

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041720\
 Data File : VD065642.D
 Acq On : 17 Apr 2020 13:53
 Operator : VA/SY
 Sample : VD0417SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 20 06:59:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 19:43:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	229851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	353368	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	338011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	169680	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	111155	56.85	ug/l	0.00
Spiked Amount			Recovery	=	113.70%	
35) Dibromofluoromethane	7.91	113	116696	53.06	ug/l	0.00
Spiked Amount			Recovery	=	106.12%	
50) Toluene-d8	10.34	98	423901	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	
62) 4-Bromofluorobenzene	12.64	95	141454	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	

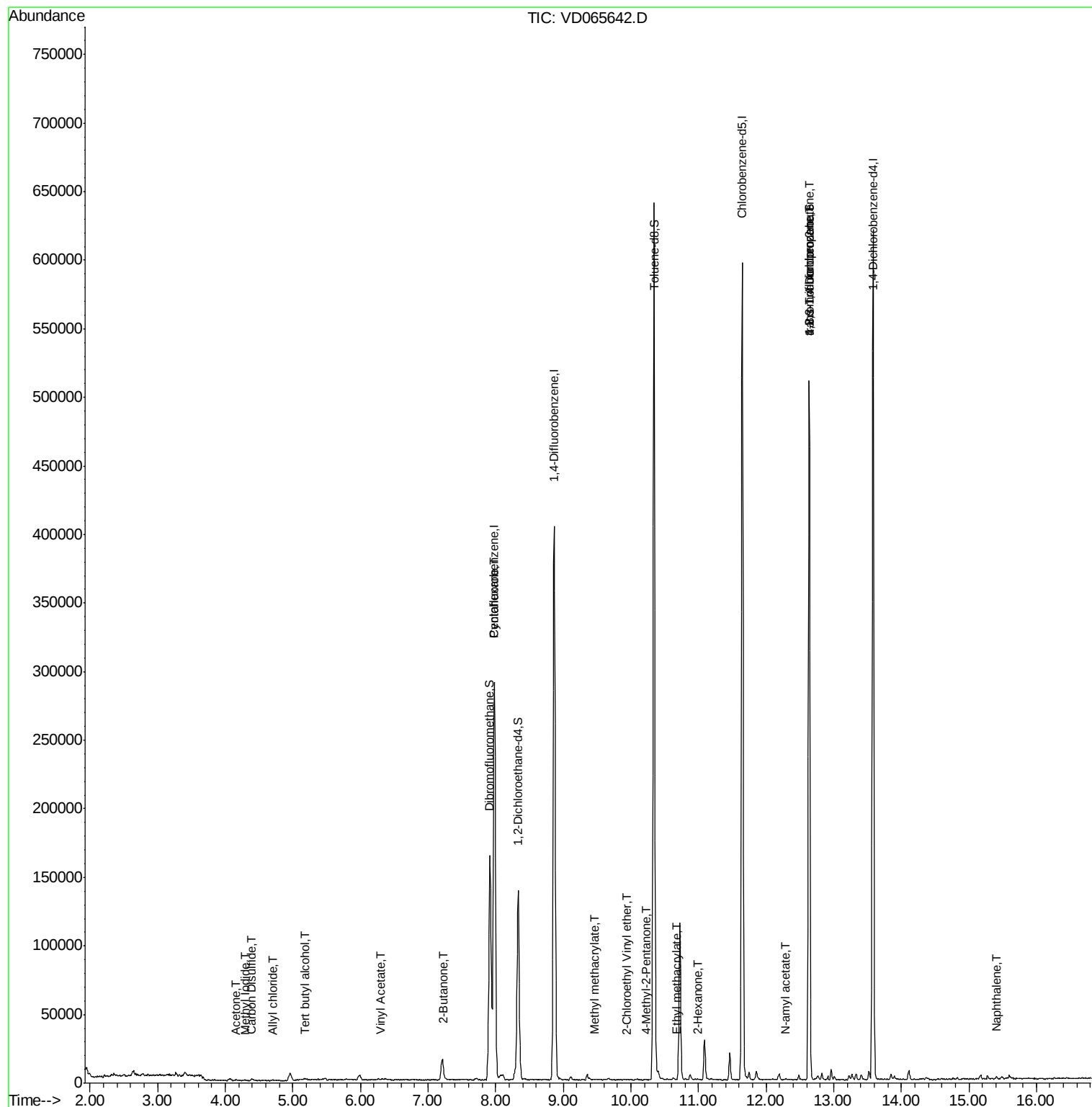
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	881	7.651	ug/l #	61
11) Tert butyl alcohol	5.18	59	659	15.730	ug/l #	74
14) Allyl chloride	4.70	41	350	4.095	ug/l #	76
16) Acetone	4.16	43	1212	4.334	ug/l	94
17) Carbon Disulfide	4.39	76	2313	6.362	ug/l #	75
23) Vinyl Acetate	6.30	43	826	11.808	ug/l #	71
25) 2-Butanone	7.23	43	1241	2.378	ug/l #	49
31) Cyclohexane	7.98	56	5750	1.561	ug/l #	30
48) Methyl methacrylate	9.46	41	60	1.762	ug/l #	15
51) 4-Methyl-2-Pentanone	10.23	43	583	10.087	ug/l #	36
56) Ethyl methacrylate	10.67	69	188	3.560	ug/l #	51
58) 2-Chloroethyl Vinyl ether	9.93	63	61	12.304	ug/l #	45
59) 2-Hexanone	10.99	43	591	10.553	ug/l #	45
74) N-amyl acetate	12.29	43	197	2.887	ug/l #	41
76) 1,2,3-Trichloropropane	12.64	75	70939	51.997	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	70939	113.959	ug/l #	11
95) Naphthalene	15.41	128	1906	4.430	ug/l #	84

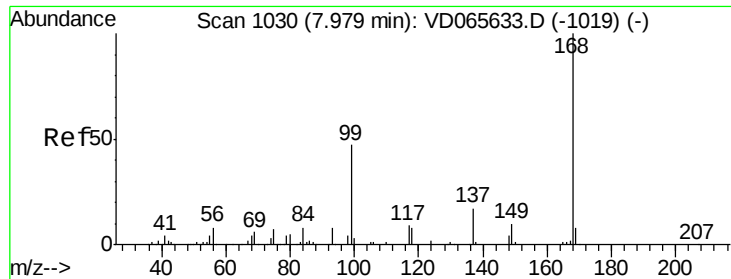
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041720\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD065642.D

Acq: 17 Apr 2020 13:53

Instrument :

MSVOA_D

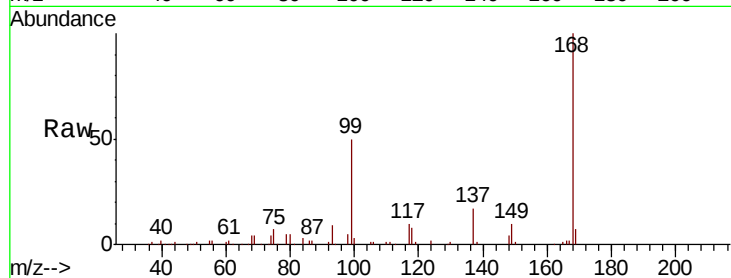
ClientSampleId :

Tot Ion:168 Resp: 229851

Ion Ratio Lower Upper

168 100

99 49.9 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

100000

80000

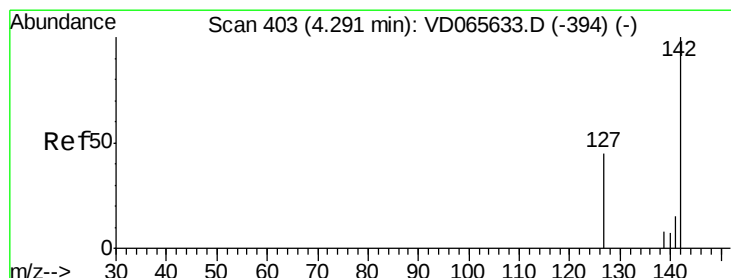
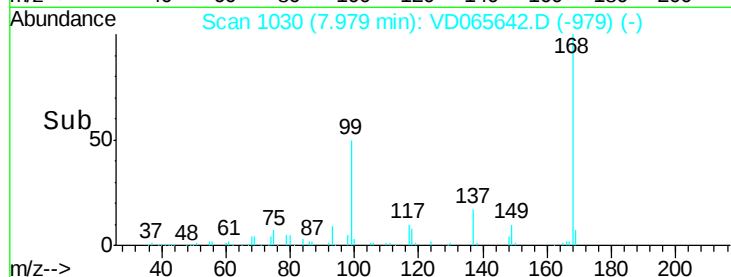
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 7.651 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065642.D

