

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052219\
 Data File : VD062509.D
 Acq On : 22 May 2019 18:08
 Operator : VA/AP
 Sample : K2996-08
 Misc : 6.02g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 23 03:15:38 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	7.03	168	5100	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	8832	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	7196	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	4047	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	4379	80.21	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	160.42%	
35) Dibromofluoromethane	6.89	113	2508	31.48	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	62.96%	
50) Toluene-d8	10.39	98	13640	78.23	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	156.46%	
62) 4-Bromofluorobenzene	13.54	95	7368	96.60	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	193.20%	

Target Compounds

						Qvalue
13) Acrolein	2.98	56	183	87.449	ug/l #	1
14) Allyl chloride	3.67	41	3222	57.857	ug/l #	57
15) Acrylonitrile	4.21	53	12522	2168.621	ug/l #	30
16) Acetone	3.26	43	844	86.274	ug/l #	50
20) Methylene Chloride	3.93	84	6969	183.684	ug/l #	13
23) Vinyl Acetate	5.04	43	4001	55.859	ug/l #	77
24) 1,1-Dichloroethane	5.03	63	529	6.929	ug/l #	85
25) 2-Butanone	6.05	43	423	41.341	ug/l #	56
29) Tetrahydrofuran	6.60	42	2408	492.774	ug/l #	30
30) Chloroform	6.58	83	31785	326.577	ug/l #	18
31) Cyclohexane	6.95	56	118047	2290.136	ug/l #	51
37) Ethyl Acetate	6.05	43	423	12.895	ug/l #	64
39) Methylcyclohexane	8.85	83	131856	1893.228	ug/l	91
40) Benzene	7.44	78	11984	72.354	ug/l	100
41) Methacrylonitrile	6.45	41	9414	228.503	ug/l #	58
43) Isopropyl Acetate	9.26	43	8905	204.631	ug/l #	43
45) 1,2-Dichloropropane	8.83	63	1988	49.252	ug/l #	1
46) Dibromomethane	8.93	93	982	26.839	ug/l #	1
47) Bromodichloromethane	9.37	83	33843	363.601	ug/l #	26
48) Methyl methacrylate	9.13	41	39211	1338.948	ug/l	92
51) 4-Methyl-2-Pentanone	10.26	43	2667	92.770	ug/l #	37
52) Toluene	10.49	92	26174	230.836	ug/l	94
55) 1,1,2-Trichloroethane	11.09	97	37835	984.537	ug/l #	22
56) Ethyl methacrylate	11.07	69	26540	646.026	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.77	63	2300	109.029	ug/l #	46
59) 2-Hexanone	11.47	43	24743	1184.227	ug/l #	27
67) Ethyl Benzene	12.51	91	382849	1606.217	ug/l	97
68) m/p-Xylenes	12.66	106	213821	2499.079	ug/l	93
69) o-Xylene	13.04	106	29688	367.753	ug/l	85
70) Styrene	13.04	104	1426	10.384	ug/l #	1
73) Isopropylbenzene	13.39	105	636038	2493.311	ug/l	99
74) N-amyl acetate	13.30	43	8087	128.355	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	13.71	83	1472	31.985	ug/l #	81
76) 1,2,3-Trichloropropane	13.76	75	5558	116.596	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

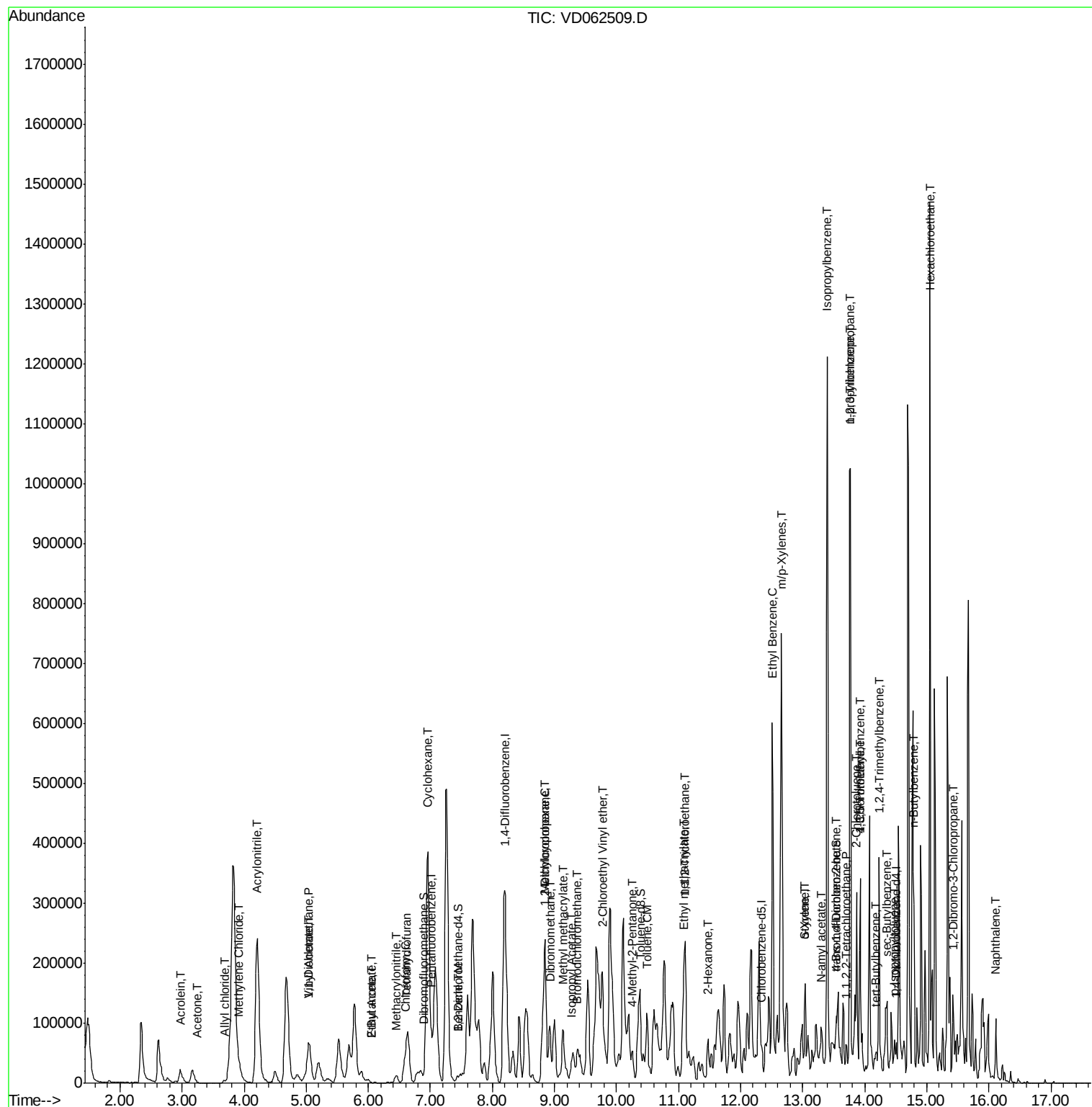
78) n-propylbenzene	13.77	91	726122	2457.364	ug/l	100
79) 2-Chlorotoluene	13.87	91	26987	150.496	ug/l #	38
80) 1,3,5-Trimethylbenzene	13.93	105	138434	626.749	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.54	75	1307	97.219	ug/l #	11
82) 4-Chlorotoluene	13.93	91	16536	80.072	ug/l #	37
83) tert-Butylbenzene	14.18	119	9333	38.093	ug/l	91
84) 1,2,4-Trimethylbenzene	14.23	105	166468	735.521	ug/l	99
85) sec-Butylbenzene	14.36	105	61728	241.626	ug/l	100
86) p-Isopropyltoluene	14.48	119	21890	94.552	ug/l	86
89) n-Butylbenzene	14.79	91	152117	680.827	ug/l	97
90) Hexachloroethane	15.05	117	55422	866.205	ug/l #	20
92) 1,2-Dibromo-3-Chloropropan	15.42	75	193	22.094	ug/l #	1
95) Naphthalene	16.11	128	60417	516.767	ug/l	98

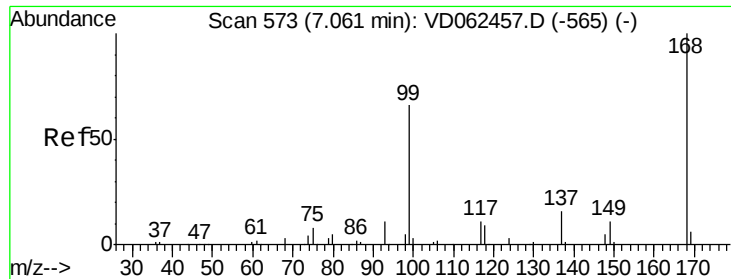
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.03 min

Lab File: VD062509.D

Acq: 22 May 2019 18:08

Instrument :

MSVOA_D

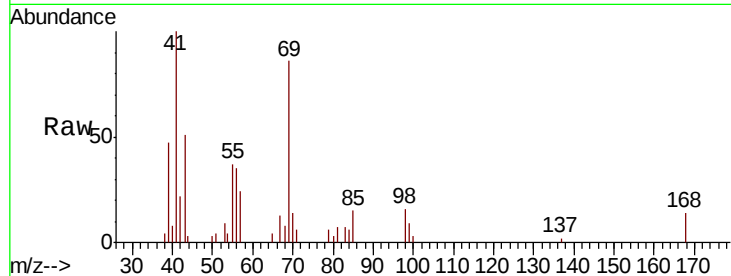
ClientSampleId :

Tot Ion:168 Resp: 5100

Ion Ratio Lower Upper

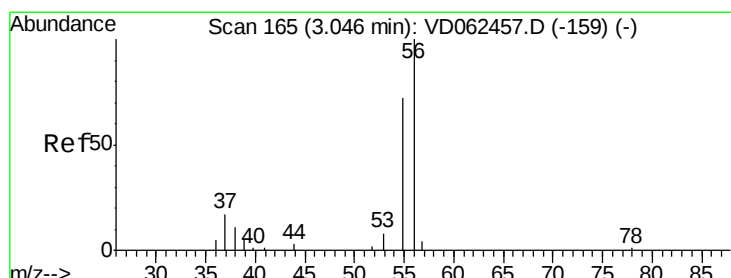
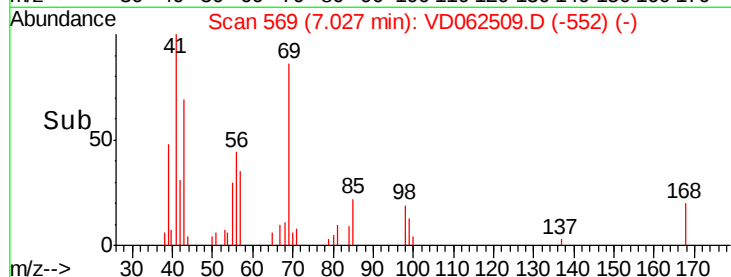
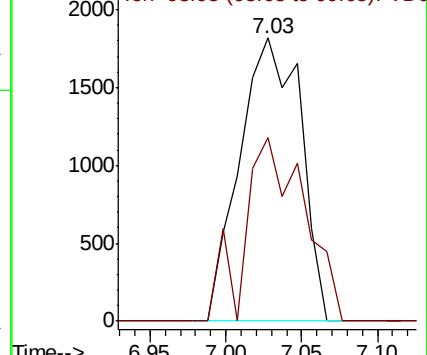
168 100

99 64.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#13

Acrolein

Concen: 87.449 ug/l

RT: 2.98 min Scan# 158

Delta R.T. -0.06 min

Lab File: VD062509.D

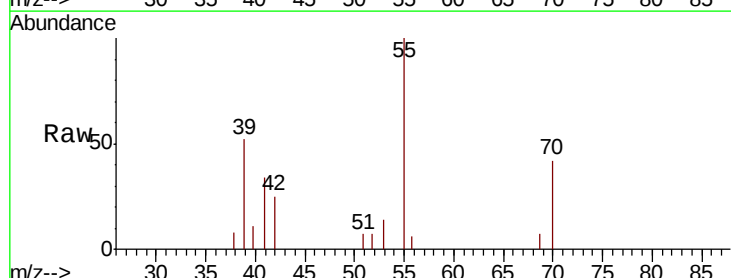
Acq: 22 May 2019 18:08

Tgt Ion: 56 Resp: 183

Ion Ratio Lower Upper

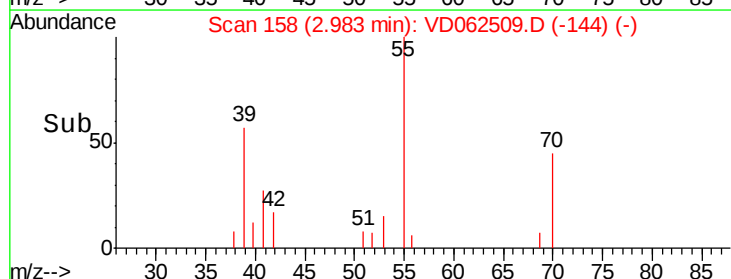
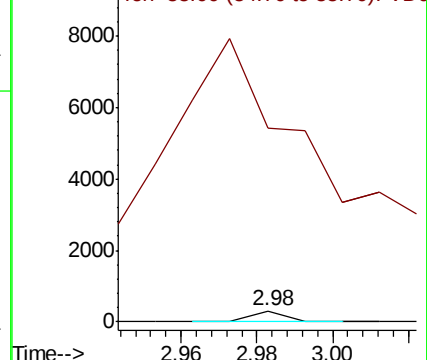
56 100

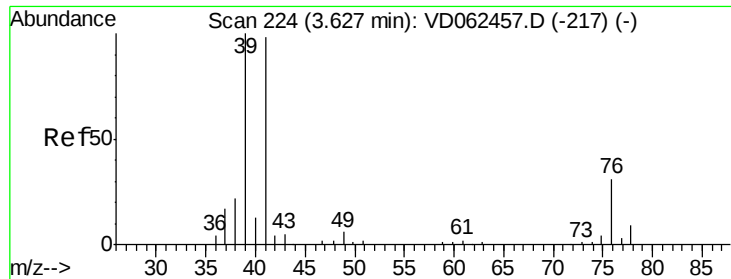
55 1750.3 51.4 77.2#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

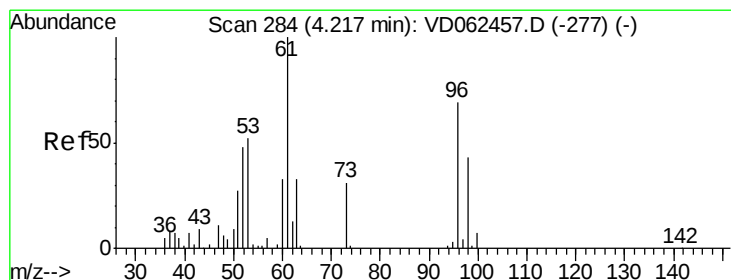
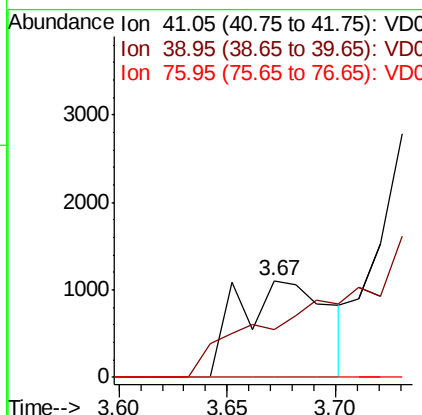
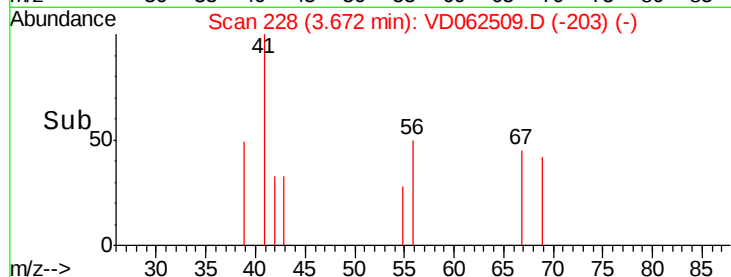
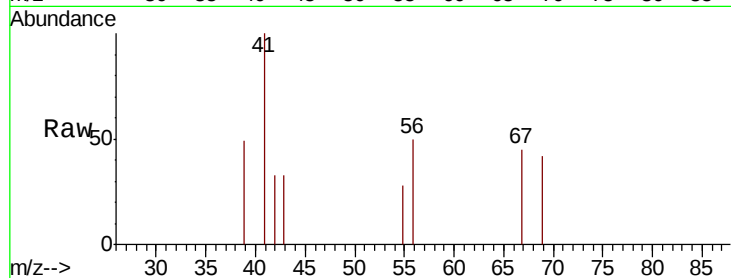




#14
Allvl chloride
Concen: 57.857 ug/l
RT: 3.67 min Scan# 228
Delta R.T. 0.04 min
Lab File: VD062509.D
Acq: 22 May 2019 18:08

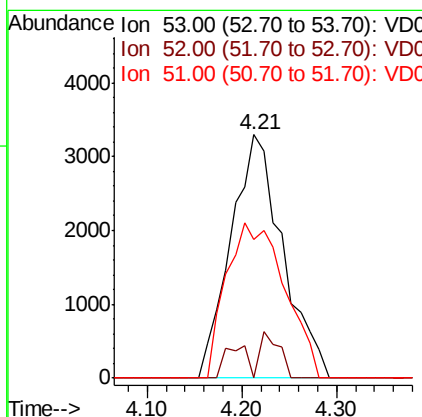
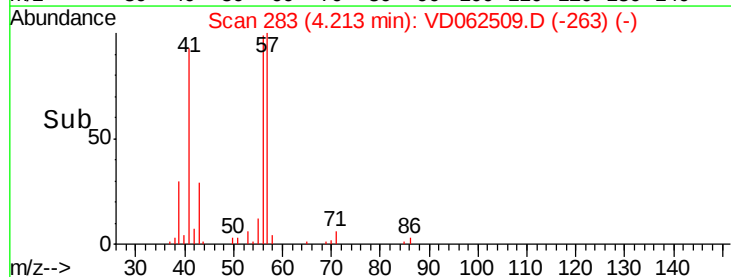
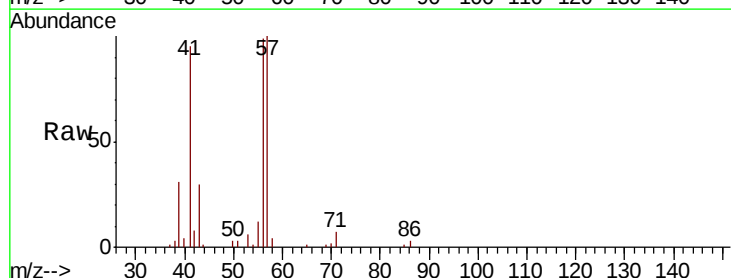
Instrument :
MSVOA_D
ClientSampleId :

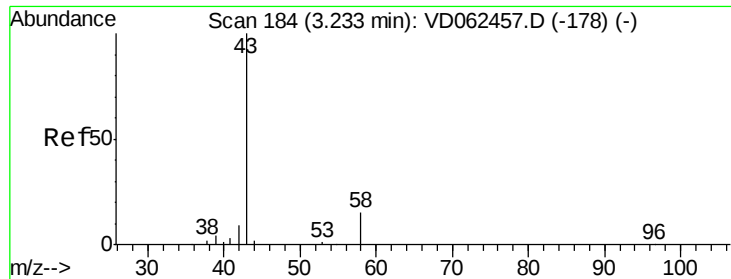
Tot Ion: 41 Resp: 3222
Ion Ratio Lower Upper
41 100
39 48.8 60.5 90.7#
76 0.0 31.8 47.8#



