

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052819\
 Data File : VD062537.D
 Acq On : 28 May 2019 14:31
 Operator : VA/AP
 Sample : VD0528SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBS01

Quant Time: May 29 01:00:04 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	7.05	168	410866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.24	114	532117	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	445879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	266133	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	254677	57.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.82%	
35) Dibromofluoromethane	6.94	113	255231	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
50) Toluene-d8	10.43	98	531202	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
62) 4-Bromofluorobenzene	13.56	95	233495	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.57	85	94431	21.658	ug/l 98
3) Chloromethane	1.75	50	57808	20.310	ug/l 99
4) Vinyl Chloride	1.85	62	65246	21.784	ug/l 91
5) Bromomethane	2.15	94	35482	27.454	ug/l 90
6) Chloroethane	2.26	64	33424	23.069	ug/l 95
7) Trichlorofluoromethane	2.53	101	160039	23.126	ug/l 97
8) Diethyl Ether	2.88	74	18821	20.161	ug/l 57
9) 1,1,2-Trichlorotrifluoroet	3.15	101	81434	19.780	ug/l # 91
10) Methyl Iodide	3.30	142	102217	17.806	ug/l # 74
11) Tert butyl alcohol	4.10	59	23983	118.139	ug/l 96
12) 1,1-Dichloroethene	3.13	96	60119	19.758	ug/l # 72
13) Acrolein	3.04	56	14935	88.589	ug/l # 69
14) Allyl chloride	3.63	41	78570	17.513	ug/l # 59
15) Acrylonitrile	4.22	53	41489	89.189	ug/l 93
16) Acetone	3.24	43	79767	101.211	ug/l # 84
17) Carbon Disulfide	3.37	76	165885	18.001	ug/l 97
18) Methyl Acetate	3.66	43	27842	20.473	ug/l # 84
19) Methyl tert-butyl Ether	4.25	73	138146	19.657	ug/l 96
20) Methylene Chloride	3.83	84	64290	14.704	ug/l 99
21) trans-1,2-Dichloroethene	4.23	96	63202	17.743	ug/l 90
22) Diisopropyl ether	5.14	45	174425	18.265	ug/l # 89
23) Vinyl Acetate	5.08	43	535106	92.734	ug/l 96
24) 1,1-Dichloroethane	5.00	63	110658	17.992	ug/l 96
25) 2-Butanone	6.09	43	71017	86.154	ug/l # 86
26) 2,2-Dichloropropane	6.04	77	132505	19.986	ug/l 88
27) cis-1,2-Dichloroethene	6.05	96	67080	17.464	ug/l 83
28) Bromochloromethane	6.45	49	38545	17.462	ug/l 94
29) Tetrahydrofuran	6.47	42	34975	88.842	ug/l 97
30) Chloroform	6.68	83	146410	18.673	ug/l 96
31) Cyclohexane	6.97	56	70549	16.989	ug/l 92
32) 1,1,1-Trichloroethane	6.89	97	156711	19.797	ug/l 97
36) 1,1-Dichloropropene	7.16	75	96649	18.998	ug/l 95
37) Ethyl Acetate	6.19	43	42437	21.472	ug/l # 90
38) Carbon Tetrachloride	7.12	117	154891	20.486	ug/l 97

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 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBS01

Quant Time: May 29 01:00:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	79711	18.996	ug/l	93
40) Benzene	7.47	78	176816	17.719	ug/l	96
41) Methacrylonitrile	6.47	41	48448	19.518	ug/l #	77
42) 1,2-Dichloroethane	7.60	62	109252	20.675	ug/l	90
43) Isopropyl Acetate	9.25	43	48348	18.440	ug/l	91
44) Trichloroethene	8.55	130	74386	18.617	ug/l	85
45) 1,2-Dichloropropane	8.95	63	42117	17.319	ug/l	99
46) Dibromomethane	9.07	93	42442	19.253	ug/l	92
47) Bromodichloromethane	9.39	83	117937	21.031	ug/l	96
48) Methyl methacrylate	9.13	41	34522	19.566	ug/l #	77
49) 1,4-Dioxane	9.10	88	5309	335.462	ug/l #	86
51) 4-Methyl-2-Pentanone	10.31	43	175188	101.144	ug/l	90
52) Toluene	10.52	92	124384	18.207	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	90321	19.346	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	91519	18.786	ug/l #	74
55) 1,1,2-Trichloroethane	11.21	97	45235	19.537	ug/l	90
56) Ethyl methacrylate	11.06	69	45919	18.552	ug/l #	83
57) 1,3-Dichloropropane	11.42	76	64487	18.161	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.87	63	140034	110.180	ug/l #	88
59) 2-Hexanone	11.54	43	126010	100.101	ug/l	93
60) Dibromochloromethane	11.70	129	88025	19.794	ug/l	100
61) 1,2-Dibromoethane	11.82	107	52778	18.497	ug/l	99
64) Tetrachloroethene	11.27	164	71148	19.057	ug/l	95
65) Chlorobenzene	12.41	112	148182	17.282	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.53	131	76532	19.336	ug/l	94
67) Ethyl Benzene	12.54	91	275463	18.652	ug/l	94
68) m/p-Xylenes	12.67	106	195993	36.970	ug/l	94
69) o-Xylene	13.06	106	88986	17.790	ug/l	80
70) Styrene	13.08	104	151912	17.852	ug/l #	89
71) Bromoform	13.24	173	55792	21.225	ug/l #	96
73) Isopropylbenzene	13.41	105	284406	16.954	ug/l	96
74) N-amyl acetate	13.27	43	69800	16.847	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.71	83	47948	15.843	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	58552	18.678	ug/l	97
77) Bromobenzene	13.68	156	83937	17.638	ug/l	89
78) n-propylbenzene	13.79	91	351189	18.073	ug/l	100
79) 2-Chlorotoluene	13.84	91	198252	16.812	ug/l	89
80) 1,3,5-Trimethylbenzene	13.94	105	253056	17.422	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	15149	17.135	ug/l #	58
82) 4-Chlorotoluene	13.95	91	234492	17.267	ug/l	84
83) tert-Butylbenzene	14.20	119	281884	17.496	ug/l	91
84) 1,2,4-Trimethylbenzene	14.25	105	259564	17.440	ug/l	91
85) sec-Butylbenzene	14.38	105	294810	17.548	ug/l	100
86) p-Isopropyltoluene	14.49	119	273312	17.952	ug/l	90
87) 1,3-Dichlorobenzene	14.46	146	147075	17.501	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	151731	18.710	ug/l	94
89) n-Butylbenzene	14.81	91	257736	17.542	ug/l	98
90) Hexachloroethane	15.02	117	75271	17.890	ug/l	79
91) 1,2-Dichlorobenzene	14.82	146	133954	18.745	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	10660	18.557	ug/l	86

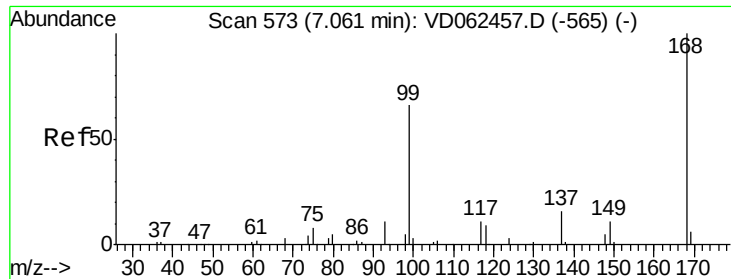
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052819\
Data File : VD062537.D
Acq On : 28 May 2019 14:31
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Quant Time: May 29 01:00:04 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 03:32:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	93962	16.699	ug/l	98
94) Hexachlorobutadiene	16.04	225	69500	16.728	ug/l	99
95) Naphthalene	16.13	128	127806	16.623	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	72256	15.665	ug/l	98

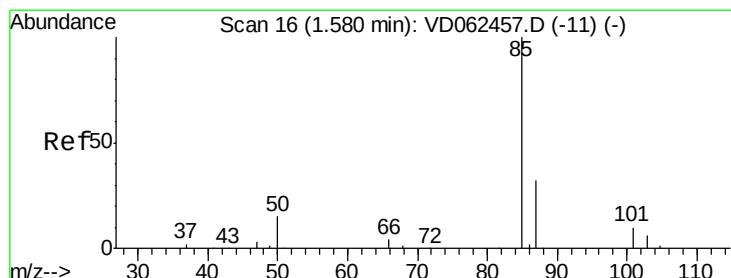
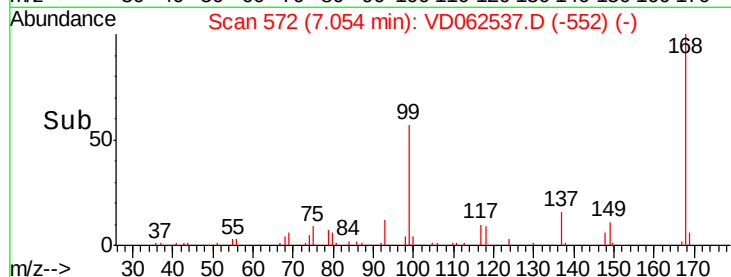
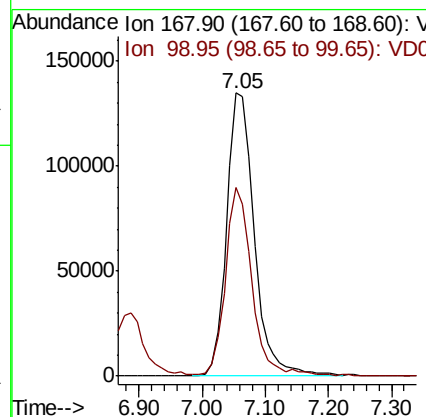
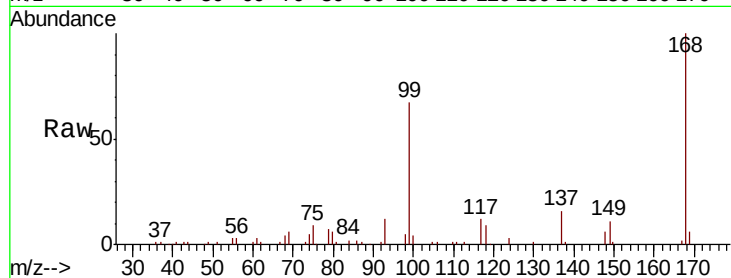
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.01 min
Lab File: VD062537.D
Acq: 28 May 2019 14:31

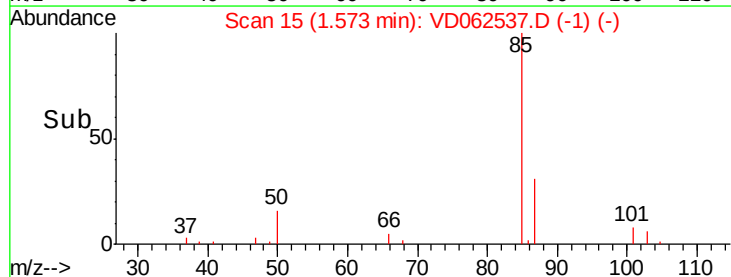
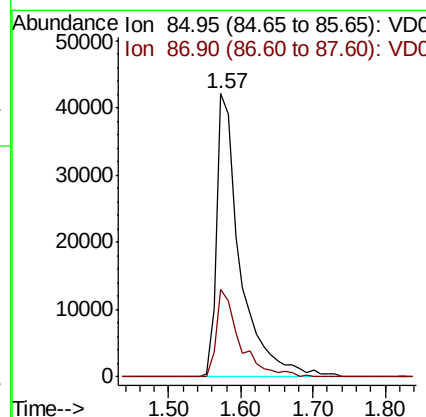
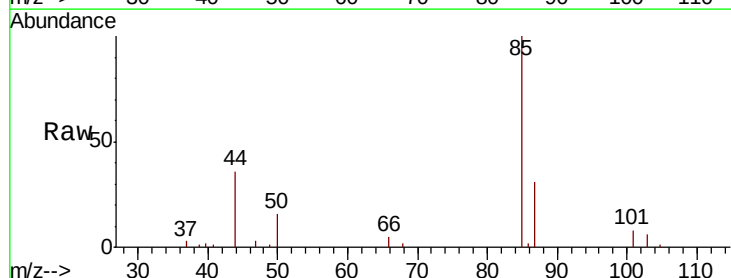
Instrument :
MSVOA_D
ClientSampleId :
VD0528SBS01

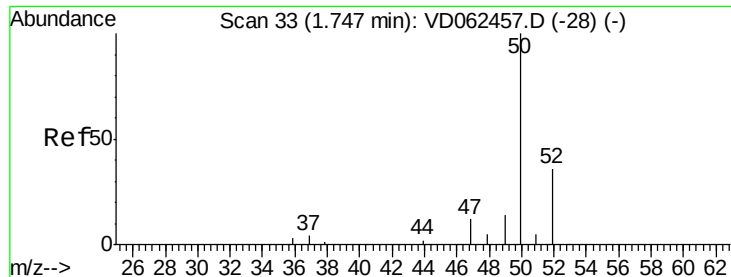
Tot Ion:168 Resp: 410866
Ion Ratio Lower Upper
168 100
99 66.8 46.5 69.7



#2
Dichlorodifluoromethane
Concen: 21.658 ug/l
RT: 1.57 min Scan# 15
Delta R.T. -0.01 min
Lab File: VD062537.D
Acq: 28 May 2019 14:31

Tgt Ion: 85 Resp: 94431
Ion Ratio Lower Upper
85 100
87 31.1 16.2 48.6





#3

Chloromethane

Concen: 20.310 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

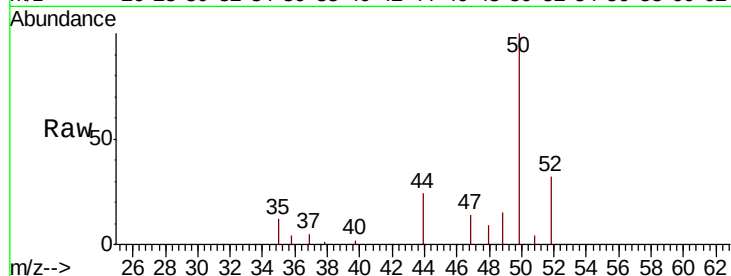
VD0528SBS01

Tot Ion: 50 Resp: 57808

Ion Ratio Lower Upper

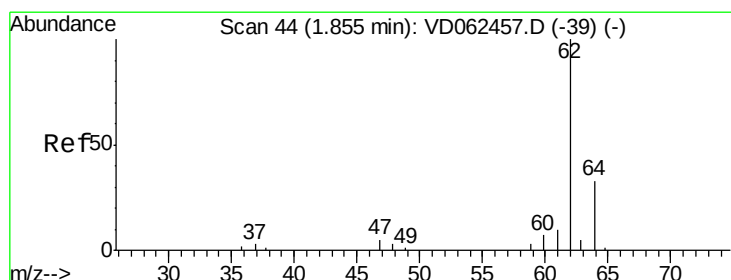
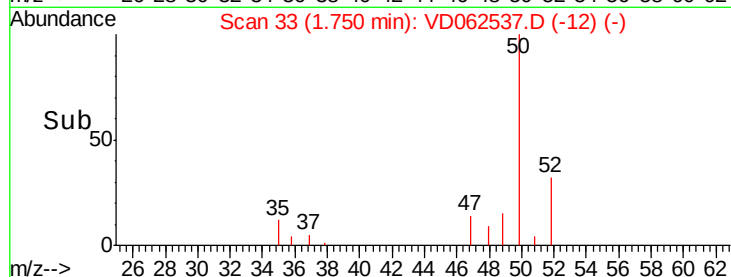
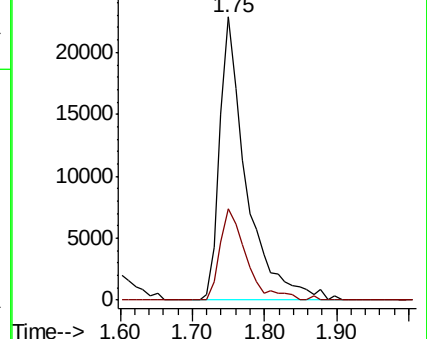
50 100

52 32.2 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: 21.784 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD062537.D

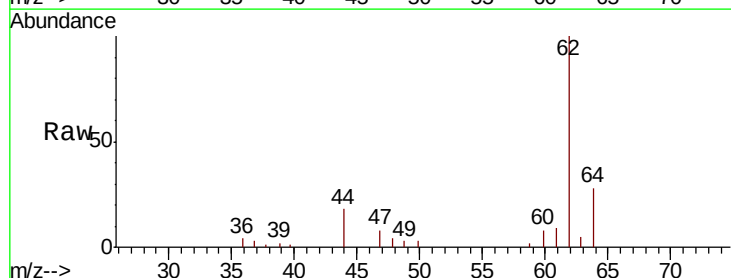
Acq: 28 May 2019 14:31

Tgt Ion: 62 Resp: 65246

Ion Ratio Lower Upper

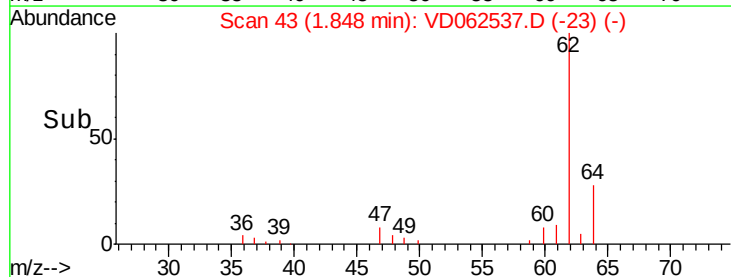
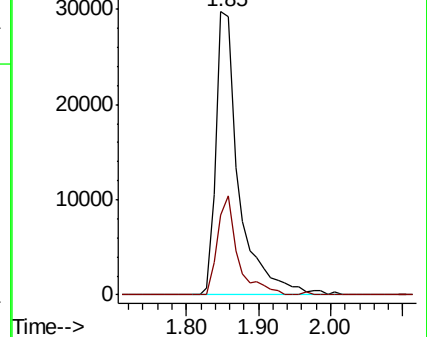
62 100

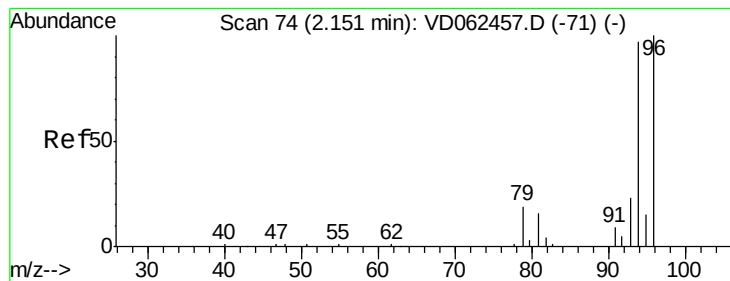
64 28.1 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 27.454 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBS01

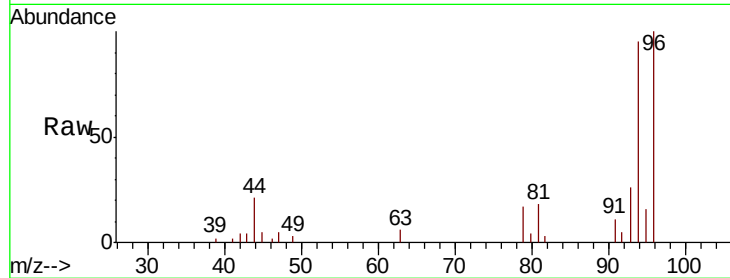
Tot Ion: 94 Resp: 35482

Ion Ratio Lower Upper

94 100

96 105.7 76.6 115.0

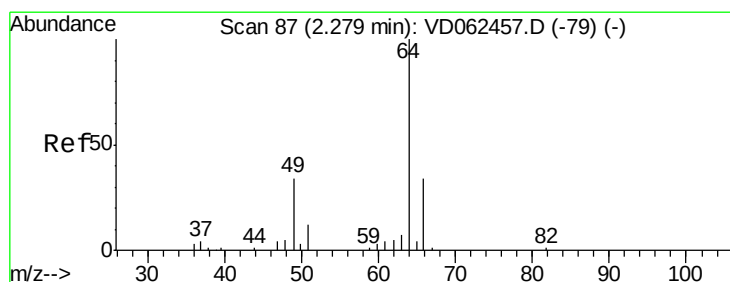
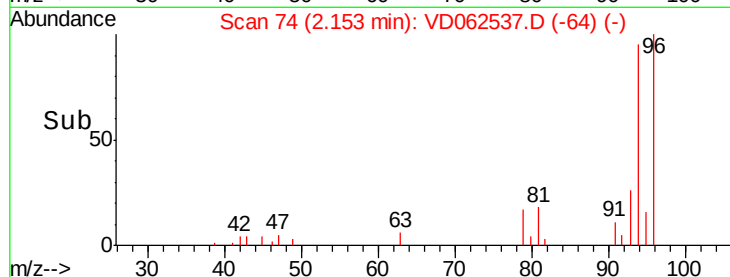
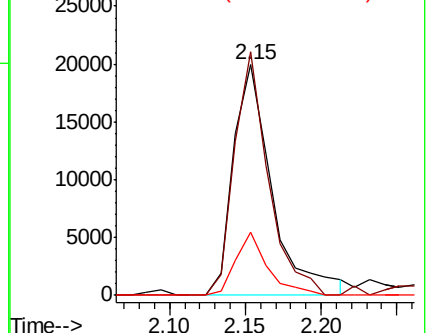
93 27.6 18.5 27.7



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: 23.069 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD062537.D

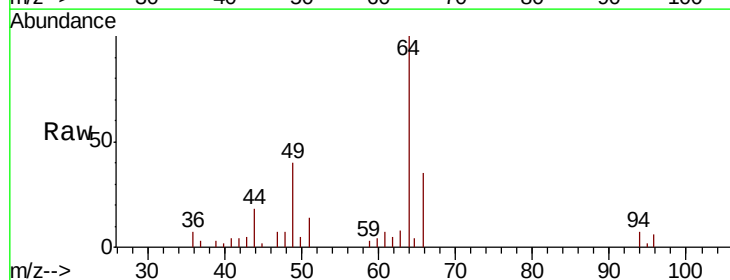
Acq: 28 May 2019 14:31

Tgt Ion: 64 Resp: 33424

Ion Ratio Lower Upper

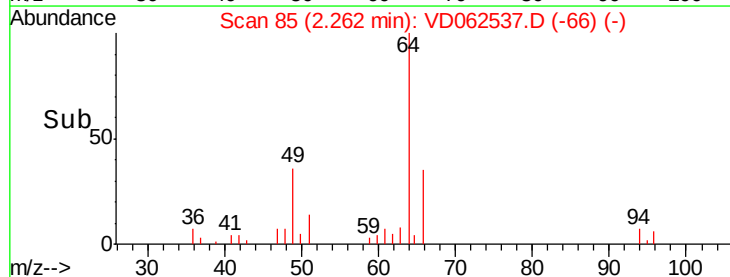
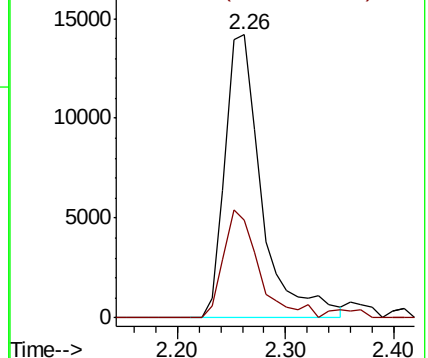
64 100

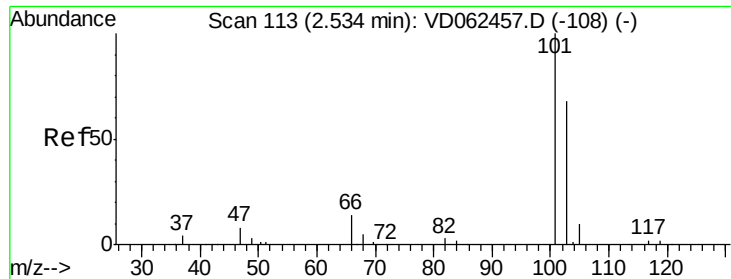
66 34.7 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



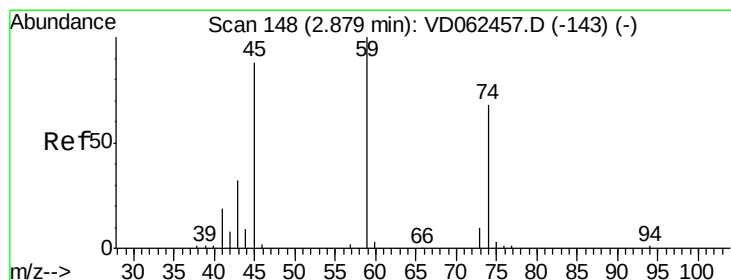
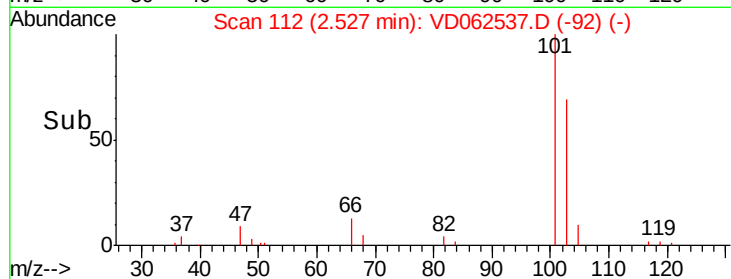
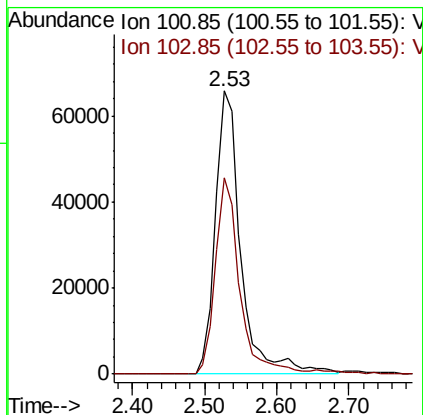
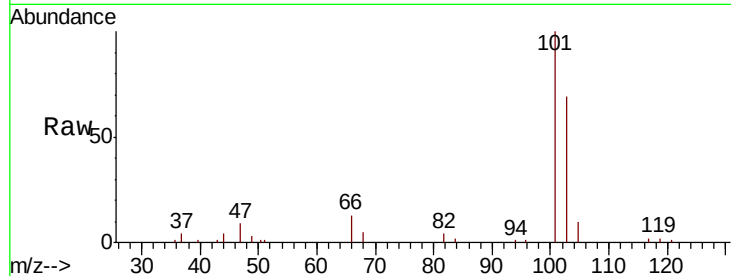


#7

Trichlorofluoromethane
 Concen: 23.126 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD062537.D
 Acq: 28 May 2019 14:31

Instrument :
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 ClientSampleId :
 VD0528SBS01

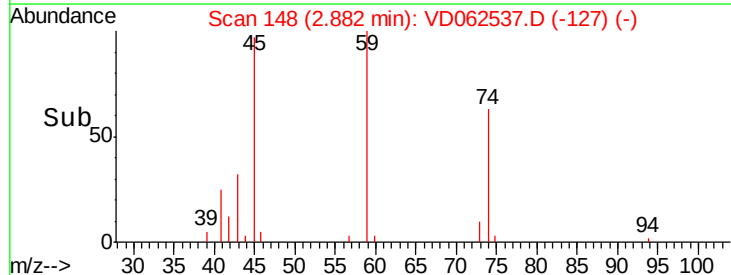
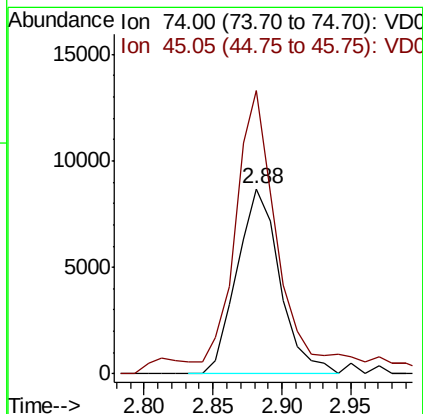
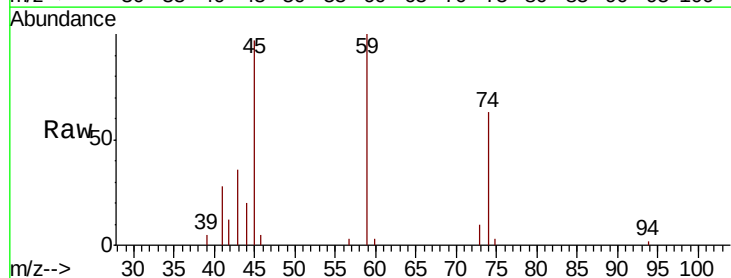
Tot Ion:101 Resp: 160039
 Ion Ratio Lower Upper
 101 100
 103 69.4 53.6 80.4

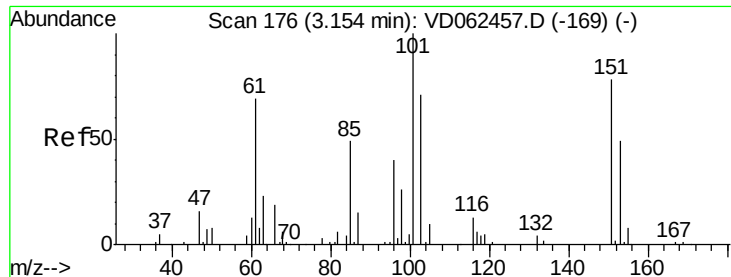


#8

Diethyl Ether
 Concen: 20.161 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD062537.D
 Acq: 28 May 2019 14:31

Tgt Ion: 74 Resp: 18821
 Ion Ratio Lower Upper
 74 100
 45 160.3 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.780 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBS01

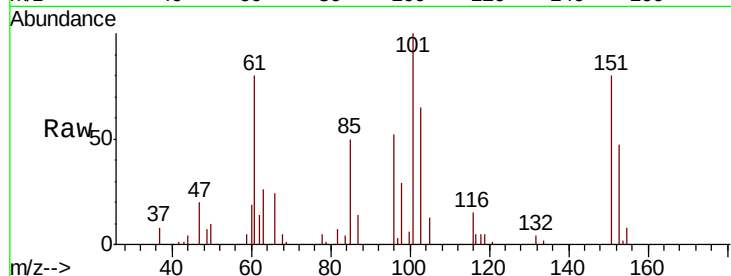
Tot Ion:101 Resp: 81434

Ion Ratio Lower Upper

101 100

85 49.7 32.4 48.6#

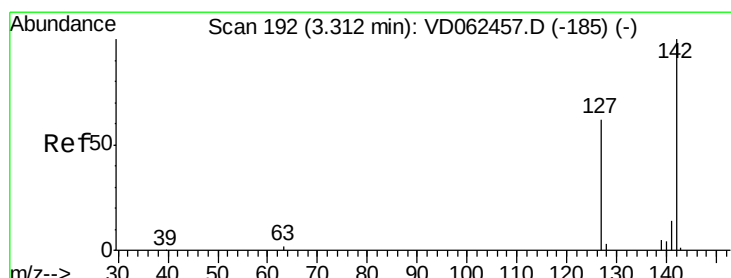
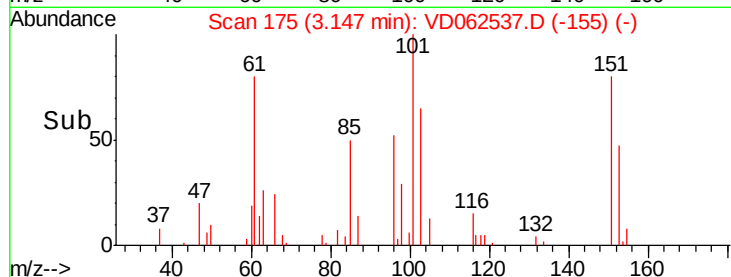
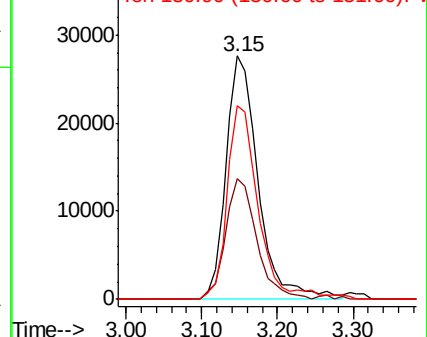
151 79.6 59.4 89.0



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: 17.806 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