Acq: 17 Apr 2020 13:53

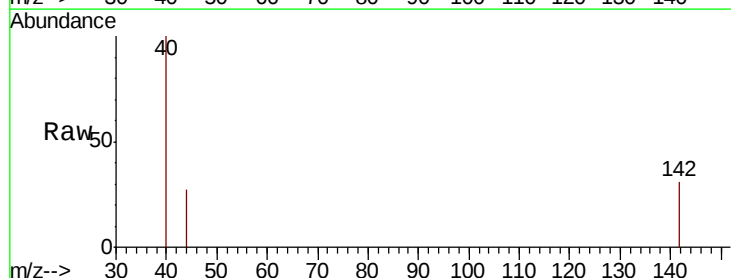
Tgt Ion:142 Resp: 881

Ion Ratio Lower Upper

142 100

127 21.1 38.1 57.1#

141 0.0 12.1 18.1#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.30

500

400

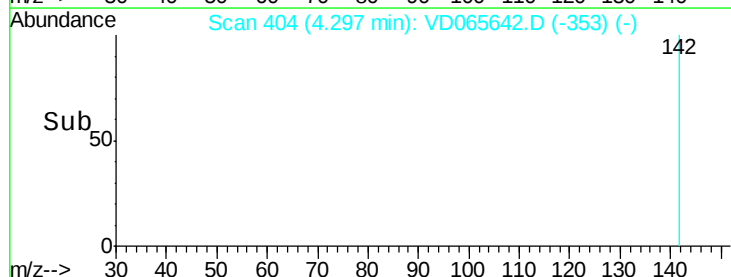
300

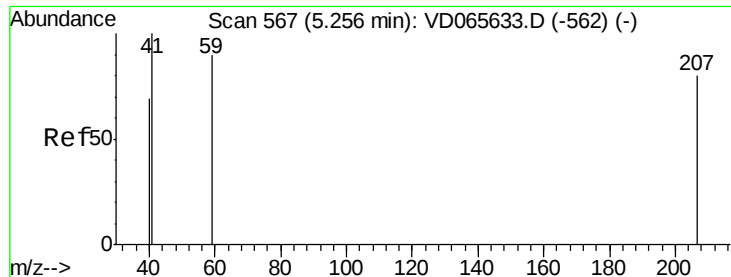
200

100

0

Time-->



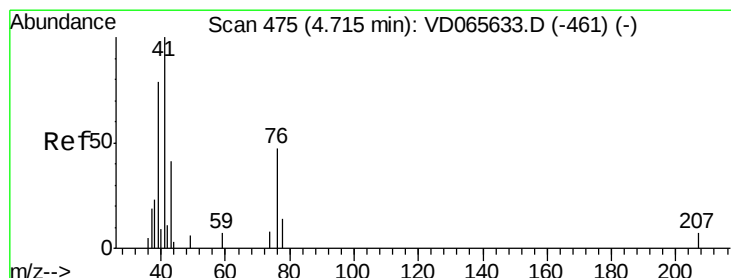
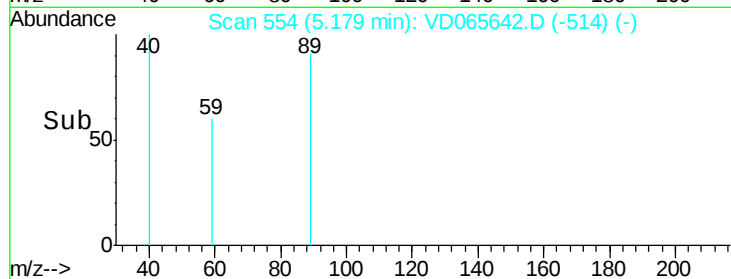
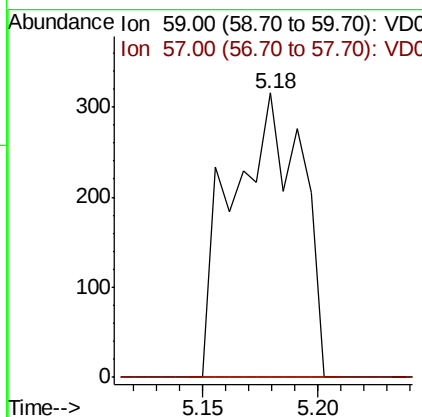
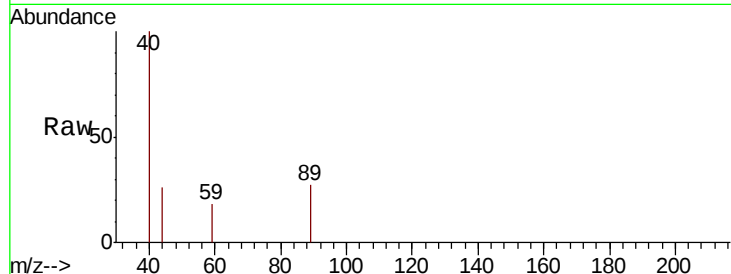


#11

Tert butyl alcohol
 Concen: 15.730 ug/l
 RT: 5.18 min Scan# 554
 Delta R.T. -0.06 min
 Lab File: VD065642.D
 Acq: 17 Apr 2020 13:53

Instrument :
 MSVOA_D
 ClientSampleId :

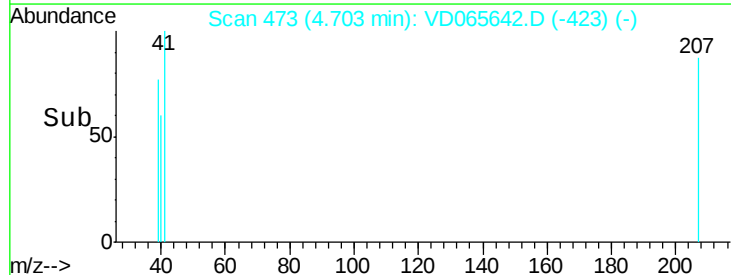
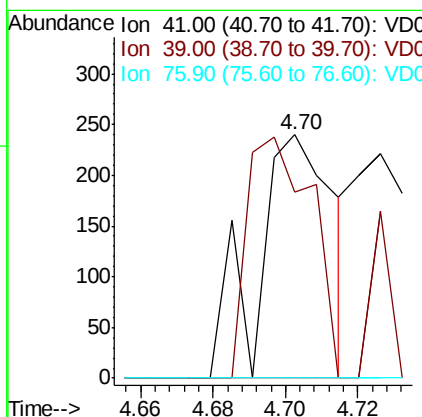
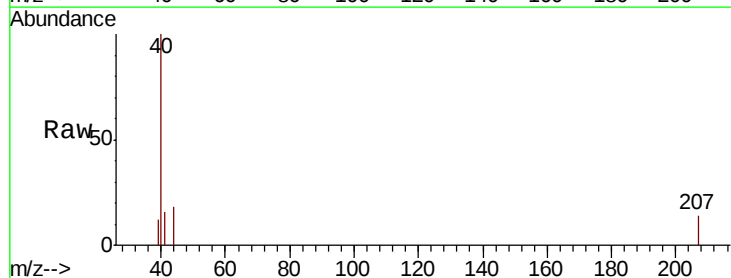
Tot Ion: 59 Resp: 659
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

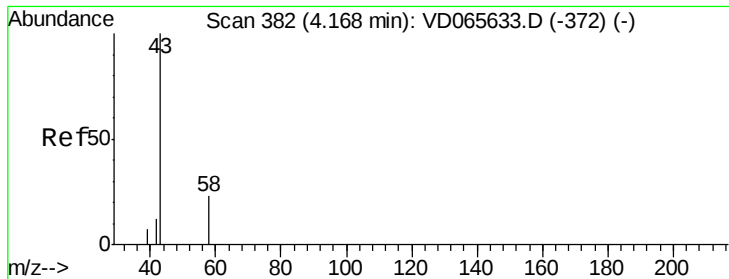


#14

Allyl chloride
 Concen: 4.095 ug/l
 RT: 4.70 min Scan# 473
 Delta R.T. -0.01 min
 Lab File: VD065642.D
 Acq: 17 Apr 2020 13:53

Tgt Ion: 41 Resp: 350
 Ion Ratio Lower Upper
 41 100
 39 84.3 62.5 93.7
 76 0.0 29.1 43.7#





#16

Acetone

Concen: 4.334 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD065642.D

Acq: 17 Apr 2020 13:53

Instrument :

MSVOA_D

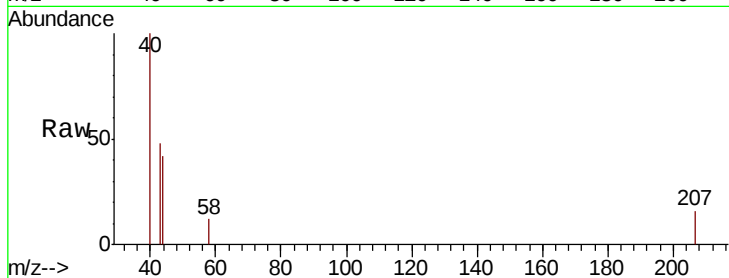
ClientSampleId :