#15
Acrylonitrile
Concen: 2168.621 ug/l
RT: 4.21 min Scan# 283
Delta R.T. -0.00 min
Lab File: VD062509.D
Acq: 22 May 2019 18:08

Tgt Ion: 53 Resp: 12522
Ion Ratio Lower Upper
53 100
52 0.0 65.0 97.4#
51 57.1 32.6 48.8#





#16

Acetone

Concen: 86.274 ug/l

RT: 3.26 min Scan# 186

Delta R.T. 0.03 min

Lab File: VD062509.D

Acq: 22 May 2019 18:08

Instrument :

MSVOA_D

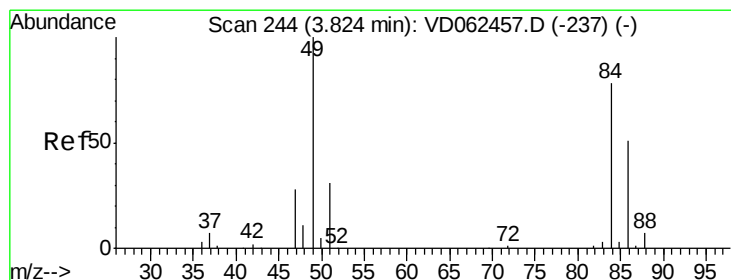
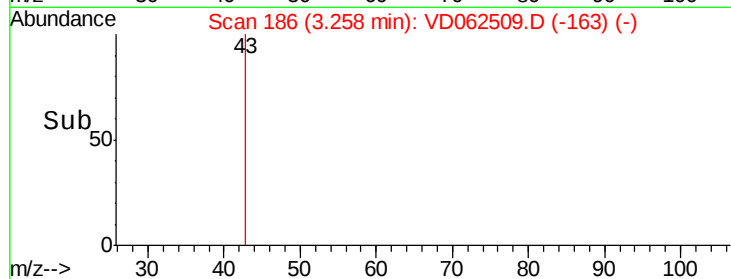
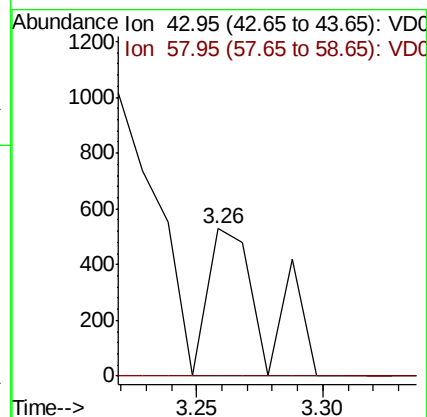
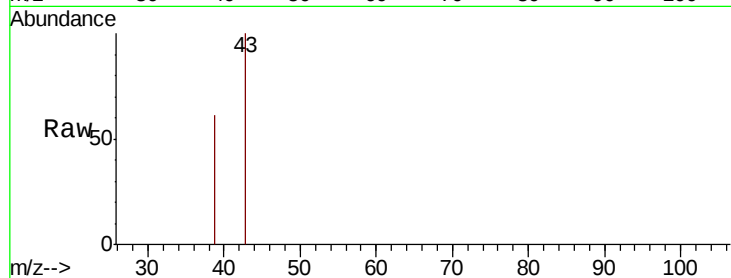
ClientSampled :

Tot Ion: 43 Resp: 844

Ion Ratio Lower Upper

43 100

58 0.0 19.9 29.9#



#20

Methylene Chloride

Concen: 183.684 ug/l

RT: 3.93 min Scan# 254

Delta R.T. 0.10 min

Lab File: VD062509.D

Acq: 22 May 2019 18:08

Tgt Ion: 84 Resp: 6969

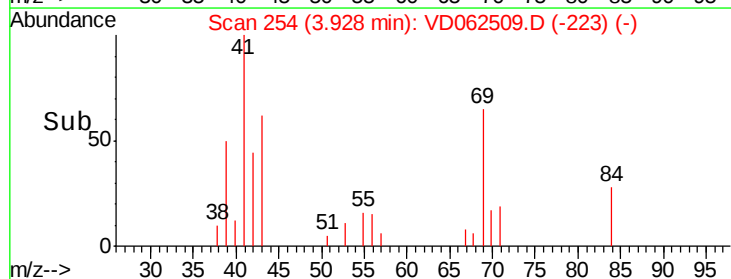
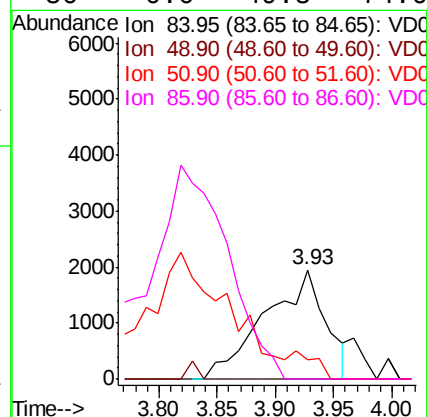
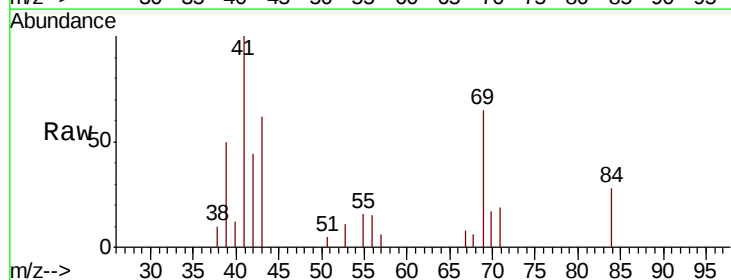
Ion Ratio Lower Upper

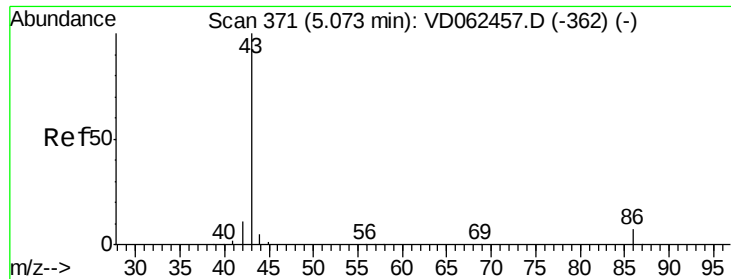
84 100

49 0.0 94.0 141.0#

51 17.7 29.0 43.4#

86 0.0 49.8 74.6#





#23

Vinyl Acetate

Concen: 55.859 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.03 min

Lab File: VD062509.D

Acq: 22 May 2019 18:08

Instrument :

MSVOA_D

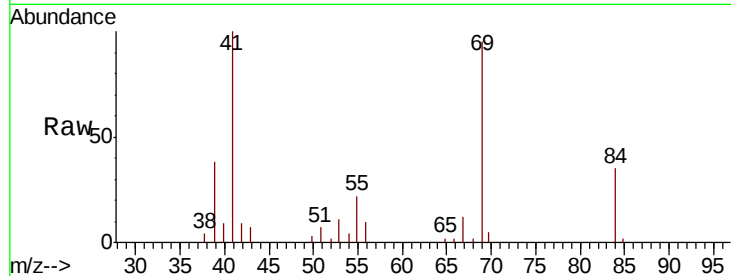
ClientSampled :

Tot Ion: 43 Resp: 4001

Ion Ratio Lower Upper

43 100

86 0.0 6.4 9.6#



Abundance Ion 42.95 (42.65 to 43.65): VD062509.D (-367) (-)

Ion 86.00 (85.70 to 86.70): VD062509.D (-367) (-)

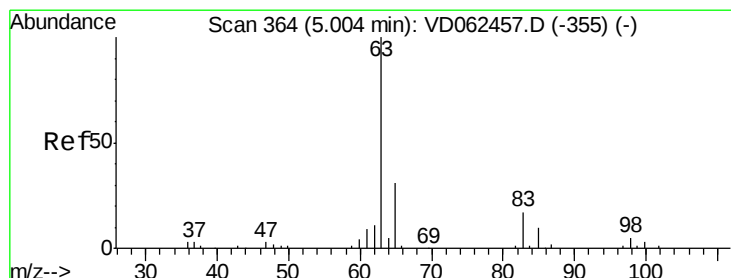
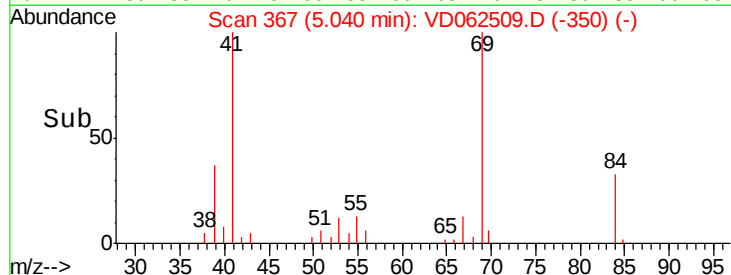
5.04

1000

500

0

Time-->



#24

1,1-Dichloroethane

Concen: 6.929 ug/l

RT: 5.03 min Scan# 366

Delta R.T. 0.03 min

Lab File: VD062509.D

Acq: 22 May 2019 18:08

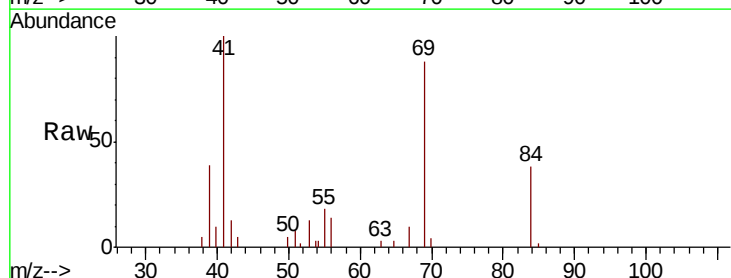
Tgt Ion: 63 Resp: 529

Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.4#

100 0.0 1.8 5.5#



Abundance Ion 62.95 (62.65 to 63.65): VD062509.D (-366) (-)

Ion 97.95 (97.65 to 98.65): VD062509.D (-366) (-)

Ion 99.95 (99.65 to 100.65): VD062509.D (-366) (-)

5.03

600

500

400

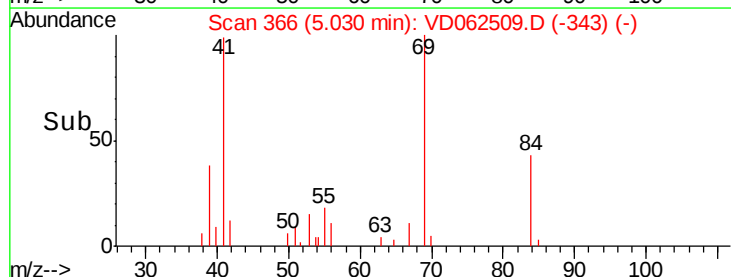
300

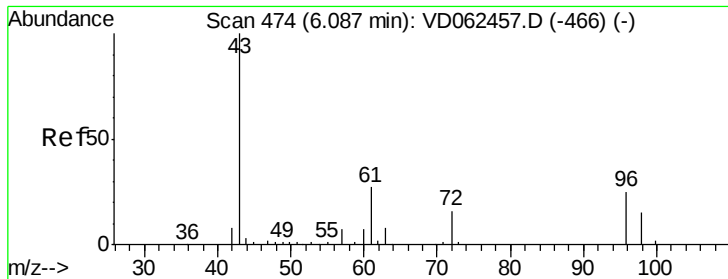
200

100

0

Time-->





#25

2-Butanone

Concen: 41.341 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.03 min

Lab File: VD062509.D

Acq: 22 May 2019 18:08

Instrument :

MSVOA_D

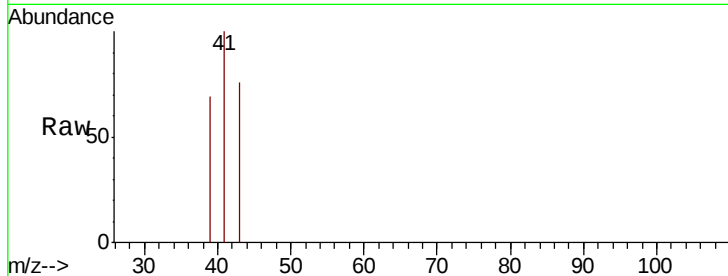
ClientSampled :

Tot Ion: 43 Resp: 423

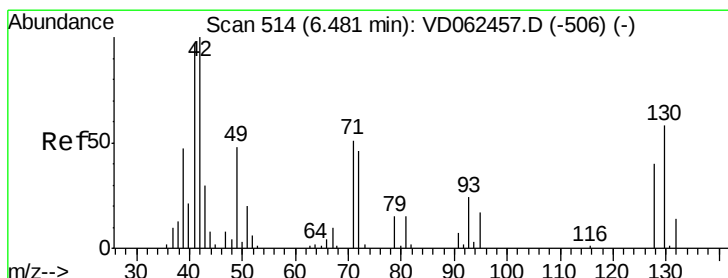
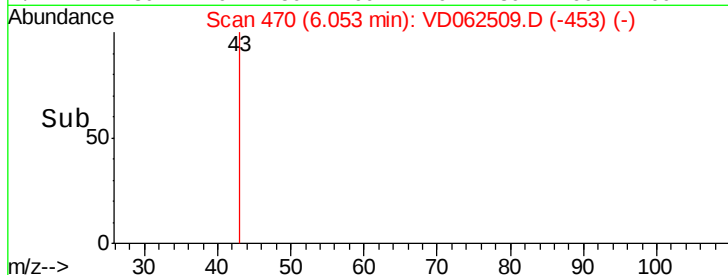
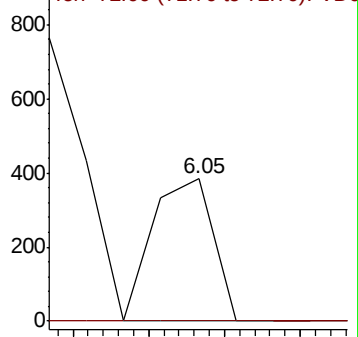
Ion Ratio Lower Upper

43 100

72 0.0 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC



#29

Tetrahydrofuran

Concen: 492.774 ug/l

RT: 6.60 min Scan# 526

Delta R.T. 0.12 min

Lab File: VD062509.D

Acq: 22 May 2019 18:08

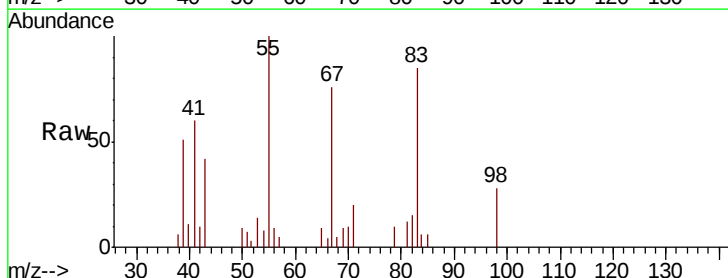
Tgt Ion: 42 Resp: 2408

Ion Ratio Lower Upper

42 100

72 0.0 37.8 56.6#

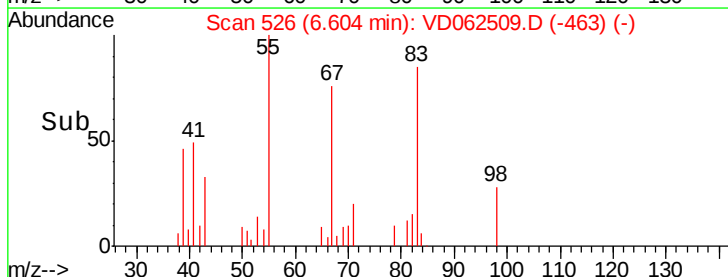
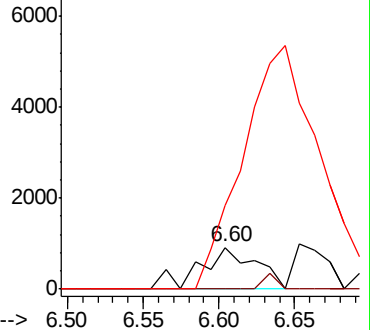
71 0.0 36.7 55.1#

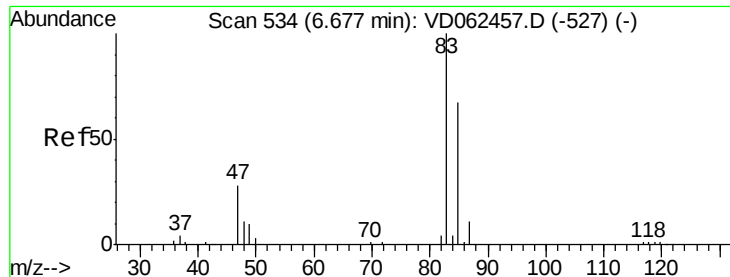


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

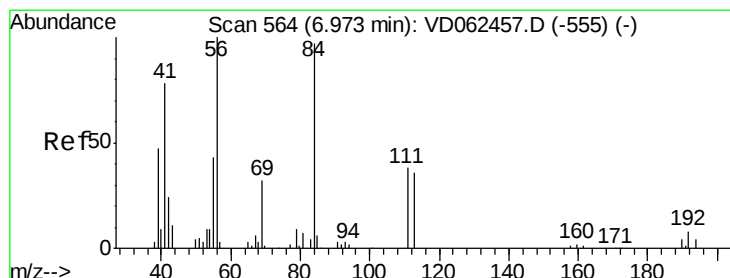
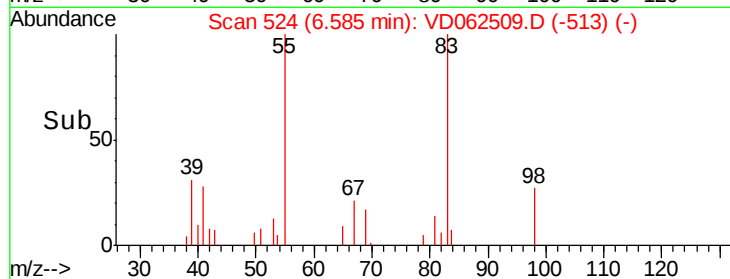
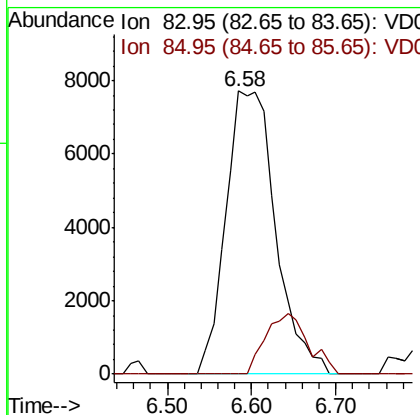
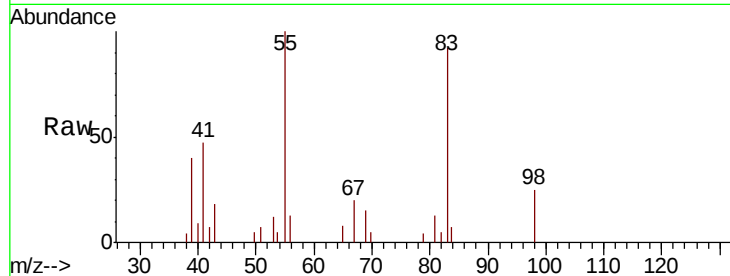




#30
Chloroform
Concen: 326.577 ug/l
RT: 6.58 min Scan# 524
Delta R.T. -0.09 min
Lab File: VD062509.D
Acq: 22 May 2019 18:08

