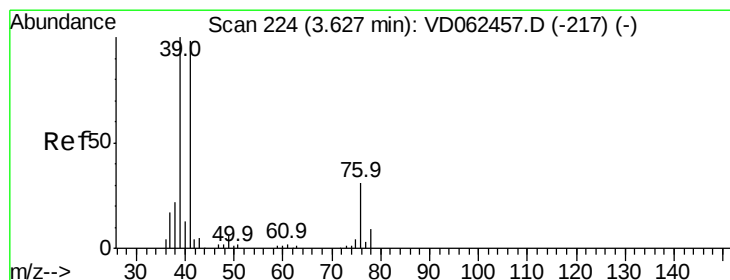
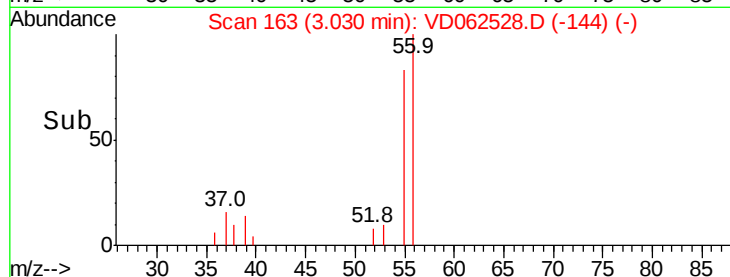
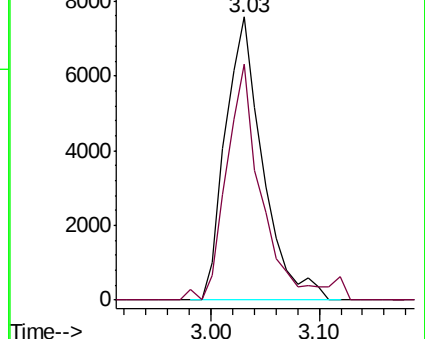
56 100

55 83.3 51.4 77.2#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.763 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.02 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

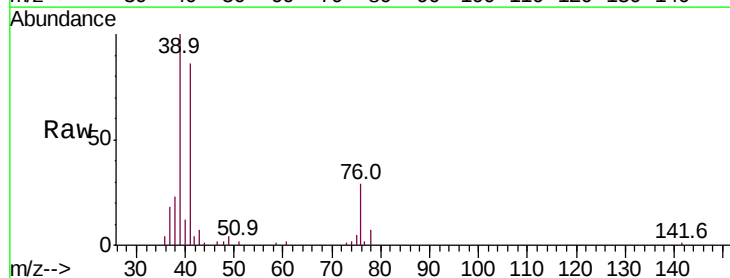
Tgt Ion: 41 Resp: 75113

Ion Ratio Lower Upper

41 100

39 116.9 60.5 90.7#

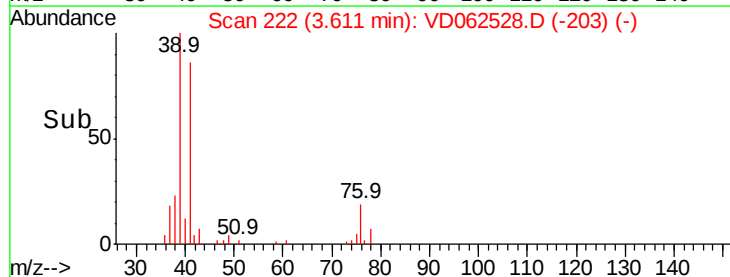
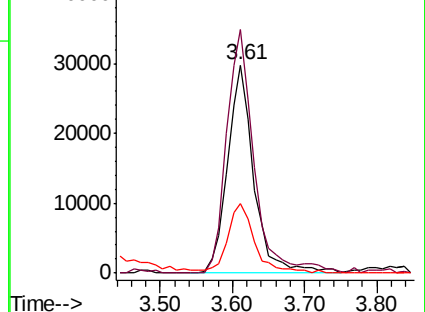
76 33.4 31.8 47.8

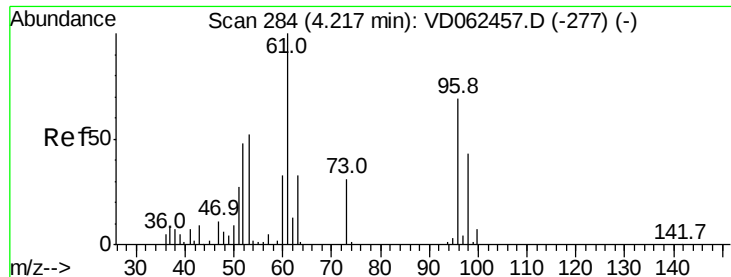


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 113.215 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.03 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBS01

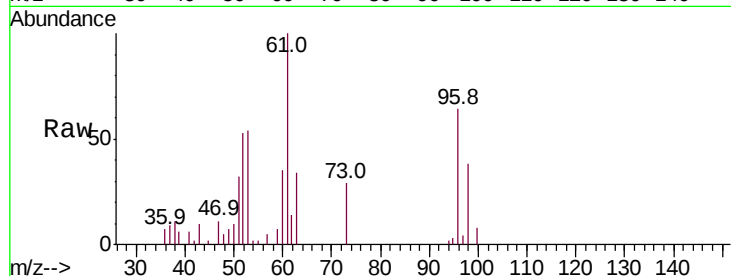
Tot Ion: 53 Resp: 40515

Ion Ratio Lower Upper

53 100

52 99.1 65.0 97.4#

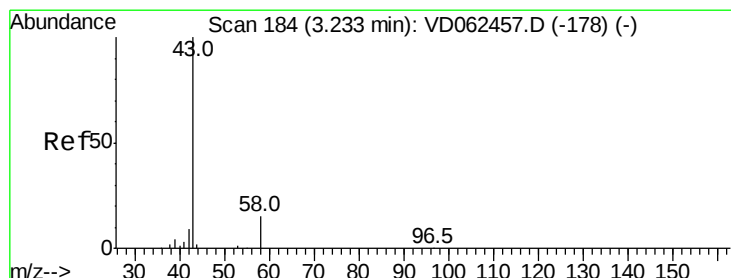
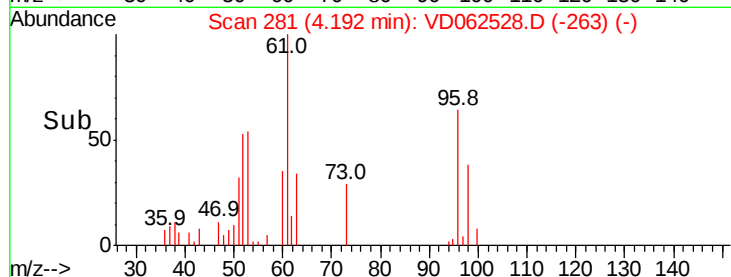
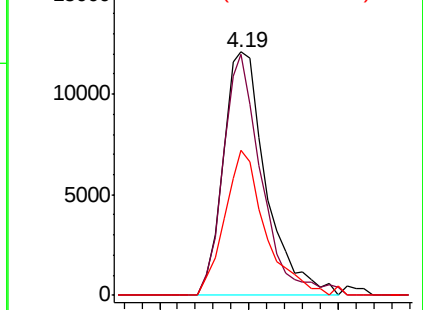
51 59.7 32.6 48.8#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 121.700 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD062528.D

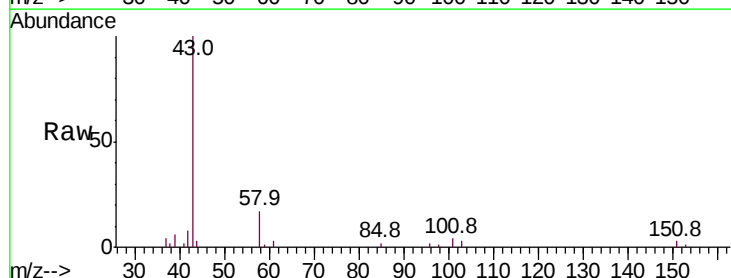
Acq: 24 May 2019 13:33

Tgt Ion: 43 Resp: 73786

Ion Ratio Lower Upper

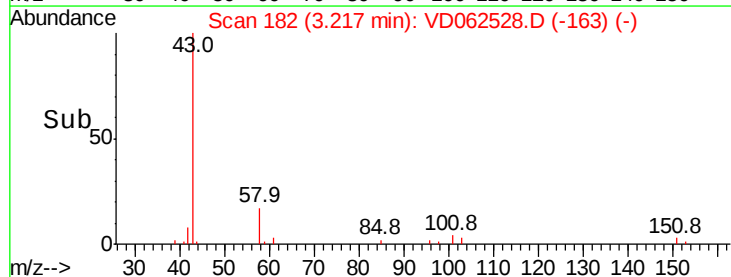
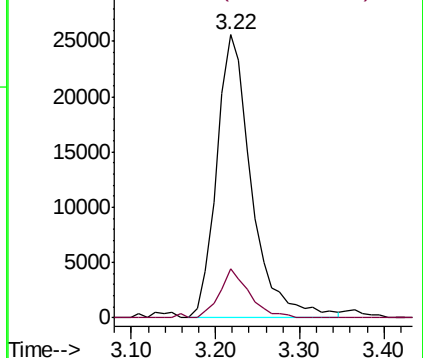
43 100

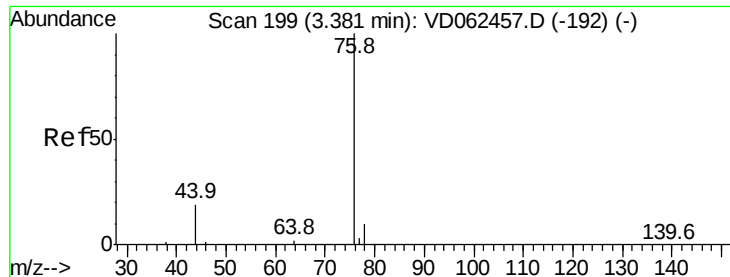
58 17.3 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

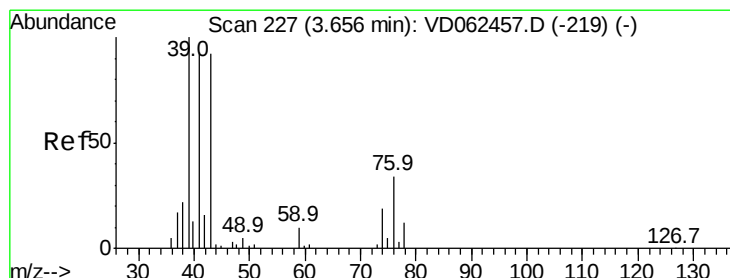
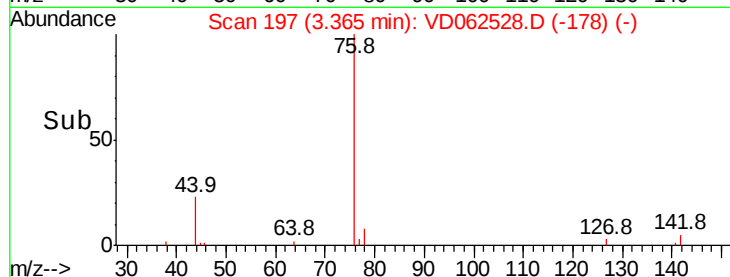
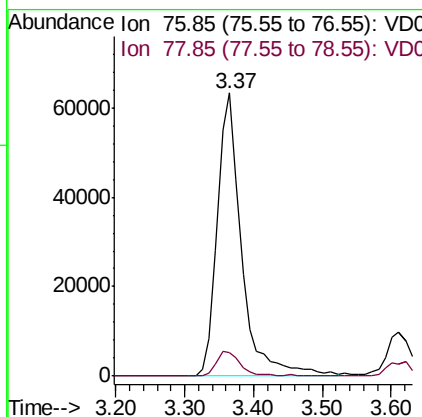
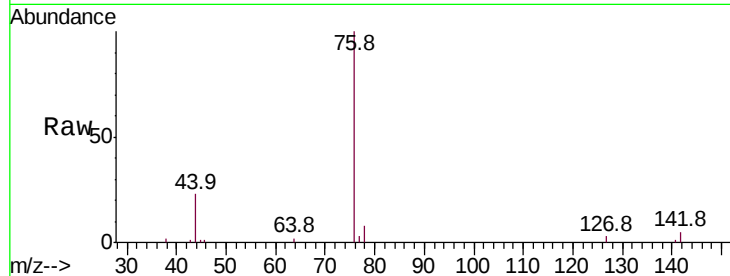




#17
Carbon Disulfide
Concen: 21.845 ug/l
RT: 3.37 min Scan# 197
Delta R.T. -0.02 min
Lab File: VD062528.D
Acq: 24 May 2019 13:33

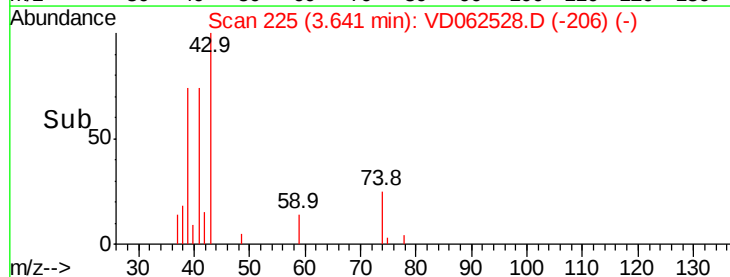
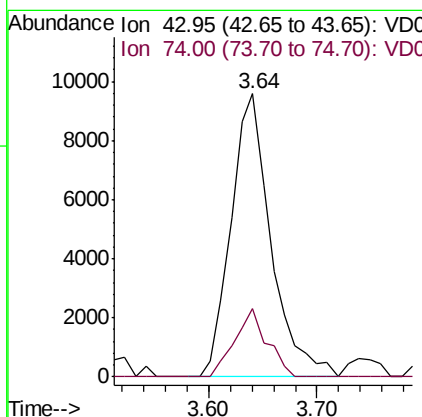
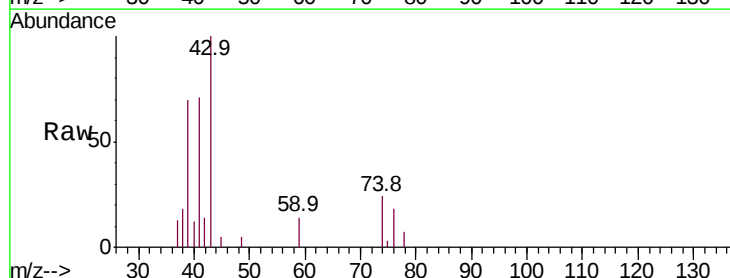
Instrument :
MSVOA_D
ClientSampleId :
VD0524SBS01

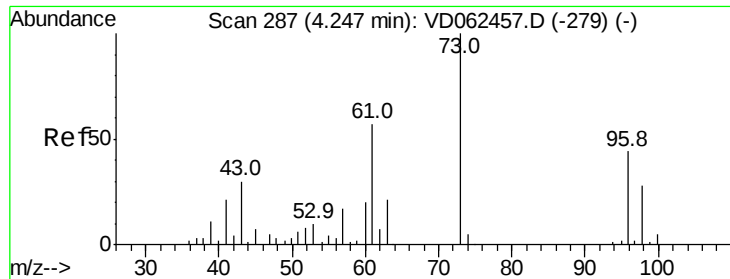
Tot Ion: 76 Resp: 154861
Ion Ratio Lower Upper
76 100
78 8.1 7.2 10.8



#18
Methyl Acetate
Concen: 23.485 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.02 min
Lab File: VD062528.D
Acq: 24 May 2019 13:33

Tgt Ion: 43 Resp: 24570
Ion Ratio Lower Upper
43 100
74 24.2 18.0 27.0

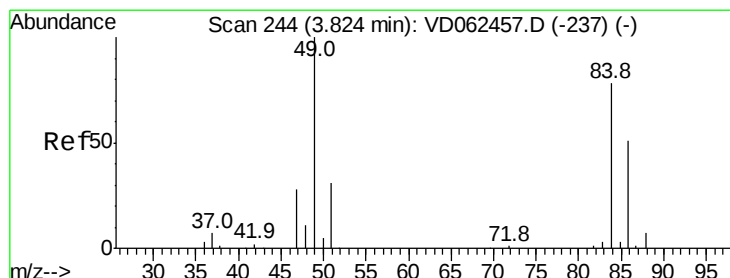
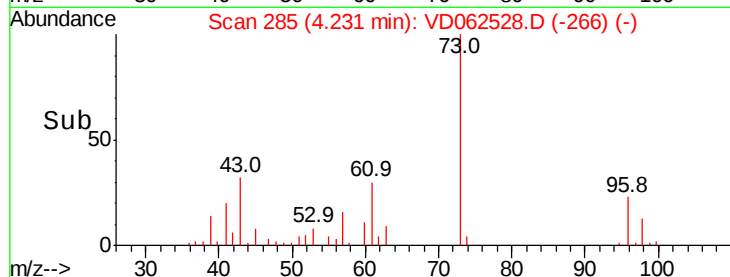
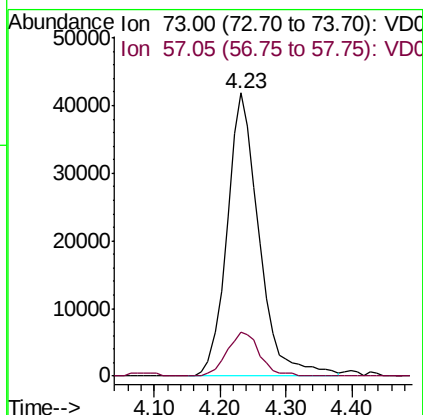
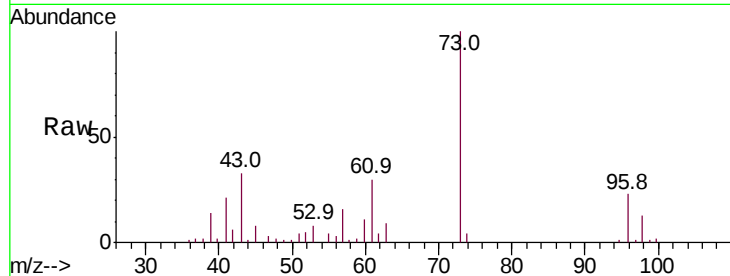




#19
Methyl tert-butyl Ether
Concen: 26.284 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.02 min
Lab File: VD062528.D
Acq: 24 May 2019 13:33

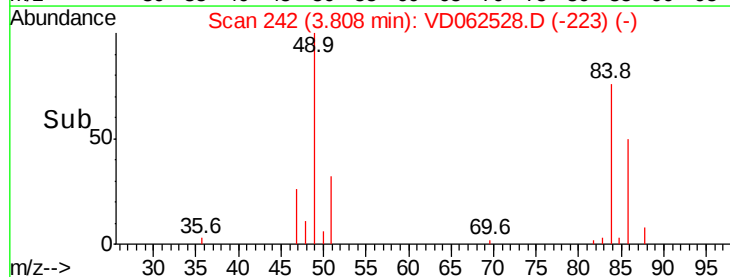
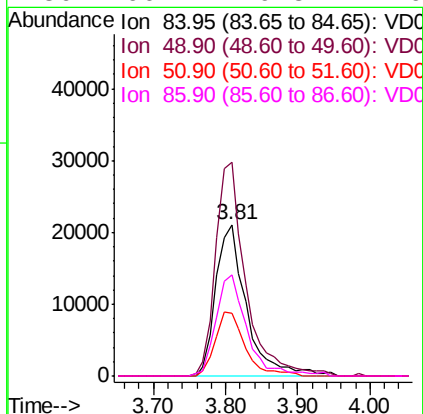
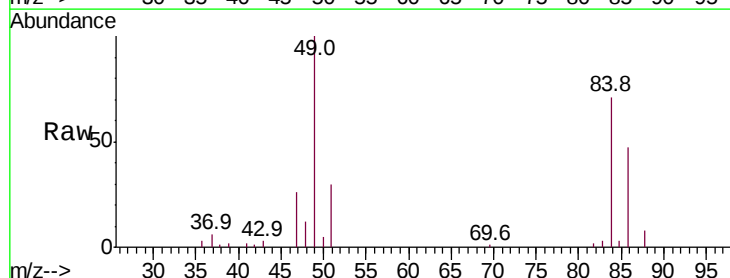
Instrument :
MSVOA_D
ClientSampleId :
VD0524SBS01

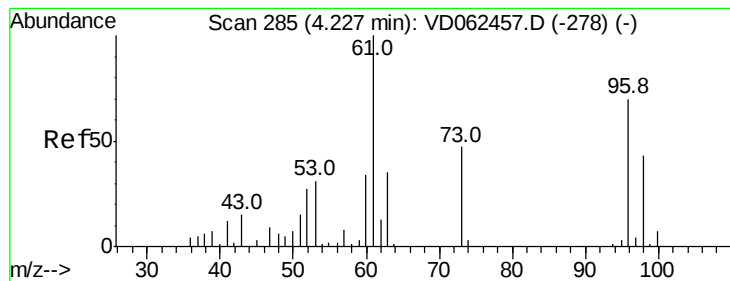
Tot Ion: 73 Resp: 142105
Ion Ratio Lower Upper
73 100
57 16.8 16.3 24.5



#20
Methylene Chloride
Concen: 20.131 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD062528.D
Acq: 24 May 2019 13:33

Tgt Ion: 84 Resp: 61742
Ion Ratio Lower Upper
84 100
49 141.4 94.0 141.0#
51 41.7 29.0 43.4
86 66.7 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 22.198 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBS01

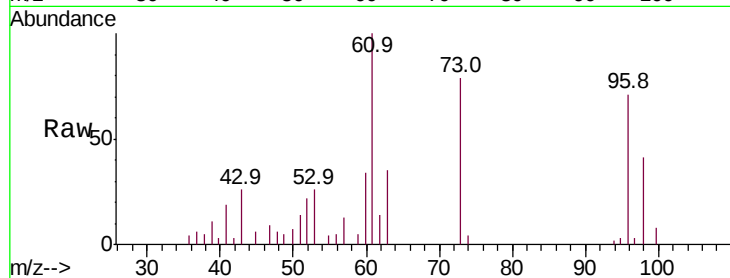
Tot Ion: 96 Resp: 60829

Ion Ratio Lower Upper

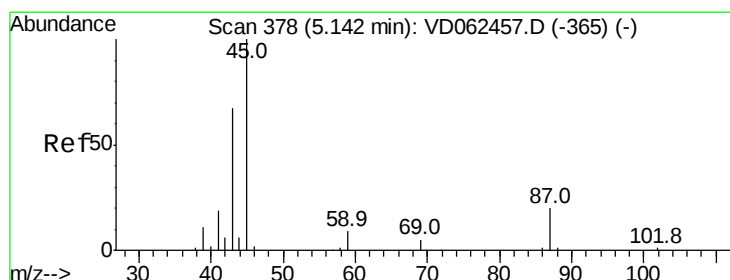
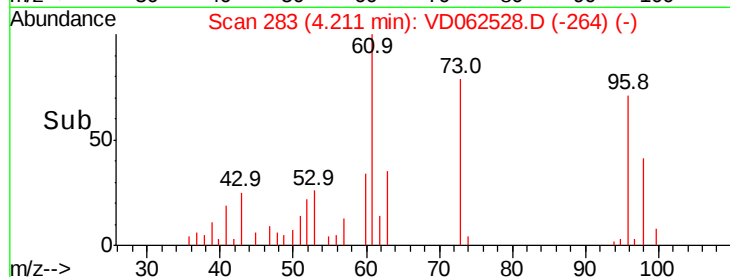
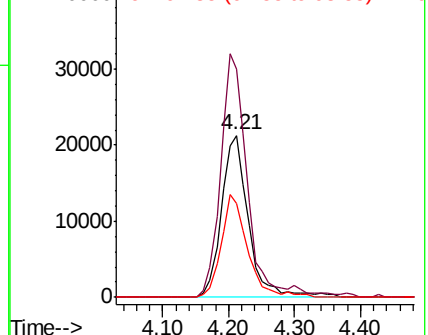
96 100

61 141.0 104.4 156.6

98 58.0 51.8 77.8



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



#22

Diisopropyl ether

Concen: 22.117 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.03 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

Tgt Ion: 45 Resp: 162479

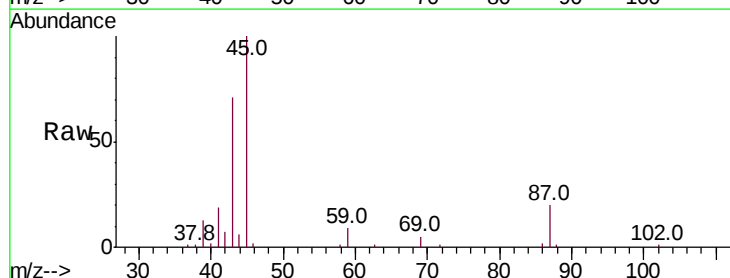
Ion Ratio Lower Upper

45 100

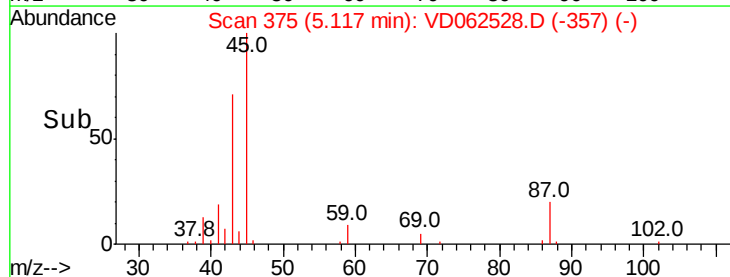
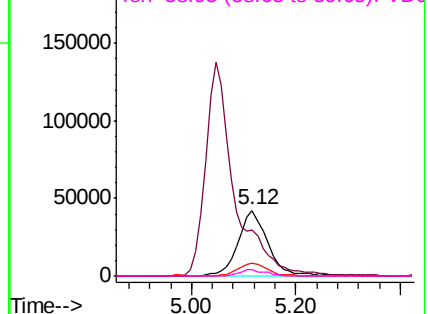
43 70.6 46.2 69.2#

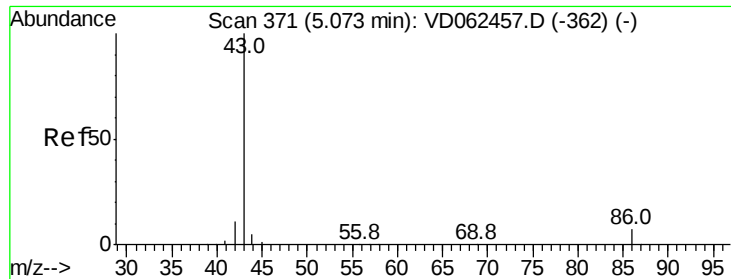
87 20.1 15.9 23.9

59 9.3 7.9 11.9



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC

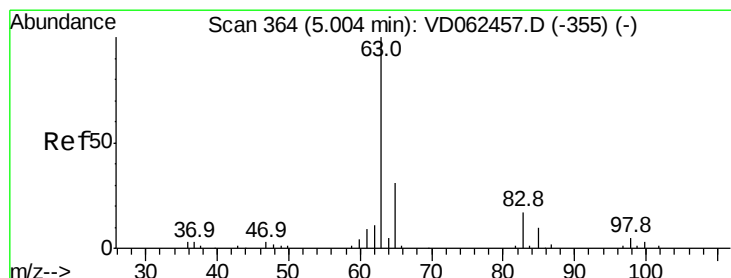
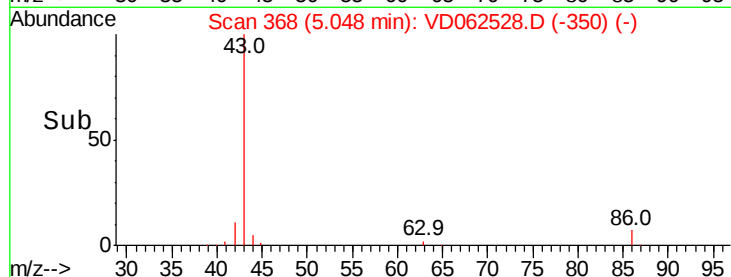
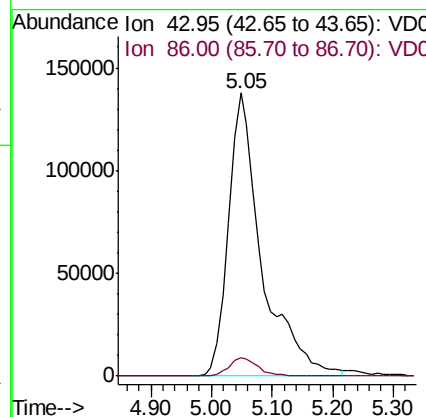
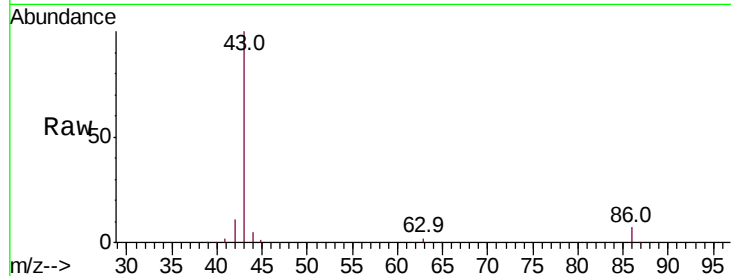