Tot Ion: 43 Resp: 1212

Ion Ratio Lower Upper

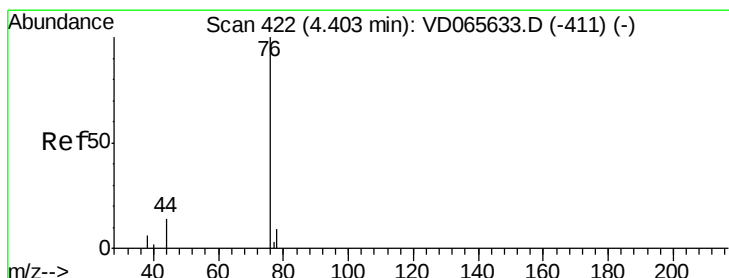
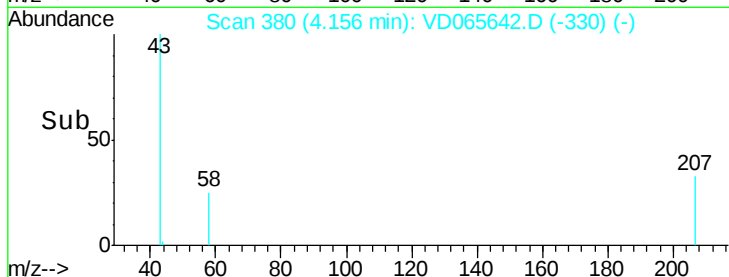
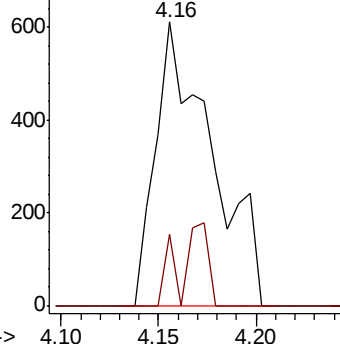
43 100

58 25.2 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 6.362 ug/l

RT: 4.39 min Scan# 420

Delta R.T. -0.01 min

Lab File: VD065642.D

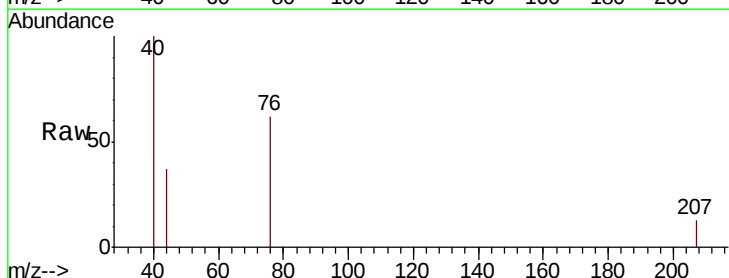
Acq: 17 Apr 2020 13:53

Tgt Ion: 76 Resp: 2313

Ion Ratio Lower Upper

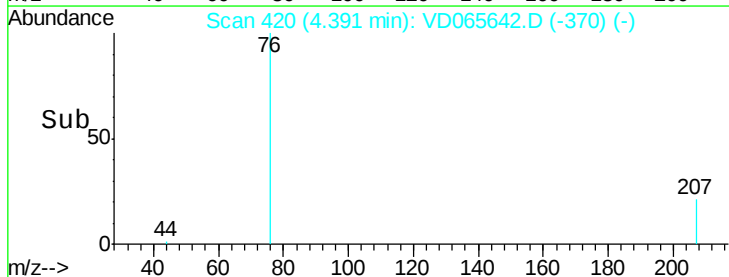
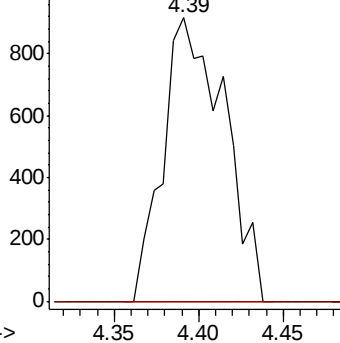
76 100

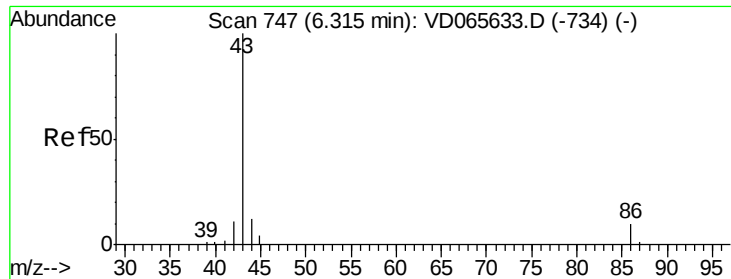
78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

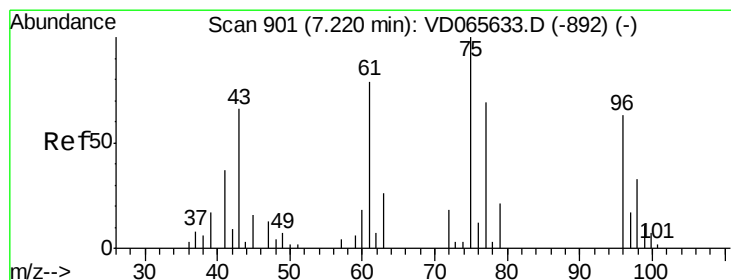
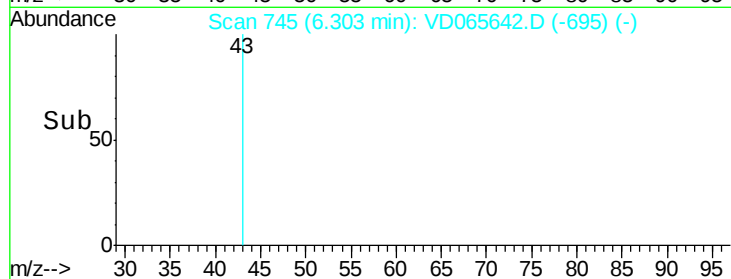
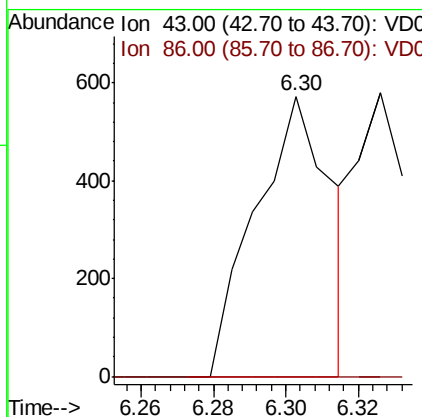
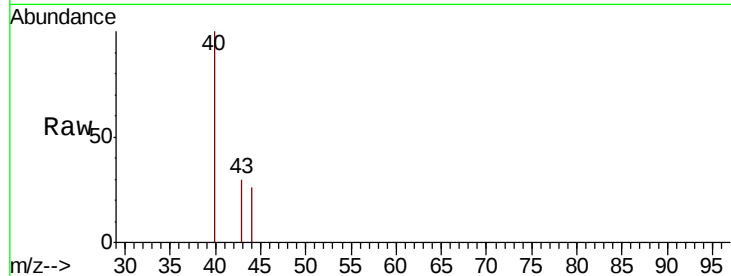




#23
Vinyl Acetate
Concen: 11.808 ug/l
RT: 6.30 min Scan# 745
Delta R.T. -0.01 min
Lab File: VD065642.D
Acq: 17 Apr 2020 13:53

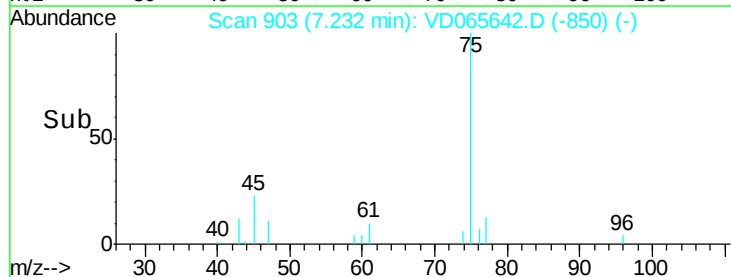
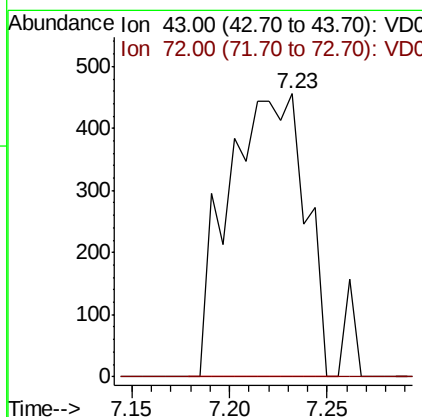
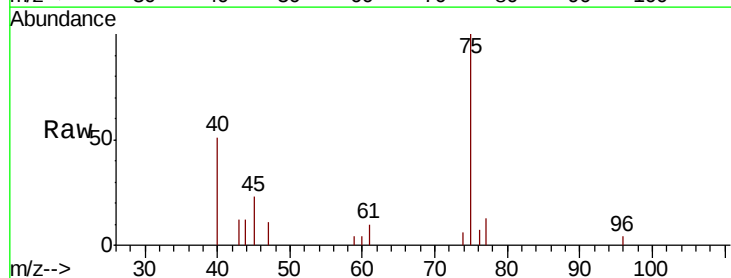
Instrument :
MSVOA_D
ClientSampleId :