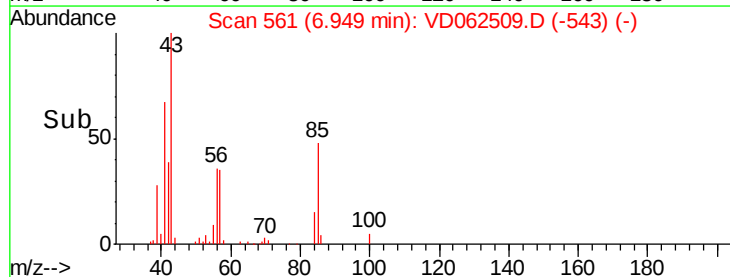
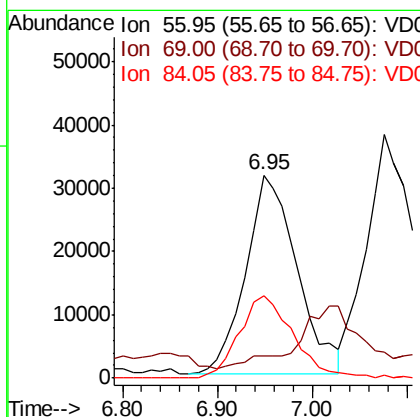
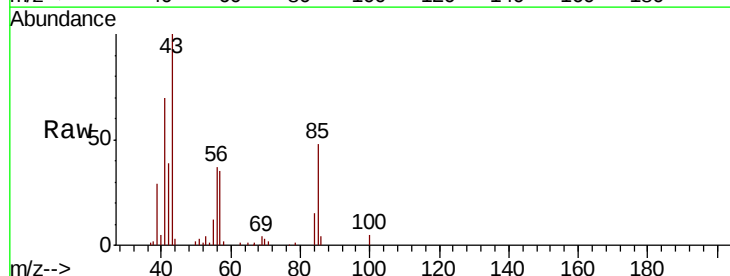
Instrument :
MSVOA_D
ClientSampled :

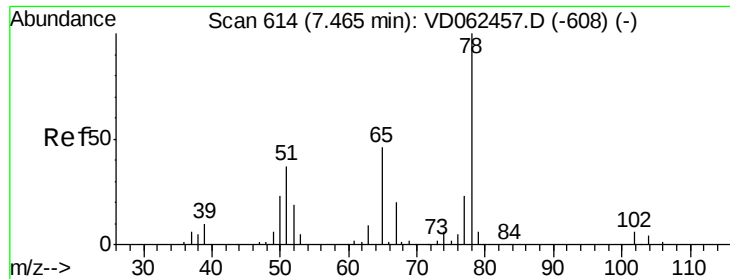
Tot Ion: 83 Resp: 31785
Ion Ratio Lower Upper
83 100
85 0.0 51.7 77.5#



#31
Cyclohexane
Concen: 2290.136 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.02 min
Lab File: VD062509.D
Acq: 22 May 2019 18:08

Tgt Ion: 56 Resp: 118047
Ion Ratio Lower Upper
56 100
69 11.2 25.8 38.6#
84 40.7 72.2 108.4#





#33

1,2-Dichloroethane-d4

Concen: 80.213 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD062509.D

Acq: 22 May 2019 18:08

Instrument :

MSVOA_D

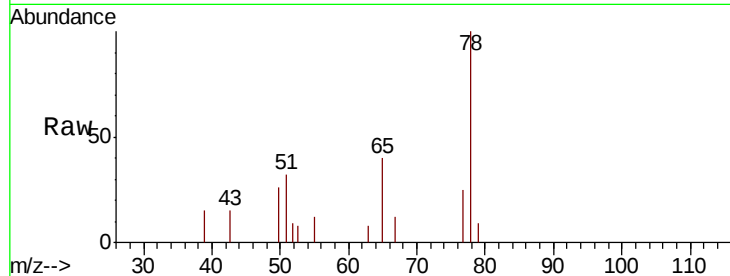
ClientSampleId :

Tot Ion: 65 Resp: 4379

Ion Ratio Lower Upper

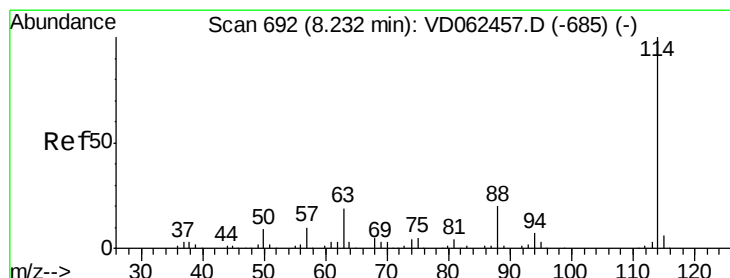
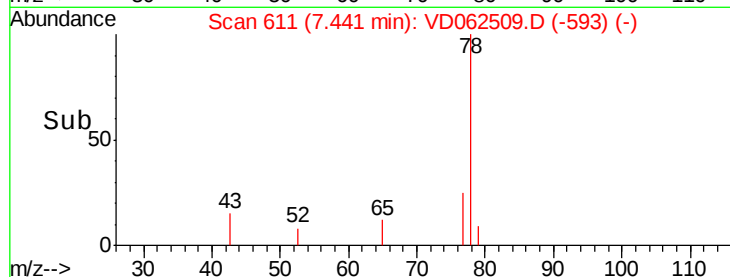
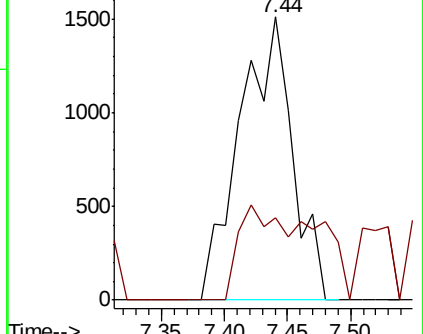
65 100

67 29.0 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. -0.03 min

Lab File: VD062509.D

Acq: 22 May 2019 18:08

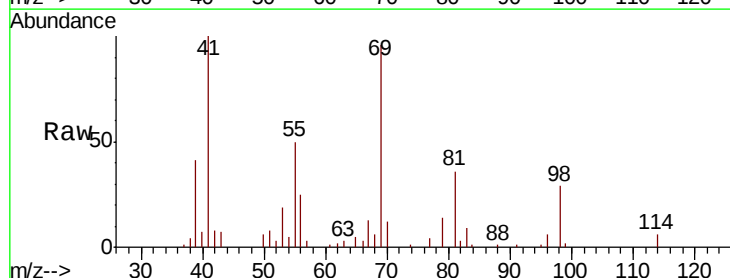
Tgt Ion: 114 Resp: 8832

Ion Ratio Lower Upper

114 100

63 52.3 0.0 32.4#

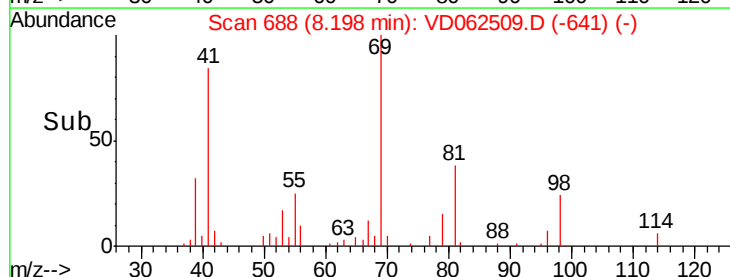
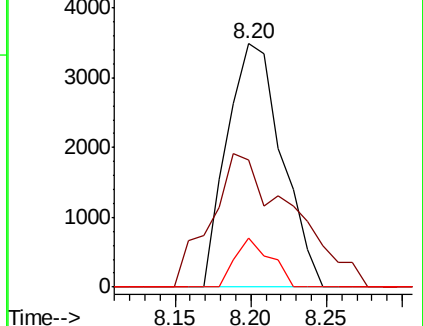
88 20.1 0.0 33.6

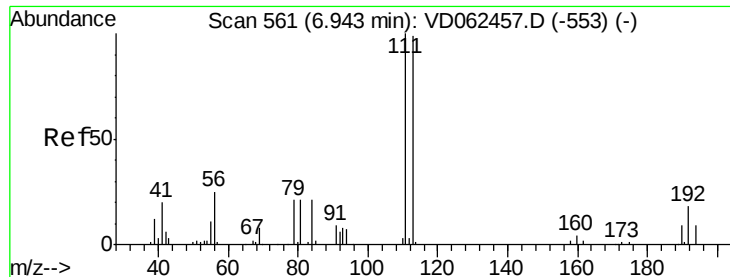


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 31.478 ug/l

RT: 6.89 min Scan# 555

Delta R.T. -0.05 min

Lab File: VD062509.D

Acq: 22 May 2019 18:08

Instrument :
MSVOA_D
ClientSampleId :

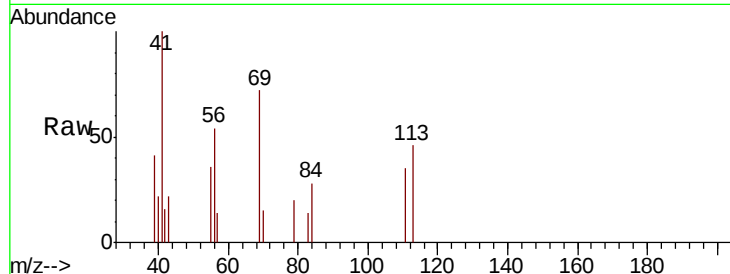
Tot Ion:113 Resp: 2508

Ion Ratio Lower Upper

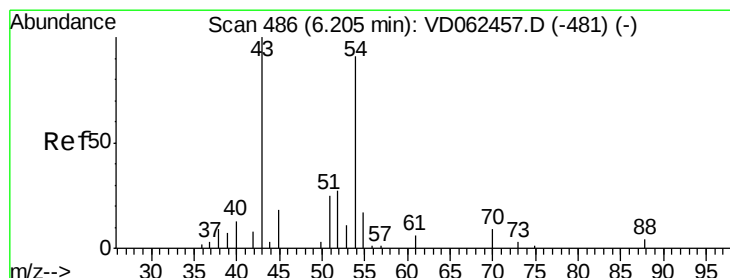
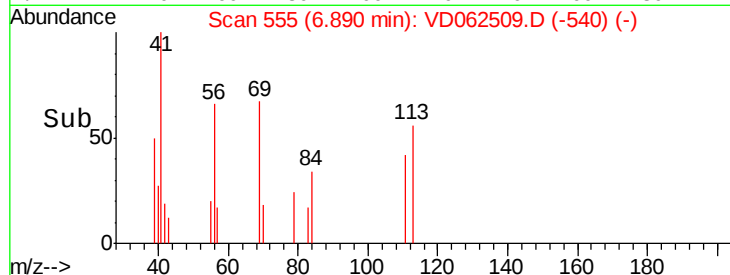
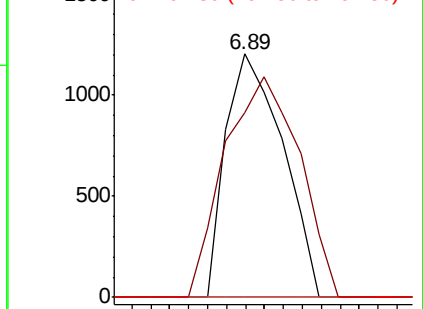
113 100

111 75.9 78.5 117.7#

192 0.0 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



#37

Ethyl Acetate

Concen: 12.895 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.15 min

Lab File: VD062509.D

Acq: 22 May 2019 18:08

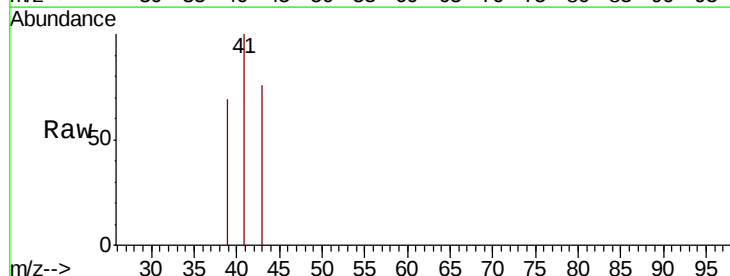
Tgt Ion: 43 Resp: 423

Ion Ratio Lower Upper

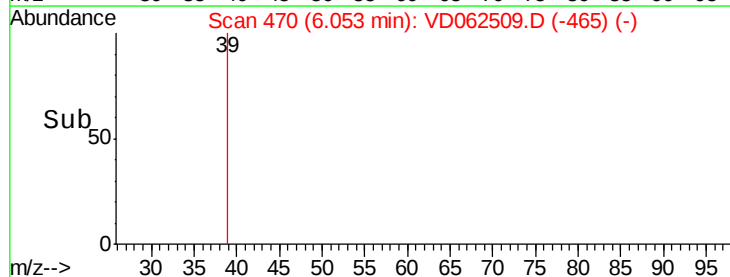
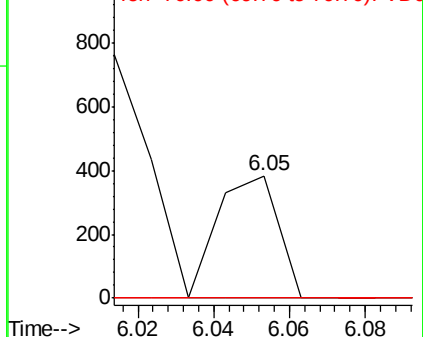
43 100

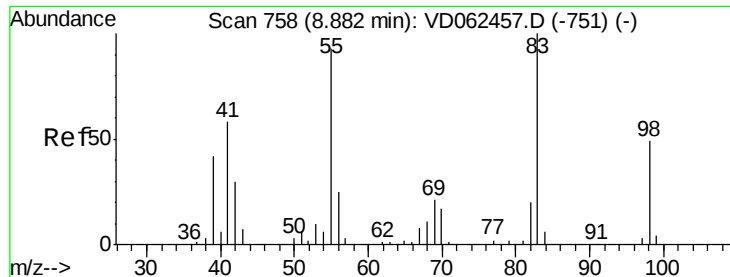
61 0.0 14.7 22.1#

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

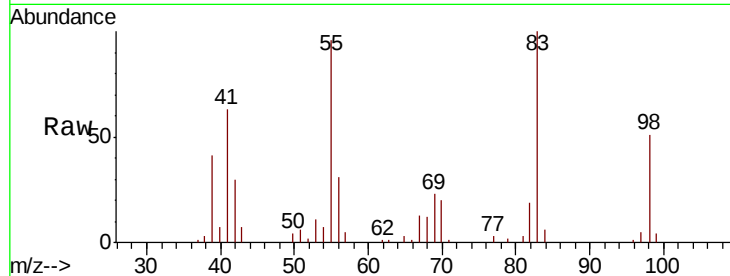




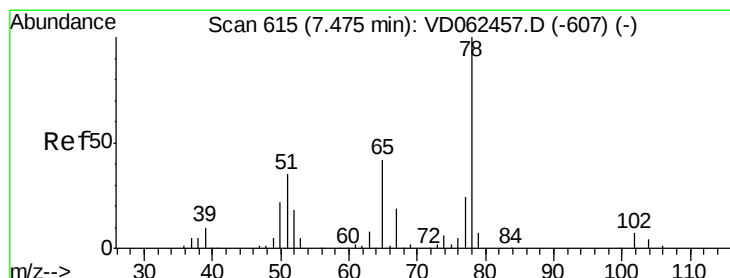
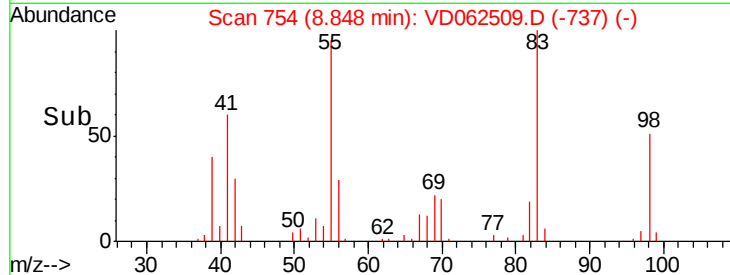
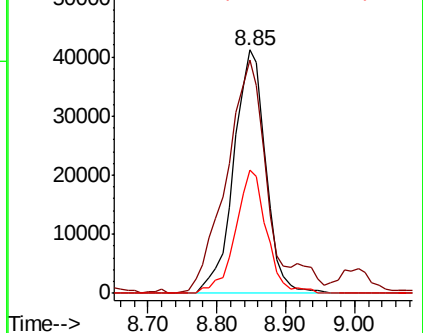
#39
Methvlcvclohexane
Concen: 1893.228 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.03 min
Lab File: VD062509.D
Acq: 22 May 2019 18:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 131856
Ion Ratio Lower Upper
83 100
55 95.9 68.2 102.4
98 50.7 38.2 57.4

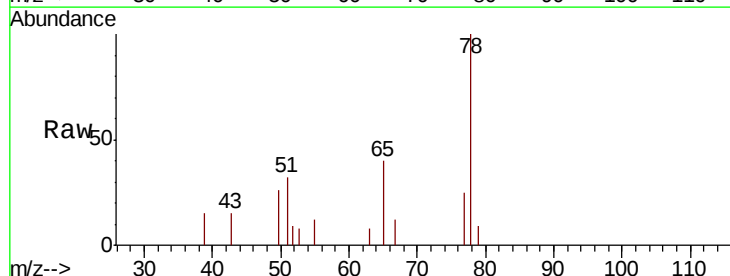


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

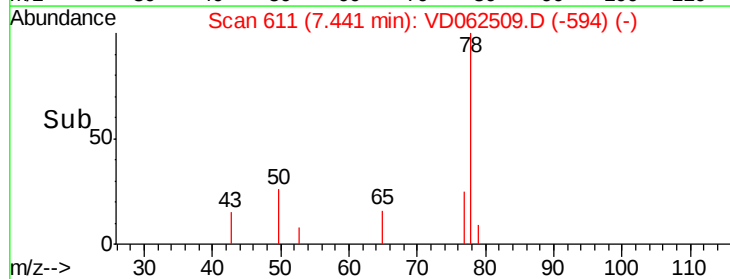
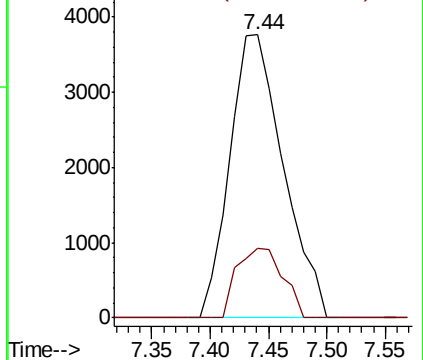


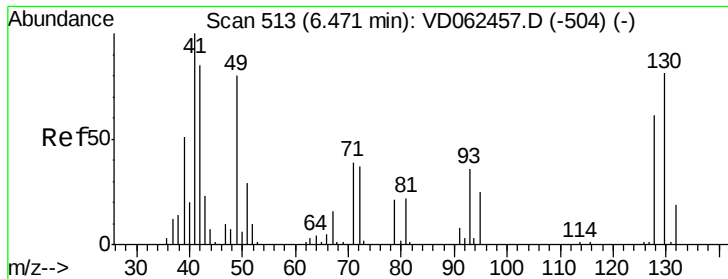
#40
Benzene
Concen: 72.354 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.03 min
Lab File: VD062509.D
Acq: 22 May 2019 18:08

Tgt Ion: 78 Resp: 11984
Ion Ratio Lower Upper
78 100
77 24.6 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: 228.503 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.02 min

Lab File: VD062509.D

Acq: 22 May 2019 18:08

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 9414

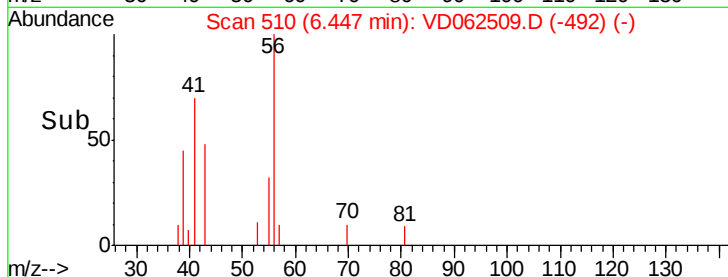
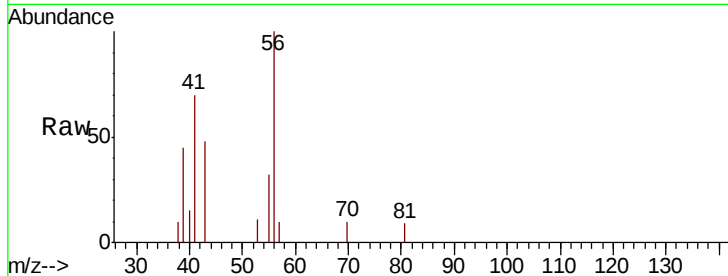
Ion Ratio Lower Upper

