

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 :
 TP-1-S2

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%	

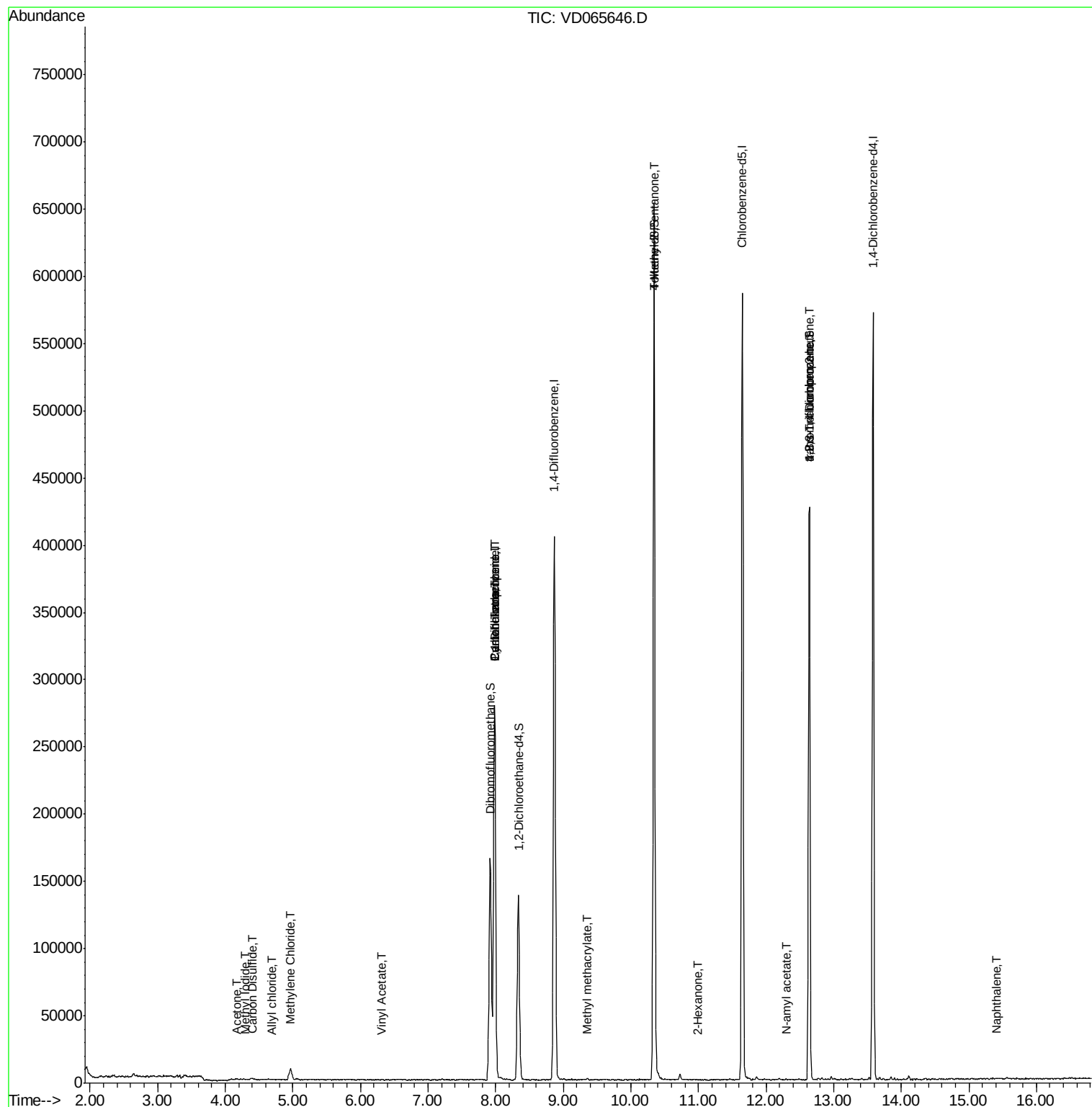
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	242	7.431	ug/l #	38
14) Allyl chloride	4.70	41	134	4.010	ug/l #	19
16) Acetone	4.17	43	931	3.444	ug/l #	46
17) Carbon Disulfide	4.40	76	1542	6.254	ug/l #	75
20) Methylene Chloride	4.96	84	6523	2.062	ug/l	98
23) Vinyl Acetate	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

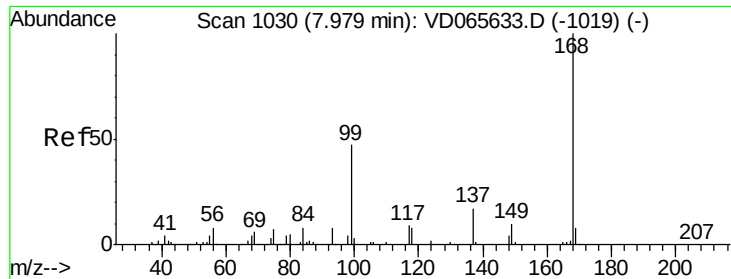
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

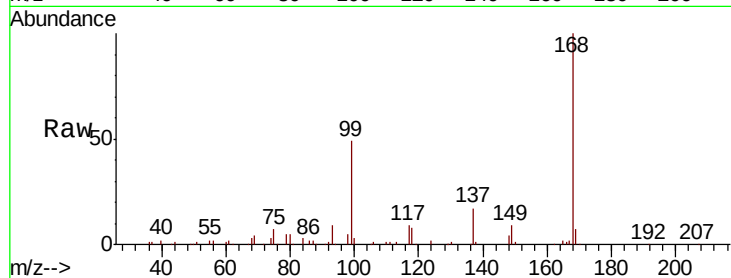
TP-1-S2

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

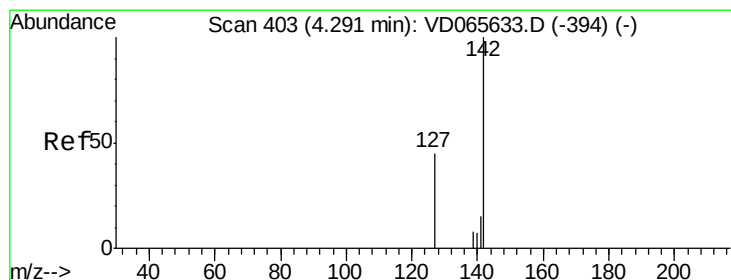
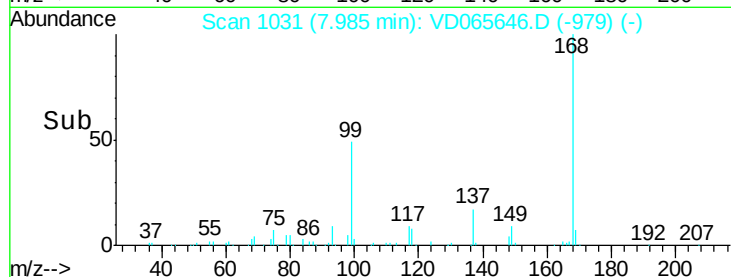
40000