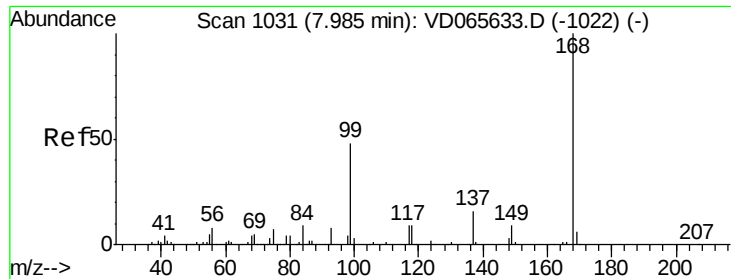
Tot Ion: 43 Resp: 826
Ion Ratio Lower Upper
43 100
86 0.0 8.7 13.1#



#25
2-Butanone
Concen: 2.378 ug/l
RT: 7.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD065642.D
Acq: 17 Apr 2020 13:53

Tgt Ion: 43 Resp: 1241
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#

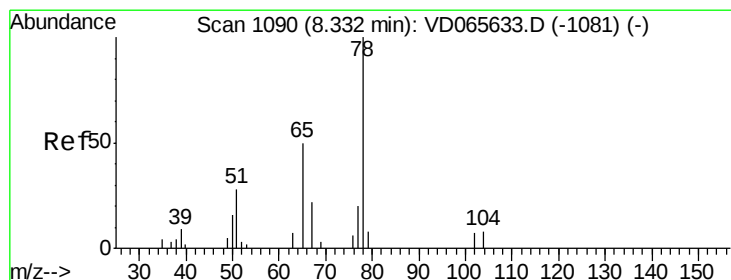
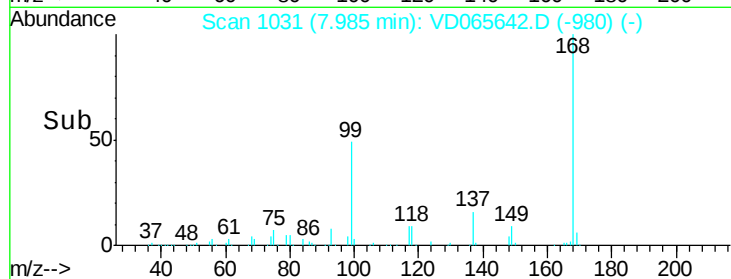
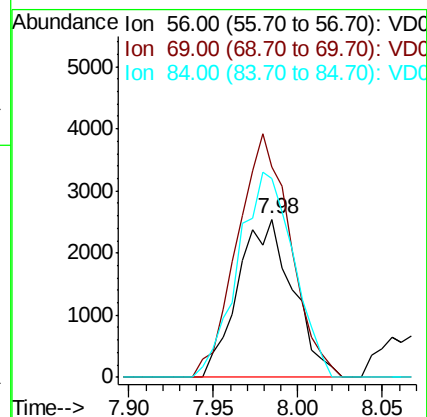
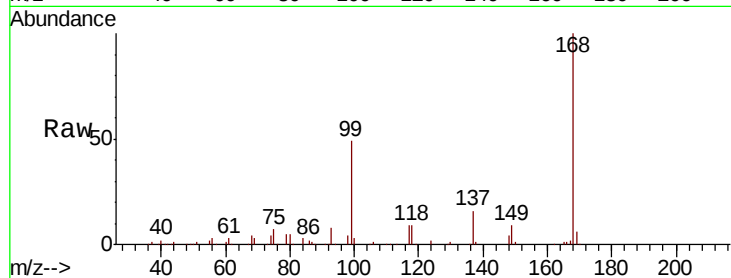




#31
Cyclohexane
Concen: 1.561 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065642.D
Acq: 17 Apr 2020 13:53

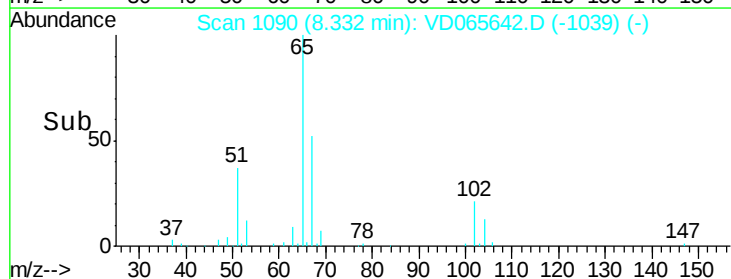
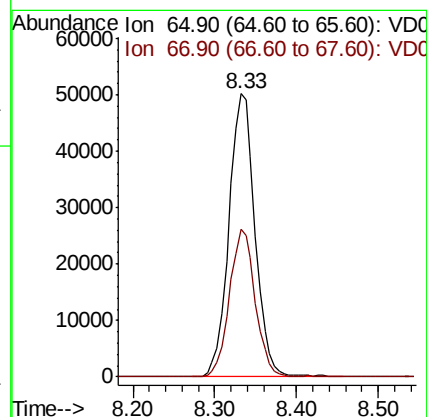
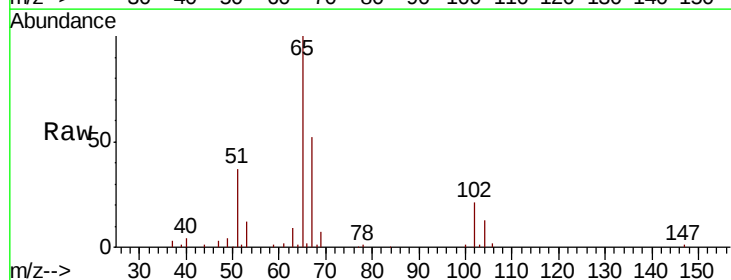
Instrument :
MSVOA_D
ClientSampleId :

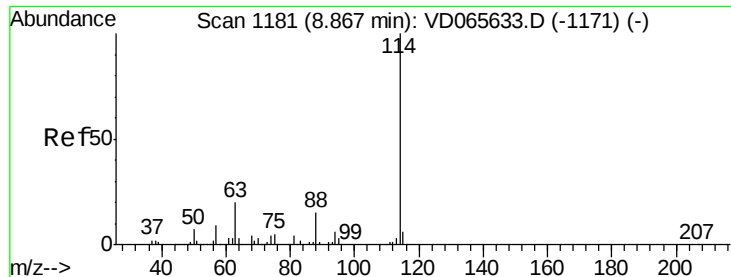
Tot Ion: 56 Resp: 5750
Ion Ratio Lower Upper
56 100
69 133.1 26.6 40.0#
84 125.5 75.3 112.9#



#33
1,2-Dichloroethane-d4
Concen: 56.848 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD065642.D
Acq: 17 Apr 2020 13:53

Tgt Ion: 65 Resp: 111155
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.8

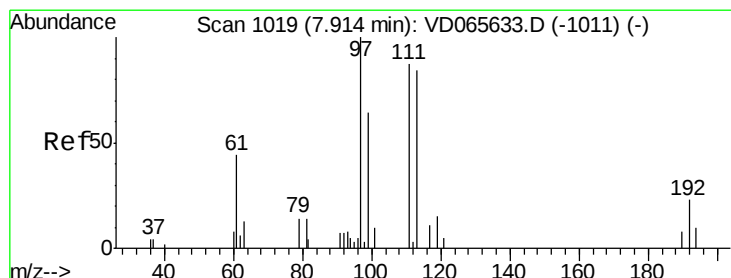
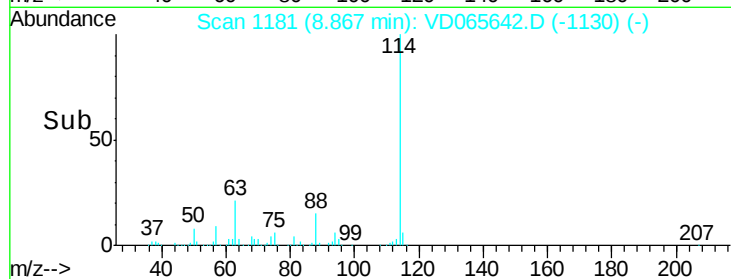
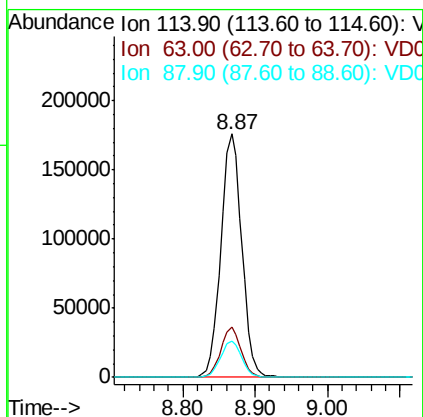
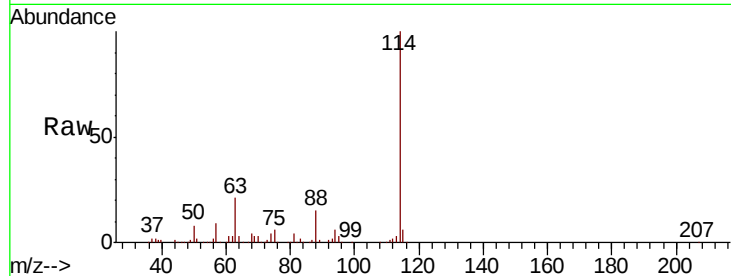