#23
 Vinyl Acetate
 Concen: 118.007 ug/l
 RT: 5.05 min Scan# 368
 Delta R.T. -0.03 min
 Lab File: VD062528.D
 Acq: 24 May 2019 13:33

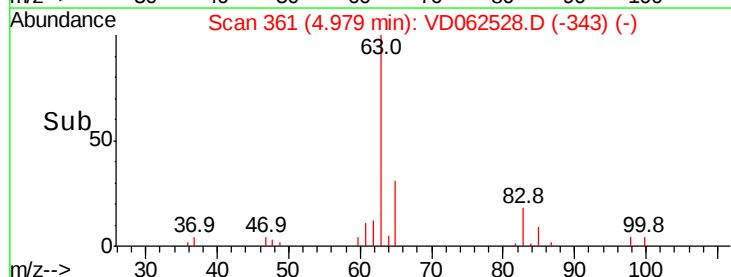
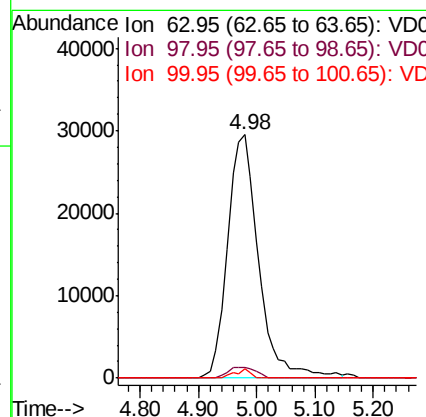
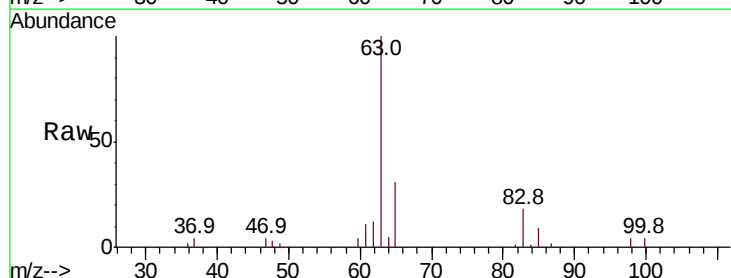
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBS01

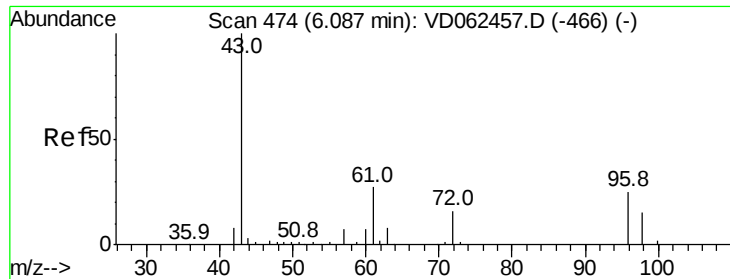
Tot Ion: 43 Resp: 523842
 Ion Ratio Lower Upper
 43 100
 86 6.7 6.4 9.6



#24
 1,1-Dichloroethane
 Concen: 23.051 ug/l
 RT: 4.98 min Scan# 361
 Delta R.T. -0.03 min
 Lab File: VD062528.D
 Acq: 24 May 2019 13:33

Tgt Ion: 63 Resp: 109064
 Ion Ratio Lower Upper
 63 100
 98 4.3 2.8 8.4
 100 4.1 1.8 5.5





#25

2-Butanone

Concen: 109.704 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.03 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

Instrument :

MSVOA_D

ClientSampleId :

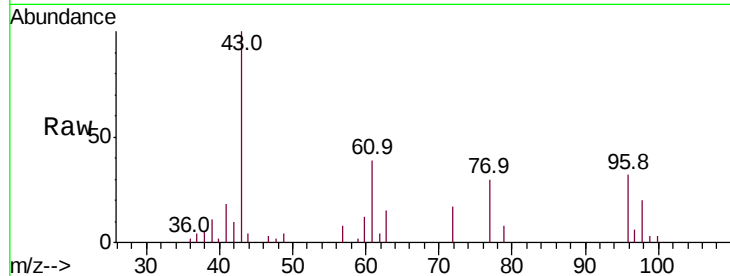
VD0524SBS01

Tot Ion: 43 Resp: 69566

Ion Ratio Lower Upper

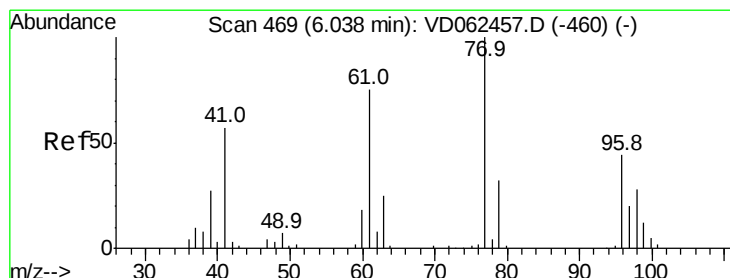
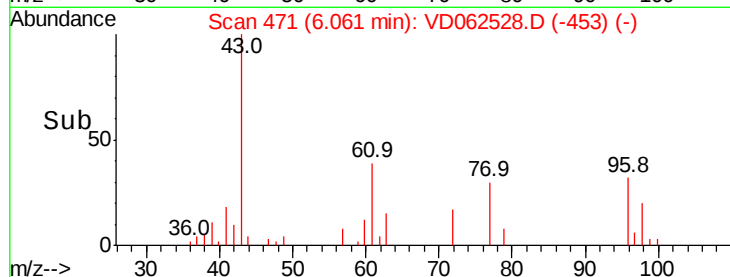
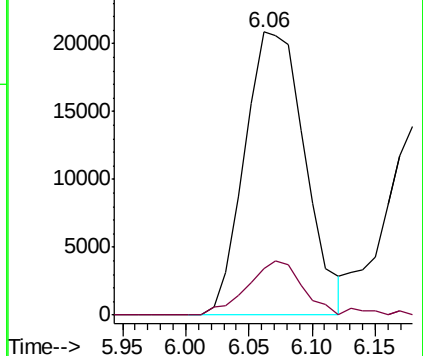
43 100

72 16.7 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 25.622 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.03 min

Lab File: VD062528.D

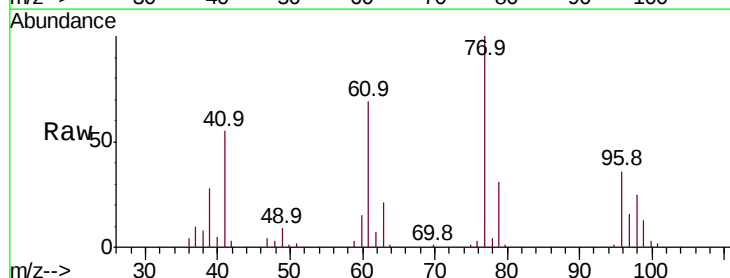
Acq: 24 May 2019 13:33

Tgt Ion: 77 Resp: 130678

Ion Ratio Lower Upper

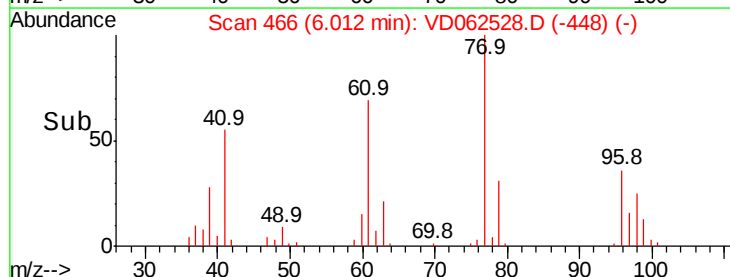
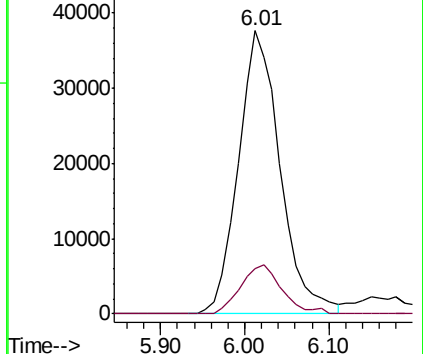
77 100

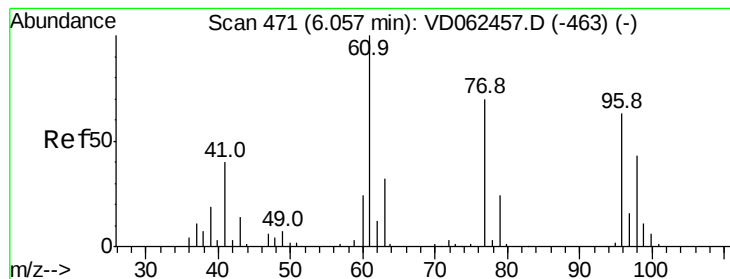
97 16.1 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



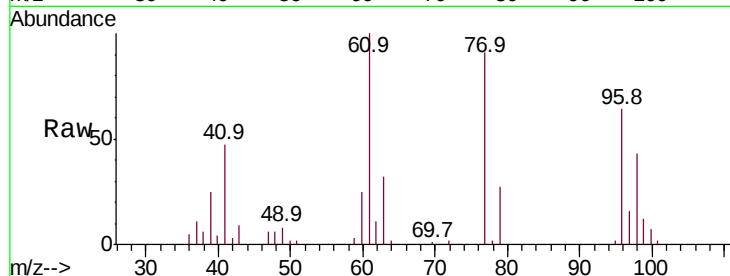


#27

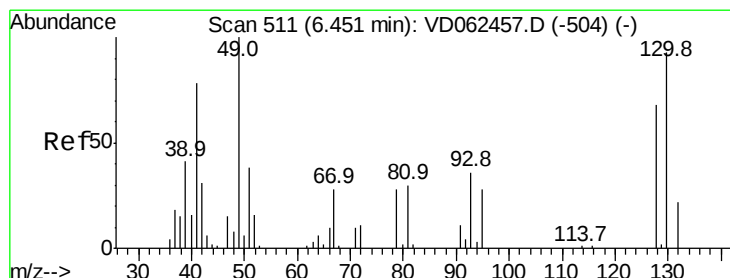
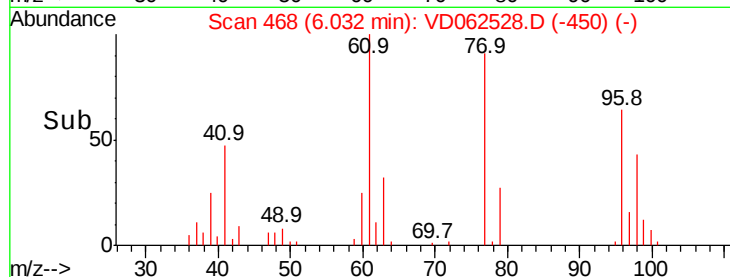
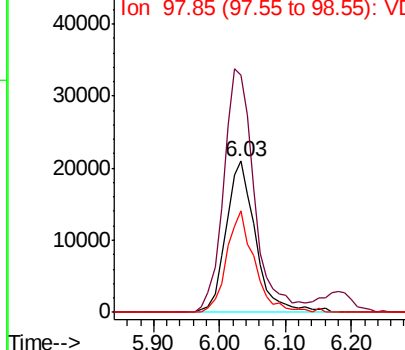
cis-1,2-Dichloroethene
 Concen: 22.296 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.03 min
 Lab File: VD062528.D
 Acq: 24 May 2019 13:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBS01

Tot Ion: 96 Resp: 65882
 Ion Ratio Lower Upper
 96 100
 61 157.0 0.0 279.8
 98 66.9 0.0 136.0



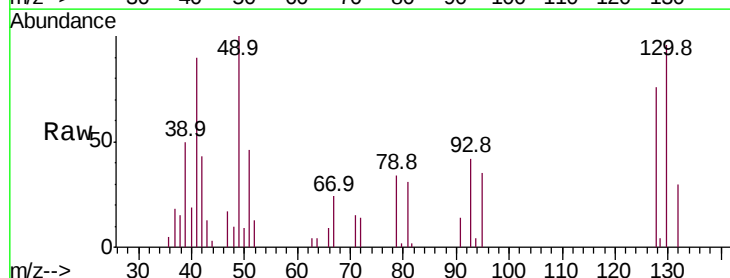
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



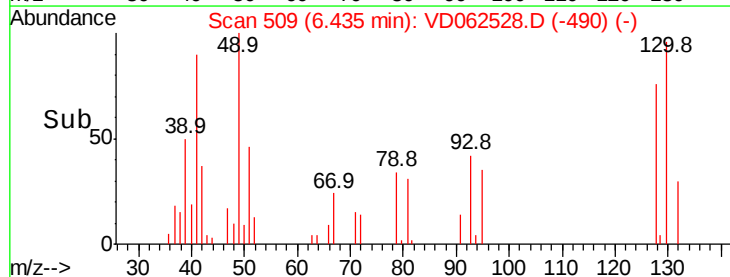
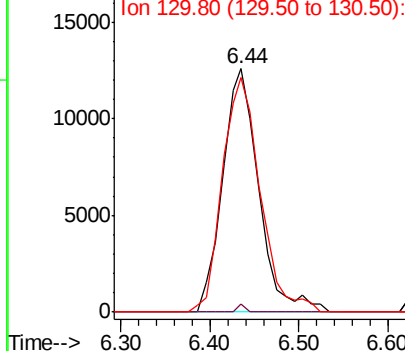
#28

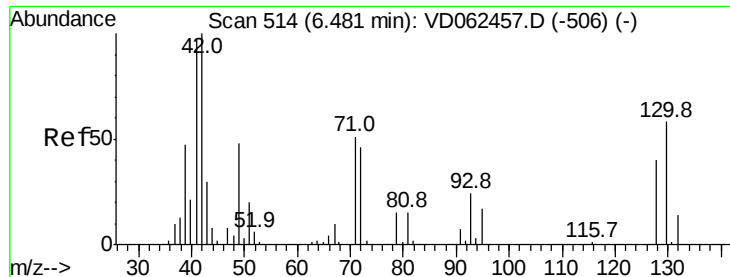
Bromochloromethane
 Concen: 21.035 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. -0.02 min
 Lab File: VD062528.D
 Acq: 24 May 2019 13:33

Tgt Ion: 49 Resp: 35719
 Ion Ratio Lower Upper
 49 100
 129 3.6 0.0 6.6
 130 96.3 86.7 130.1



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





#29

Tetrahydrofuran

Concen: 101.591 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.02 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBS01

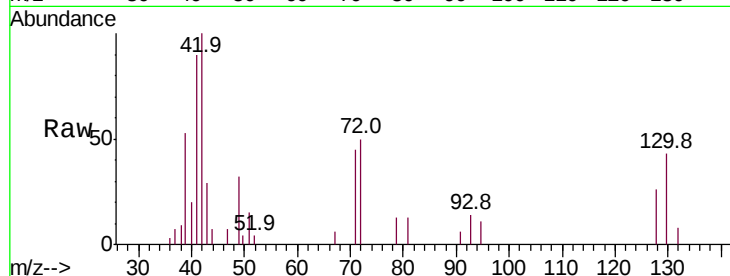
Tot Ion: 42 Resp: 30767

Ion Ratio Lower Upper

42 100

72 43.4 37.8 56.6

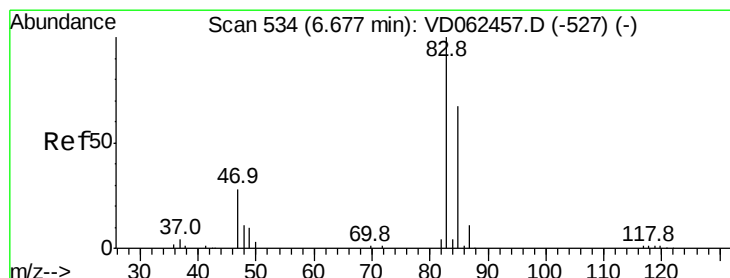
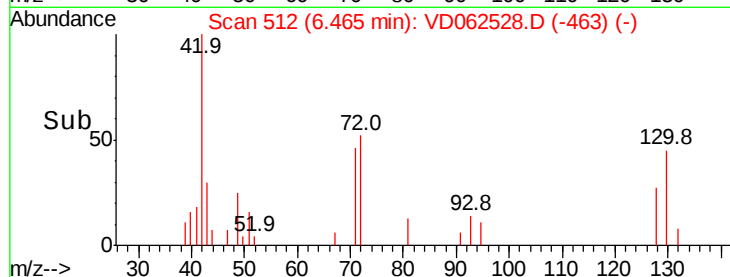
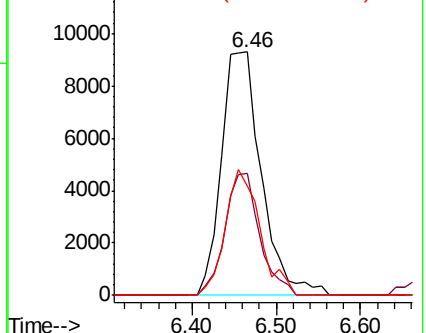
71 44.6 36.7 55.1



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: 23.113 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.02 min

Lab File: VD062528.D

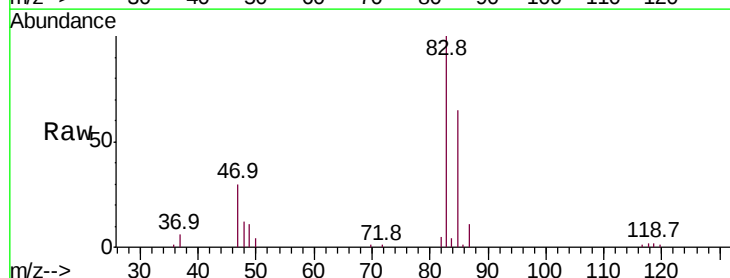
Acq: 24 May 2019 13:33

Tgt Ion: 83 Resp: 139418

Ion Ratio Lower Upper

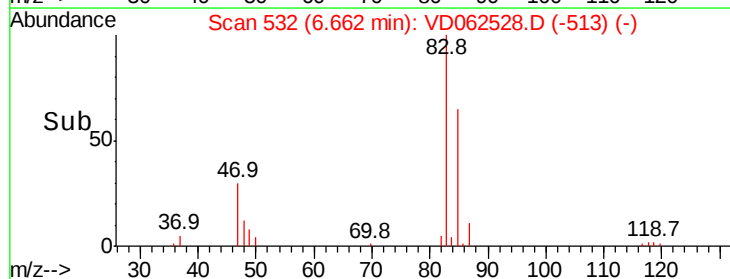
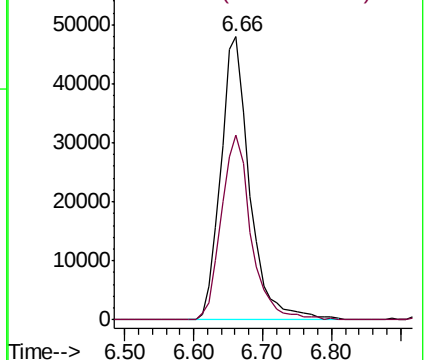
83 100

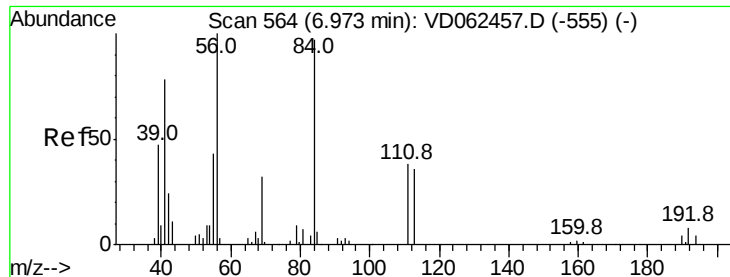
85 65.1 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

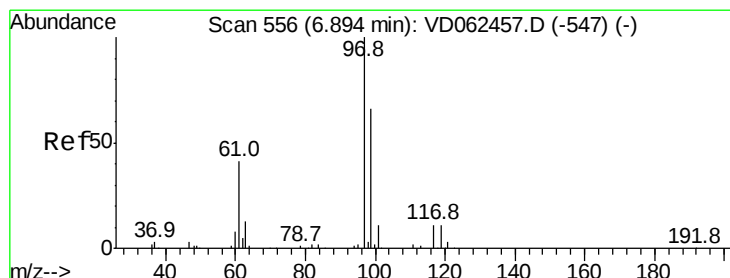
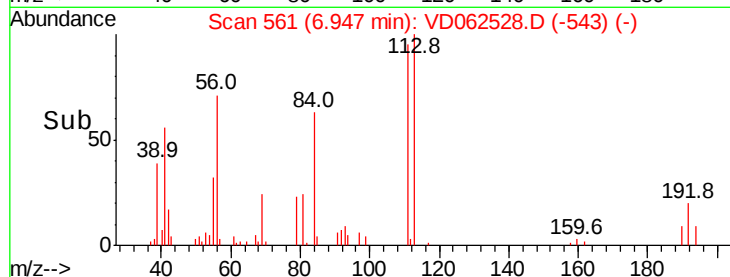
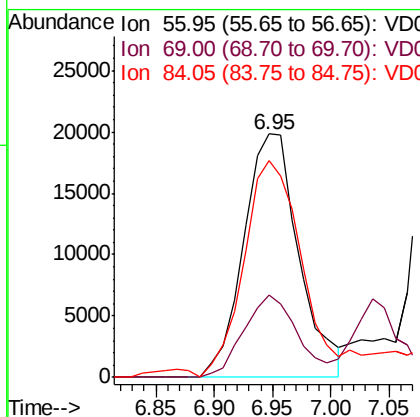
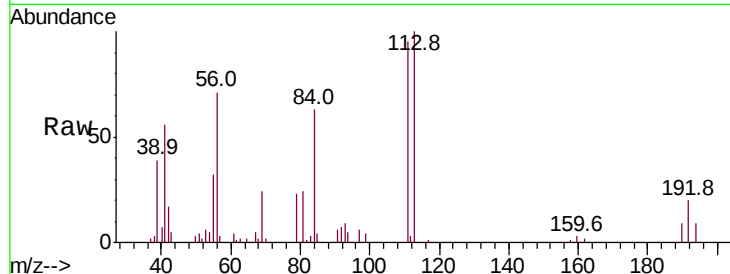




#31
Cvclohexane
Concen: 20.437 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.03 min
Lab File: VD062528.D
Acq: 24 May 2019 13:33

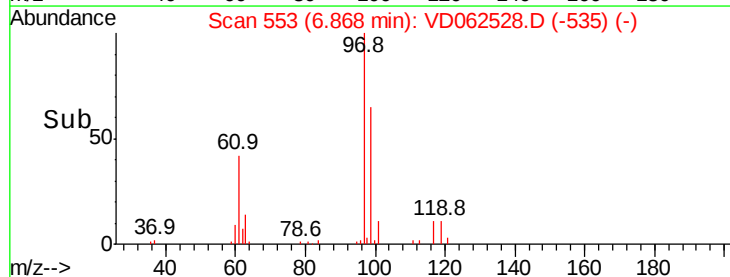
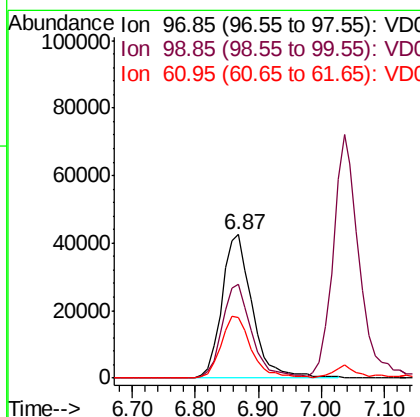
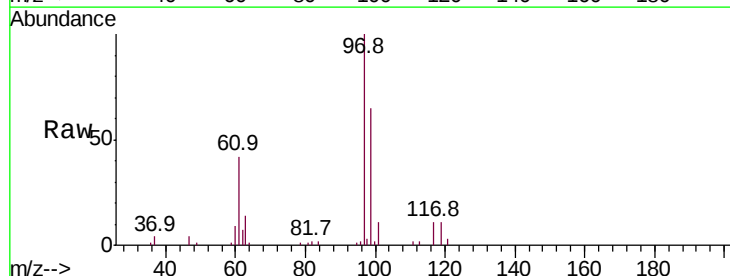
Instrument :
MSVOA_D
ClientSampleId :
VD0524SBS01

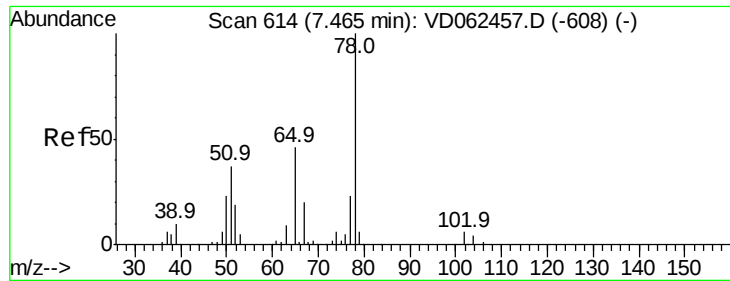
Tot Ion: 56 Resp: 65288
Ion Ratio Lower Upper
56 100
69 33.7 25.8 38.6
84 89.0 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 23.226 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.03 min
Lab File: VD062528.D
Acq: 24 May 2019 13:33

Tgt Ion: 97 Resp: 141444
Ion Ratio Lower Upper
97 100
99 65.1 52.2 78.2
61 41.9 32.4 48.6





#33

1,2-Dichloroethane-d4

Concen: 69.960 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

Instrument :

MSVOA_D

ClientSampleId :

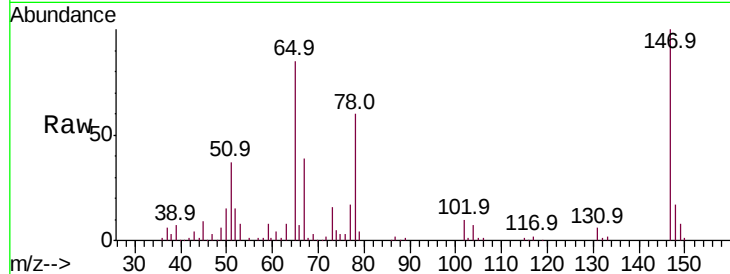
VD0524SBS01

Tot Ion: 65 Resp: 236701

Ion Ratio Lower Upper

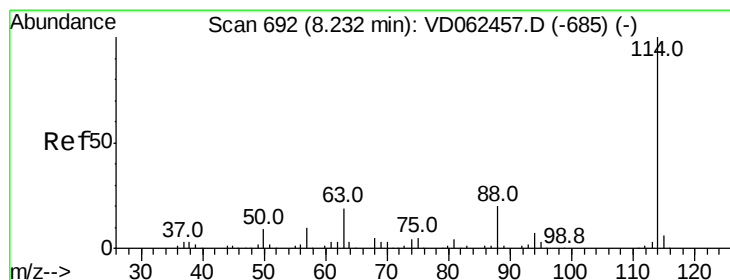
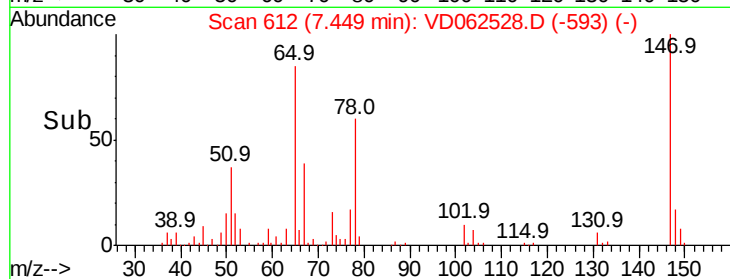
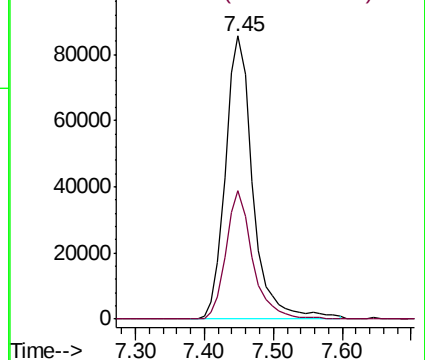
65 100