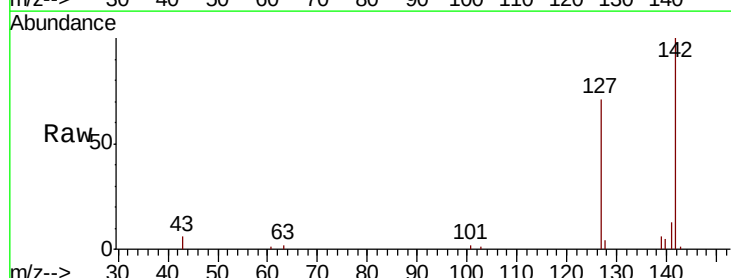
Tgt Ion:142 Resp: 102217

Ion Ratio Lower Upper

142 100

127 70.6 38.8 58.2#

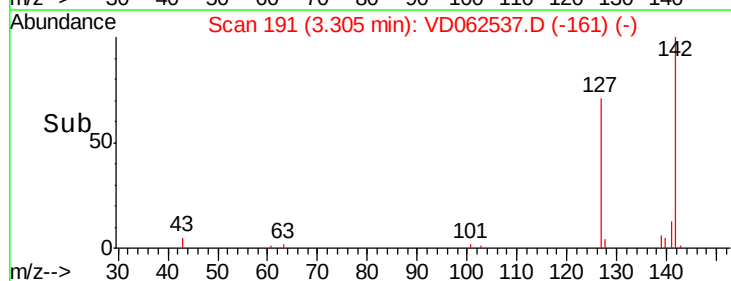
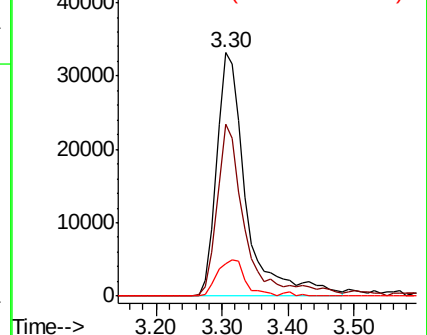
141 13.1 11.4 17.0

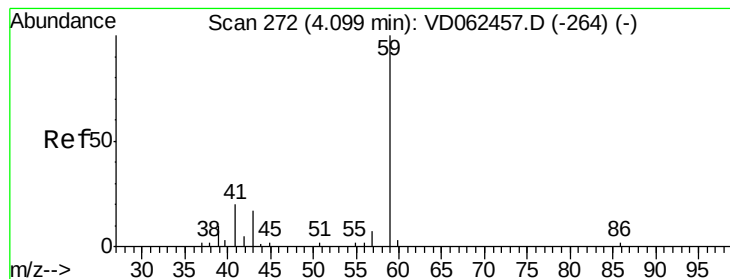


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



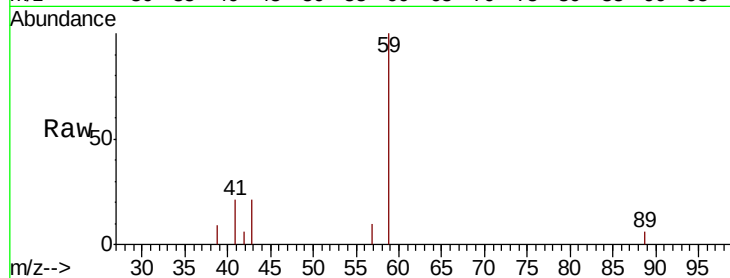


#11

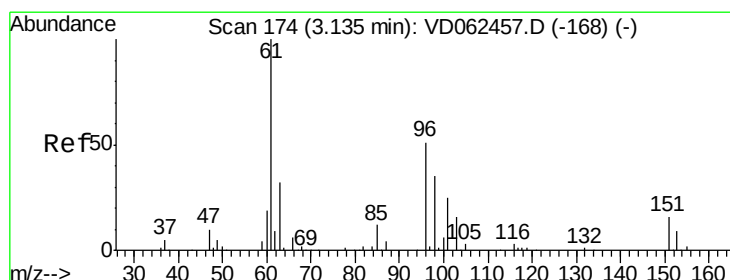
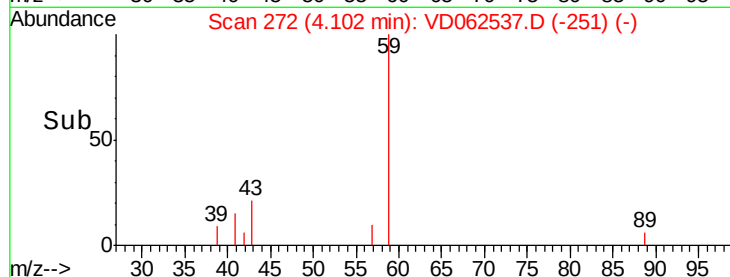
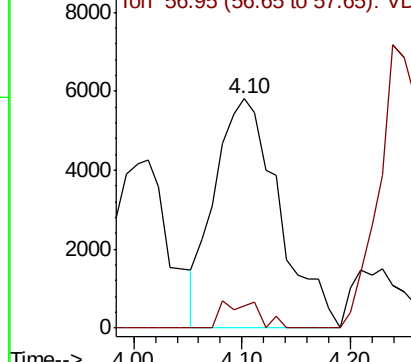
Tert butyl alcohol
 Concen: 118.139 ug/l
 RT: 4.10 min Scan# 272
 Delta R.T. 0.00 min
 Lab File: VD062537.D
 Acq: 28 May 2019 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBS01

Tot Ion: 59 Resp: 23983
 Ion Ratio Lower Upper
 59 100
 57 9.9 6.9 10.3



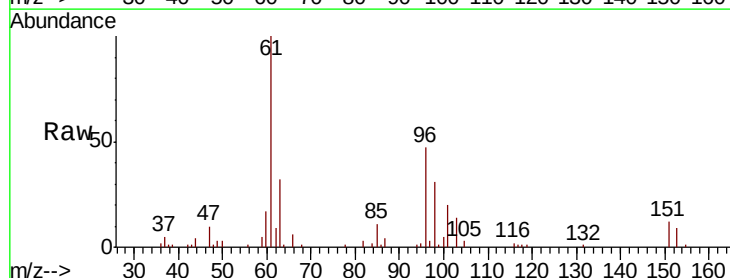
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



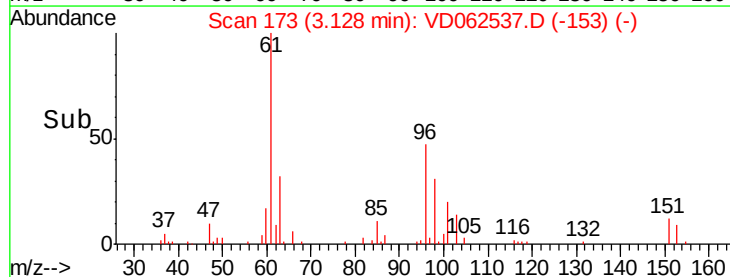
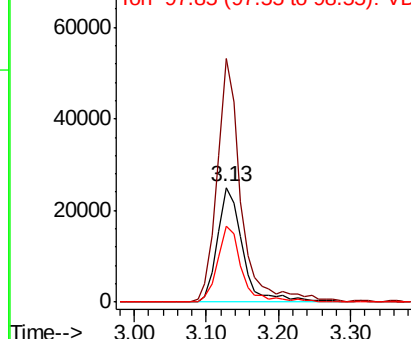
#12

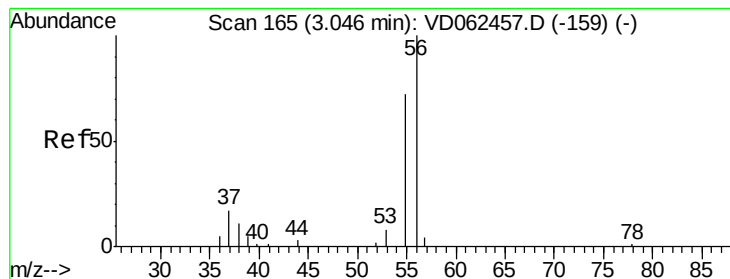
1,1-Dichloroethene
 Concen: 19.758 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.01 min
 Lab File: VD062537.D
 Acq: 28 May 2019 14:31

Tgt Ion: 96 Resp: 60119
 Ion Ratio Lower Upper
 96 100
 61 212.6 129.8 194.8#
 98 66.4 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: 88.589 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

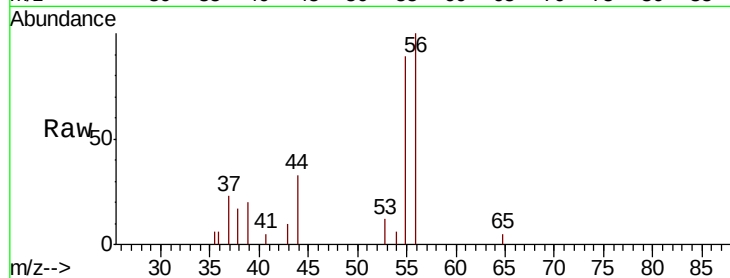
VD0528SBS01

Tot Ion: 56 Resp: 14935

Ion Ratio Lower Upper

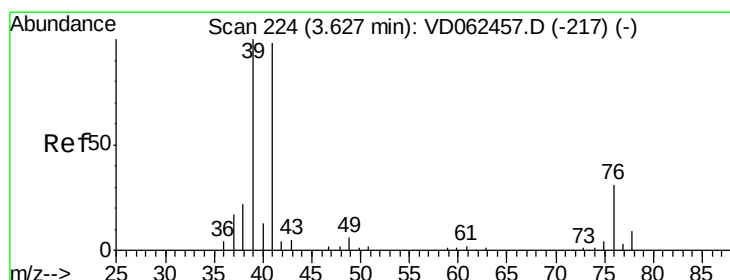
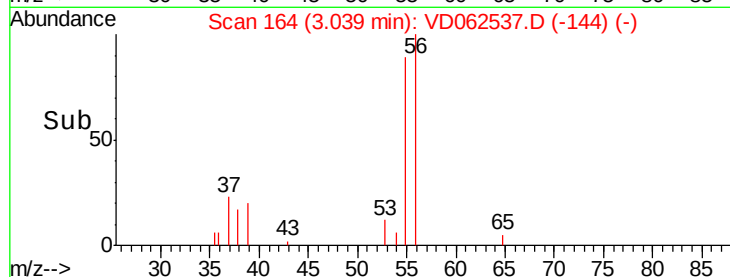
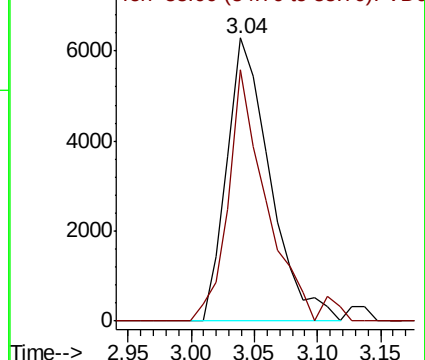
56 100

55 88.9 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: 17.513 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

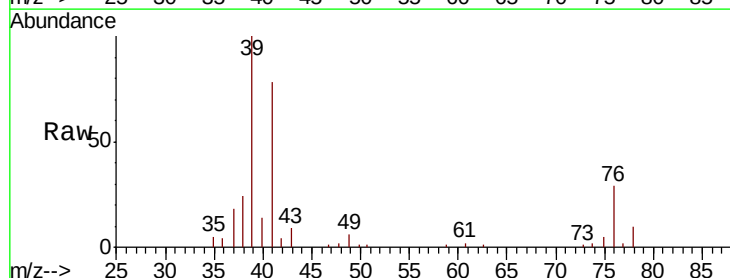
Tgt Ion: 41 Resp: 78570

Ion Ratio Lower Upper

41 100

39 127.7 60.5 90.7#

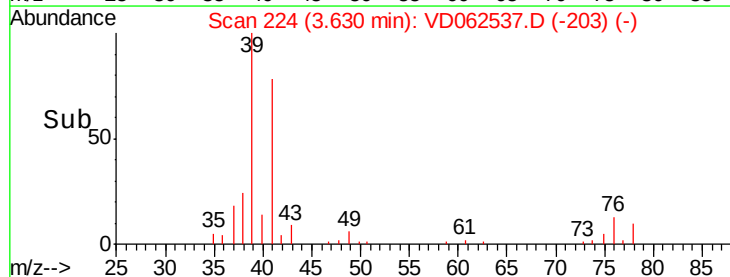
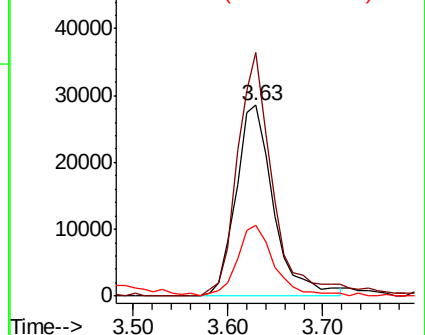
76 37.3 31.8 47.8

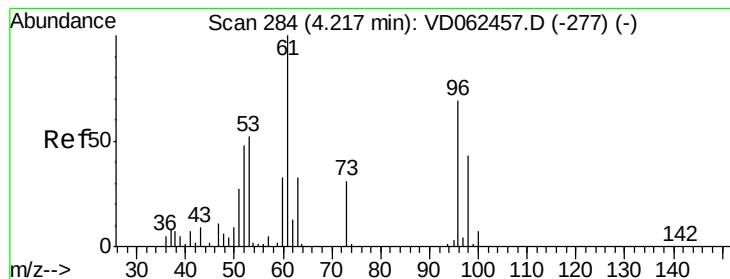


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 89.189 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.00 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBS01

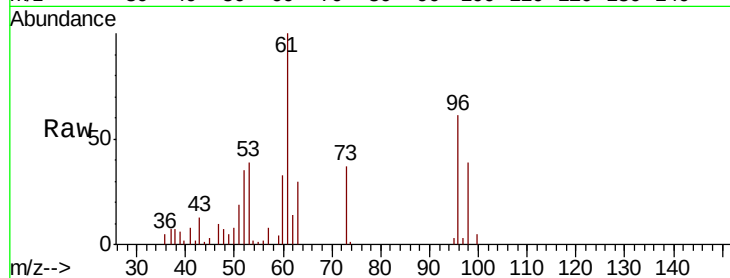
Tot Ion: 53 Resp: 41489

Ion Ratio Lower Upper

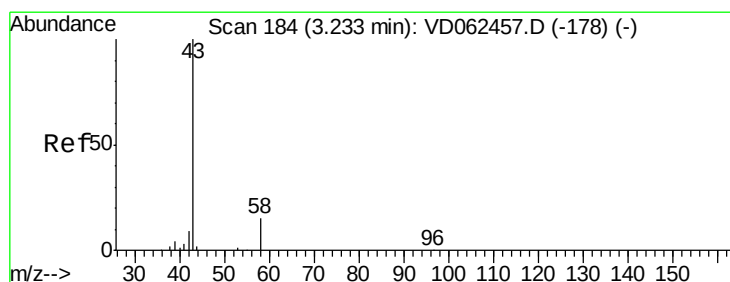
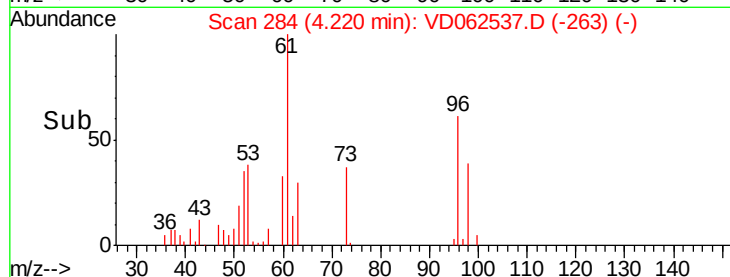
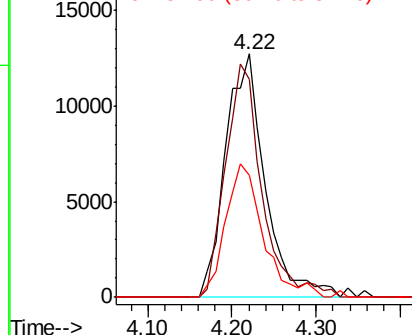
53 100

52 85.8 65.0 97.4

51 48.3 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: 101.211 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.00 min

Lab File: VD062537.D

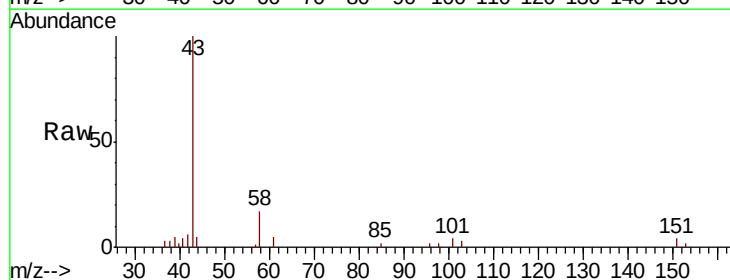
Acq: 28 May 2019 14:31

Tgt Ion: 43 Resp: 79767

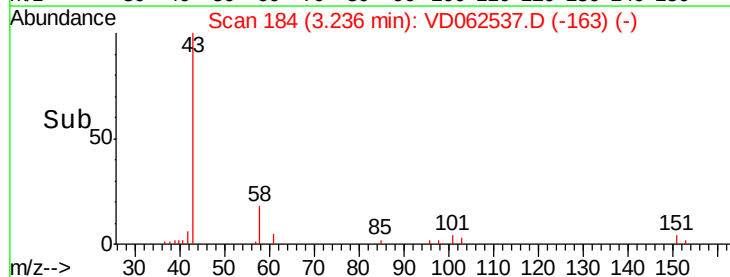
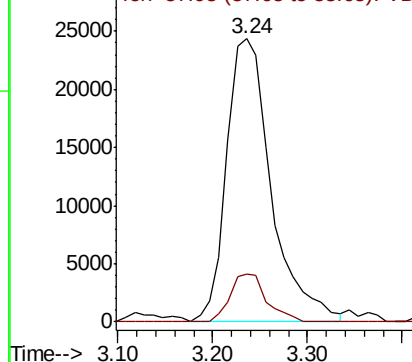
Ion Ratio Lower Upper

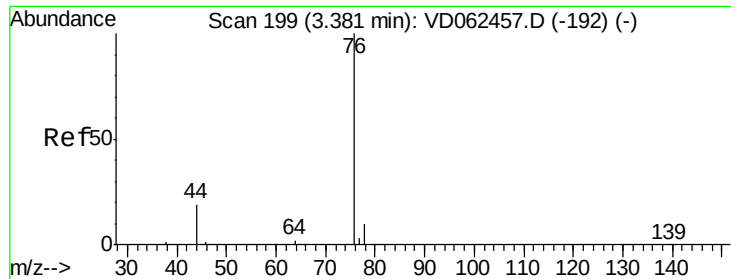
43 100

58 17.1 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: 18.001 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.01 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

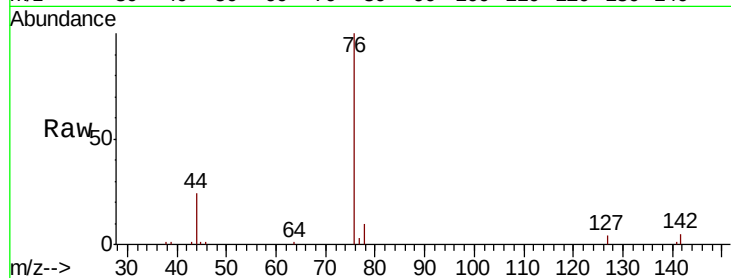
VD0528SBS01

Tot Ion: 76 Resp: 165885

Ion Ratio Lower Upper

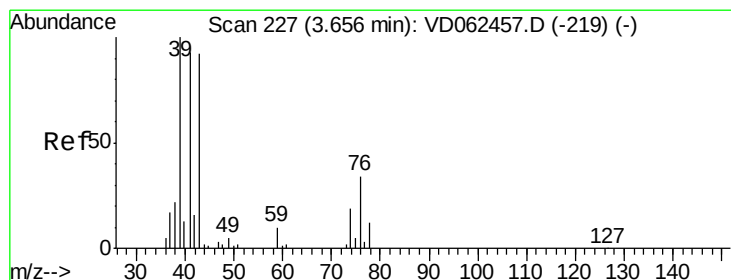
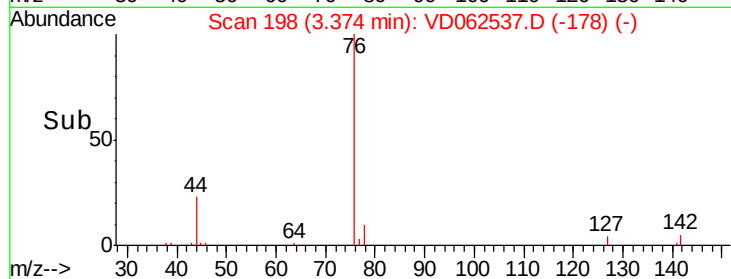
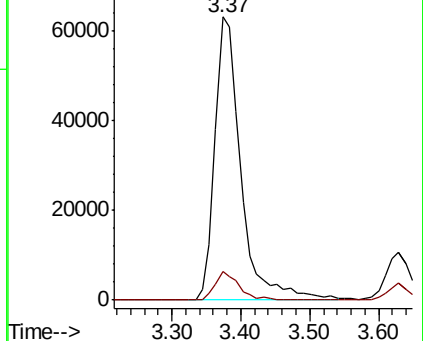
76 100

78 10.0 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 20.473 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.00 min

Lab File: VD062537.D

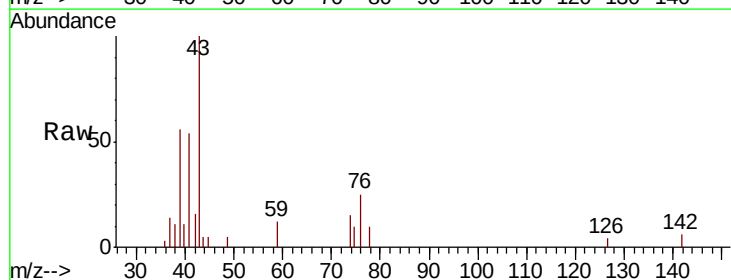
Acq: 28 May 2019 14:31

Tgt Ion: 43 Resp: 27842

Ion Ratio Lower Upper

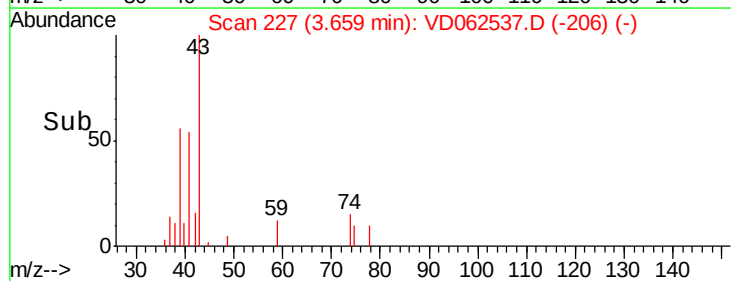
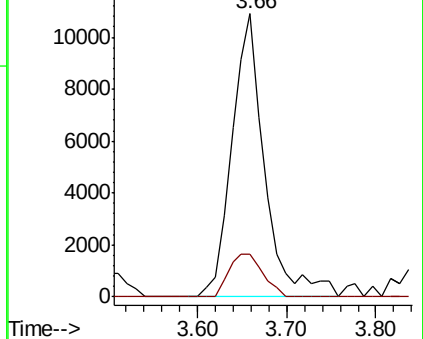
43 100

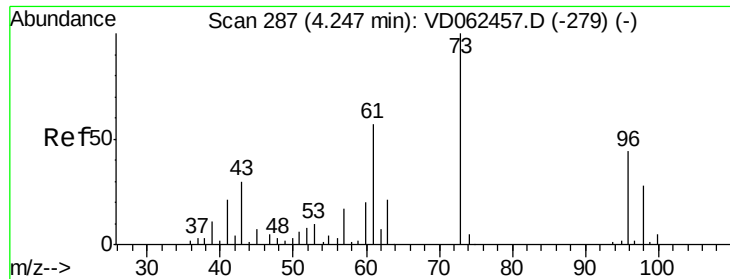
74 14.9 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

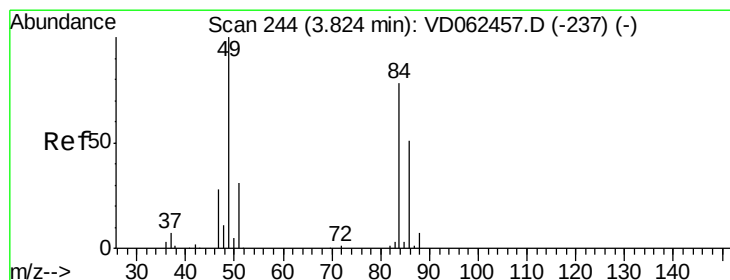
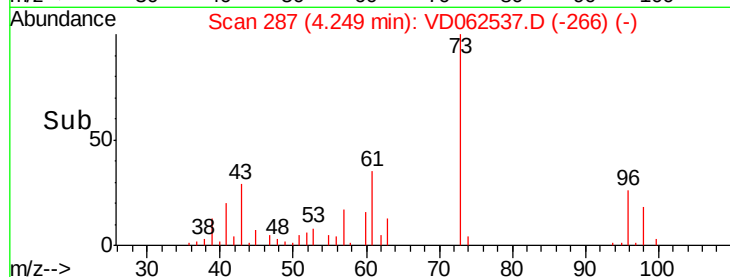
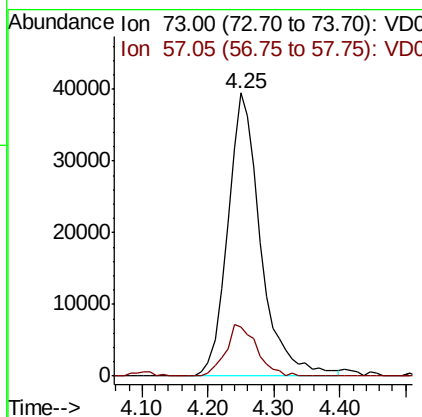
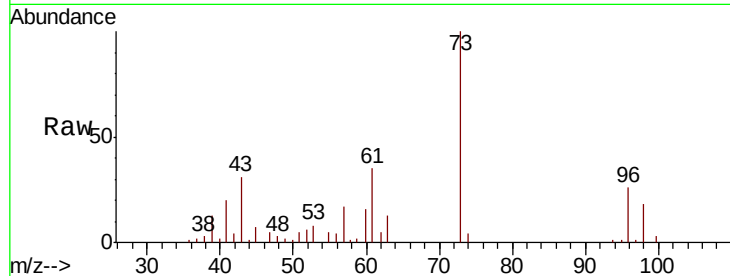




#19
Methyl tert-butyl Ether
Concen: 19.657 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD062537.D
Acq: 28 May 2019 14:31

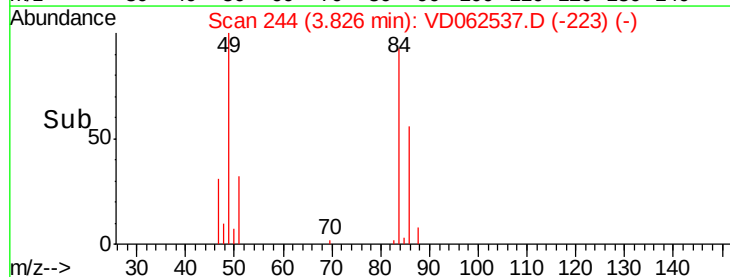
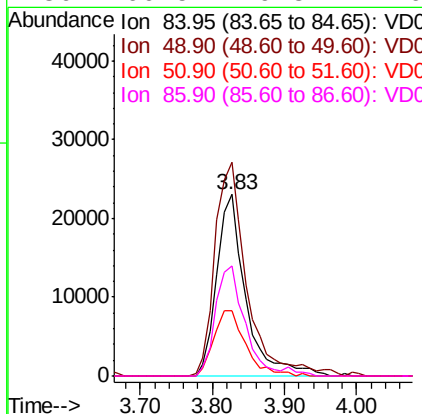
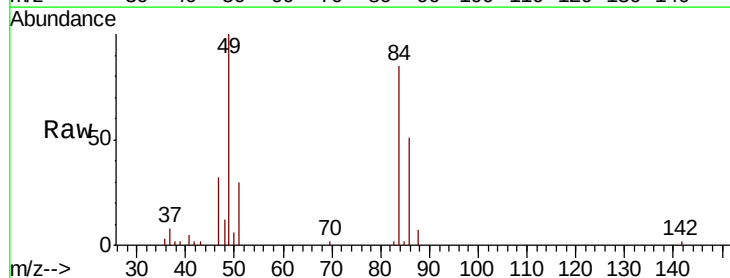
Instrument :
MSVOA_D
ClientSampleId :
VD0528SBS01

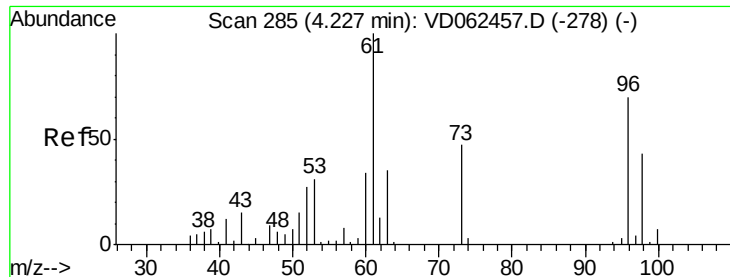
Tot Ion: 73 Resp: 138146
Ion Ratio Lower Upper
73 100
57 18.6 16.3 24.5



#20
Methylene Chloride
Concen: 14.704 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD062537.D
Acq: 28 May 2019 14:31

Tgt Ion: 84 Resp: 64290
Ion Ratio Lower Upper
84 100
49 117.6 94.0 141.0
51 35.6 29.0 43.4
86 60.5 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 17.743 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBS01

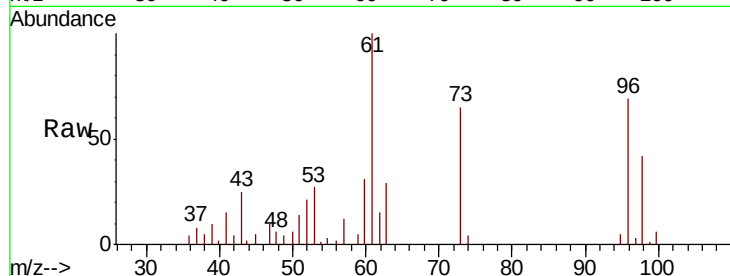
Tot Ion: 96 Resp: 63202

Ion Ratio Lower Upper

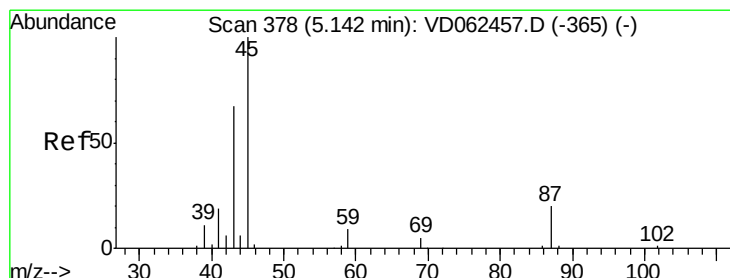
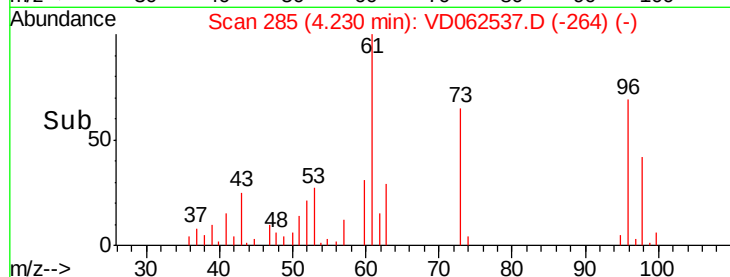
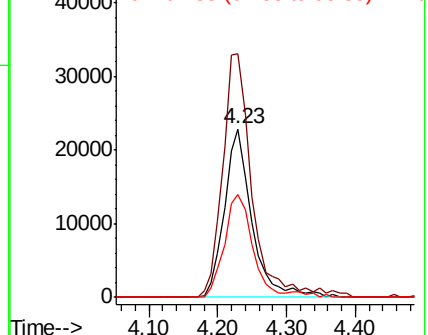
96 100

61 144.7 104.4 156.6

98 61.5 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: 18.265 ug/l

RT: 5.14 min Scan# 377

Delta R.T. -0.01 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

Tgt Ion: 45 Resp: 174425

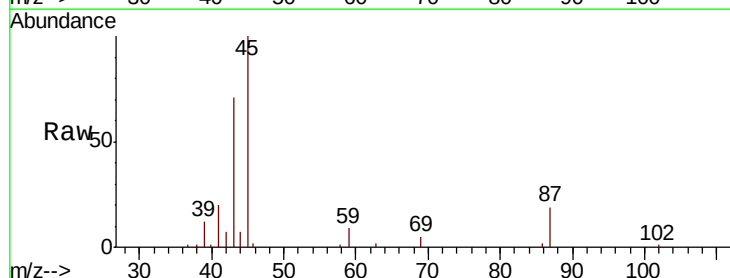
Ion Ratio Lower Upper

45 100

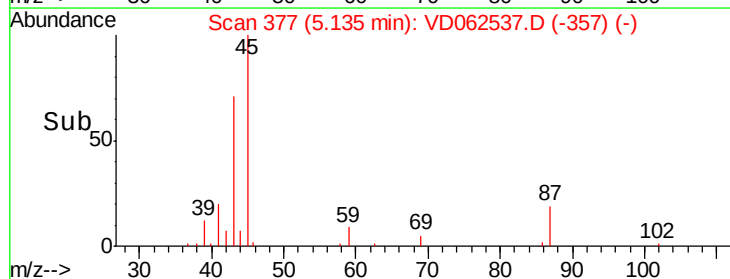
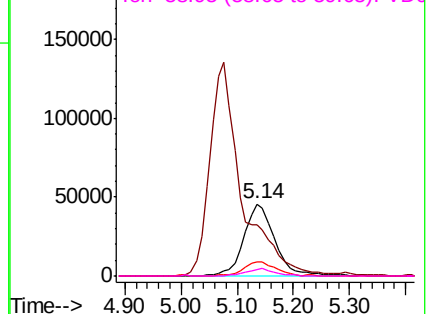
43 69.5 46.2 69.2#