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

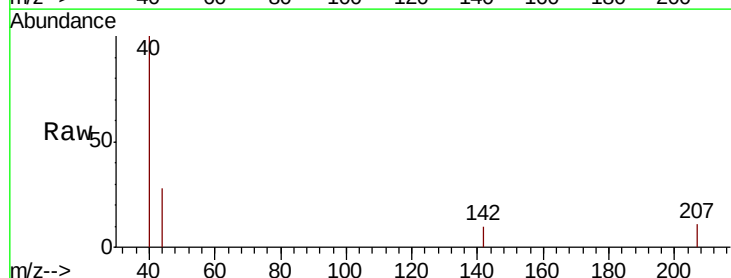
Tgt Ion:142 Resp: 242

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

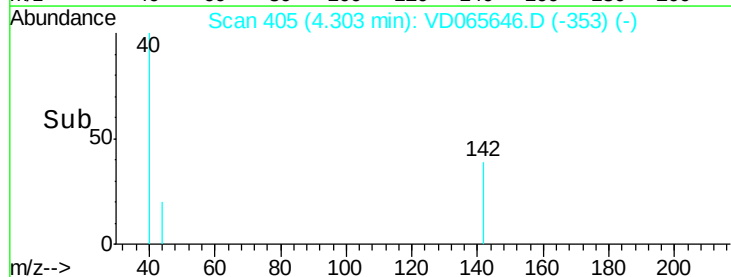
100

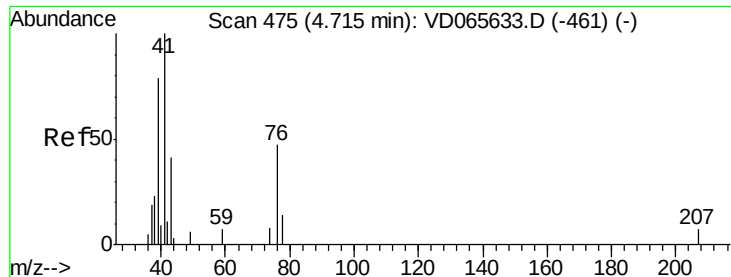
50

0

Time-->

4.26 4.28 4.30 4.32

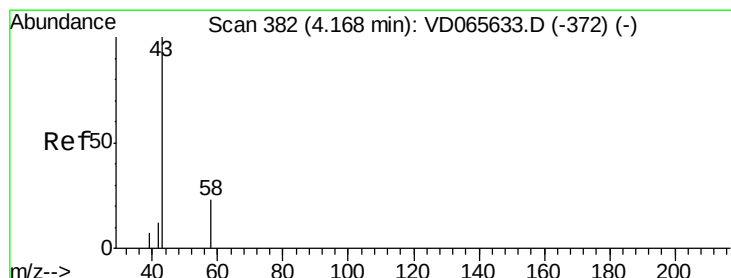
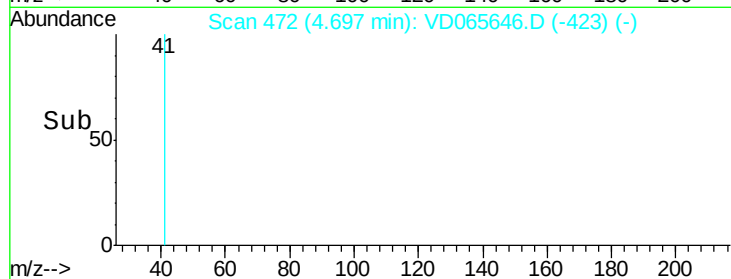
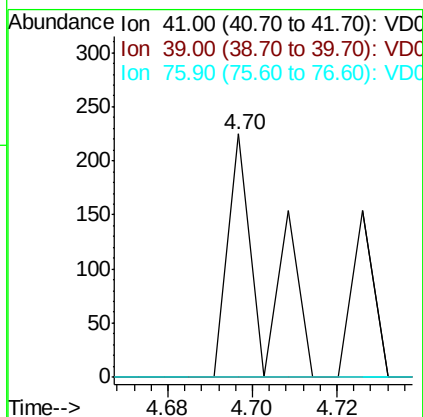
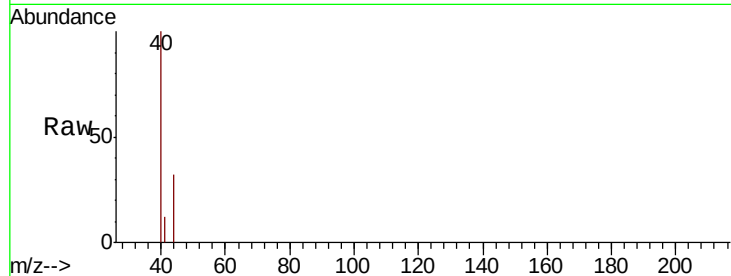




#14
Allvl chloride
Concen: 4.010 ug/l
RT: 4.70 min Scan# 472
Delta R.T. -0.01 min
Lab File: VD065646.D
Acq: 17 Apr 2020 15:58

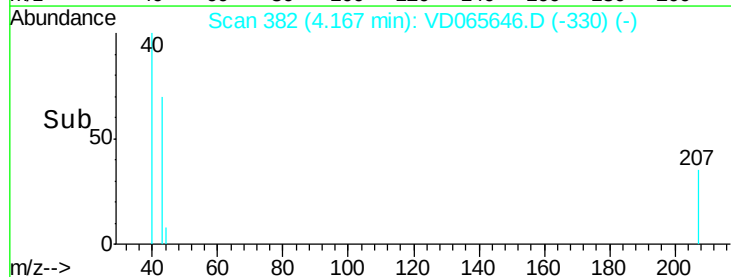
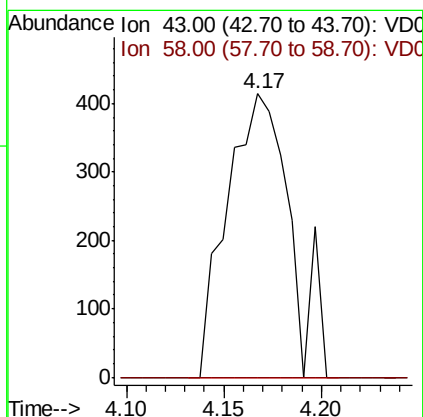
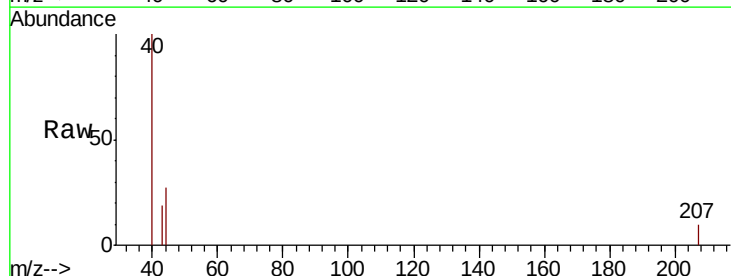
Instrument :
MSVOA_D
ClientSampleId :
TP-1-S2

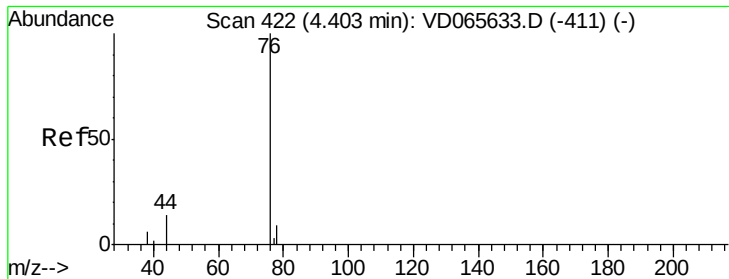
Tot Ion: 41 Resp: 134
Ion Ratio Lower Upper
41 100
39 0.0 62.5 93.7#
76 0.0 29.1 43.7#



#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 :

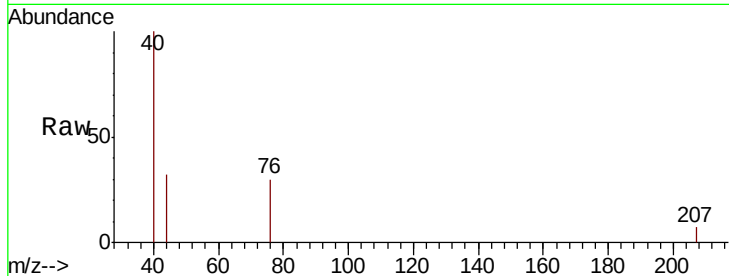
TP-1-S2

Tot Ion: 76 Resp: 1542

Ion Ratio Lower Upper

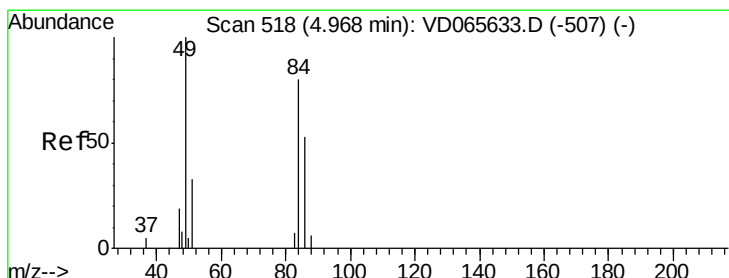
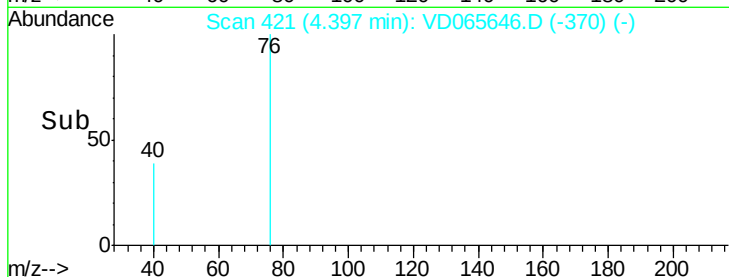
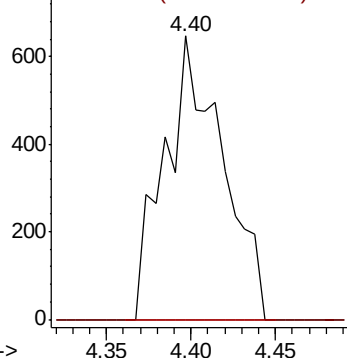
76 100