67 45.4 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

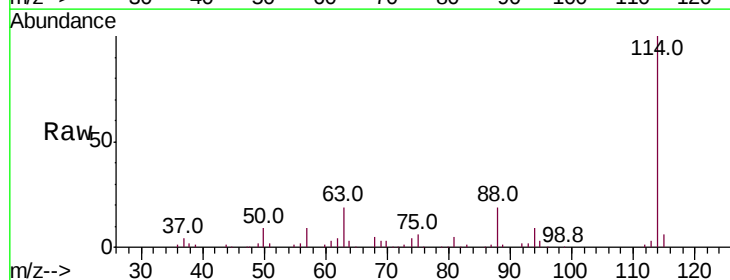
Tgt Ion: 114 Resp: 406944

Ion Ratio Lower Upper

114 100

63 19.4 0.0 32.4

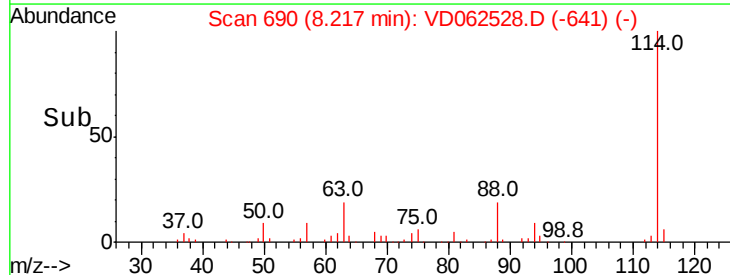
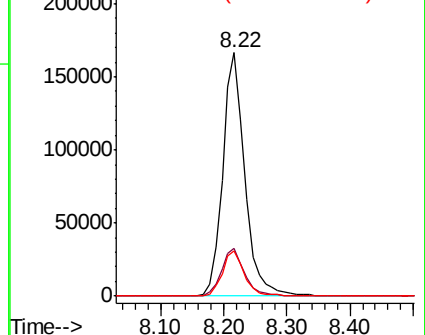
88 18.5 0.0 33.6

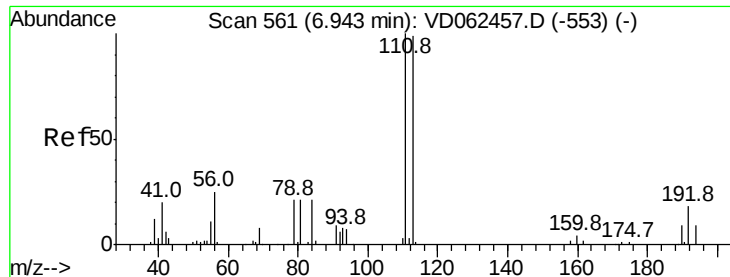


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 61.234 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.03 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBS01

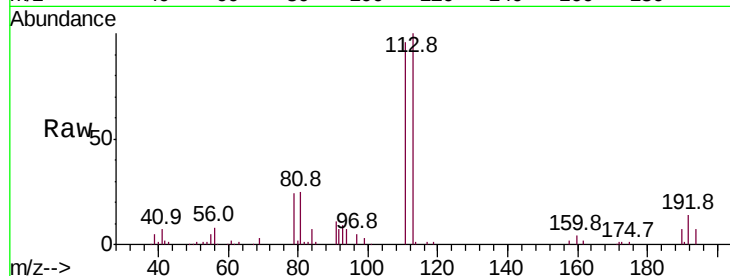
Tot Ion:113 Resp: 224798

Ion Ratio Lower Upper

113 100

111 95.9 78.5 117.7

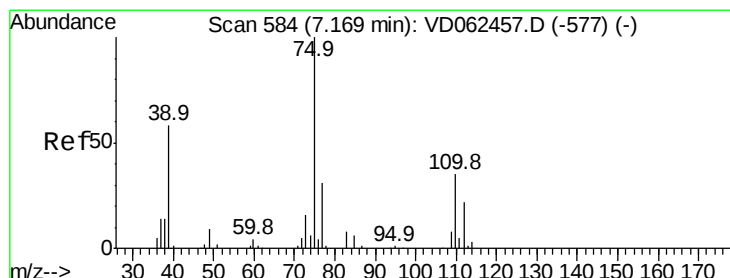
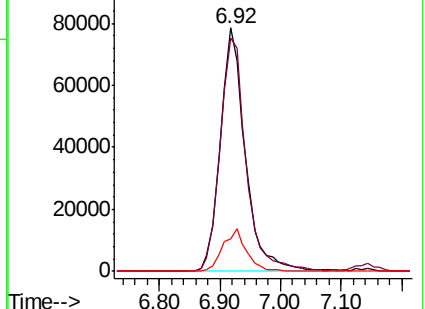
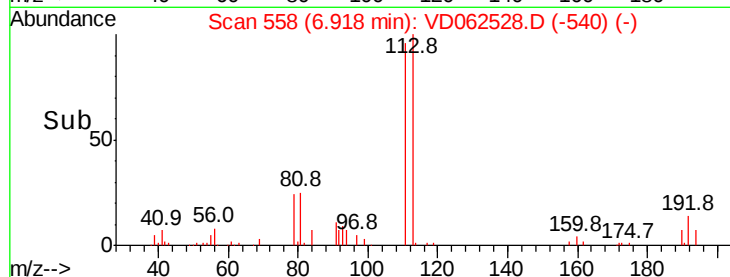
192 13.5 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 23.599 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.04 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

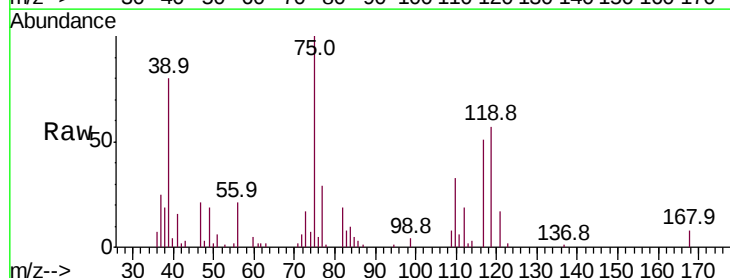
Tgt Ion: 75 Resp: 91817

Ion Ratio Lower Upper

75 100

110 32.6 19.1 57.1

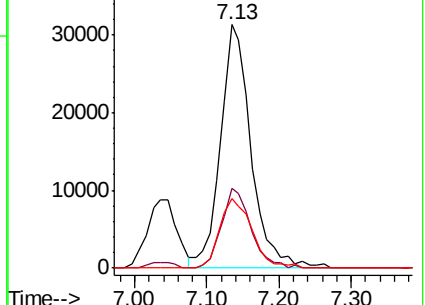
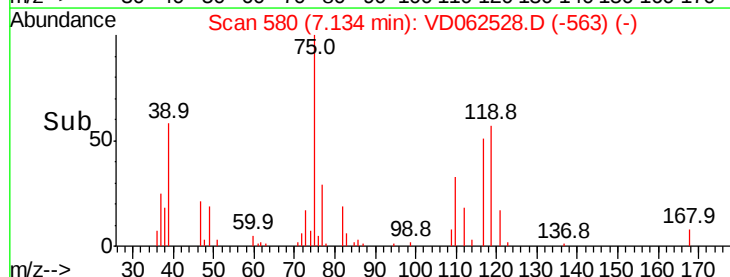
77 28.5 25.6 38.4

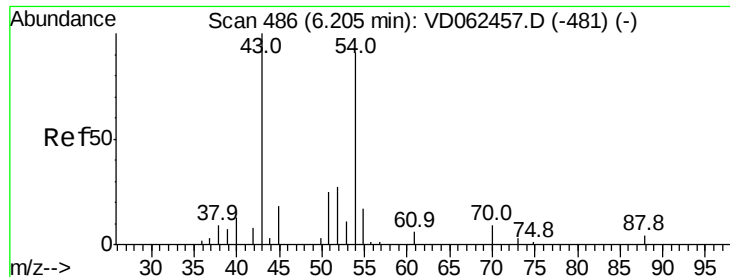


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

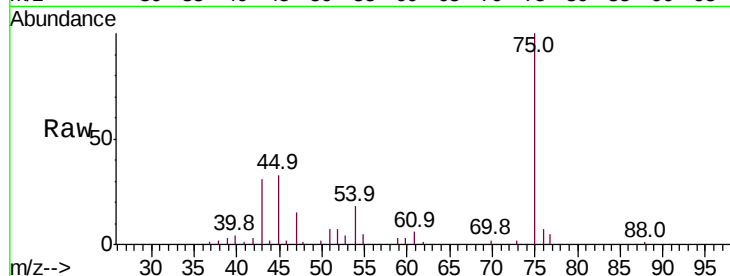




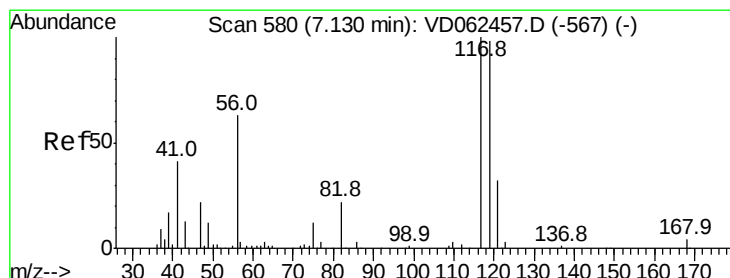
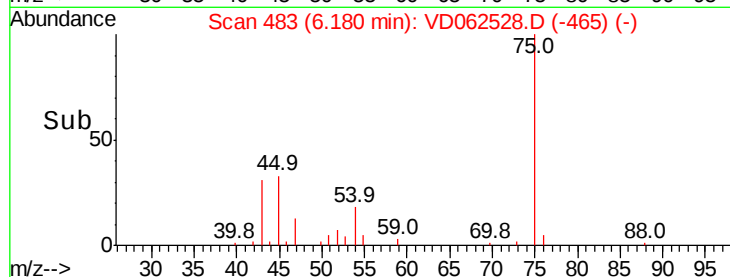
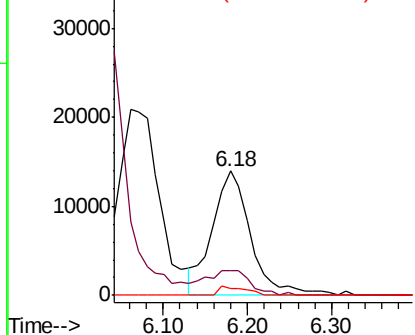
#37
Ethyl Acetate
Concen: 29.273 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.03 min
Lab File: VD062528.D
Acq: 24 May 2019 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD0524SBS01

Tot Ion: 43 Resp: 44245
Ion Ratio Lower Upper
43 100
61 20.2 14.7 22.1
70 5.2 7.8 11.6#

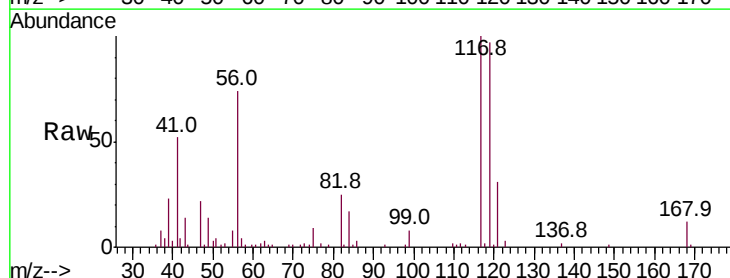


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

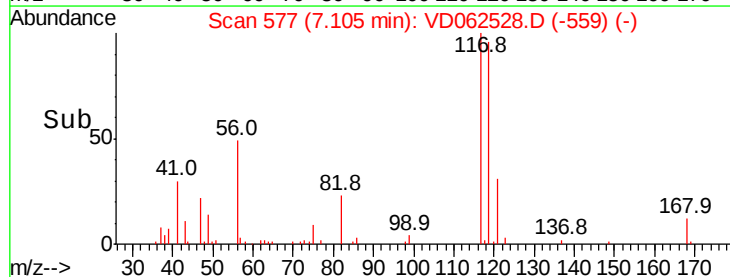
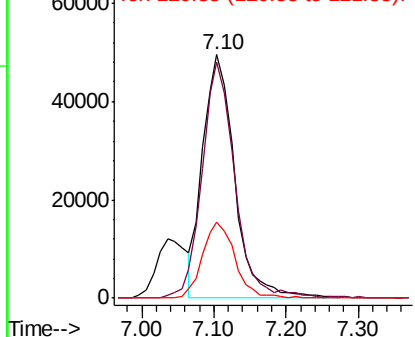


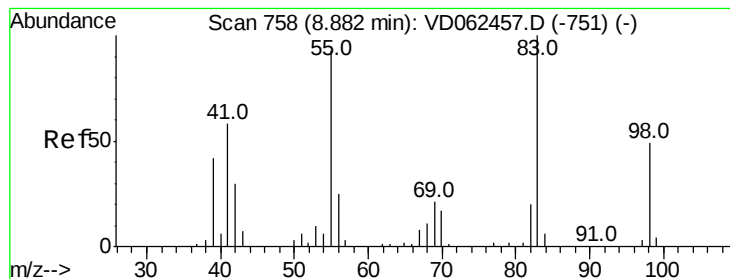
#38
Carbon Tetrachloride
Concen: 26.205 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.03 min
Lab File: VD062528.D
Acq: 24 May 2019 13:33

Tgt Ion: 117 Resp: 151526
Ion Ratio Lower Upper
117 100
119 97.1 75.8 113.8
121 31.1 25.9 38.9



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





#39

Methvlcvclohexane

Concen: 22.101 ug/l

RT: 8.87 min Scan# 756

Delta R.T. -0.02 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBS01

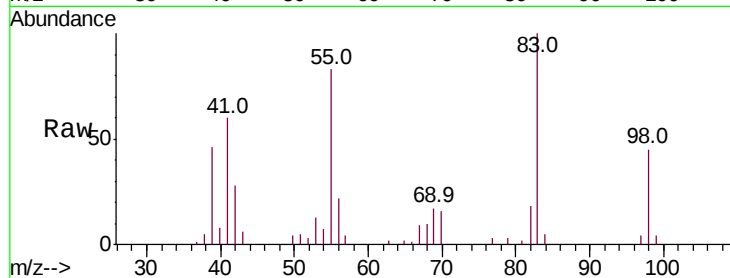
Tot Ion: 83 Resp: 70922

Ion Ratio Lower Upper

83 100

55 83.0 68.2 102.4

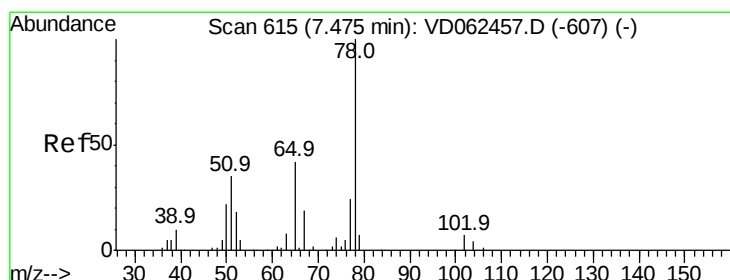
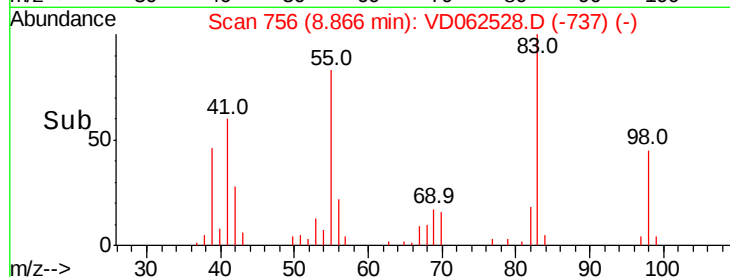
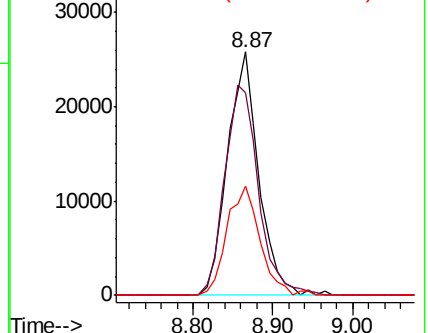
98 44.9 38.2 57.4



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 22.086 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.03 min

Lab File: VD062528.D

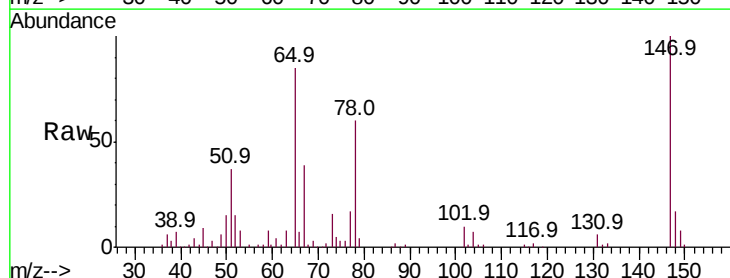
Acq: 24 May 2019 13:33

Tgt Ion: 78 Resp: 168552

Ion Ratio Lower Upper

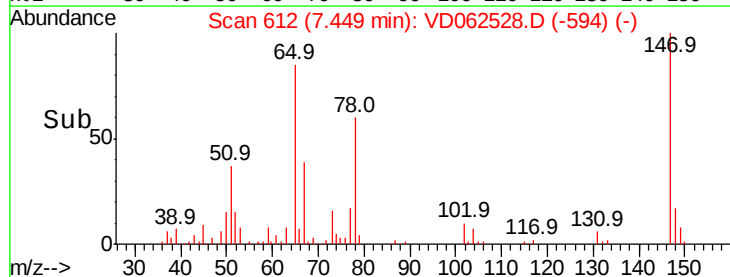
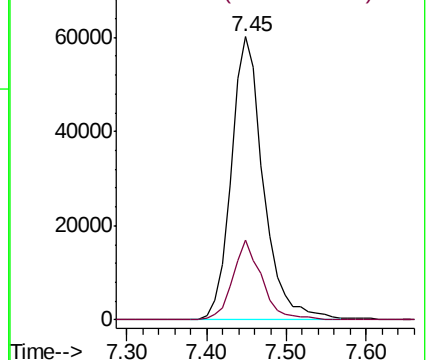
78 100

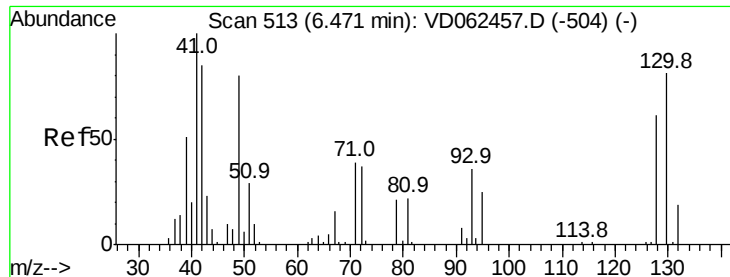
77 28.1 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 23.907 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.04 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBS01

Tot Ion: 41 Resp: 45382

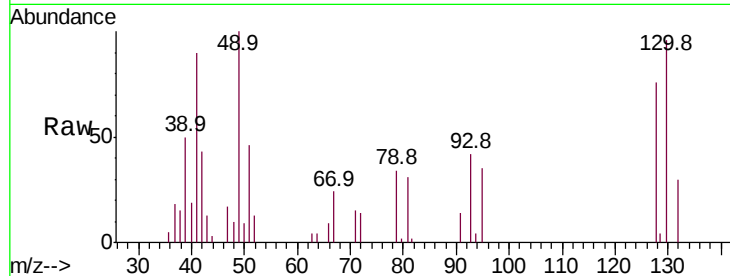
Ion Ratio Lower Upper

41 100

39 55.6 34.1 51.1#

67 26.4 23.8 35.6

52 14.5 8.8 13.2#

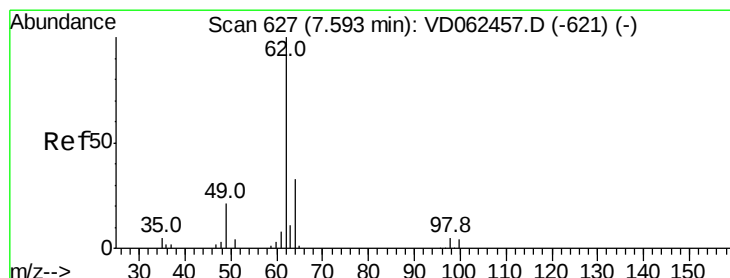
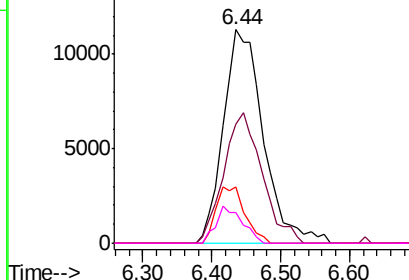
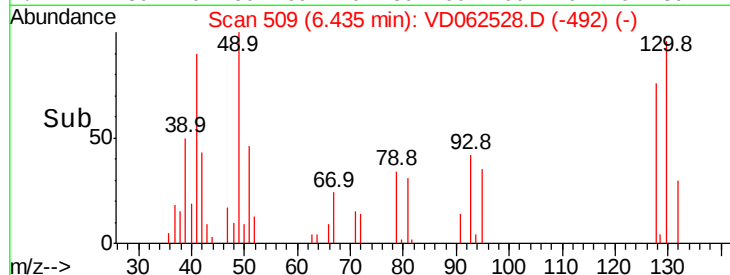


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 27.275 ug/l

RT: 7.58 min Scan# 625

Delta R.T. -0.02 min

Lab File: VD062528.D

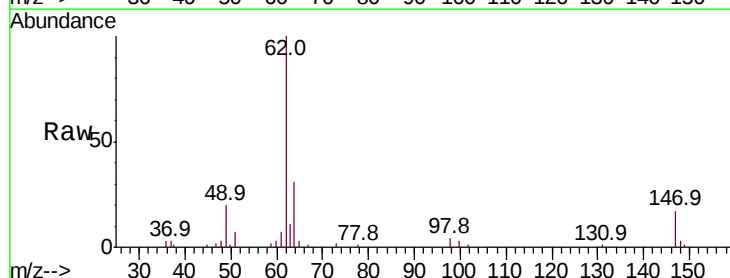
Acq: 24 May 2019 13:33

Tgt Ion: 62 Resp: 110223

Ion Ratio Lower Upper

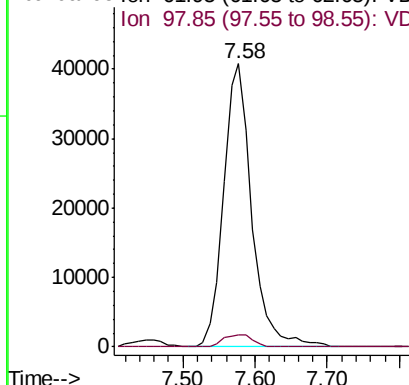
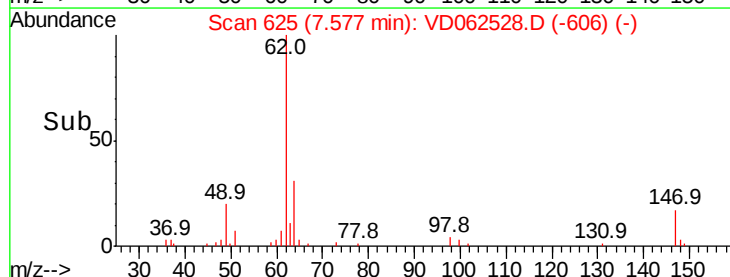
62 100

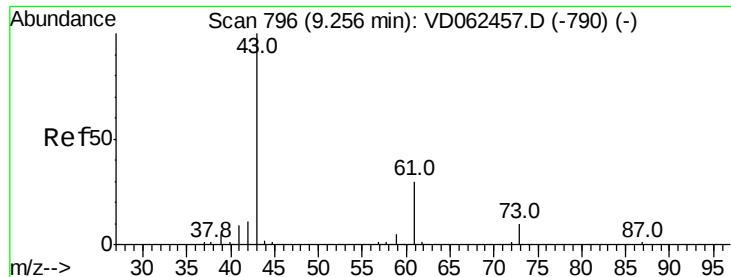
98 4.2 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 23.342 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.02 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBS01

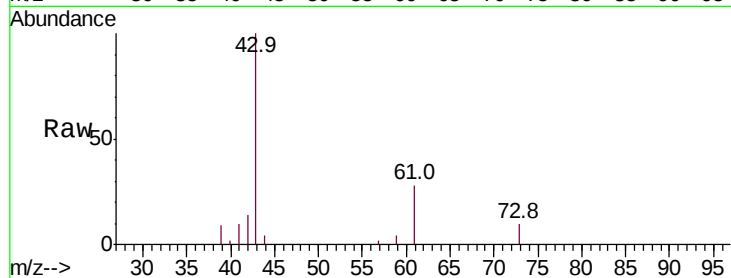
Tot Ion: 43 Resp: 46803

Ion Ratio Lower Upper

43 100

61 28.3 25.1 37.7

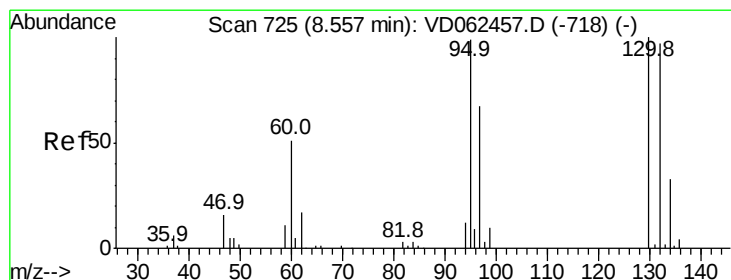
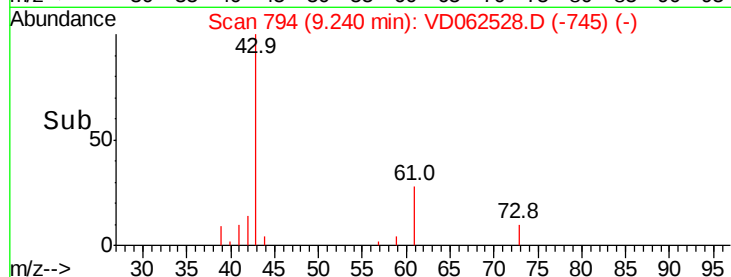
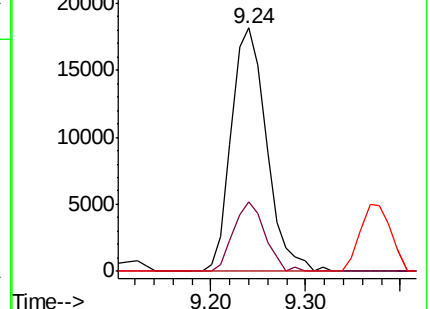
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 22.672 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.02 min