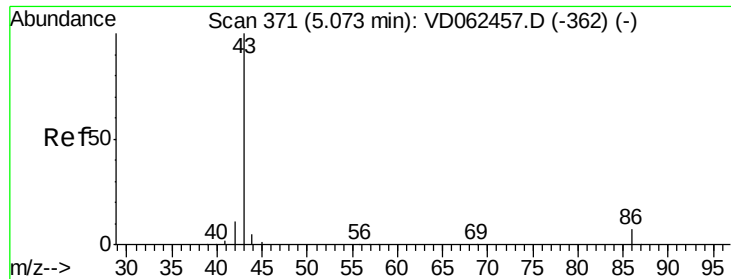
87 18.7 15.9 23.9

59 9.2 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: 92.734 ug/l

RT: 5.08 min Scan# 371

Delta R.T. 0.00 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

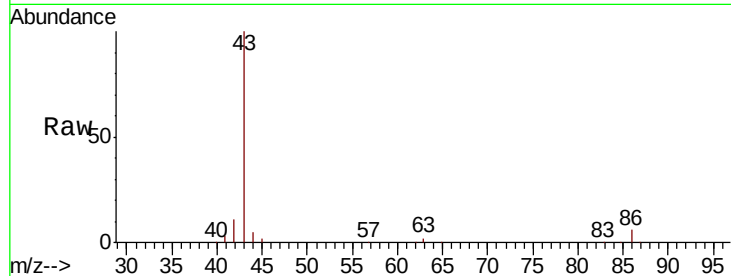
VD0528SBS01

Tot Ion: 43 Resp: 535106

Ion Ratio Lower Upper

43 100

86 6.5 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.08

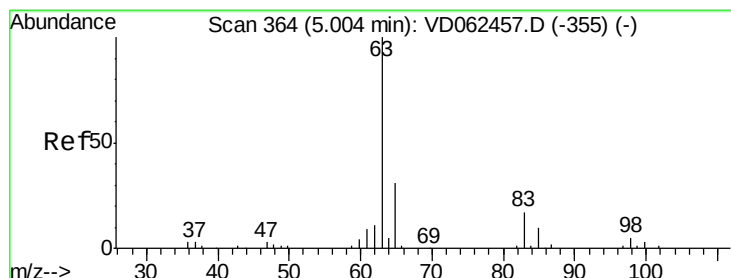
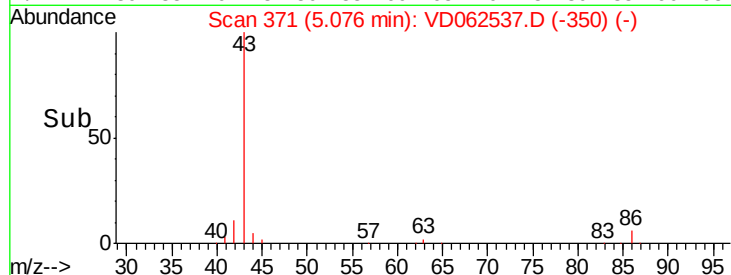
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 17.992 ug/l

RT: 5.00 min Scan# 363

Delta R.T. -0.01 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

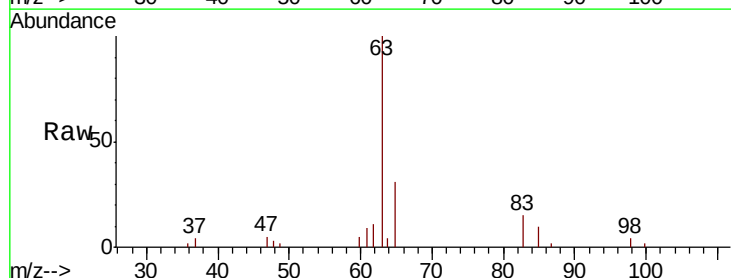
Tgt Ion: 63 Resp: 110658

Ion Ratio Lower Upper

63 100

98 4.4 2.8 8.4

100 2.4 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

5.00

40000

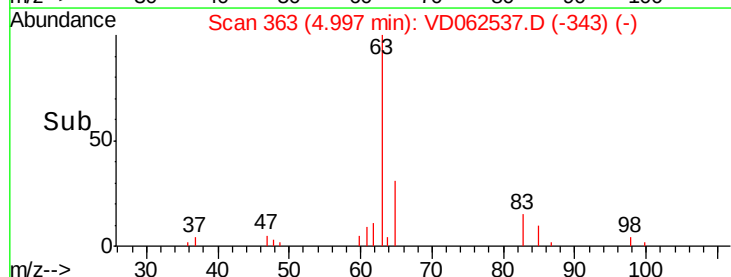
30000

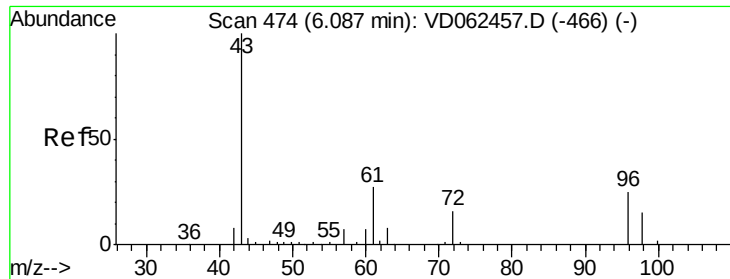
20000

10000

0

Time-->





#25

2-Butanone

Concen: 86.154 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

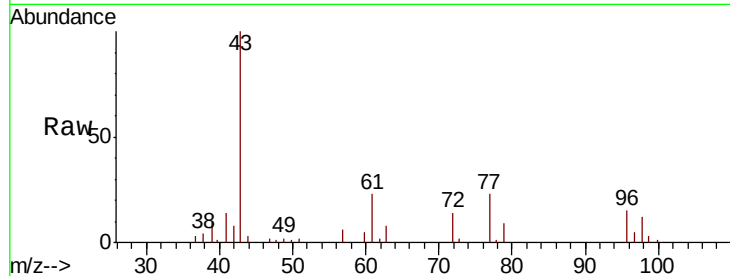
VD0528SBS01

Tot Ion: 43 Resp: 71017

Ion Ratio Lower Upper

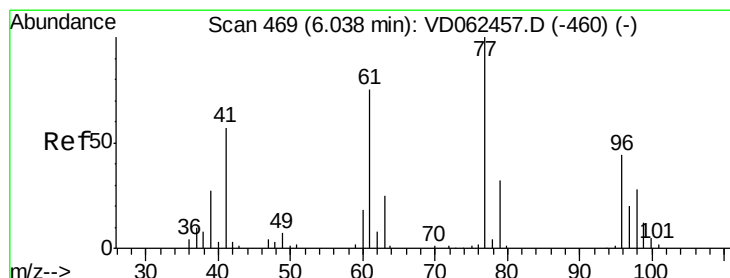
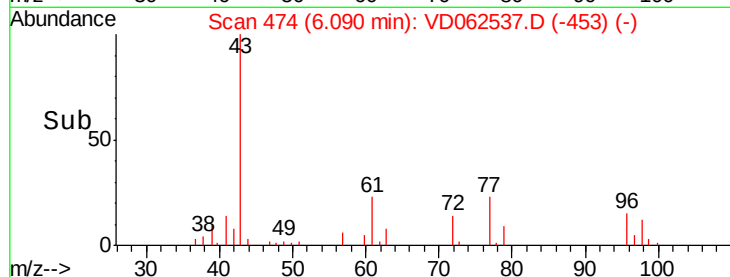
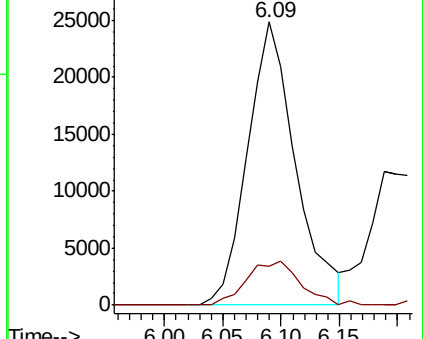
43 100

72 13.8 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.986 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD062537.D

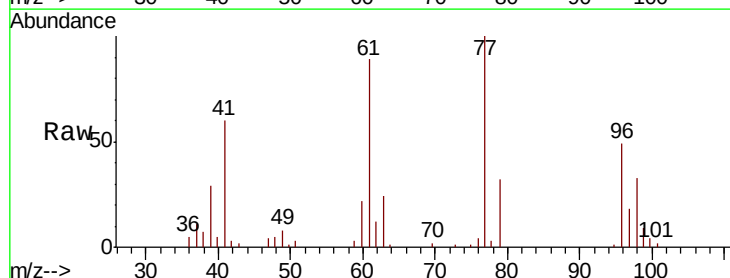
Acq: 28 May 2019 14:31

Tgt Ion: 77 Resp: 132505

Ion Ratio Lower Upper

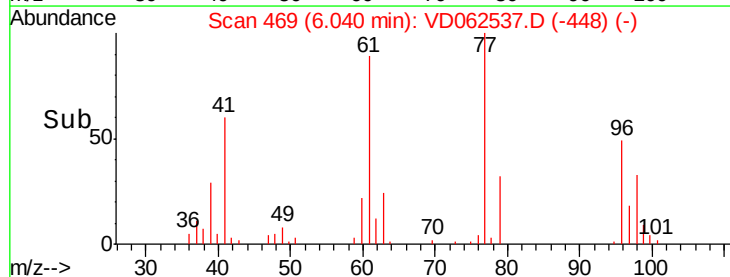
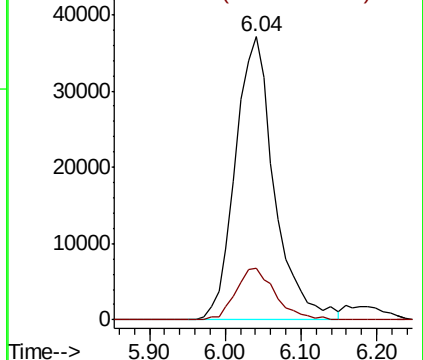
77 100

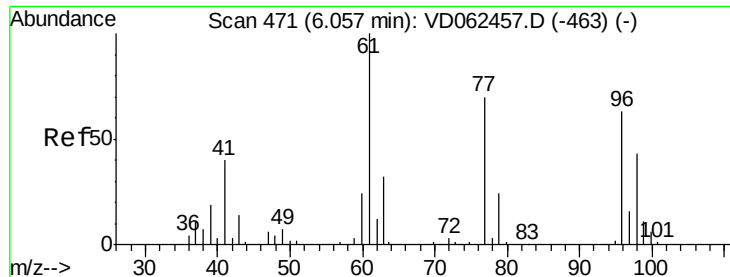
97 18.1 11.9 35.9



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: 17.464 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.01 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBS01

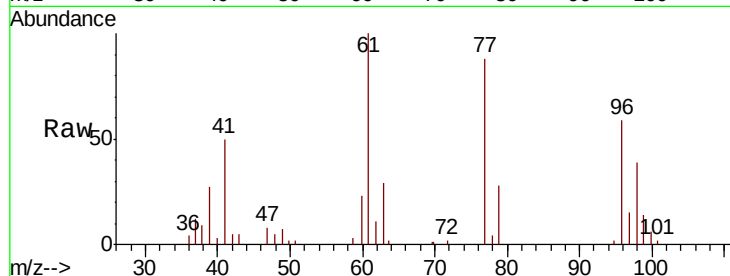
Tot Ion: 96 Resp: 67080

Ion Ratio Lower Upper

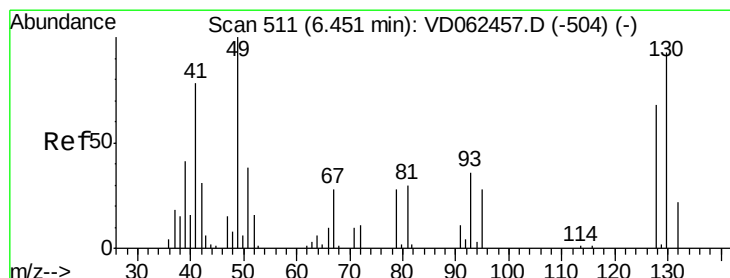
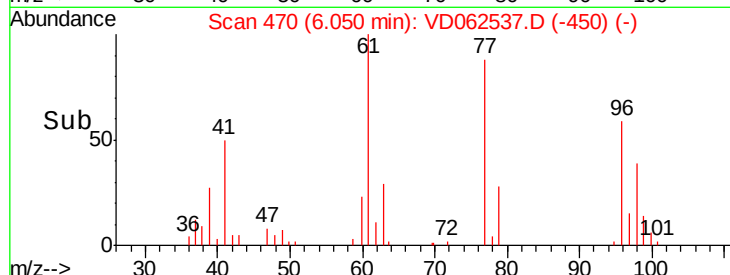
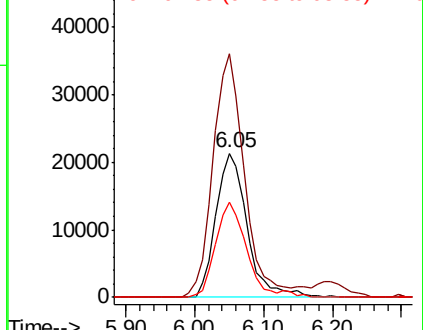
96 100

61 169.1 0.0 279.8

98 66.0 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: 17.462 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.00 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

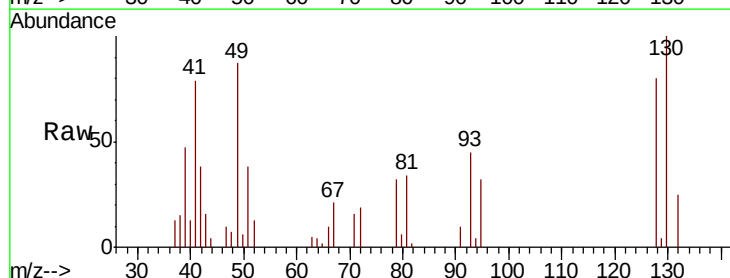
Tgt Ion: 49 Resp: 38545

Ion Ratio Lower Upper

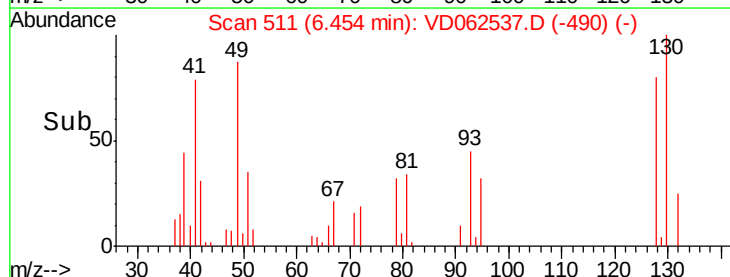
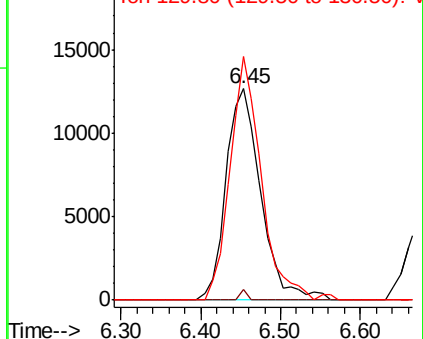
49 100

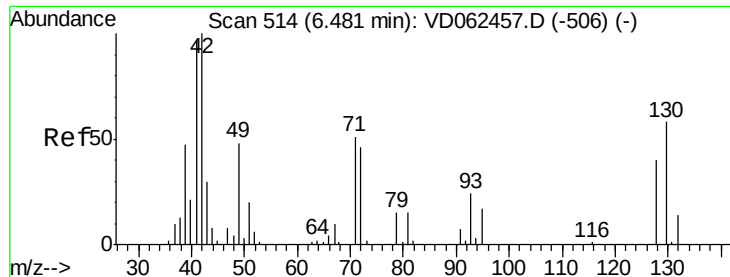
129 5.0 0.0 6.6

130 115.1 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

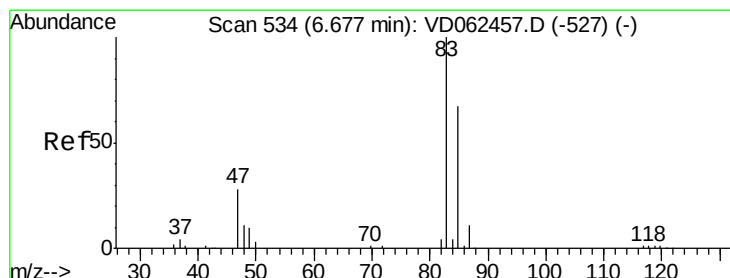
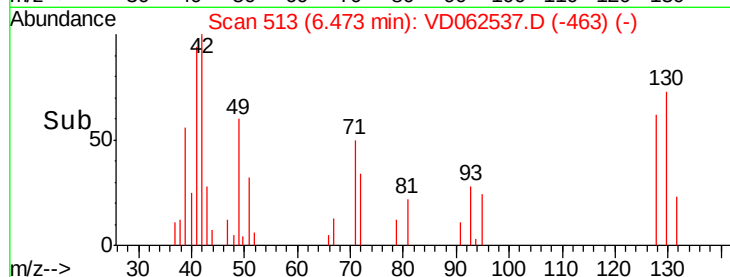
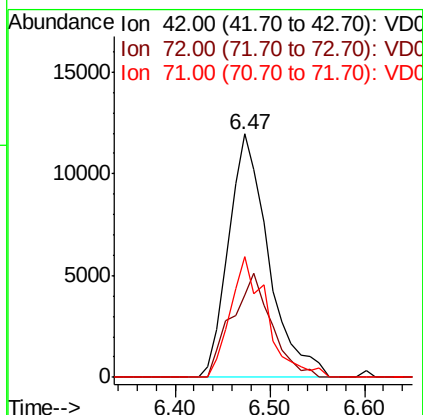
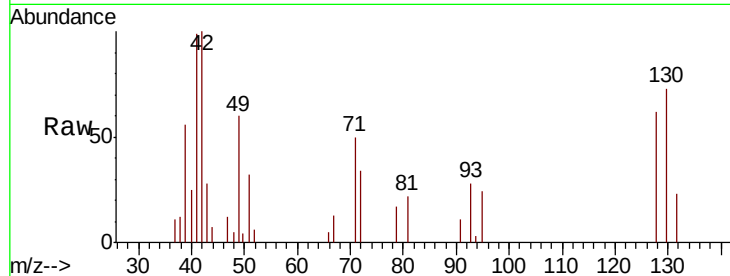




#29
Tetrahydrofuran
Concen: 88.842 ug/l
RT: 6.47 min Scan# 513
Delta R.T. -0.01 min
Lab File: VD062537.D
Acq: 28 May 2019 14:31

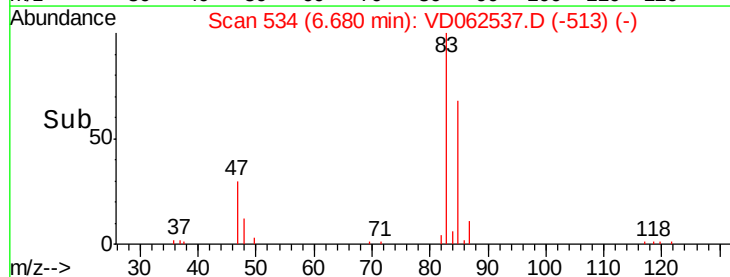
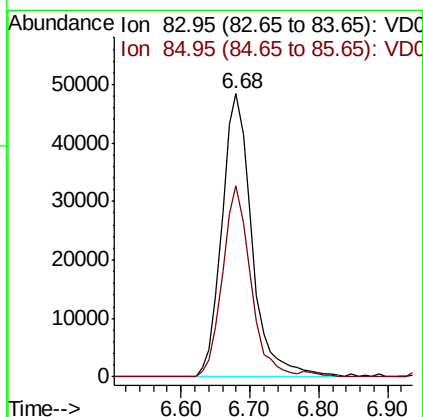
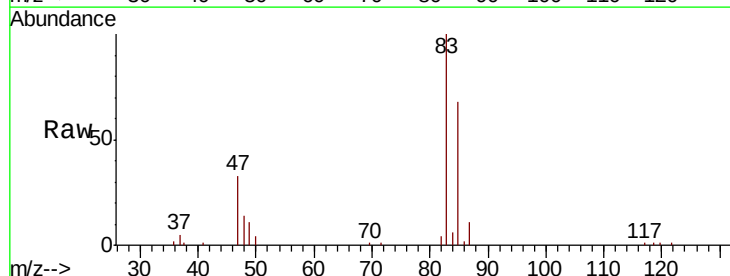
Instrument :
MSVOA_D
ClientSampleId :
VD0528SBS01

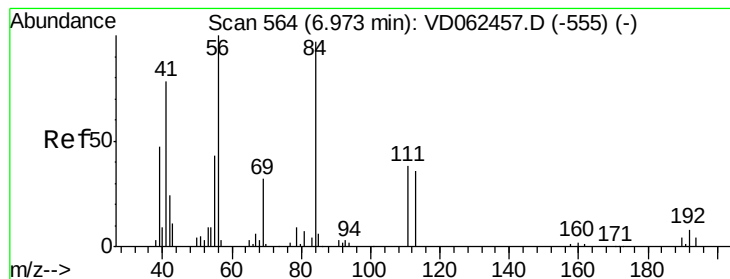
Tot Ion: 42 Resp: 34975
Ion Ratio Lower Upper
42 100
72 42.8 37.8 56.6
71 45.9 36.7 55.1



#30
Chloroform
Concen: 18.673 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.00 min
Lab File: VD062537.D
Acq: 28 May 2019 14:31

Tgt Ion: 83 Resp: 146410
Ion Ratio Lower Upper
83 100
85 67.6 51.7 77.5





#31

Cyclohexane

Concen: 16.989 ug/l

RT: 6.97 min Scan# 563

Delta R.T. -0.01 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBS01

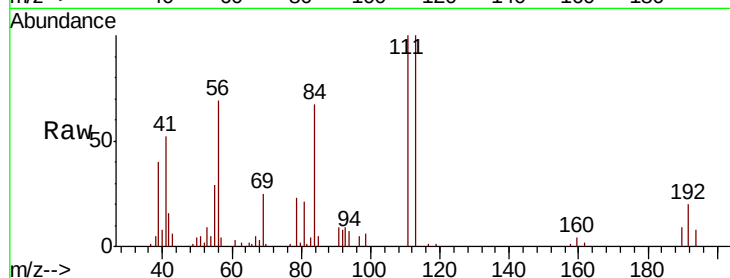
Tot Ion: 56 Resp: 70549

Ion Ratio Lower Upper

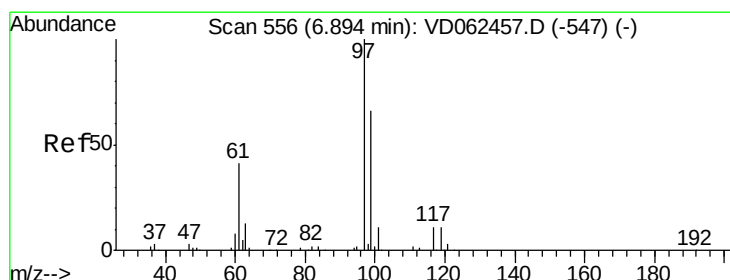
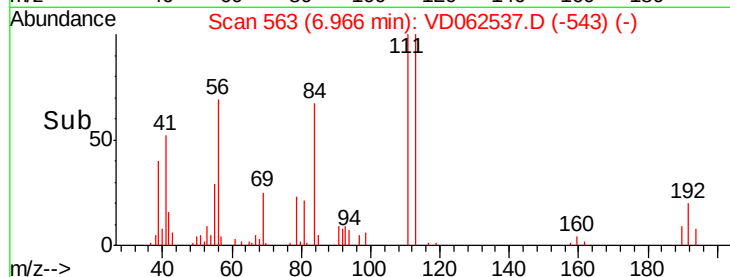
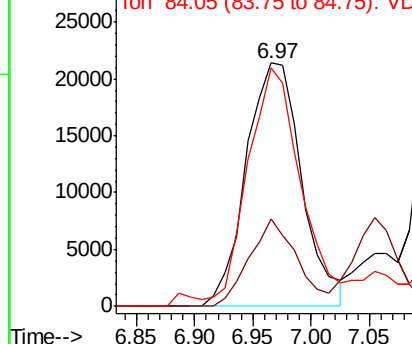
56 100

69 36.0 25.8 38.6

84 97.9 72.2 108.4



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



#32

1,1,1-Trichloroethane

Concen: 19.797 ug/l

RT: 6.89 min Scan# 555

Delta R.T. -0.01 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

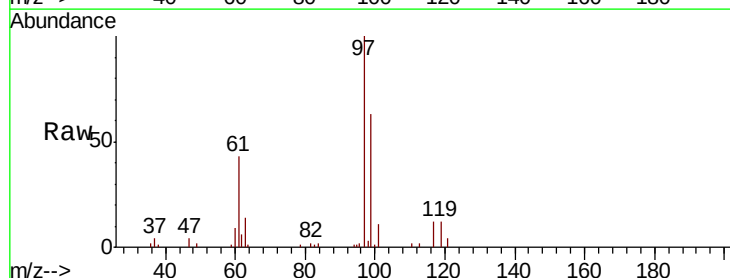
Tgt Ion: 97 Resp: 156711

Ion Ratio Lower Upper

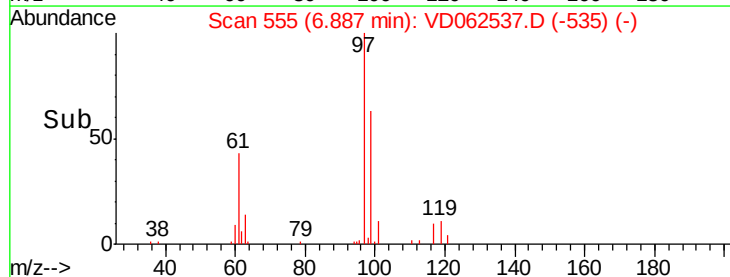
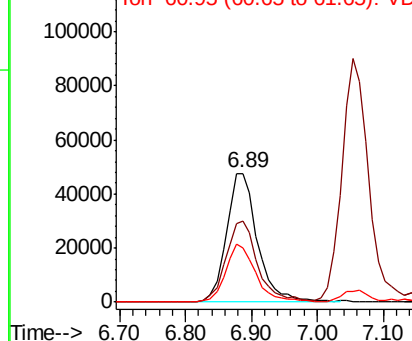
97 100

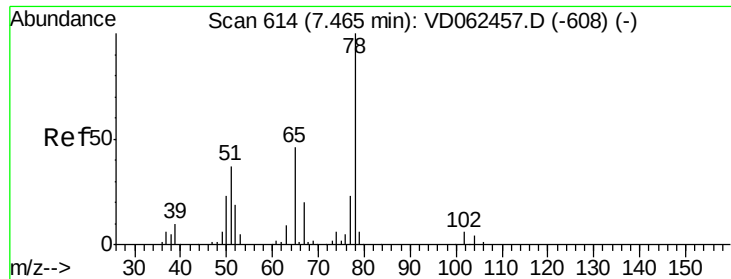
99 62.9 52.2 78.2

61 42.6 32.4 48.6



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

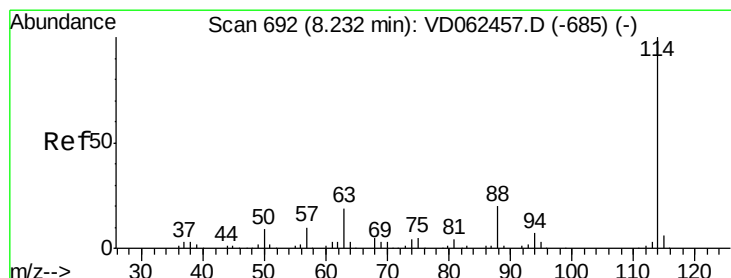
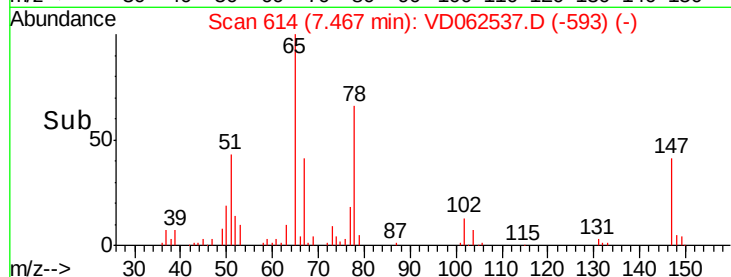
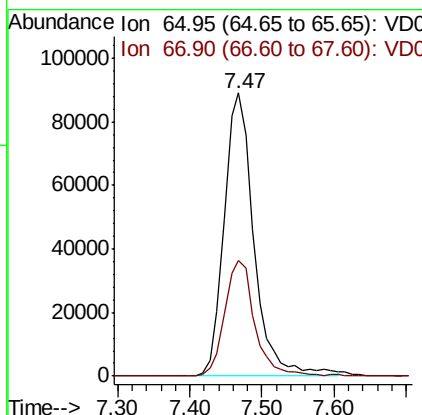
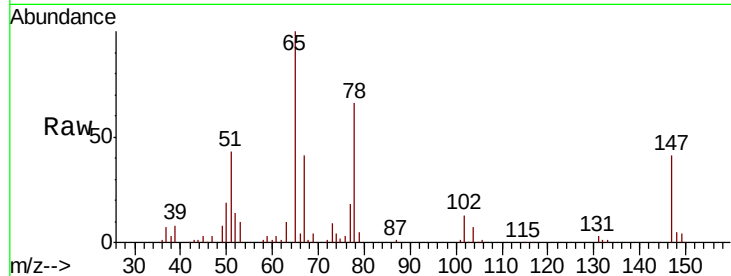




#33
 1,2-Dichloroethane-d4
 Concen: 57.907 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: VD062537.D
 Acq: 28 May 2019 14:31

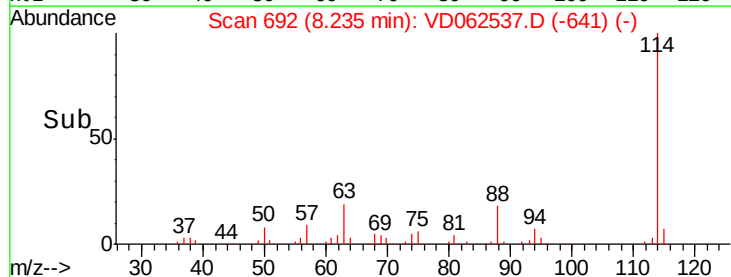
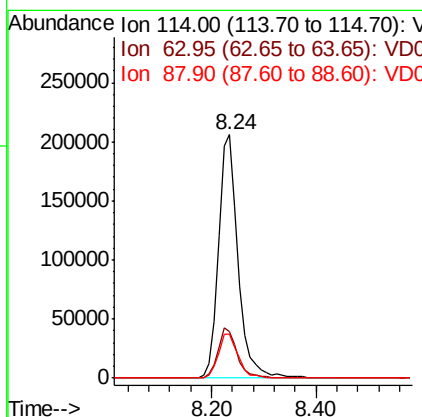
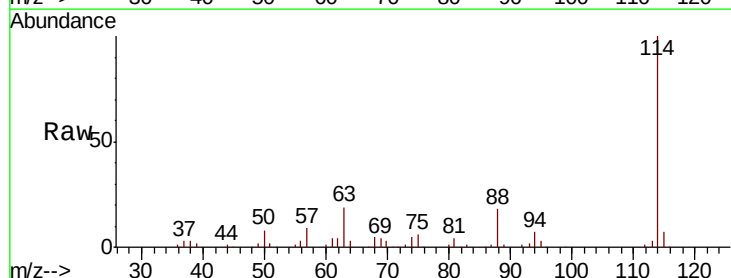
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBS01

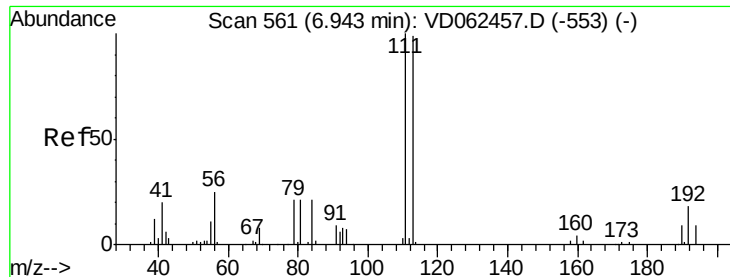
Tot Ion: 65 Resp: 254677
 Ion Ratio Lower Upper
 65 100
 67 41.0 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: VD062537.D
 Acq: 28 May 2019 14:31

Tgt Ion: 114 Resp: 532117
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 32.4
 88 18.0 0.0 33.6