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



#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

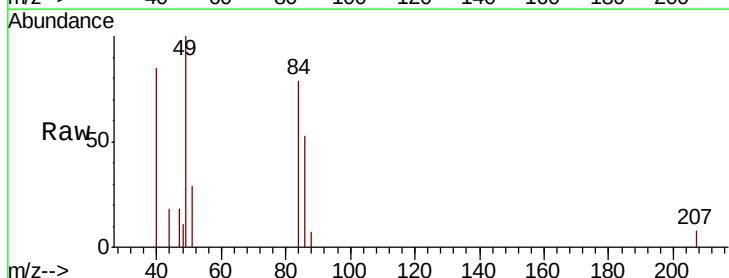
Ion Ratio Lower Upper

84 100

49 126.4 102.0 153.0

51 37.1 30.8 46.2

86 67.2 51.0 76.4

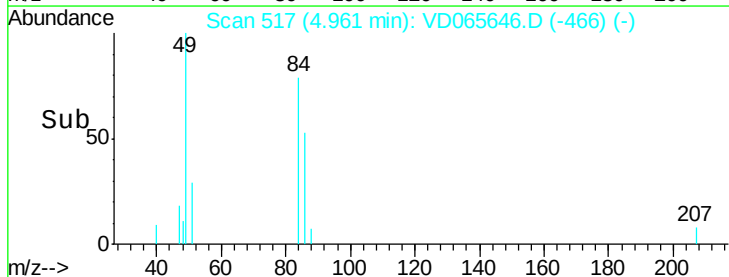
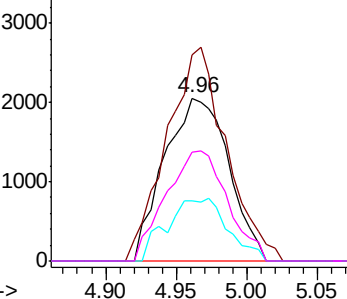


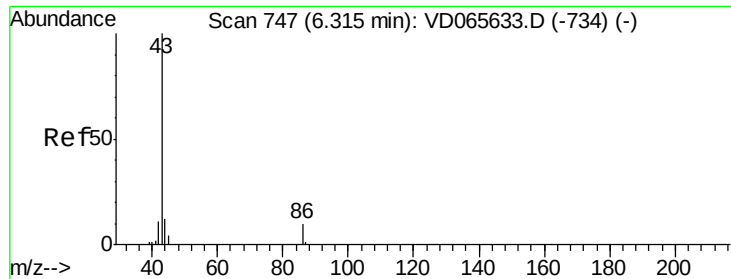
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#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 :

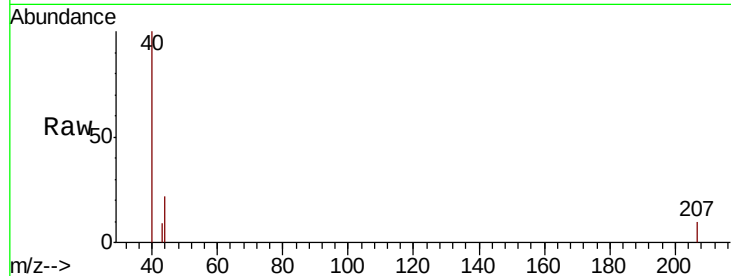
TP-1-S2

Tot Ion: 43 Resp: 182

Ion Ratio Lower Upper

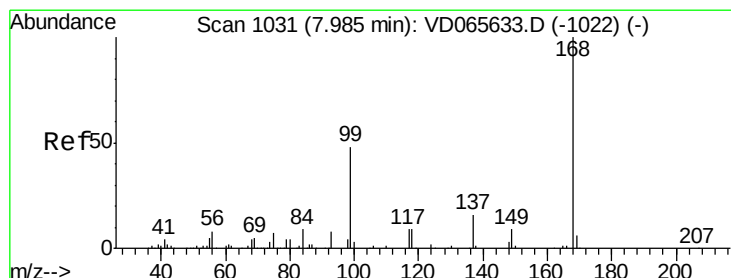
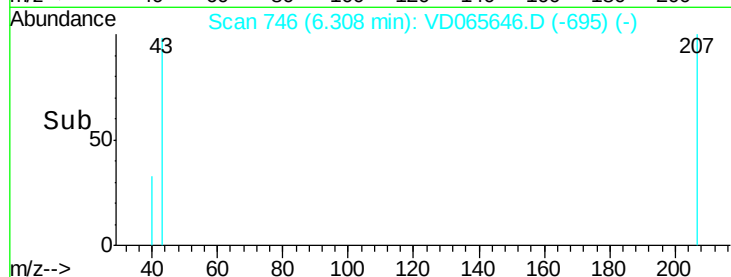
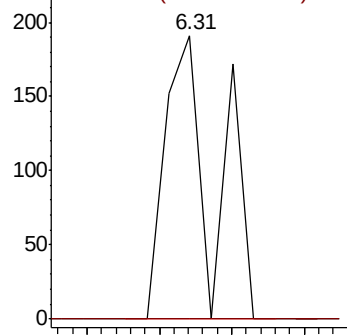
43 100

86 0.0 8.7 13.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#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

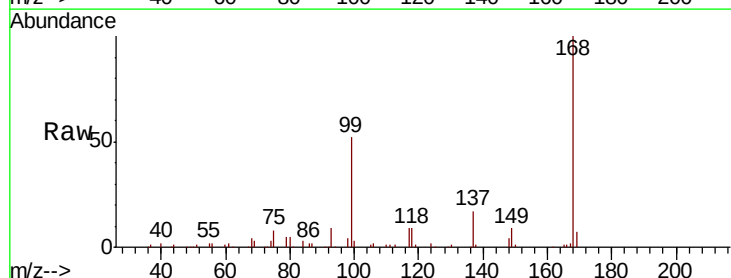
Tgt Ion: 56 Resp: 4700

Ion Ratio Lower Upper

56 100

69 153.2 26.6 40.0#

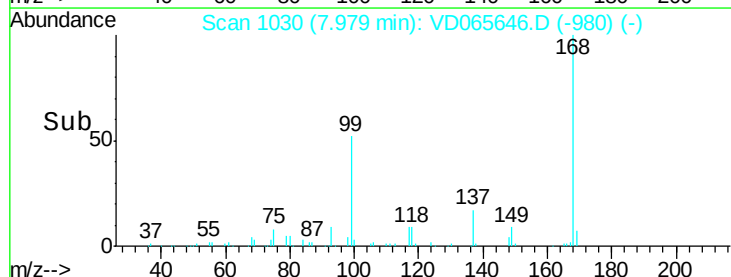
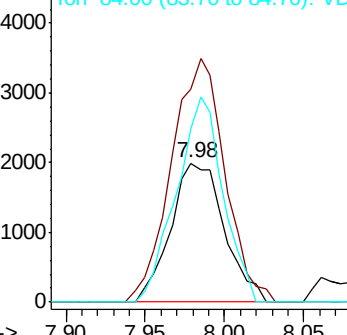
84 124.6 75.3 112.9#