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065642.D
 Acq: 17 Apr 2020 13:53

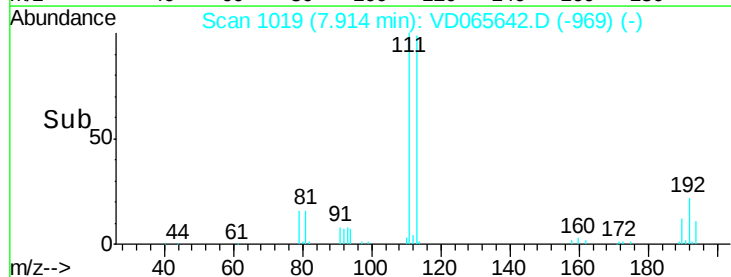
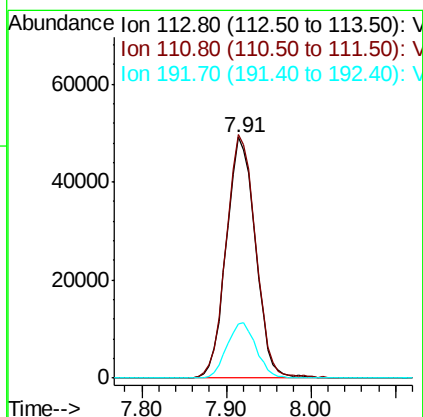
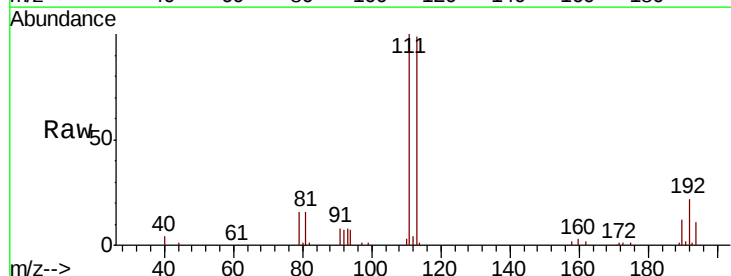
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 MSVOA_D
 ClientSampleId :

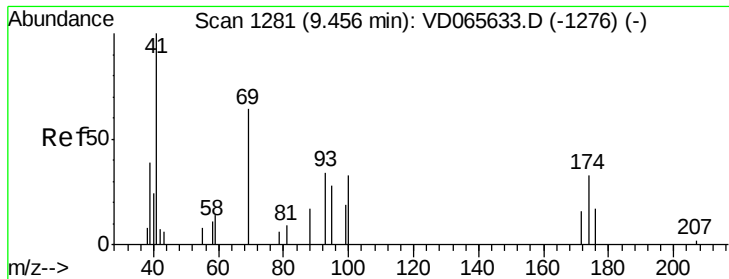
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	40.8
88	15.0	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 53.061 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065642.D
 Acq: 17 Apr 2020 13:53

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.9	122.9
192	22.9	18.9	28.3

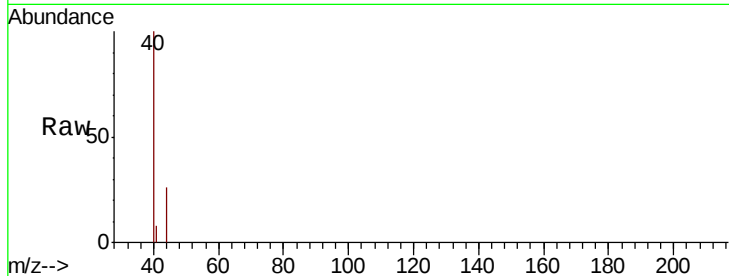




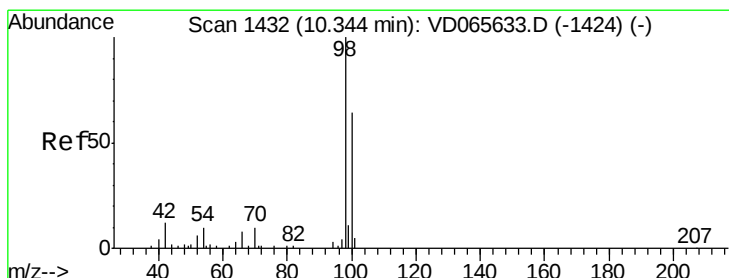
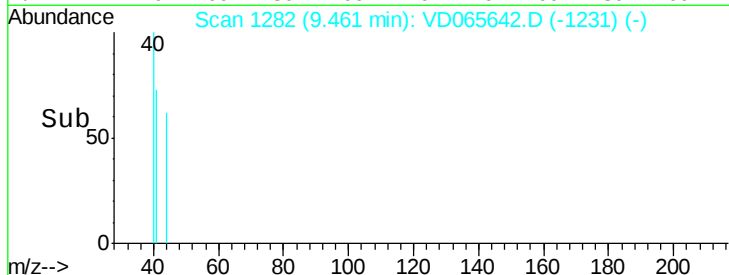
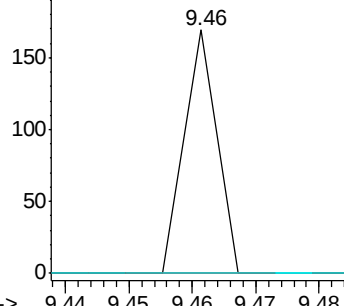
#48
Methvl methacrvlate
Concen: 1.762 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065642.D
Acq: 17 Apr 2020 13:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 60
Ion Ratio Lower Upper
41 100
69 0.0 66.8 100.2#
39 0.0 39.6 59.4#

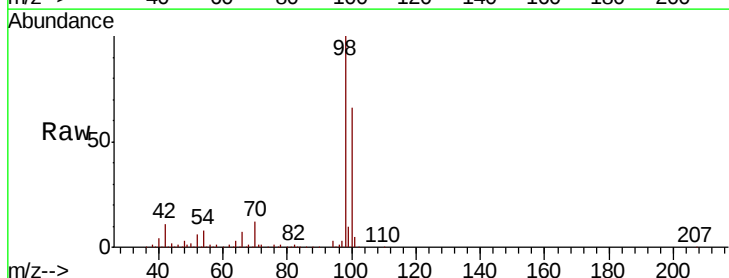


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

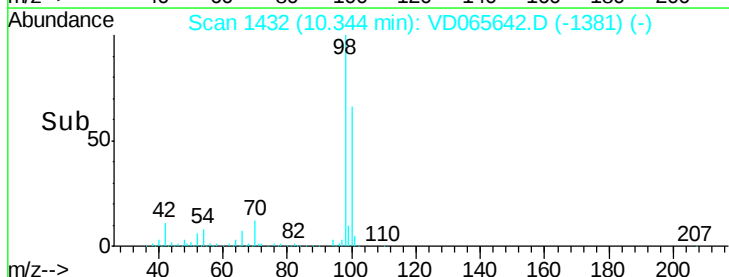
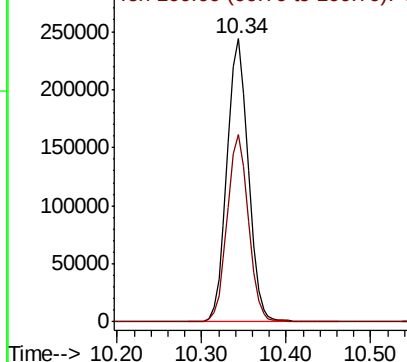


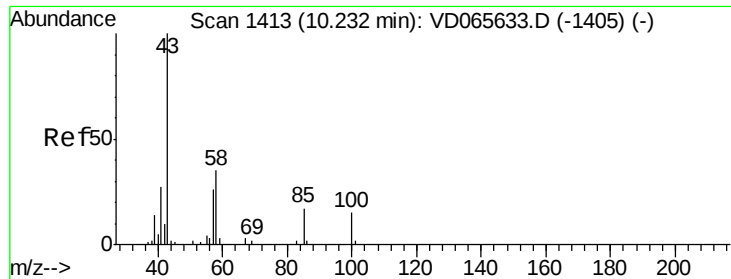
#50
Toluene-d8
Concen: 52.286 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065642.D
Acq: 17 Apr 2020 13:53

Tgt Ion: 98 Resp: 423901
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 10.087 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065642.D

Acq: 17 Apr 2020 13:53

Instrument :