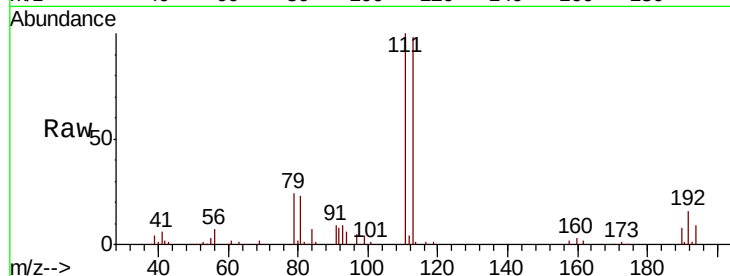




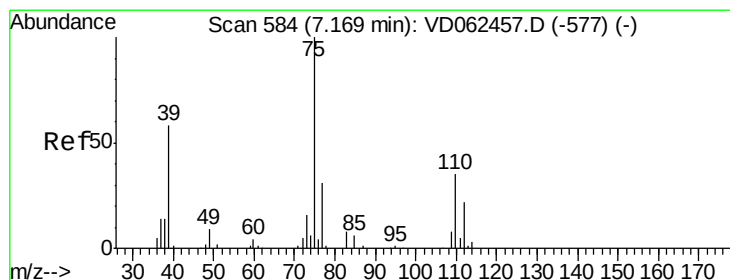
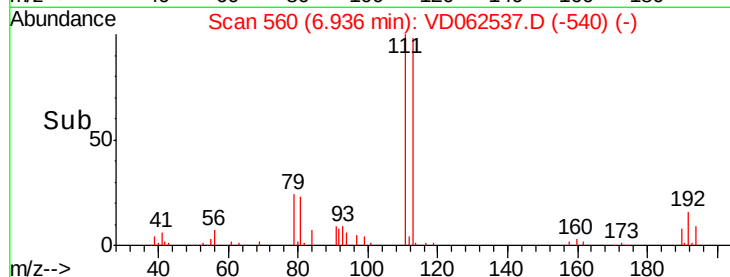
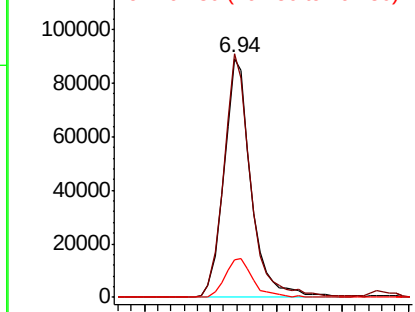
#35
 Dibromofluoromethane
 Concen: 53.169 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD062537.D
 Acq: 28 May 2019 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	78.5	117.7
192	15.8	13.0	19.4

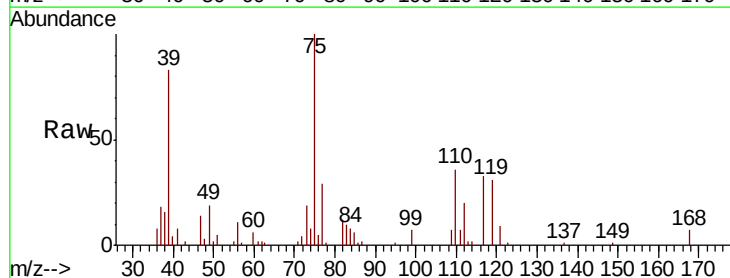


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

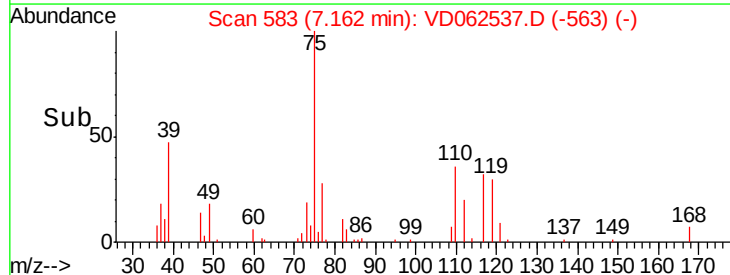
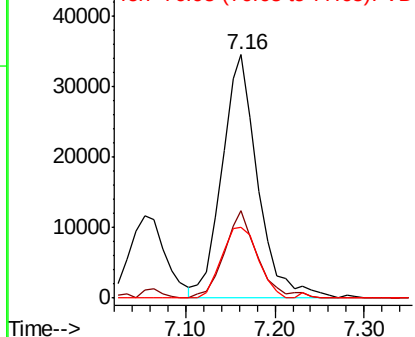


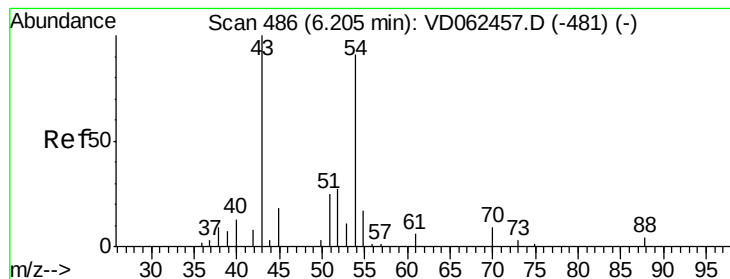
#36
 1,1-Dichloropropene
 Concen: 18.998 ug/l
 RT: 7.16 min Scan# 583
 Delta R.T. -0.01 min
 Lab File: VD062537.D
 Acq: 28 May 2019 14:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	19.1	57.1
77	28.9	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: 21.472 ug/l

RT: 6.19 min Scan# 484

Delta R.T. -0.02 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBS01

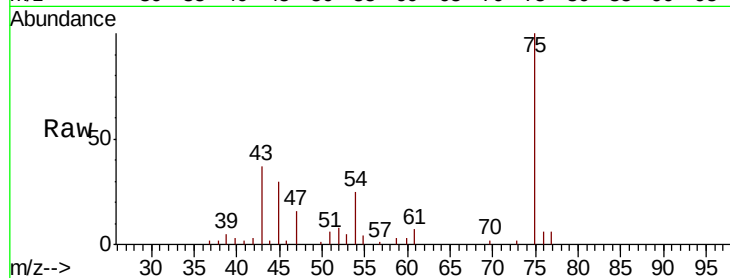
Tot Ion: 43 Resp: 42437

Ion Ratio Lower Upper

43 100

61 19.2 14.7 22.1

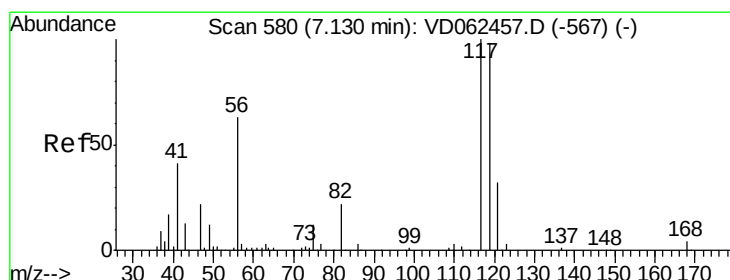
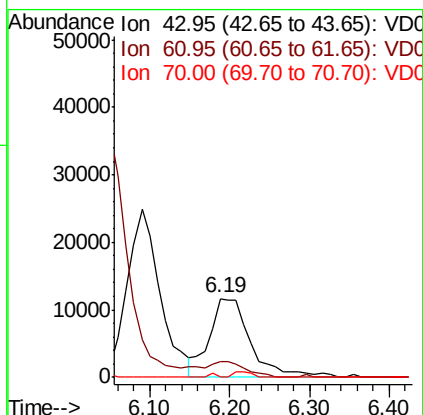
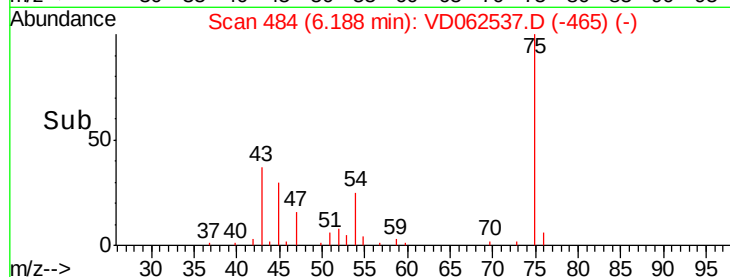
70 0.0 7.8 11.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 20.486 ug/l

RT: 7.12 min Scan# 579

Delta R.T. -0.01 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

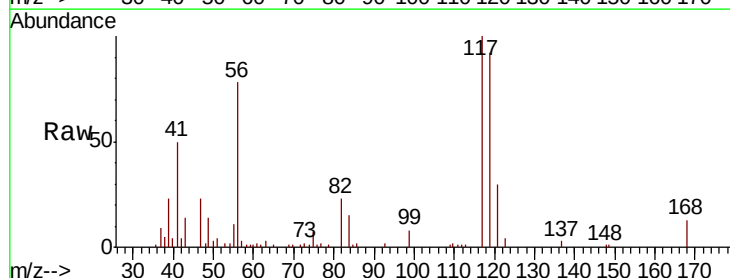
Tgt Ion: 117 Resp: 154891

Ion Ratio Lower Upper

117 100

119 92.3 75.8 113.8

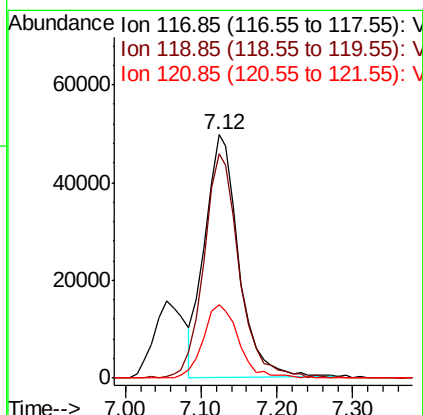
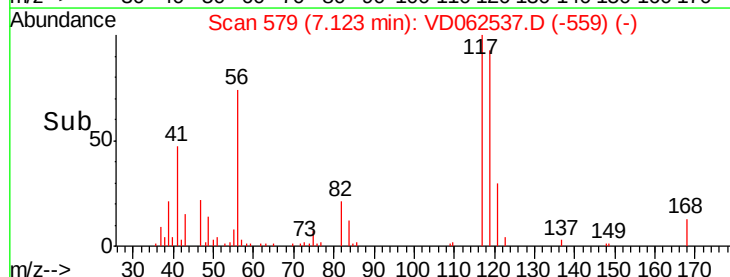
121 30.0 25.9 38.9

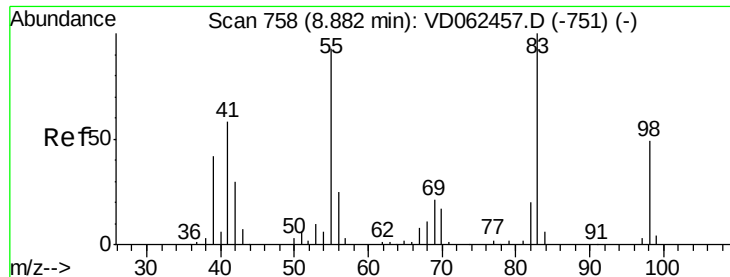


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

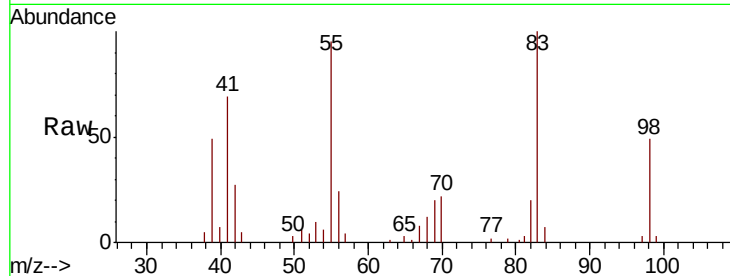




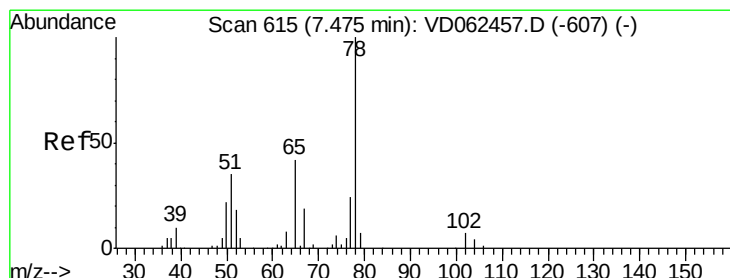
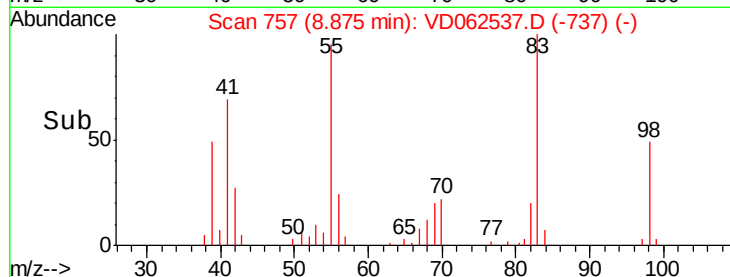
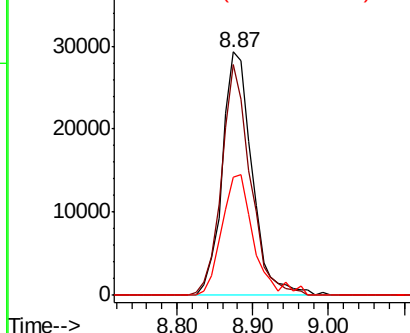
#39
Methylvlcyclohexane
Concen: 18.996 ug/l
RT: 8.87 min Scan# 757
Delta R.T. -0.01 min
Lab File: VD062537.D
Acq: 28 May 2019 14:31

Instrument :
MSVOA_D
ClientSampleId :
VD0528SBS01

Tot Ion: 83 Resp: 79711
Ion Ratio Lower Upper
83 100
55 95.1 68.2 102.4
98 48.5 38.2 57.4

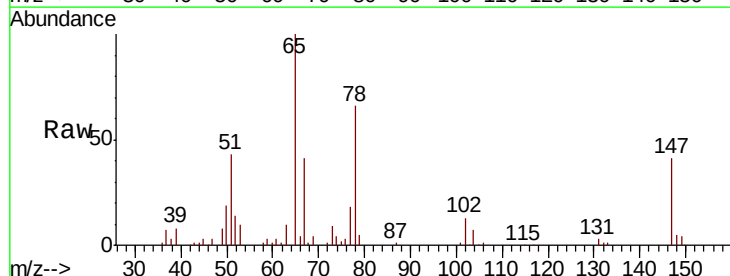


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

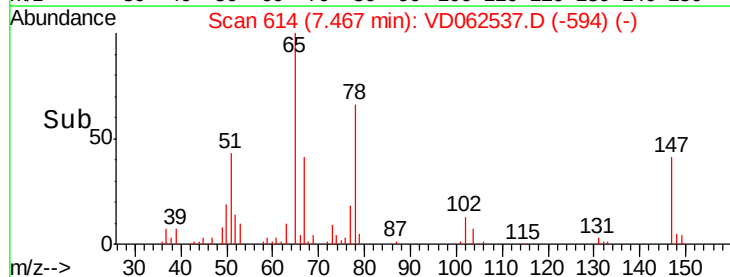
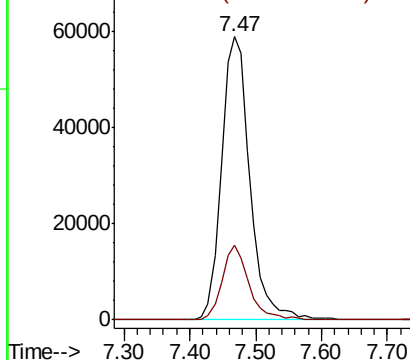


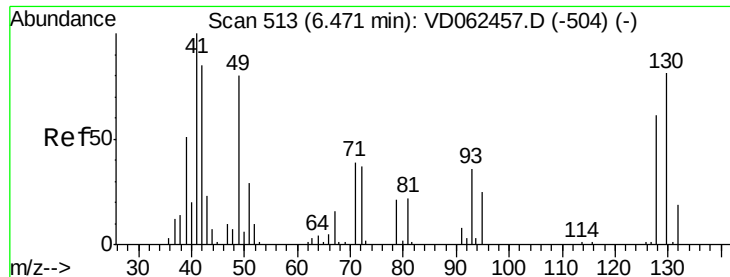
#40
Benzene
Concen: 17.719 ug/l
RT: 7.47 min Scan# 614
Delta R.T. -0.01 min
Lab File: VD062537.D
Acq: 28 May 2019 14:31

Tgt Ion: 78 Resp: 176816
Ion Ratio Lower Upper
78 100
77 26.6 19.7 29.5



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





#41

Methacrylonitrile

Concen: 19.518 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.00 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBS01

Tot Ion: 41 Resp: 48448

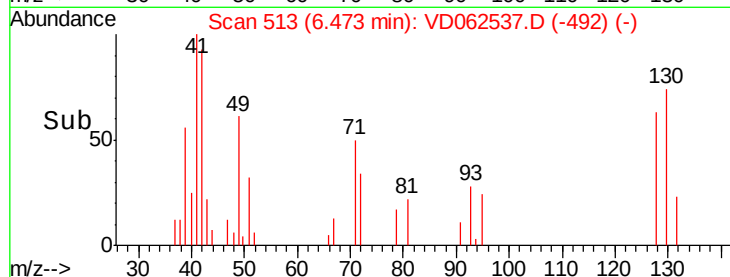
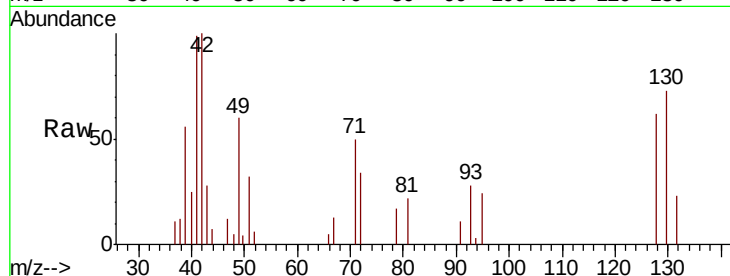
Ion Ratio Lower Upper

41 100

39 56.4 34.1 51.1#

67 13.5 23.8 35.6#

52 6.2 8.8 13.2#

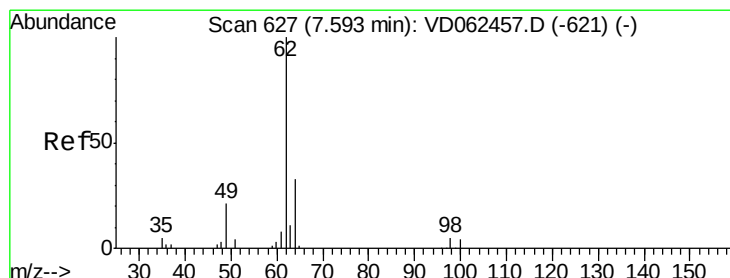
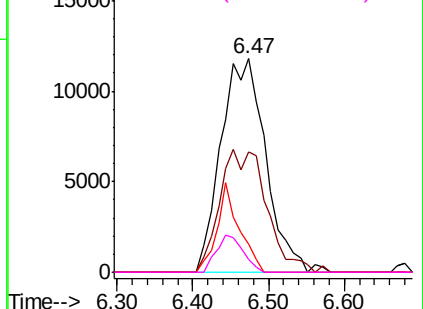


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 20.675 ug/l

RT: 7.60 min Scan# 627

Delta R.T. 0.00 min

Lab File: VD062537.D

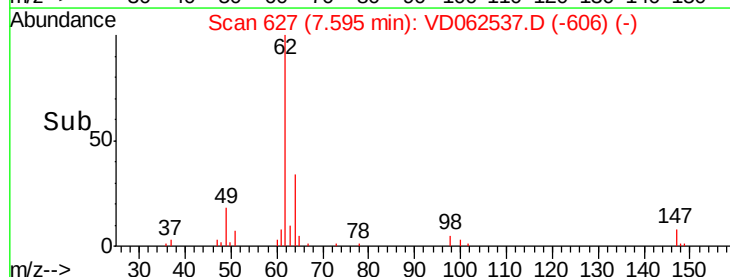
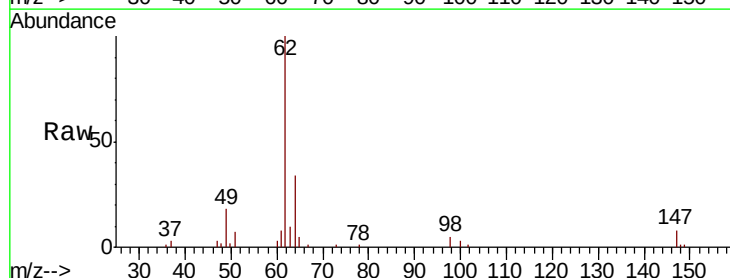
Acq: 28 May 2019 14:31

Tgt Ion: 62 Resp: 109252

Ion Ratio Lower Upper

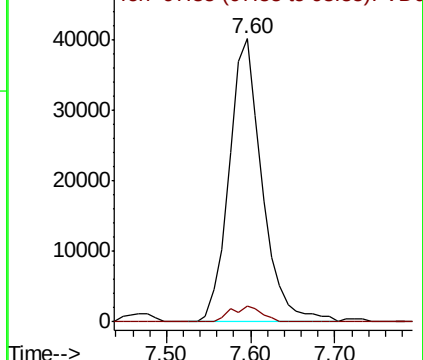
62 100

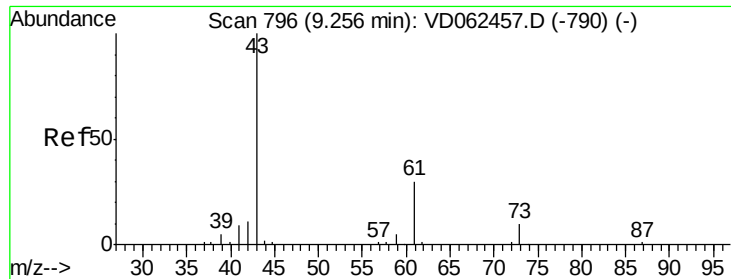
98 5.4 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 18.440 ug/l

RT: 9.25 min Scan# 795

Delta R.T. -0.01 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBS01

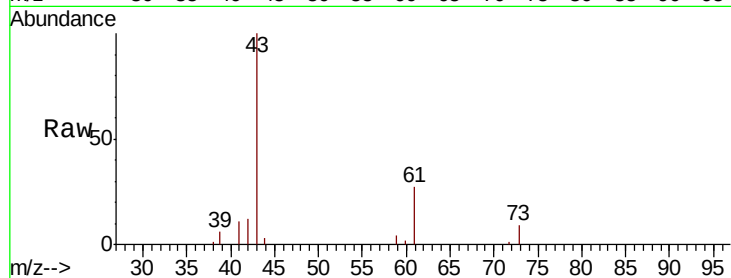
Tot Ion: 43 Resp: 48348

Ion Ratio Lower Upper

43 100

61 26.7 25.1 37.7

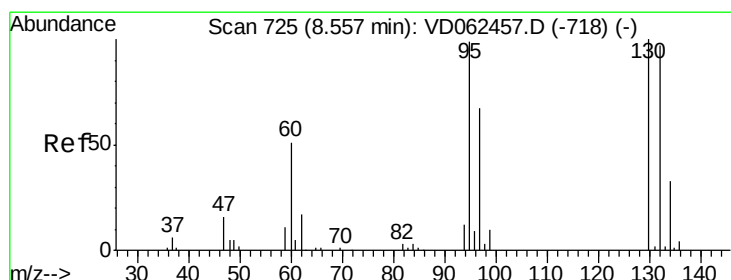
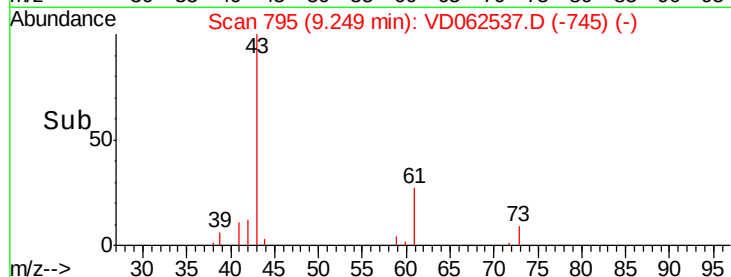
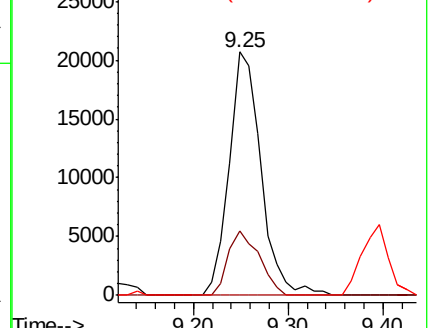
87 0.0 0.0 0.0



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: 18.617 ug/l

RT: 8.55 min Scan# 724

Delta R.T. -0.01 min

Lab File: VD062537.D

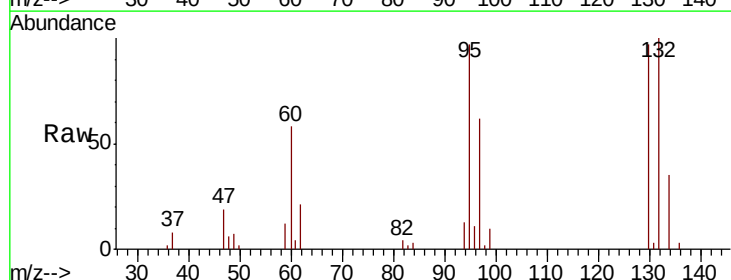
Acq: 28 May 2019 14:31

Tgt Ion:130 Resp: 74386

Ion Ratio Lower Upper

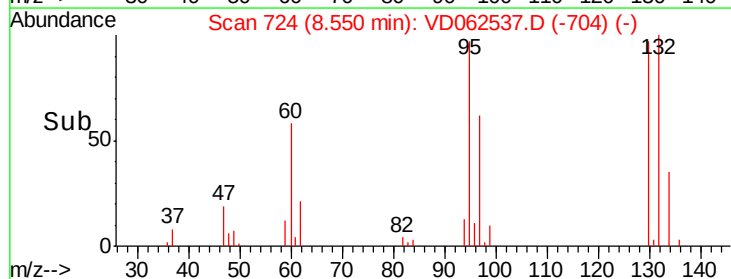
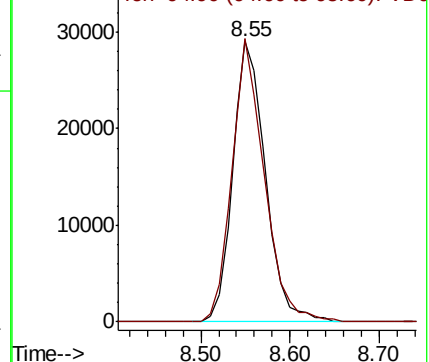
130 100

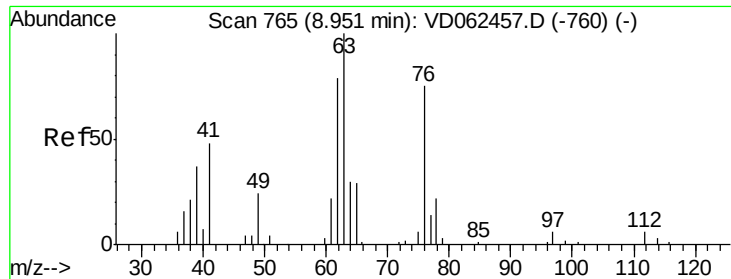
95 100.9 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

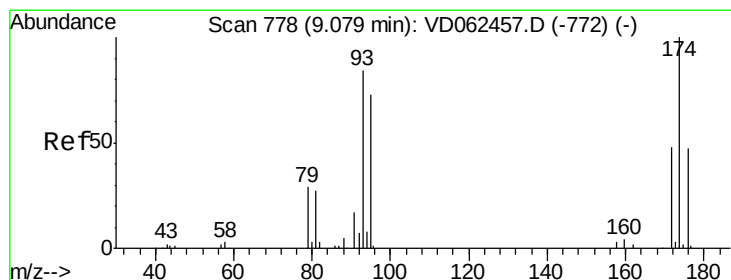
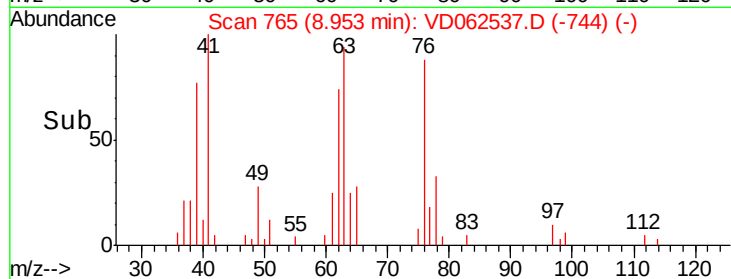
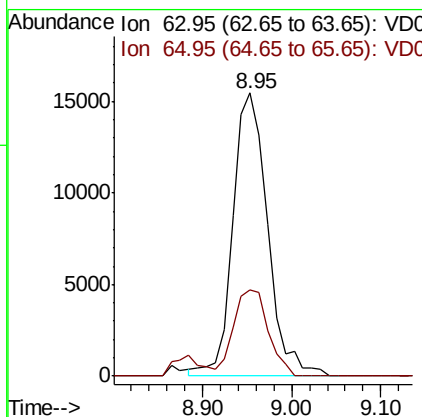
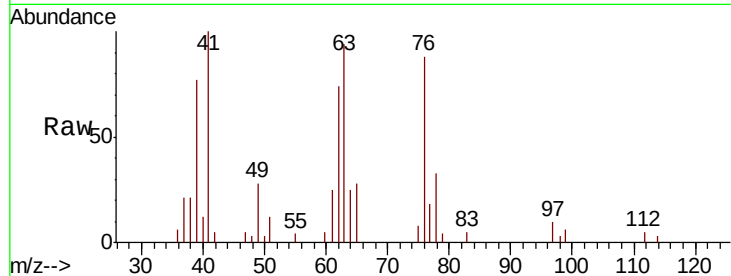




#45
 1,2-Dichloropropane
 Concen: 17.319 ug/l
 RT: 8.95 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: VD062537.D
 Acq: 28 May 2019 14:31

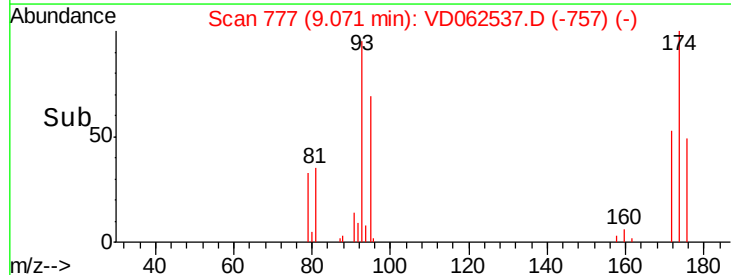
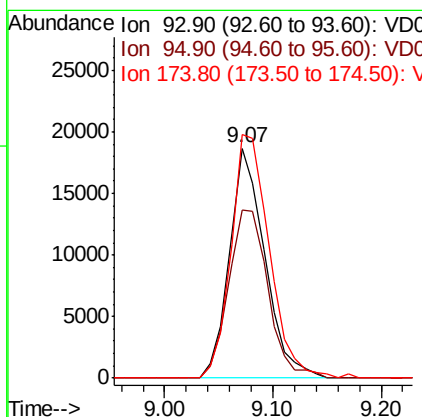
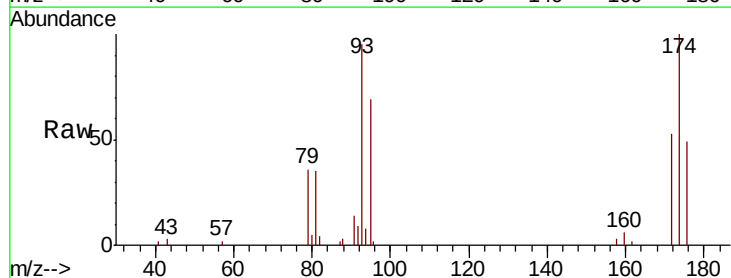
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBS01

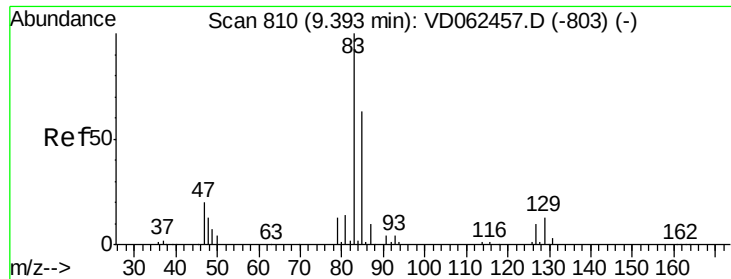
Tot Ion: 63 Resp: 42117
 Ion Ratio Lower Upper
 63 100
 65 30.4 23.8 35.6



#46
 Dibromomethane
 Concen: 19.253 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. -0.01 min
 Lab File: VD062537.D
 Acq: 28 May 2019 14:31

Tgt Ion: 93 Resp: 42442
 Ion Ratio Lower Upper
 93 100
 95 73.2 64.8 97.2
 174 105.8 79.3 118.9