Lab File: VD062528.D

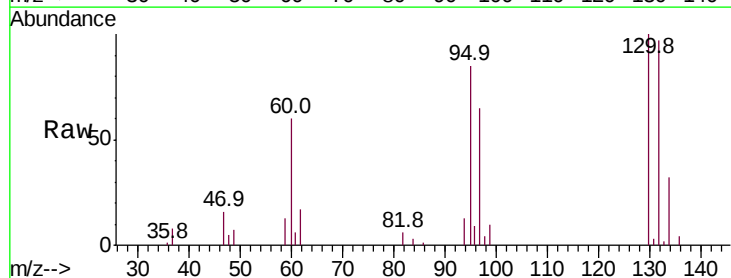
Acq: 24 May 2019 13:33

Tgt Ion: 130 Resp: 69277

Ion Ratio Lower Upper

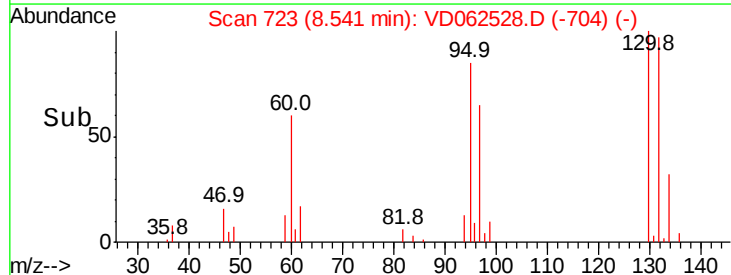
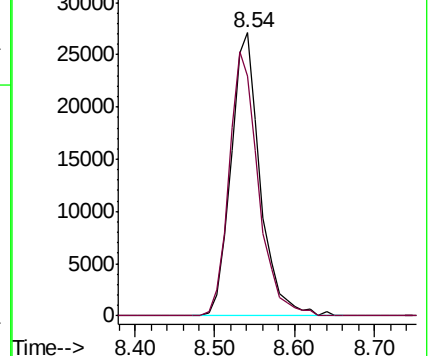
130 100

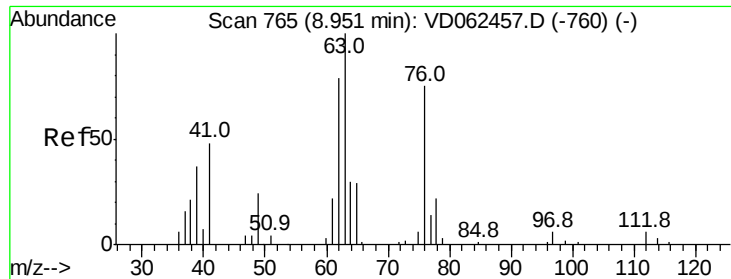
95 84.7 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.822 ug/l

RT: 8.93 min Scan# 763

Delta R.T. -0.02 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

Instrument :

MSVOA_D

ClientSampleId :

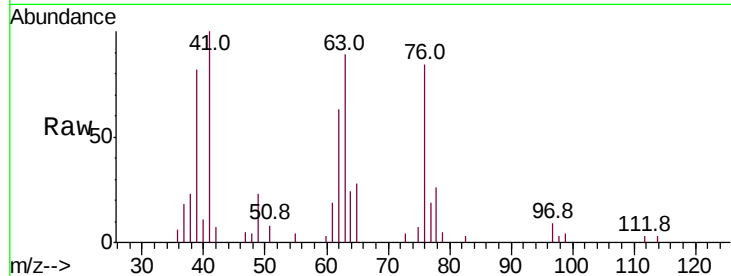
VD0524SBS01

Tot Ion: 63 Resp: 40584

Ion Ratio Lower Upper

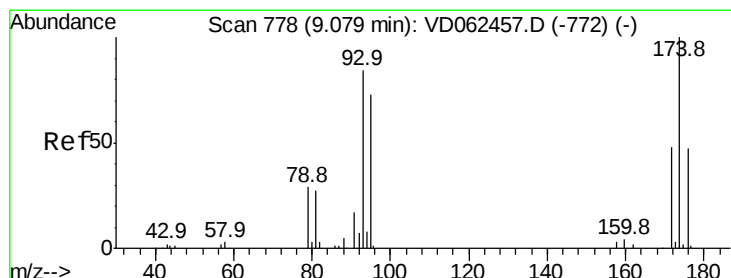
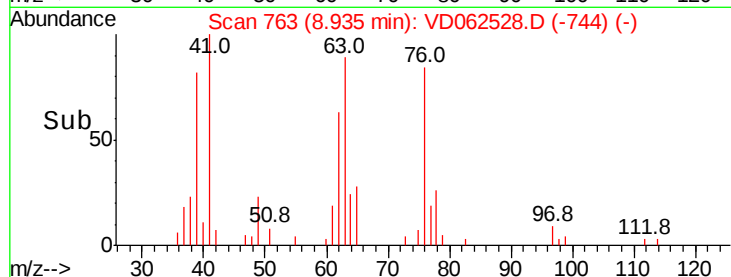
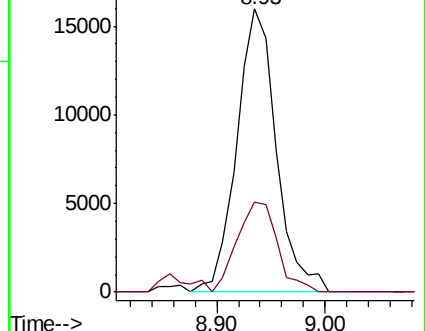
63 100

65 31.8 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 23.375 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.02 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

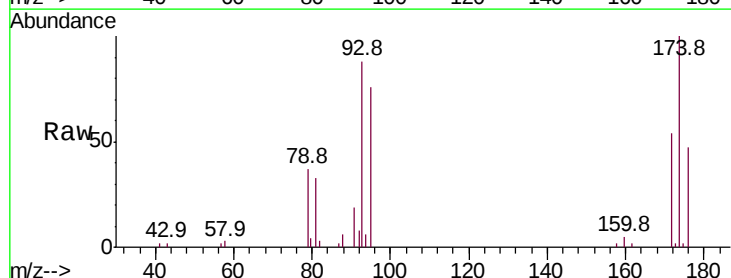
Tgt Ion: 93 Resp: 39406

Ion Ratio Lower Upper

93 100

95 86.6 64.8 97.2

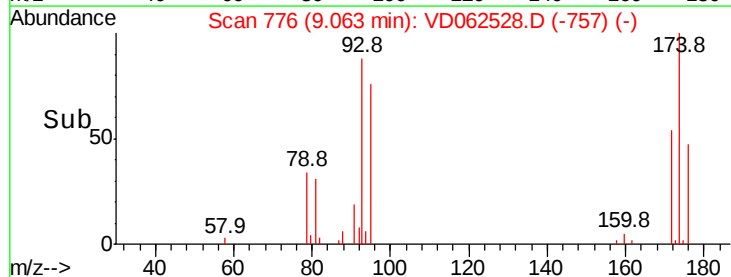
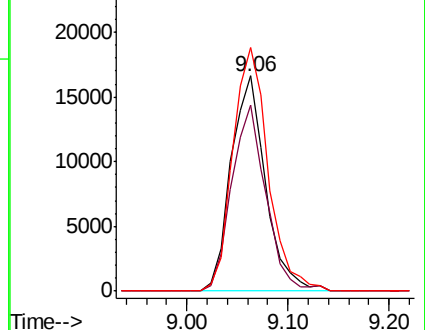
174 113.3 79.3 118.9

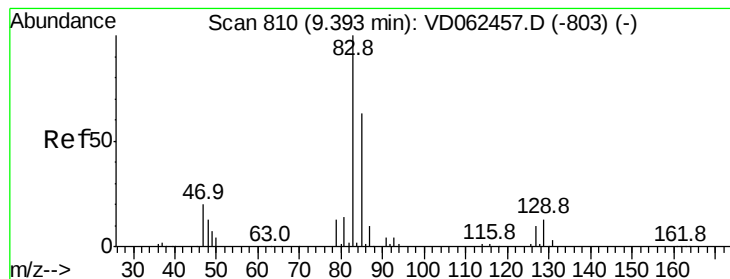


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 26.396 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.03 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBS01

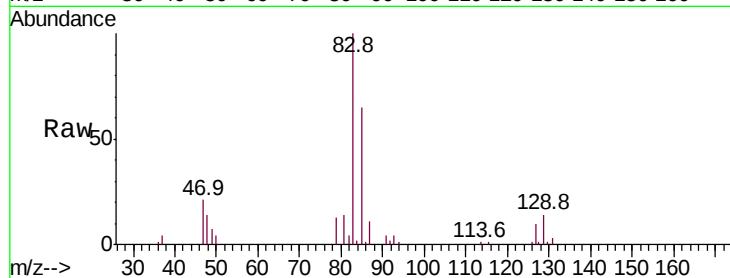
Tot Ion: 83 Resp: 113204

Ion Ratio Lower Upper

83 100

85 64.5 50.9 76.3

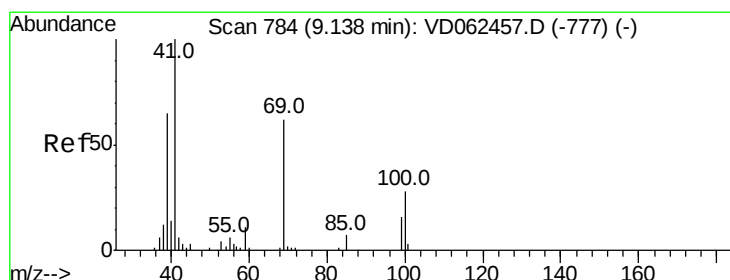
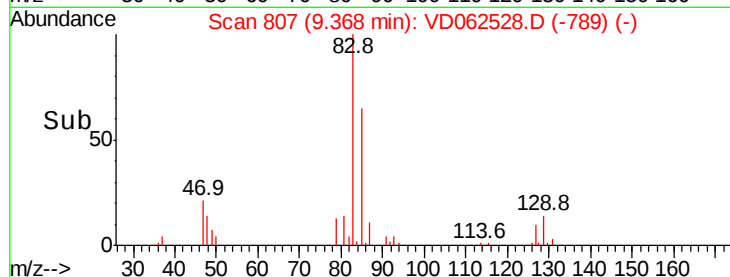
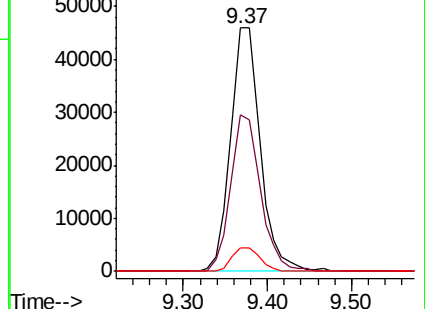
127 9.8 8.1 12.1



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 24.705 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.02 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

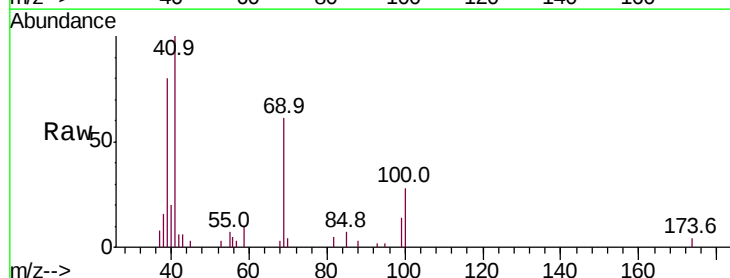
Tgt Ion: 41 Resp: 33336

Ion Ratio Lower Upper

41 100

69 61.1 64.2 96.2#

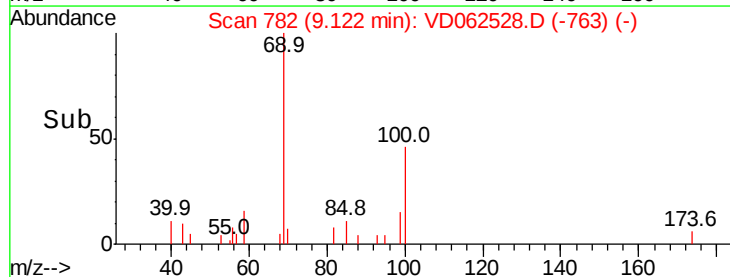
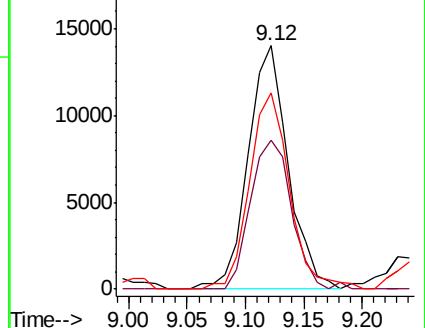
39 80.5 46.8 70.2#

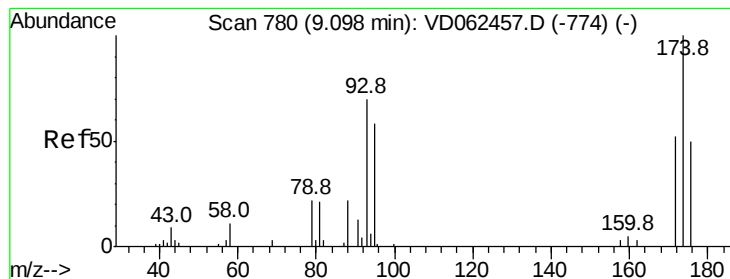


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 460.130 ug/l

RT: 9.08 min Scan# 778

Delta R.T. -0.02 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBS01

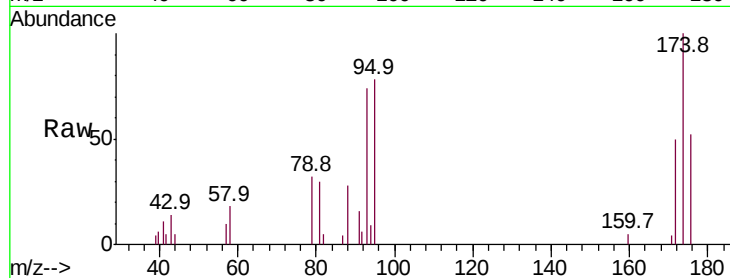
Tot Ion: 88 Resp: 5569

Ion Ratio Lower Upper

88 100

43 48.7 23.4 35.0#

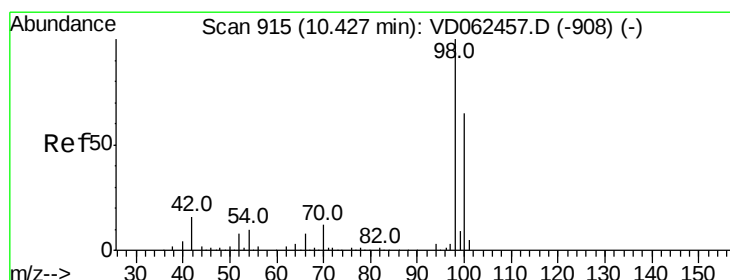
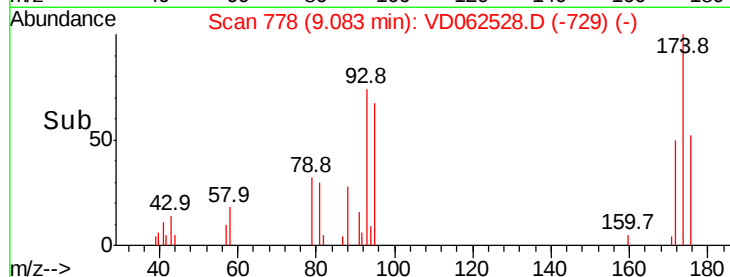
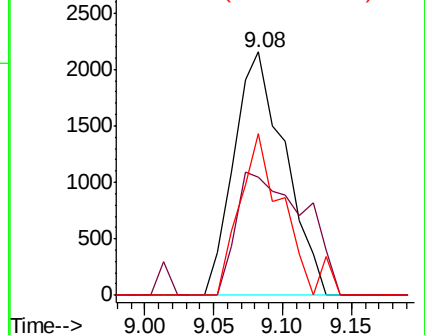
58 66.3 44.0 66.0#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 59.211 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.02 min

Lab File: VD062528.D

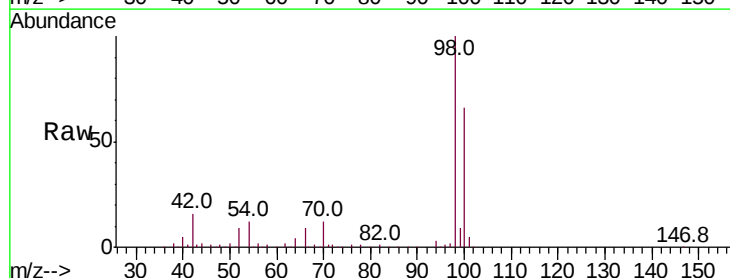
Acq: 24 May 2019 13:33

Tgt Ion: 98 Resp: 475696

Ion Ratio Lower Upper

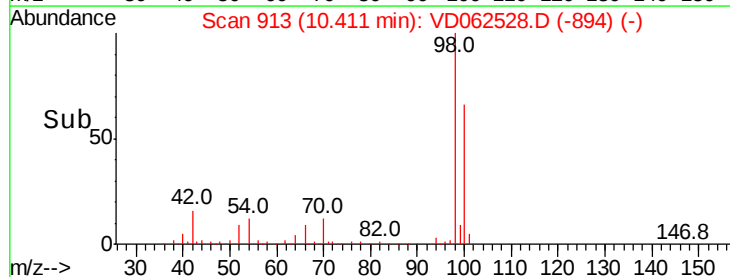
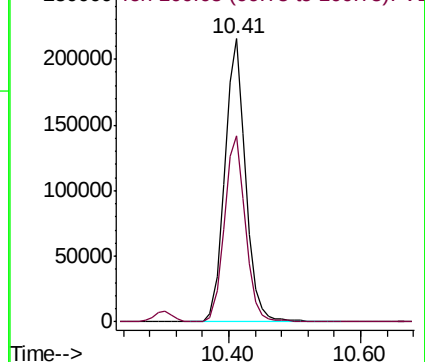
98 100

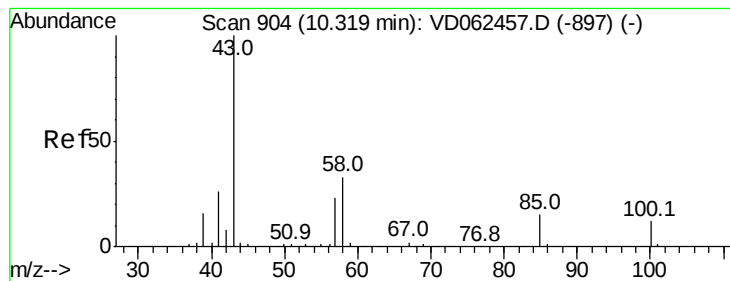
100 65.8 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 119.764 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.02 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

Instrument :

MSVOA_D

ClientSampleId :

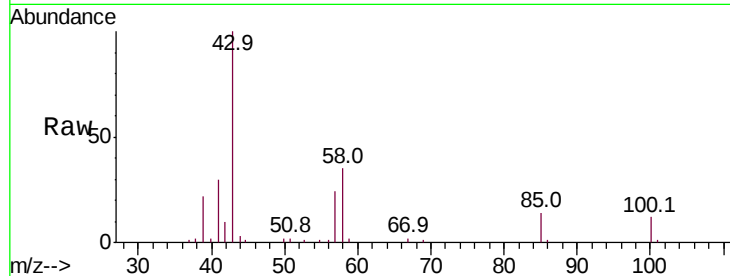
VD0524SBS01

Tot Ion: 43 Resp: 158641

Ion Ratio Lower Upper

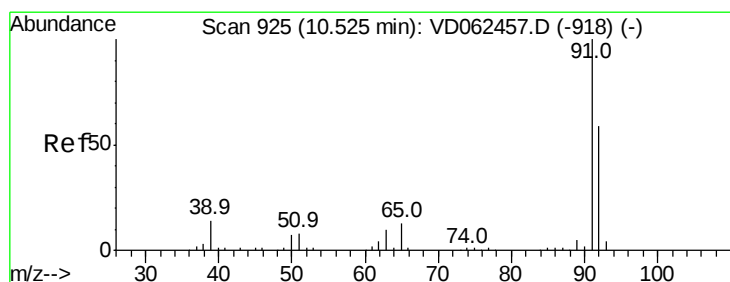
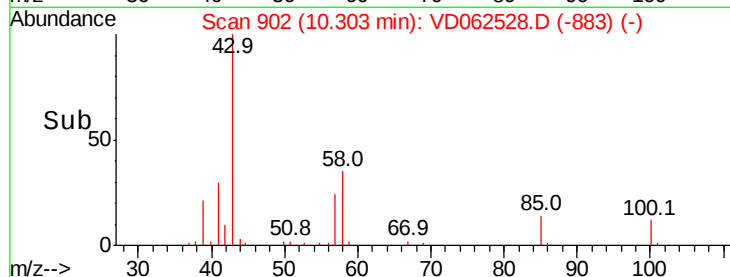
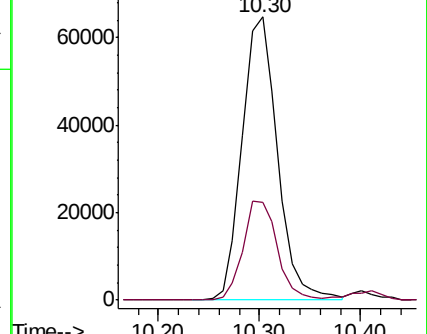
43 100

58 34.7 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 23.403 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.02 min

Lab File: VD062528.D

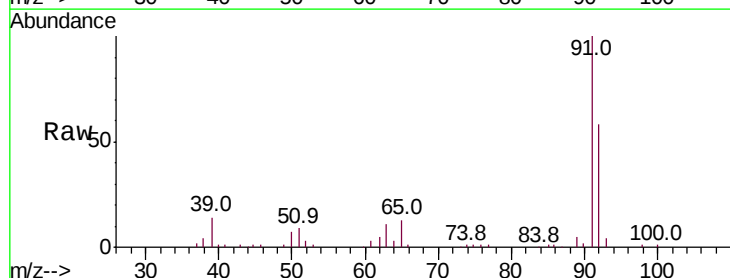
Acq: 24 May 2019 13:33

Tgt Ion: 92 Resp: 122269

Ion Ratio Lower Upper

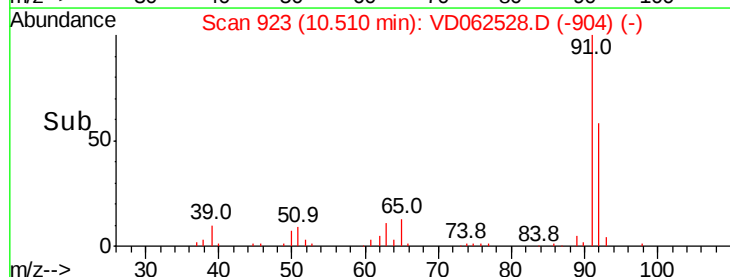
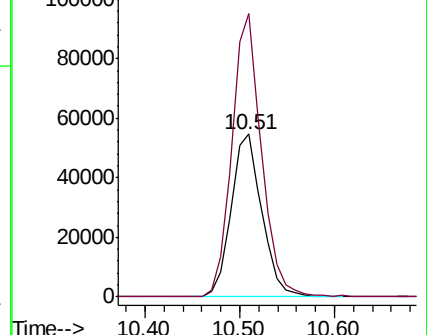
92 100

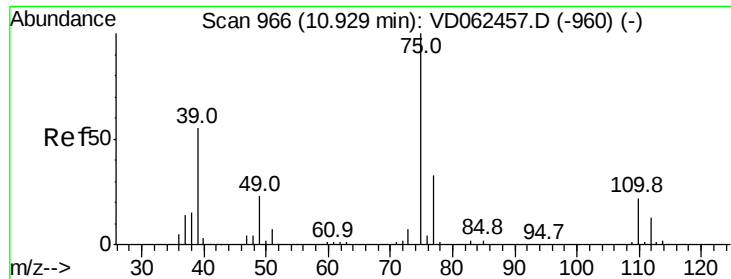
91 173.9 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

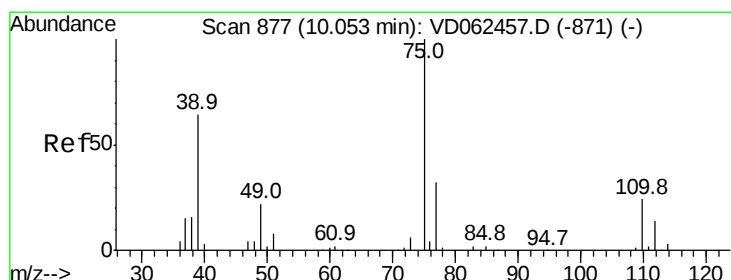
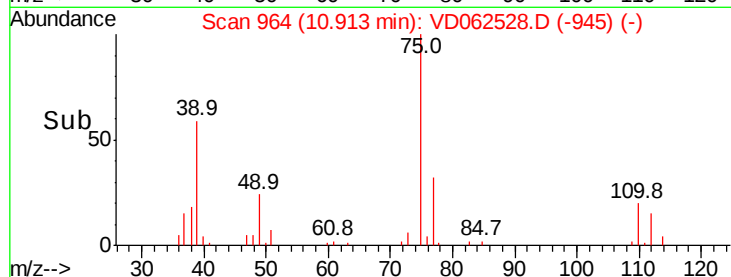
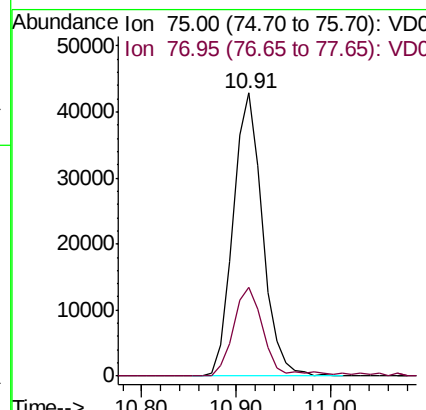
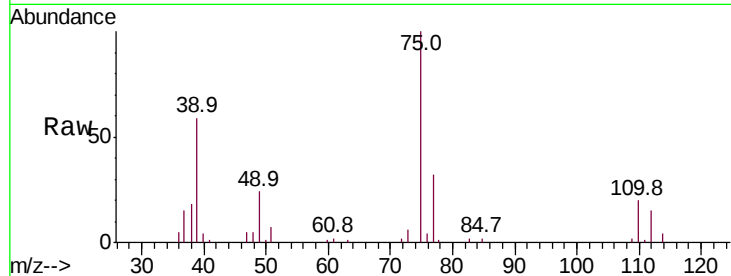




#53
 t-1,3-Dichloropropene
 Concen: 25.747 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. -0.02 min
 Lab File: VD062528.D
 Acq: 24 May 2019 13:33

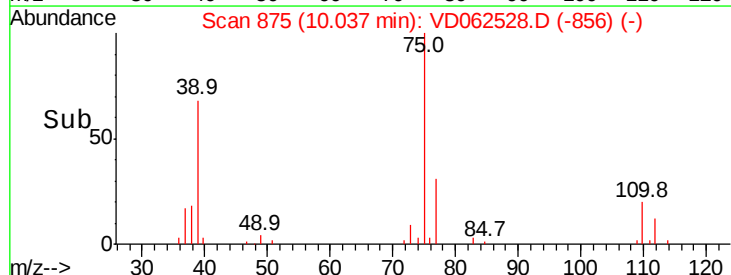
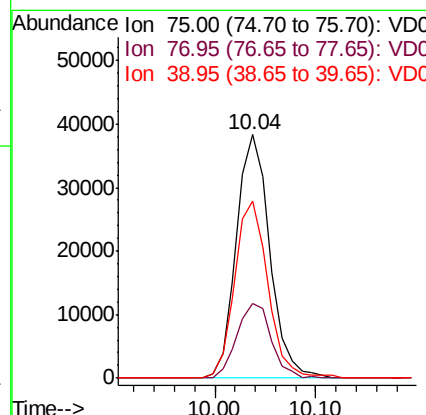
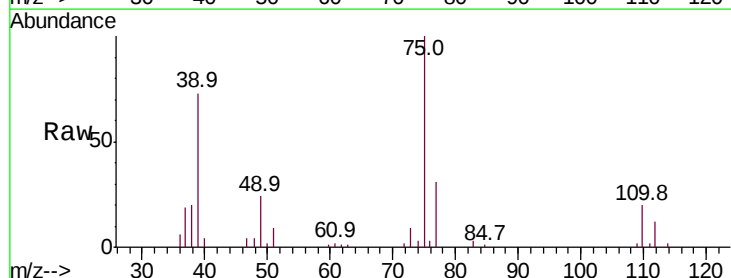
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBS01