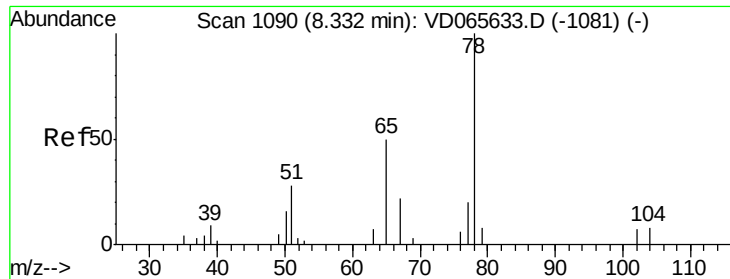


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

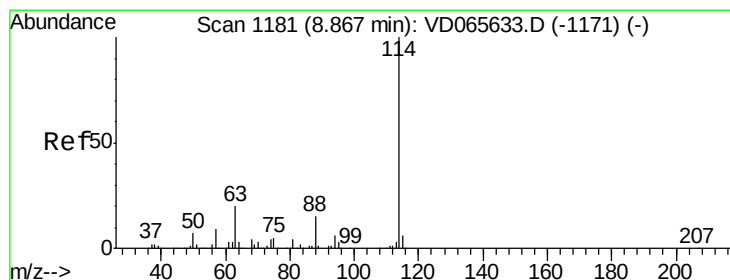
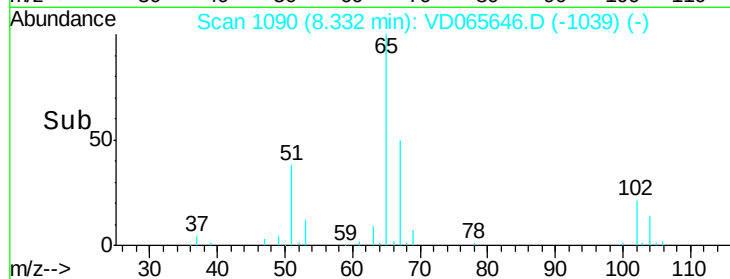
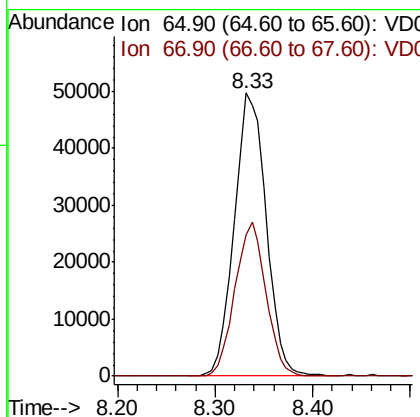
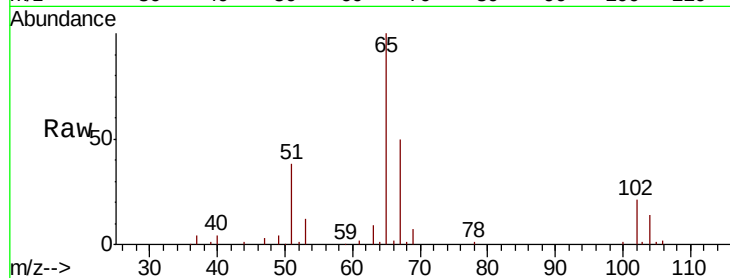




#33
 1,2-Dichloroethane-d4
 Concen: 59.645 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065646.D
 Acq: 17 Apr 2020 15:58

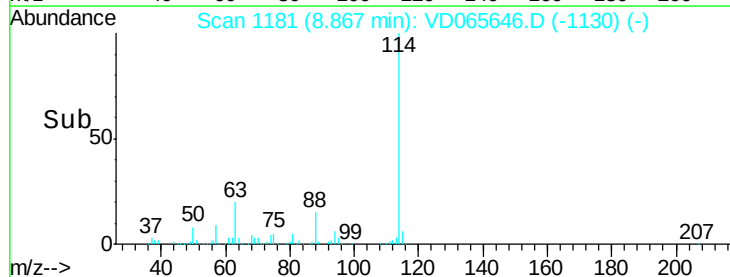
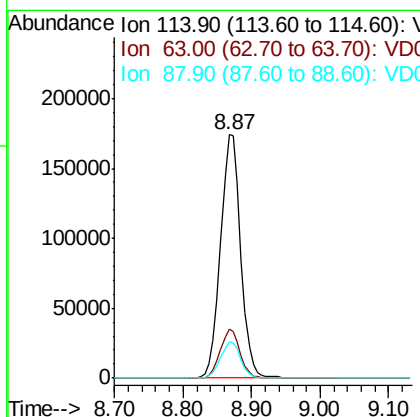
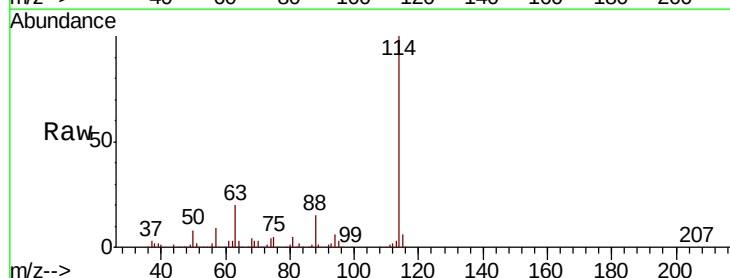
Instrument :
 MSVOA_D
 ClientSampled :
 TP-1-S2

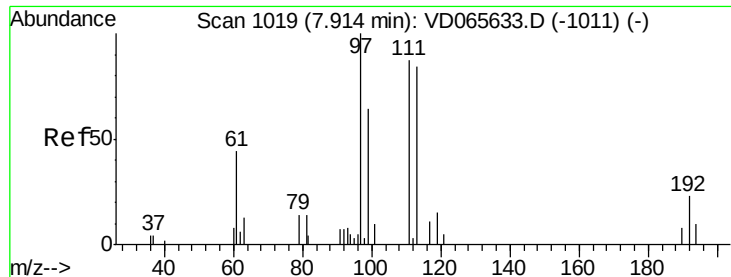
Tot Ion: 65 Resp: 112742
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.8



#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 :

TP-1-S2

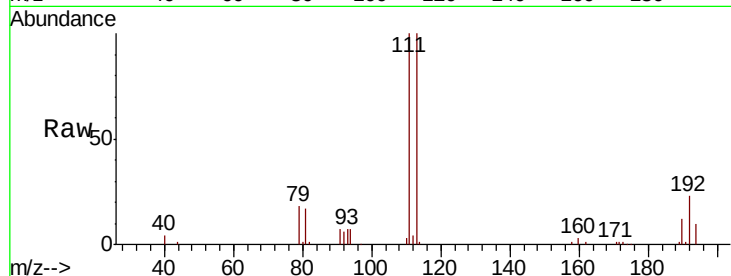
Tot Ion:113 Resp: 118633

Ion Ratio Lower Upper

113 100

111 102.5 81.9 122.9

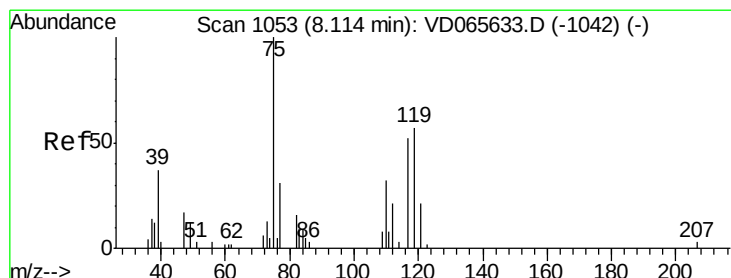
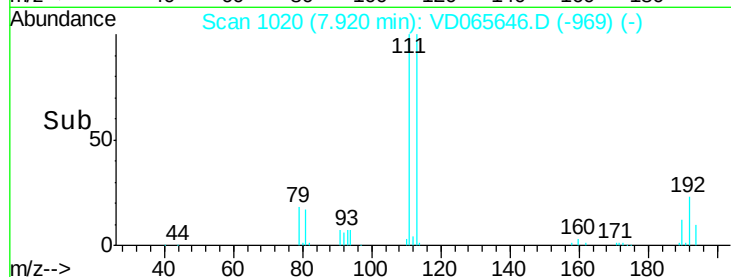
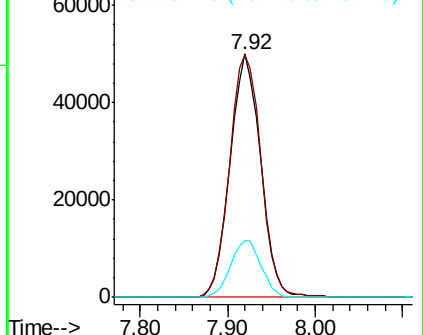
192 23.1 18.9 28.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#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