MSVOA_D

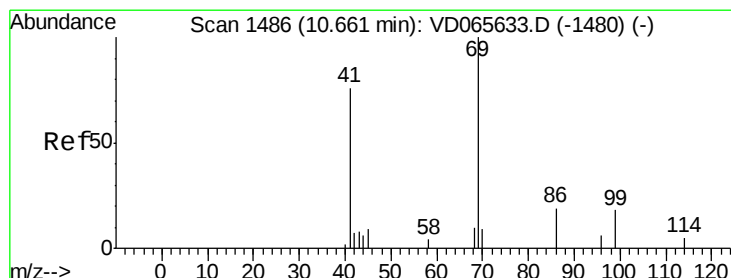
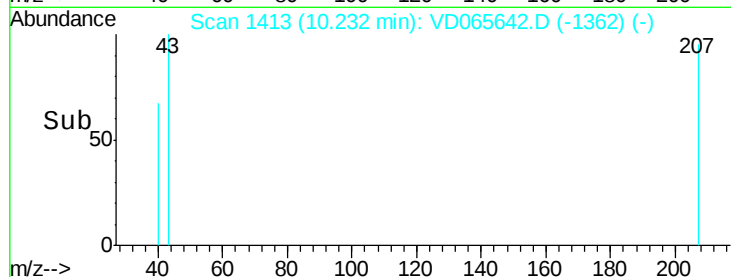
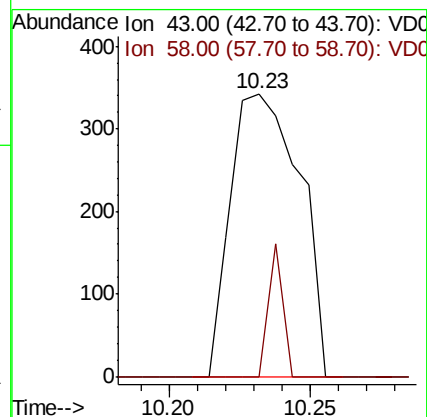
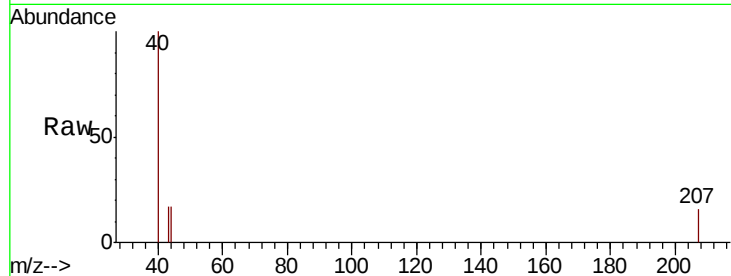
ClientSampleId :

Tot Ion: 43 Resp: 583

Ion Ratio Lower Upper

43 100

58 0.0 31.1 46.7#



#56

Ethyl methacrylate

Concen: 3.560 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065642.D

Acq: 17 Apr 2020 13:53

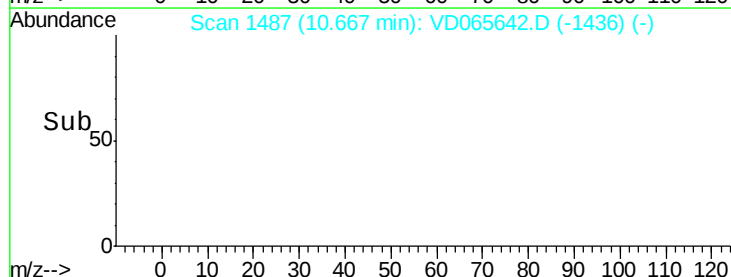
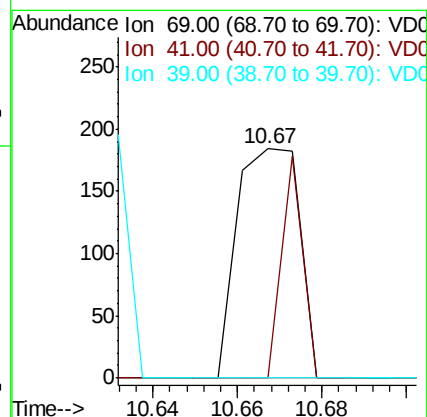
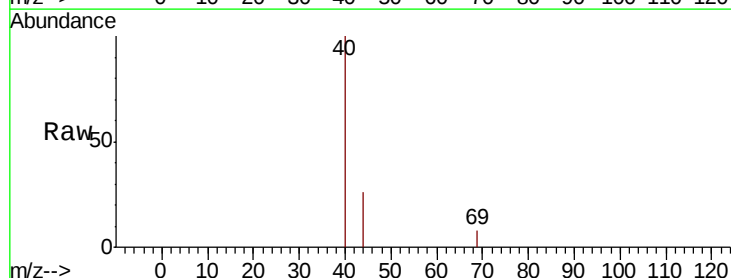
Tgt Ion: 69 Resp: 188

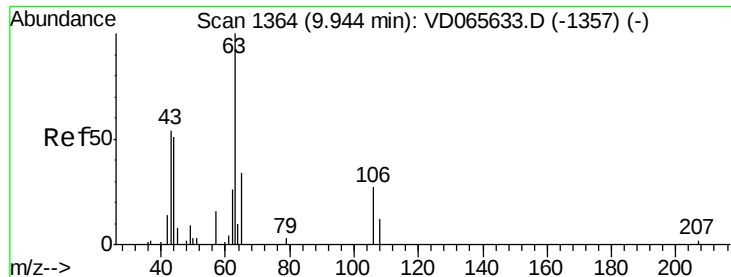
Ion Ratio Lower Upper

69 100

41 33.5 56.2 84.4#

39 0.0 26.6 39.8#

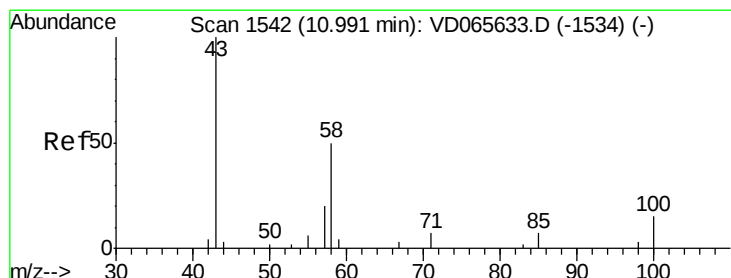
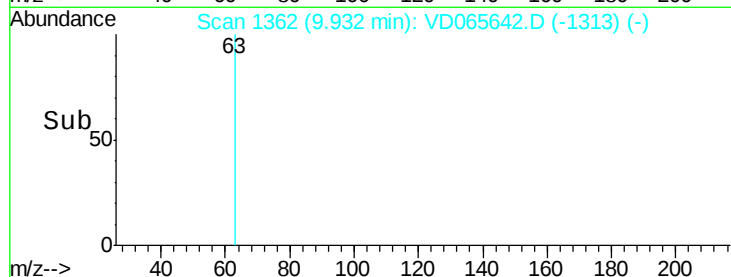
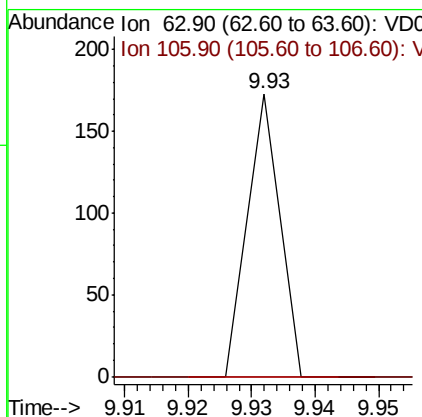
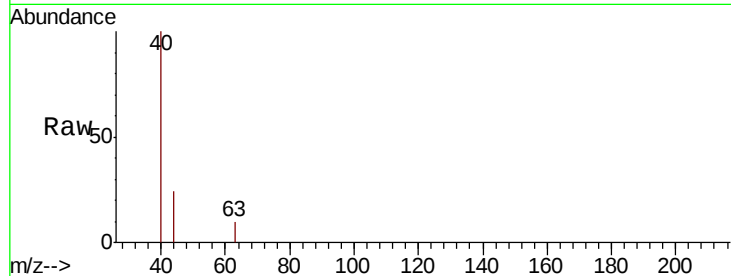




#58
 2-Chloroethyl Vinyl ether
 Concen: 12.304 ug/l
 RT: 9.93 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VD065642.D
 Acq: 17 Apr 2020 13:53

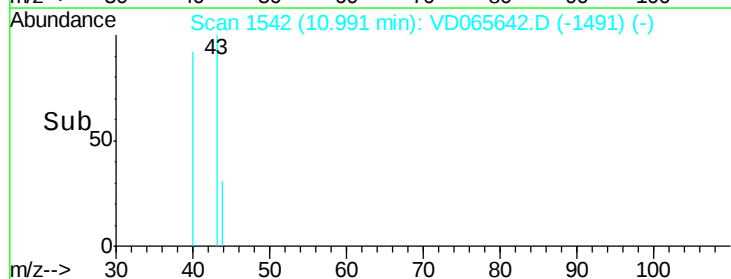
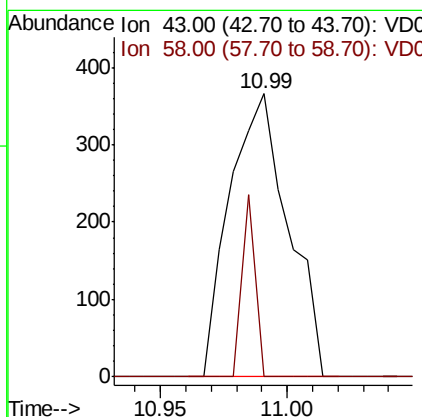
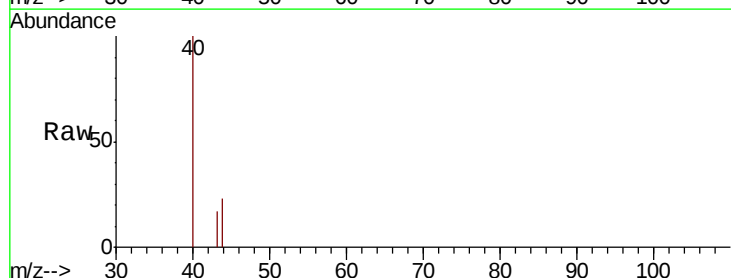
Instrument :
 MSVOA_D
 ClientSampleId :

