

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041720\
 Data File : VD065646.D
 Acq On : 17 Apr 2020 15:58
 Operator : VA/SY
 Sample : L2327-02
 Misc : 6.35G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 20 07:00:57 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	222198	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	354768	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	349135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	161193	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	112742	59.65	ug/l	0.00
Spiked Amount			Recovery	=	119.30%	
35) Dibromofluoromethane	7.92	113	118633	53.73	ug/l	0.00
Spiked Amount			Recovery	=	107.46%	
50) Toluene-d8	10.34	98	433557	53.27	ug/l	0.00
Spiked Amount			Recovery	=	106.54%	
62) 4-Bromofluorobenzene	12.64	95	137057	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	

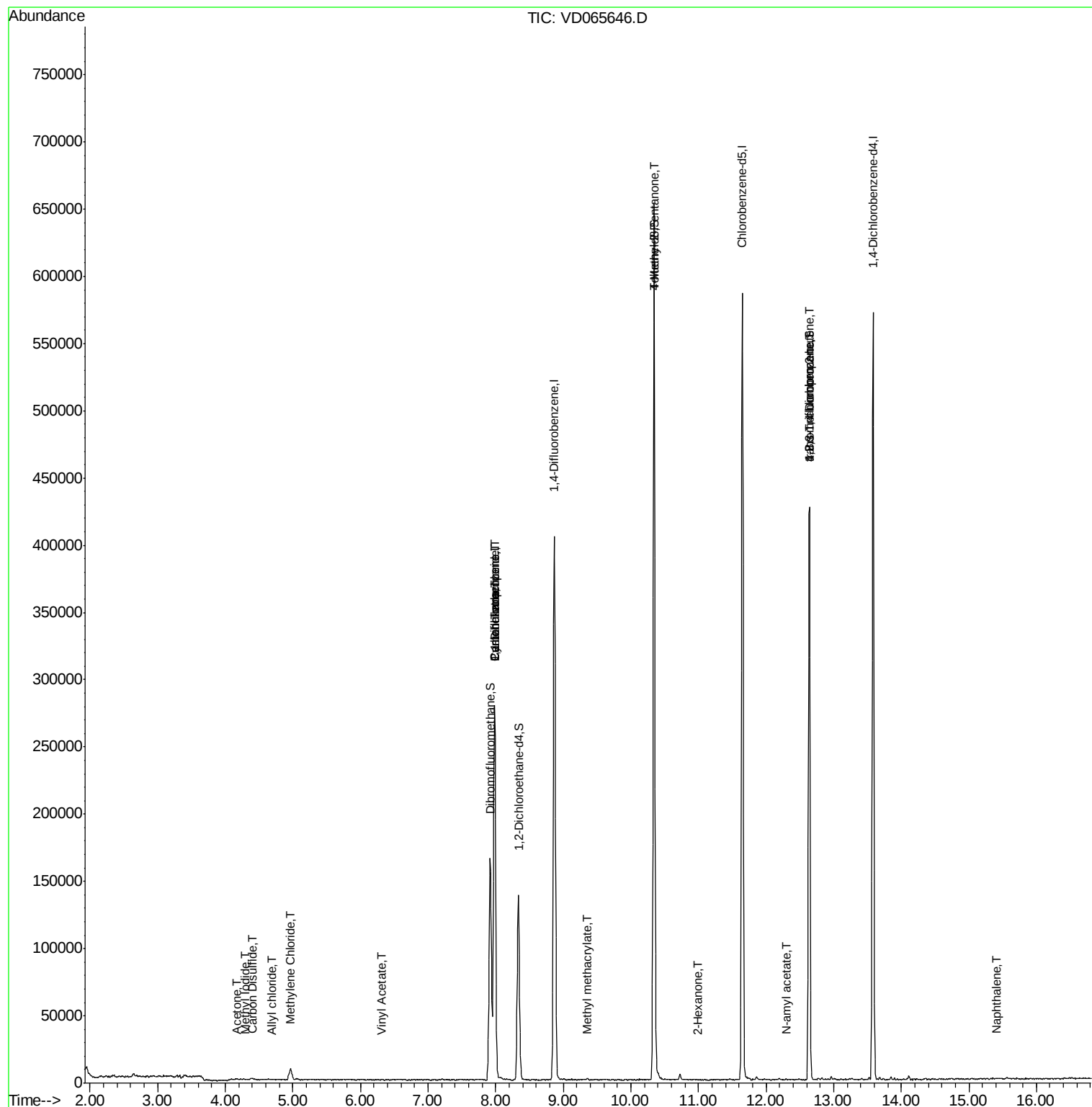
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	242	7.431	ug/l #	38
14) Allyl chloride	4.70	41	134	4.010	ug/l #	19
16) Acetone	4.17	43	931	3.444	ug/l #	46
17) Carbon Disulfide	4.40	76	1542	6.254	ug/l #	75
20) Methylene Chloride	4.96	84	6523	2.062	ug/l	98
23) Vinyl Acetate	6.31	43	182	11.639	ug/l #	71
31) Cyclohexane	7.98	56	4700	1.320	ug/l #	21
36) 1,1-Dichloropropene	7.98	75	16224	4.736	ug/l #	48
38) Carbon Tetrachloride	7.98	117	20176	5.499	ug/l #	17
48) Methyl methacrylate	9.35	41	156	1.833	ug/l #	15
51) 4-Methyl-2-Pentanone	10.34	43	1786	10.927	ug/l #	1
59) 2-Hexanone	11.00	43	143	10.095	ug/l #	25
74) N-amyl acetate	12.30	43	55	2.833	ug/l #	41
76) 1,2,3-Trichloropropane	12.64	75	66550	51.349	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	66550	112.537	ug/l #	11
95) Naphthalene	15.42	128	646	4.221	ug/l #	69

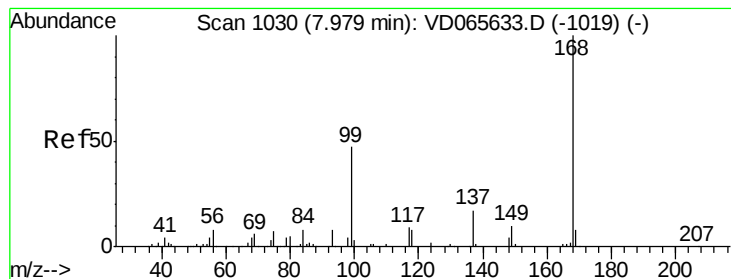
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041720\
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Quant Time: Apr 20 07:00:57 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 15 19:43:39 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065646.D

Acq: 17 Apr 2020 15:58

Instrument :

MSVOA_D

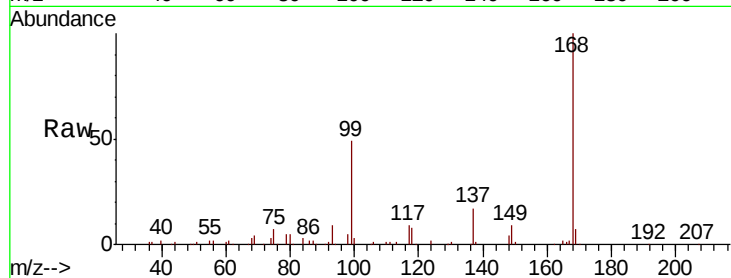
ClientSampleId :

Tot Ion:168 Resp: 222198

Ion Ratio Lower Upper

168 100

99 49.5 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

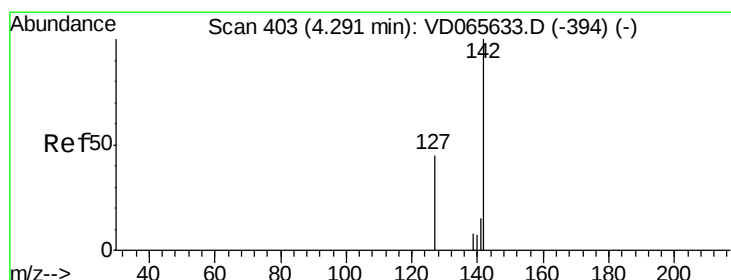
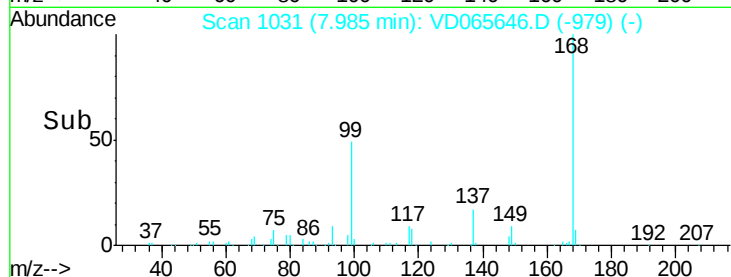
40000