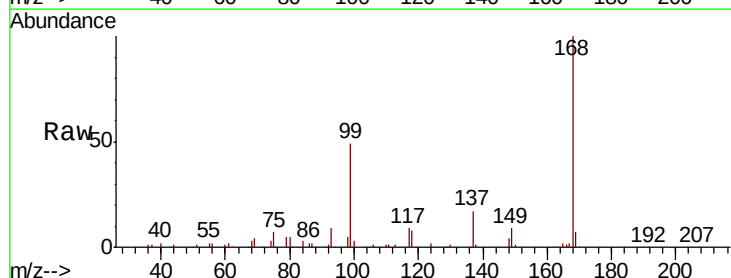
Tgt Ion: 75 Resp: 16224

Ion Ratio Lower Upper

75 100

110 7.6 18.3 54.8#

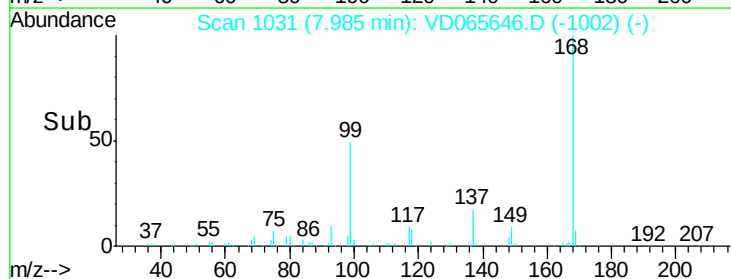
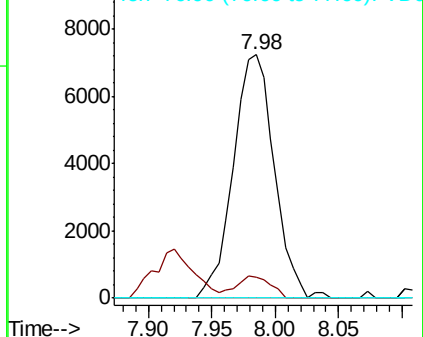
77 0.0 24.6 37.0#

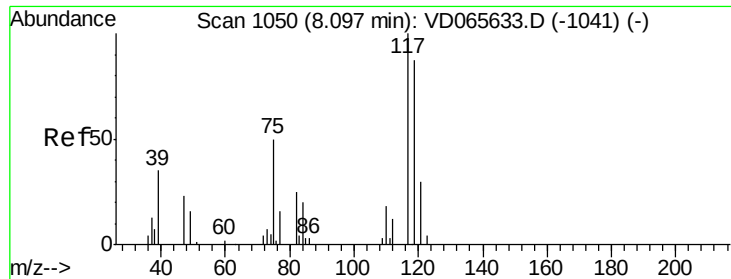


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#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 :

TP-1-S2

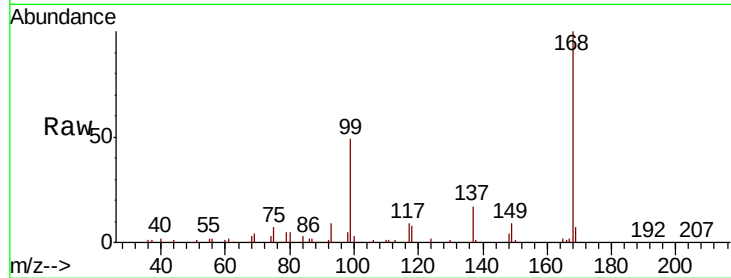
Tot Ion:117 Resp: 20176

Ion Ratio Lower Upper

117 100

119 4.8 75.3 112.9#

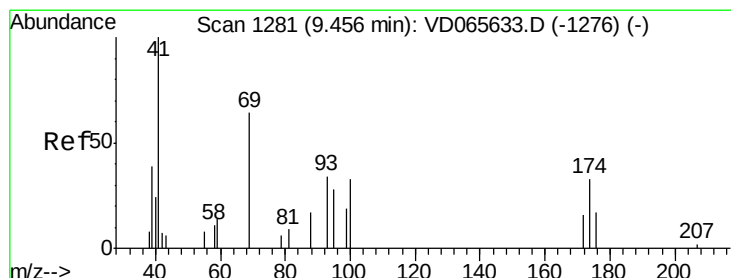
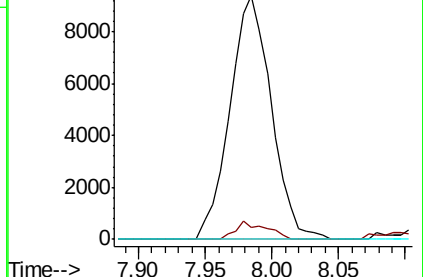
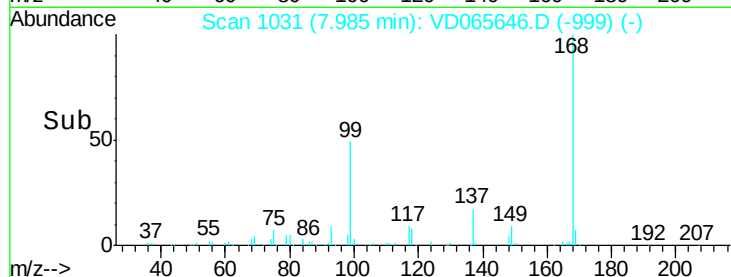
121 0.0 24.9 37.3#



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

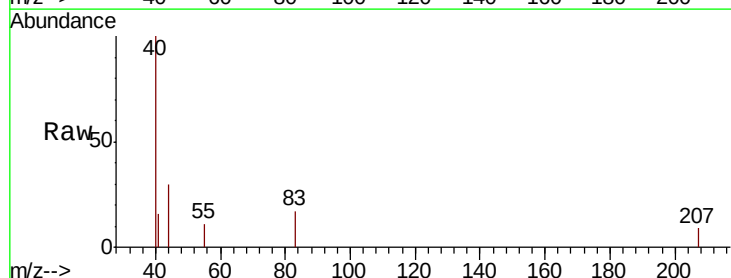
Tgt Ion: 41 Resp: 156

Ion Ratio Lower Upper

41 100

69 0.0 66.8 100.2#

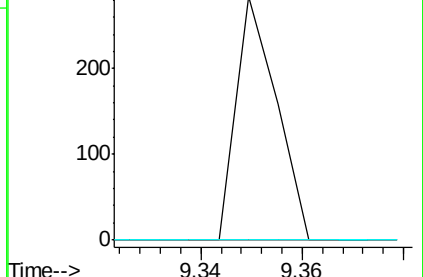
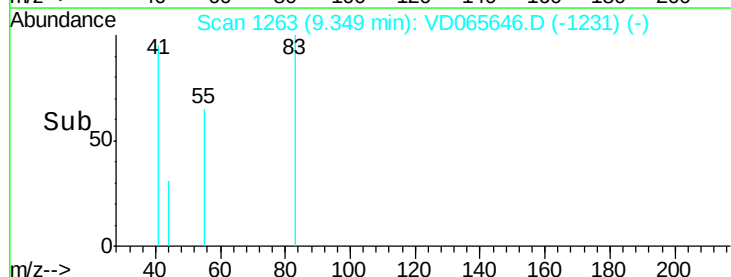
39 0.0 39.6 59.4#