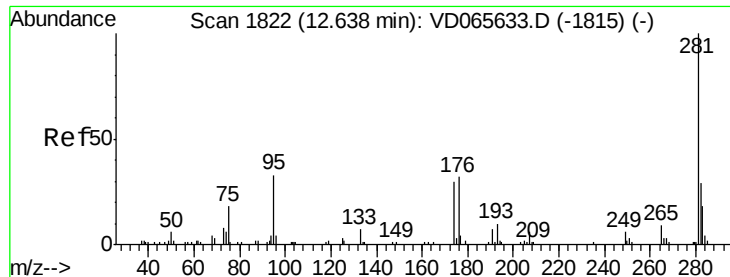
Tot Ion: 63 Resp: 61
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.8 35.6#



#59
 2-Hexanone
 Concen: 10.553 ug/l
 RT: 10.99 min Scan# 1542
 Delta R.T. 0.00 min
 Lab File: VD065642.D
 Acq: 17 Apr 2020 13:53

Tgt Ion: 43 Resp: 591
 Ion Ratio Lower Upper
 43 100
 58 14.0 26.5 79.4#





#62

4-Bromofluorobenzene

Concen: 52.436 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065642.D

Acq: 17 Apr 2020 13:53

Instrument :

MSVOA_D

ClientSampleId :

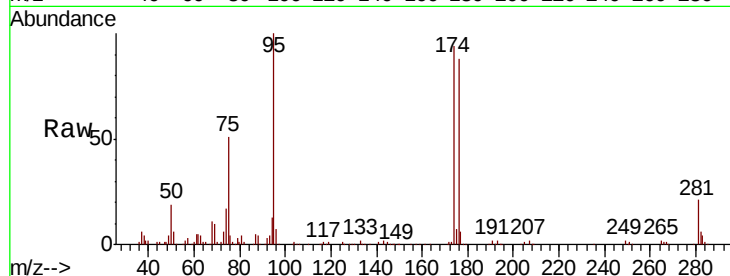
Tot Ion: 95 Resp: 141454

Ion Ratio Lower Upper

95 100

174 94.8 0.0 183.8

176 90.9 0.0 181.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

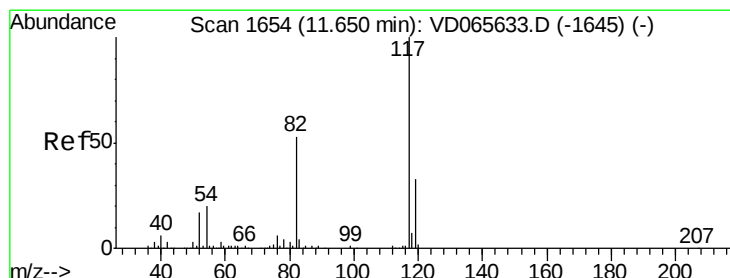
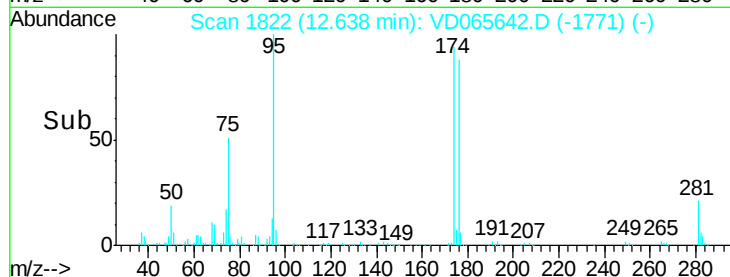
60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD065642.D

Acq: 17 Apr 2020 13:53

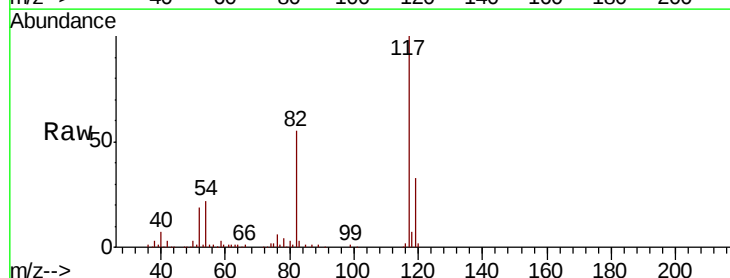
Tgt Ion: 117 Resp: 338011

Ion Ratio Lower Upper

117 100

82 54.6 43.2 64.8

119 33.1 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

250000

200000

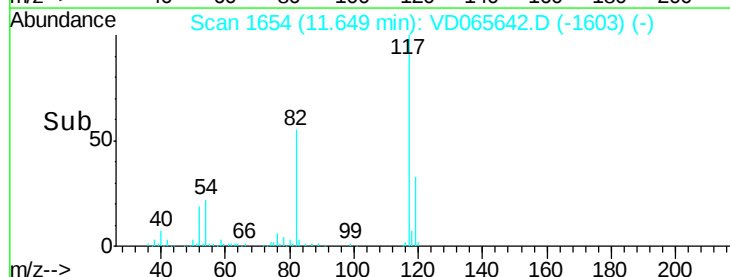
150000

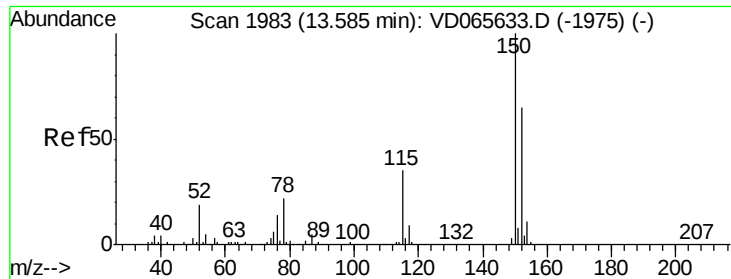
100000

50000

0

Time--> 11.60 11.70



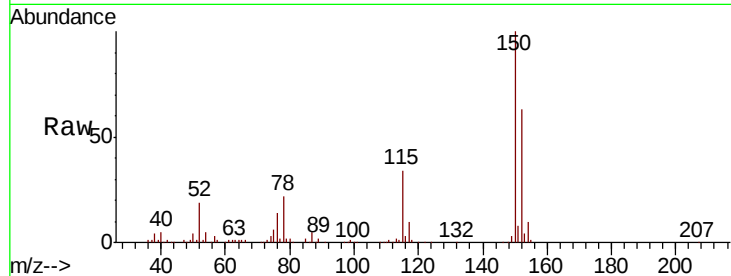


#72

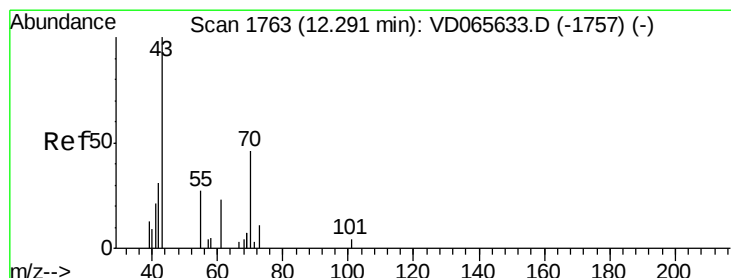
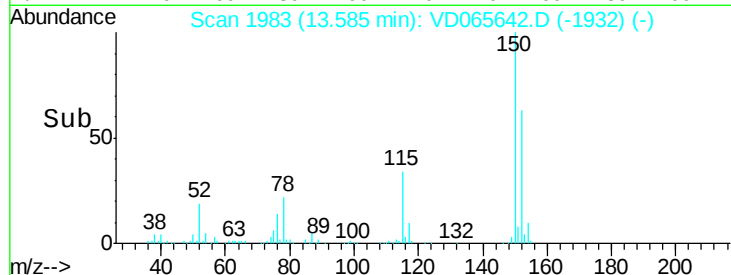
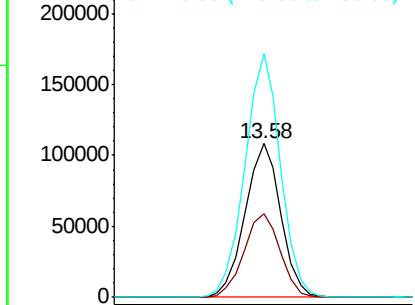
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065642.D
Acq: 17 Apr 2020 13:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 169680
Ion Ratio Lower Upper
152 100
115 55.0 27.6 82.7
150 157.0 0.0 346.0