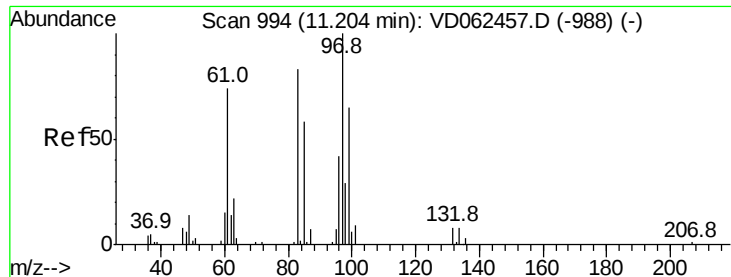
Tot Ion: 75 Resp: 91930
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 23.796 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.02 min
 Lab File: VD062528.D
 Acq: 24 May 2019 13:33

Tgt Ion: 75 Resp: 88654
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.5 38.3
 39 72.9 39.4 59.2#

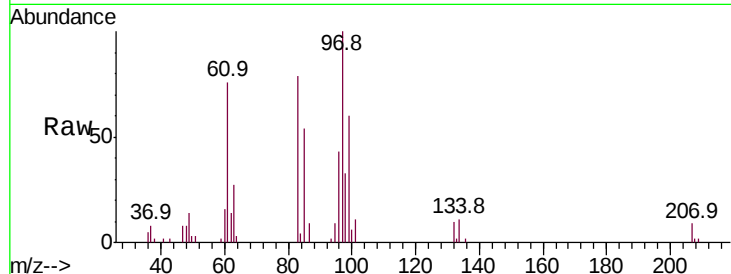




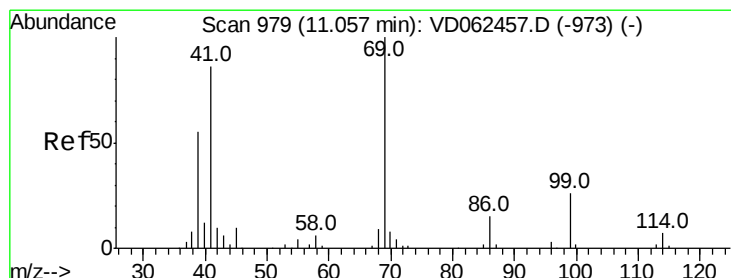
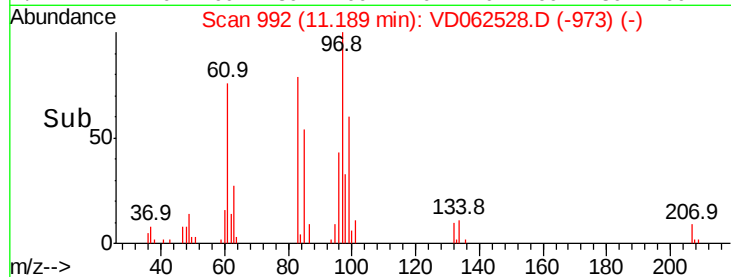
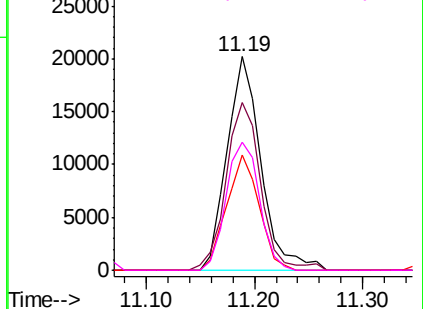
#55
 1,1,2-Trichloroethane
 Concen: 24.887 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.02 min
 Lab File: VD062528.D
 Acq: 24 May 2019 13:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBS01

Tot Ion:	97	Resp:	44067
Ion	Ratio	Lower	Upper
97	100		
83	78.5	65.7	98.5
85	54.2	45.6	68.4
99	59.9	48.4	72.6

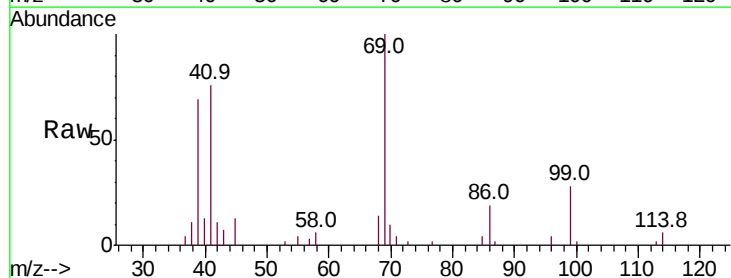


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

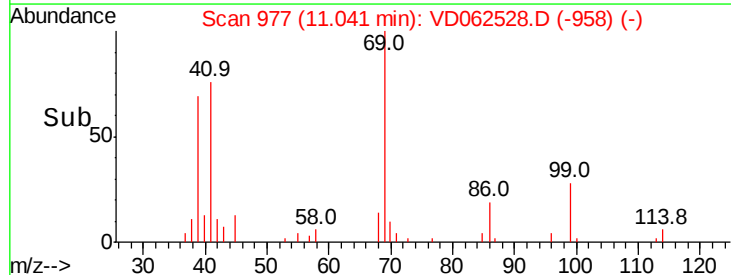
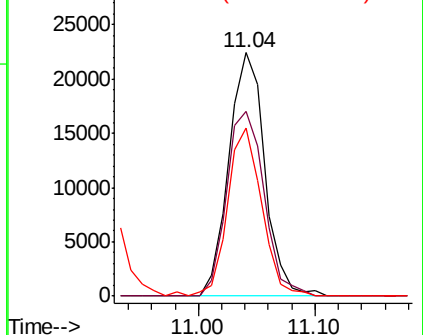


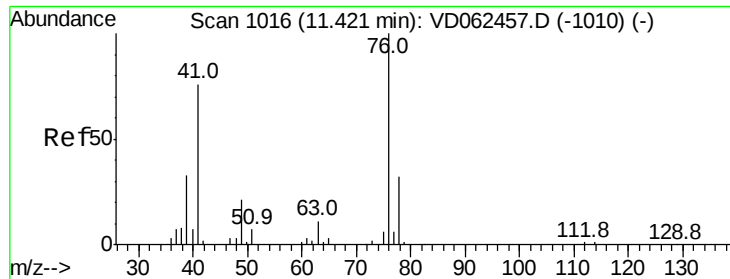
#56
 Ethyl methacrylate
 Concen: 25.285 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.02 min
 Lab File: VD062528.D
 Acq: 24 May 2019 13:33

Tgt Ion:	69	Resp:	47861
Ion	Ratio	Lower	Upper
69	100		
41	75.9	56.3	84.5
39	68.8	29.4	44.2#



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





#57

1,3-Dichloropropane

Concen: 23.133 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.02 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

Instrument :

MSVOA_D

ClientSampleId :

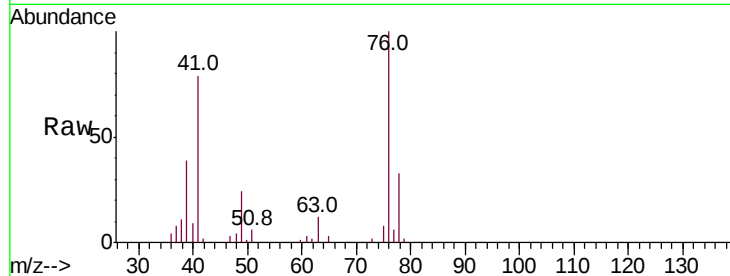
VD0524SBS01

Tot Ion: 76 Resp: 62819

Ion Ratio Lower Upper

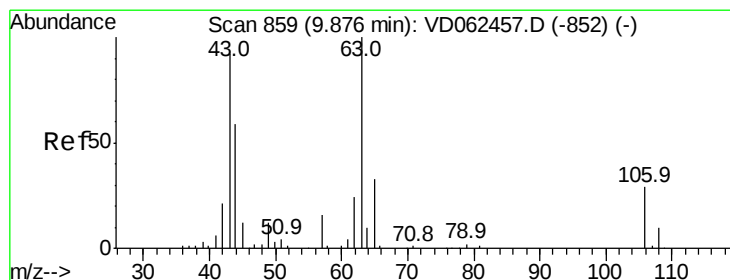
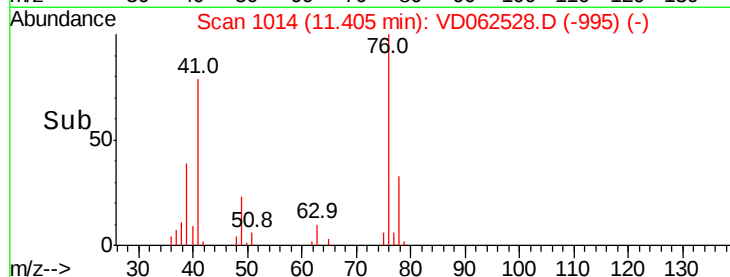
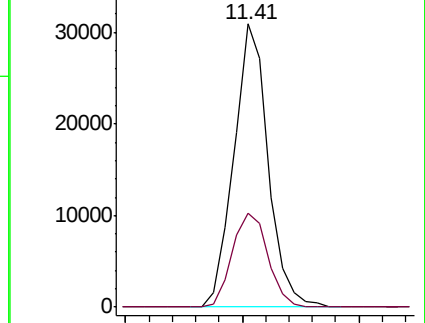
76 100

78 33.3 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 125.051 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.03 min

Lab File: VD062528.D

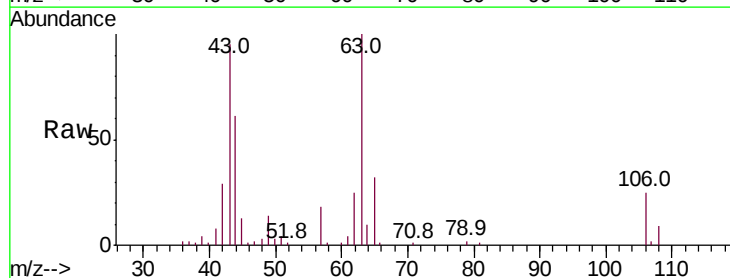
Acq: 24 May 2019 13:33

Tgt Ion: 63 Resp: 121548

Ion Ratio Lower Upper

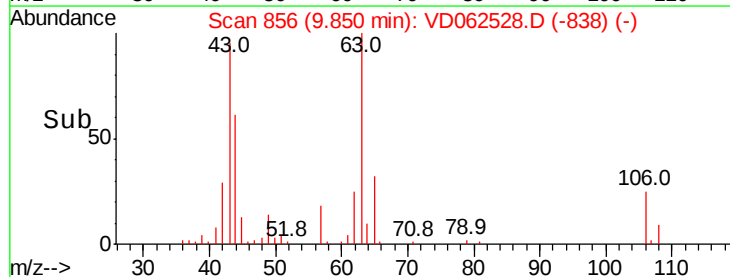
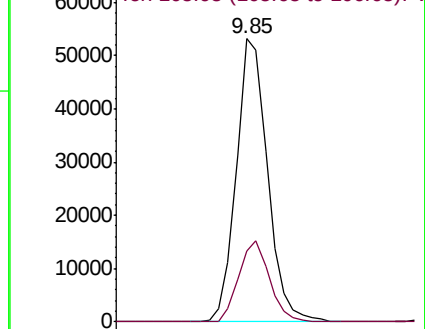
63 100

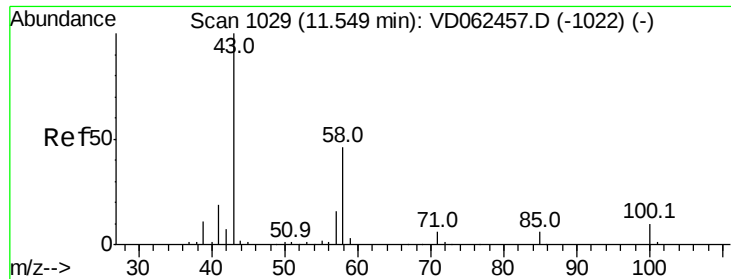
106 24.8 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

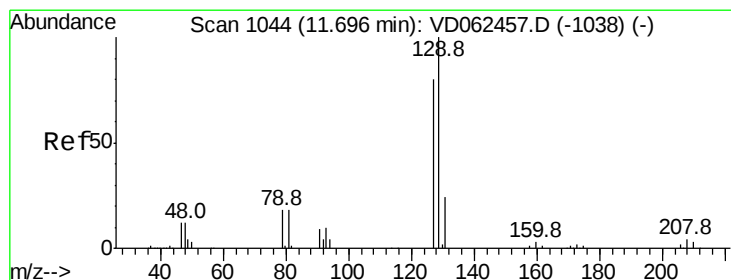
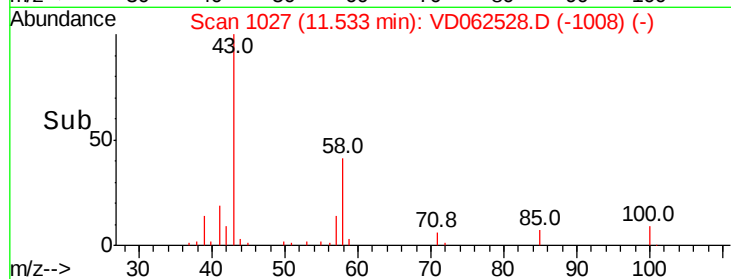
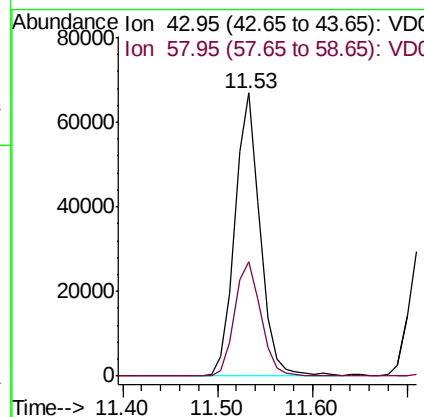
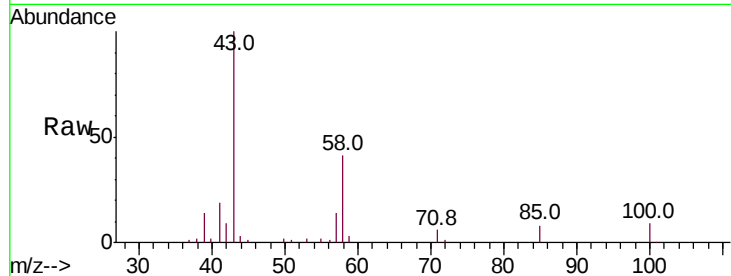




#59
2-Hexanone
Concen: 128.028 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.02 min
Lab File: VD062528.D
Acq: 24 May 2019 13:33

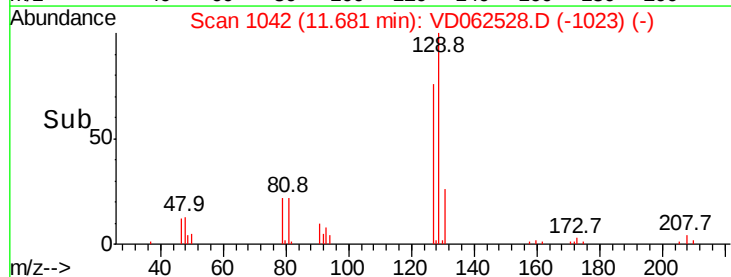
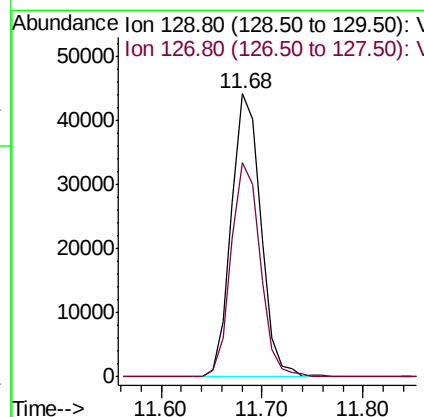
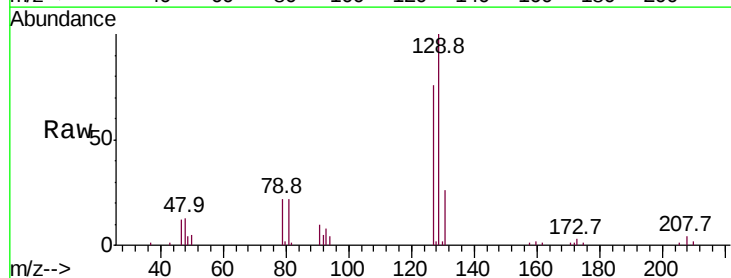
Instrument :
MSVOA_D
ClientSampleId :
VD0524SBS01

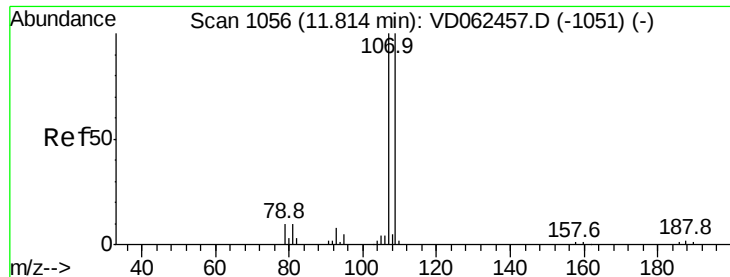
Tot Ion: 43 Resp: 123253
Ion Ratio Lower Upper
43 100
58 40.6 25.4 76.4



#60
Dibromochloromethane
Concen: 26.335 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD062528.D
Acq: 24 May 2019 13:33

Tgt Ion:129 Resp: 89565
Ion Ratio Lower Upper
129 100
127 75.9 38.0 113.9

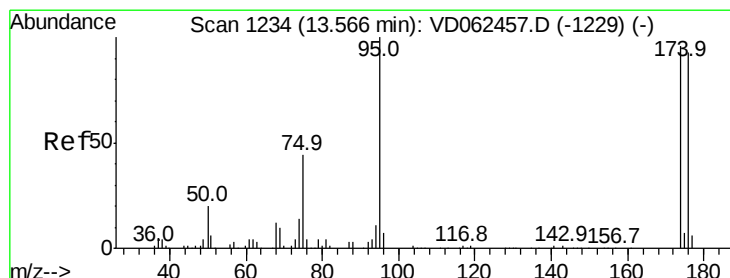
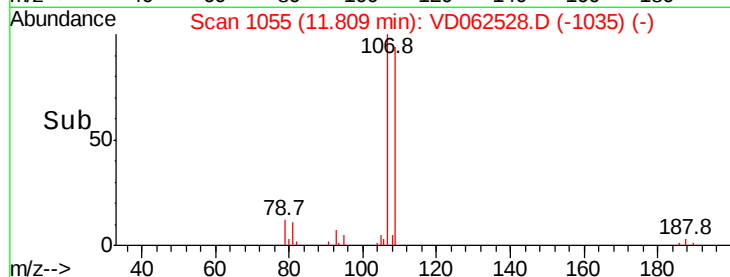
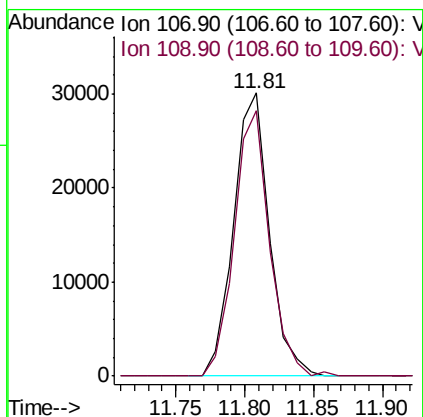
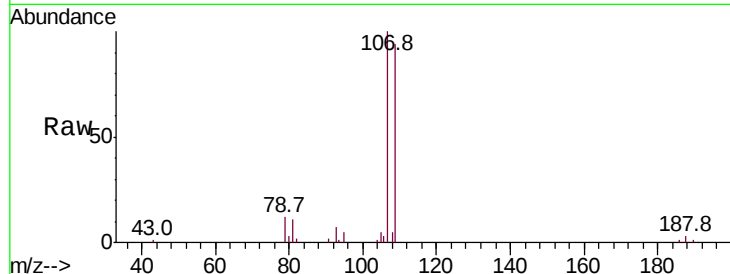




#61
1,2-Dibromoethane
Concen: 24.915 ug/l
RT: 11.81 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VD062528.D
Acq: 24 May 2019 13:33

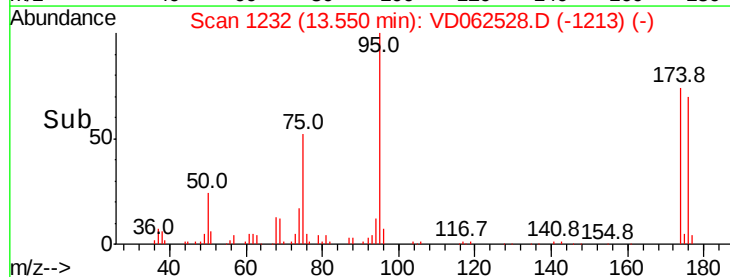
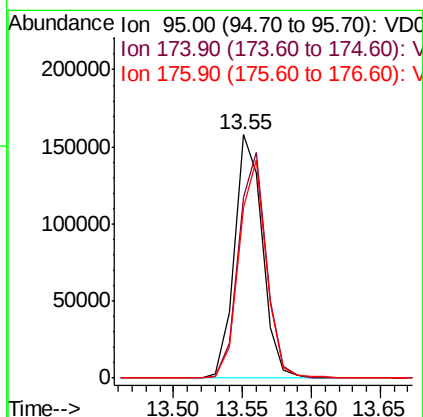
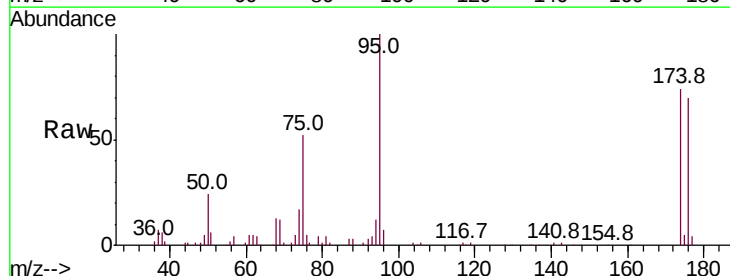
Instrument :
MSVOA_D
ClientSampleId :
VD0524SBS01

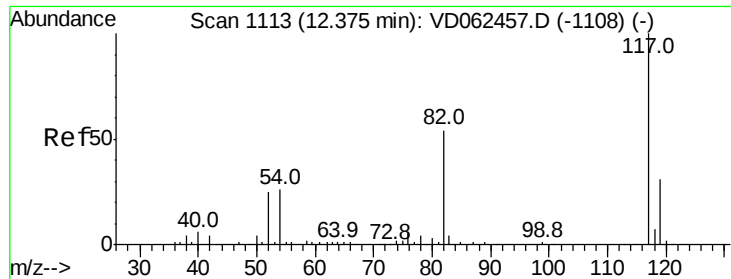
Tot Ion:107 Resp: 54368
Ion Ratio Lower Upper
107 100
109 93.6 78.3 117.5



#62
4-Bromofluorobenzene
Concen: 63.417 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.02 min
Lab File: VD062528.D
Acq: 24 May 2019 13:33

Tgt Ion: 95 Resp: 222866
Ion Ratio Lower Upper
95 100
174 74.2 0.0 181.8
176 70.2 0.0 174.4

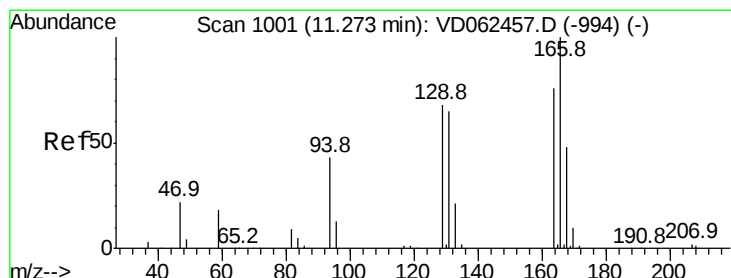
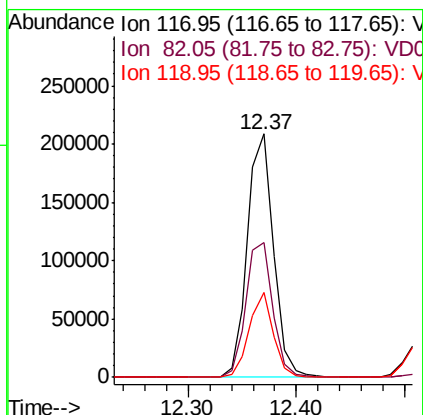
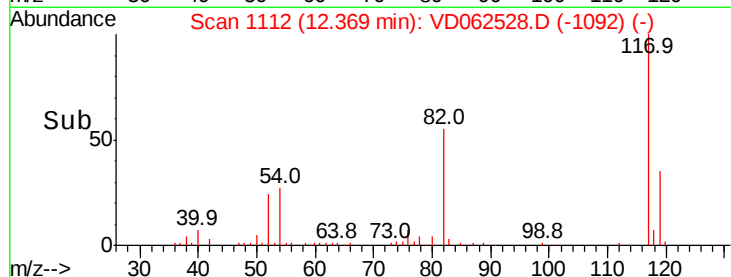
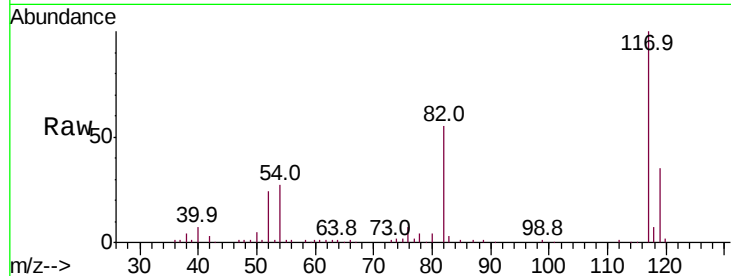




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062528.D
Acq: 24 May 2019 13:33

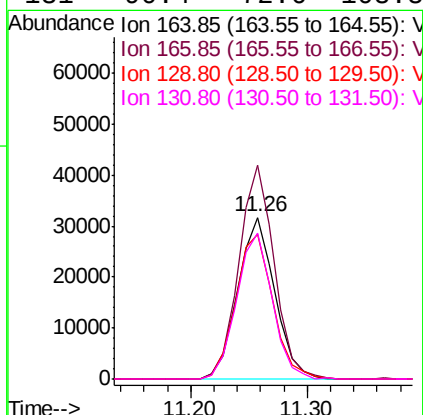
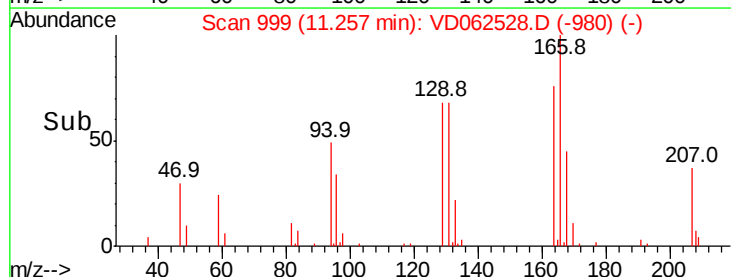
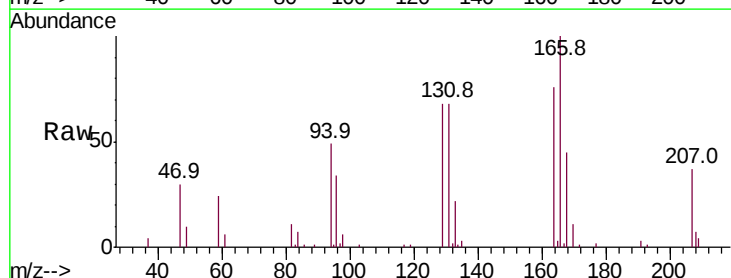
Instrument :
MSVOA_D
ClientSampleId :
VD0524SBS01

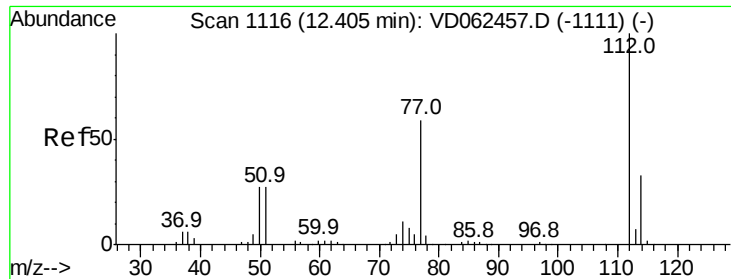
Tot Ion:117 Resp: 350889
Ion Ratio Lower Upper
117 100
82 55.2 36.2 54.2#
119 34.8 26.2 39.4