20000

0

Time-->

7.90 8.00 8.10



#10

Methyl Iodide

Concen: 7.431 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD065646.D

Acq: 17 Apr 2020 15:58

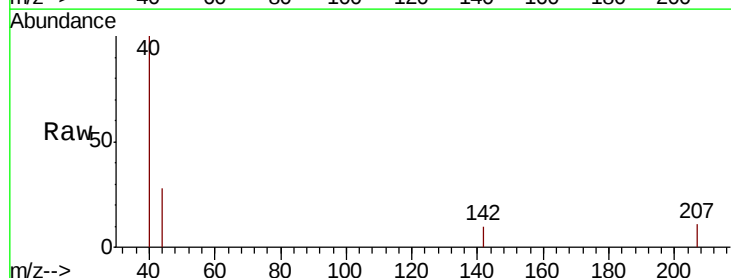
Tgt Ion:142 Resp: 242

Ion Ratio Lower Upper

142 100

127 0.0 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

200

150

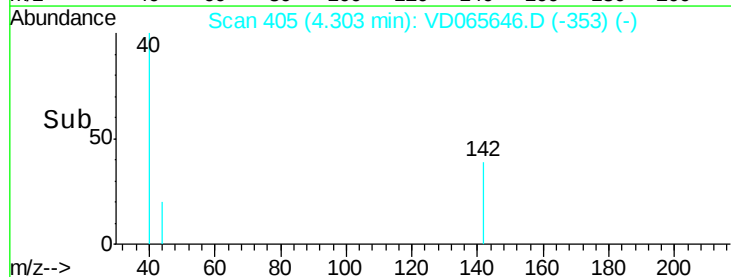
100

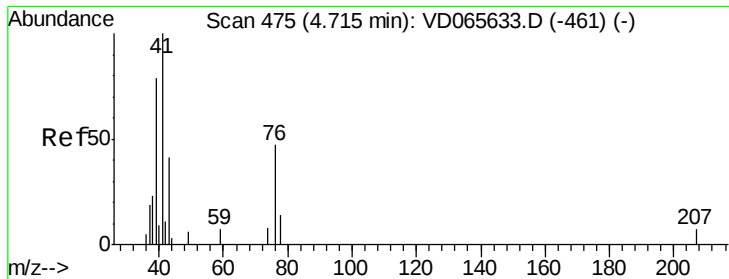
50

0

Time-->

4.26 4.28 4.30 4.32

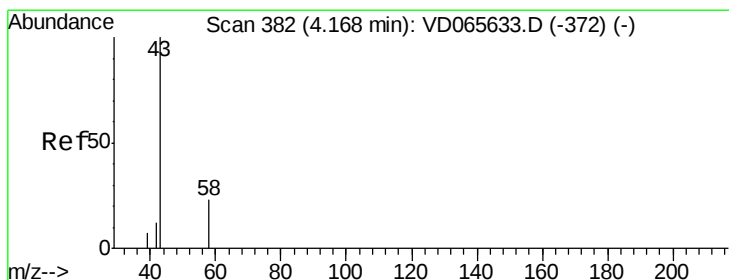
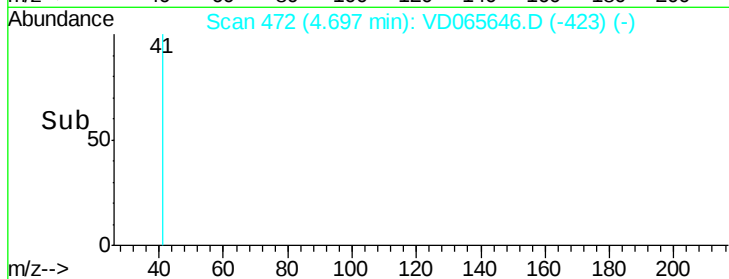
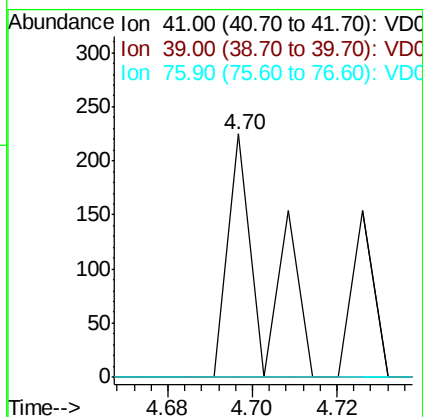
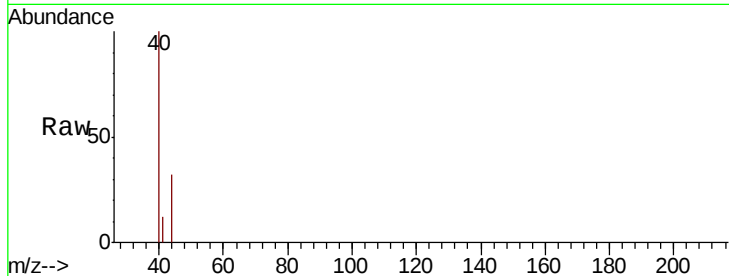




#14
Allvl chloride
Concen: 4.010 ug/l
RT: 4.70 min Scan# 472
Delta R.T. -0.01 min
Lab File: VD065646.D
Acq: 17 Apr 2020 15:58

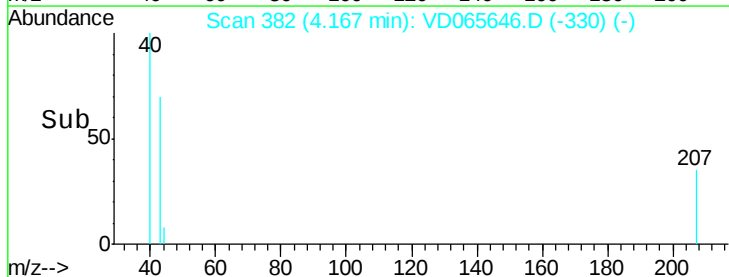
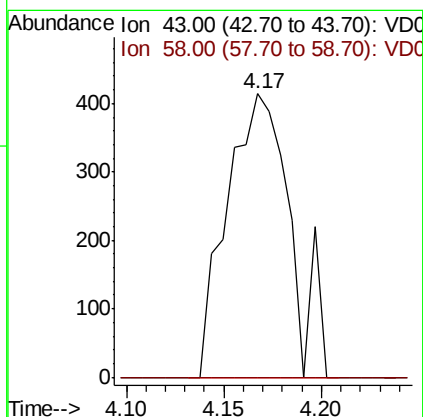
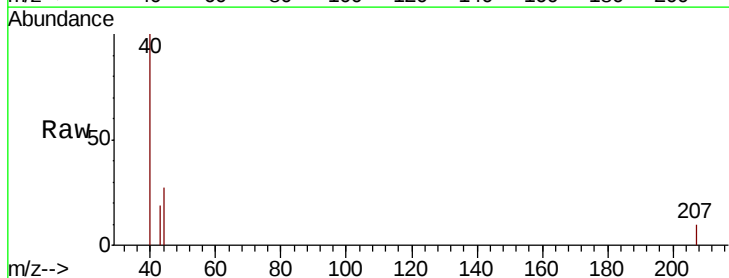
Instrument :
MSVOA_D
ClientSampleId :

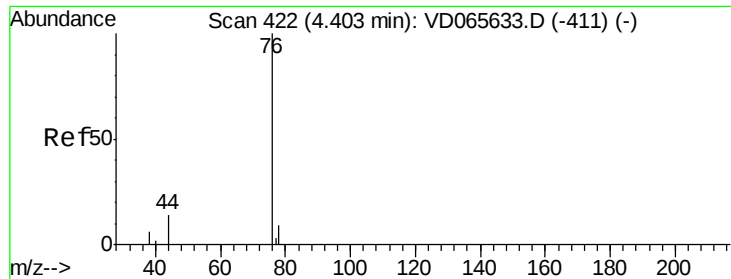
Tot Ion: 41 Resp: 134
Ion Ratio Lower Upper
41 100
39 0.0 62.5 93.7#
76 0.0 29.1 43.7#



#16
Acetone
Concen: 3.444 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.01 min
Lab File: VD065646.D
Acq: 17 Apr 2020 15:58