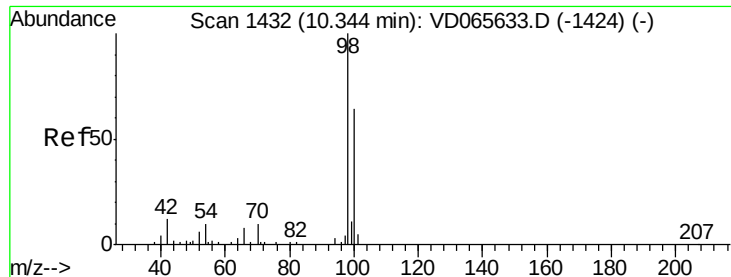


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

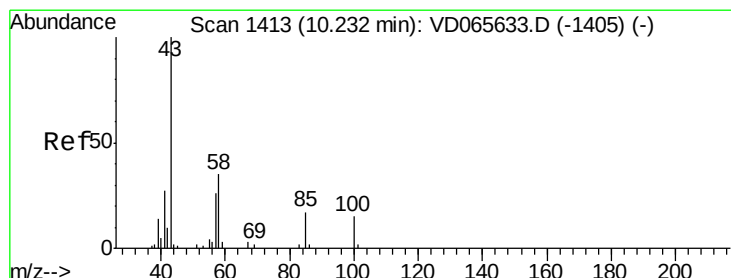
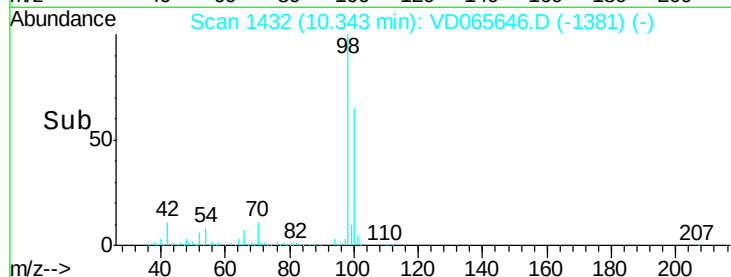
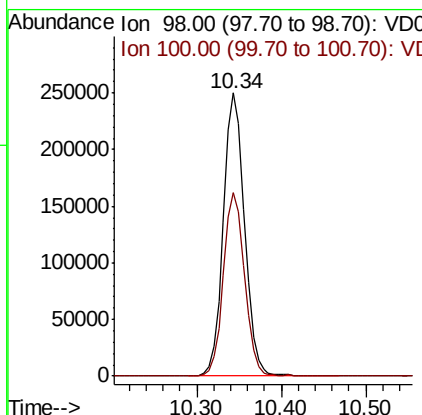
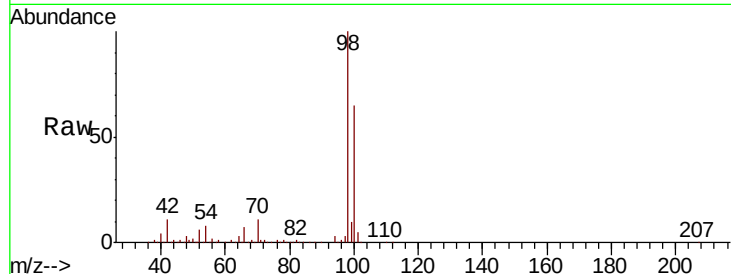




#50
Toluene-d8
Concen: 53.266 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065646.D
Acq: 17 Apr 2020 15:58

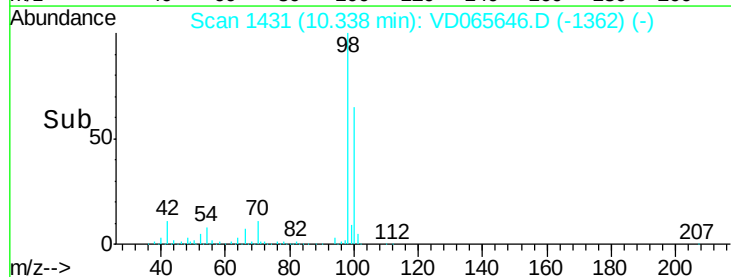
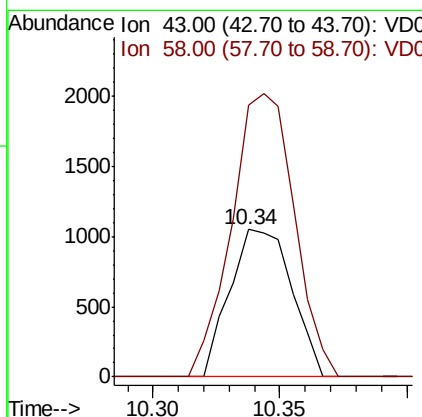
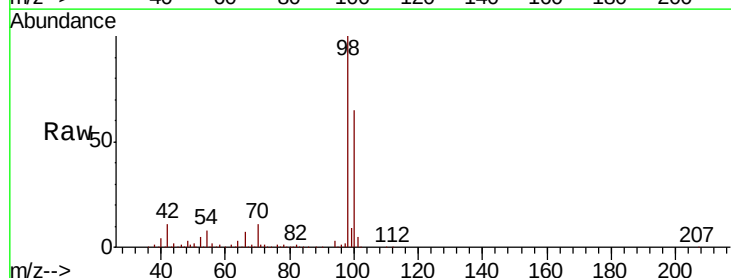
Instrument :
MSVOA_D
ClientSampleId :
TP-1-S2

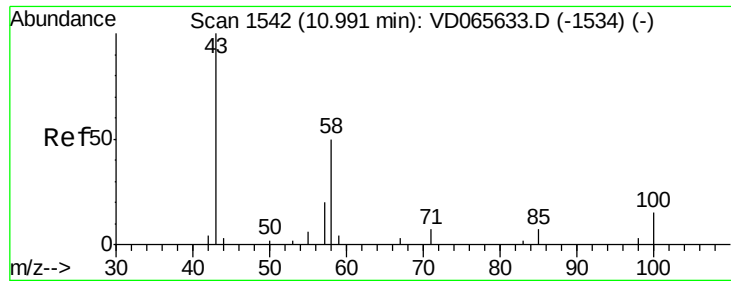
Tot Ion: 98 Resp: 433557
Ion Ratio Lower Upper
98 100
100 64.7 52.4 78.6



#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#

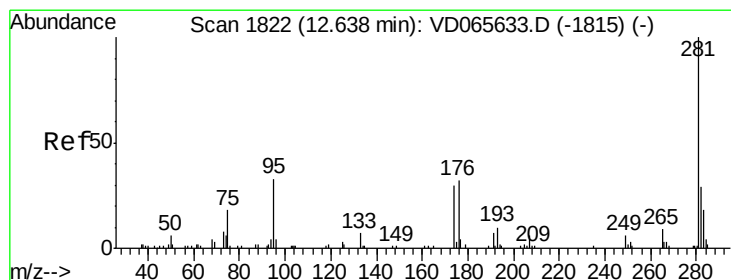
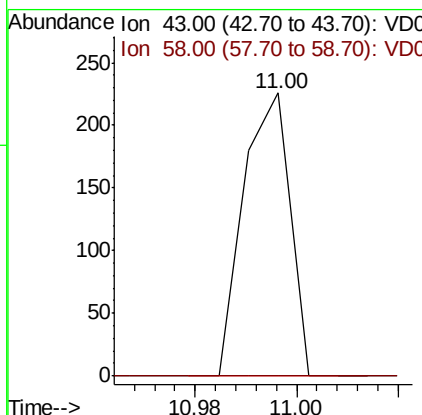
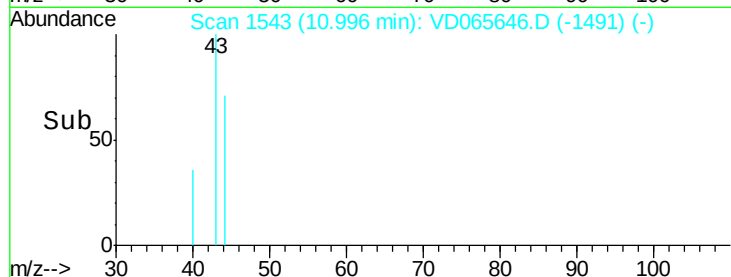
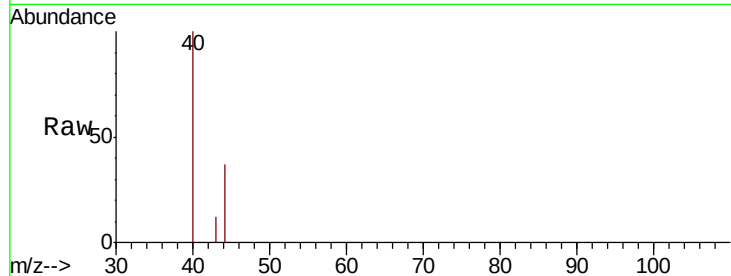




#59
2-Hexanone
Concen: 10.095 ug/l
RT: 11.00 min Scan# 1543
Delta R.T. 0.01 min
Lab File: VD065646.D
Acq: 17 Apr 2020 15:58