#64
Tetrachloroethene
Concen: 23.662 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.02 min
Lab File: VD062528.D
Acq: 24 May 2019 13:33

Tgt Ion:164 Resp: 69520
Ion Ratio Lower Upper
164 100
166 132.3 101.5 152.3
129 89.4 74.6 112.0
131 90.4 72.6 108.8

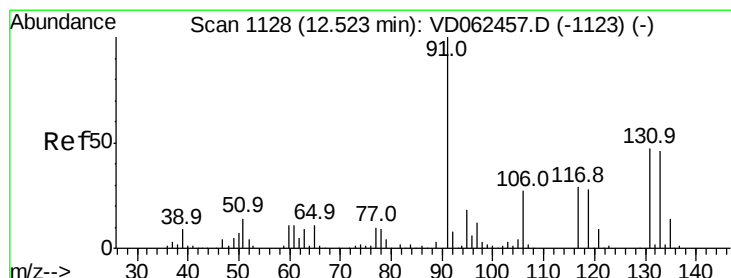
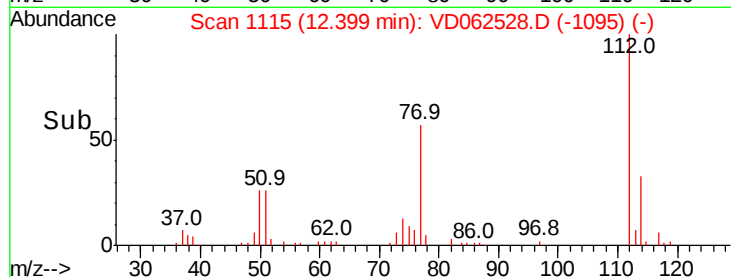
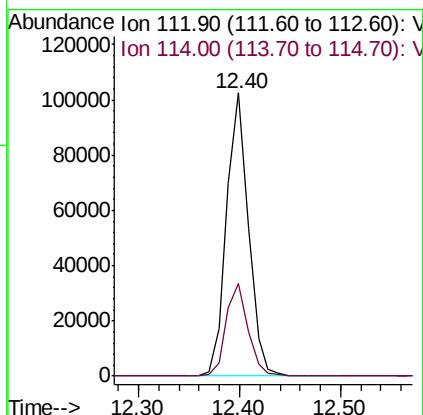
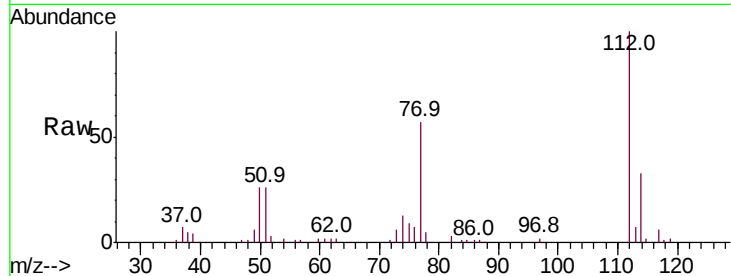




#65
Chlorobenzene
Concen: 22.928 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD062528.D
Acq: 24 May 2019 13:33

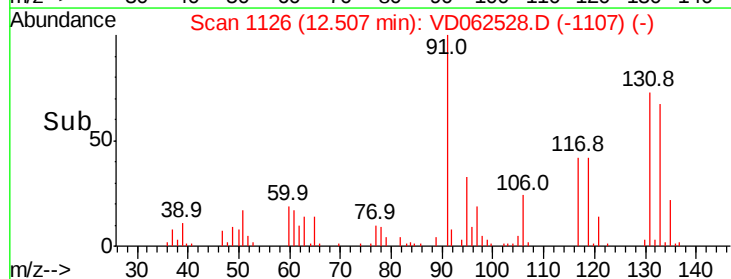
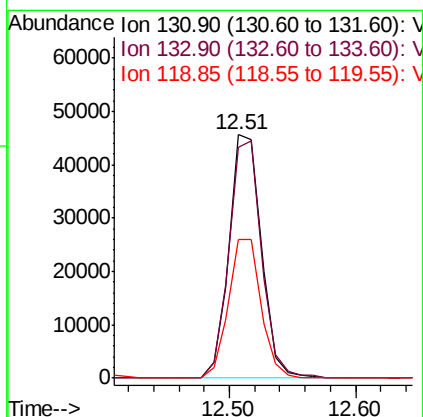
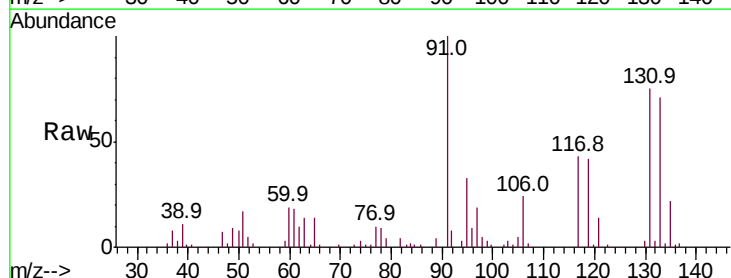
Instrument :
MSVOA_D
ClientSampleId :
VD0524SBS01

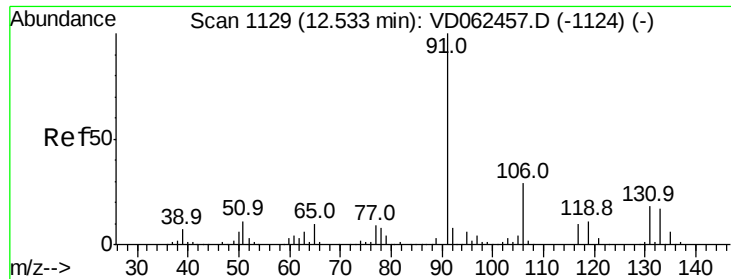
Tot Ion:112 Resp: 154711
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 25.739 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD062528.D
Acq: 24 May 2019 13:33

Tgt Ion:131 Resp: 80170
Ion Ratio Lower Upper
131 100
133 94.7 48.6 145.8
119 56.9 34.7 104.1

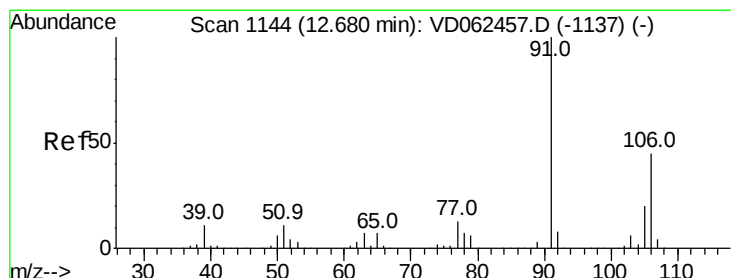
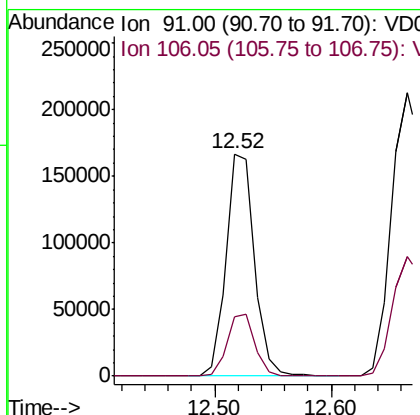
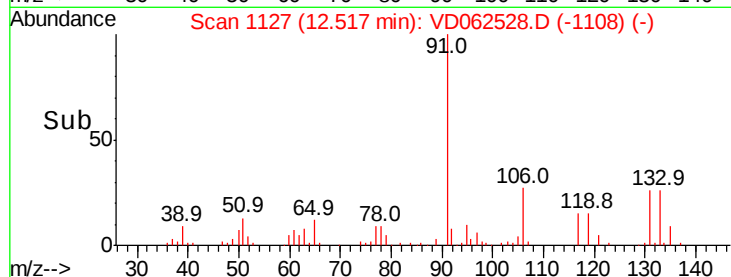
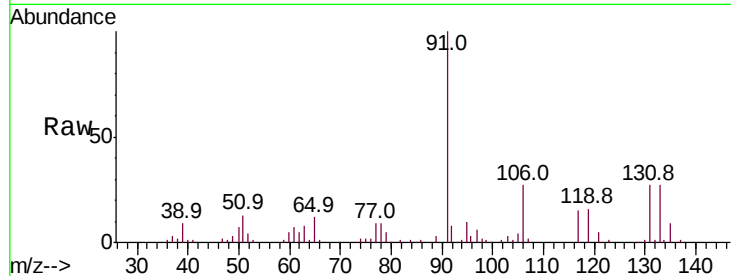




#67
Ethyl Benzene
Concen: 24.185 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD062528.D
Acq: 24 May 2019 13:33

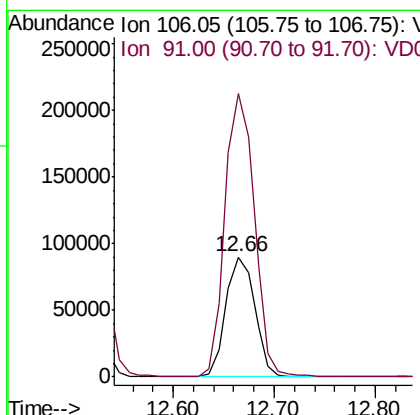
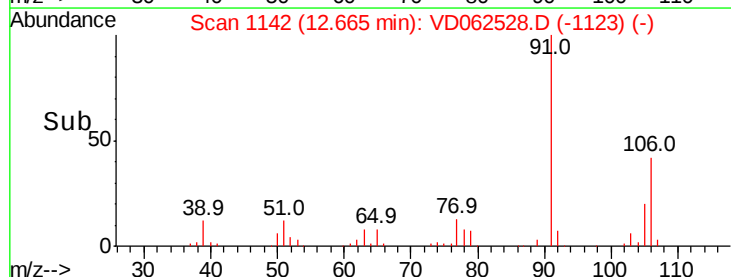
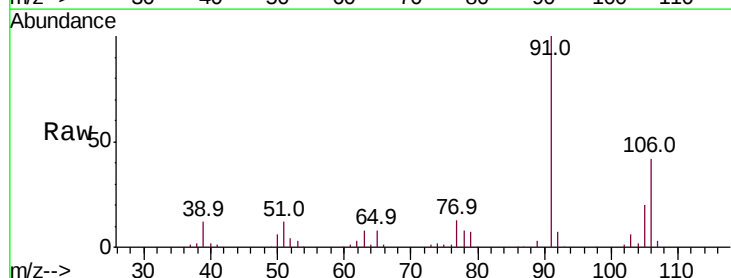
Instrument :
MSVOA_D
ClientSampleId :
VD0524SBS01

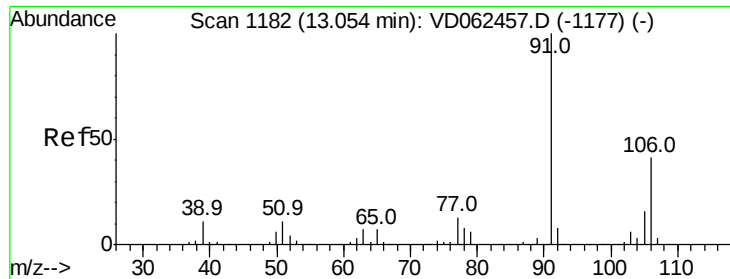
Tot Ion: 91 Resp: 281093
Ion Ratio Lower Upper
91 100
106 26.8 24.7 37.1



#68
m/p-Xylenes
Concen: 43.469 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD062528.D
Acq: 24 May 2019 13:33

Tgt Ion: 106 Resp: 181356
Ion Ratio Lower Upper
106 100
91 235.8 164.0 246.0

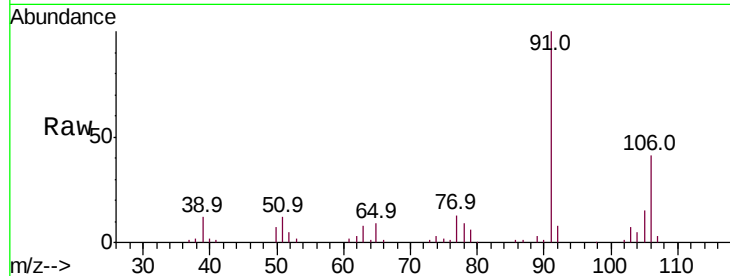




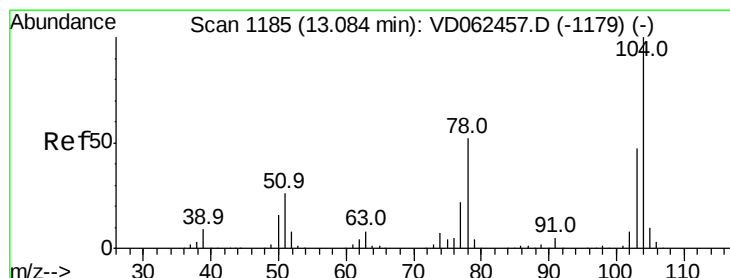
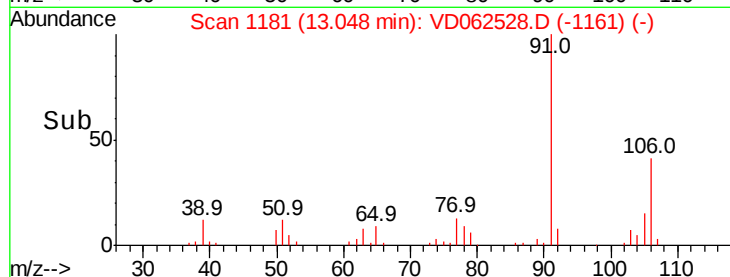
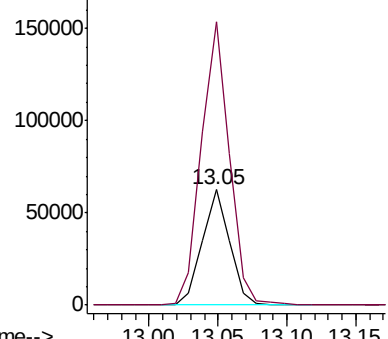
#69
o-Xylene
Concen: 22.235 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062528.D
Acq: 24 May 2019 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD0524SBS01

Tot Ion:106 Resp: 87526
Ion Ratio Lower Upper
106 100
91 245.4 106.7 319.9

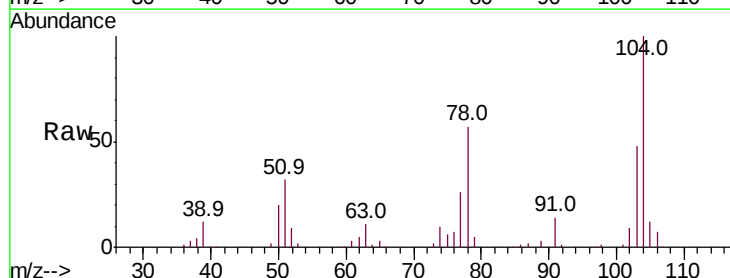


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

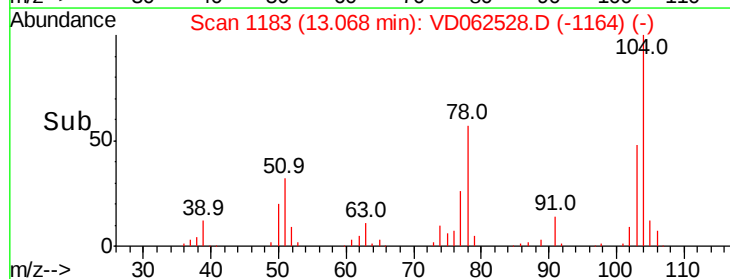
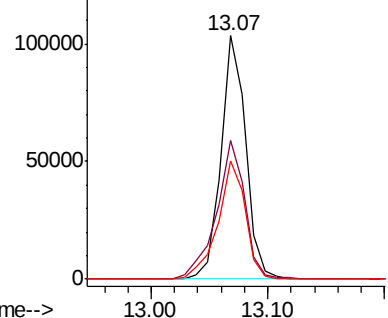


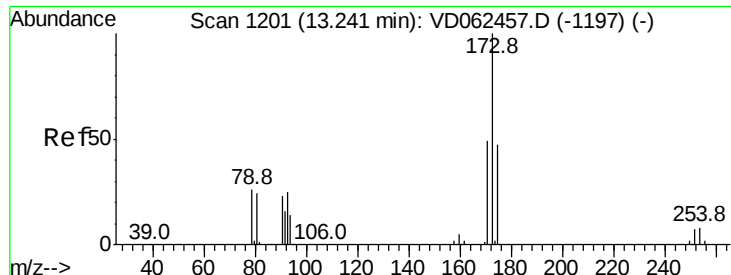
#70
Styrene
Concen: 22.641 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.02 min
Lab File: VD062528.D
Acq: 24 May 2019 13:33

Tgt Ion:104 Resp: 151617
Ion Ratio Lower Upper
104 100
78 56.9 35.4 53.2#
103 48.5 37.5 56.3



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

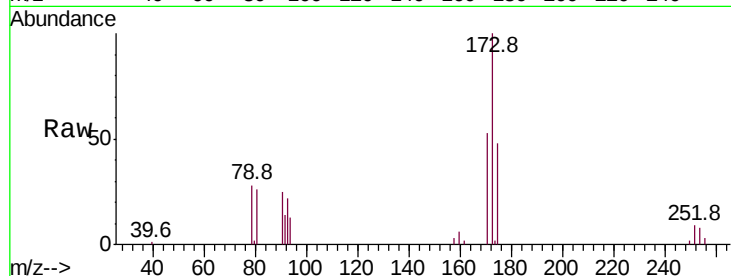




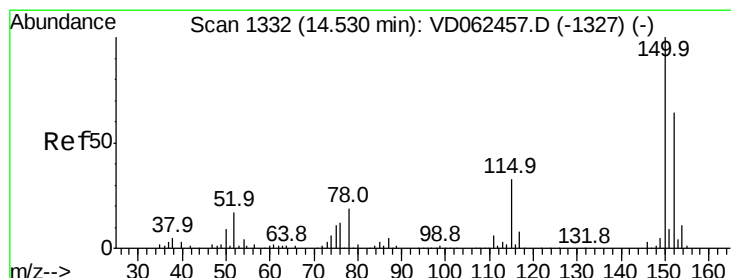
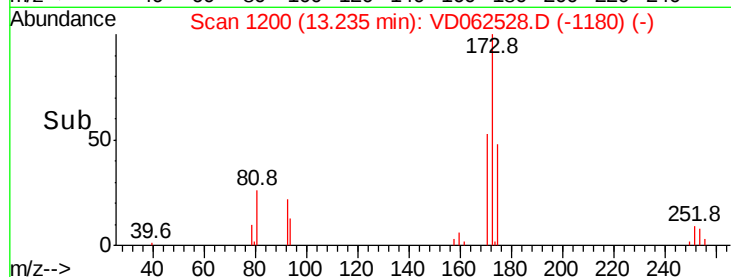
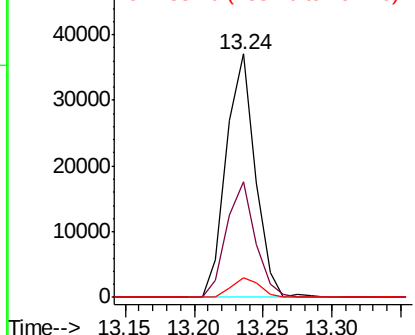
#71
Bromoform
Concen: 26.182 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VD062528.D
Acq: 24 May 2019 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD0524SBS01

Tot Ion:173 Resp: 54159
Ion Ratio Lower Upper
173 100
175 47.5 24.4 73.4
254 7.8 5.4 8.2

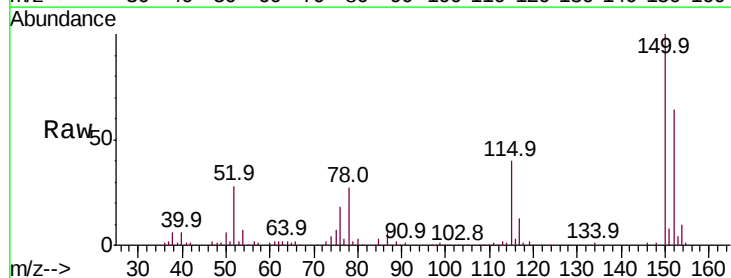


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

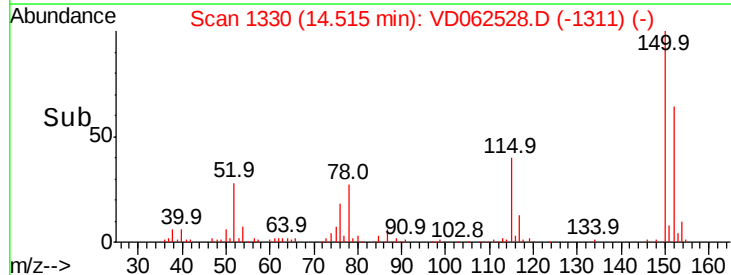
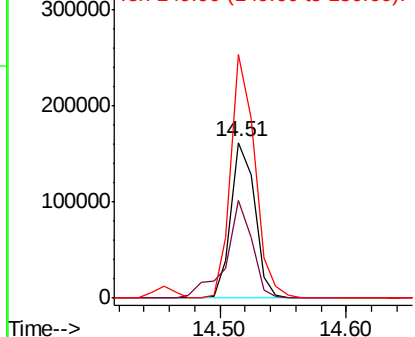


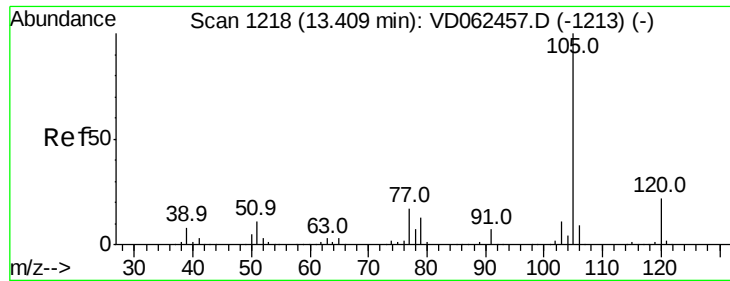
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.02 min
Lab File: VD062528.D
Acq: 24 May 2019 13:33

Tgt Ion:152 Resp: 211206
Ion Ratio Lower Upper
152 100
115 62.9 30.9 92.7
150 156.4 0.0 314.8



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: 21.541 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

Instrument :

MSVOA_D

ClientSampleId :

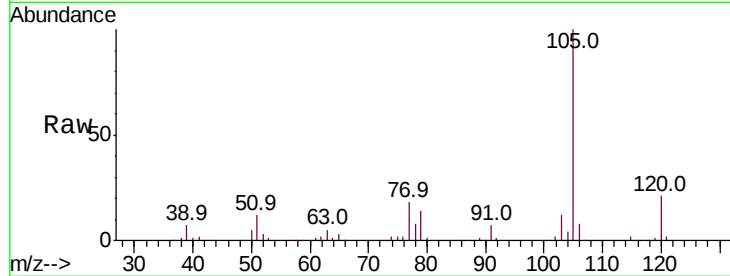
VD0524SBS01

Tot Ion:105 Resp: 286782

Ion Ratio Lower Upper

105 100

120 21.3 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

250000

200000

150000

100000

50000

0

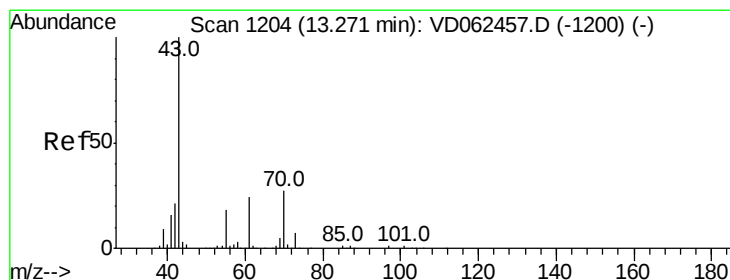
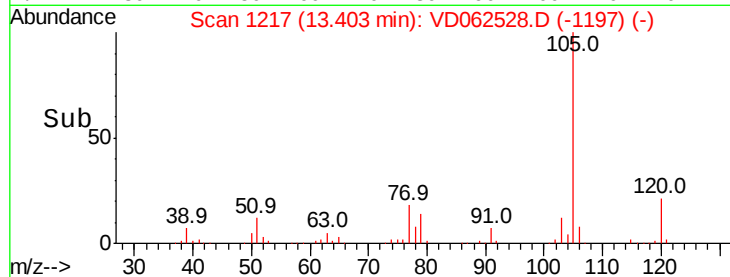
13.40

13.30

13.40

13.50

Time-->



#74

N-ethyl acetate

Concen: 20.732 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

Tgt Ion: 43 Resp: 68169

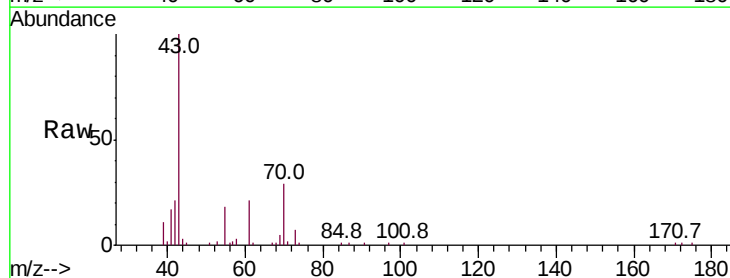
Ion Ratio Lower Upper

43 100

70 28.7 24.2 36.4

55 17.6 16.0 24.0

61 21.2 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

80000

60000

40000

20000

0

13.26

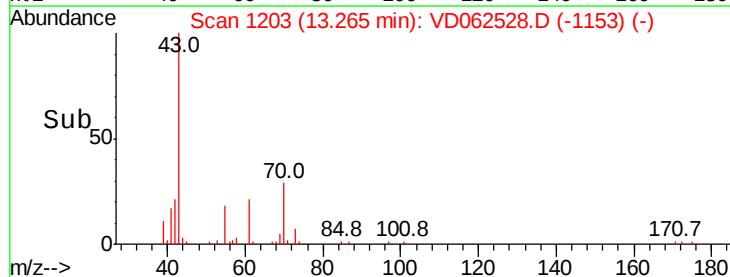
13.20

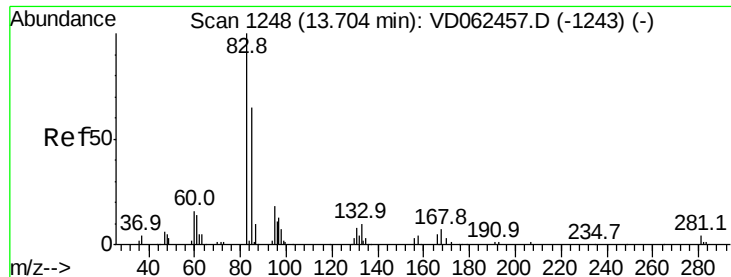
13.25

13.30

13.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.475 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBS01

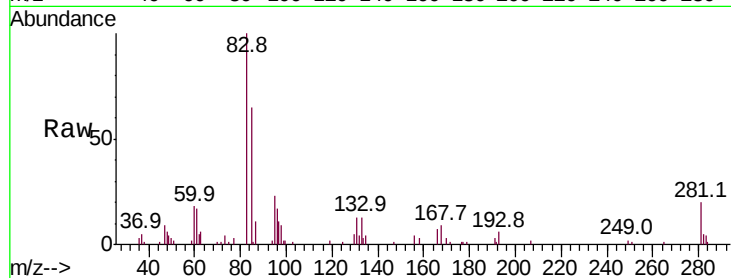
Tot Ion: 83 Resp: 46774

Ion Ratio Lower Upper

83 100

131 12.8 5.0 14.9

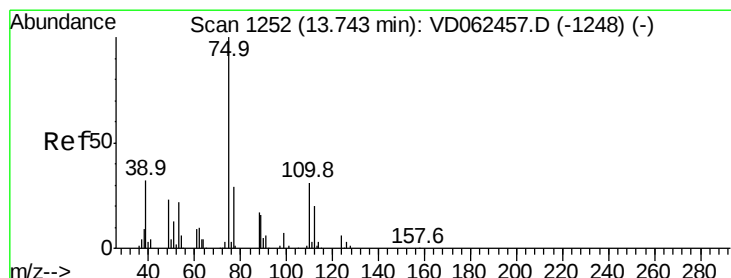
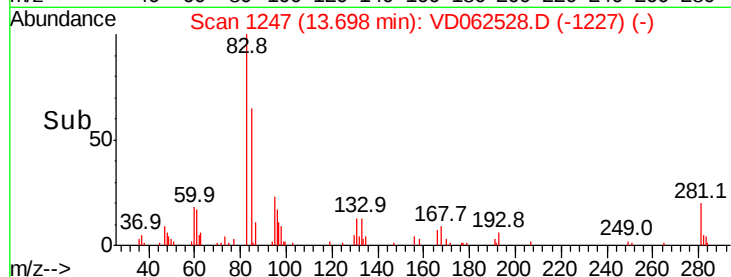
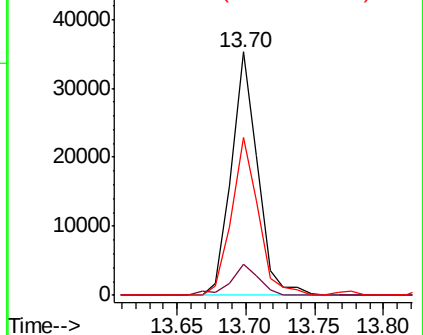
85 65.0 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 22.932 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.02 min

