

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072220\
 Data File : VD066002.D
 Acq On : 22 Jul 2020 15:27
 Operator : VA/SY
 Sample : L3360-03
 Misc : 6.99G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-2

Quant Time: Jul 23 01:04:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	273876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	446914	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	392722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	150324	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	124519	55.88	ug/l	0.00
Spiked Amount			Recovery	=	111.76%	
35) Dibromofluoromethane	7.93	113	678	0.25	ug/l	0.00
Spiked Amount			Recovery	=	0.50%	
50) Toluene-d8	10.34	98	446940	44.26	ug/l	0.00
Spiked Amount			Recovery	=	88.52%	
62) 4-Bromofluorobenzene	12.64	95	137553	39.29	ug/l	0.00
Spiked Amount			Recovery	=	78.58%	

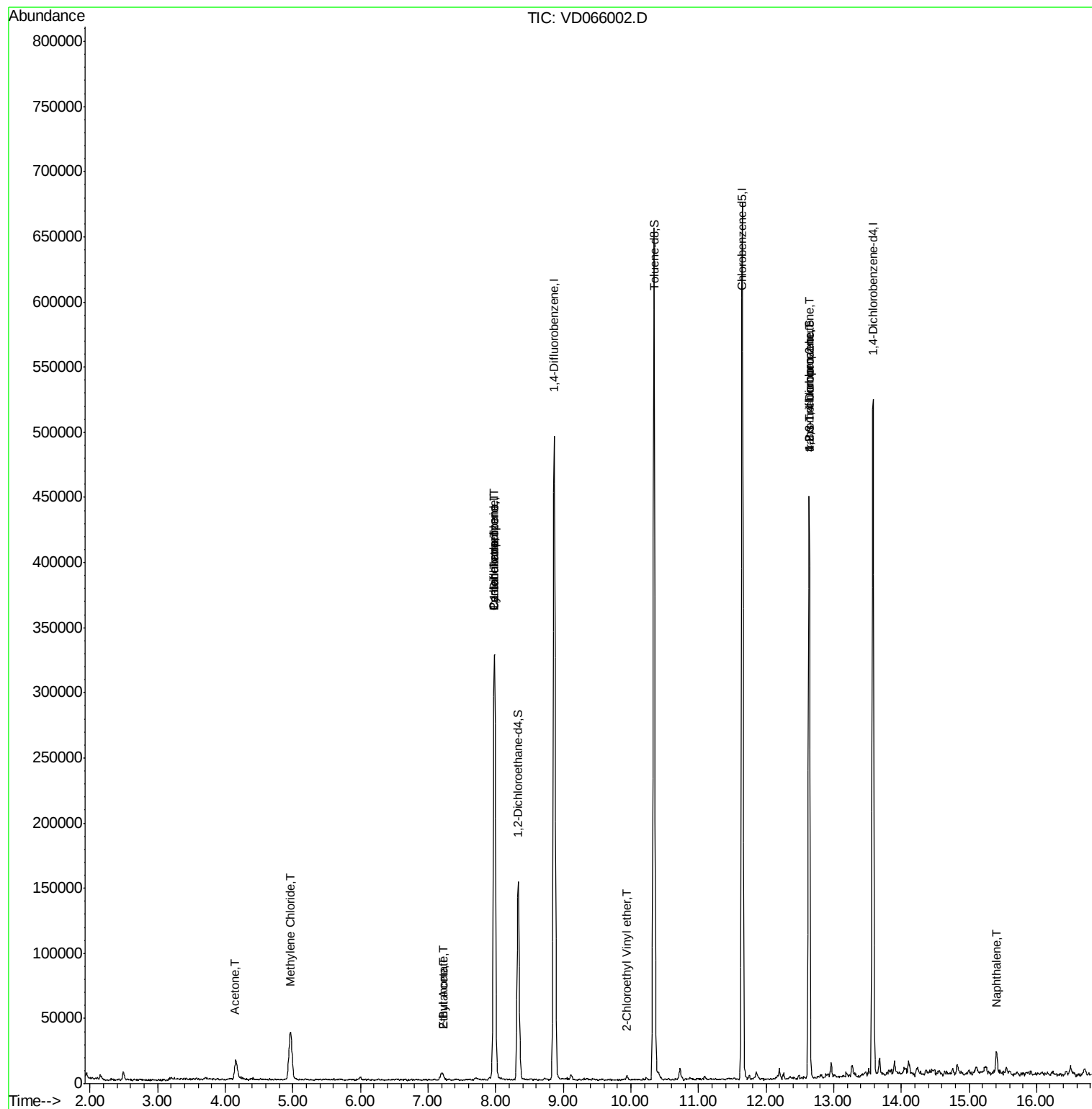
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	61	Below Cal	#	53
11) Tert butyl alcohol	5.23	59	69	Below Cal	#	83
16) Acetone	4.15	43	28819	63.889	ug/l	93
20) Methylene Chloride	4.96	84	29382	9.371	ug/l	96
25) 2-Butanone	7.22	43	5439	9.087	ug/l #	80
31) Cyclohexane	7.98	56	5639	1.407	ug/l #	57
36) 1,1-Dichloropropene	7.98	75	19104	5.009	ug/l #	49
37) Ethyl Acetate	7.22	43	5439	3.734	ug/l #	67
38) Carbon Tetrachloride	7.98	117	24621	5.949	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.94	63	1162	1.060	ug/l #	70
76) 1,2,3-Trichloropropane	12.64	75	67397	59.545	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	67397	136.636	ug/l #	11
95) Naphthalene	15.41	128	16188	6.698	ug/l #	95