#47

Bromodichloromethane

Concen: 21.031 ug/l

RT: 9.39 min Scan# 809

Delta R.T. -0.01 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBS01

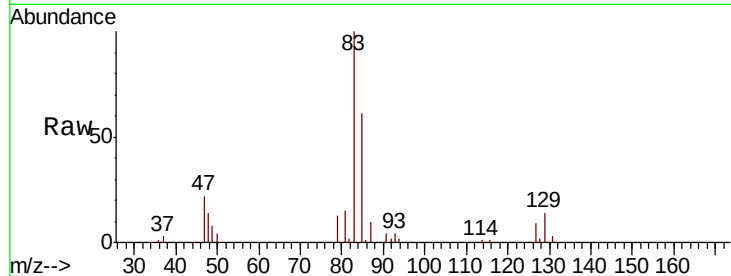
Tot Ion: 83 Resp: 117937

Ion Ratio Lower Upper

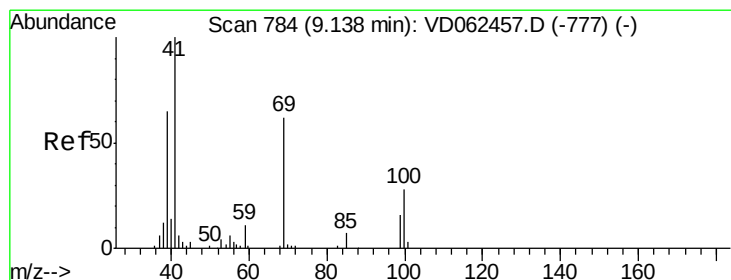
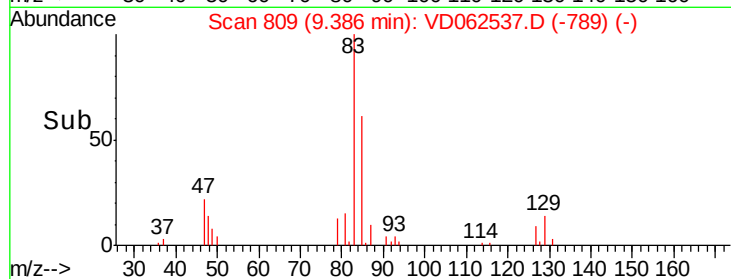
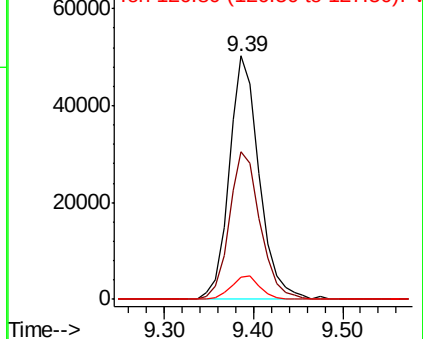
83 100

85 60.7 50.9 76.3

127 9.1 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: 19.566 ug/l

RT: 9.13 min Scan# 783

Delta R.T. -0.01 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

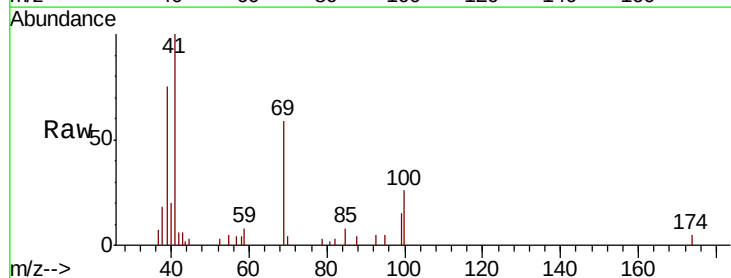
Tgt Ion: 41 Resp: 34522

Ion Ratio Lower Upper

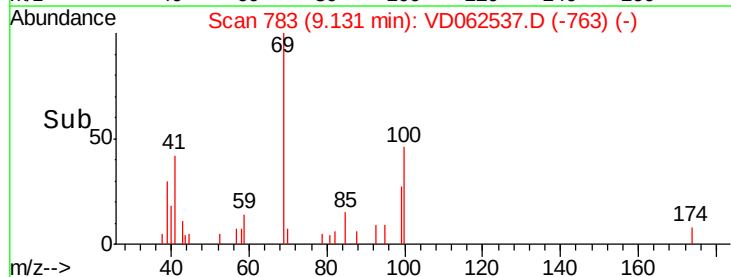
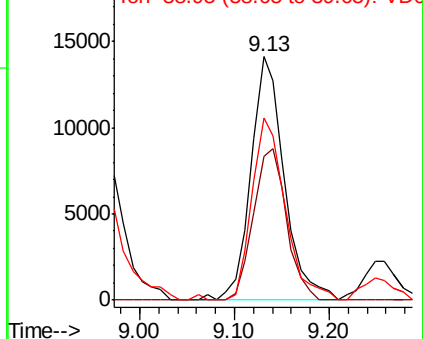
41 100

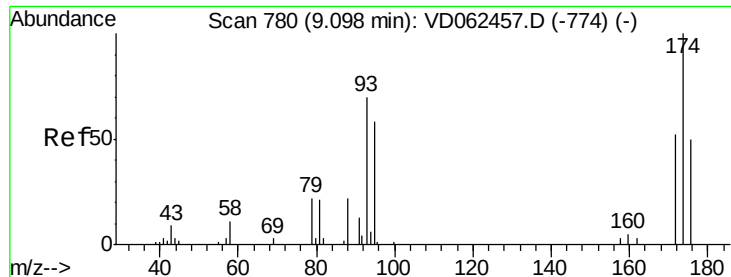
69 58.9 64.2 96.2#

39 74.9 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

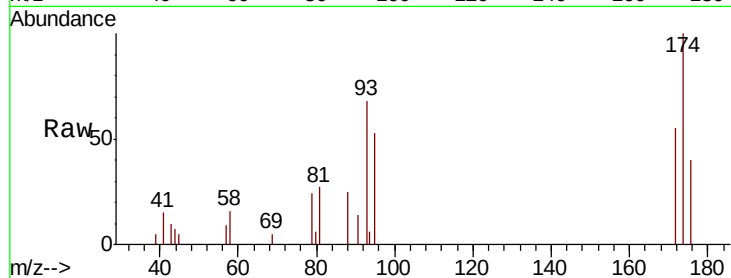




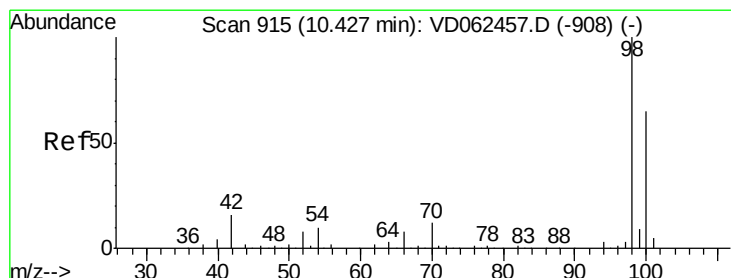
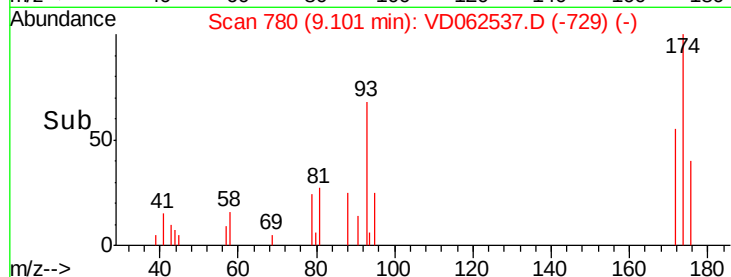
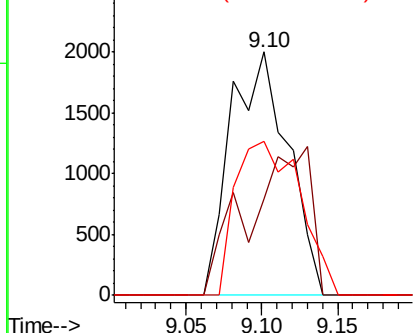
#49
 1,4-Dioxane
 Concen: 335.462 ug/l
 RT: 9.10 min Scan# 780
 Delta R.T. 0.00 min
 Lab File: VD062537.D
 Acq: 28 May 2019 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBS01

Tot Ion: 88 Resp: 5309
 Ion Ratio Lower Upper
 88 100
 43 39.5 23.4 35.0#
 58 63.2 44.0 66.0

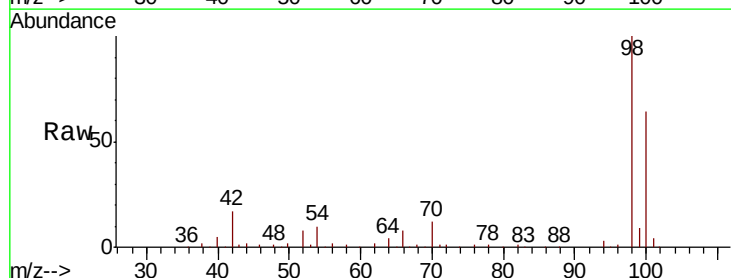


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

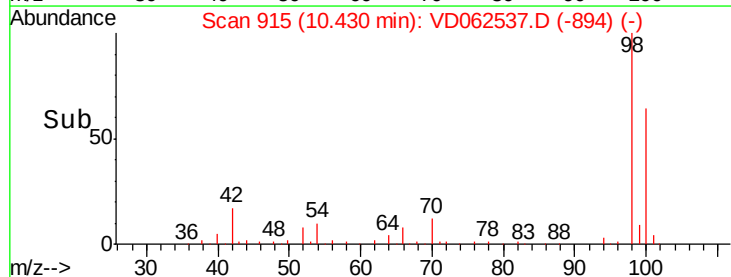
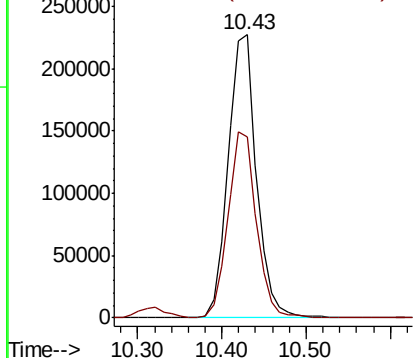


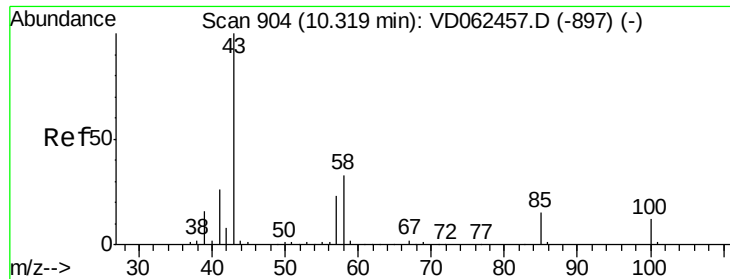
#50
 Toluene-d8
 Concen: 50.566 ug/l
 RT: 10.43 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VD062537.D
 Acq: 28 May 2019 14:31

Tgt Ion: 98 Resp: 531202
 Ion Ratio Lower Upper
 98 100
 100 64.1 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: 101.144 ug/l

RT: 10.31 min Scan# 903

Delta R.T. -0.01 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

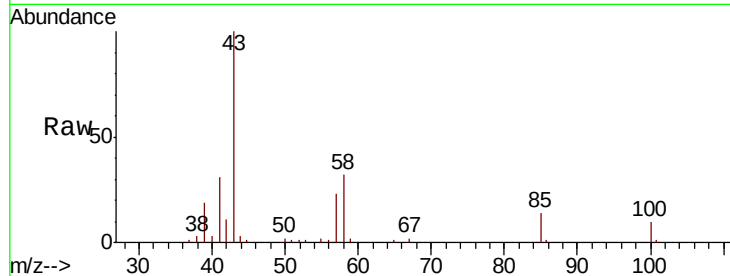
VD0528SBS01

Tot Ion: 43 Resp: 175188

Ion Ratio Lower Upper

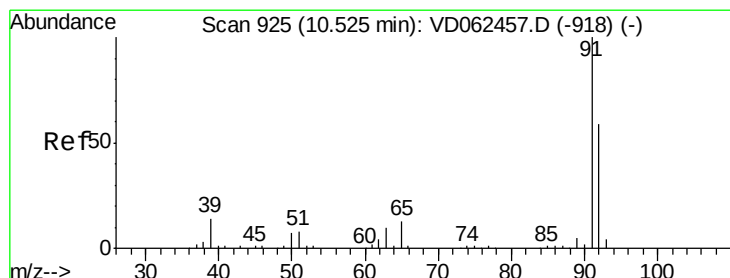
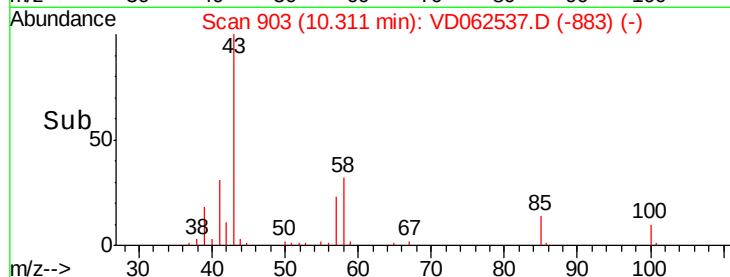
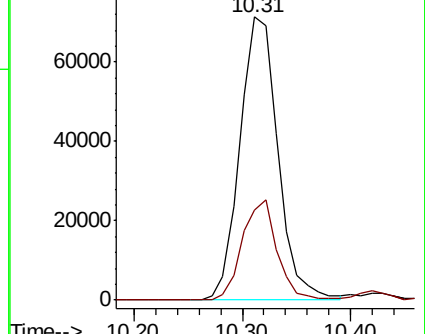
43 100

58 31.8 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: 18.207 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.01 min

Lab File: VD062537.D

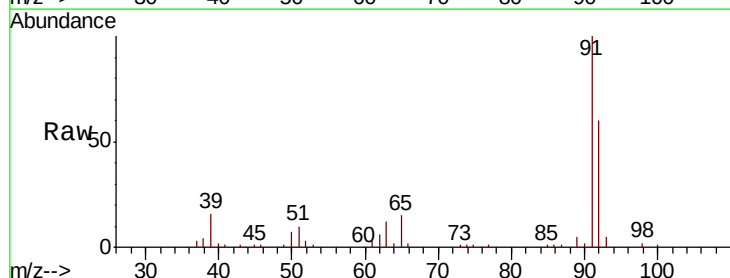
Acq: 28 May 2019 14:31

Tgt Ion: 92 Resp: 124384

Ion Ratio Lower Upper

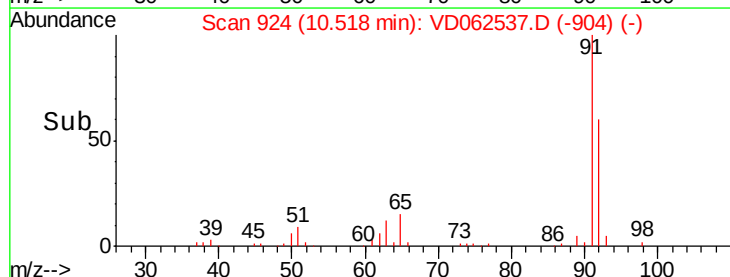
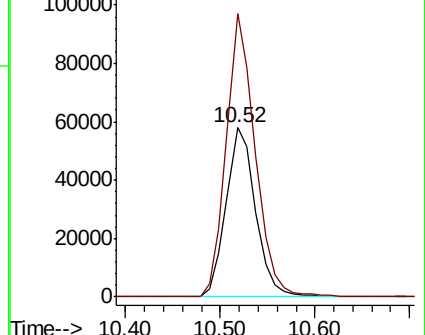
92 100

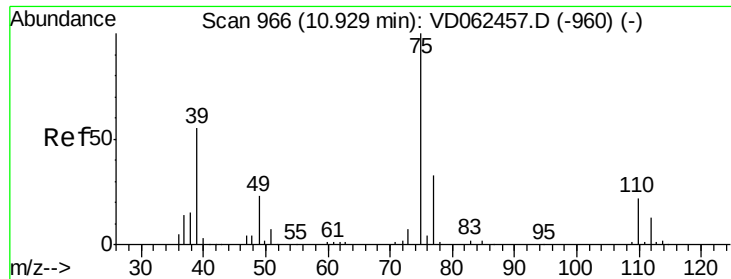
91 167.5 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

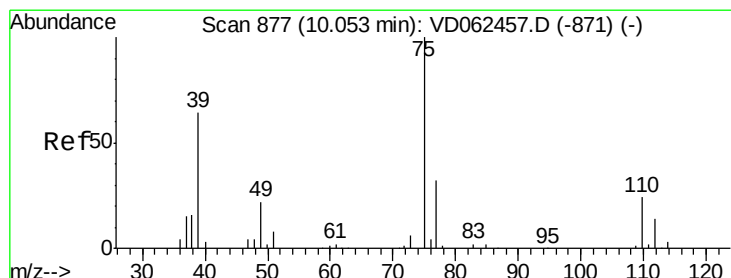
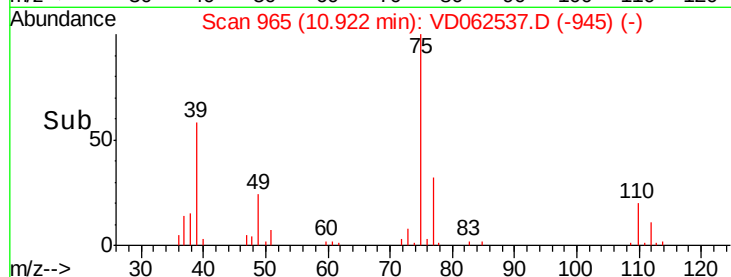
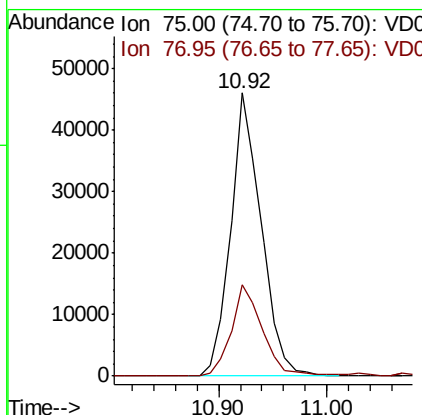
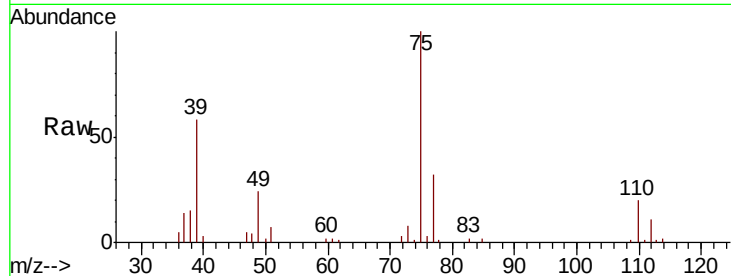




#53
 t-1,3-Dichloropropene
 Concen: 19.346 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VD062537.D
 Acq: 28 May 2019 14:31

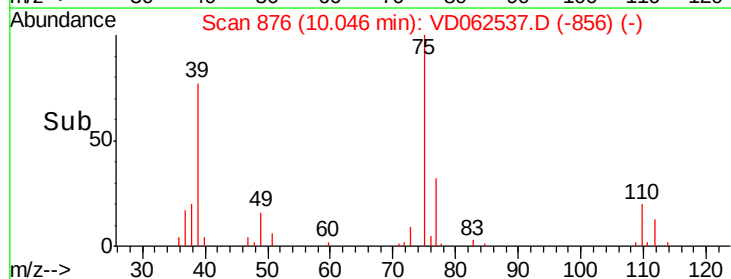
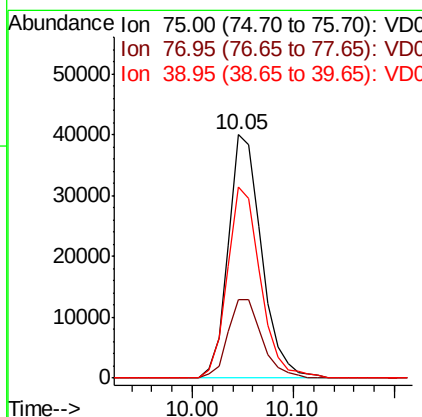
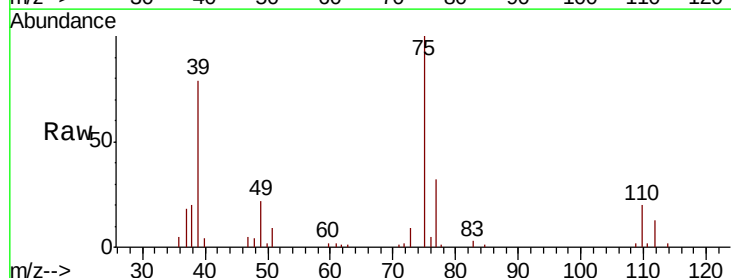
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBS01

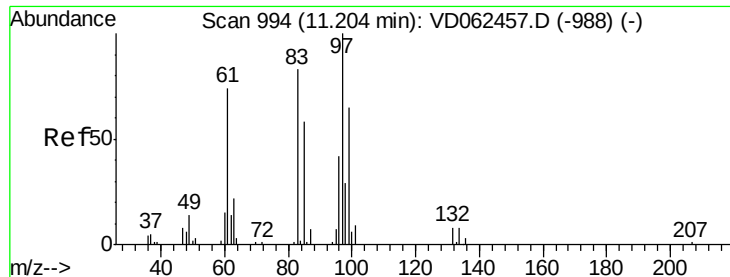
Tot Ion: 75 Resp: 90321
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 18.786 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: VD062537.D
 Acq: 28 May 2019 14:31

Tgt Ion: 75 Resp: 91519
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.5 38.3
 39 78.5 39.4 59.2#





#55

1,1,2-Trichloroethane

Concen: 19.537 ug/l

RT: 11.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBS01

Tot Ion: 97 Resp: 45235

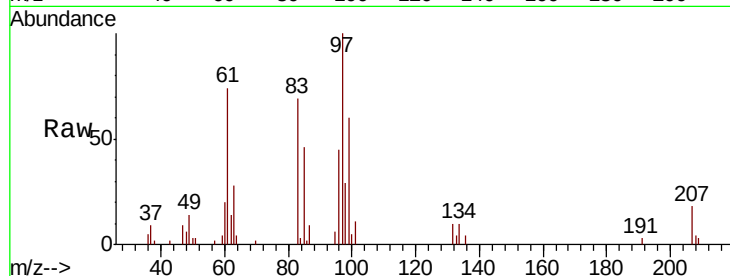
Ion Ratio Lower Upper

97 100

83 69.0 65.7 98.5

85 45.8 45.6 68.4

99 60.4 48.4 72.6

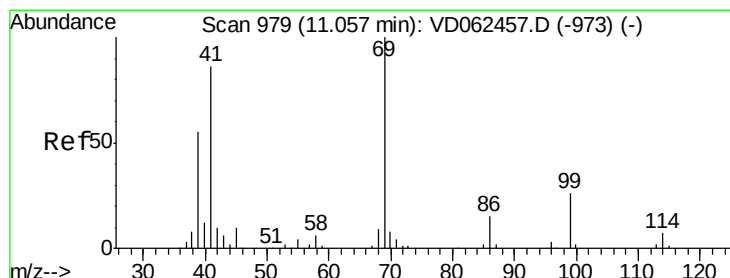
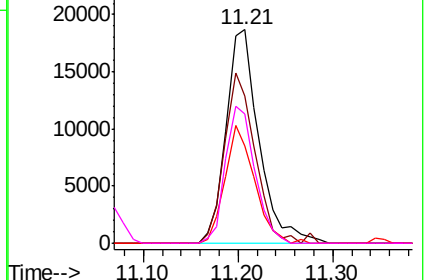
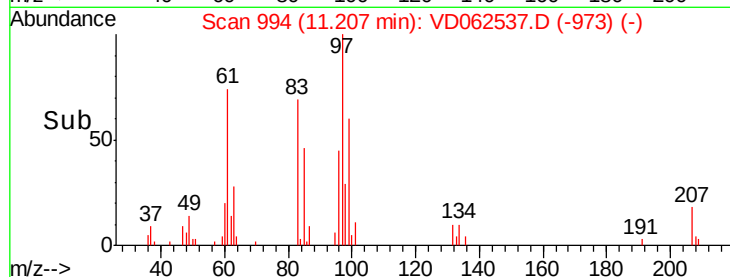


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 18.552 ug/l

RT: 11.06 min Scan# 979

Delta R.T. 0.00 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

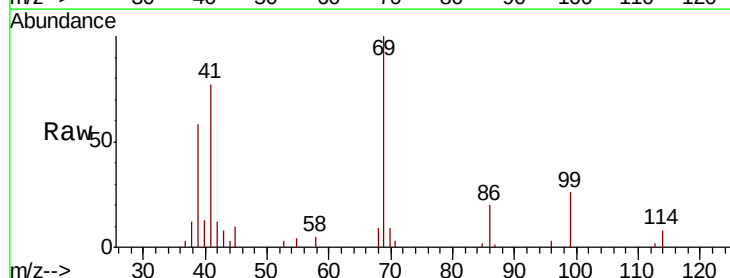
Tgt Ion: 69 Resp: 45919

Ion Ratio Lower Upper

69 100

41 76.6 56.3 84.5

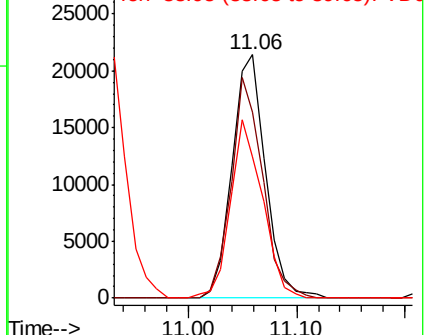
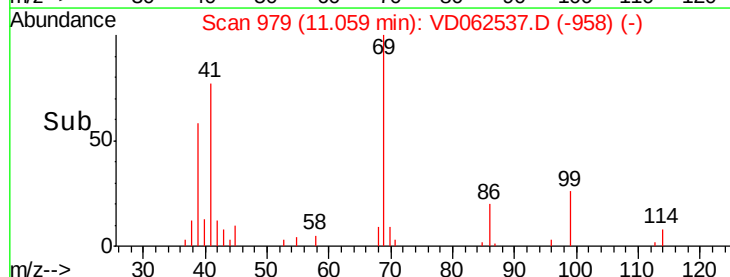
39 57.9 29.4 44.2#

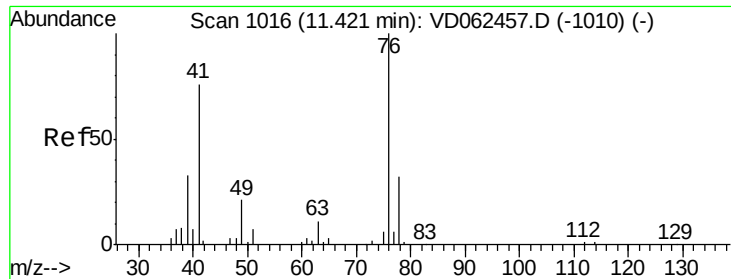


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 18.161 ug/l

RT: 11.42 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

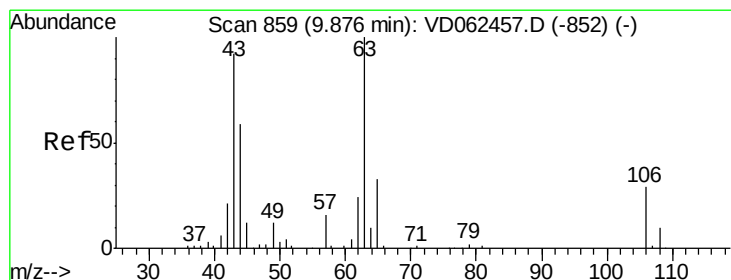
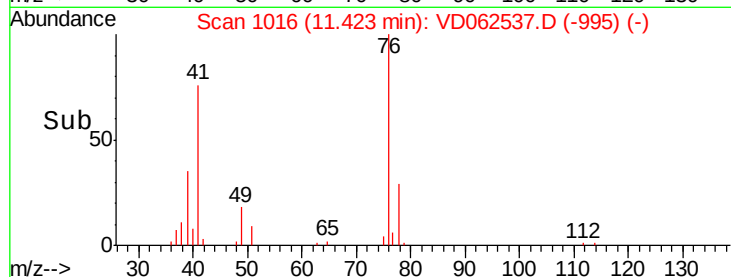
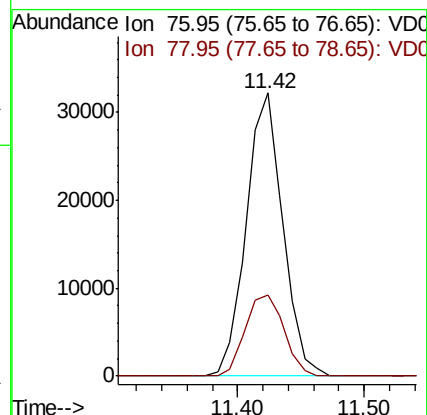
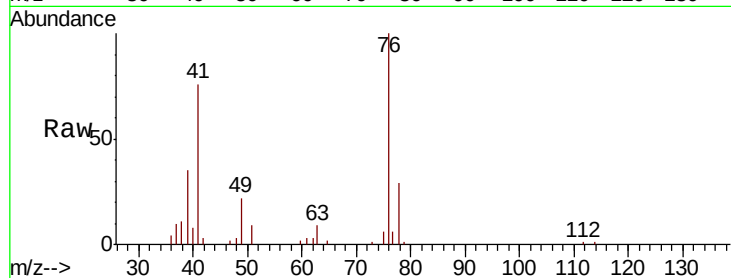
VD0528SBS01

Tot Ion: 76 Resp: 64487

Ion Ratio Lower Upper

76 100

78 28.6 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 110.180 ug/l

RT: 9.87 min Scan# 858

Delta R.T. -0.01 min

Lab File: VD062537.D

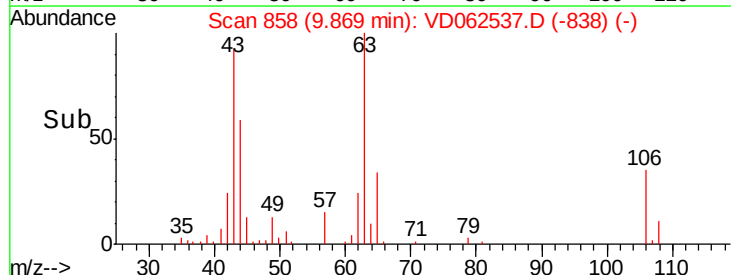
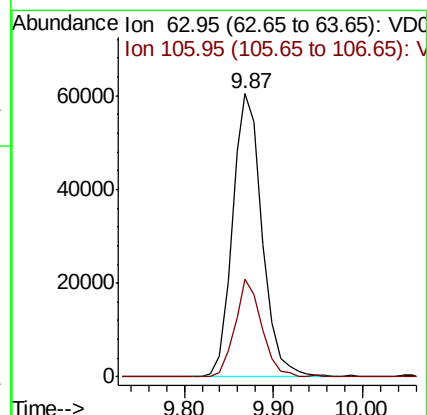
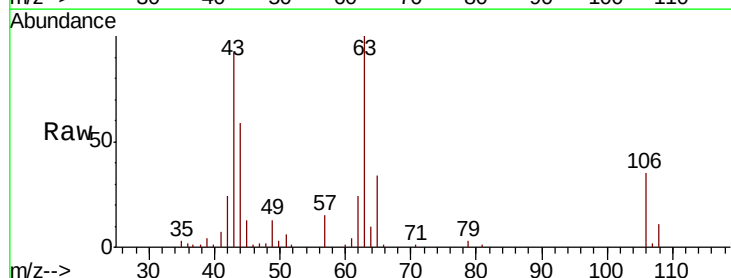
Acq: 28 May 2019 14:31

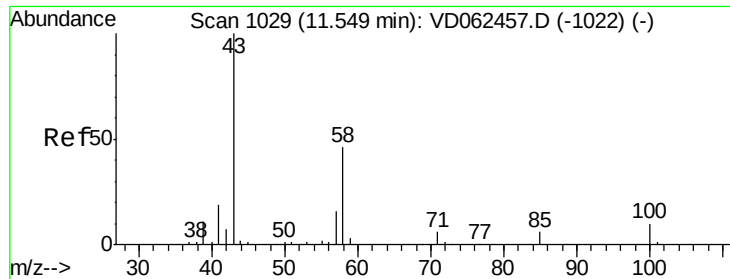
Tgt Ion: 63 Resp: 140034

Ion Ratio Lower Upper

63 100

106 34.6 22.6 34.0#

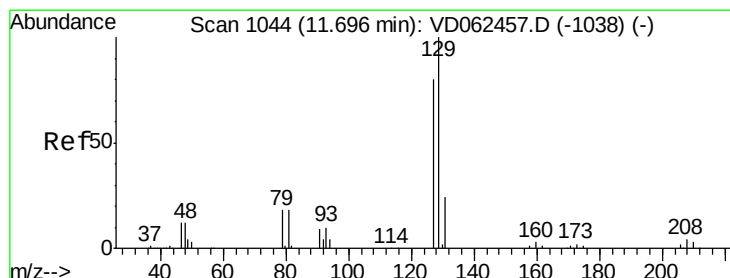
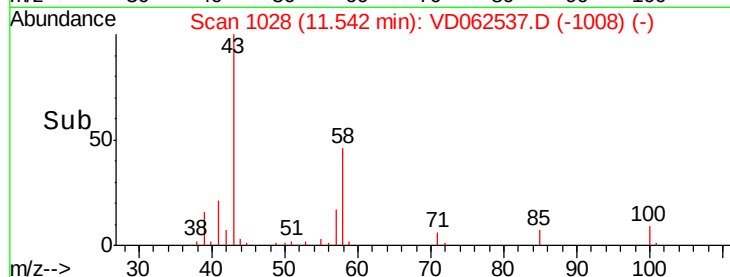
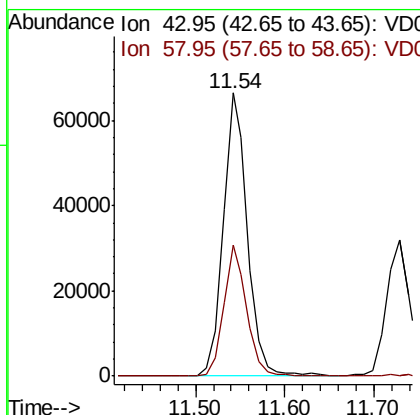
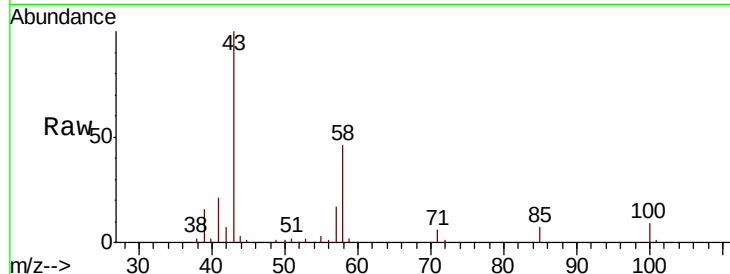