Lab File: VD062528.D

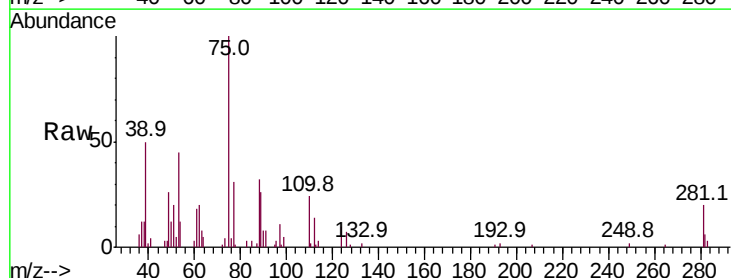
Acq: 24 May 2019 13:33

Tgt Ion: 75 Resp: 57050

Ion Ratio Lower Upper

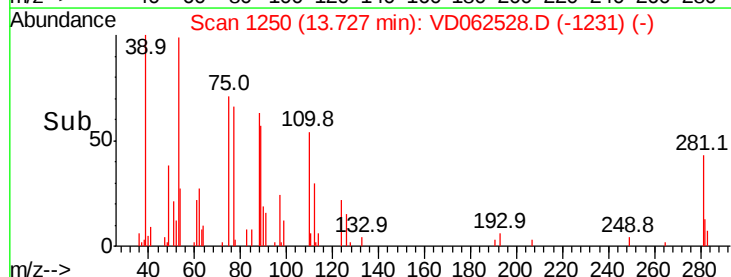
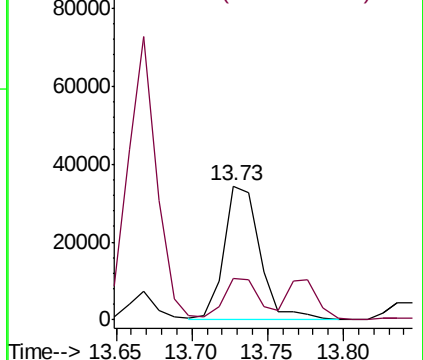
75 100

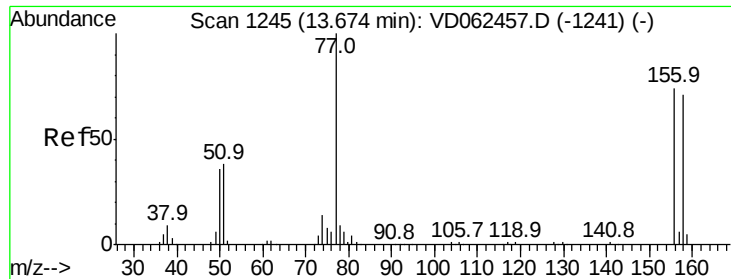
77 30.9 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.742 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBS01

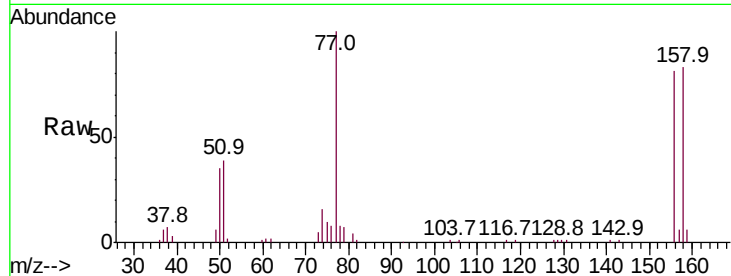
Tot Ion:156 Resp: 78335

Ion Ratio Lower Upper

156 100

77 123.0 53.1 159.4

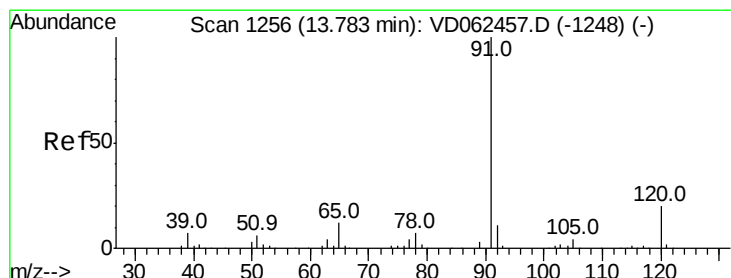
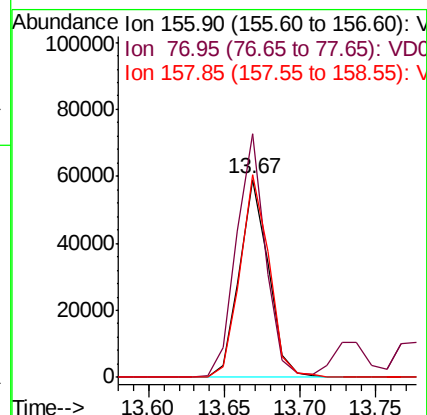
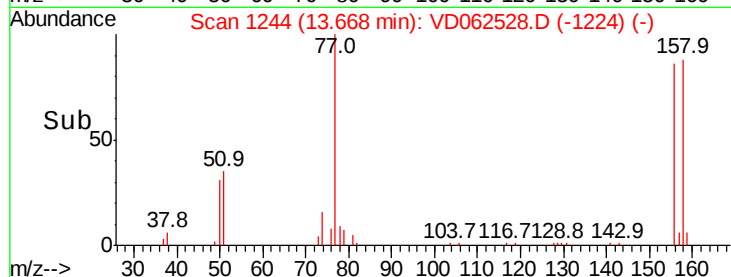
158 102.6 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.685 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VD062528.D

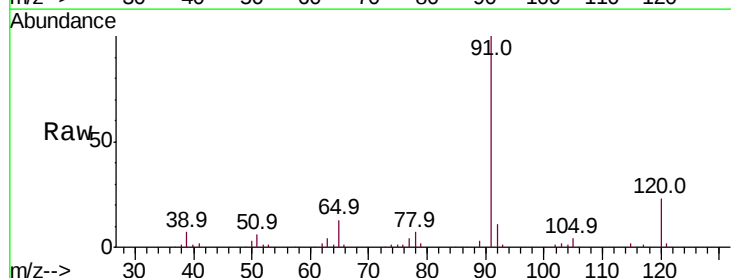
Acq: 24 May 2019 13:33

Tgt Ion: 91 Resp: 334406

Ion Ratio Lower Upper

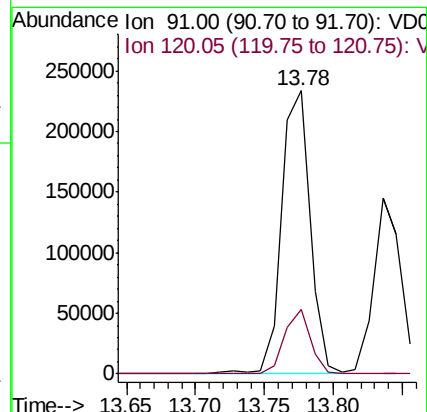
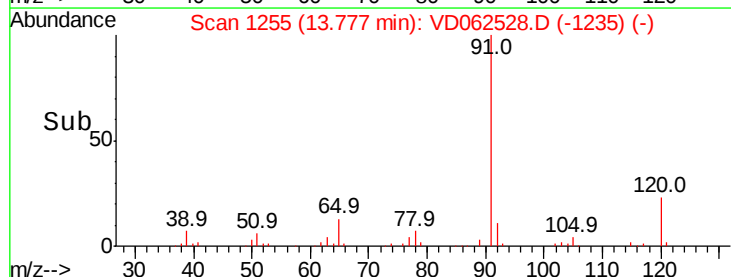
91 100

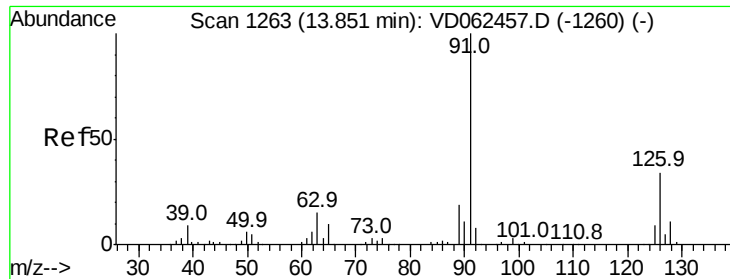
120 22.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

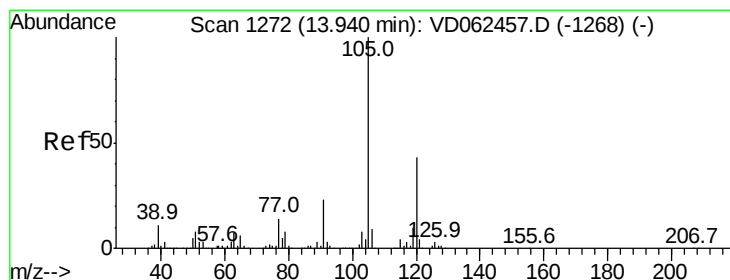
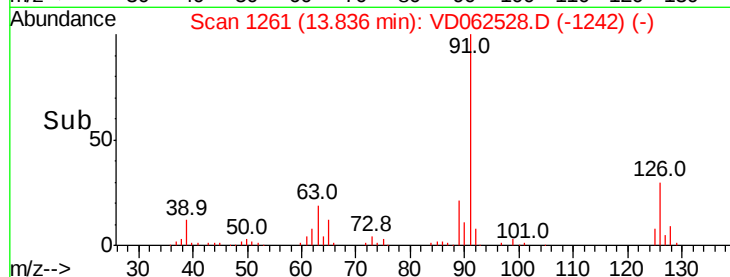
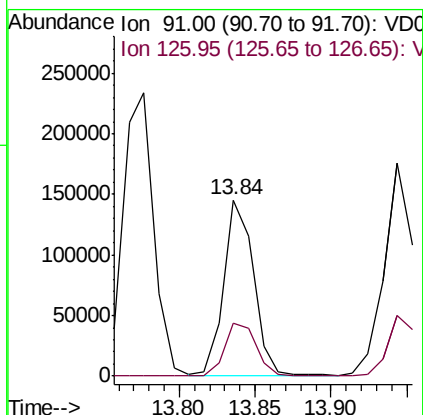
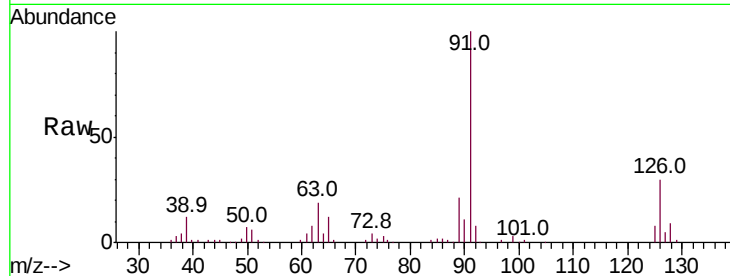




#79
 2-Chlorotoluene
 Concen: 21.387 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.02 min
 Lab File: VD062528.D
 Acq: 24 May 2019 13:33

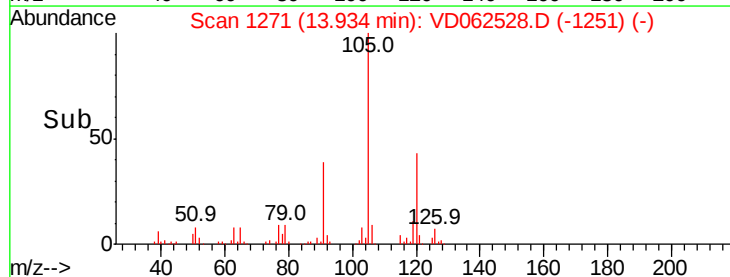
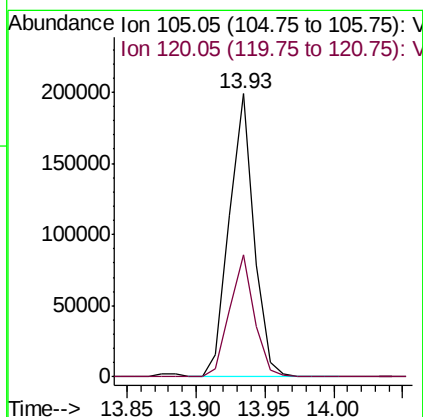
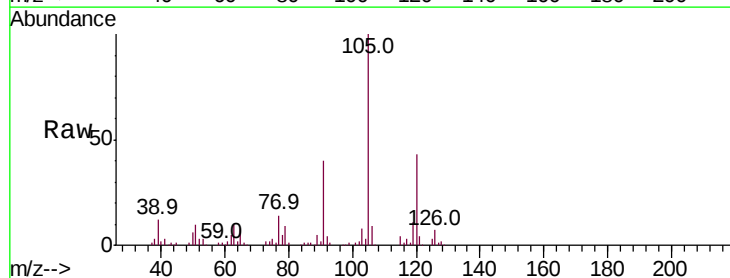
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBS01

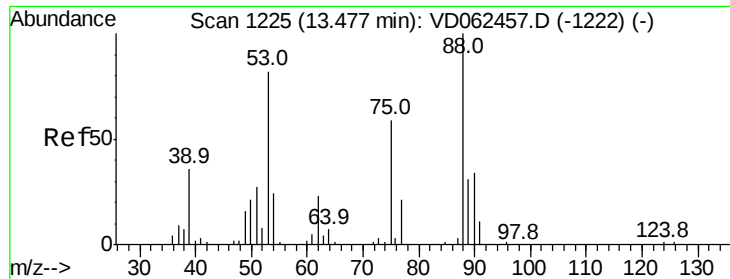
Tot Ion: 91 Resp: 200150
 Ion Ratio Lower Upper
 91 100
 126 29.9 18.6 55.8



#80
 1,3,5-Trimethylbenzene
 Concen: 21.553 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VD062528.D
 Acq: 24 May 2019 13:33

Tgt Ion:105 Resp: 248446
 Ion Ratio Lower Upper
 105 100
 120 43.2 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.772 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBS01

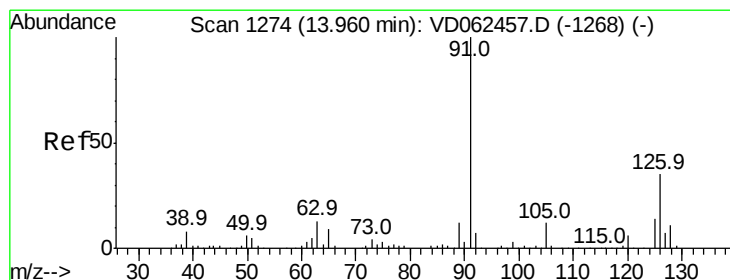
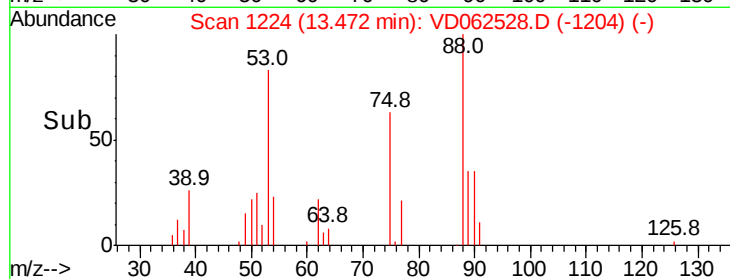
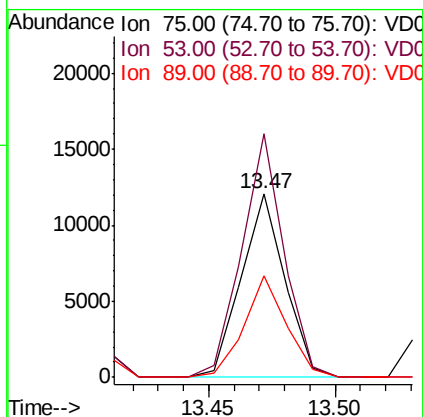
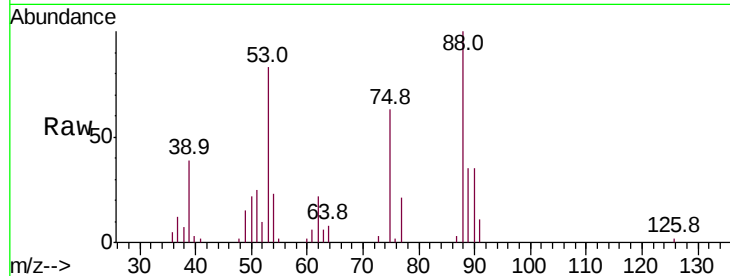
Tot Ion: 75 Resp: 14574

Ion Ratio Lower Upper

75 100

53 132.6 65.8 98.8#

89 55.1 35.0 52.6#



#82

4-Chlorotoluene

Concen: 22.452 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. -0.02 min

Lab File: VD062528.D

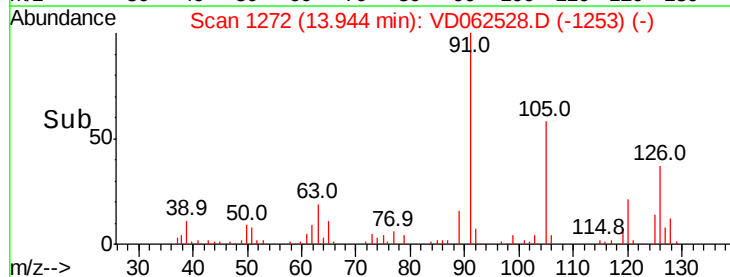
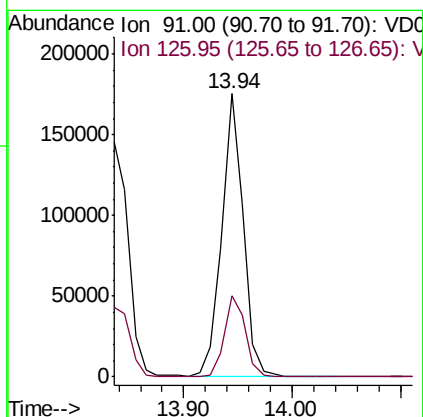
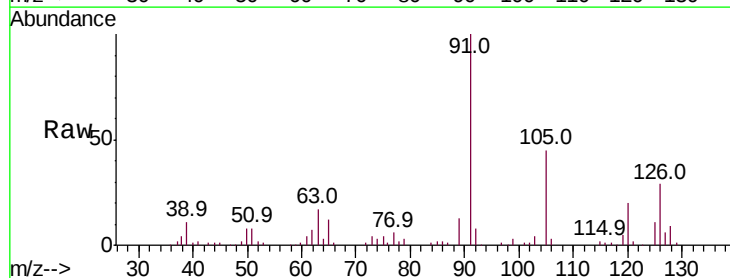
Acq: 24 May 2019 13:33

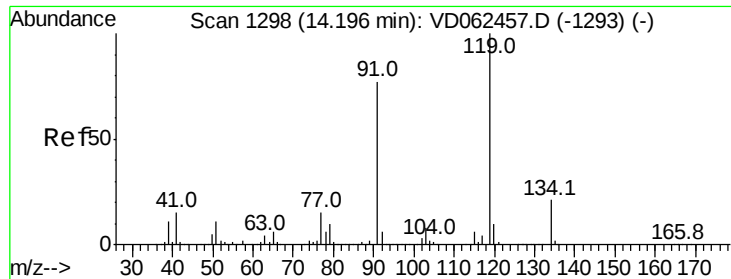
Tgt Ion: 91 Resp: 241983

Ion Ratio Lower Upper

91 100

126 28.6 19.1 57.5

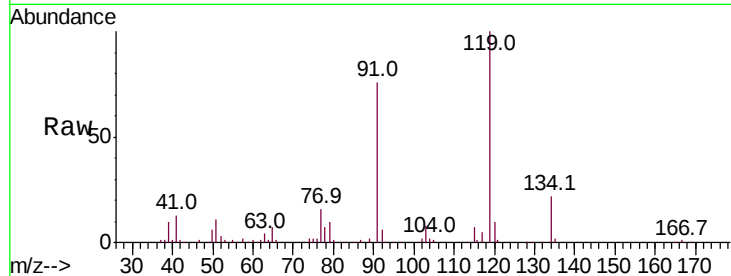




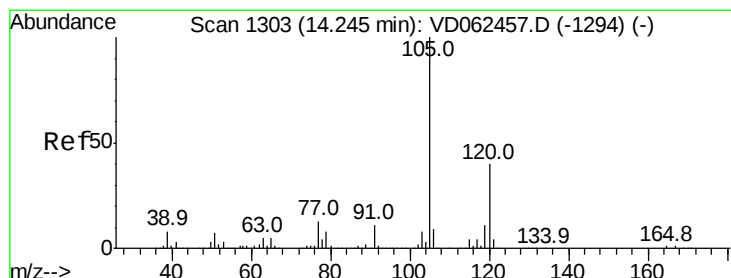
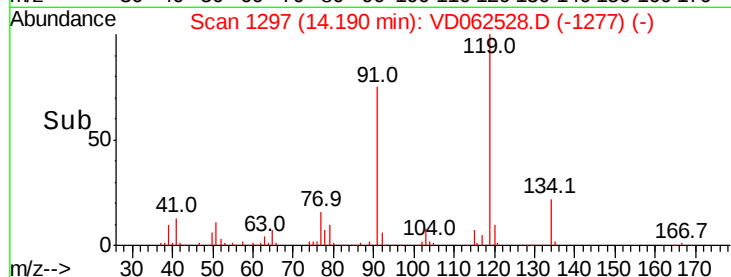
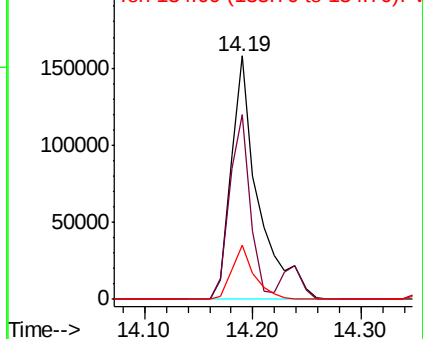
#83
tert-Butylbenzene
Concen: 21.645 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.01 min
Lab File: VD062528.D
Acq: 24 May 2019 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD0524SBS01

Tot Ion:119 Resp: 276763
Ion Ratio Lower Upper
119 100
91 75.8 34.2 102.6
134 22.2 12.0 36.0

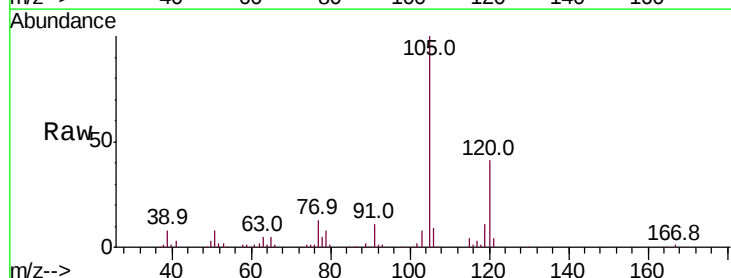


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

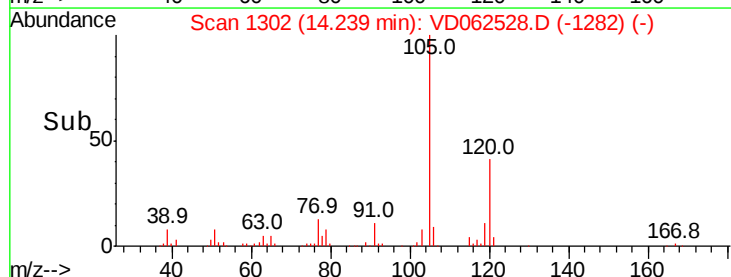
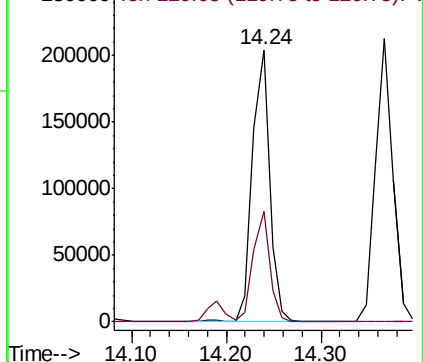


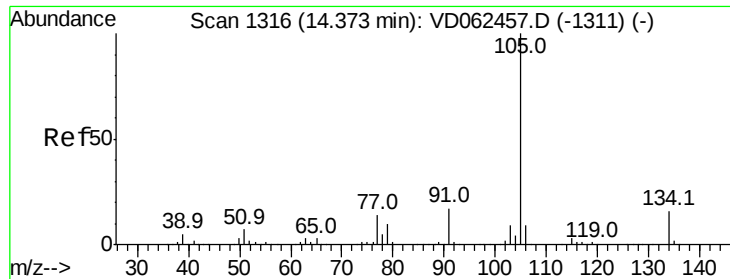
#84
1,2,4-Trimethylbenzene
Concen: 22.037 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.01 min
Lab File: VD062528.D
Acq: 24 May 2019 13:33

Tgt Ion:105 Resp: 260297
Ion Ratio Lower Upper
105 100
120 40.6 23.1 69.2



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





#85

sec-Butylbenzene

Concen: 20.721 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

Instrument :

MSVOA_D

ClientSampleId :

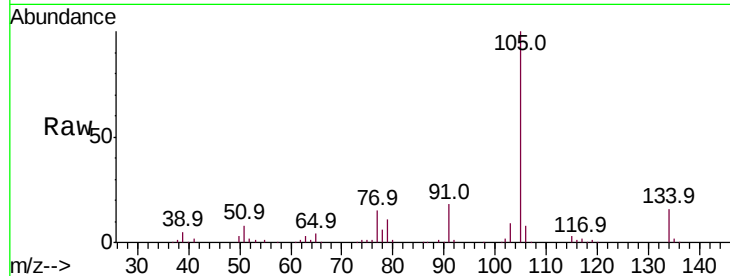
VD0524SBS01

Tot Ion:105 Resp: 276269

Ion Ratio Lower Upper

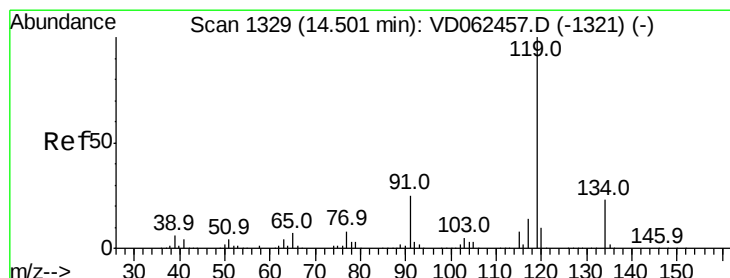
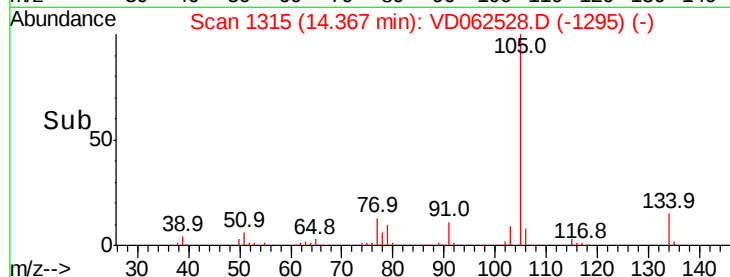
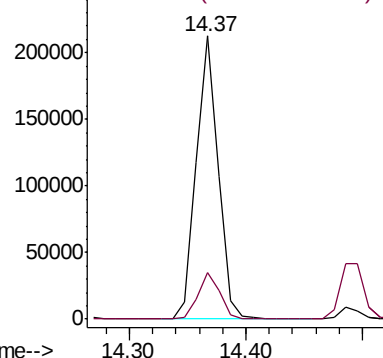
105 100