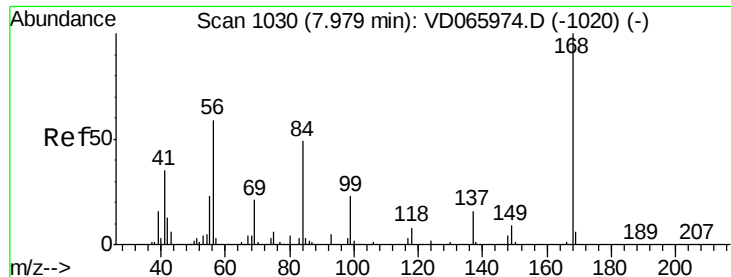
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD066002.D

Acq: 22 Jul 2020 15:27

Instrument :

MSVOA_D

ClientSampleId :

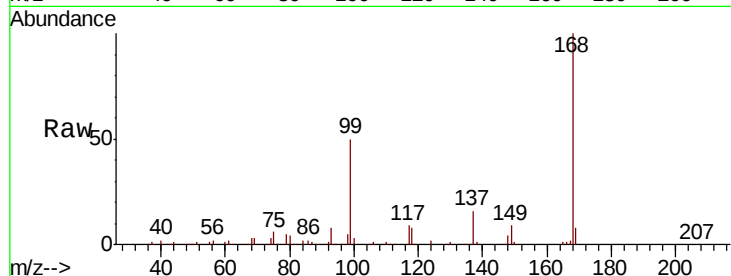
SP-2

Tot Ion:168 Resp: 273876

Ion Ratio Lower Upper

168 100

99 49.8 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

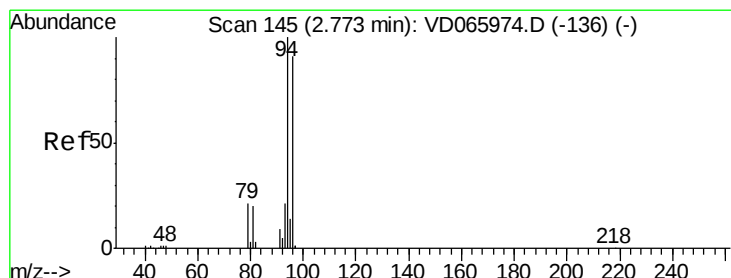
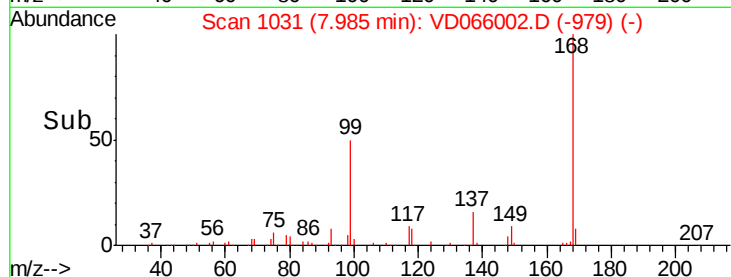
100000