Tgt Ion: 43 Resp: 931
Ion Ratio Lower Upper
43 100
58 0.0 22.9 34.3#

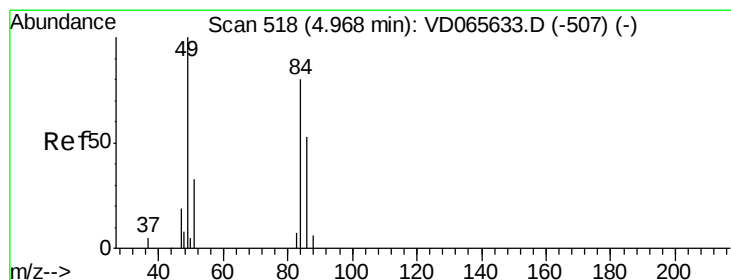
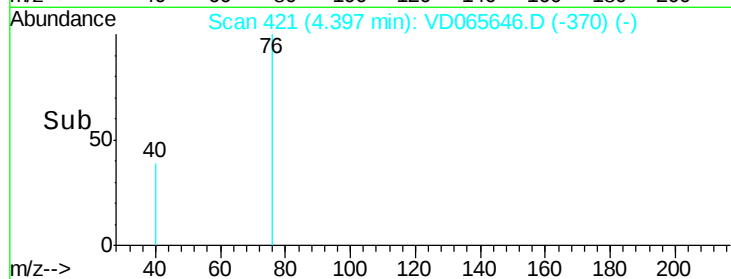
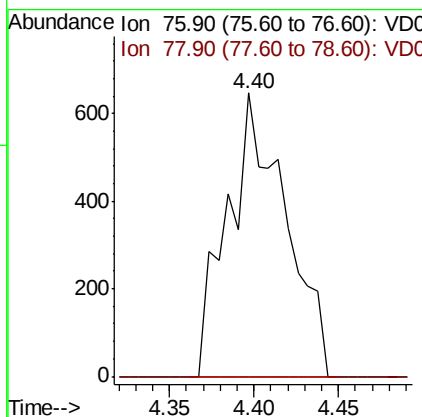
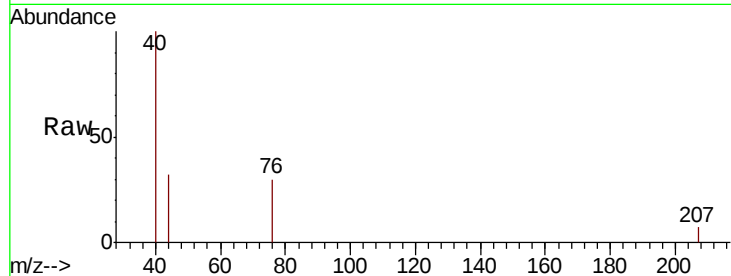




#17
Carbon Disulfide
Concen: 6.254 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.00 min
Lab File: VD065646.D
Acq: 17 Apr 2020 15:58

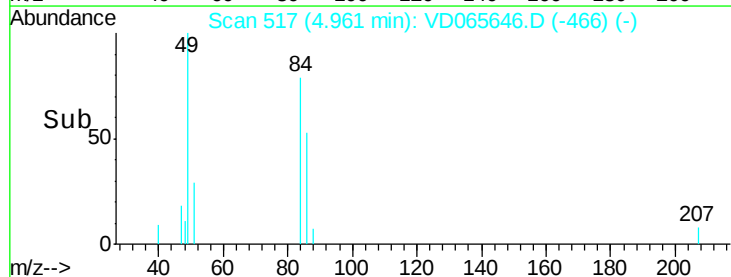
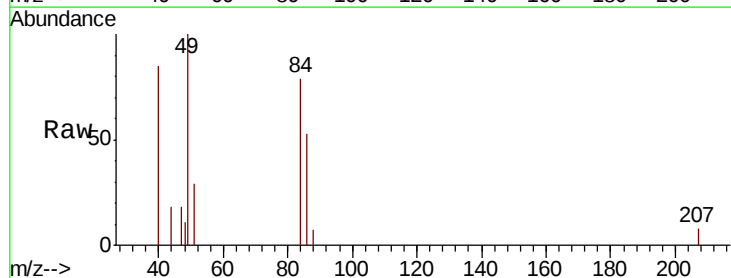
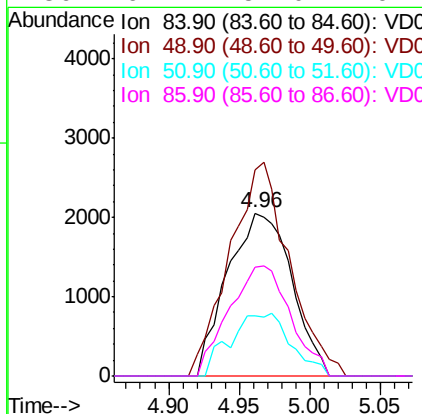
Instrument :
MSVOA_D
ClientSampleId :

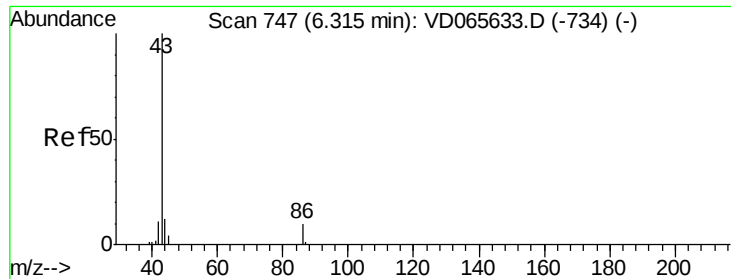
Tot Ion: 76 Resp: 1542
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#20
Methylene Chloride
Concen: 2.062 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065646.D
Acq: 17 Apr 2020 15:58

Tgt Ion: 84 Resp: 6523
Ion Ratio Lower Upper
84 100
49 126.4 102.0 153.0
51 37.1 30.8 46.2
86 67.2 51.0 76.4





#23

Vinyl Acetate

Concen: 11.639 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065646.D

Acq: 17 Apr 2020 15:58

Instrument :

MSVOA_D

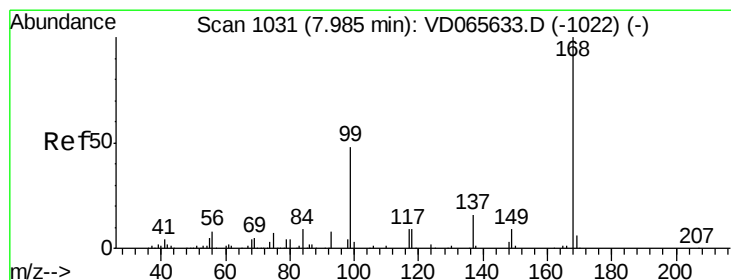
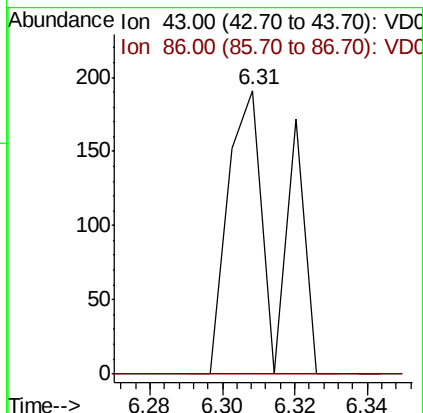
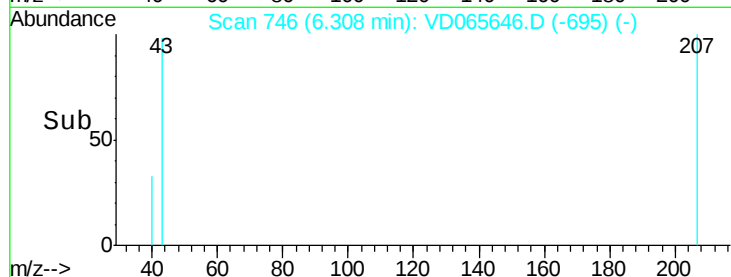
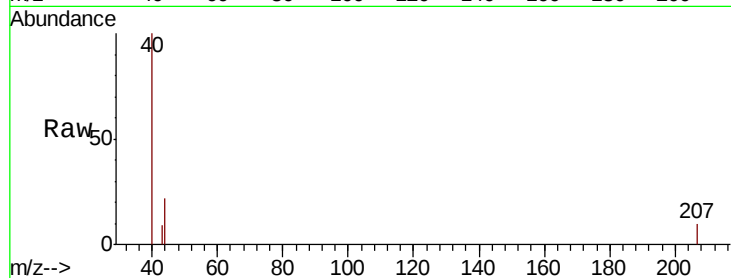
ClientSampleId :

Tot Ion: 43 Resp: 182

Ion Ratio Lower Upper

43 100

86 0.0 8.7 13.1#



#31

Cyclohexane

Concen: 1.320 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065646.D

Acq: 17 Apr 2020 15:58

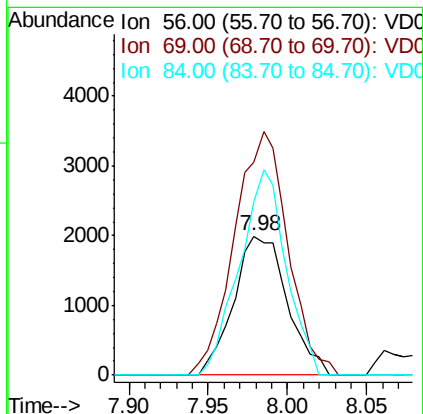
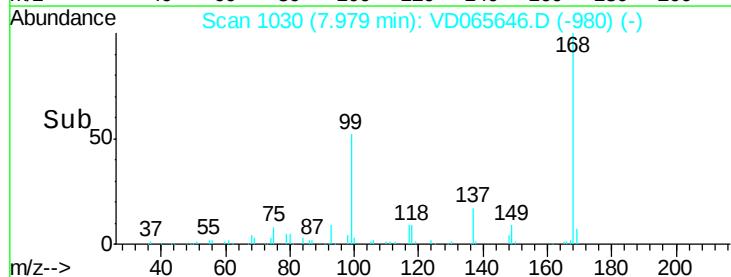
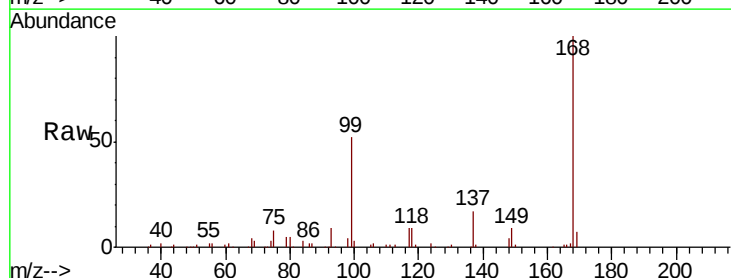
Tgt Ion: 56 Resp: 4700