41 100

39 65.2 34.1 51.1#

67 0.0 23.8 35.6#

52 0.0 8.8 13.2#

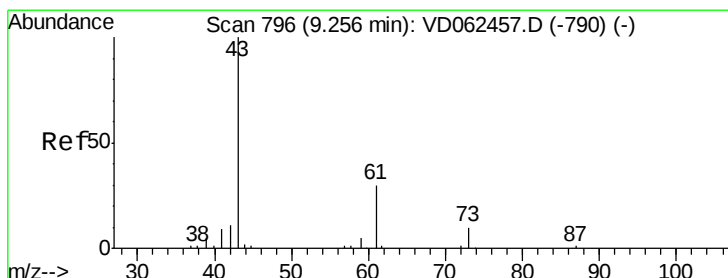
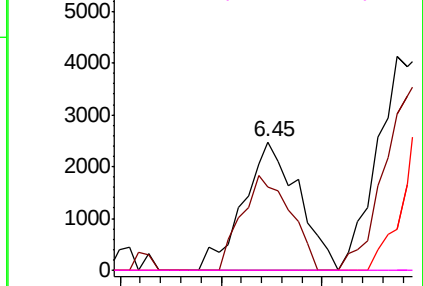


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#43

Isopropyl Acetate

Concen: 204.631 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.01 min

Lab File: VD062509.D

Acq: 22 May 2019 18:08

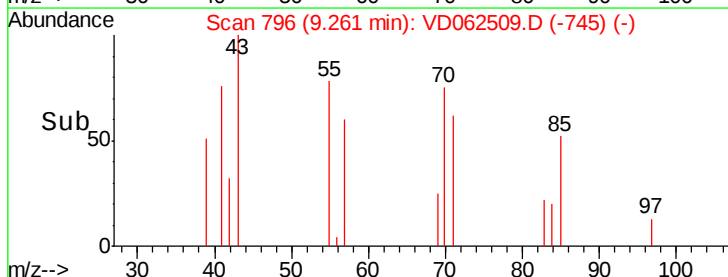
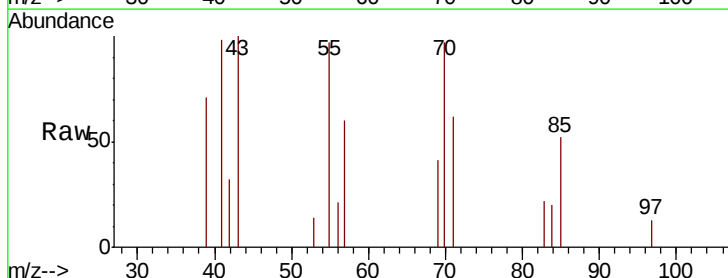
Tgt Ion: 43 Resp: 8905

Ion Ratio Lower Upper

43 100

61 0.0 25.1 37.7#

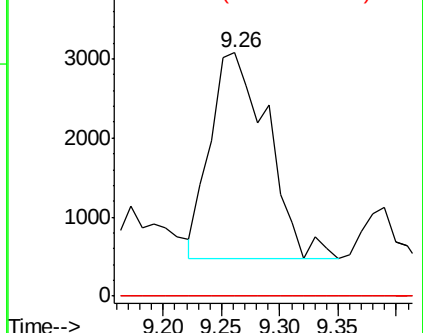
87 0.0 0.0 0.0

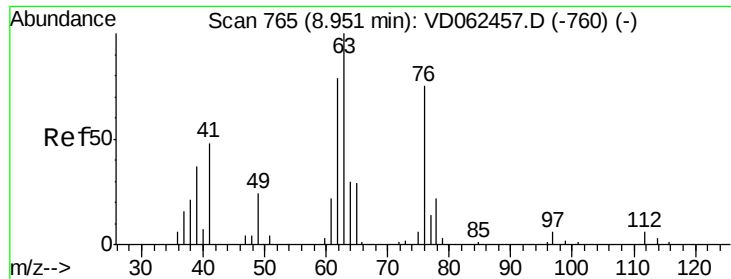


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC





#45

1,2-Dichloropropane

Concen: 49.252 ug/l

RT: 8.83 min Scan# 752

Delta R.T. -0.12 min

Lab File: VD062509.D

Acq: 22 May 2019 18:08

Instrument :

MSVOA_D

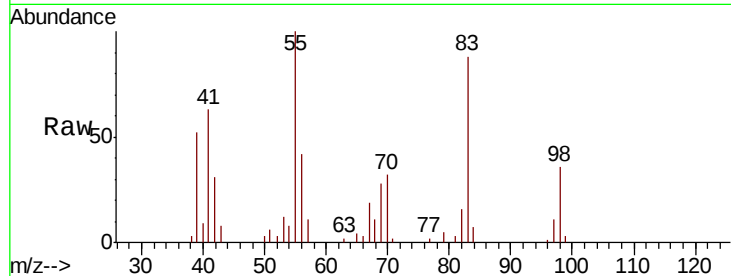
ClientSampled :

Tot Ion: 63 Resp: 1988

Ion Ratio Lower Upper

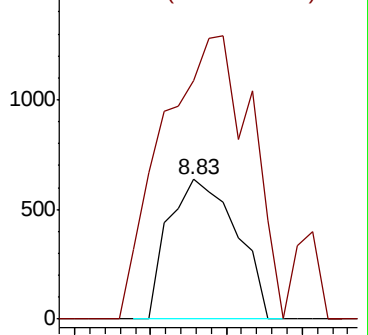
63 100

65 171.1 23.8 35.6#

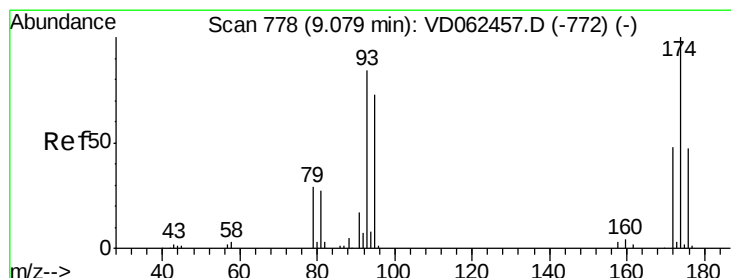
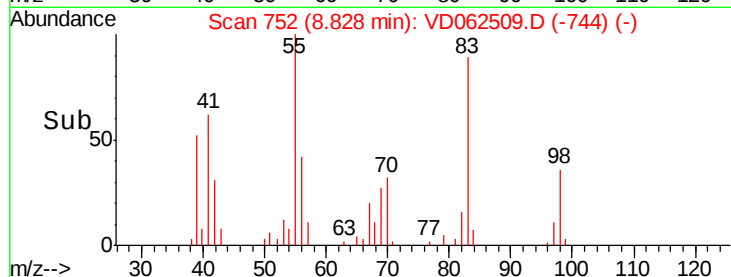


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



Time-->



#46

Dibromomethane

Concen: 26.839 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.15 min

Lab File: VD062509.D

Acq: 22 May 2019 18:08

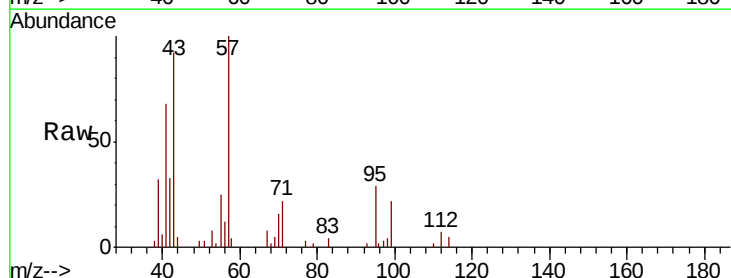
Tgt Ion: 93 Resp: 982

Ion Ratio Lower Upper

93 100

95 1438.7 64.8 97.2#

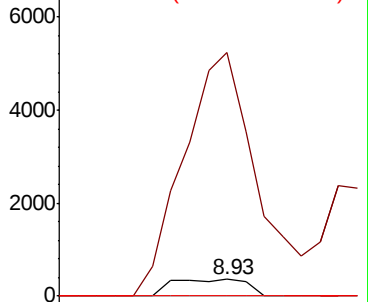
174 0.0 79.3 118.9#



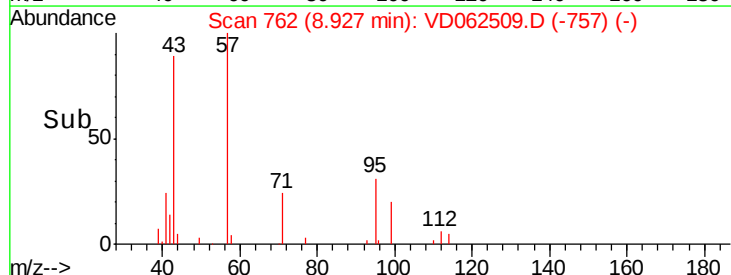
Abundance Ion 92.90 (92.60 to 93.60): VDC

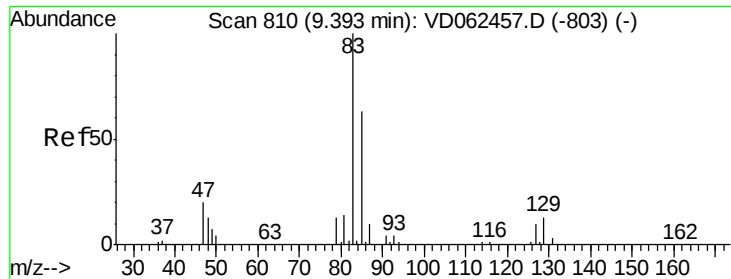
Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V



Time-->





#47

Bromodichloromethane

Concen: 363.601 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD062509.D

Acq: 22 May 2019 18:08

Instrument :

MSVOA_D

ClientSampleId :

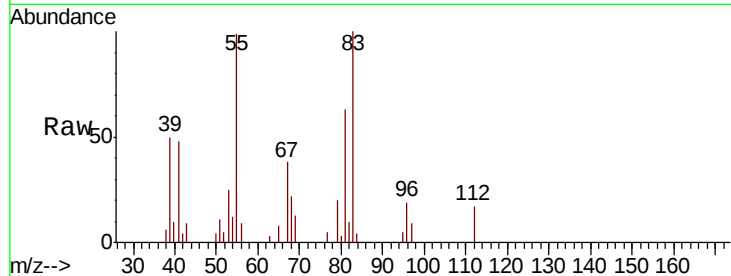
Tot Ion: 83 Resp: 33843

Ion Ratio Lower Upper

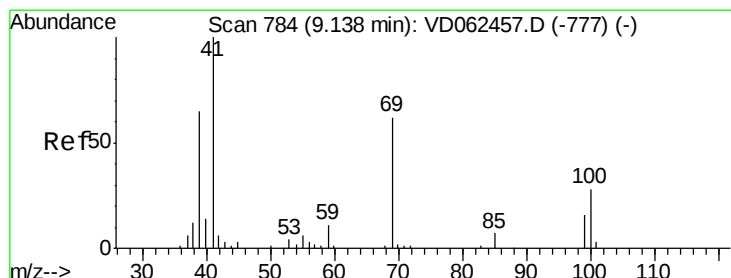
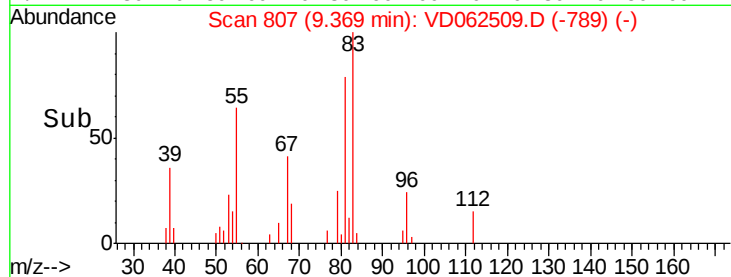
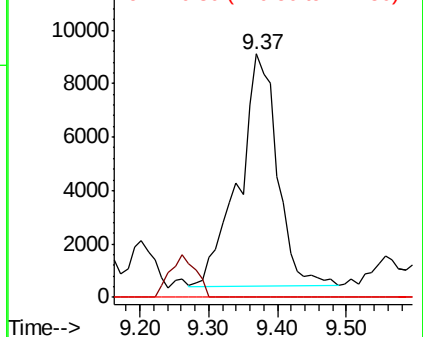
83 100

85 0.0 50.9 76.3#

127 0.0 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: 1338.948 ug/l

RT: 9.13 min Scan# 783

Delta R.T. -0.00 min

Lab File: VD062509.D

Acq: 22 May 2019 18:08

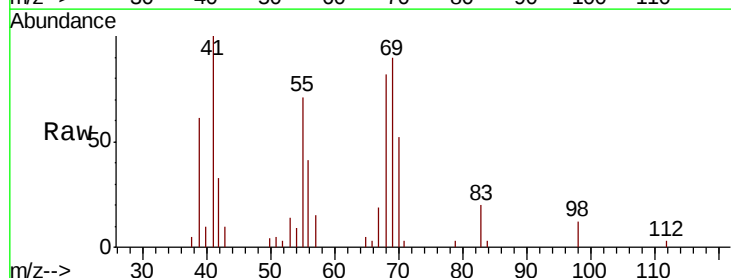
Tgt Ion: 41 Resp: 39211

Ion Ratio Lower Upper

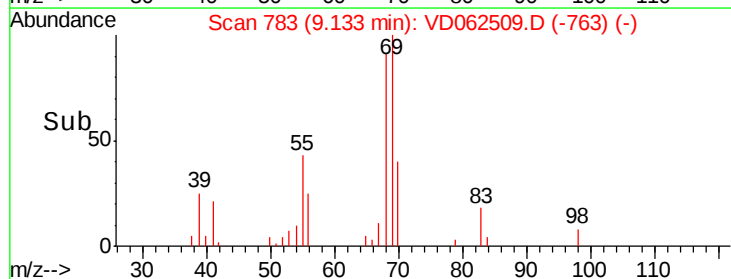
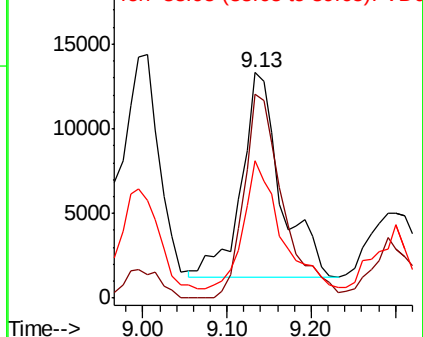
41 100

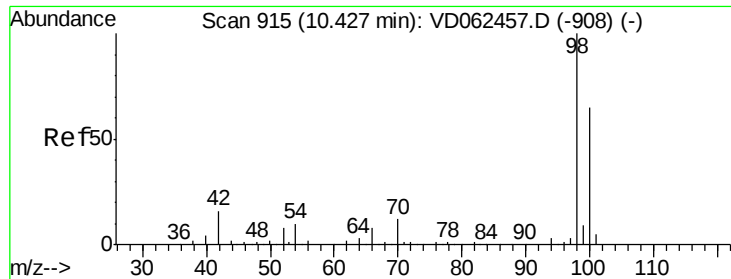
69 90.5 64.2 96.2

39 61.2 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

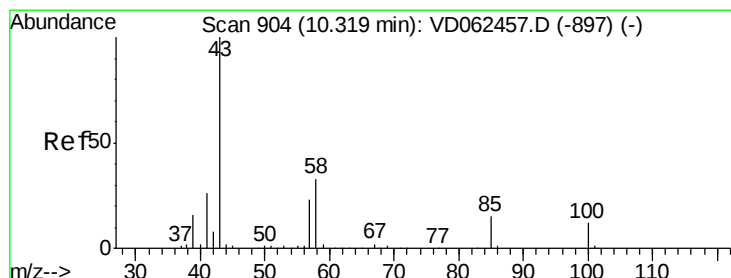
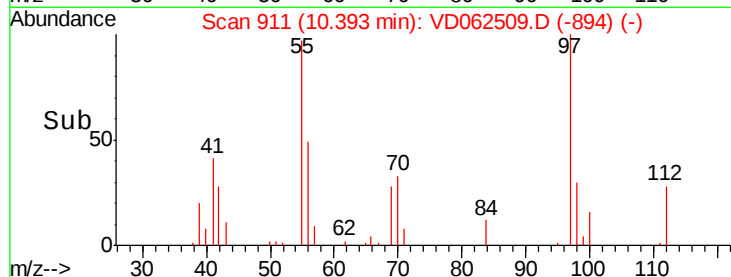
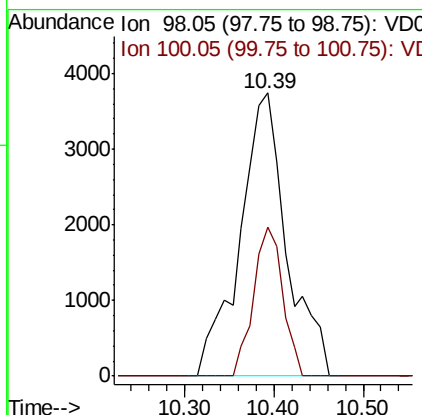
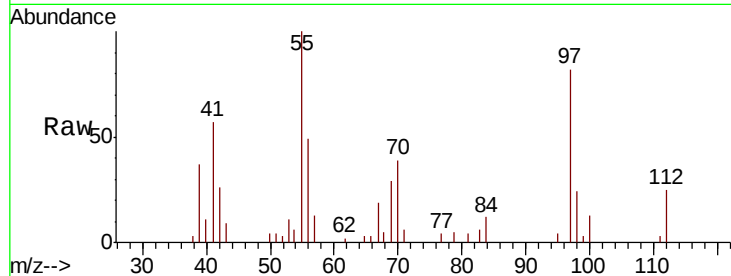




#50
Toluene-d8
Concen: 78.229 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.03 min
Lab File: VD062509.D
Acq: 22 May 2019 18:08

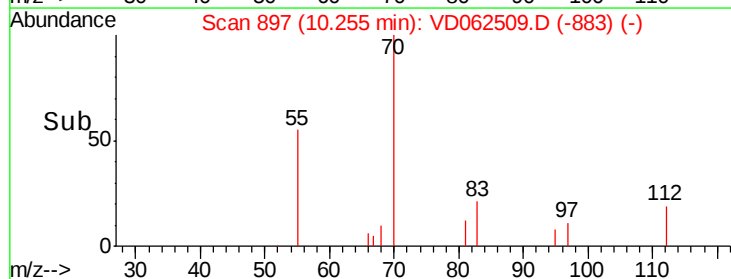
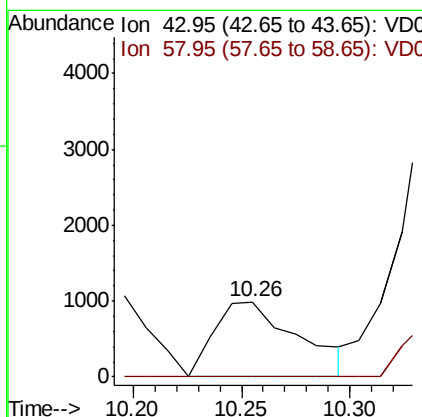
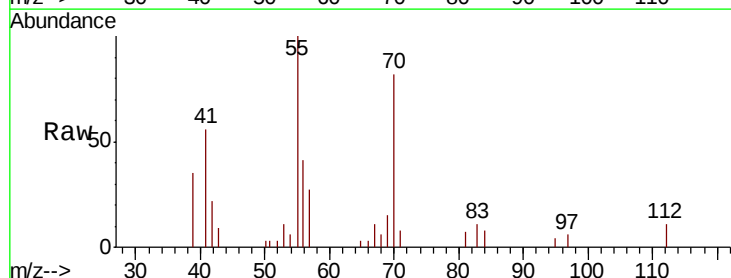
Instrument :
MSVOA_D
ClientSampleId :