#59
2-Hexanone
Concen: 100.101 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VD062537.D
Acq: 28 May 2019 14:31

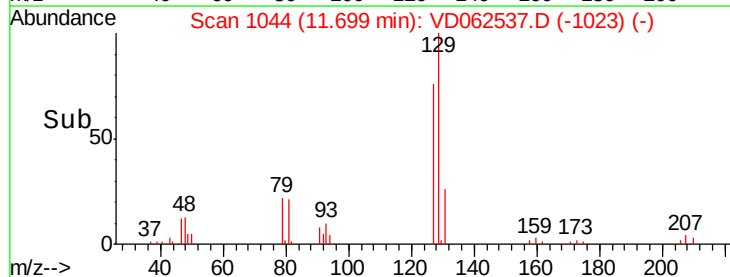
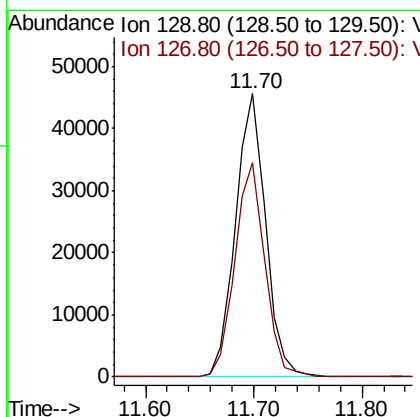
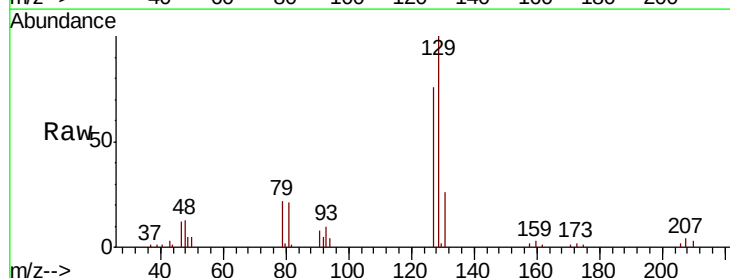
Instrument :
MSVOA_D
ClientSampleId :
VD0528SBS01

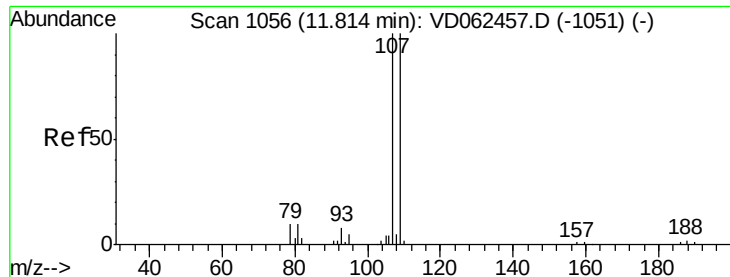
Tot Ion: 43 Resp: 126010
Ion Ratio Lower Upper
43 100
58 46.1 25.4 76.4



#60
Dibromochloromethane
Concen: 19.794 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VD062537.D
Acq: 28 May 2019 14:31

Tgt Ion:129 Resp: 88025
Ion Ratio Lower Upper
129 100
127 75.8 38.0 113.9

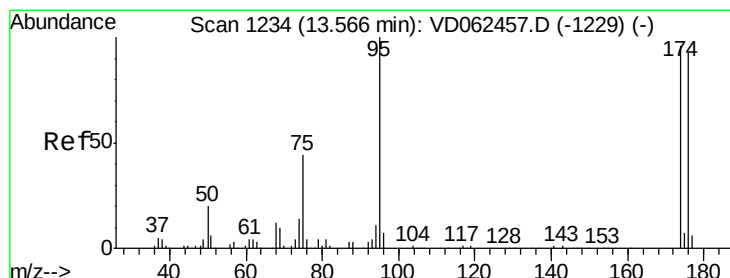
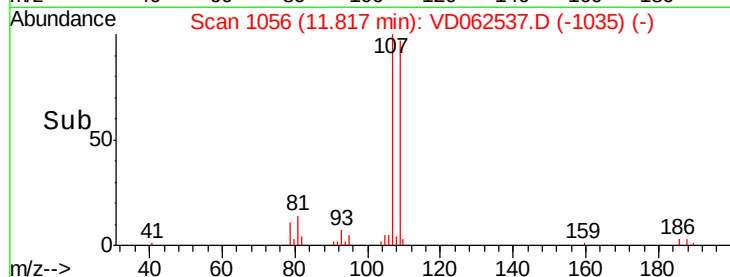
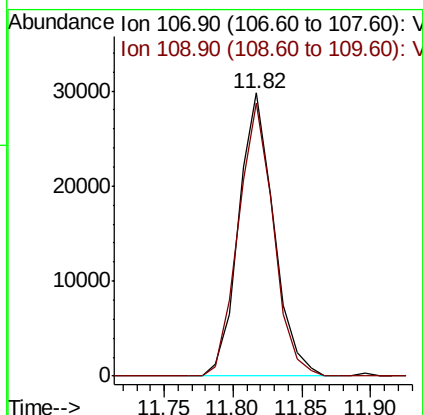
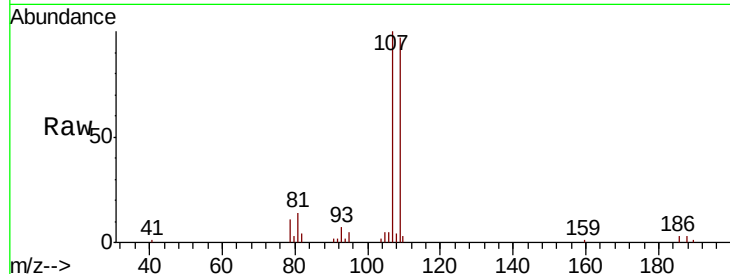




#61
 1,2-Dibromoethane
 Concen: 18.497 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VD062537.D
 Acq: 28 May 2019 14:31

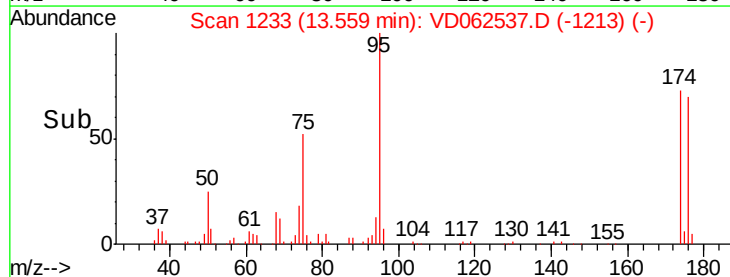
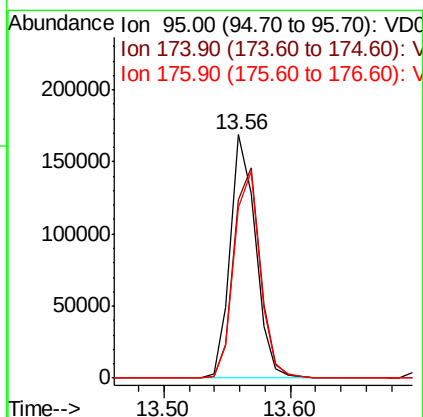
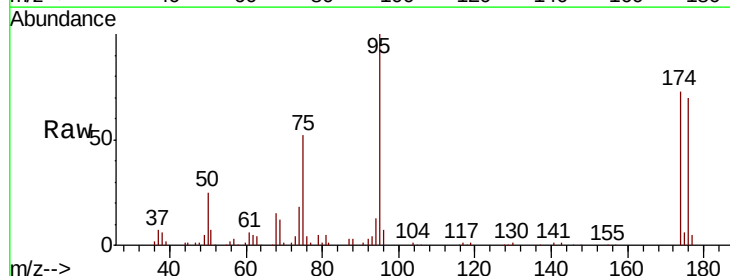
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBS01

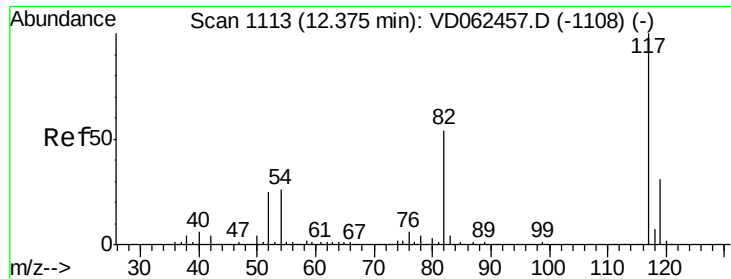
Tot Ion:107 Resp: 52778
 Ion Ratio Lower Upper
 107 100
 109 96.6 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 50.812 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: VD062537.D
 Acq: 28 May 2019 14:31

Tgt Ion: 95 Resp: 233495
 Ion Ratio Lower Upper
 95 100
 174 73.2 0.0 181.8
 176 70.2 0.0 174.4

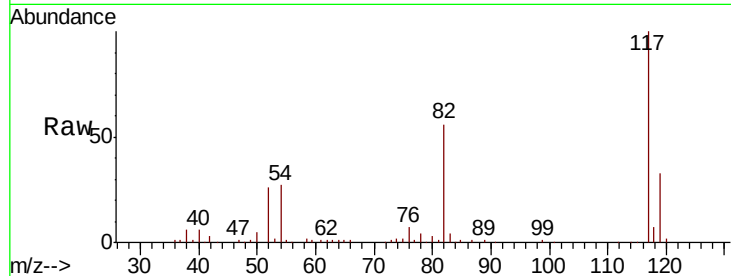




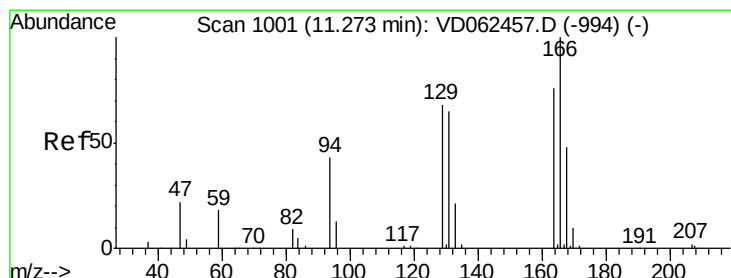
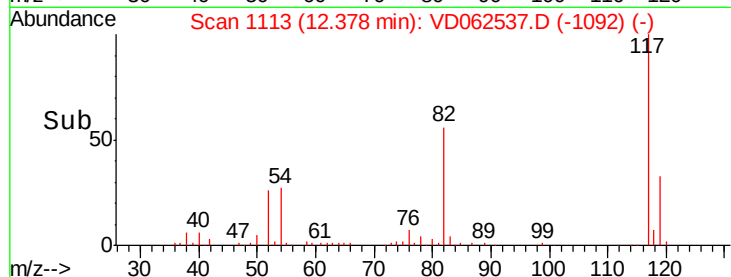
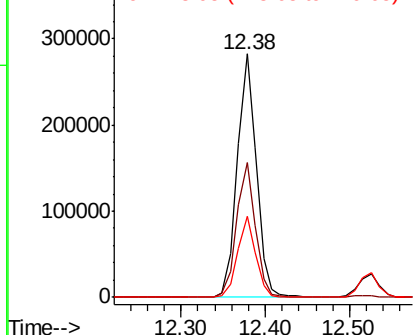
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VD062537.D
Acq: 28 May 2019 14:31

Instrument :
MSVOA_D
ClientSampleId :
VD0528SBS01

Tot Ion:117 Resp: 445879
Ion Ratio Lower Upper
117 100
82 55.6 36.2 54.2#
119 33.4 26.2 39.4

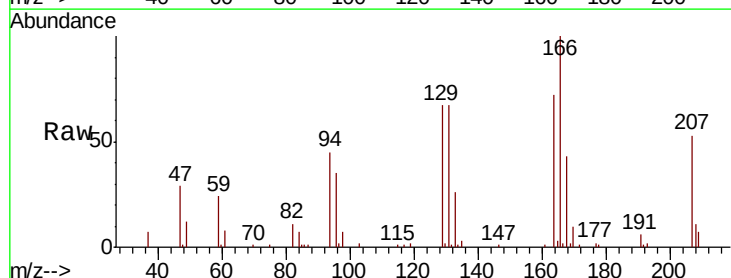


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

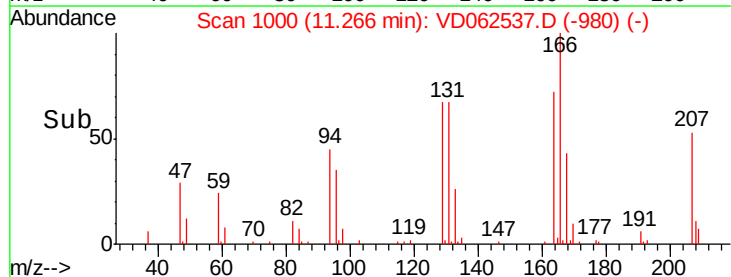
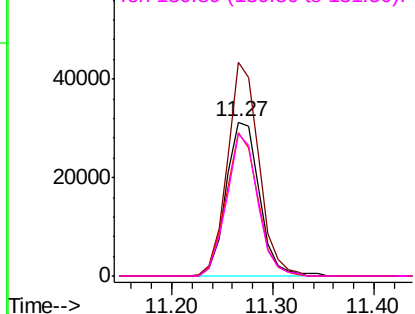


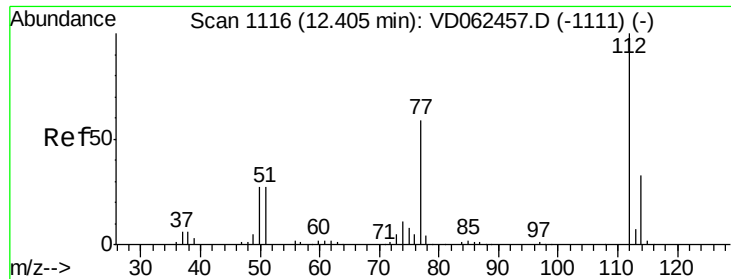
#64
Tetrachloroethene
Concen: 19.057 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VD062537.D
Acq: 28 May 2019 14:31

Tgt Ion:164 Resp: 71148
Ion Ratio Lower Upper
164 100
166 138.9 101.5 152.3
129 93.2 74.6 112.0
131 92.5 72.6 108.8



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

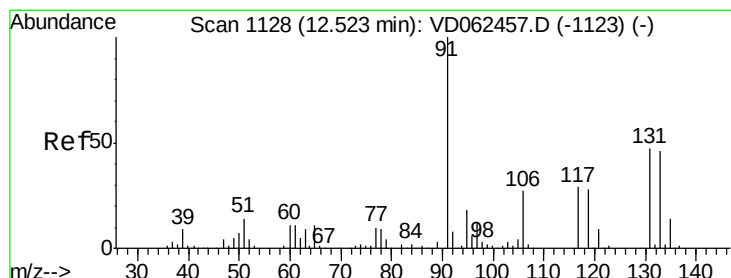
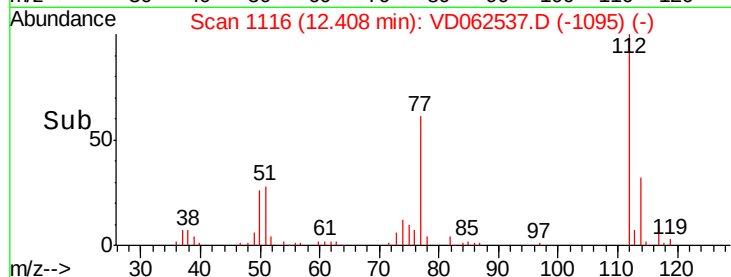
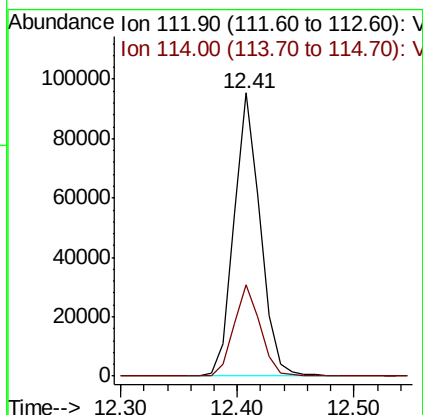
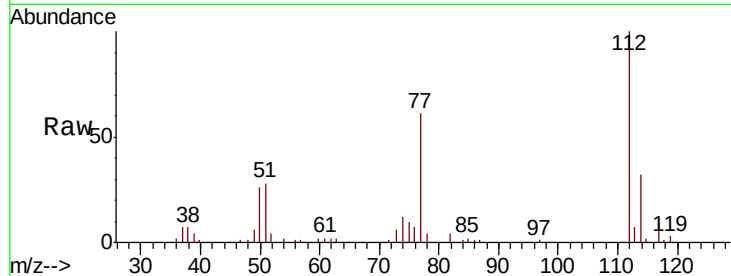




#65
Chlorobenzene
Concen: 17.282 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.00 min
Lab File: VD062537.D
Acq: 28 May 2019 14:31

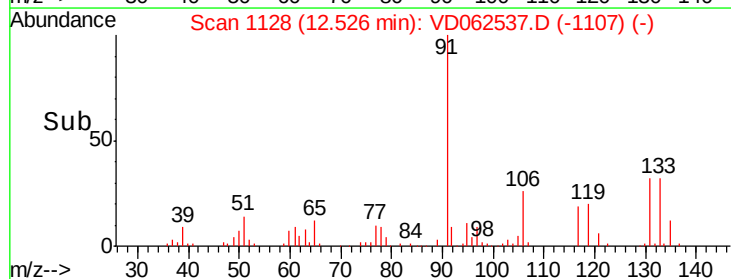
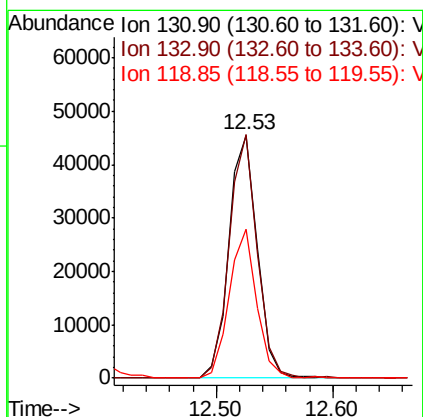
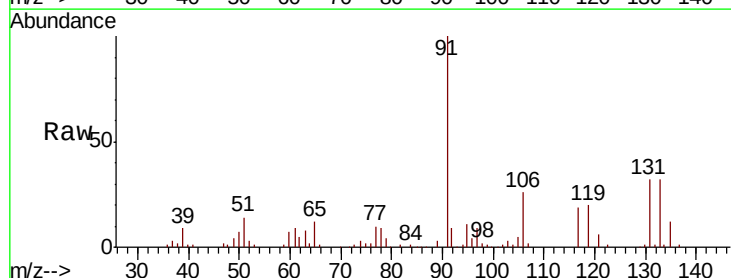
Instrument :
MSVOA_D
ClientSampleId :
VD0528SBS01

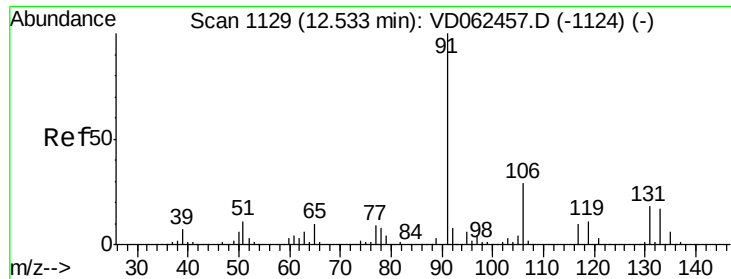
Tot Ion:112 Resp: 148182
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.336 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD062537.D
Acq: 28 May 2019 14:31

Tgt Ion:131 Resp: 76532
Ion Ratio Lower Upper
131 100
133 100.5 48.6 145.8
119 61.7 34.7 104.1

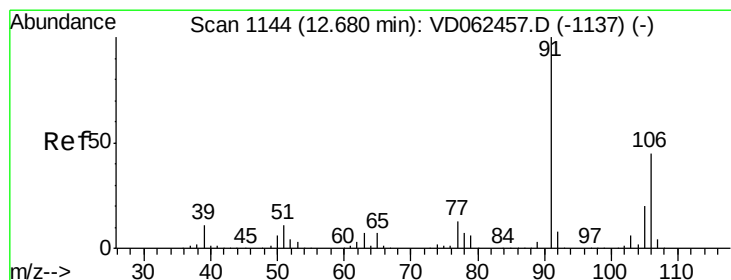
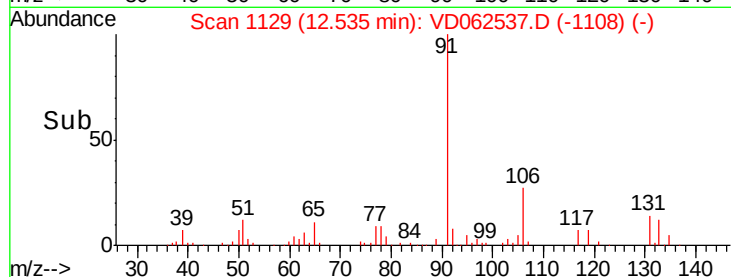
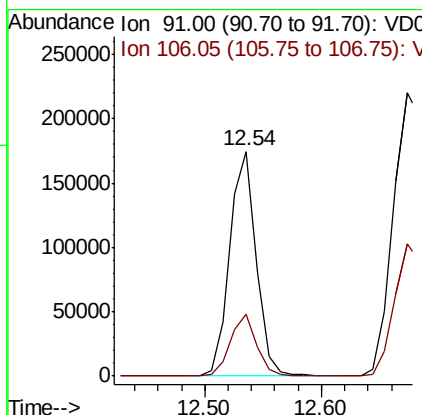
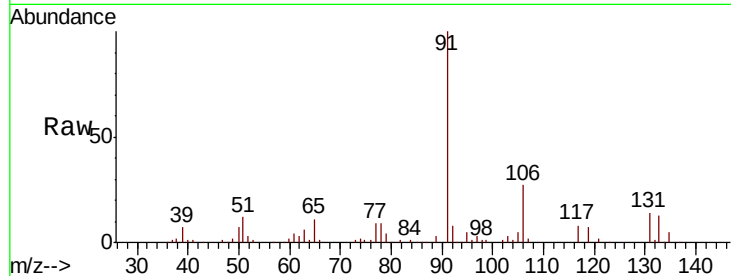




#67
Ethyl Benzene
Concen: 18.652 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VD062537.D
Acq: 28 May 2019 14:31

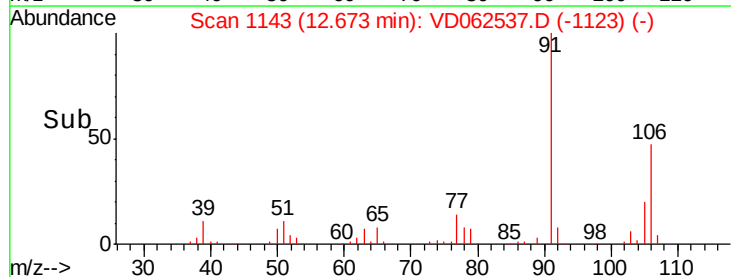
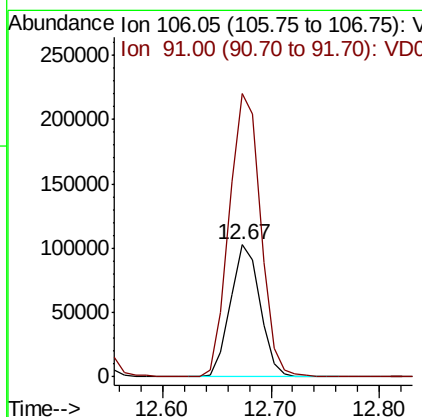
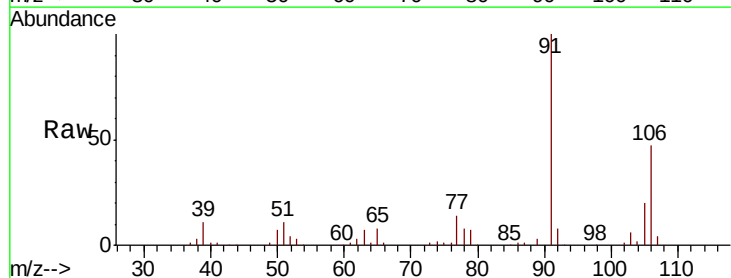
Instrument :
MSVOA_D
ClientSampleId :
VD0528SBS01

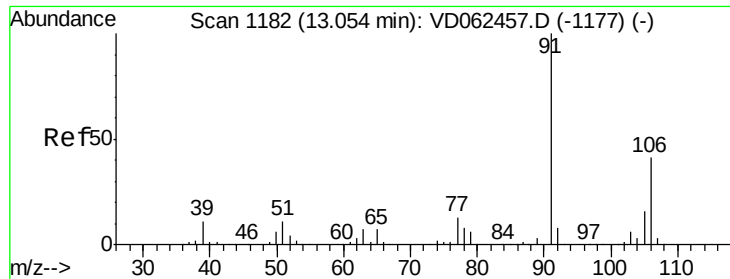
Tot Ion: 91 Resp: 275463
Ion Ratio Lower Upper
91 100
106 27.4 24.7 37.1



#68
m/p-Xylenes
Concen: 36.970 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VD062537.D
Acq: 28 May 2019 14:31

Tgt Ion: 106 Resp: 195993
Ion Ratio Lower Upper
106 100
91 214.7 164.0 246.0

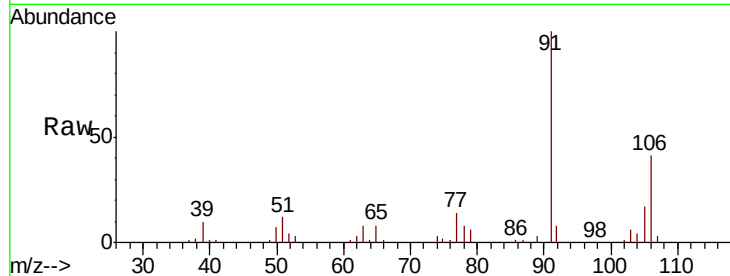




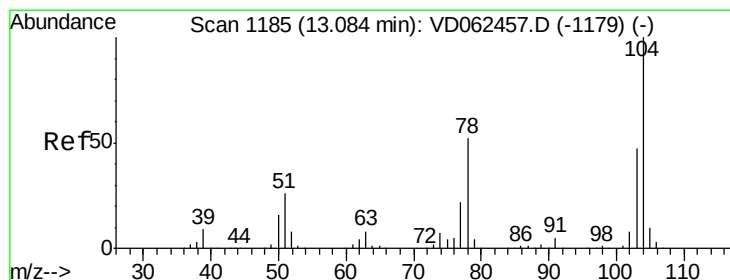
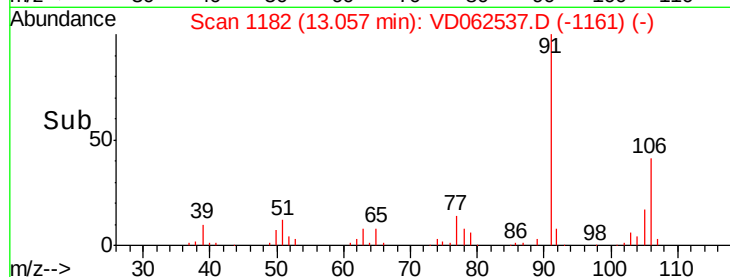
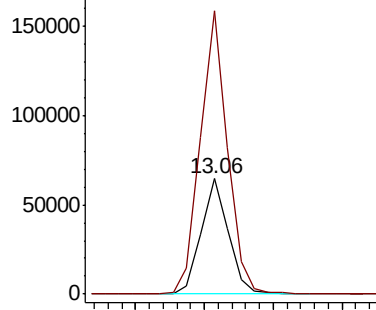
#69
o-Xylene
Concen: 17.790 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VD062537.D
Acq: 28 May 2019 14:31

Instrument :
MSVOA_D
ClientSampleId :
VD0528SBS01

Tot Ion:106 Resp: 88986
Ion Ratio Lower Upper
106 100
91 244.9 106.7 319.9

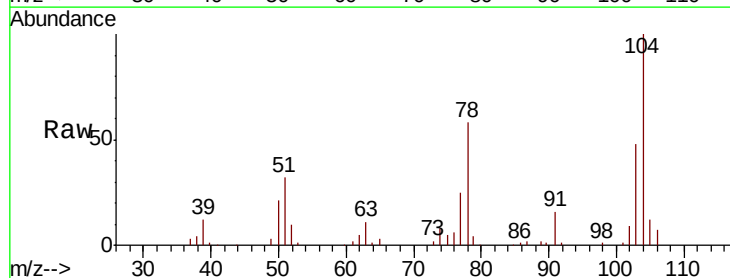


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

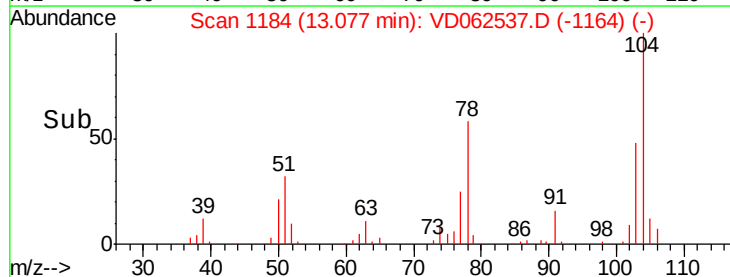
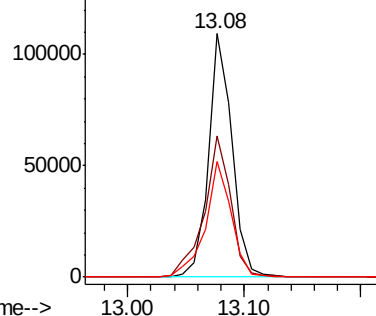


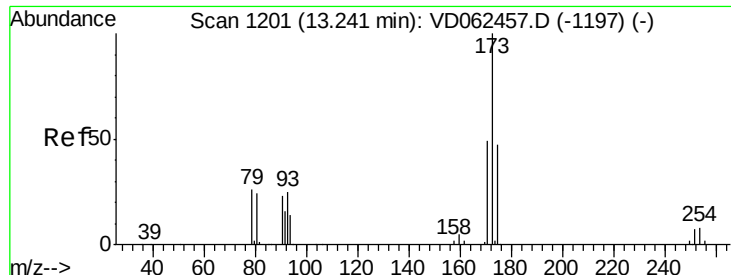
#70
Styrene
Concen: 17.852 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VD062537.D
Acq: 28 May 2019 14:31

Tgt Ion:104 Resp: 151912
Ion Ratio Lower Upper
104 100
78 58.1 35.4 53.2#
103 47.7 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