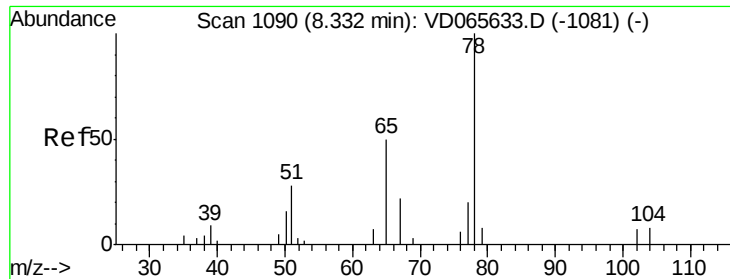
Ion Ratio Lower Upper

56 100

69 153.2 26.6 40.0#

84 124.6 75.3 112.9#

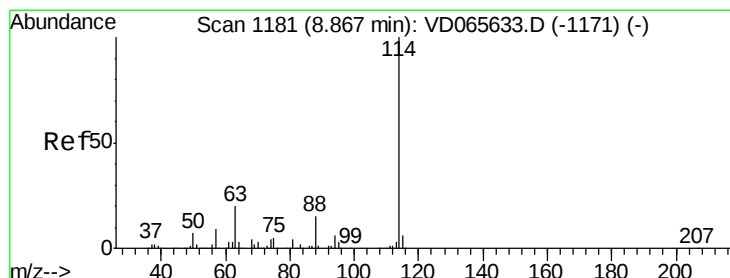
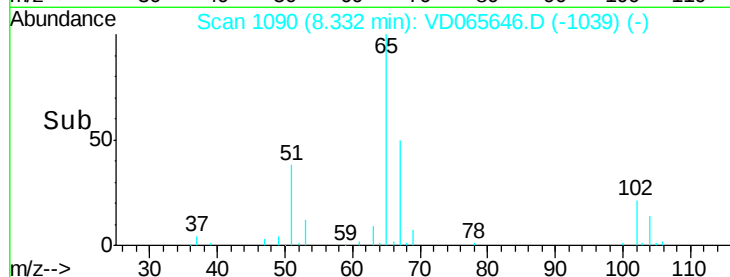
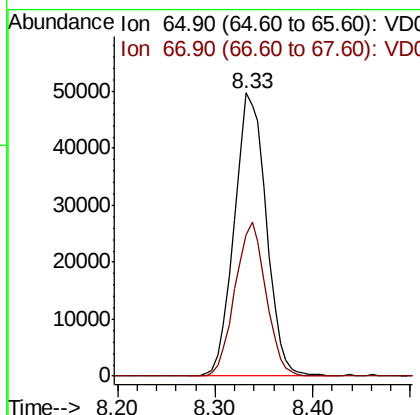
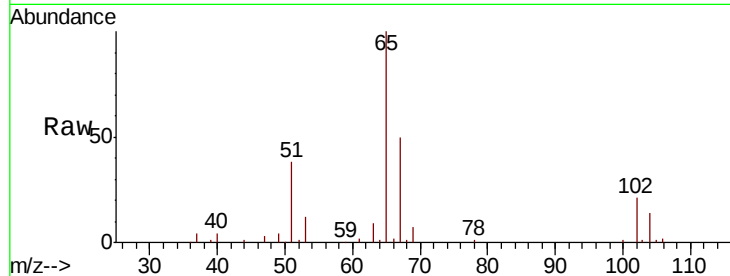




#33
 1,2-Dichloroethane-d4
 Concen: 59.645 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065646.D
 Acq: 17 Apr 2020 15:58

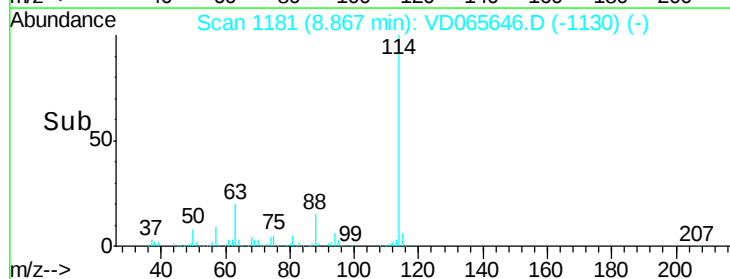
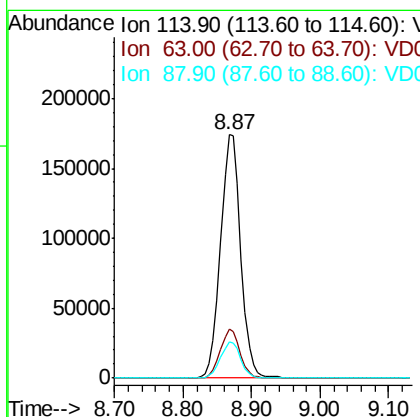
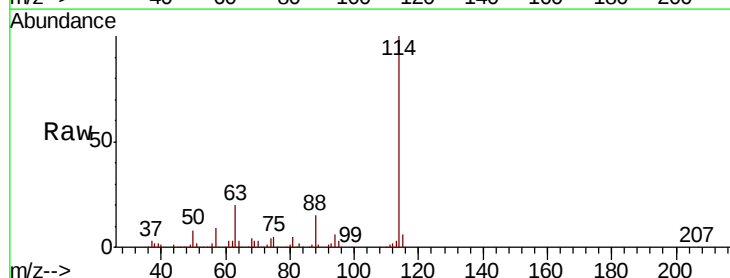
Instrument :
 MSVOA_D
 ClientSampled :

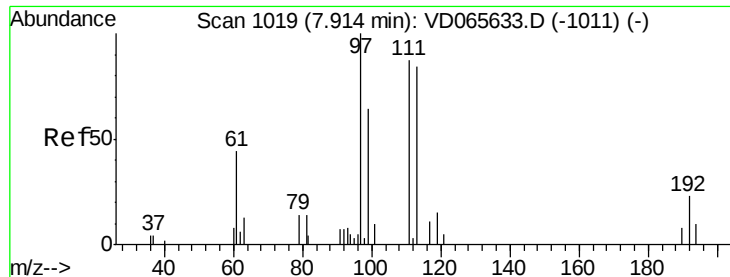
Tot Ion: 65 Resp: 112742
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065646.D
 Acq: 17 Apr 2020 15:58

Tgt Ion: 114 Resp: 354768
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.8
 88 15.0 0.0 31.6

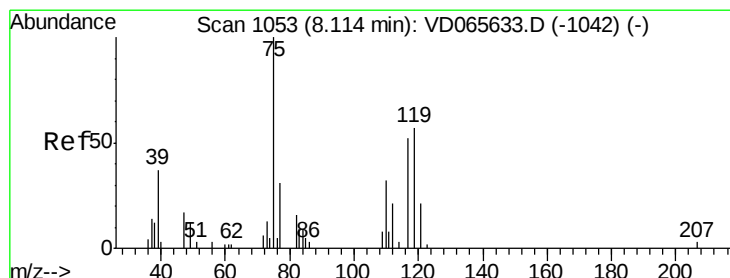
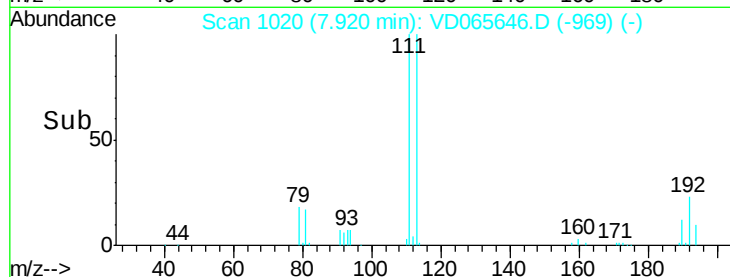
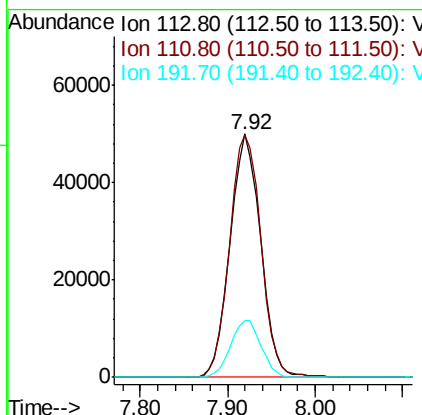
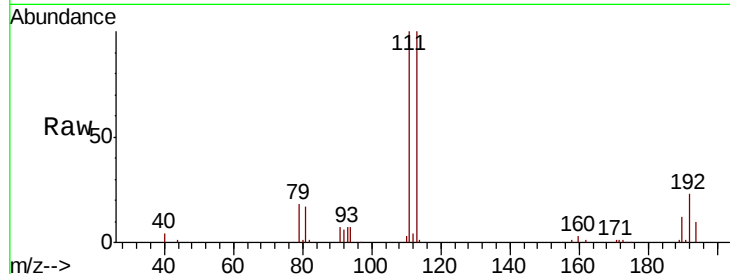