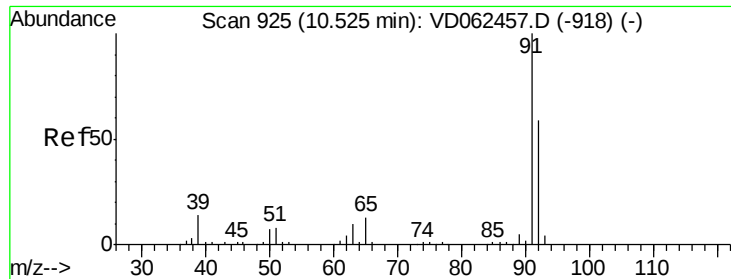
Tot Ion: 98 Resp: 13640
Ion Ratio Lower Upper
98 100
100 52.6 53.8 80.8#



#51
4-Methyl-2-Pentanone
Concen: 92.770 ug/l
RT: 10.26 min Scan# 897
Delta R.T. -0.06 min
Lab File: VD062509.D
Acq: 22 May 2019 18:08

Tgt Ion: 43 Resp: 2667
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#

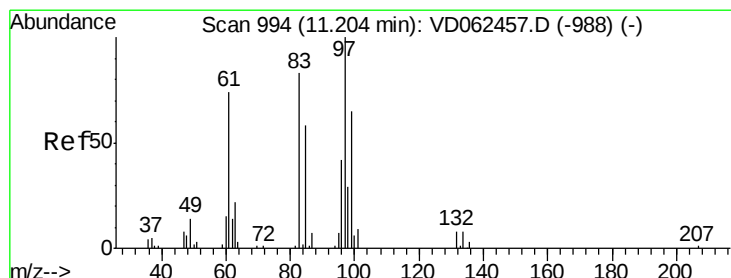
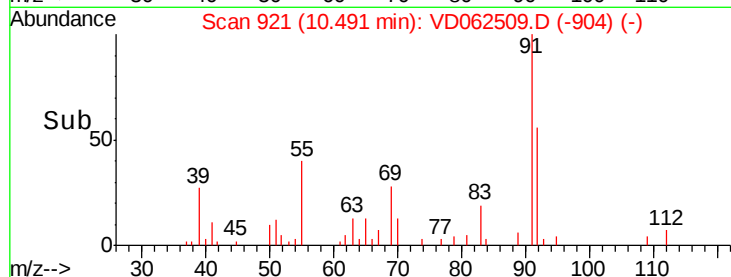
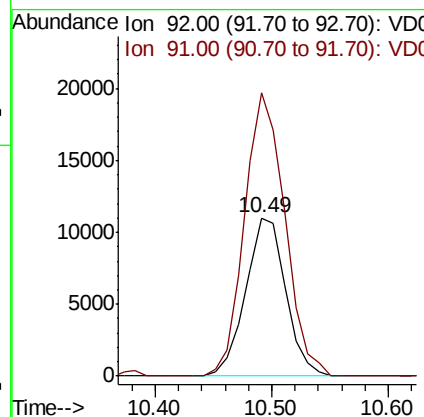
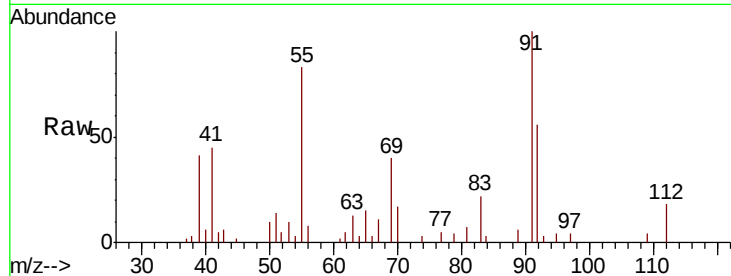




#52
Toluene
Concen: 230.836 ug/l
RT: 10.49 min Scan# 921
Delta R.T. -0.03 min
Lab File: VD062509.D
Acq: 22 May 2019 18:08

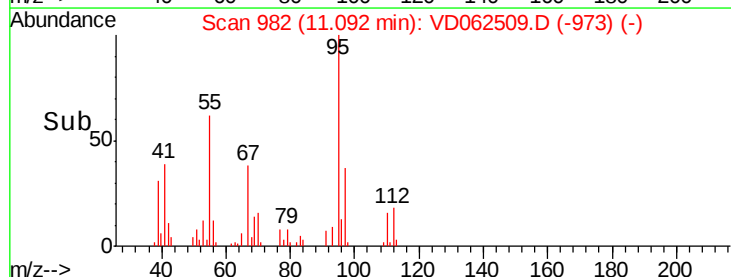
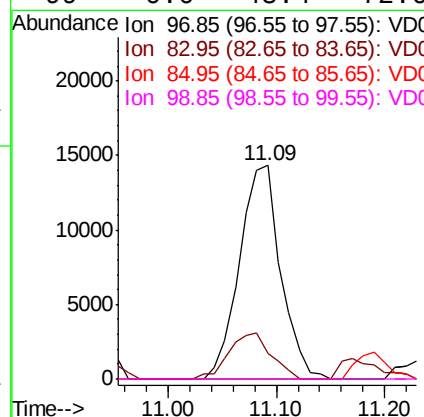
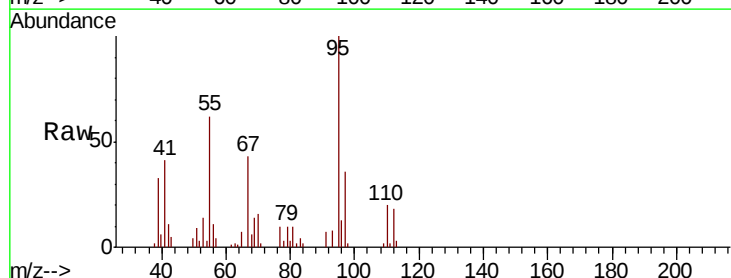
Instrument :
MSVOA_D
ClientSampleId :

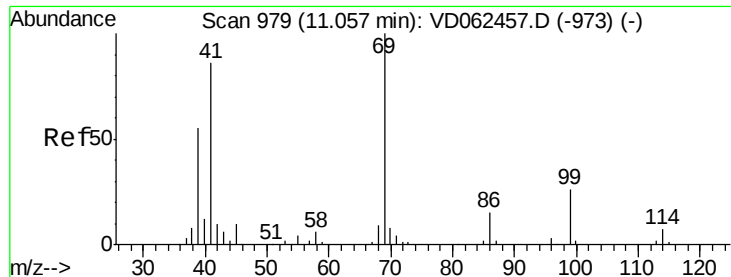
Tot Ion: 92 Resp: 26174
Ion Ratio Lower Upper
92 100
91 178.7 136.6 204.8



#55
1,1,2-Trichloroethane
Concen: 984.537 ug/l
RT: 11.09 min Scan# 982
Delta R.T. -0.11 min
Lab File: VD062509.D
Acq: 22 May 2019 18:08

Tgt Ion: 97 Resp: 37835
Ion Ratio Lower Upper
97 100
83 12.3 65.7 98.5#
85 0.0 45.6 68.4#
99 0.0 48.4 72.6#





#56

Ethyl methacrylate

Concen: 646.026 ug/l

RT: 11.07 min Scan# 980

Delta R.T. 0.02 min

Lab File: VD062509.D

Acq: 22 May 2019 18:08

Instrument :

MSVOA_D

ClientSampled :

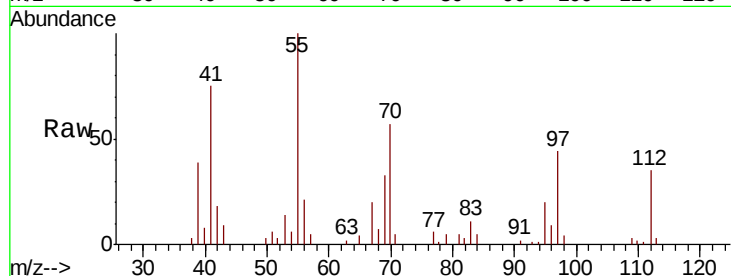
Tot Ion: 69 Resp: 26540

Ion Ratio Lower Upper

69 100

41 224.2 56.3 84.5#

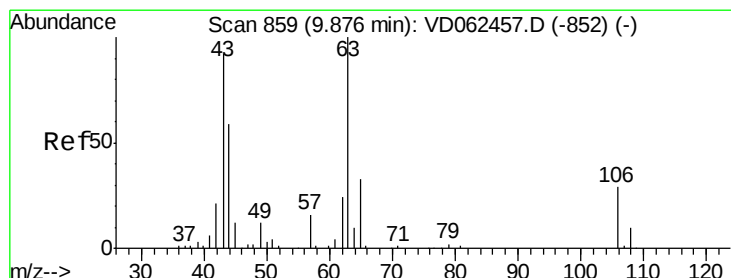
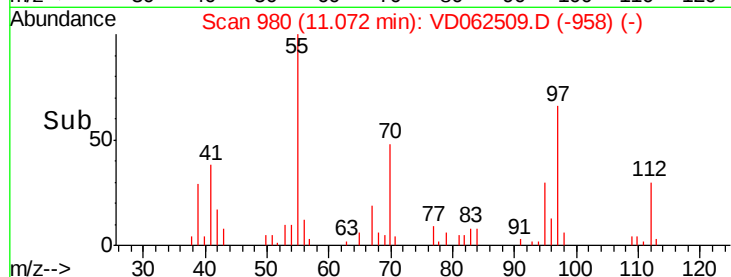
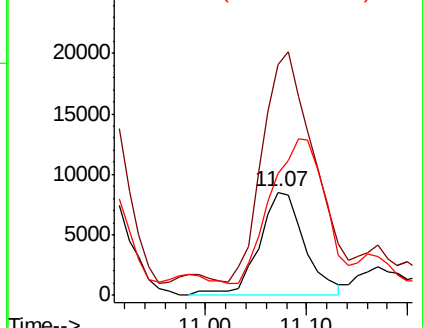
39 117.9 29.4 44.2#



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



#58

2-Chloroethyl Vinyl ether

Concen: 109.029 ug/l

RT: 9.77 min Scan# 848

Delta R.T. -0.10 min

Lab File: VD062509.D

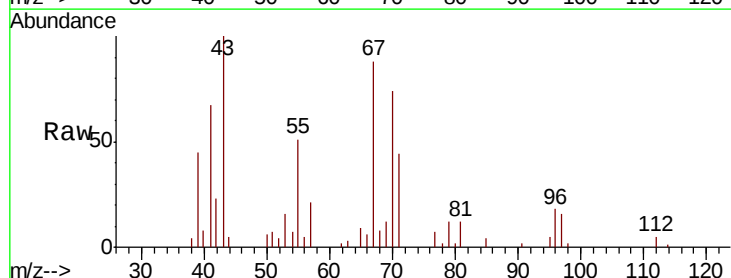
Acq: 22 May 2019 18:08

Tgt Ion: 63 Resp: 2300

Ion Ratio Lower Upper

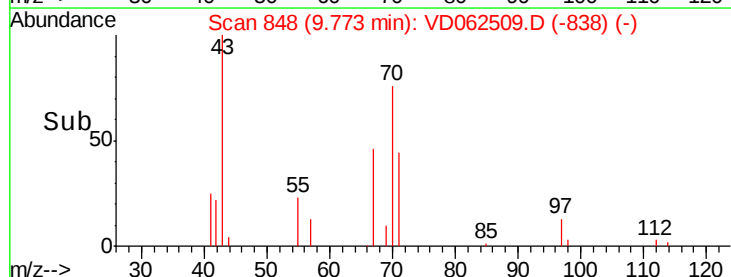
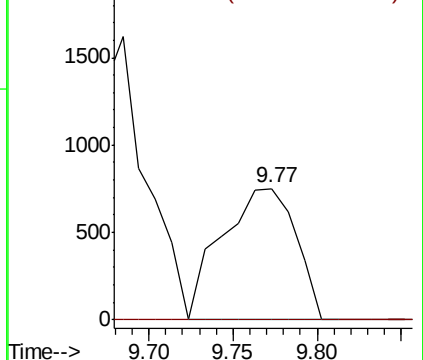
63 100

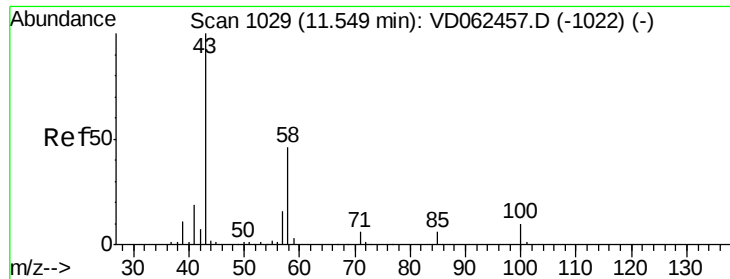
106 0.0 22.6 34.0#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

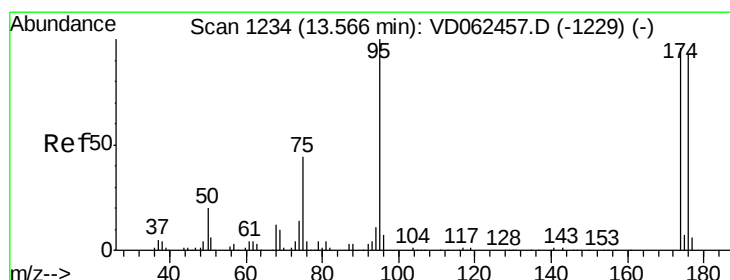
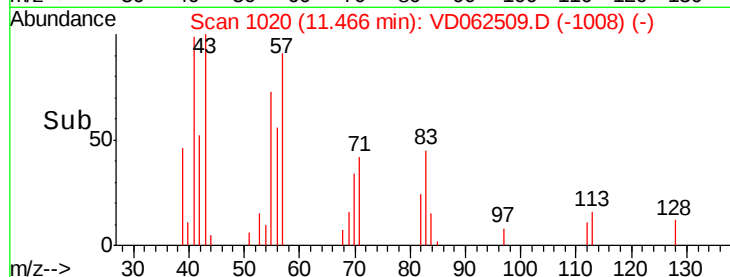
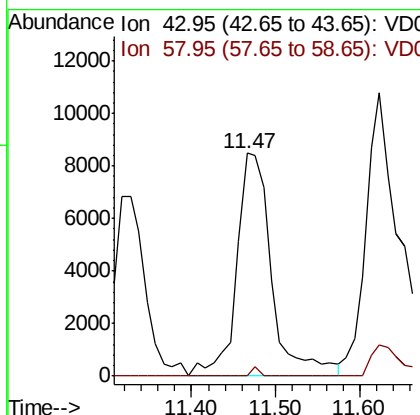
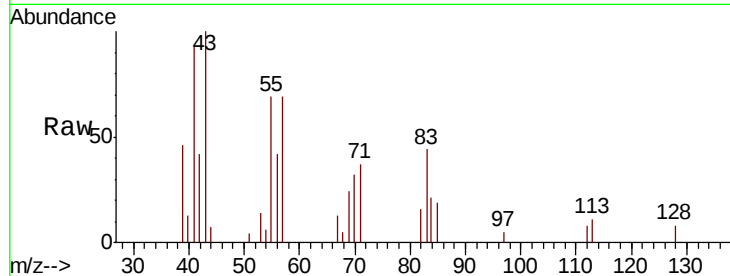




#59
2-Hexanone
Concen: 1184.227 ug/l
RT: 11.47 min Scan# 1020
Delta R.T. -0.08 min
Lab File: VD062509.D
Acq: 22 May 2019 18:08

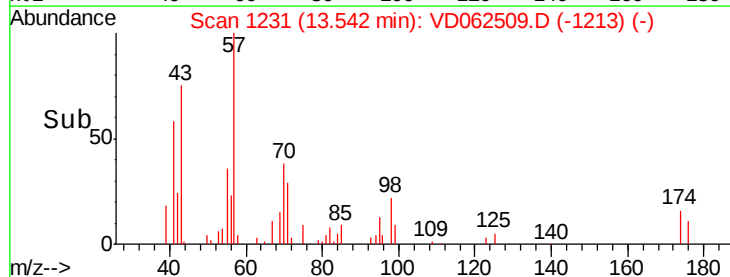
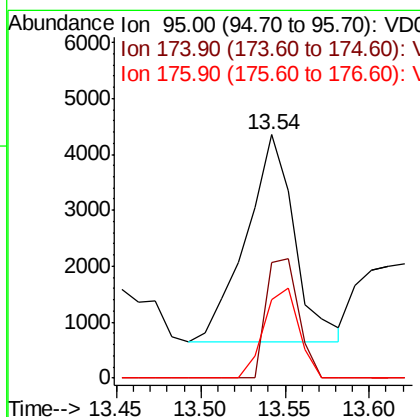
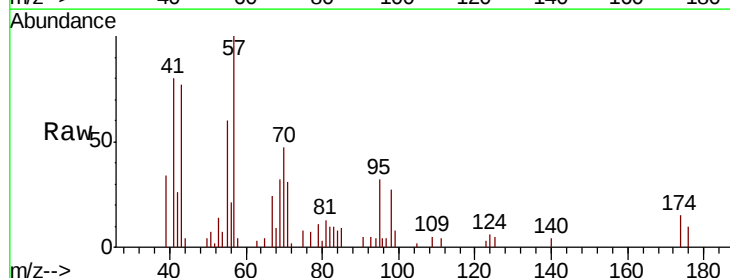
Instrument :
MSVOA_D
ClientSampled :

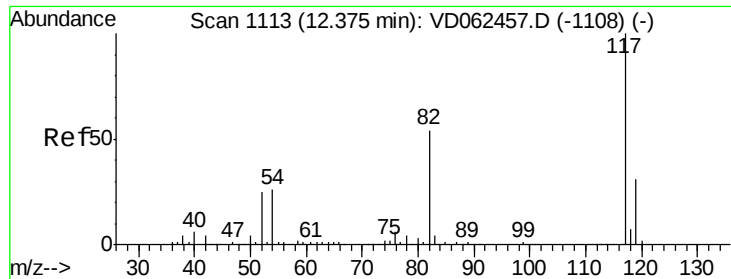
Tot Ion: 43 Resp: 24743
Ion Ratio Lower Upper
43 100
58 0.0 25.4 76.4#



#62
4-Bromofluorobenzene
Concen: 96.602 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD062509.D
Acq: 22 May 2019 18:08

Tgt Ion: 95 Resp: 7368
Ion Ratio Lower Upper
95 100
174 47.5 0.0 181.8
176 32.3 0.0 174.4