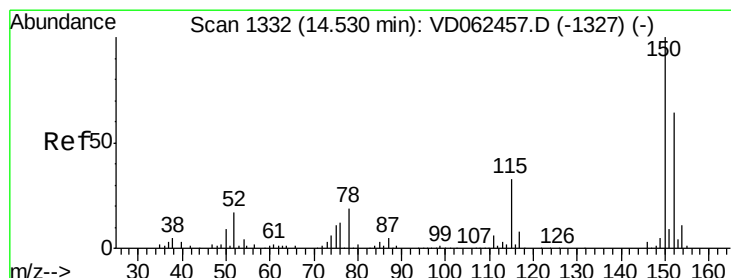
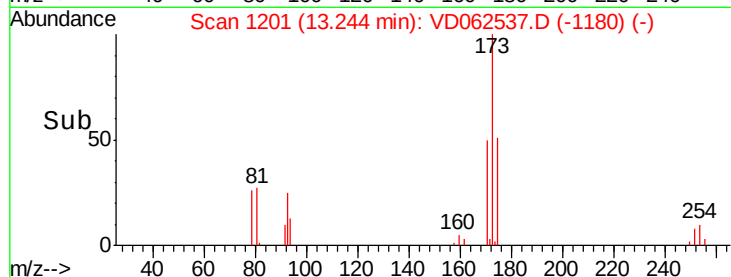
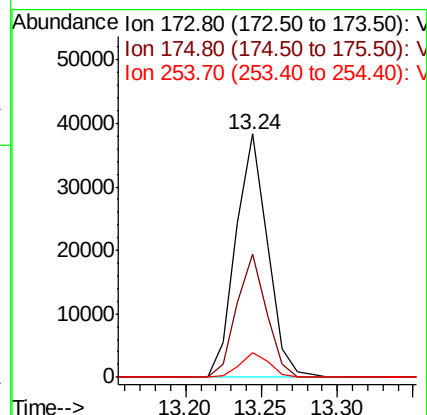
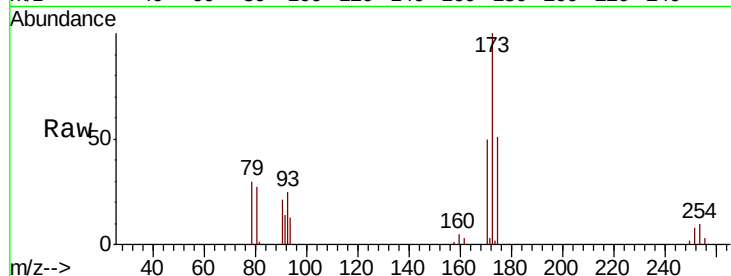




#71
Bromoform
Concen: 21.225 ug/l
RT: 13.24 min Scan# 1201
Delta R.T. 0.00 min
Lab File: VD062537.D
Acq: 28 May 2019 14:31

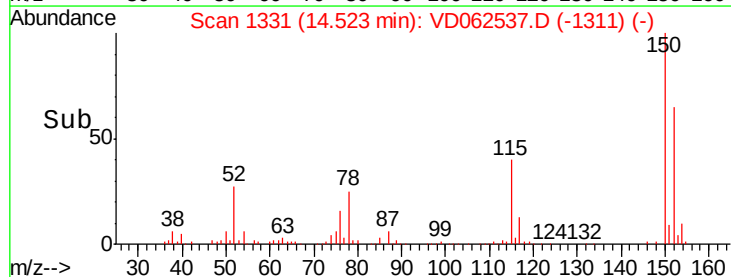
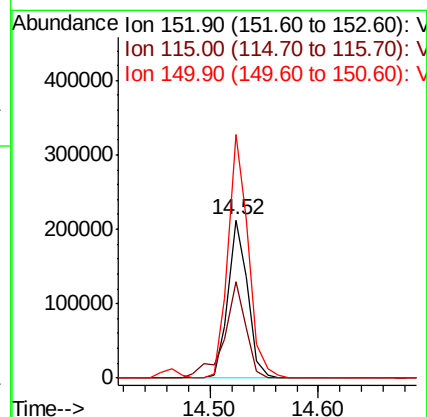
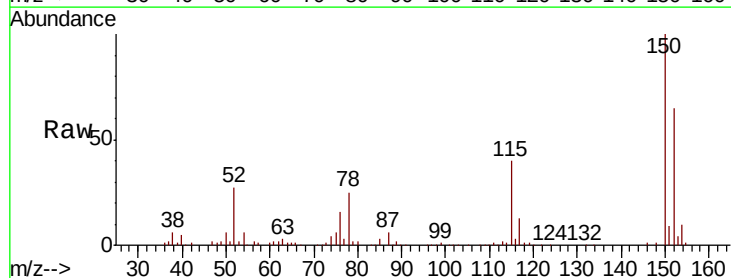
Instrument :
MSVOA_D
ClientSampleId :
VD0528SBS01

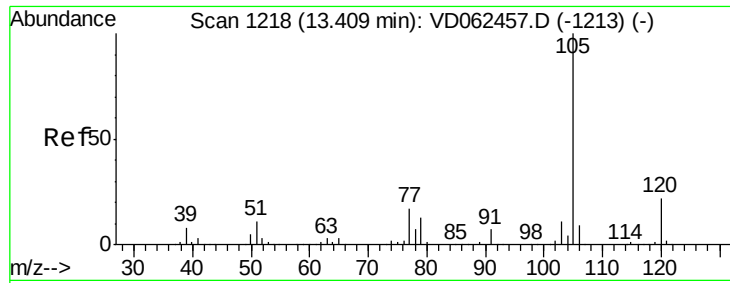
Tot Ion:173 Resp: 55792
Ion Ratio Lower Upper
173 100
175 50.8 24.4 73.4
254 10.4 5.4 8.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. -0.01 min
Lab File: VD062537.D
Acq: 28 May 2019 14:31

Tgt Ion:152 Resp: 266133
Ion Ratio Lower Upper
152 100
115 61.1 30.9 92.7
150 153.8 0.0 314.8





#73

Isopropylbenzene

Concen: 16.954 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

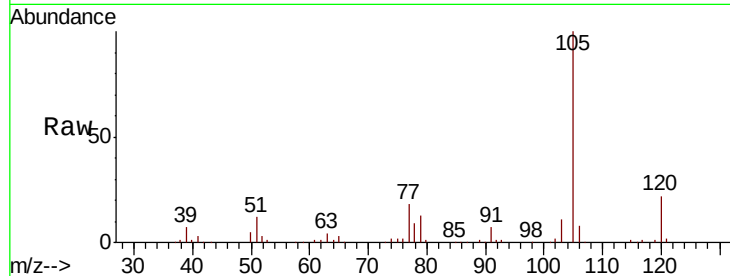
VD0528SBS01

Tot Ion:105 Resp: 284406

Ion Ratio Lower Upper

105 100

120 22.0 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

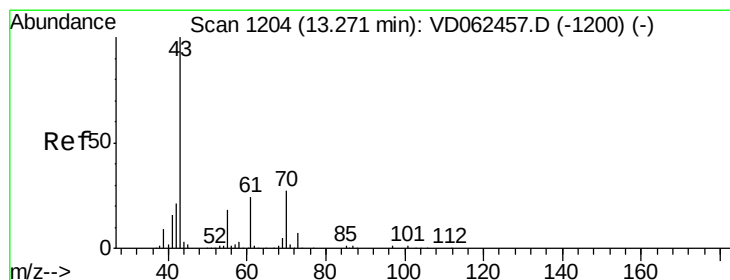
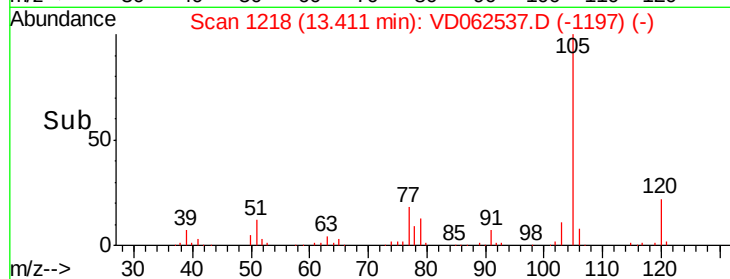
0

13.40

13.41

13.50

Time-->



#74

N-ethyl acetate

Concen: 16.847 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

Tgt Ion: 43 Resp: 69800

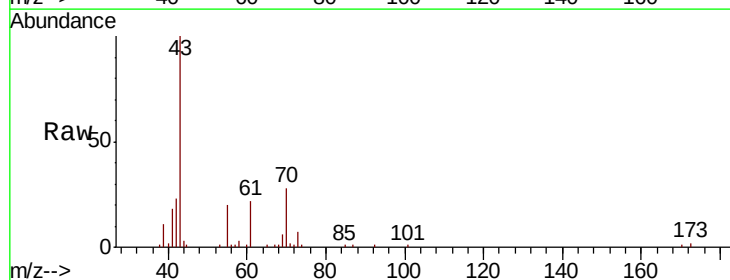
Ion Ratio Lower Upper

43 100

70 27.7 24.2 36.4

55 19.5 16.0 24.0

61 22.0 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

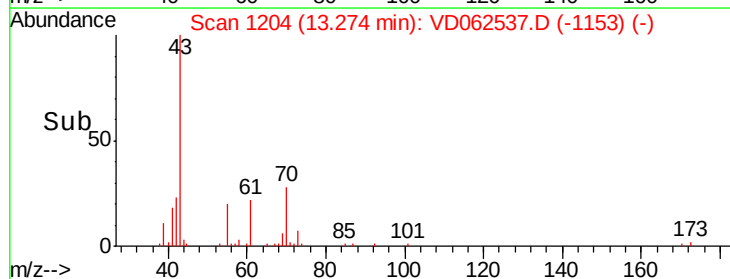
13.20

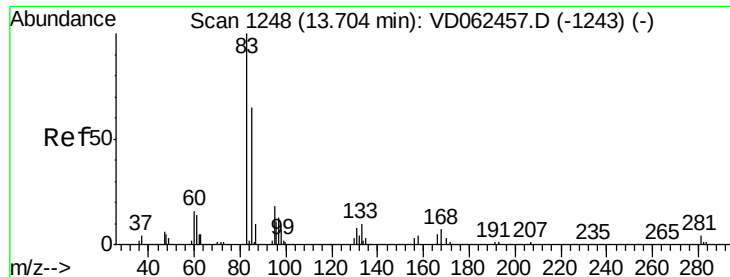
13.25

13.30

13.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 15.843 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBS01

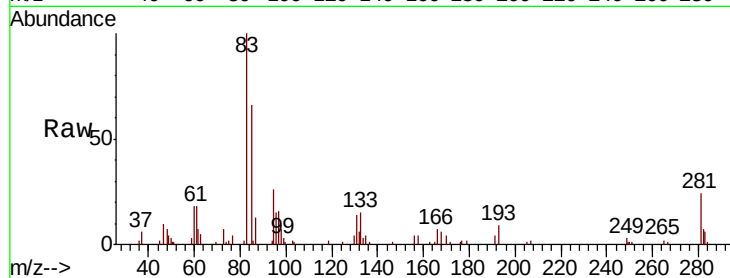
Tot Ion: 83 Resp: 47948

Ion Ratio Lower Upper

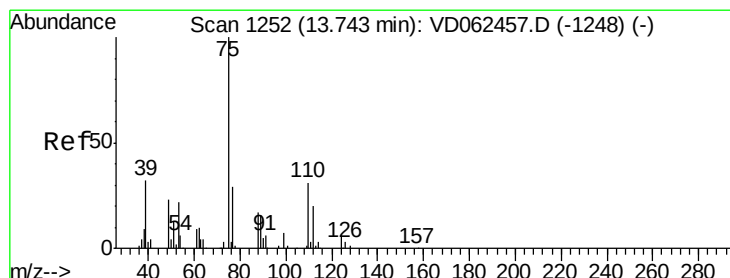
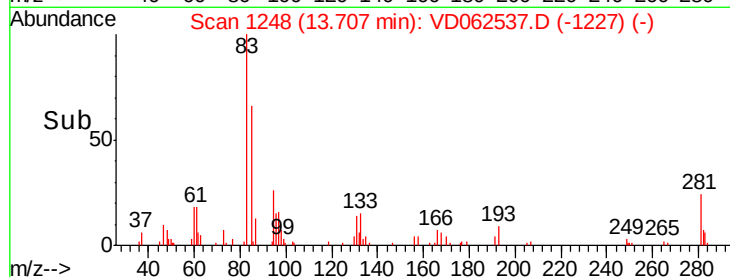
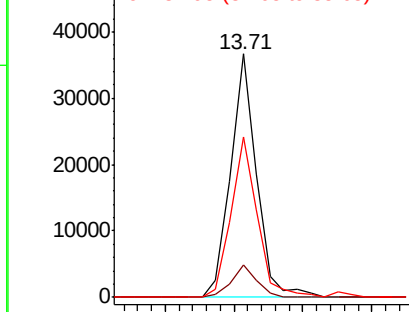
83 100

131 13.5 5.0 14.9

85 65.9 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: 18.678 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VD062537.D

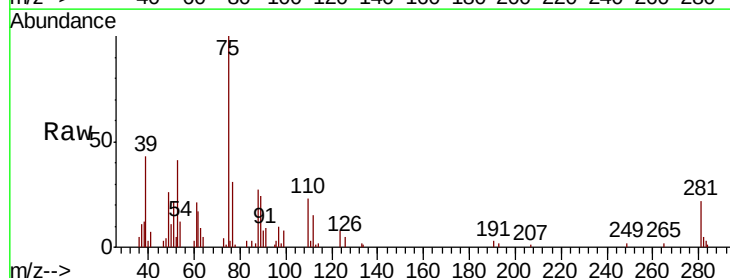
Acq: 28 May 2019 14:31

Tgt Ion: 75 Resp: 58552

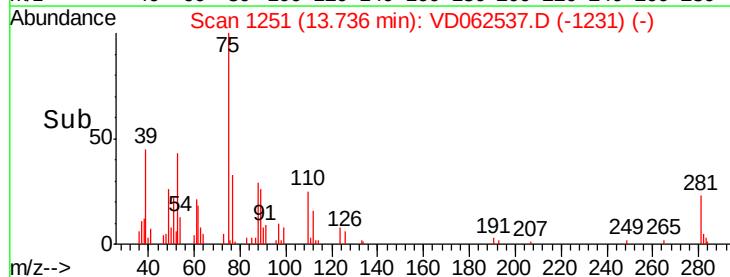
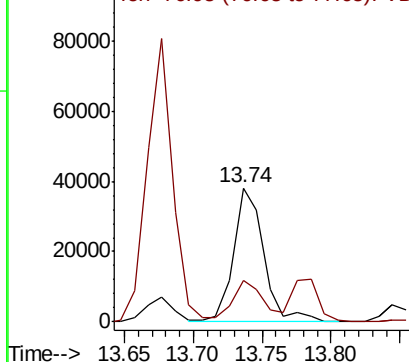
Ion Ratio Lower Upper

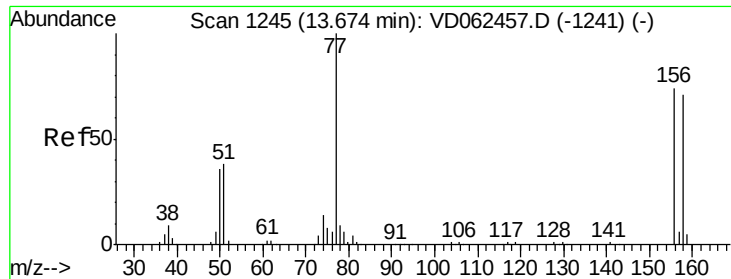
75 100

77 31.1 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: 17.638 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.00 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBS01

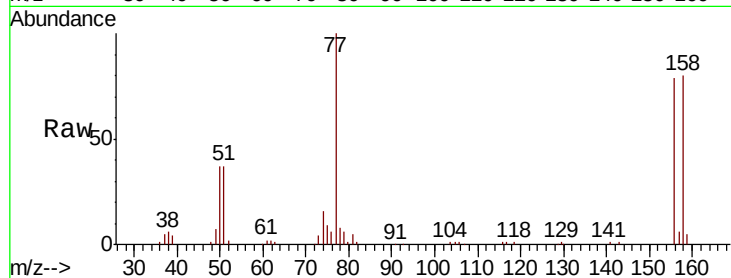
Tot Ion:156 Resp: 83937

Ion Ratio Lower Upper

156 100

77 126.0 53.1 159.4

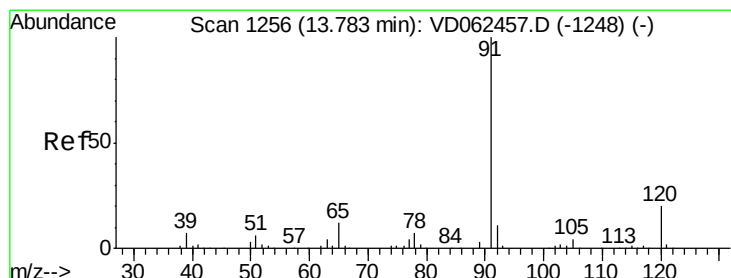
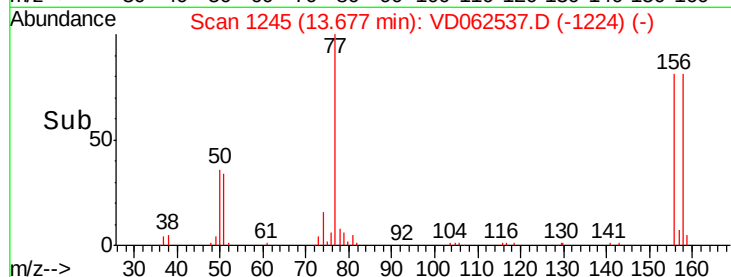
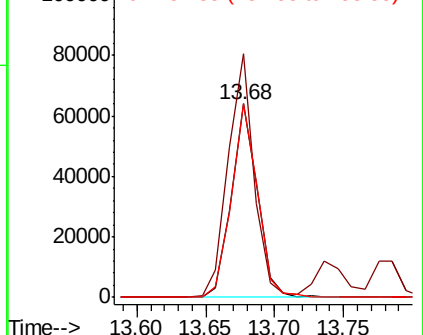
158 100.3 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 18.073 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VD062537.D

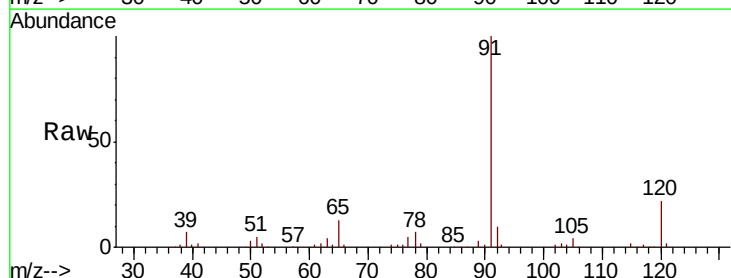
Acq: 28 May 2019 14:31

Tgt Ion: 91 Resp: 351189

Ion Ratio Lower Upper

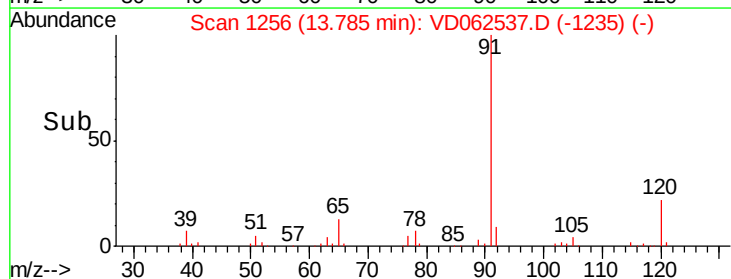
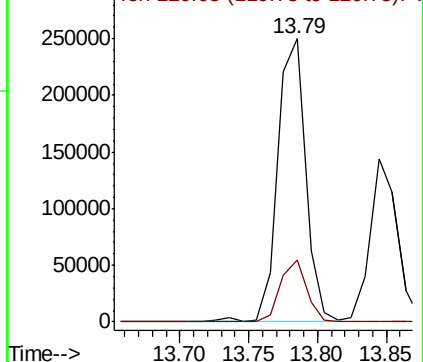
91 100

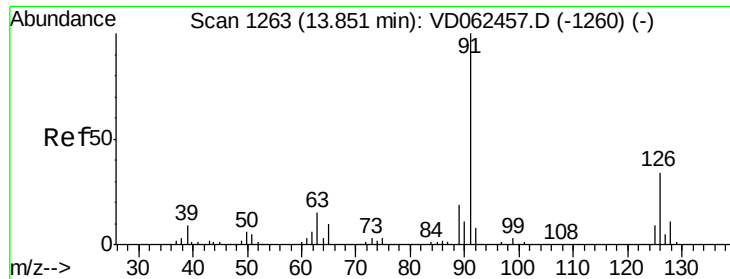
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

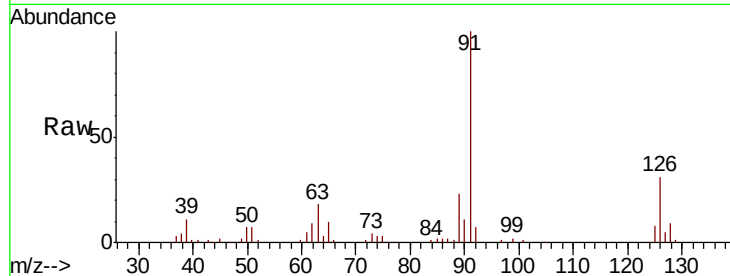




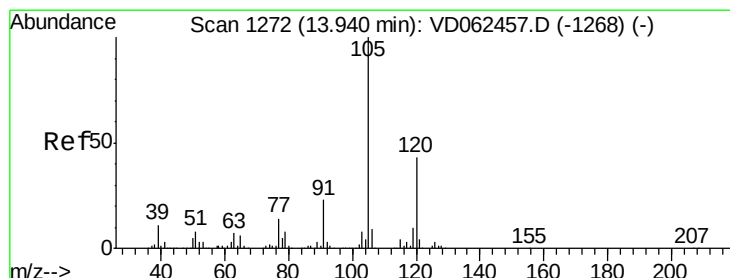
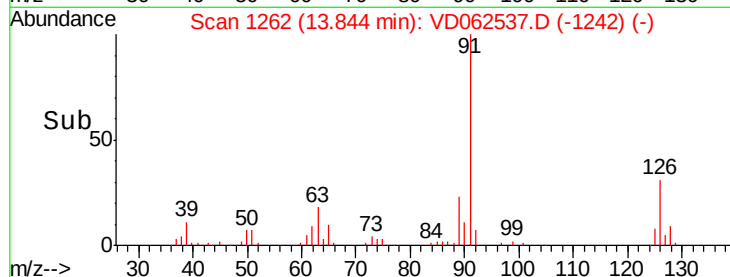
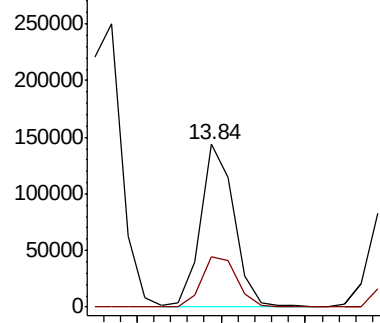
#79
 2-Chlorotoluene
 Concen: 16.812 ug/l
 RT: 13.84 min Scan# 1262
 Delta R.T. -0.01 min
 Lab File: VD062537.D
 Acq: 28 May 2019 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBS01

Tot Ion: 91 Resp: 198252
 Ion Ratio Lower Upper
 91 100
 126 30.9 18.6 55.8

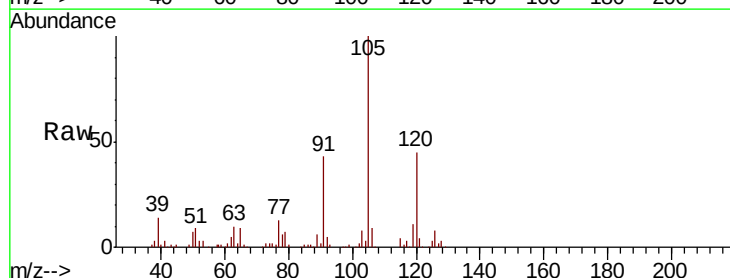


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

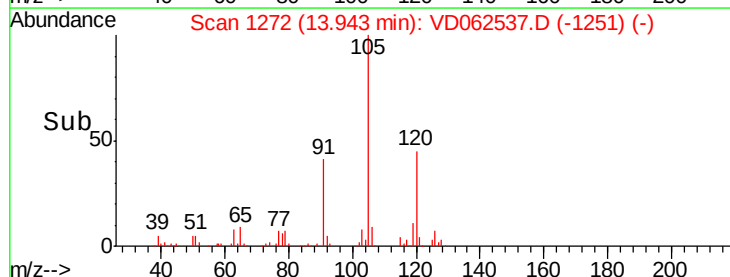
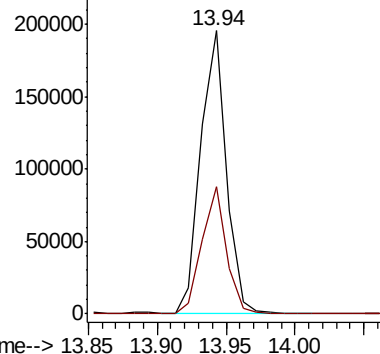


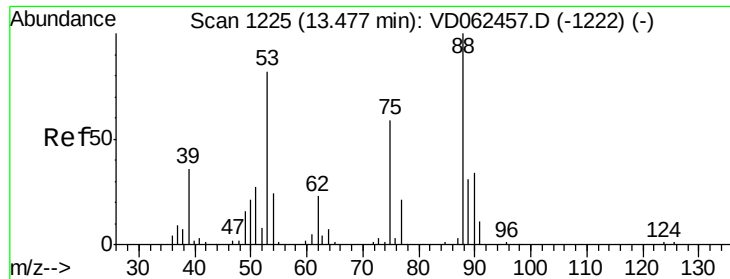
#80
 1,3,5-Trimethylbenzene
 Concen: 17.422 ug/l
 RT: 13.94 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VD062537.D
 Acq: 28 May 2019 14:31

Tgt Ion: 105 Resp: 253056
 Ion Ratio Lower Upper
 105 100
 120 44.9 24.0 72.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 17.135 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBS01

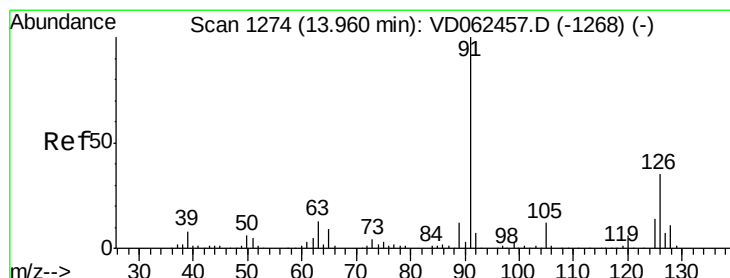
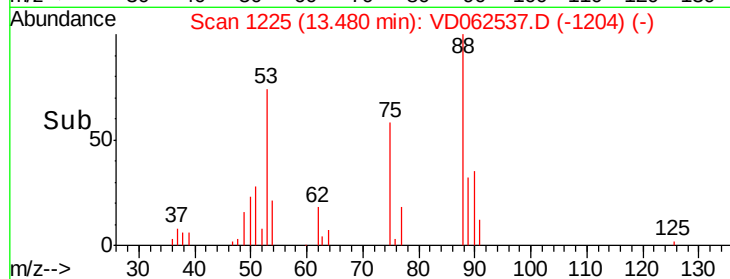
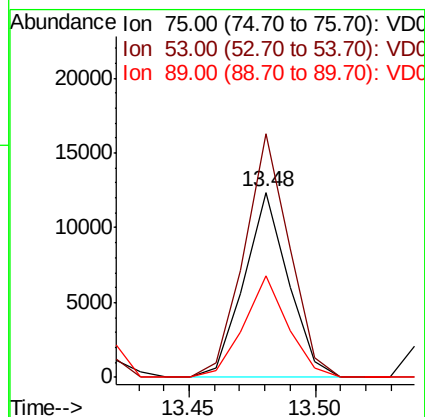
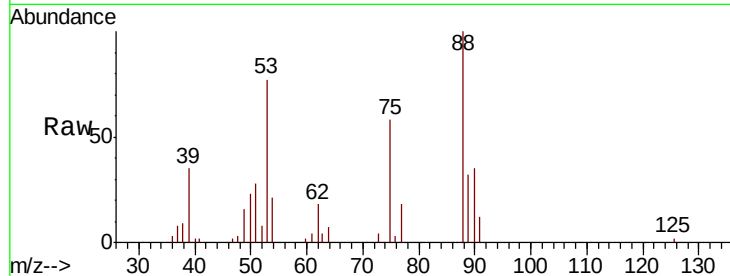
Tot Ion: 75 Resp: 15149

Ion Ratio Lower Upper

75 100

53 131.5 65.8 98.8#

89 54.5 35.0 52.6#



#82

4-Chlorotoluene

Concen: 17.267 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VD062537.D

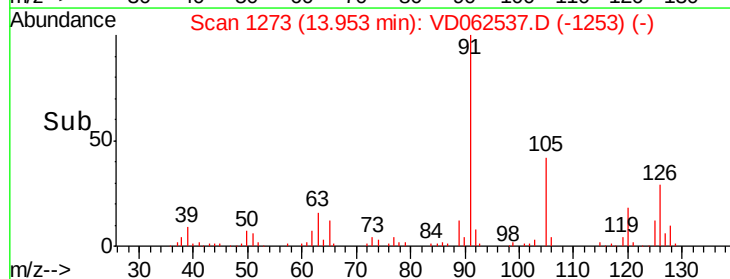
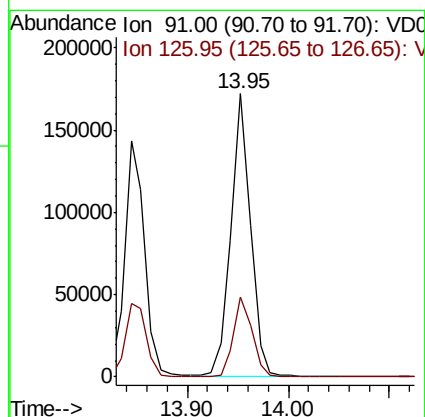
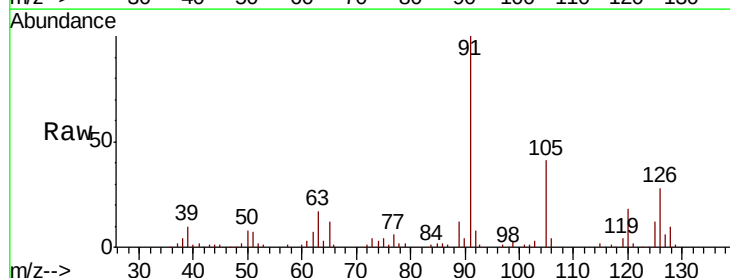
Acq: 28 May 2019 14:31

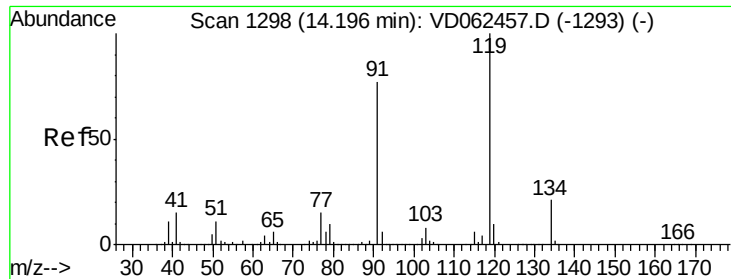
Tgt Ion: 91 Resp: 234492

Ion Ratio Lower Upper

91 100

126 28.4 19.1 57.5





#83

tert-Butylbenzene

Concen: 17.496 ug/l

RT: 14.20 min Scan# 1298

Delta R.T. 0.00 min

Lab File: VD062537.D

Acq: 28 May 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBS01

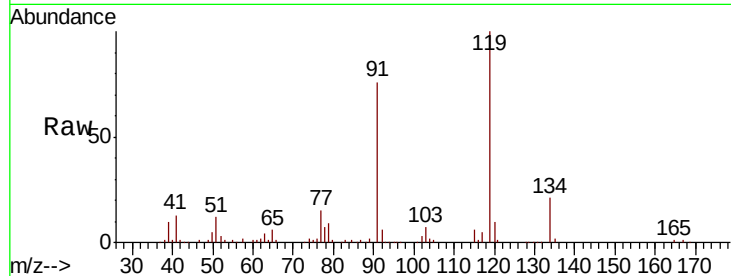
Tot Ion:119 Resp: 281884

Ion Ratio Lower Upper

119 100

91 76.4 34.2 102.6

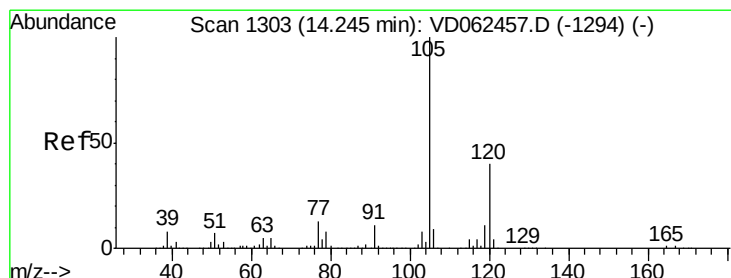
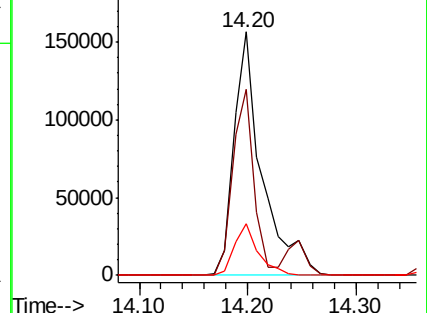
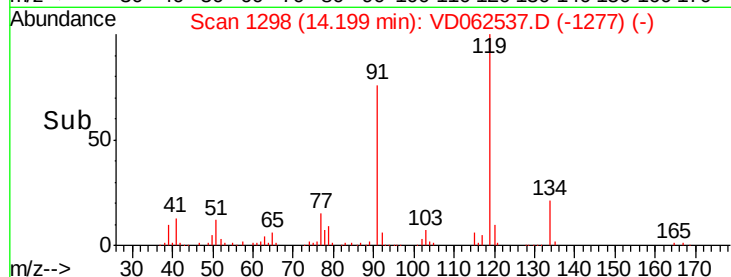
134 21.0 12.0 36.0