#35
 Dibromofluoromethane
 Concen: 53.729 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065646.D
 Acq: 17 Apr 2020 15:58

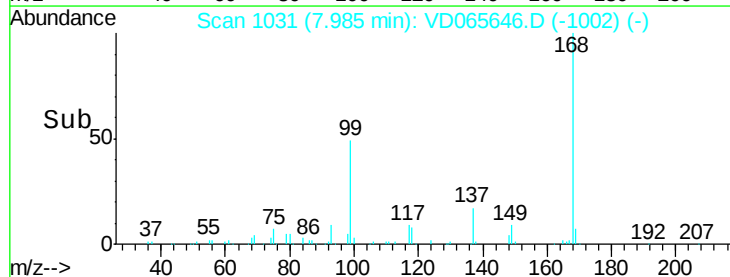
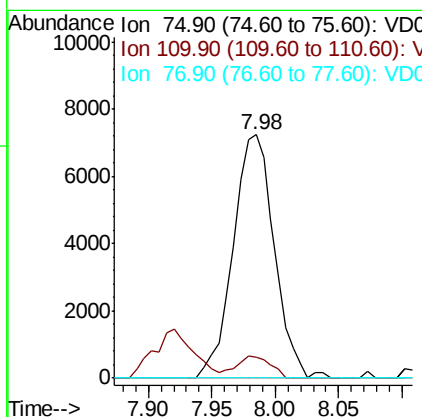
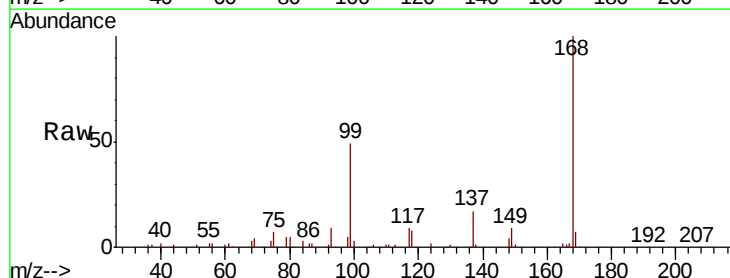
Instrument :
 MSVOA_D
 ClientSampleId :

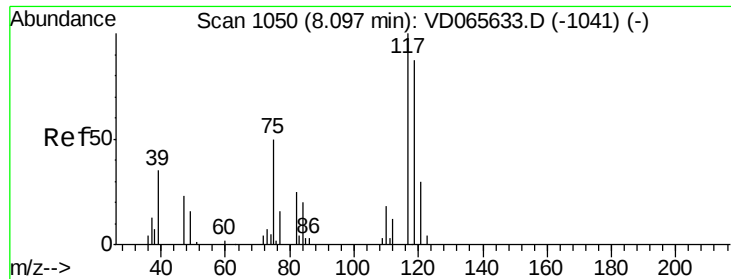
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.9	122.9
192	23.1	18.9	28.3



#36
 1,1-Dichloropropene
 Concen: 4.736 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065646.D
 Acq: 17 Apr 2020 15:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	18.3	54.8#
77	0.0	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 5.499 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065646.D

Acq: 17 Apr 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

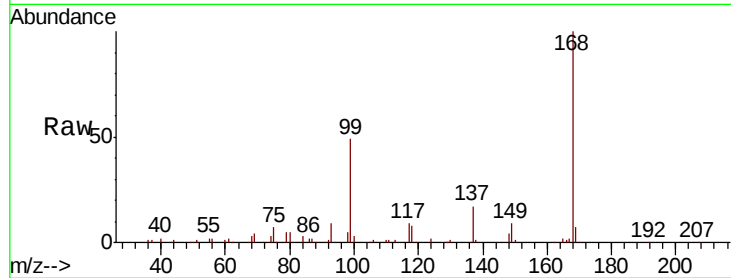
Tot Ion:117 Resp: 20176

Ion Ratio Lower Upper

117 100

119 4.8 75.3 112.9#

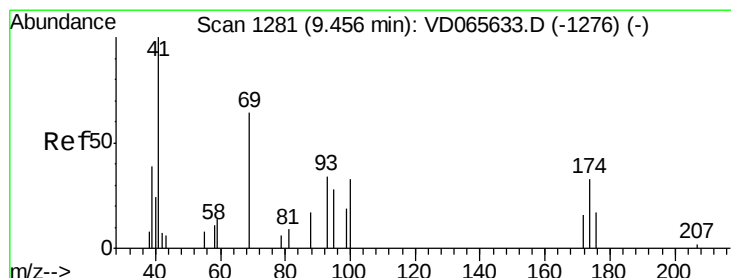
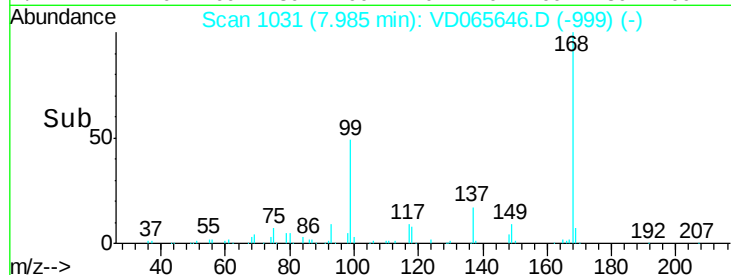
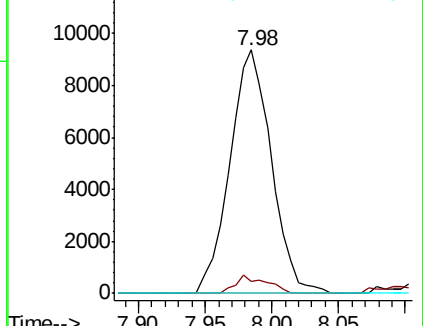
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#48

Methyl methacrylate

Concen: 1.833 ug/l

RT: 9.35 min Scan# 1263

Delta R.T. -0.11 min

Lab File: VD065646.D

Acq: 17 Apr 2020 15:58

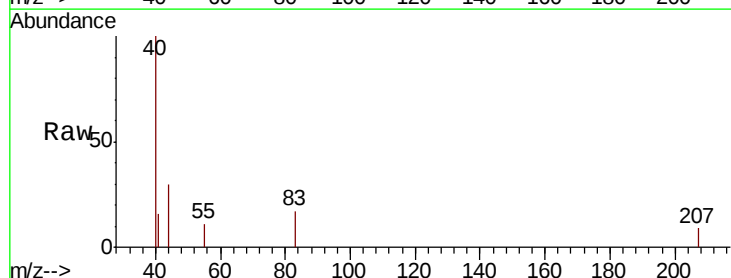
Tgt Ion: 41 Resp: 156

Ion Ratio Lower Upper

41 100

69 0.0 66.8 100.2#

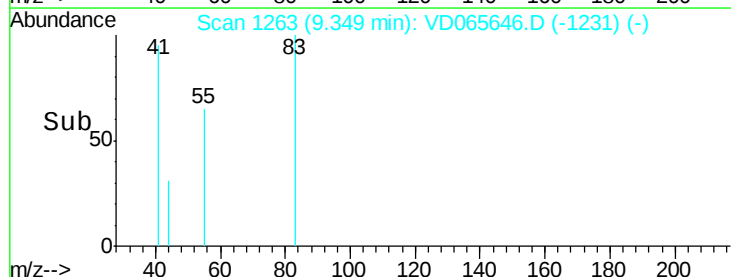
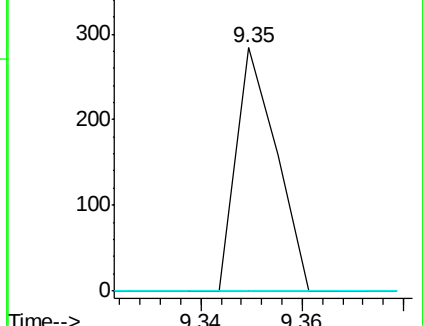
39 0.0 39.6 59.4#