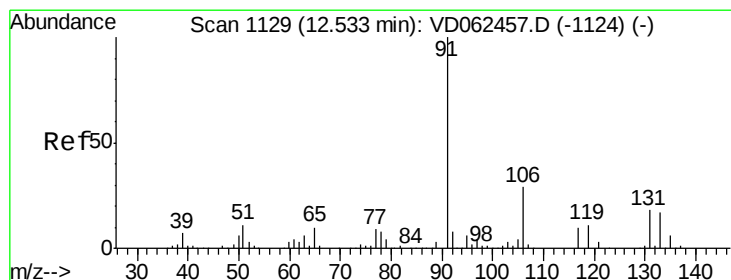
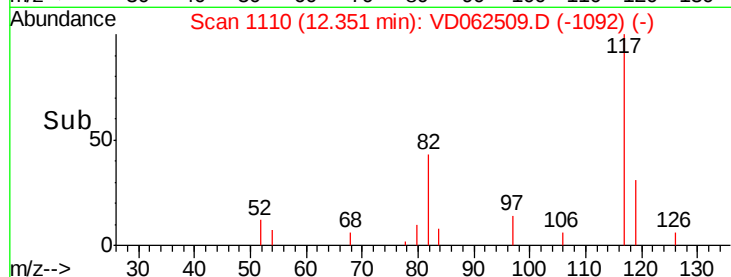
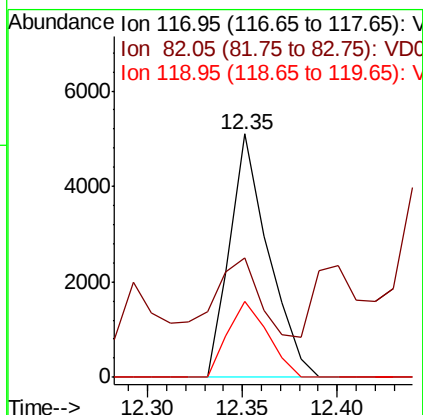
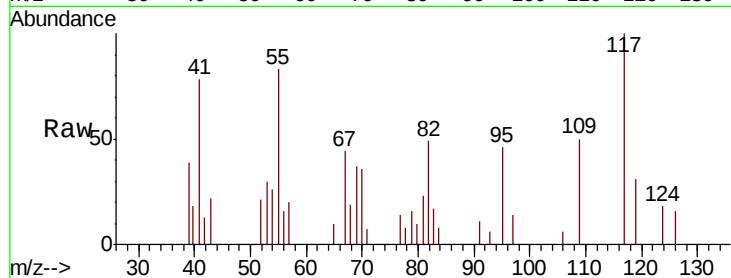




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062509.D
Acq: 22 May 2019 18:08

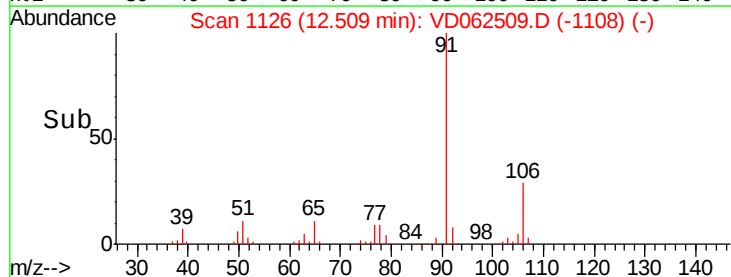
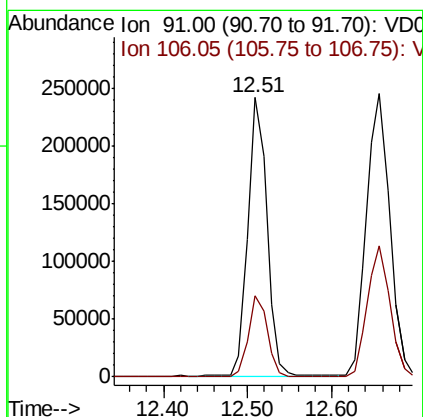
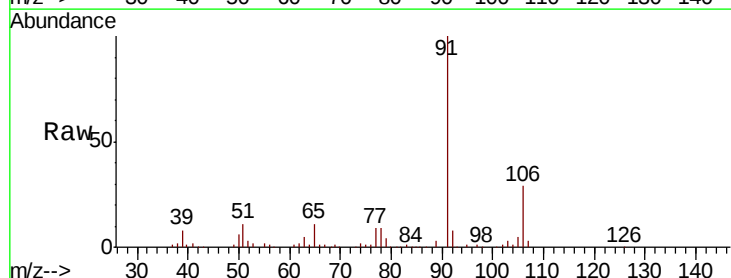
Instrument :
MSVOA_D
ClientSampleId :

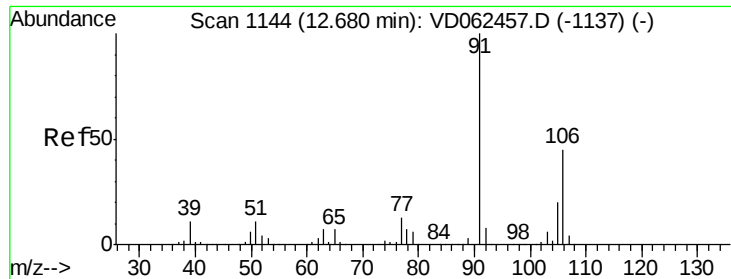
Tot Ion:117 Resp: 7196
Ion Ratio Lower Upper
117 100
82 49.2 36.2 54.2
119 31.4 26.2 39.4



#67
Ethyl Benzene
Concen: 1606.217 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD062509.D
Acq: 22 May 2019 18:08

Tgt Ion: 91 Resp: 382849
Ion Ratio Lower Upper
91 100
106 29.3 24.7 37.1

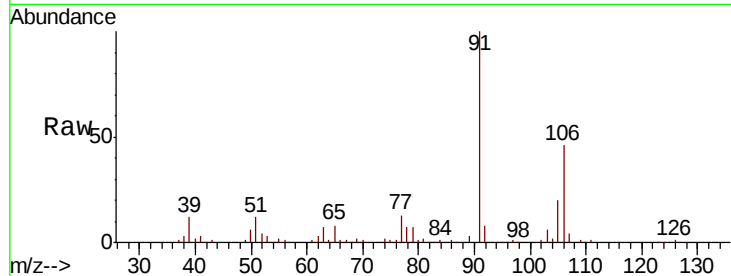




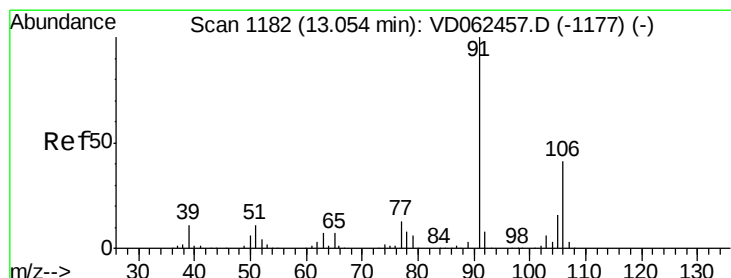
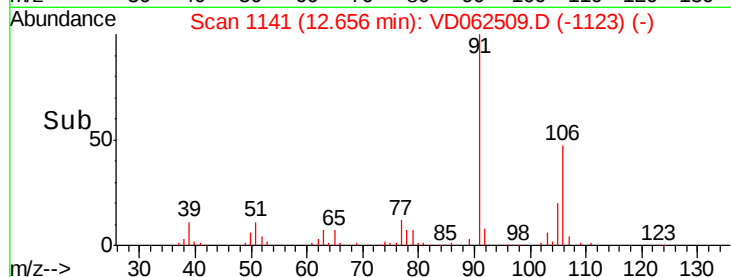
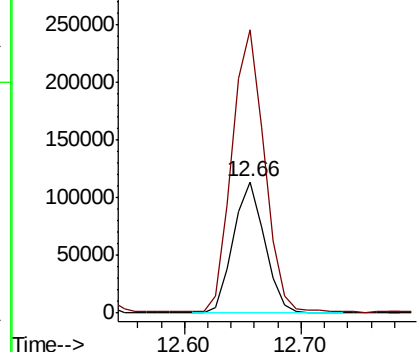
#68
m/p-Xylenes
Concen: 2499.079 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.02 min
Lab File: VD062509.D
Acq: 22 May 2019 18:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 213821
Ion Ratio Lower Upper
106 100
91 215.3 164.0 246.0

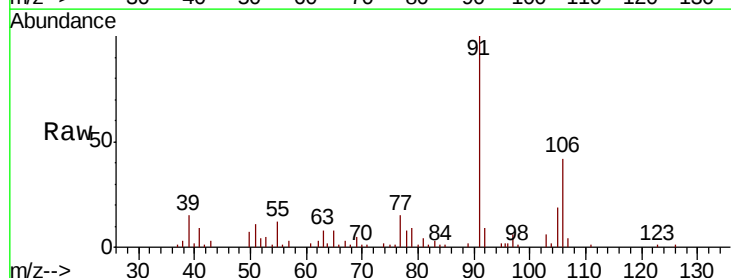


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

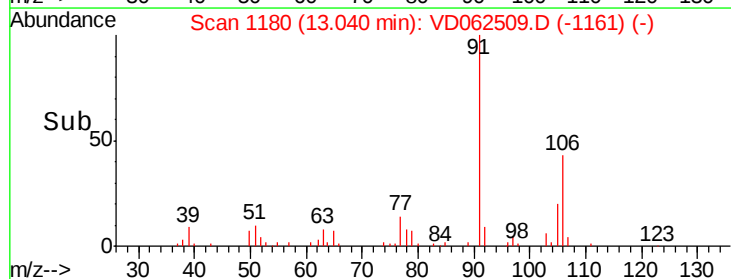
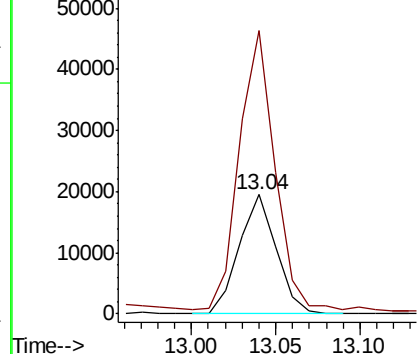


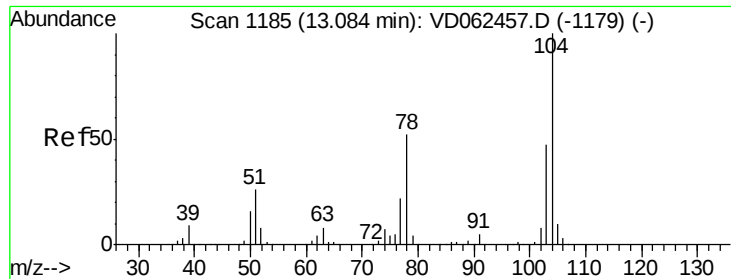
#69
o-Xylene
Concen: 367.753 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD062509.D
Acq: 22 May 2019 18:08

Tgt Ion:106 Resp: 29688
Ion Ratio Lower Upper
106 100
91 237.1 106.7 319.9



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

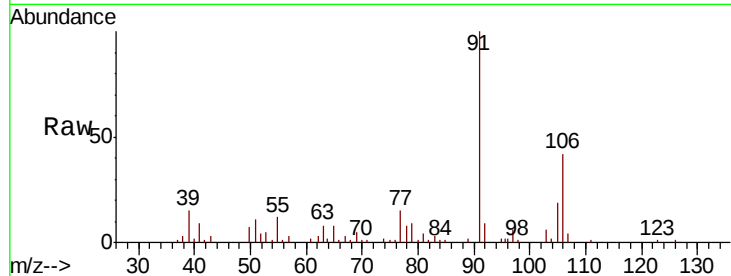




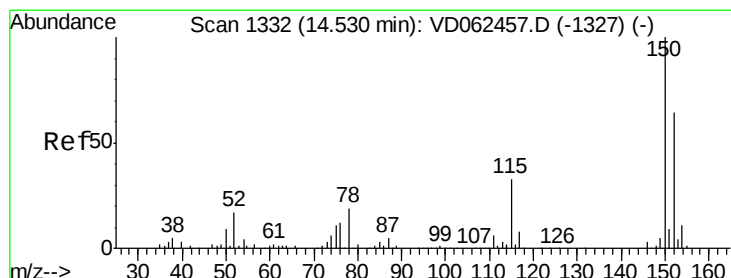
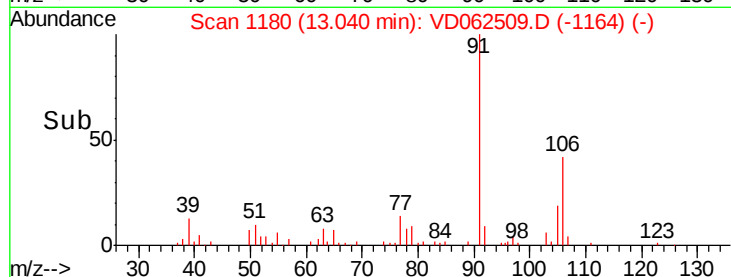
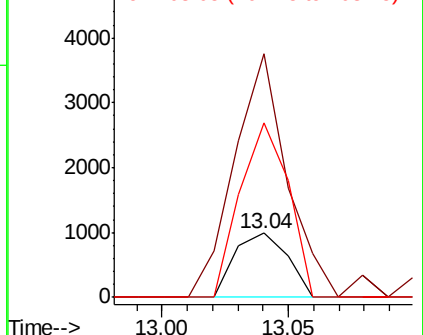
#70
Stvrene
Concen: 10.384 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.04 min
Lab File: VD062509.D
Acq: 22 May 2019 18:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:104 Resp: 1426
Ion Ratio Lower Upper
104 100
78 379.2 35.4 53.2#
103 272.2 37.5 56.3#

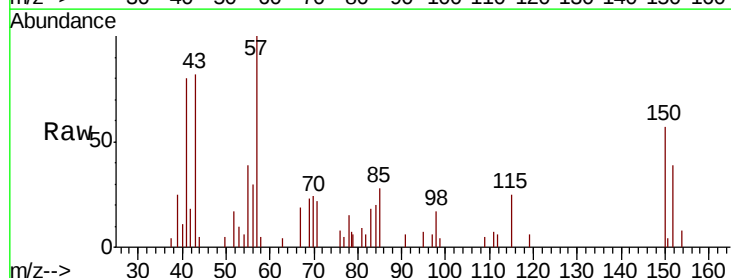


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

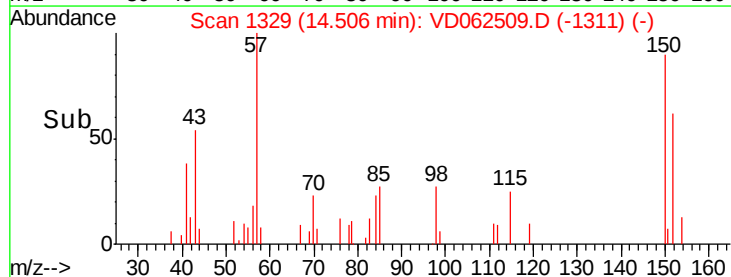
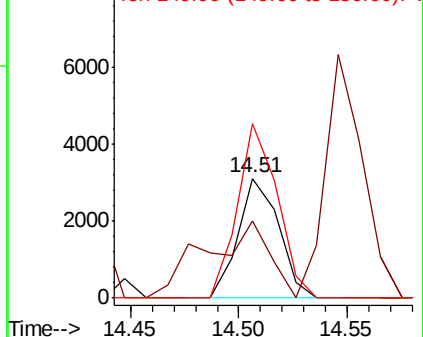


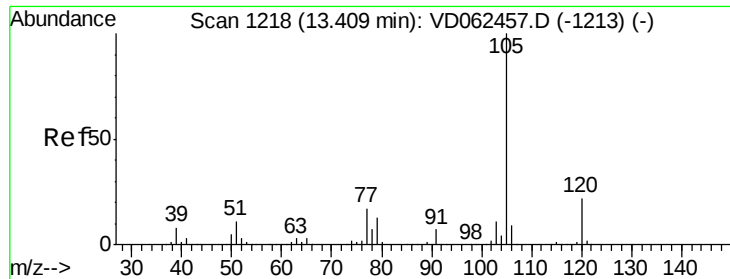
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.02 min
Lab File: VD062509.D
Acq: 22 May 2019 18:08

Tgt Ion:152 Resp: 4047
Ion Ratio Lower Upper
152 100
115 64.6 30.9 92.7
150 145.5 0.0 314.8



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





#73

Isopropylbenzene

Concen: 2493.311 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062509.D

Acq: 22 May 2019 18:08

Instrument :

MSVOA_D

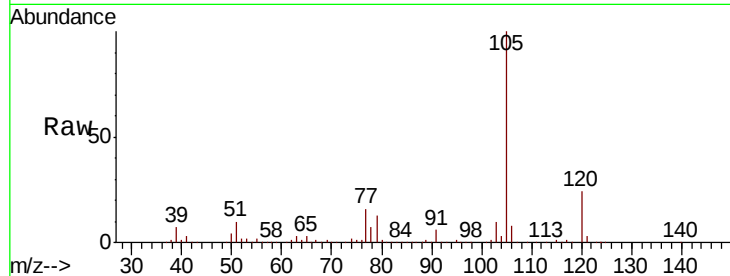
ClientSampleId :

Tot Ion:105 Resp: 636038

Ion Ratio Lower Upper

105 100

120 24.4 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.39

500000

400000

300000

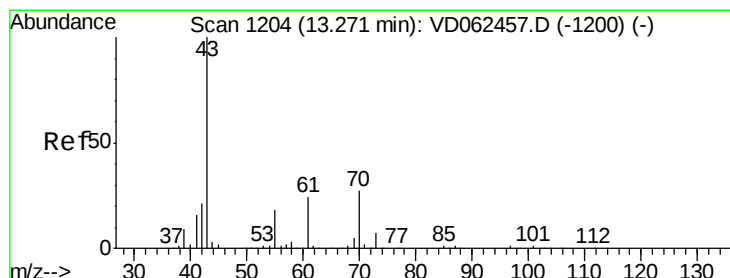
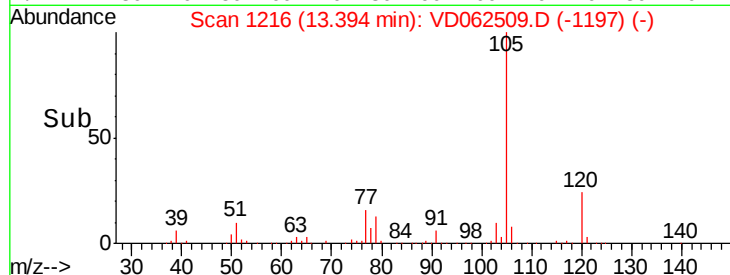
200000

100000

0

Time-->

13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 128.355 ug/l

RT: 13.30 min Scan# 1206

Delta R.T. 0.03 min

Lab File: VD062509.D

Acq: 22 May 2019 18:08

Tgt Ion: 43 Resp: 8087

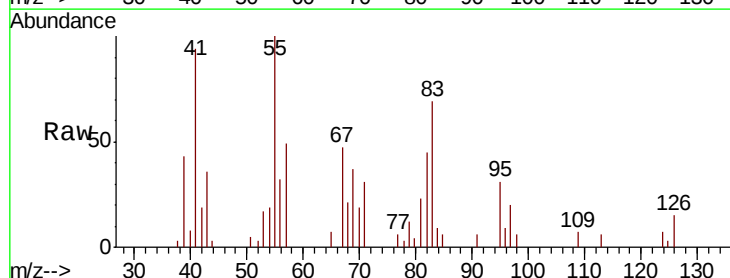
Ion Ratio Lower Upper

43 100

70 52.5 24.2 36.4#

55 275.7 16.0 24.0#

61 0.0 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

15000

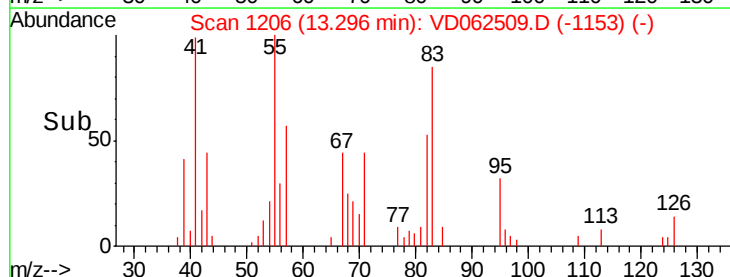
10000

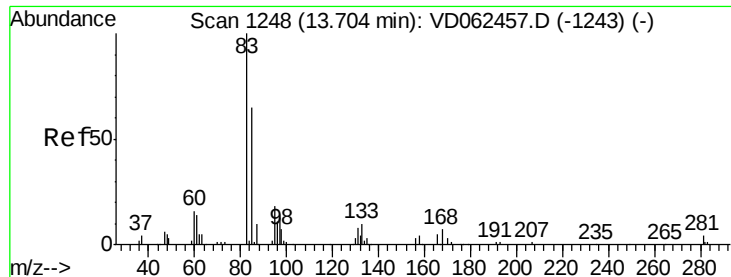
5000

0

Time-->

13.25 13.30 13.35





#75

1,1,2,2-Tetrachloroethane

Concen: 31.985 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062509.D

Acq: 22 May 2019 18:08

Instrument :