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: 17.440 ug/l

RT: 14.25 min Scan# 1303

Delta R.T. 0.00 min

Lab File: VD062537.D

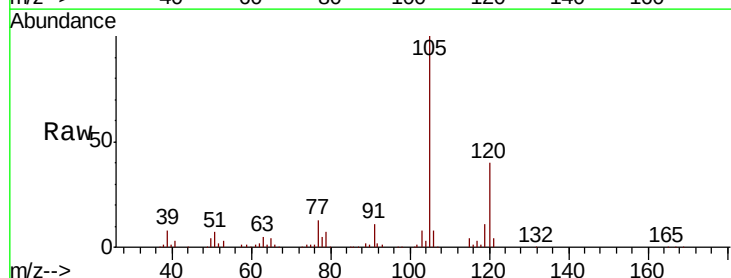
Acq: 28 May 2019 14:31

Tgt Ion:105 Resp: 259564

Ion Ratio Lower Upper

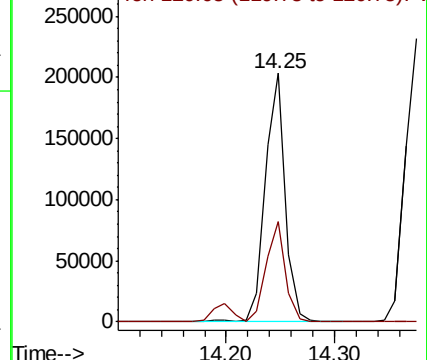
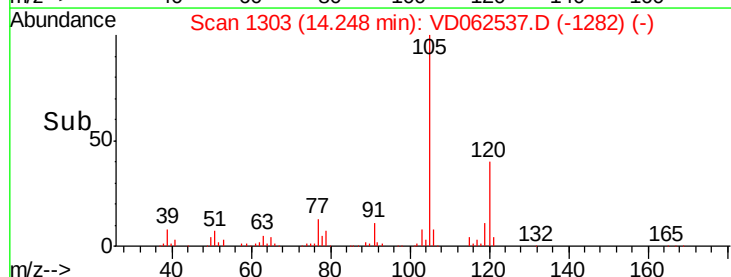
105 100

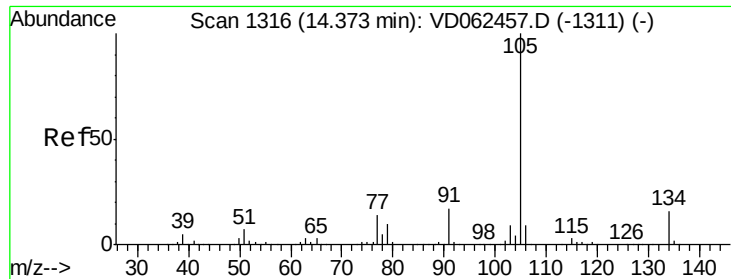
120 40.3 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

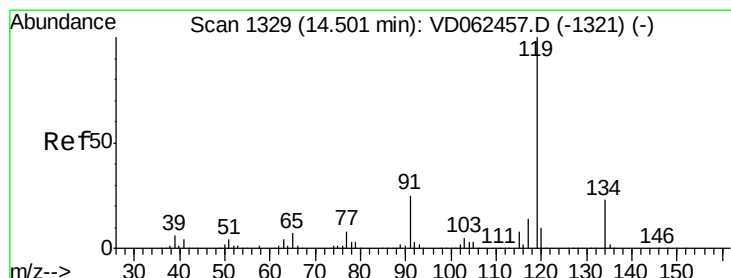
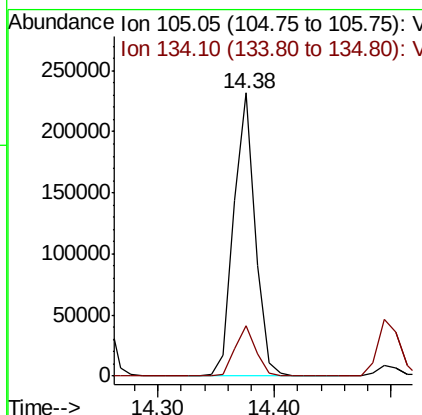
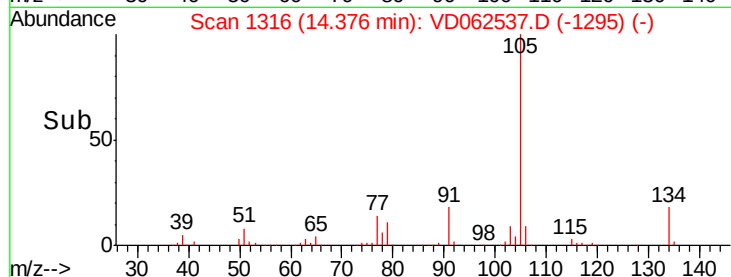
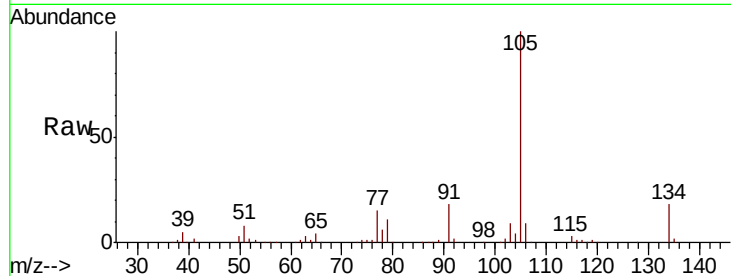




#85
 sec-Butylbenzene
 Concen: 17.548 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VD062537.D
 Acq: 28 May 2019 14:31

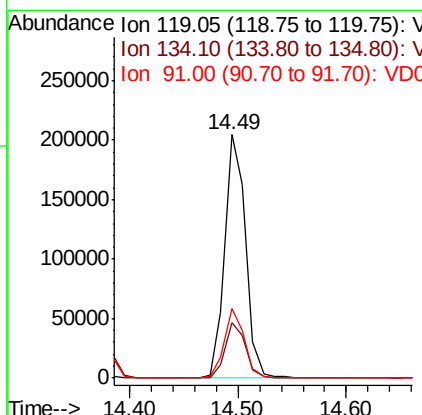
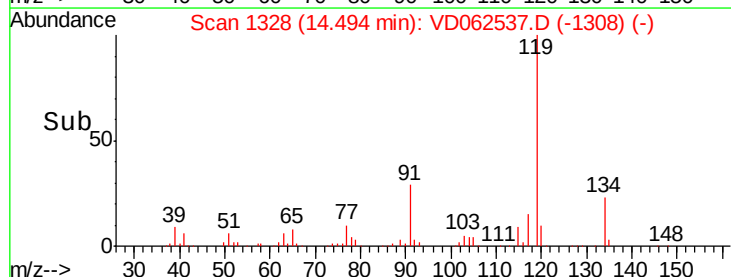
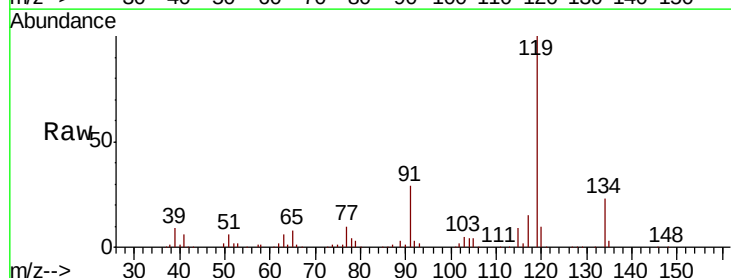
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBS01

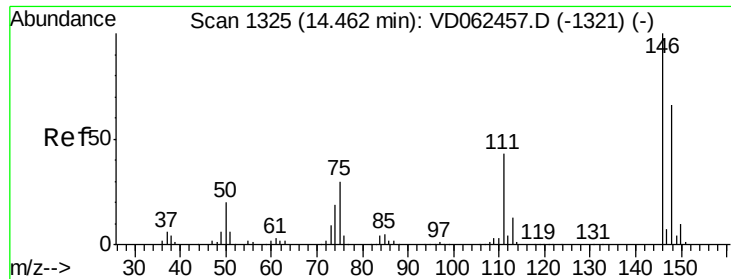
Tot Ion:105 Resp: 294810
 Ion Ratio Lower Upper
 105 100
 134 17.7 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 17.952 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: VD062537.D
 Acq: 28 May 2019 14:31

Tgt Ion:119 Resp: 273312
 Ion Ratio Lower Upper
 119 100
 134 22.5 12.8 38.3
 91 28.8 10.7 32.1

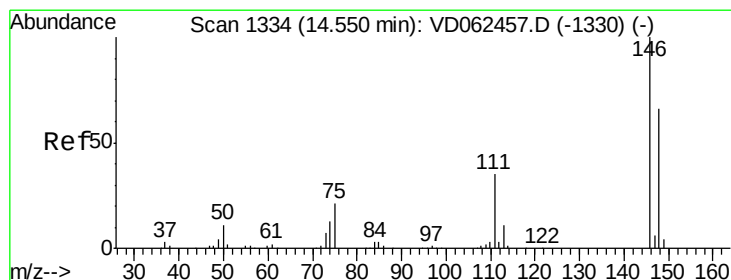
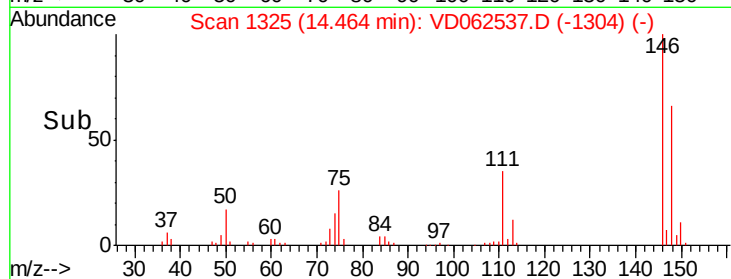
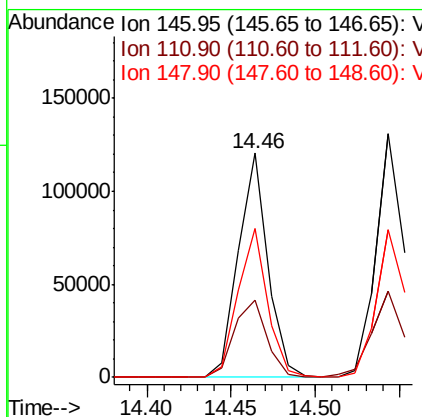
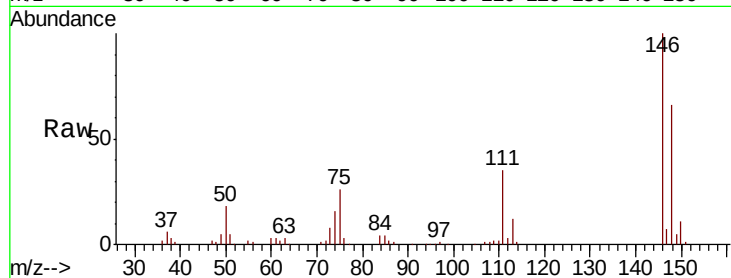




#87
 1,3-Dichlorobenzene
 Concen: 17.501 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VD062537.D
 Acq: 28 May 2019 14:31

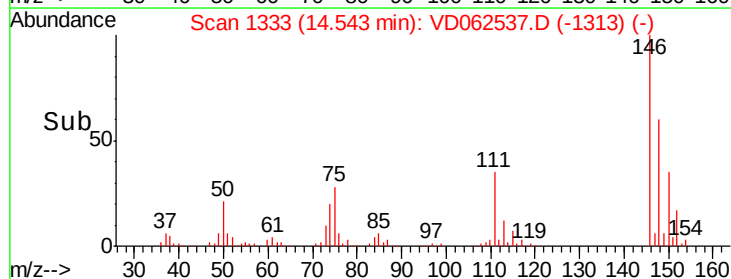
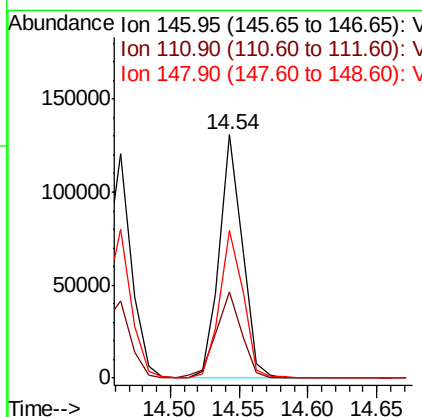
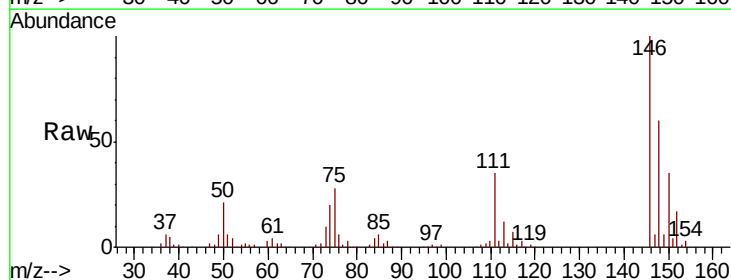
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBS01

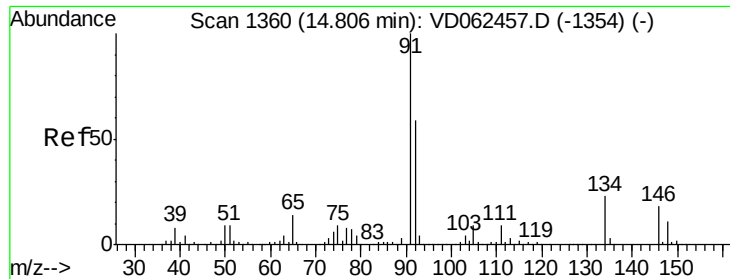
Tot Ion	Ratio	Lower	Upper
146	100		
111	34.7	20.0	60.0
148	66.4	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 18.710 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VD062537.D
 Acq: 28 May 2019 14:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	20.2	60.5
148	60.4	32.0	96.2

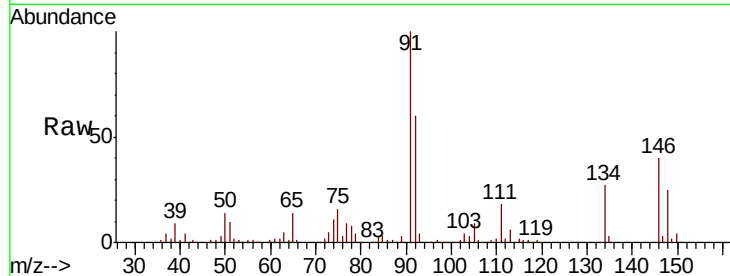




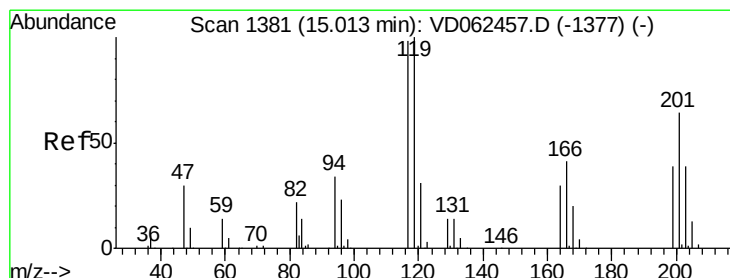
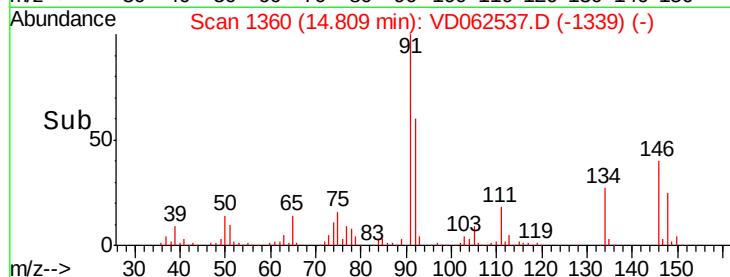
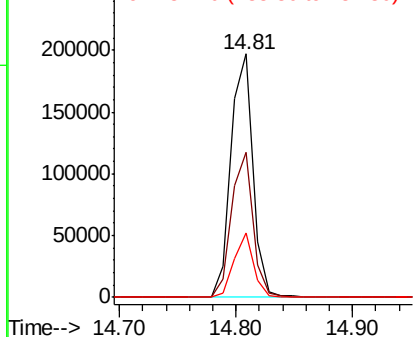
#89
n-Butylbenzene
Concen: 17.542 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VD062537.D
Acq: 28 May 2019 14:31

Instrument :
MSVOA_D
ClientSampleId :
VD0528SBS01

Tot Ion: 91 Resp: 257736
Ion Ratio Lower Upper
91 100
92 59.7 30.3 91.0
134 26.7 14.5 43.6

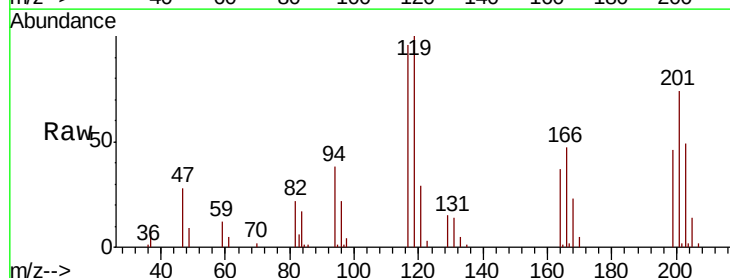


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

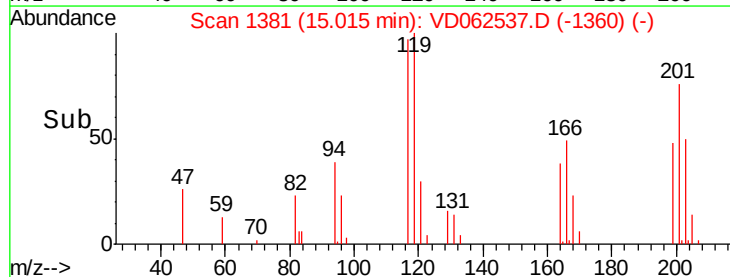
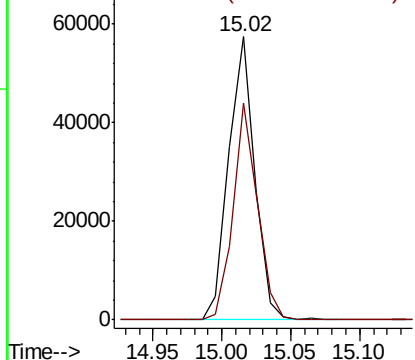


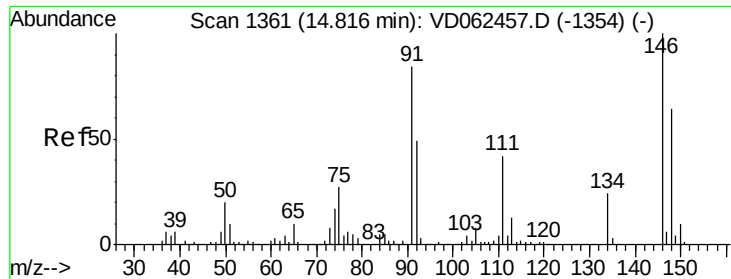
#90
Hexachloroethane
Concen: 17.890 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VD062537.D
Acq: 28 May 2019 14:31

Tgt Ion: 117 Resp: 75271
Ion Ratio Lower Upper
117 100
201 76.7 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

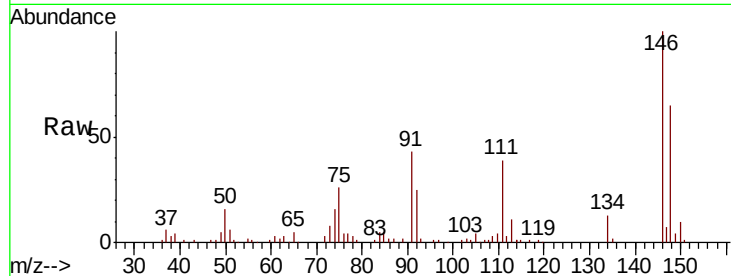




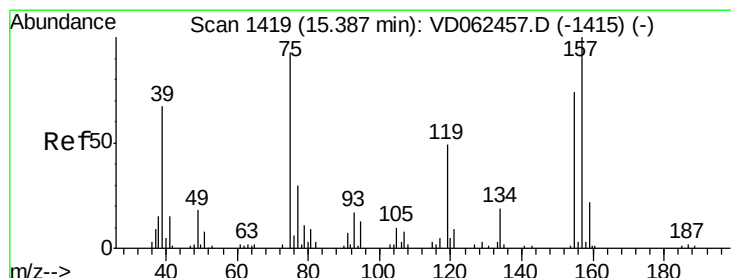
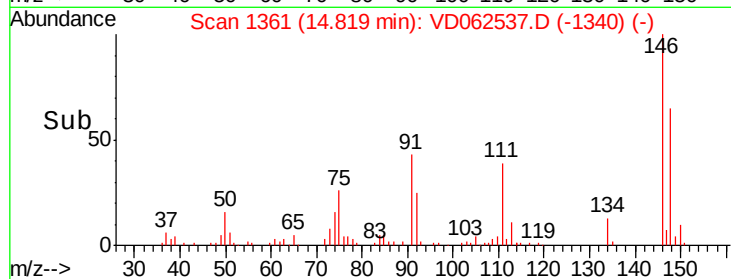
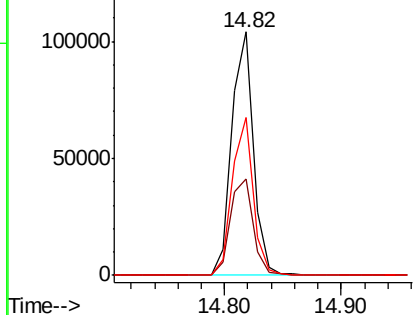
#91
 1,2-Dichlorobenzene
 Concen: 18.745 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: VD062537.D
 Acq: 28 May 2019 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBS01

Tot Ion:146 Resp: 133954
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.0 59.9
 148 65.0 32.3 96.8

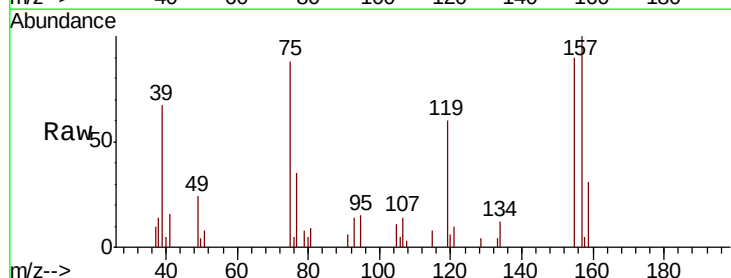


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

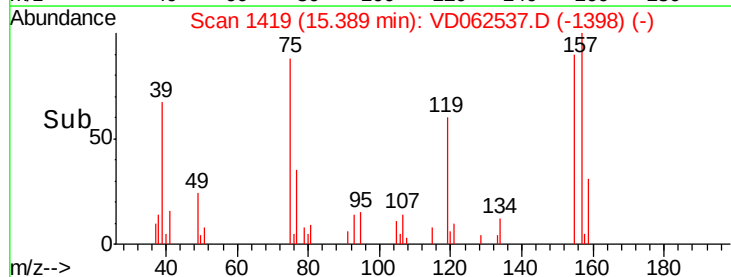
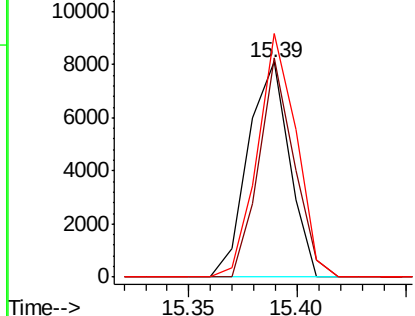


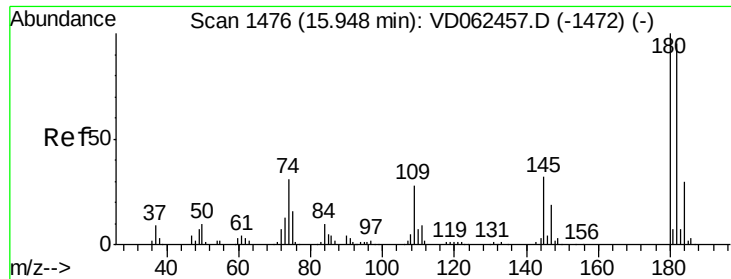
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.557 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.00 min
 Lab File: VD062537.D
 Acq: 28 May 2019 14:31

Tgt Ion: 75 Resp: 10660
 Ion Ratio Lower Upper
 75 100
 155 101.7 55.3 165.8
 157 113.1 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

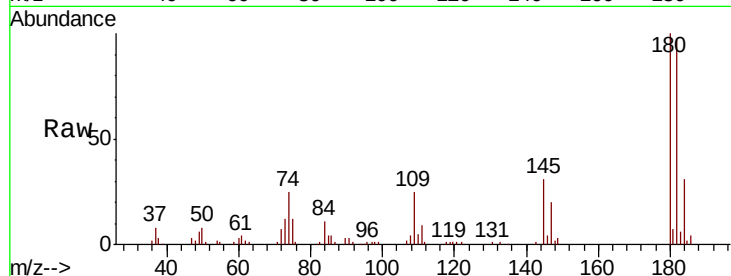




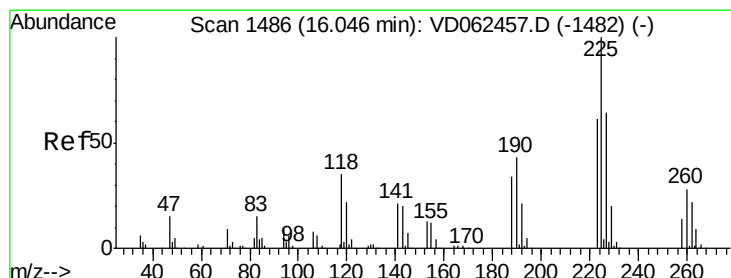
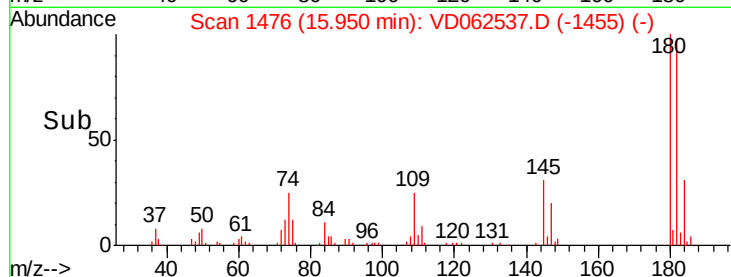
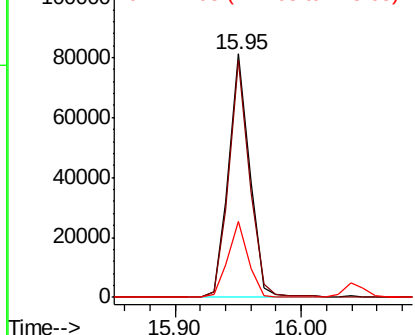
#93
 1,2,4-Trichlorobenzene
 Concen: 16.699 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VD062537.D
 Acq: 28 May 2019 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBS01

Tot Ion:180 Resp: 93962
 Ion Ratio Lower Upper
 180 100
 182 97.2 49.3 147.8
 145 31.0 16.2 48.6

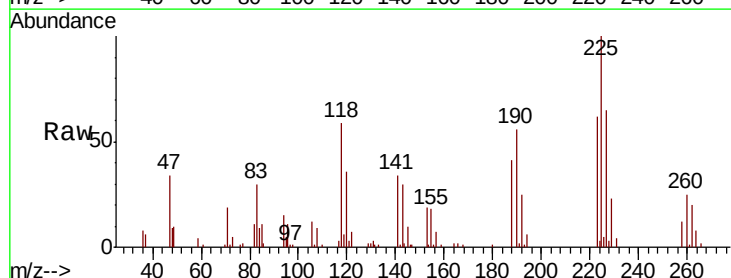


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

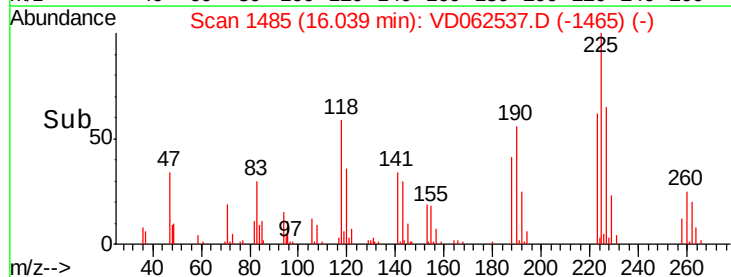
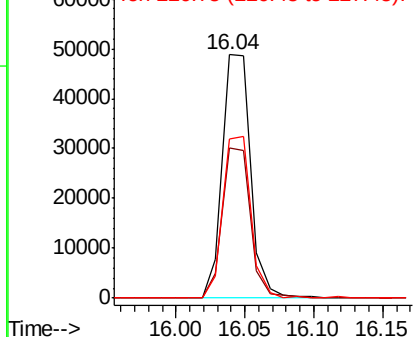


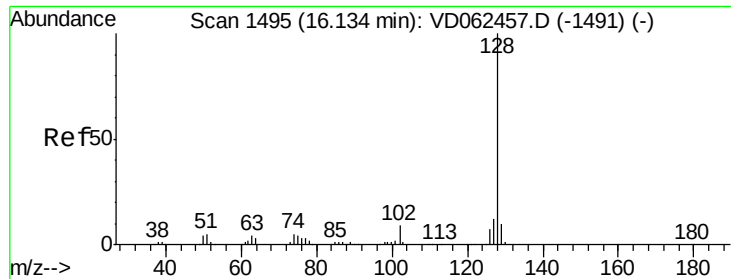
#94
 Hexachlorobutadiene
 Concen: 16.728 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD062537.D
 Acq: 28 May 2019 14:31

Tgt Ion:225 Resp: 69500
 Ion Ratio Lower Upper
 225 100
 223 61.9 30.6 92.0
 227 65.3 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

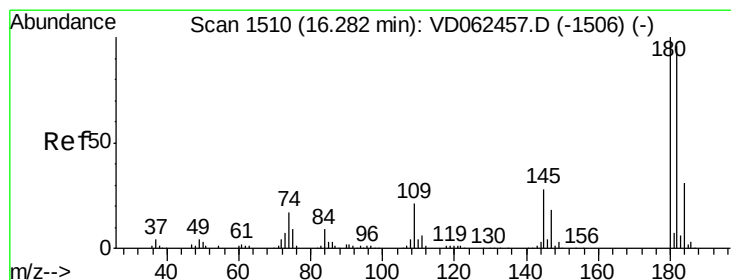
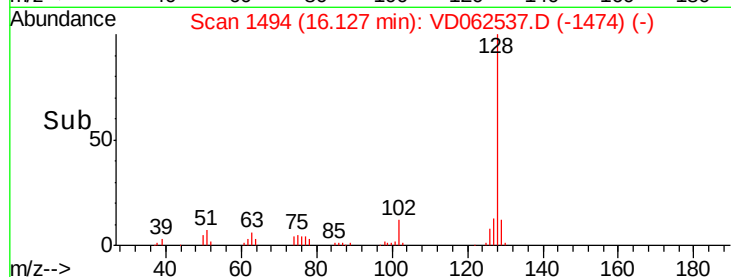
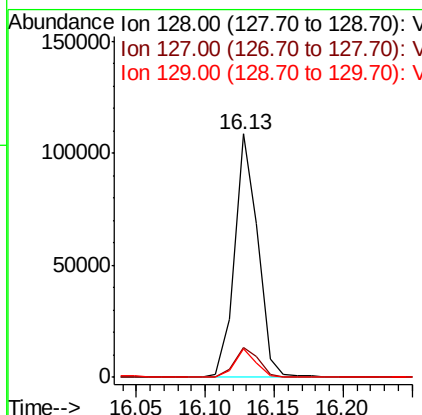
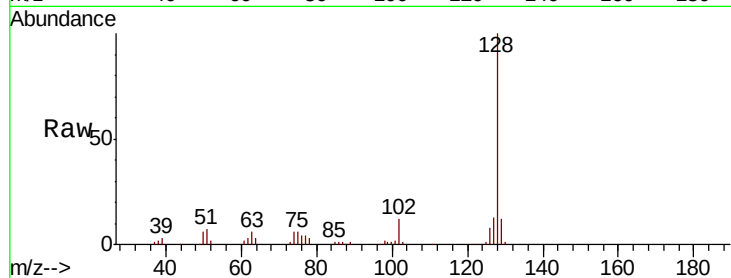




#95
Naphthalene
Concen: 16.623 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. -0.01 min
Lab File: VD062537.D
Acq: 28 May 2019 14:31

Instrument :
MSVOA_D
ClientSampleId :
VD0528SBS01

Tot Ion:128 Resp: 127806
Ion Ratio Lower Upper
128 100
127 12.5 9.8 14.8
129 11.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 15.665 ug/l
RT: 16.27 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VD062537.D
Acq: 28 May 2019 14:31

Tgt Ion:180 Resp: 72256
Ion Ratio Lower Upper
180 100
182 96.1 47.0 141.0
145 32.4 17.0 51.0