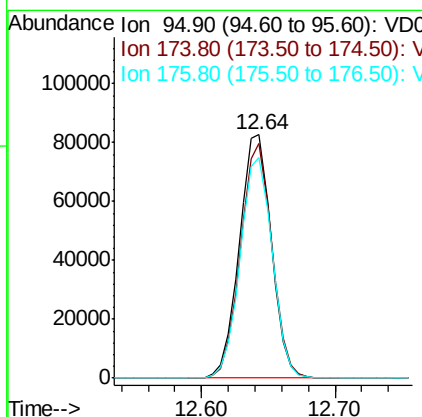
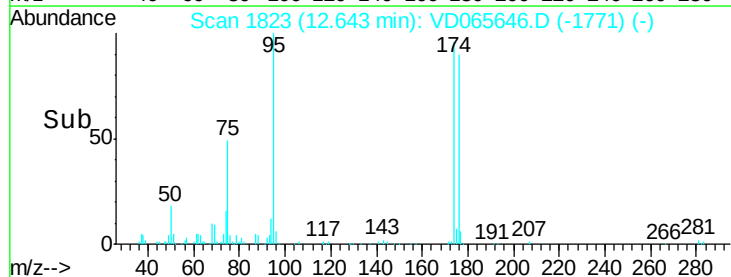
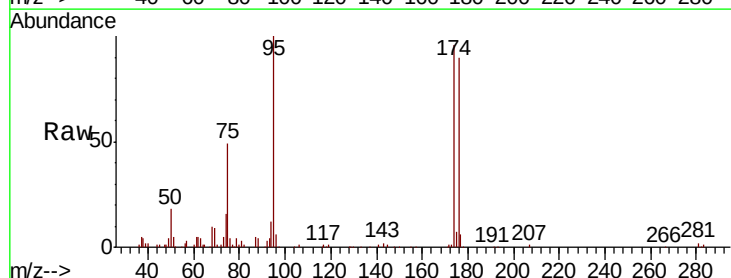
Instrument :
MSVOA_D
ClientSampleId :
TP-1-S2

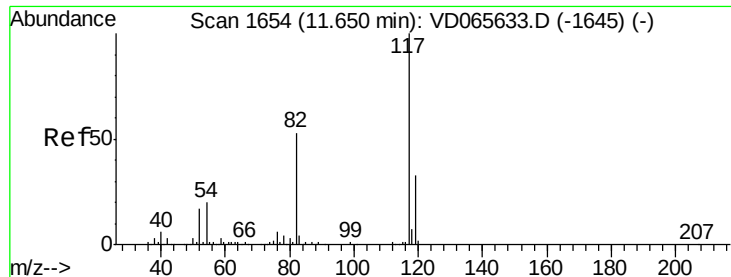
Tot Ion: 43 Resp: 143
Ion Ratio Lower Upper
43 100
58 0.0 26.5 79.4#



#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

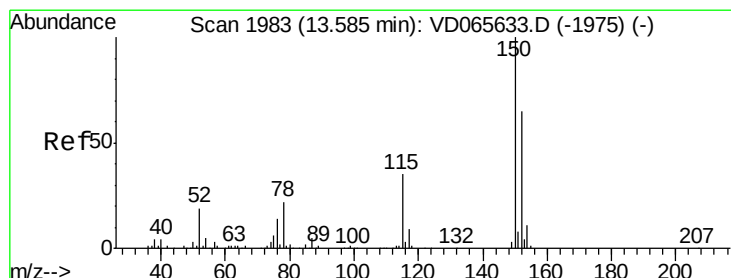
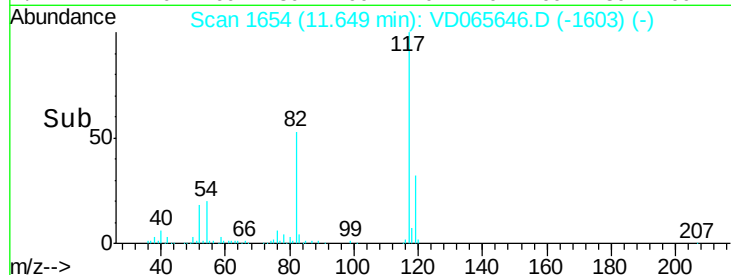
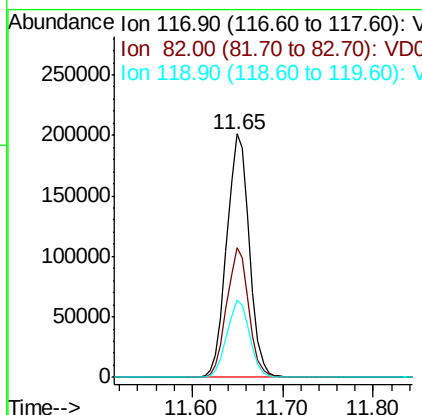
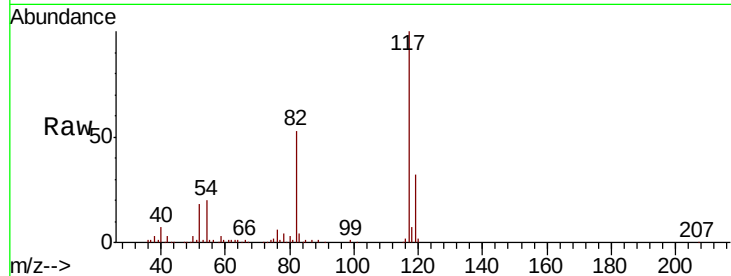




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065646.D
Acq: 17 Apr 2020 15:58

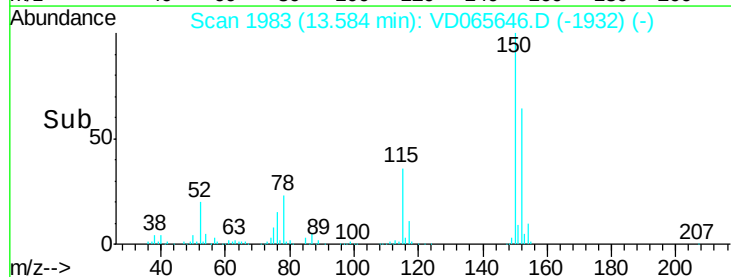
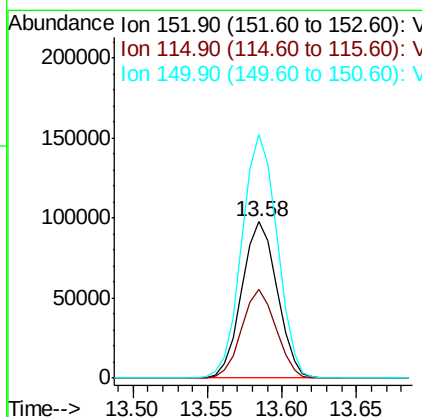
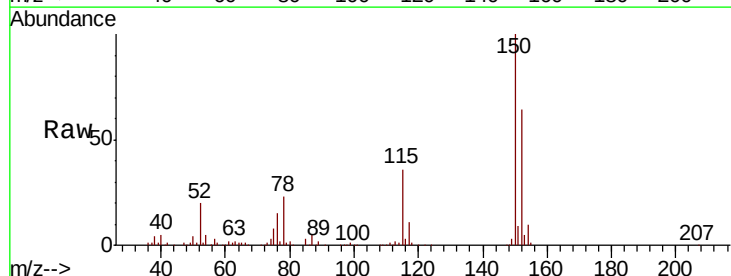
Instrument :
MSVOA_D
ClientSampleId :
TP-1-S2

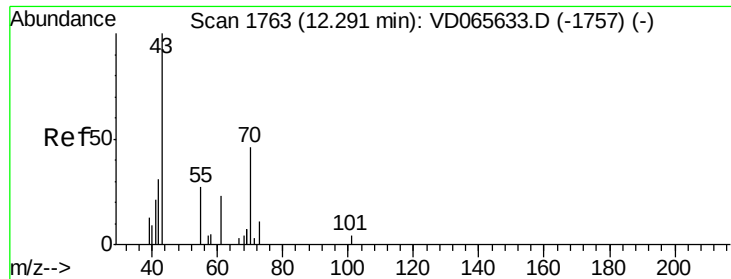
Tot Ion:117 Resp: 349135
Ion Ratio Lower Upper
117 100
82 53.0 43.2 64.8
119 31.8 26.2 39.4