MSVOA_D

ClientSampleId :

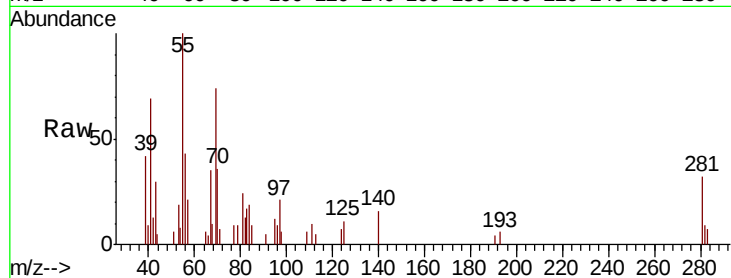
Tot Ion: 83 Resp: 1472

Ion Ratio Lower Upper

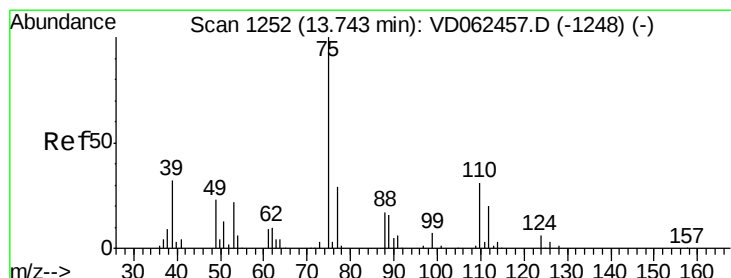
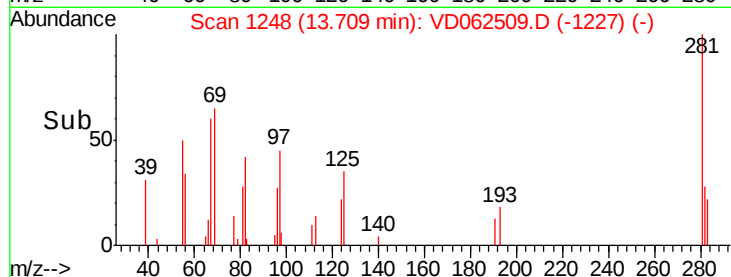
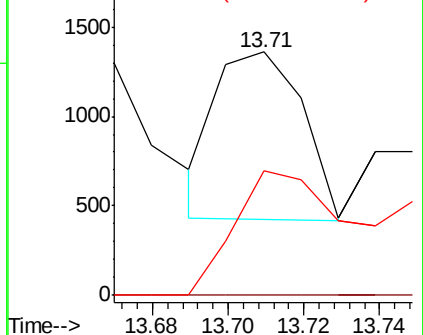
83 100

131 0.0 5.0 14.9#

85 51.2 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: 116.596 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. 0.02 min

Lab File: VD062509.D

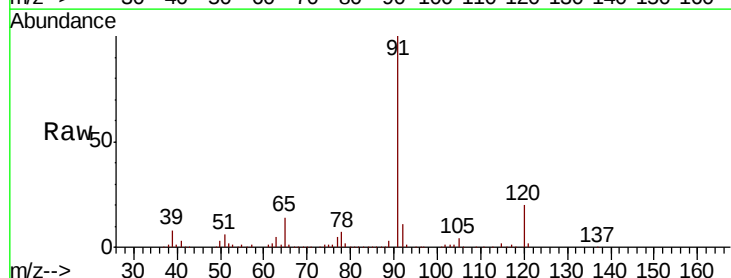
Acq: 22 May 2019 18:08

Tgt Ion: 75 Resp: 5558

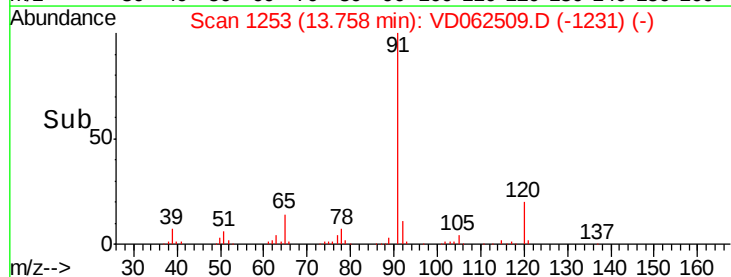
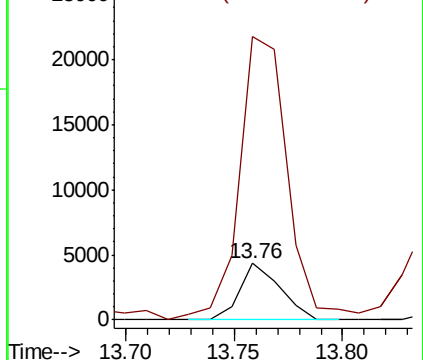
Ion Ratio Lower Upper

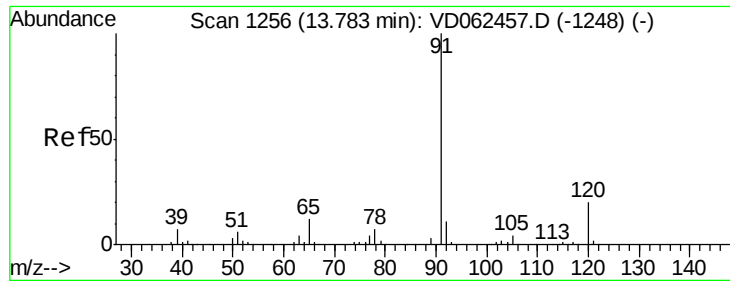
75 100

77 500.9 16.4 49.4#



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





#78

n-propylbenzene

Concen: 2457.364 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD062509.D

Acq: 22 May 2019 18:08

Instrument :

MSVOA_D

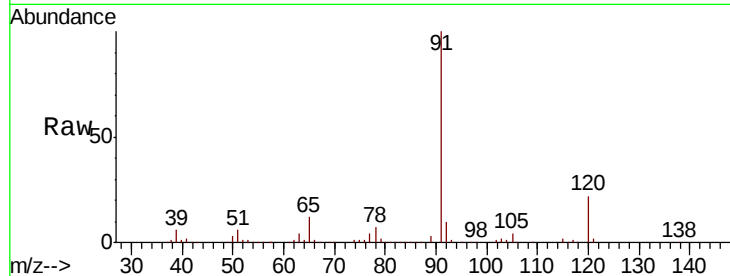
ClientSampleId :

Tot Ion: 91 Resp: 726122

Ion Ratio Lower Upper

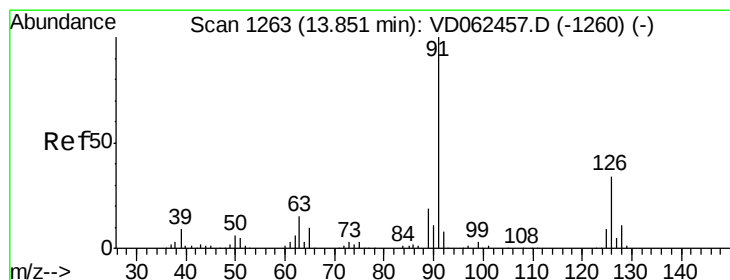
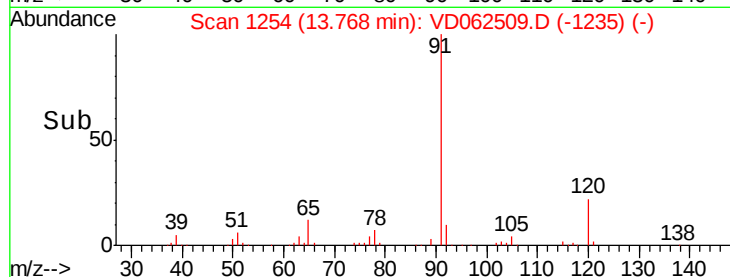
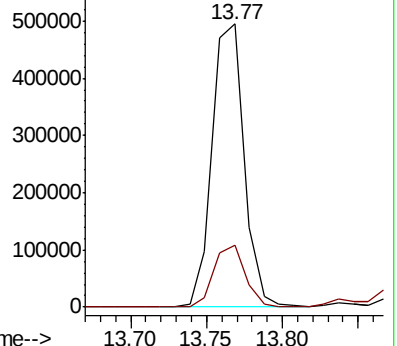
91 100

120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#79

2-Chlorotoluene

Concen: 150.496 ug/l

RT: 13.87 min Scan# 1264

Delta R.T. 0.02 min

Lab File: VD062509.D

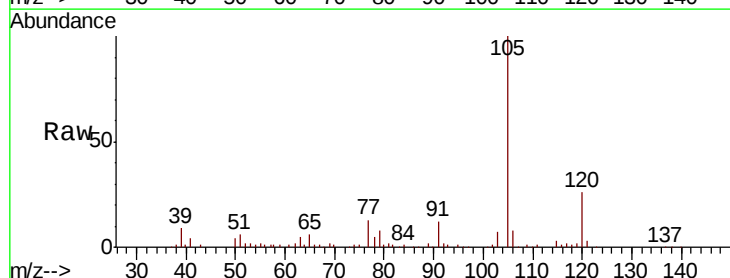
Acq: 22 May 2019 18:08

Tgt Ion: 91 Resp: 26987

Ion Ratio Lower Upper

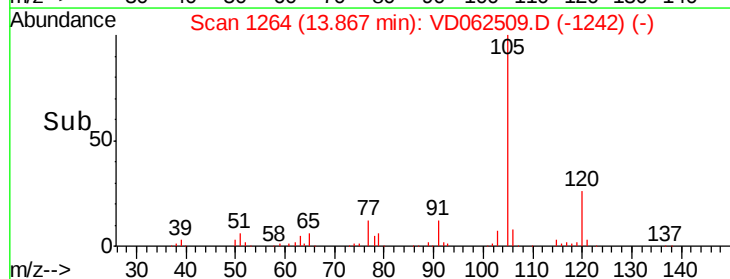
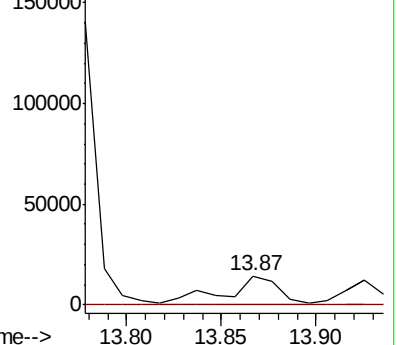
91 100

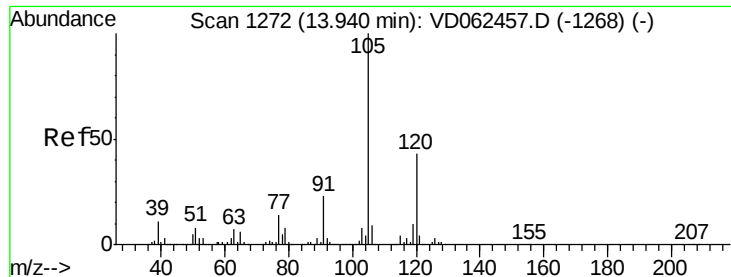
126 0.0 18.6 55.8#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V



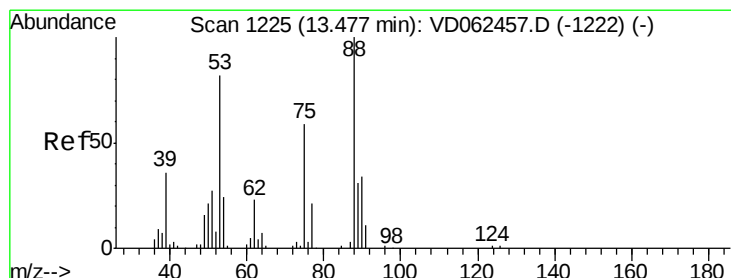
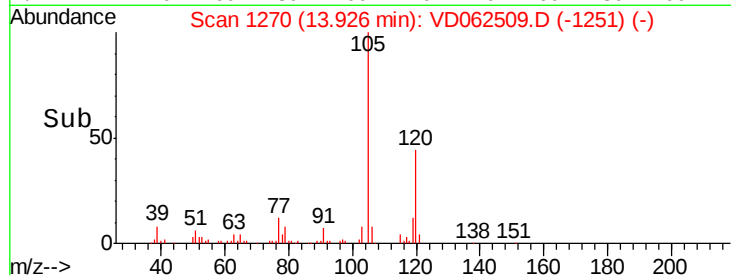
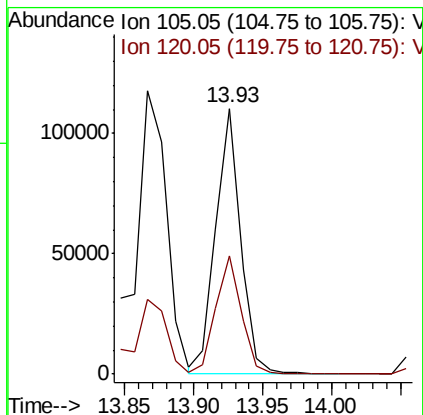
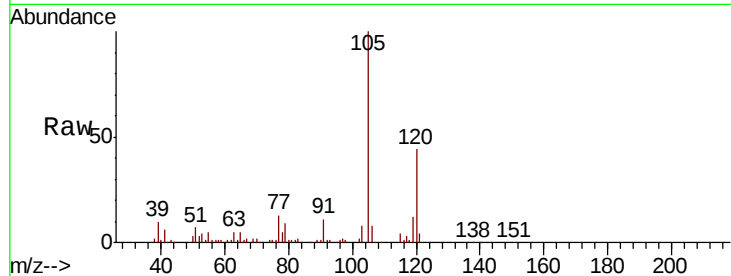


#80

1,3,5-Trimethylbenzene
Concen: 626.749 ug/l
RT: 13.93 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VD062509.D
Acq: 22 May 2019 18:08

Instrument :
MSVOA_D
ClientSampled :

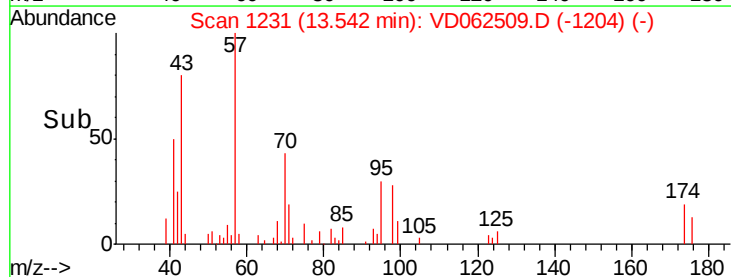
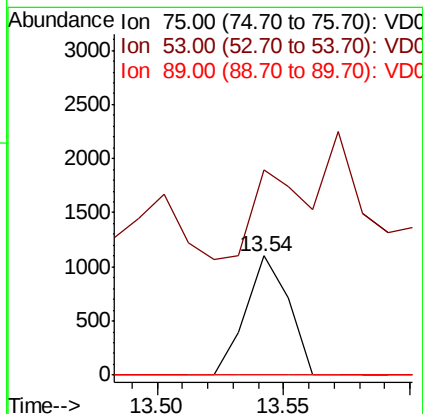
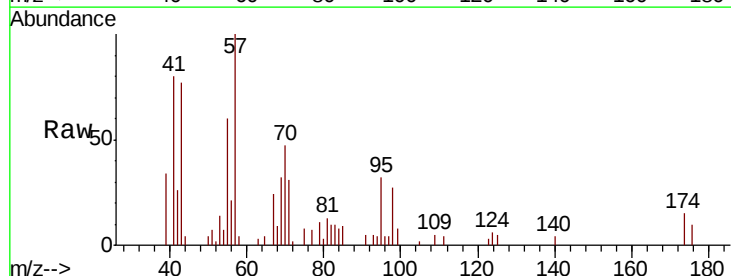
Tot Ion:105 Resp: 138434
Ion Ratio Lower Upper
105 100
120 44.4 24.0 72.0

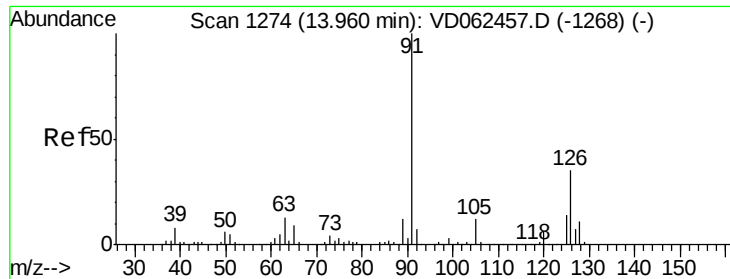


#81

trans-1,4-Dichloro-2-butene
Concen: 97.219 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.06 min
Lab File: VD062509.D
Acq: 22 May 2019 18:08

Tgt Ion: 75 Resp: 1307
Ion Ratio Lower Upper
75 100
53 171.5 65.8 98.8#
89 0.0 35.0 52.6#

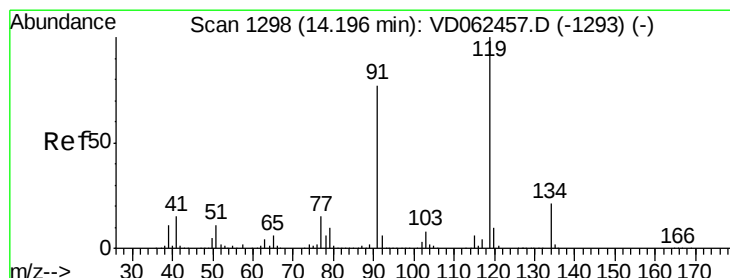
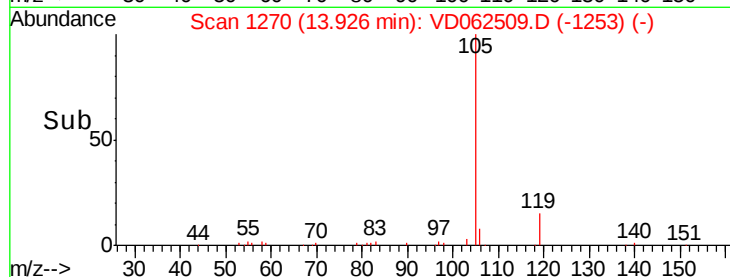
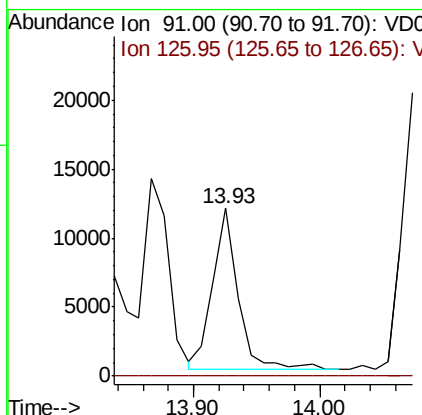
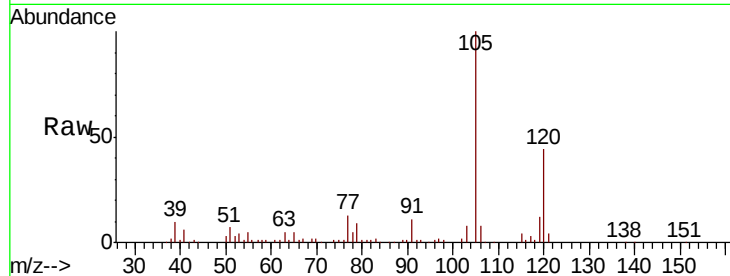