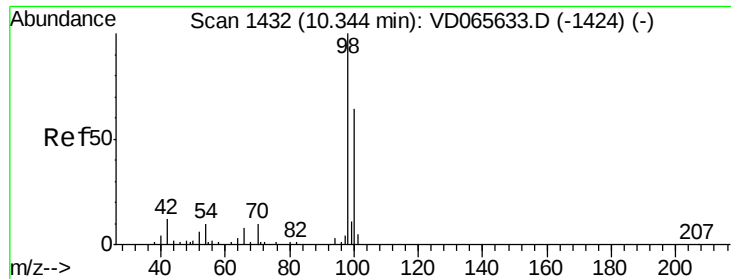


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#50

Toluene-d8

Concen: 53.266 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065646.D

Acq: 17 Apr 2020 15:58

Instrument :

MSVOA_D

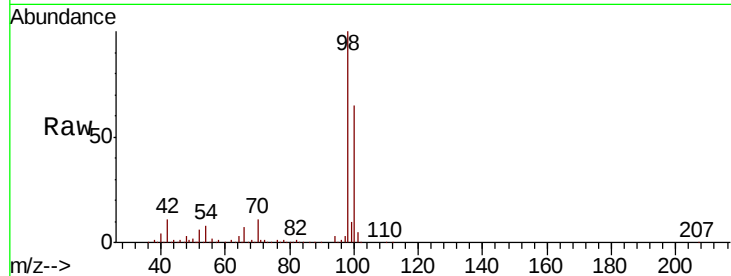
ClientSampled :

Tot Ion: 98 Resp: 433557

Ion Ratio Lower Upper

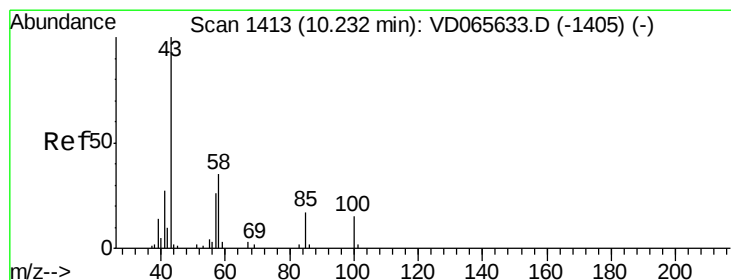
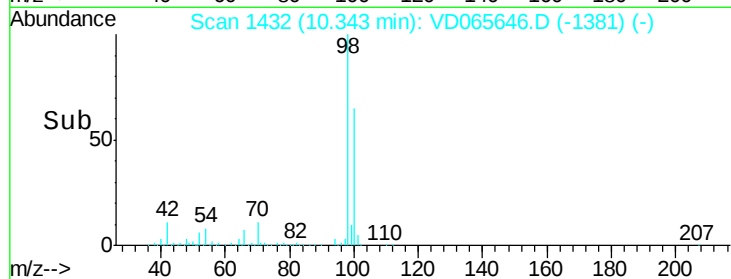
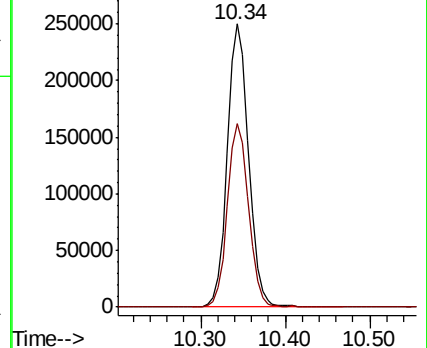
98 100

100 64.7 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: 10.927 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD065646.D

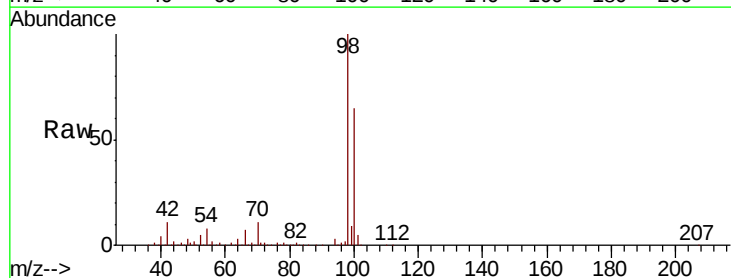
Acq: 17 Apr 2020 15:58

Tgt Ion: 43 Resp: 1786

Ion Ratio Lower Upper

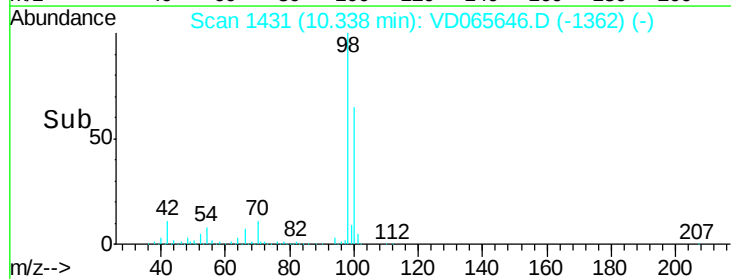
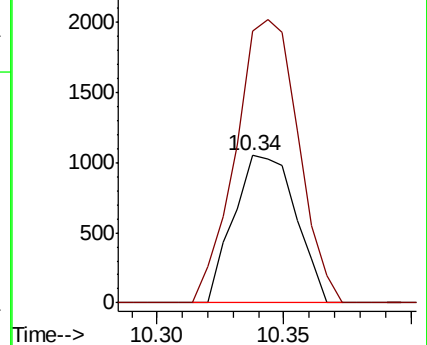
43 100

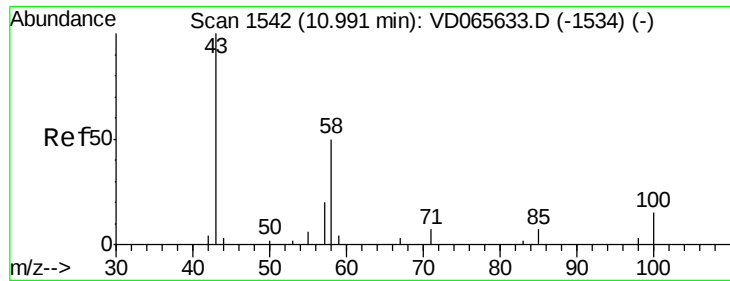
58 194.5 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#59

2-Hexanone

Concen: 10.095 ug/l

RT: 11.00 min Scan# 1543

Delta R.T. 0.01 min

Lab File: VD065646.D

Acq: 17 Apr 2020 15:58

Instrument :

MSVOA_D

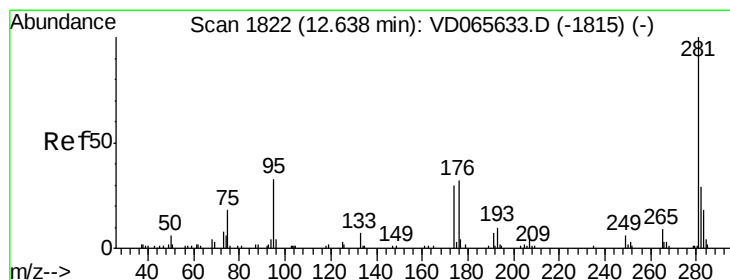
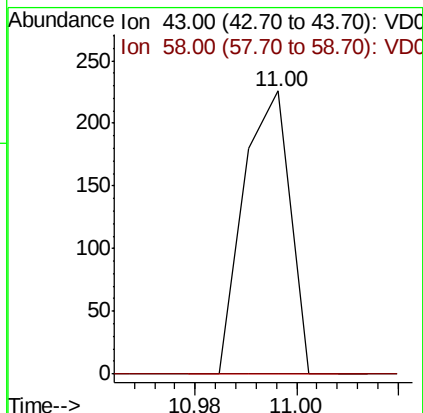
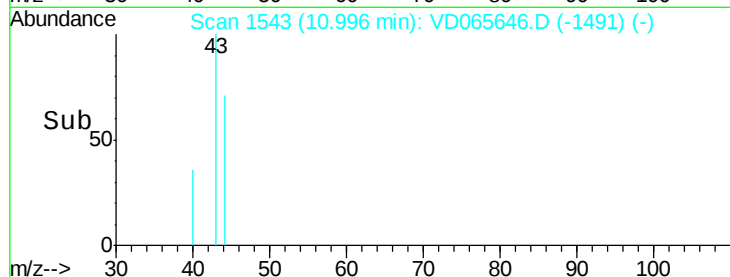
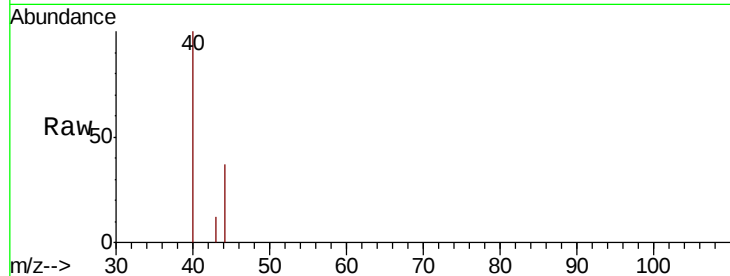
ClientSampleId :