134 16.5 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 22.314 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.02 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

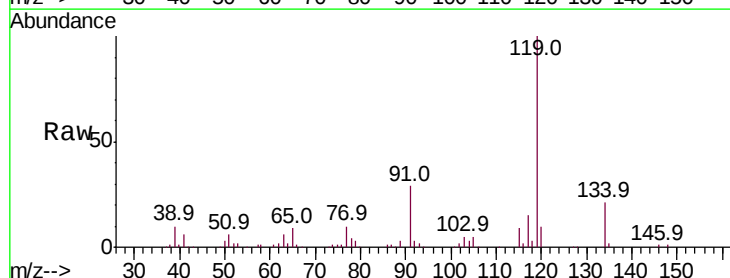
Tgt Ion:119 Resp: 269603

Ion Ratio Lower Upper

119 100

134 21.4 12.8 38.3

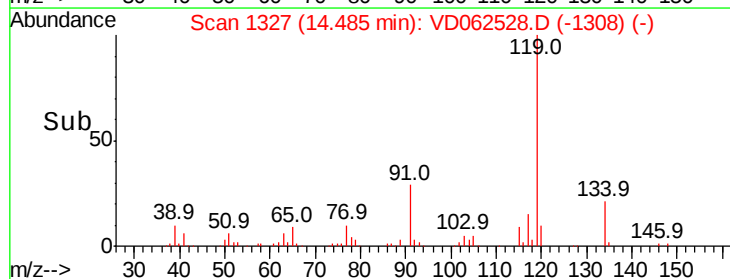
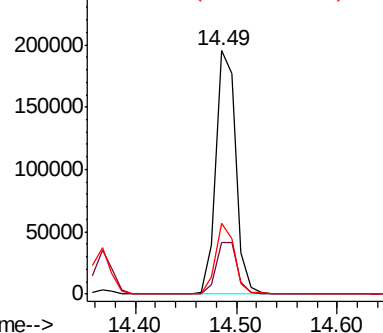
91 28.9 10.7 32.1

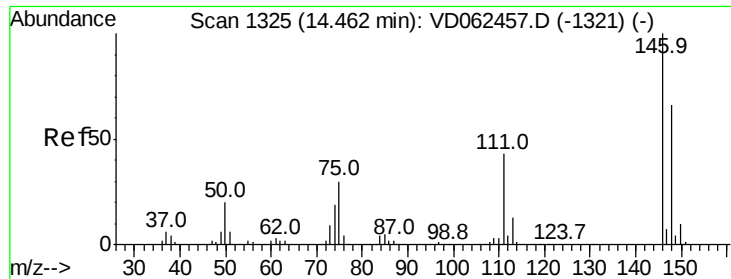


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

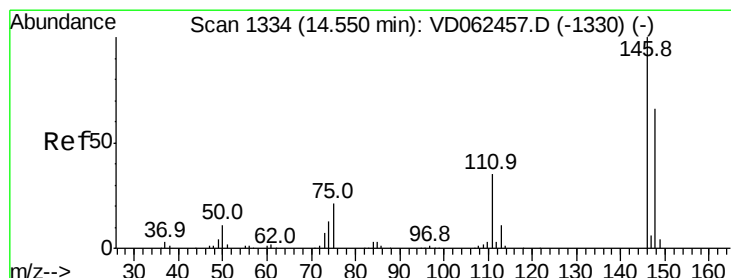
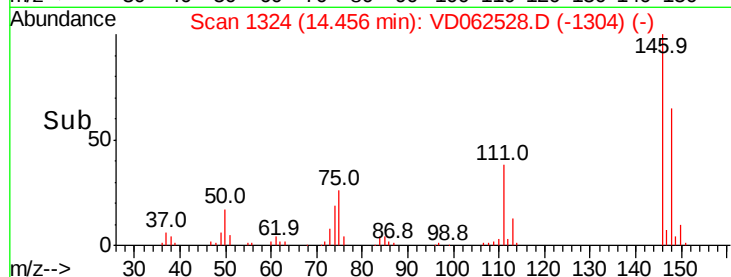
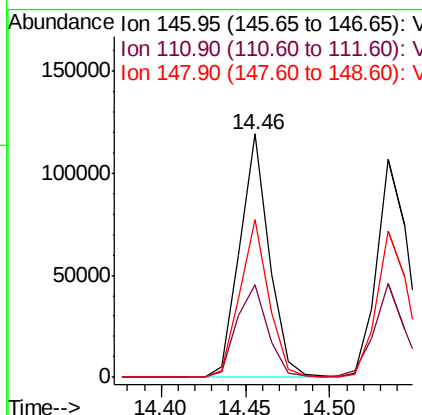
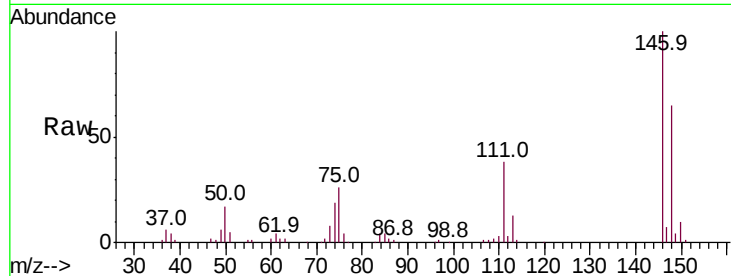




#87
 1,3-Dichlorobenzene
 Concen: 21.646 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD062528.D
 Acq: 24 May 2019 13:33

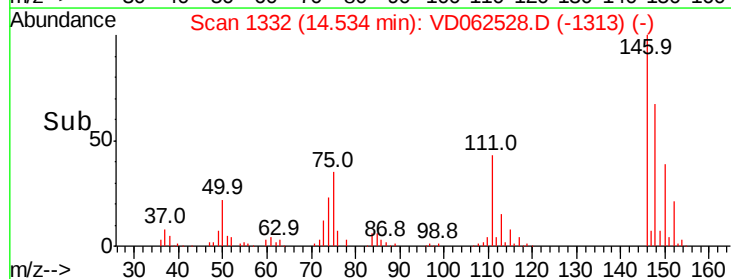
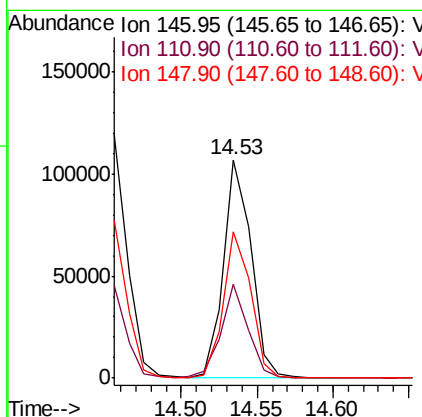
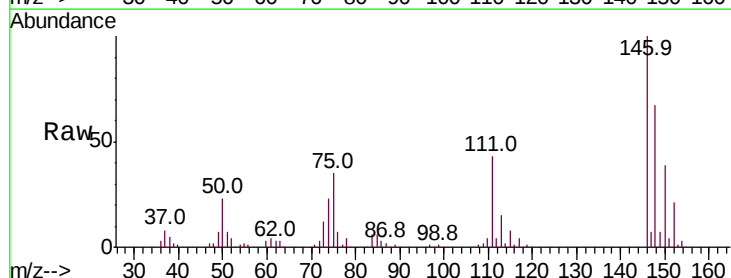
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBS01

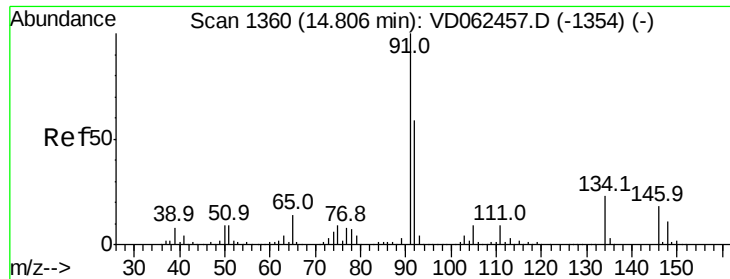
Tot Ion:146 Resp: 144361
 Ion Ratio Lower Upper
 146 100
 111 38.3 20.0 60.0
 148 64.9 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 21.231 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.02 min
 Lab File: VD062528.D
 Acq: 24 May 2019 13:33

Tgt Ion:146 Resp: 136635
 Ion Ratio Lower Upper
 146 100
 111 42.8 20.2 60.5
 148 66.8 32.0 96.2





#89

n-Butylbenzene

Concen: 21.085 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBS01

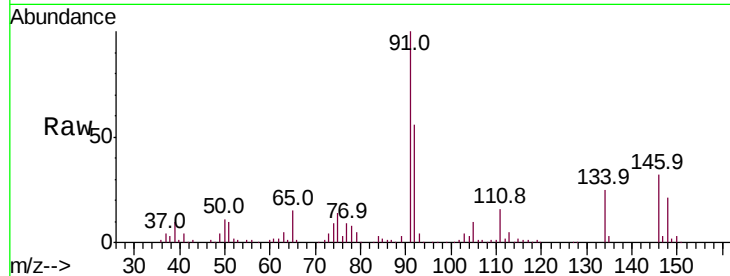
Tot Ion: 91 Resp: 245861

Ion Ratio Lower Upper

91 100

92 56.4 30.3 91.0

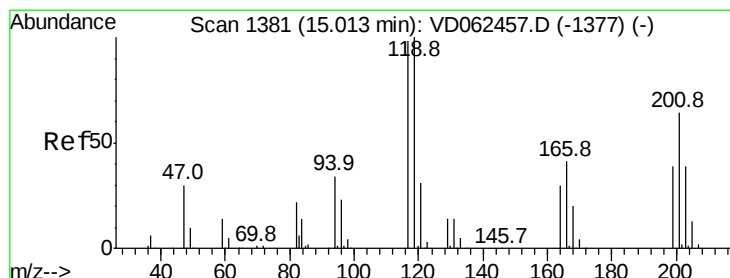
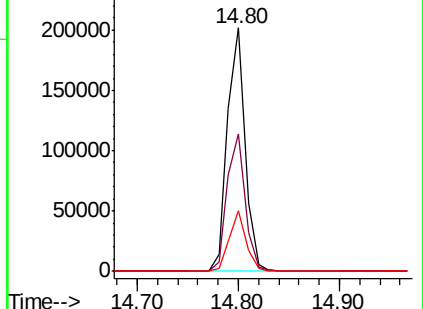
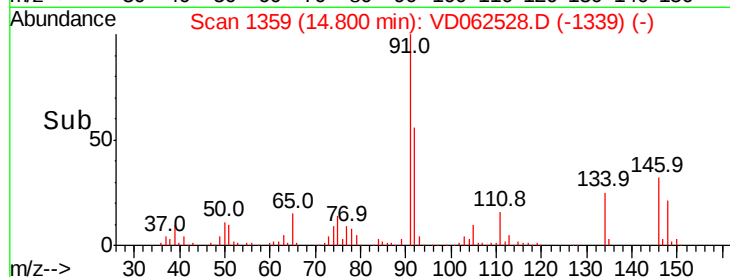
134 24.8 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 22.672 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD062528.D

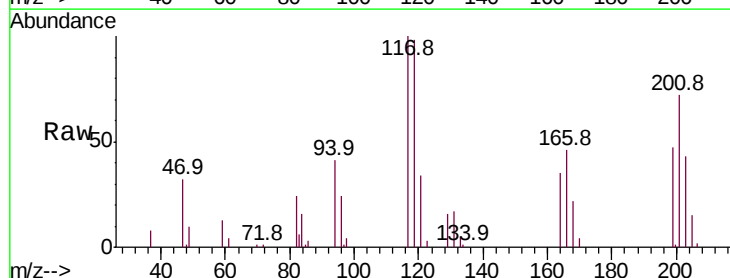
Acq: 24 May 2019 13:33

Tgt Ion: 117 Resp: 75706

Ion Ratio Lower Upper

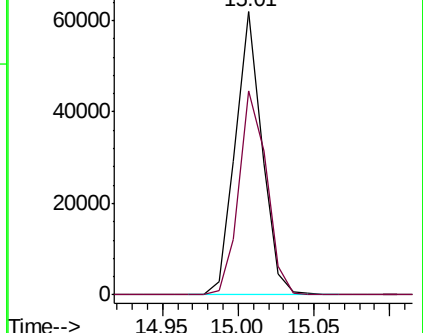
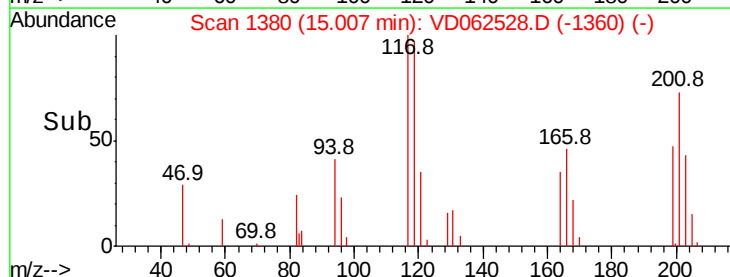
117 100

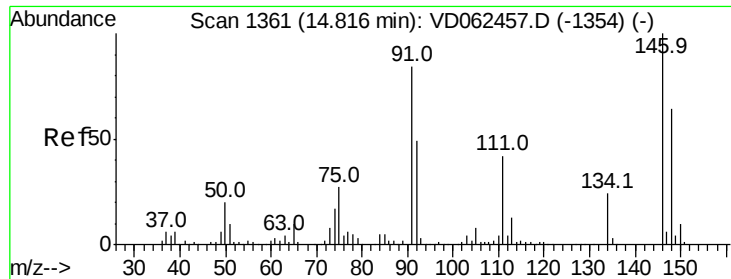
201 72.1 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

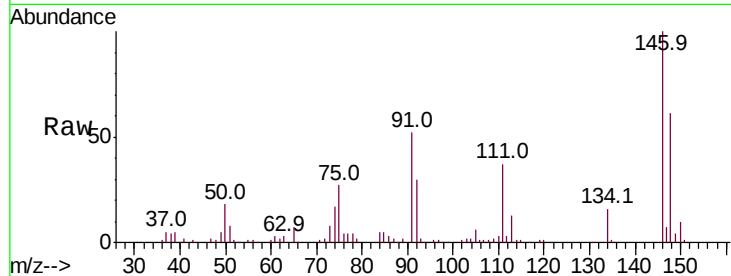




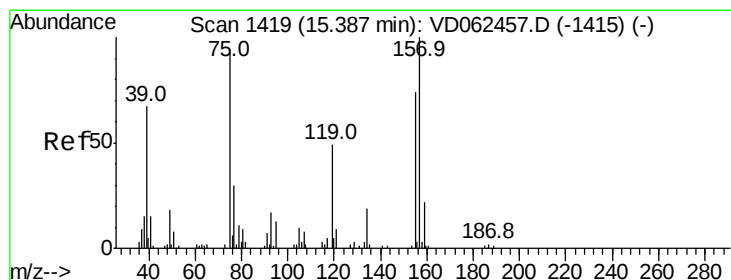
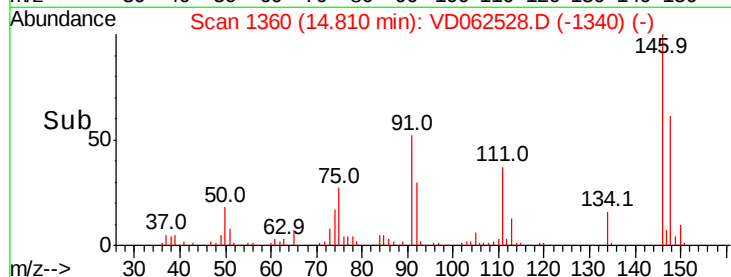
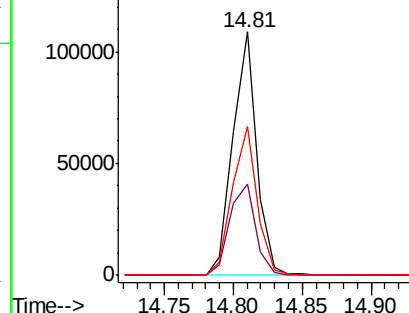
#91
 1,2-Dichlorobenzene
 Concen: 22.966 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: VD062528.D
 Acq: 24 May 2019 13:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBS01

Tot Ion:146 Resp: 130241
 Ion Ratio Lower Upper
 146 100
 111 37.3 20.0 59.9
 148 61.3 32.3 96.8

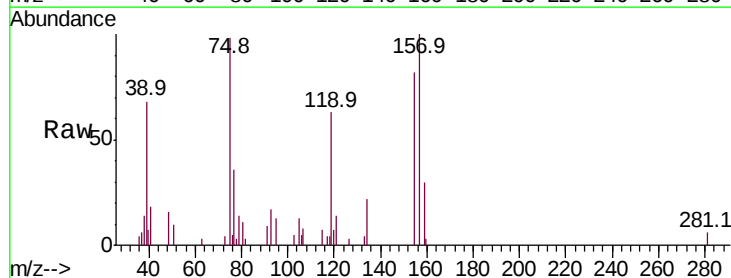


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

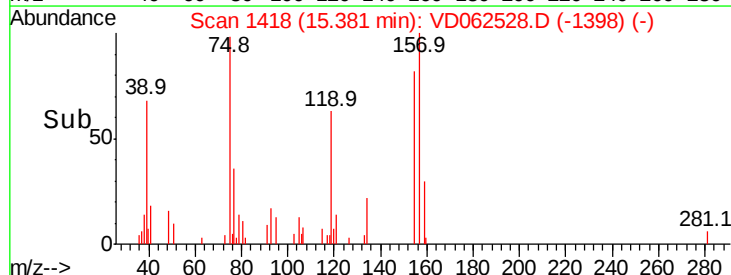
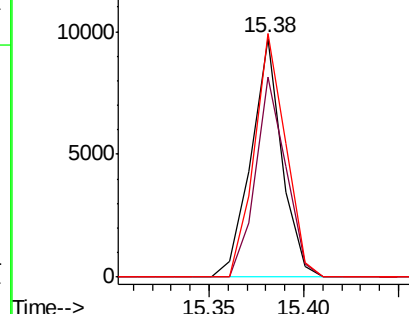


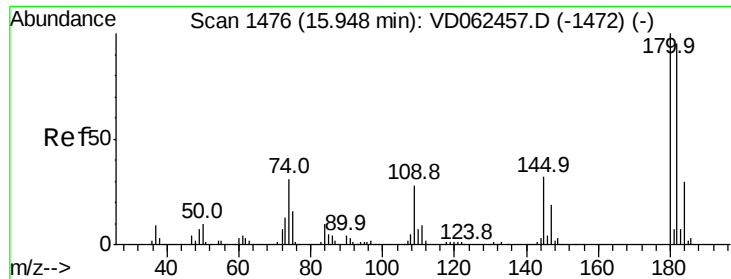
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.034 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: VD062528.D
 Acq: 24 May 2019 13:33

Tgt Ion: 75 Resp: 10957
 Ion Ratio Lower Upper
 75 100
 155 83.9 55.3 165.8
 157 102.0 67.8 203.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

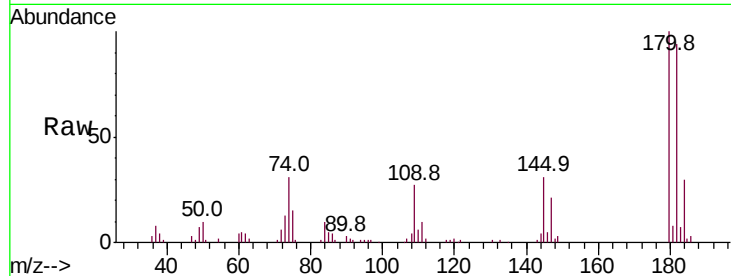




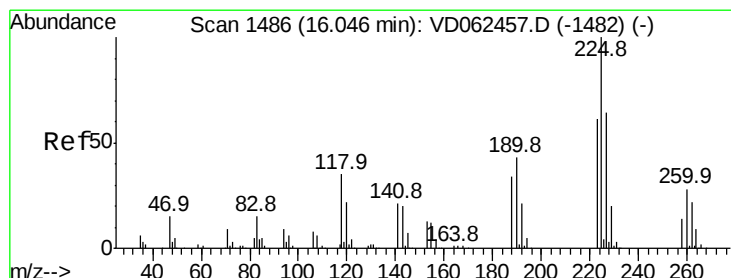
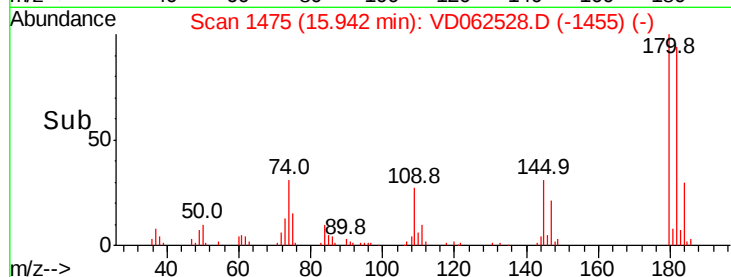
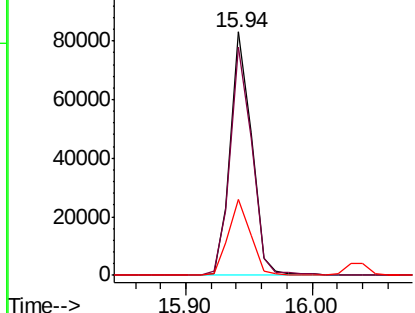
#93
 1,2,4-Trichlorobenzene
 Concen: 21.657 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD062528.D
 Acq: 24 May 2019 13:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBS01

Tot Ion:180 Resp: 96708
 Ion Ratio Lower Upper
 180 100
 182 93.8 49.3 147.8
 145 31.3 16.2 48.6

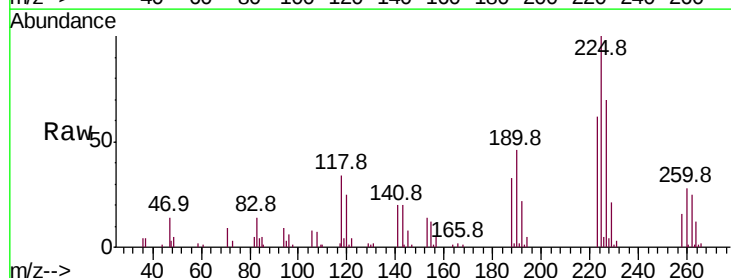


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

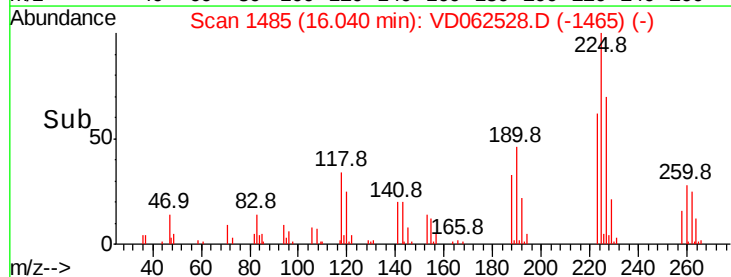
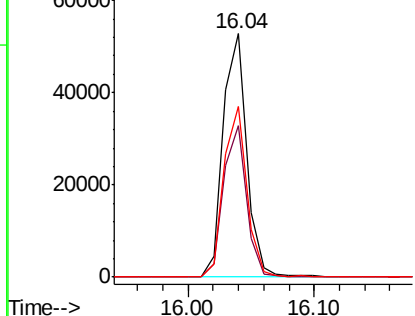


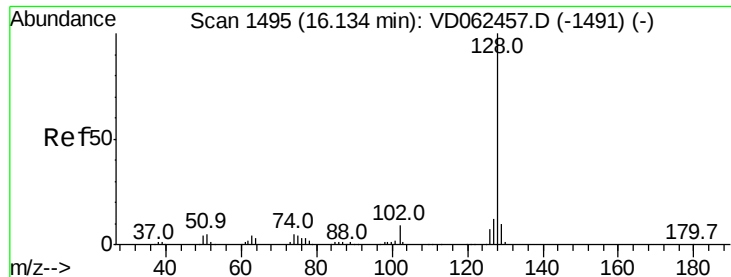
#94
 Hexachlorobutadiene
 Concen: 20.673 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD062528.D
 Acq: 24 May 2019 13:33

Tgt Ion:225 Resp: 68163
 Ion Ratio Lower Upper
 225 100
 223 62.3 30.6 92.0
 227 70.3 32.0 96.2



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





#95

Naphthalene

Concen: 21.467 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.02 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBS01

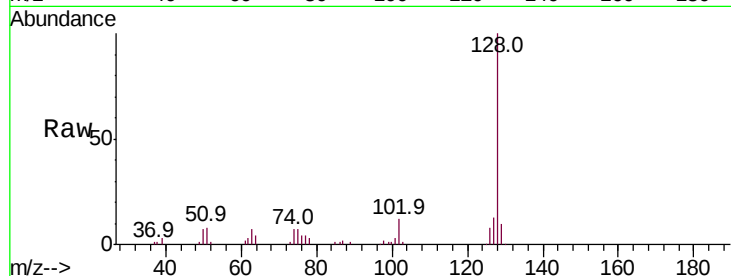
Tot Ion:128 Resp: 130979

Ion Ratio Lower Upper

128 100

127 13.0 9.8 14.8

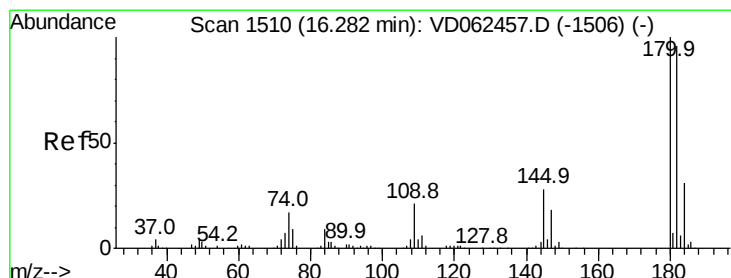
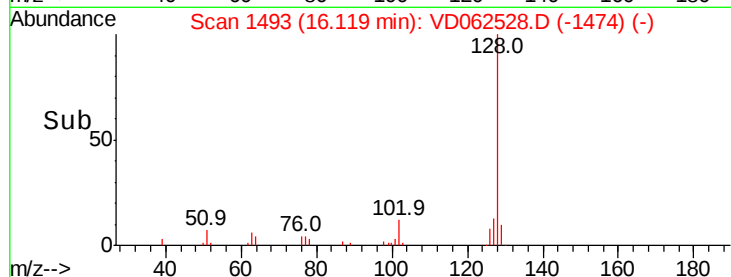
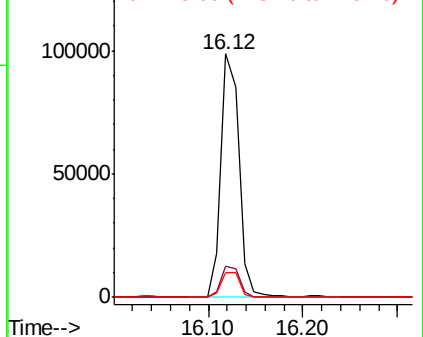
129 10.1 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.938 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.02 min

Lab File: VD062528.D

Acq: 24 May 2019 13:33

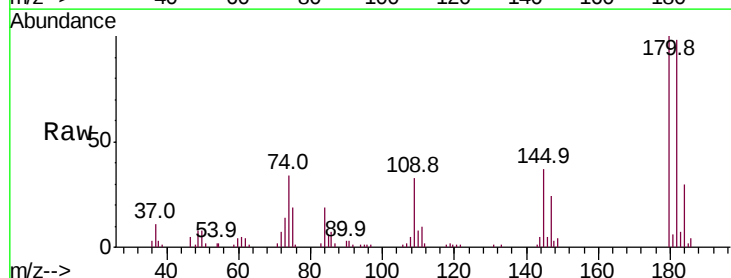
Tgt Ion:180 Resp: 76647

Ion Ratio Lower Upper

180 100

182 97.7 47.0 141.0

145 36.6 17.0 51.0



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