#82
4-Chlorotoluene
Concen: 80.072 ug/l
RT: 13.93 min Scan# 1270
Delta R.T. -0.03 min
Lab File: VD062509.D
Acq: 22 May 2019 18:08

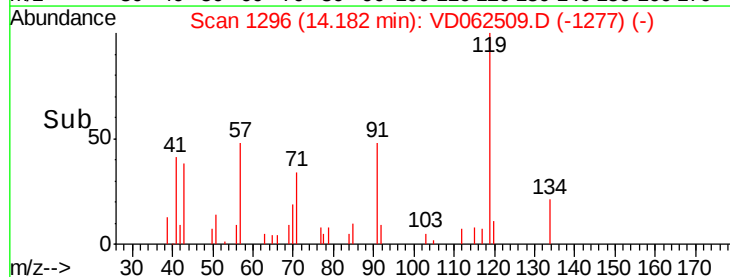
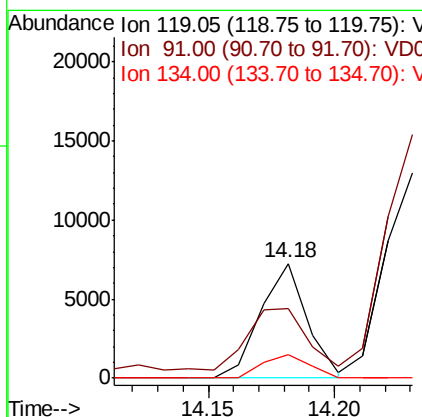
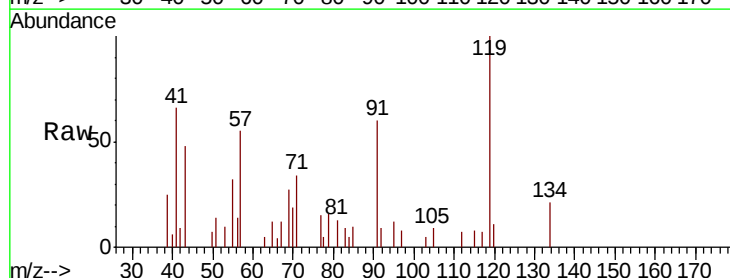
Instrument :
MSVOA_D
ClientSampled :

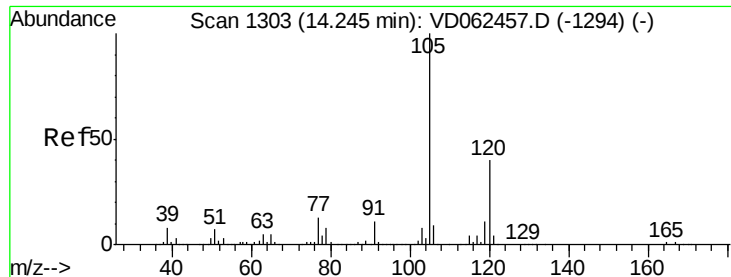
Tot Ion: 91 Resp: 16536
Ion Ratio Lower Upper
91 100
126 0.0 19.1 57.5#



#83
tert-Butylbenzene
Concen: 38.093 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD062509.D
Acq: 22 May 2019 18:08

Tgt Ion: 119 Resp: 9333
Ion Ratio Lower Upper
119 100
91 60.3 34.2 102.6
134 20.6 12.0 36.0

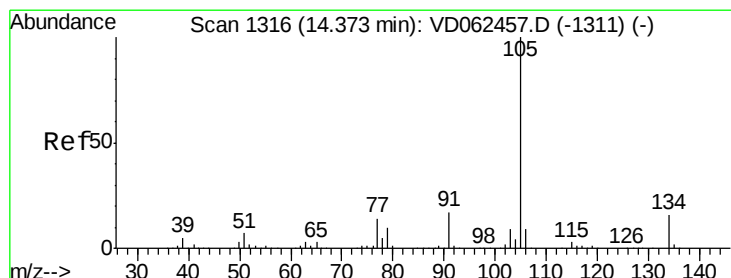
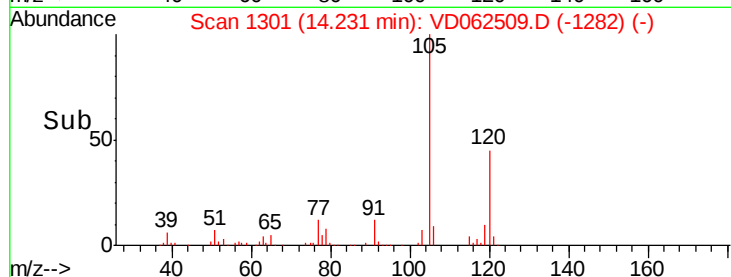
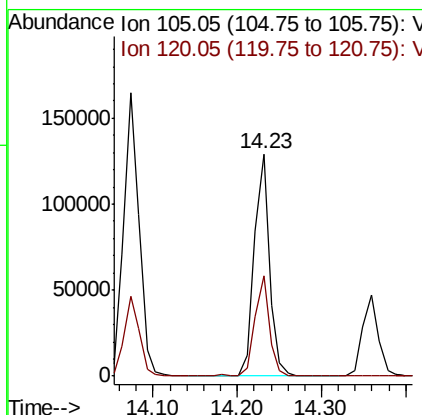
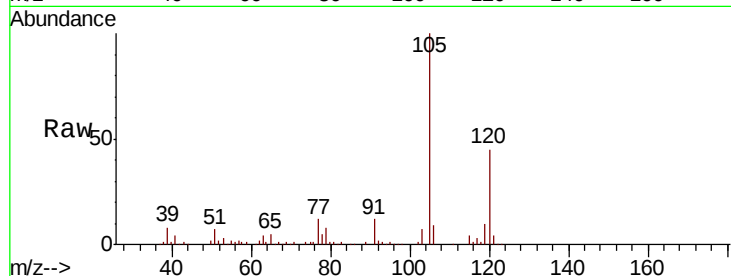




#84
 1,2,4-Trimethylbenzene
 Concen: 735.521 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD062509.D
 Acq: 22 May 2019 18:08

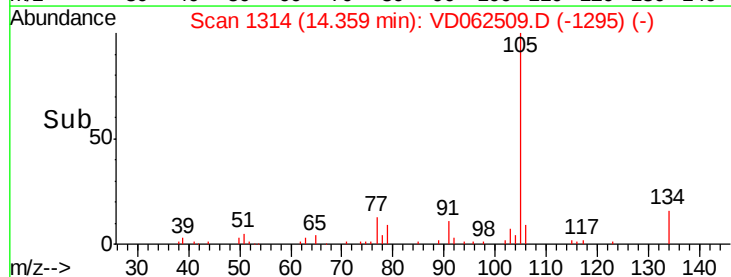
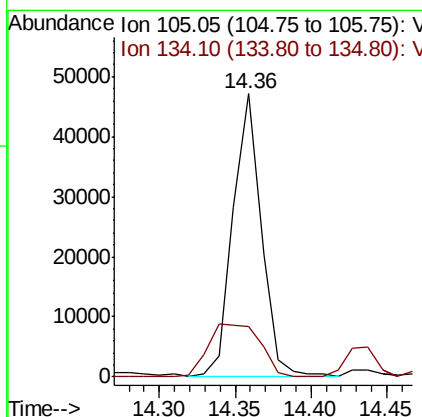
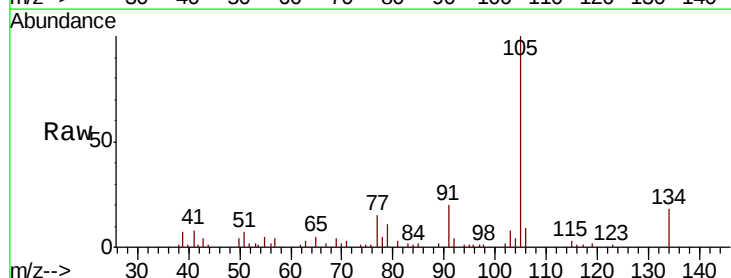
Instrument :
 MSVOA_D
 ClientSampleId :

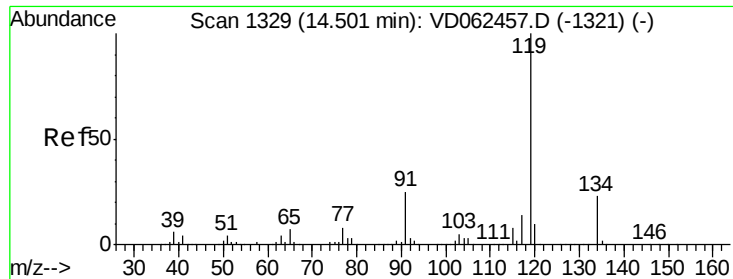
Tot Ion:105 Resp: 166468
 Ion Ratio Lower Upper
 105 100
 120 45.1 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 241.626 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062509.D
 Acq: 22 May 2019 18:08

Tgt Ion:105 Resp: 61728
 Ion Ratio Lower Upper
 105 100
 134 17.9 8.9 26.7

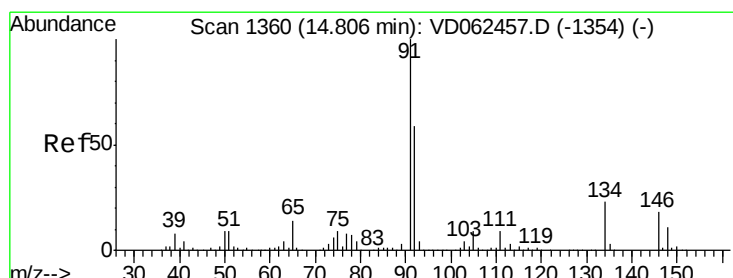
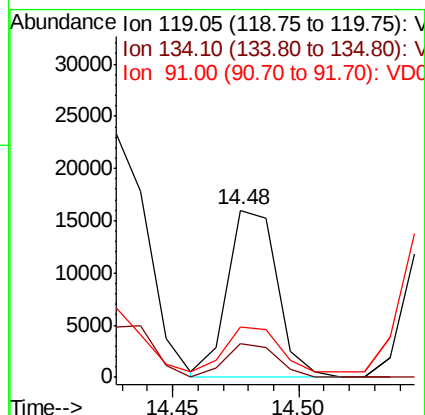
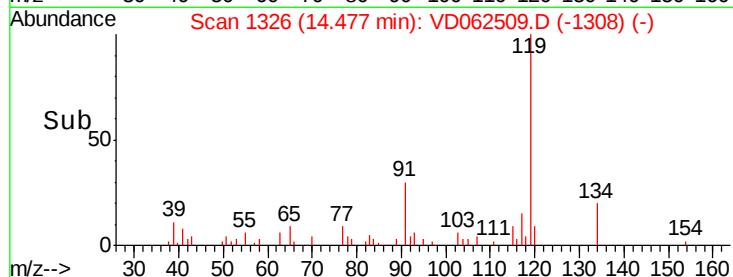
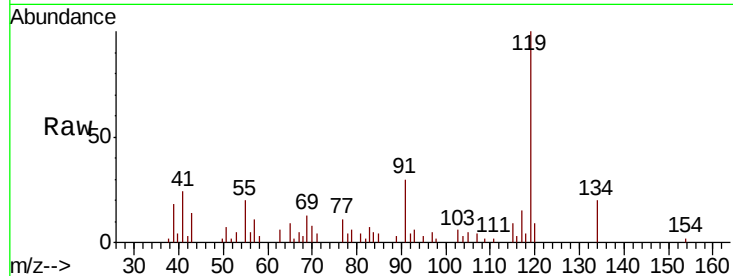




#86
p-Isopropyltoluene
Concen: 94.552 ug/l
RT: 14.48 min Scan# 1326
Delta R.T. -0.02 min
Lab File: VD062509.D
Acq: 22 May 2019 18:08

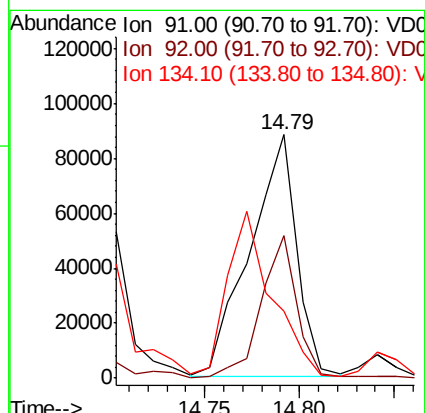
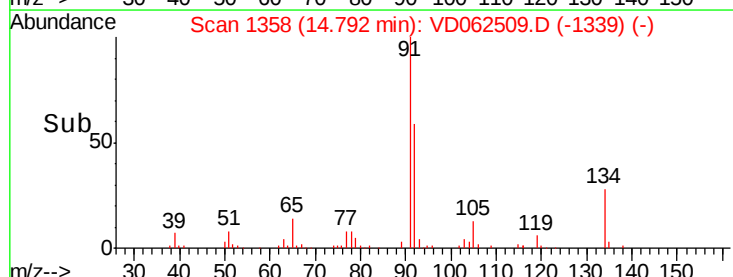
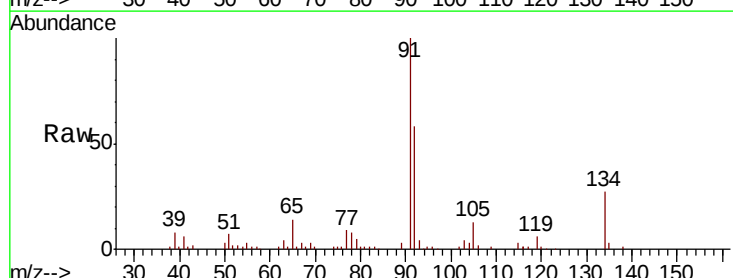
Instrument :
MSVOA_D
ClientSampleId :

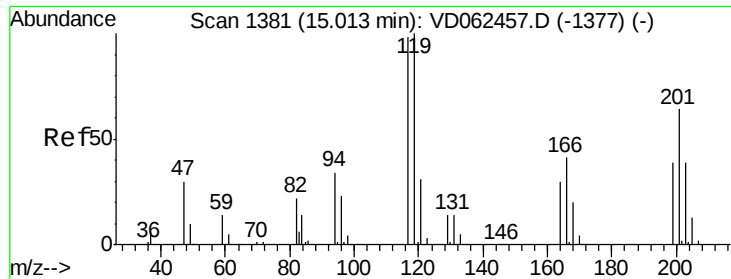
Tot Ion:119 Resp: 21890
Ion Ratio Lower Upper
119 100
134 19.8 12.8 38.3
91 30.0 10.7 32.1



#89
n-Butylbenzene
Concen: 680.827 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VD062509.D
Acq: 22 May 2019 18:08

Tgt Ion: 91 Resp: 152117
Ion Ratio Lower Upper
91 100
92 58.4 30.3 91.0
134 27.5 14.5 43.6





#90

Hexachloroethane

Concen: 866.205 ug/l

RT: 15.05 min Scan# 1384

Delta R.T. 0.04 min

Lab File: VD062509.D

Acq: 22 May 2019 18:08

Instrument :

MSVOA_D

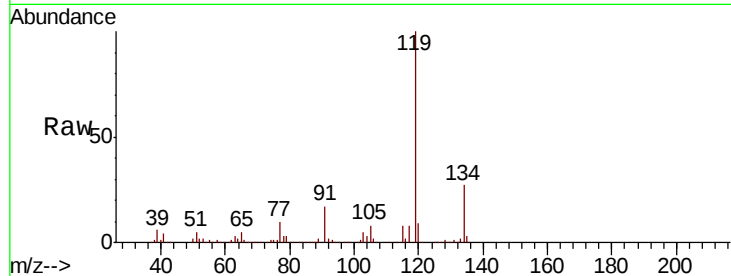
ClientSampled :

Tot Ion:117 Resp: 55422

Ion Ratio Lower Upper

117 100

201 0.0 30.2 90.6#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

15.05

50000

40000

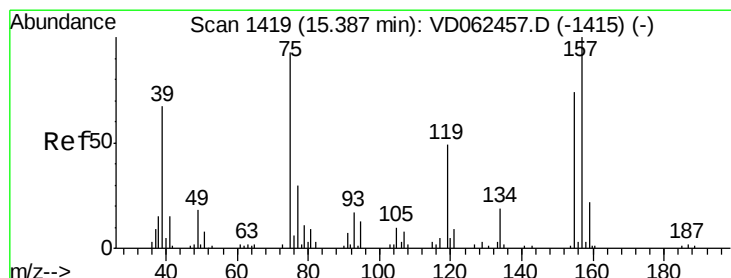
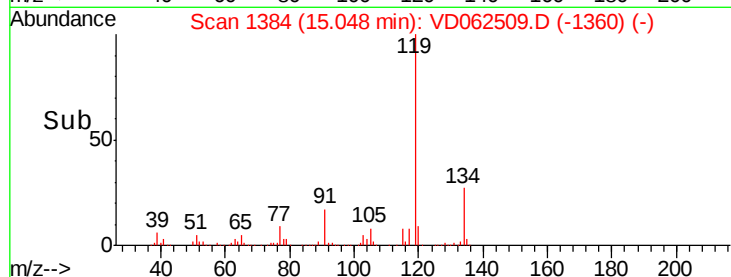
30000

20000

10000

0

Time--> 15.00 15.05



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.094 ug/l

RT: 15.42 min Scan# 1422

Delta R.T. 0.04 min

Lab File: VD062509.D

Acq: 22 May 2019 18:08

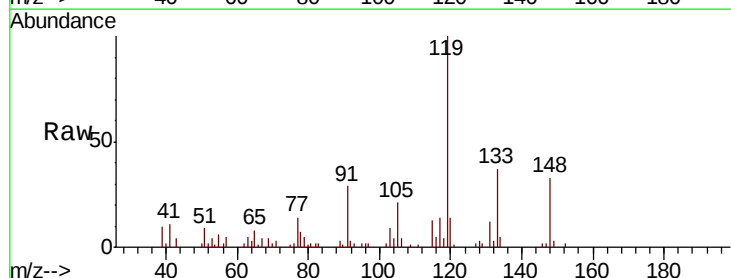
Tgt Ion: 75 Resp: 193

Ion Ratio Lower Upper

75 100

155 0.0 55.3 165.8#

157 0.0 67.8 203.2#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

400

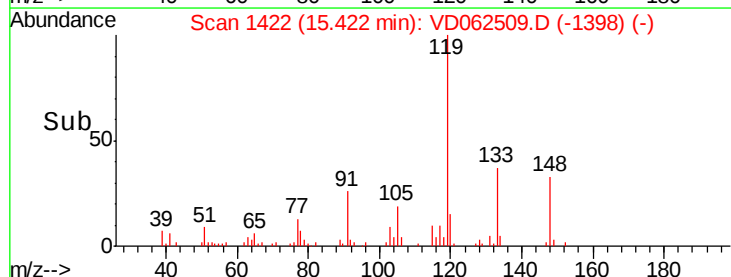
300

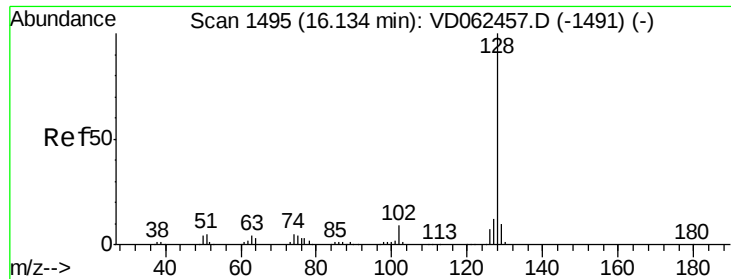
200

100

0

Time--> 15.40 15.42 15.44





#95
 Naphthalene
 Concen: 516.767 ug/l
 RT: 16.11 min Scan# 1492
 Delta R.T. -0.02 min
 Lab File: VD062509.D
 Acq: 22 May 2019 18:08

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	9.8	14.8
129	10.7	8.8	13.2