Tot Ion: 43 Resp: 143

Ion Ratio Lower Upper

43 100

58 0.0 26.5 79.4#



#62

4-Bromofluorobenzene

Concen: 50.605 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065646.D

Acq: 17 Apr 2020 15:58

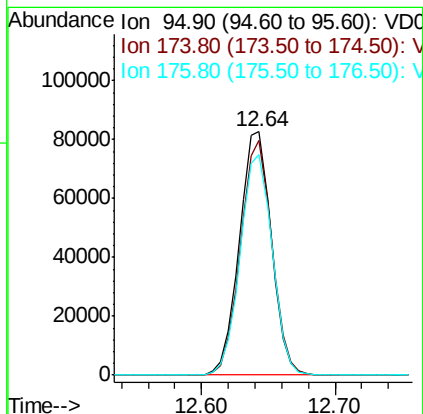
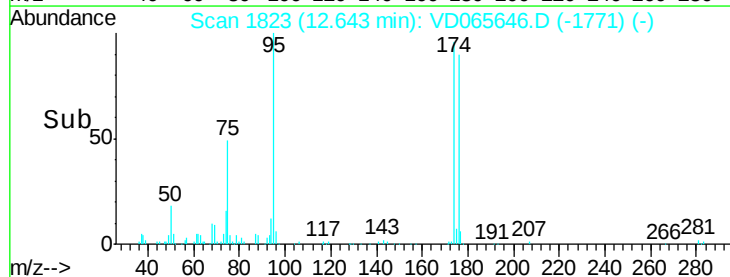
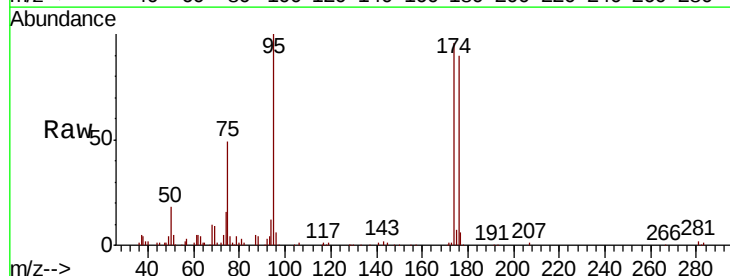
Tgt Ion: 95 Resp: 137057

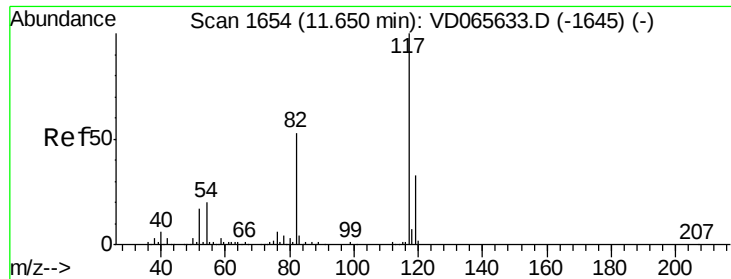
Ion Ratio Lower Upper

95 100

174 94.1 0.0 183.8

176 90.6 0.0 181.4

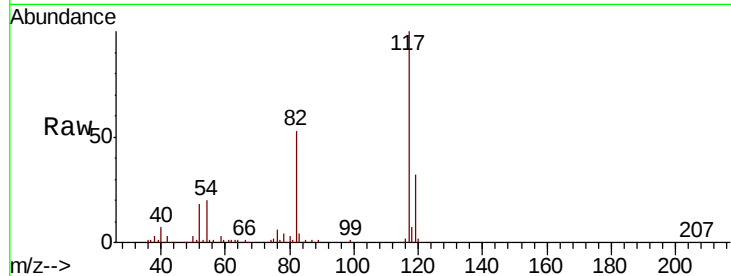




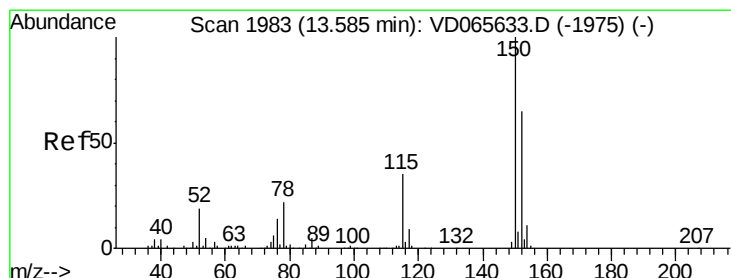
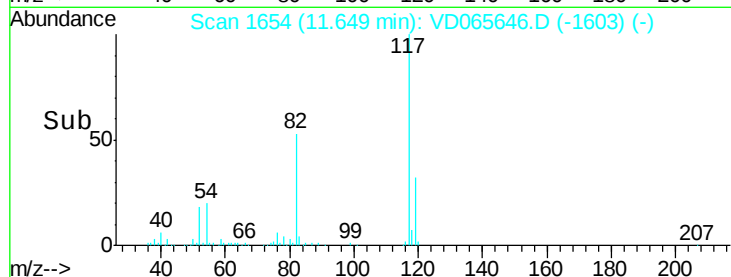
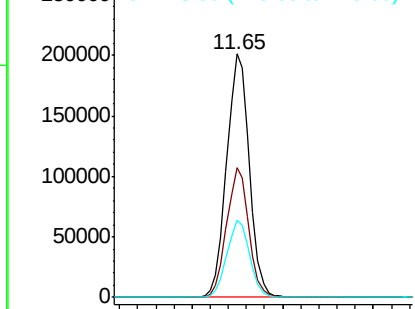
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065646.D
Acq: 17 Apr 2020 15:58

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 349135
Ion Ratio Lower Upper
117 100
82 53.0 43.2 64.8
119 31.8 26.2 39.4

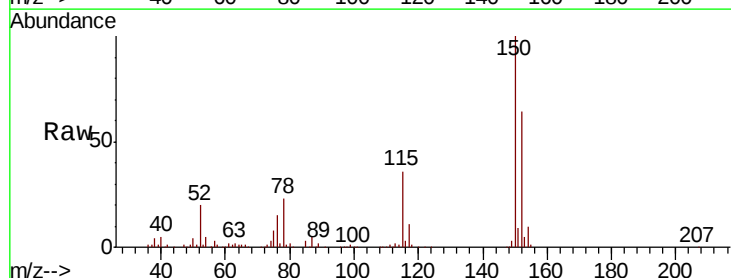


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

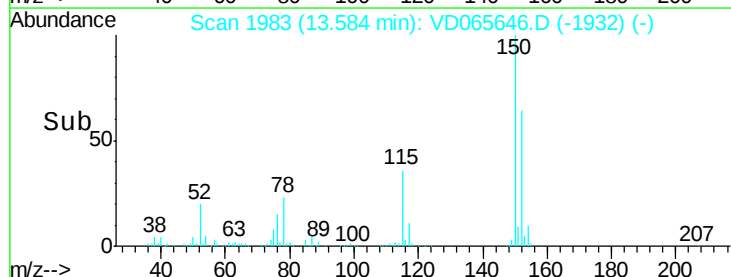
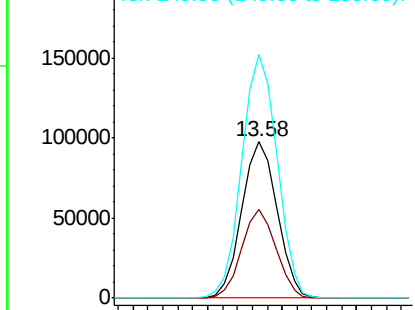


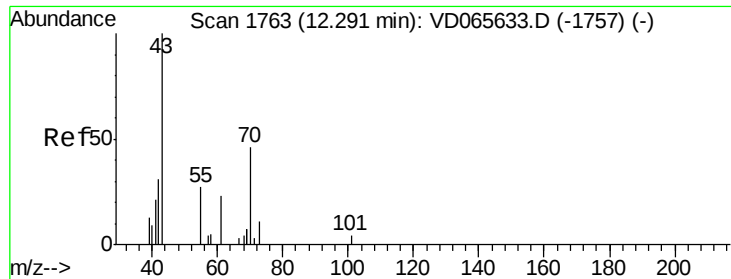
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065646.D
Acq: 17 Apr 2020 15:58

Tgt Ion:152 Resp: 161193
Ion Ratio Lower Upper
152 100
115 55.0 27.6 82.7
150 154.9 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-amvl acetate