#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

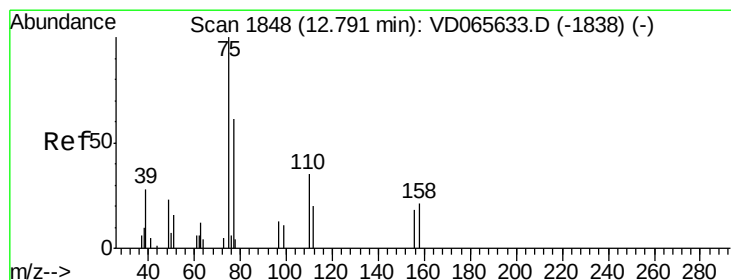
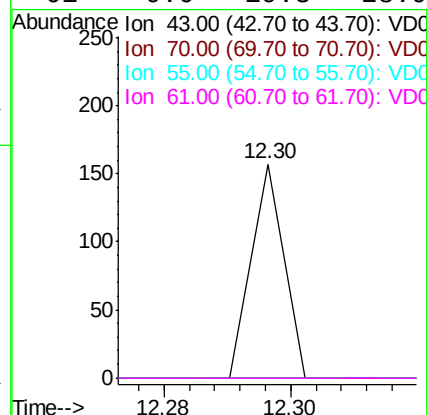
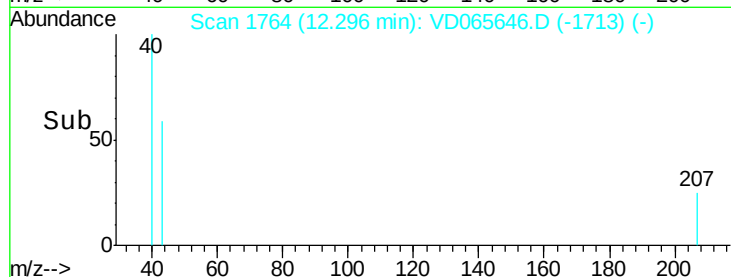
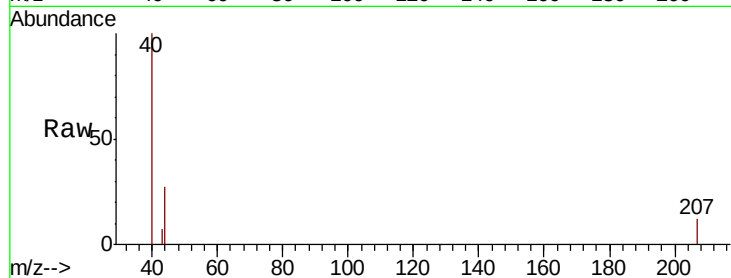




#74
N-amvl acetate
Concen: 2.833 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065646.D
Acq: 17 Apr 2020 15:58

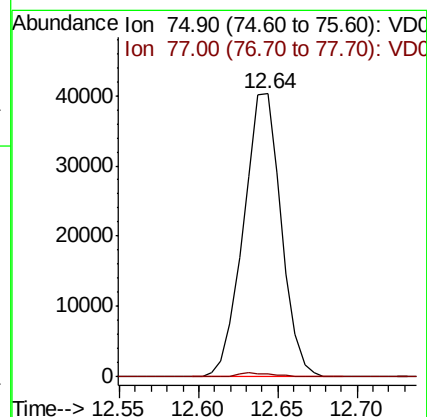
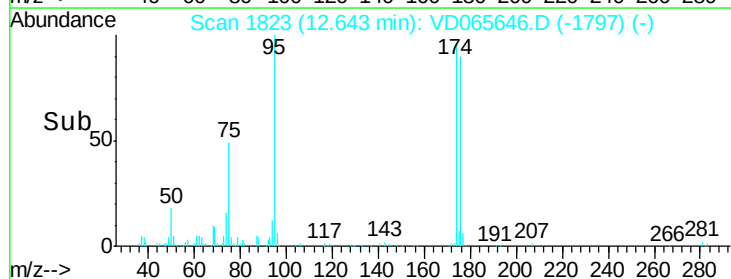
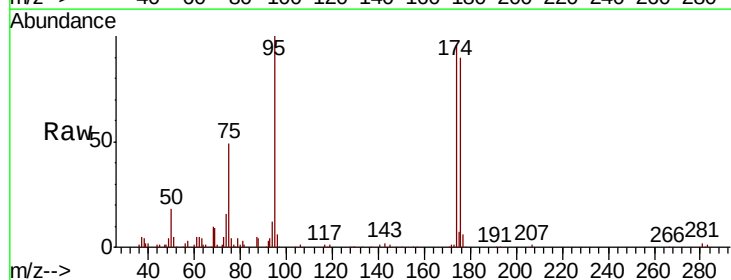
Instrument :
MSVOA_D
ClientSampleId :
TP-1-S2

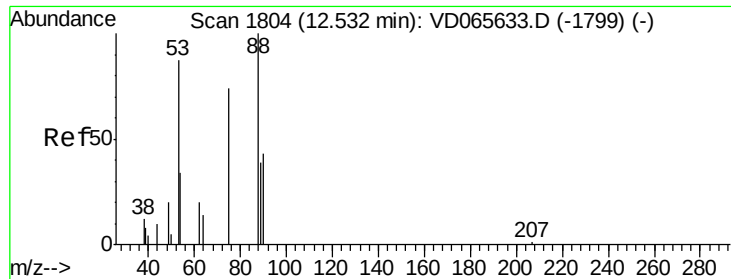
Tot Ion:	43	Resp:	55
Ion	Ratio	Lower	Upper
43	100		
70	0.0	35.4	53.0#
55	0.0	22.2	33.2#
61	0.0	19.3	28.9#



#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#

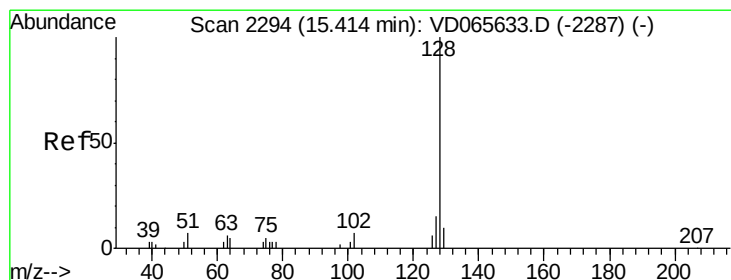
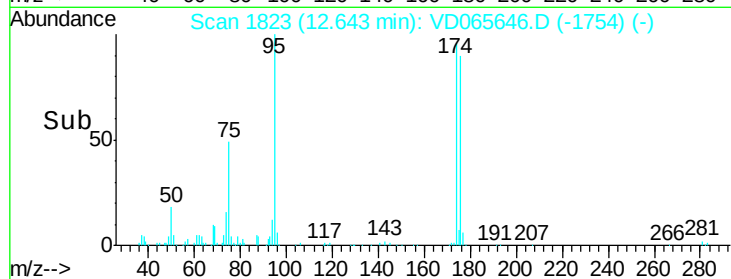
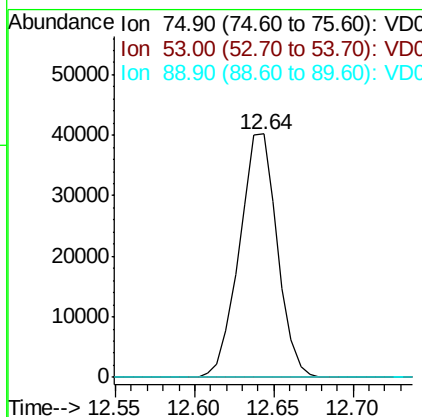
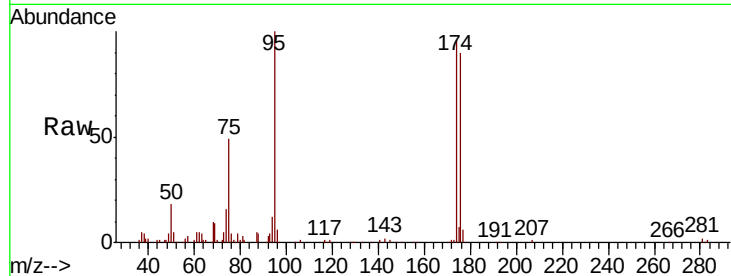




#81
trans-1,4-Dichloro-2-butene
Concen: 112.537 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.11 min
Lab File: VD065646.D
Acq: 17 Apr 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
TP-1-S2

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#



#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#