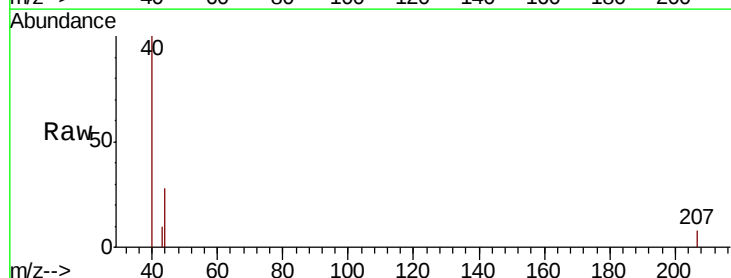
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



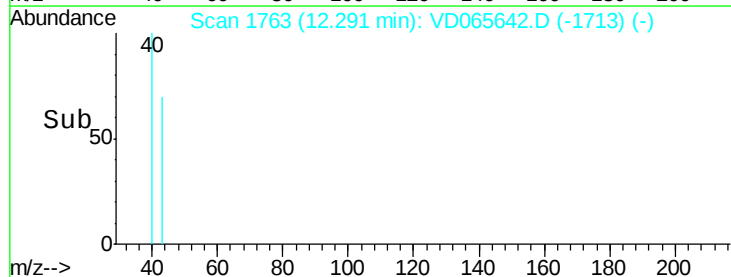
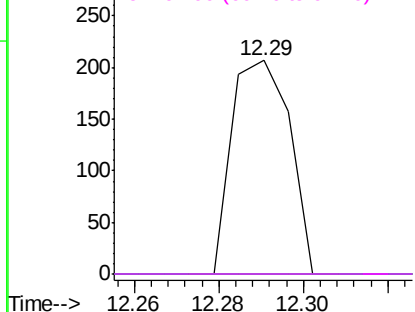
#74

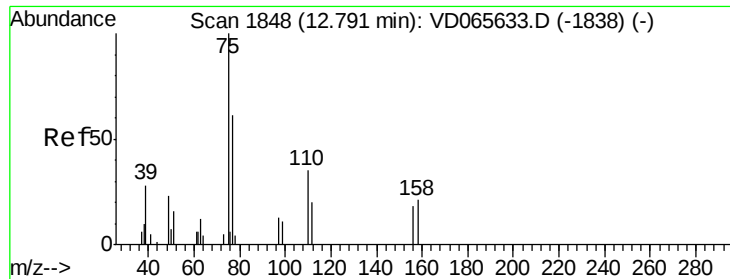
N-ethyl acetate
Concen: 2.887 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD065642.D
Acq: 17 Apr 2020 13:53

Tgt Ion: 43 Resp: 197
Ion Ratio Lower Upper
43 100
70 0.0 35.4 53.0#
55 0.0 22.2 33.2#
61 0.0 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 70.00 (69.70 to 70.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 61.00 (60.70 to 61.70): VDC





#76

1,2,3-Trichloropropane

Concen: 51.997 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065642.D

Acq: 17 Apr 2020 13:53

Instrument :

MSVOA_D

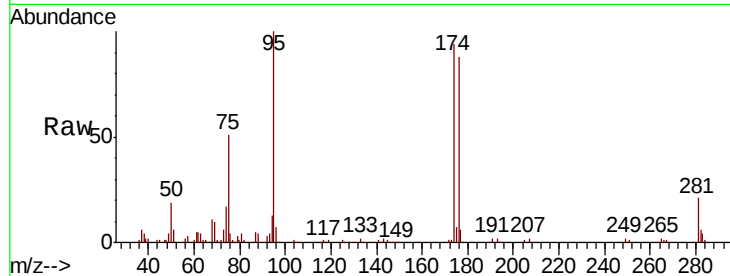
ClientSampleId :

Tot Ion: 75 Resp: 70939

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.64

50000

40000

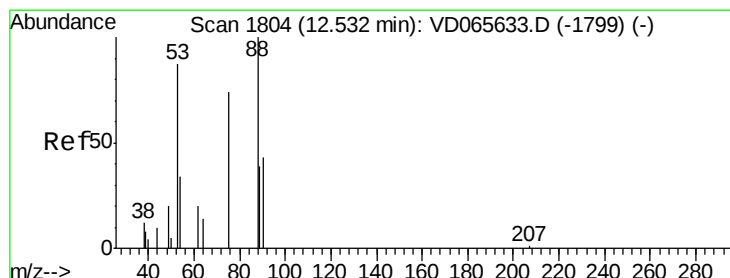
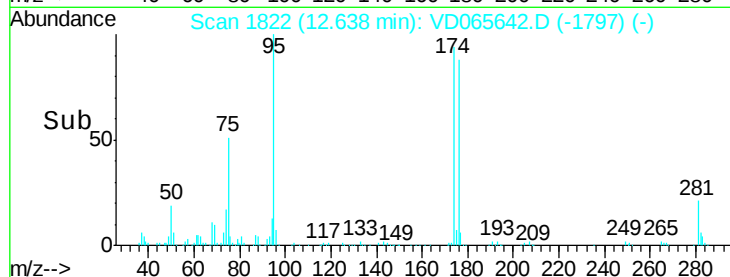
30000

20000

10000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 113.959 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065642.D

Acq: 17 Apr 2020 13:53

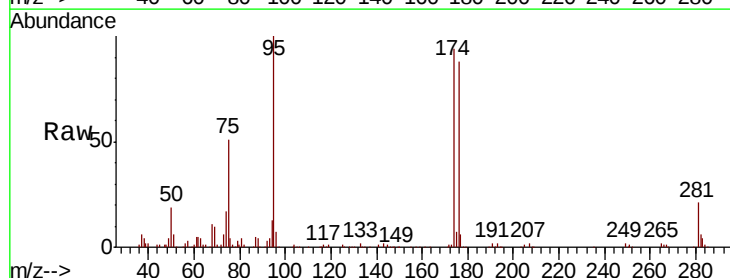
Tgt Ion: 75 Resp: 70939

Ion Ratio Lower Upper

75 100

53 0.0 76.8 115.2#

89 0.1 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

12.64

60000

50000

40000

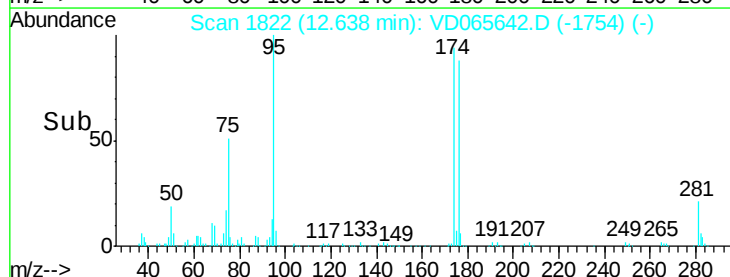
30000

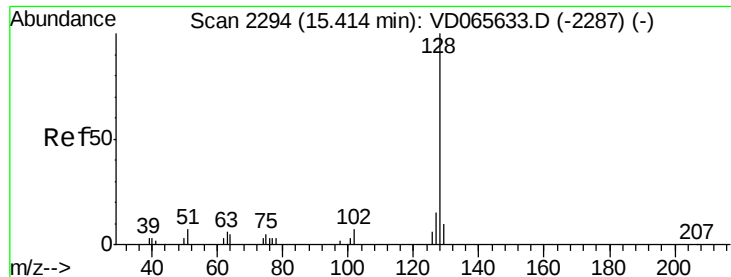
20000

10000

0

Time--> 12.55 12.60 12.65 12.70





#95

Naphthalene

Concen: 4.430 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

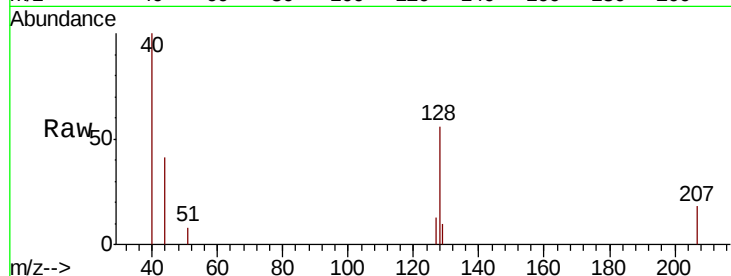
Lab File: VD065642.D

Acq: 17 Apr 2020 13:53

Instrument :

MSVOA_D

ClientSampleId :



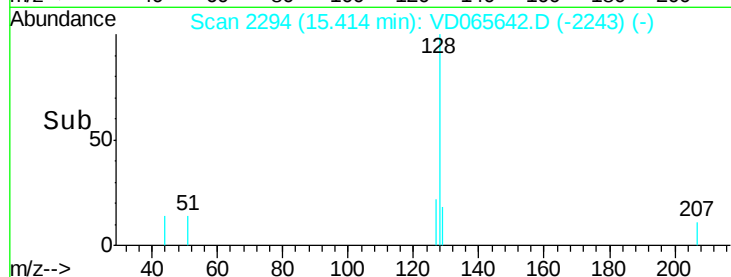
Tot Ion:128 Resp: 1906

Ion Ratio Lower Upper

128 100

127 7.9 10.6 16.0#

129 3.8 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