Concen: 2.833 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065646.D

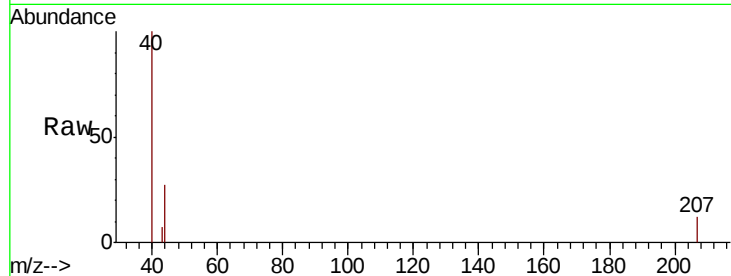
Acq: 17 Apr 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:	43	Resp:	55
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#

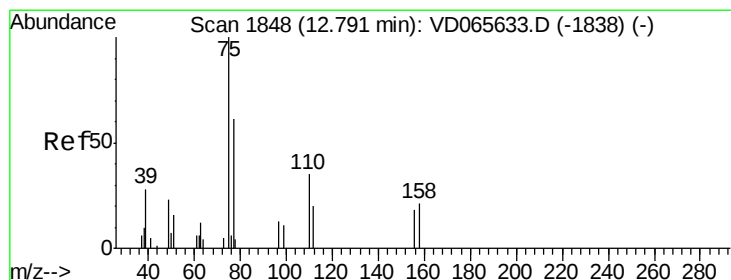
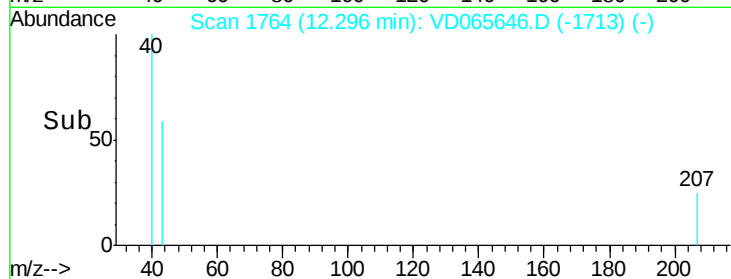
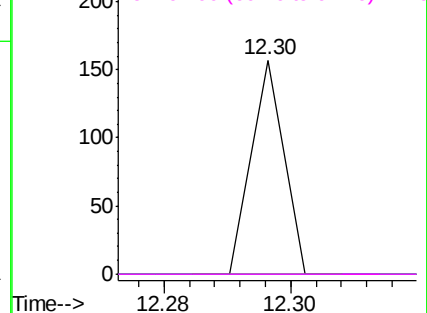


Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 51.349 ug/l

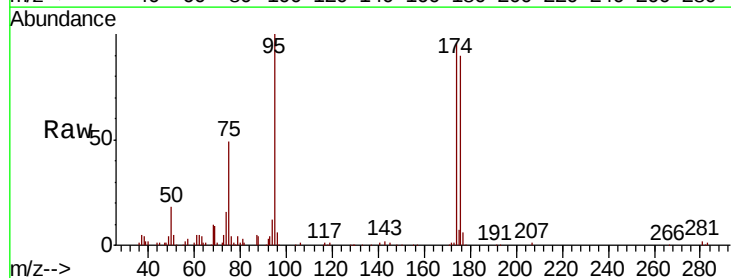
RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065646.D

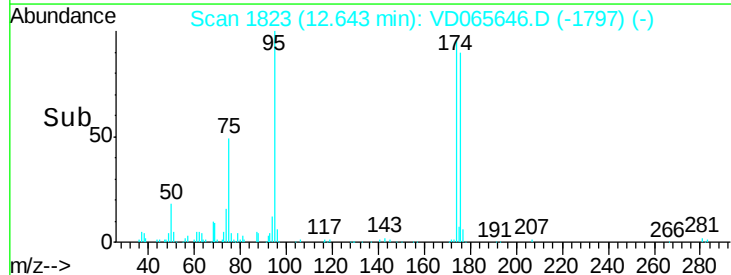
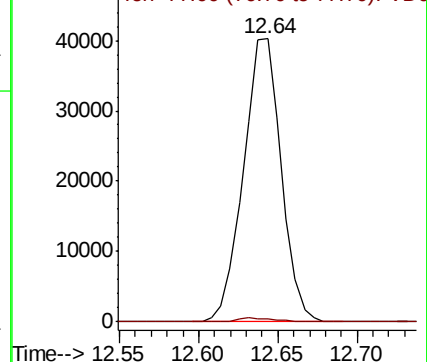
Acq: 17 Apr 2020 15:58

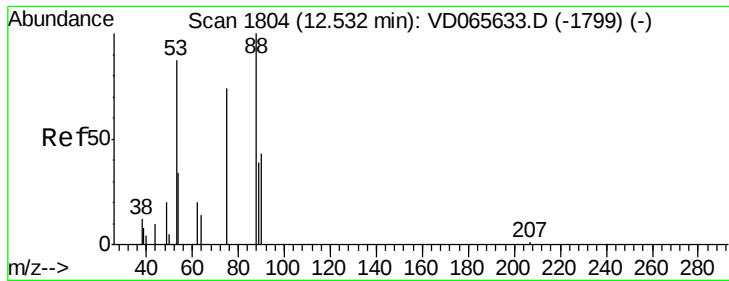
Tgt Ion:	75	Resp:	66550
Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 112.537 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065646.D

Acq: 17 Apr 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

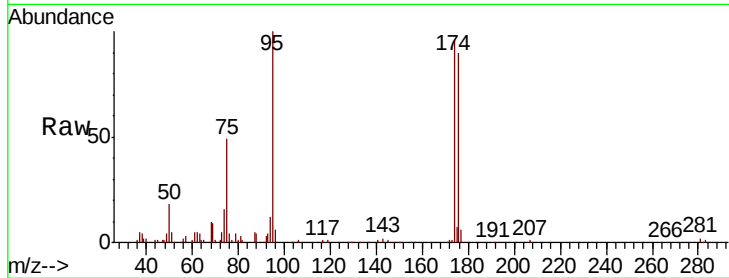
Tot Ion: 75 Resp: 66550

Ion Ratio Lower Upper

75 100

53 0.1 76.8 115.2#

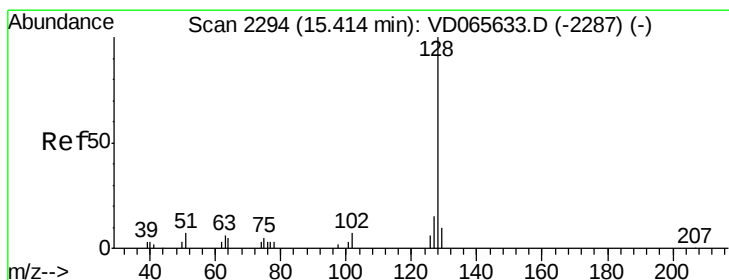
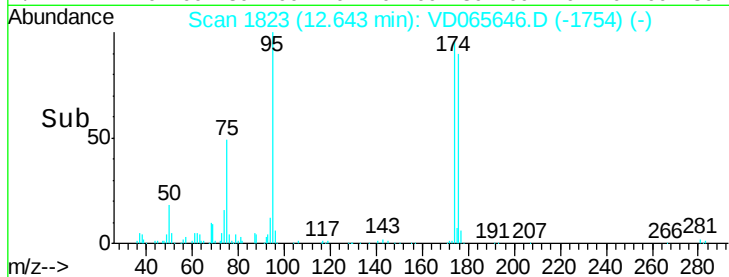
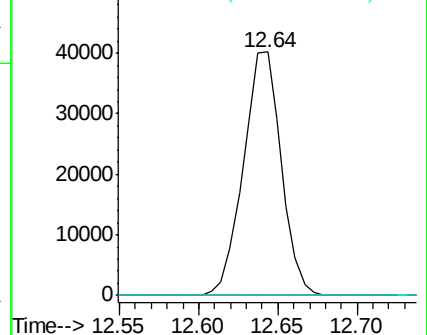
89 0.0 36.1 54.1#



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



#95

Naphthalene

Concen: 4.221 ug/l

RT: 15.42 min Scan# 2295

Delta R.T. 0.01 min

Lab File: VD065646.D

Acq: 17 Apr 2020 15:58

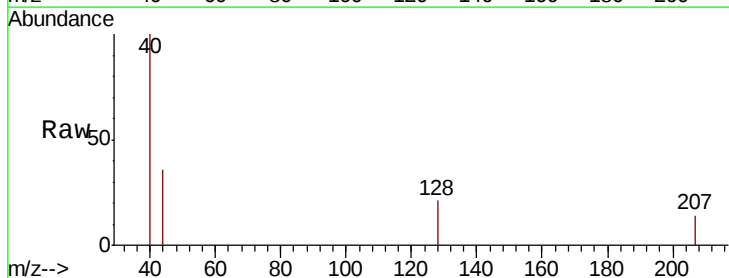
Tgt Ion: 128 Resp: 646

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 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