50000

0

Time-->

7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD066002.D

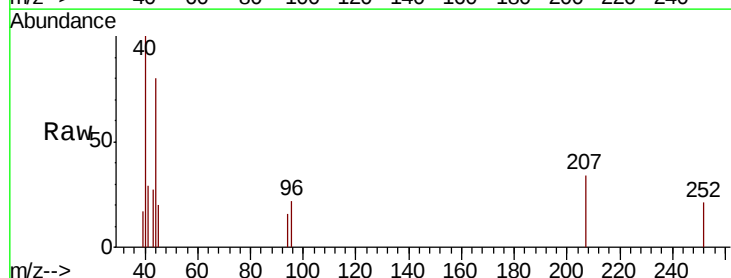
Acq: 22 Jul 2020 15:27

Tgt Ion: 94 Resp: 61

Ion Ratio Lower Upper

94 100

96 135.8 73.0 109.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

400

300

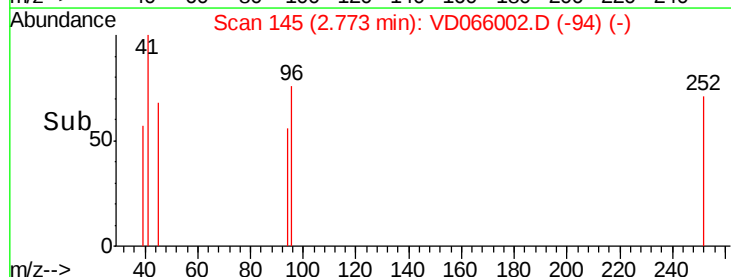
200

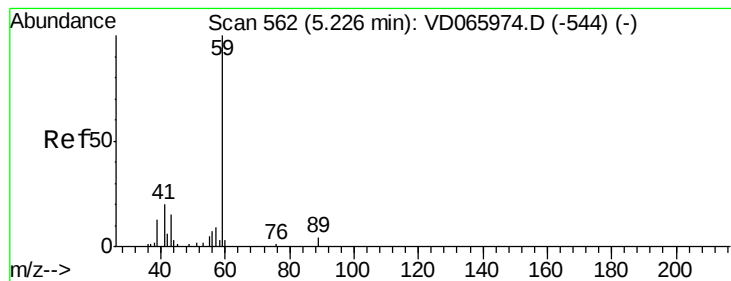
100

0

Time-->

2.75 2.76 2.77 2.78 2.79



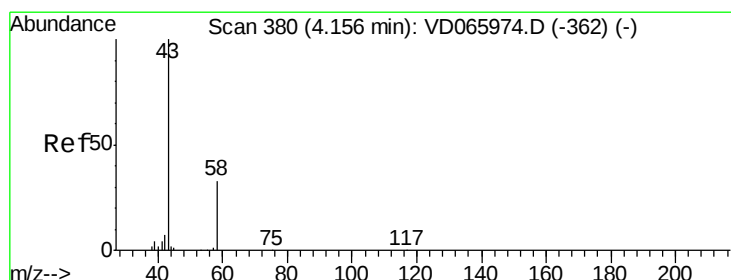
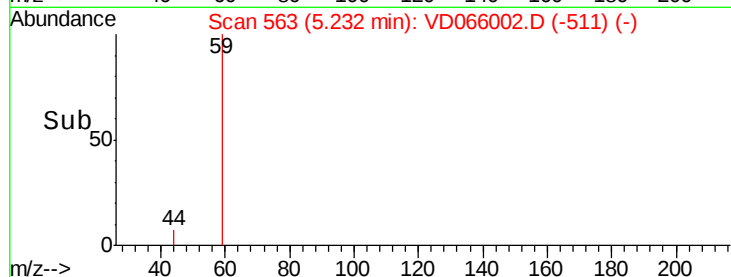
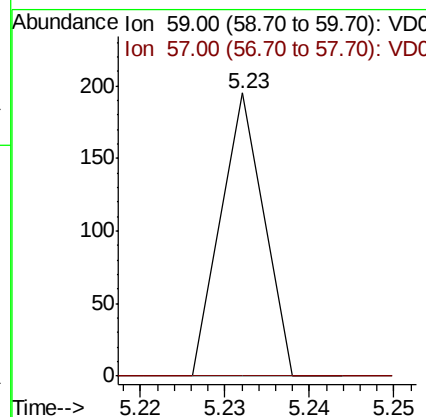
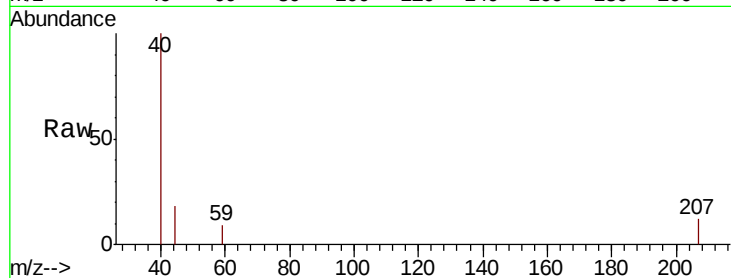


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 563
 Delta R.T. 0.01 min
 Lab File: VD066002.D
 Acq: 22 Jul 2020 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-2

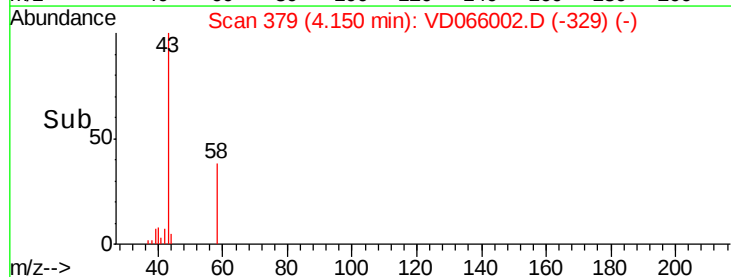
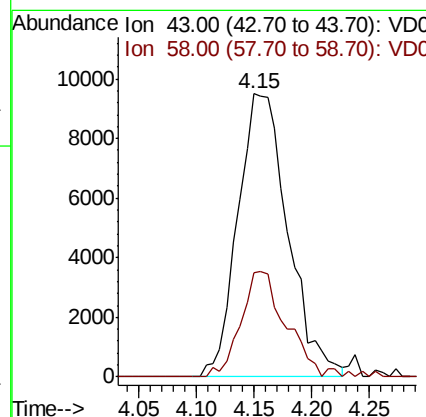
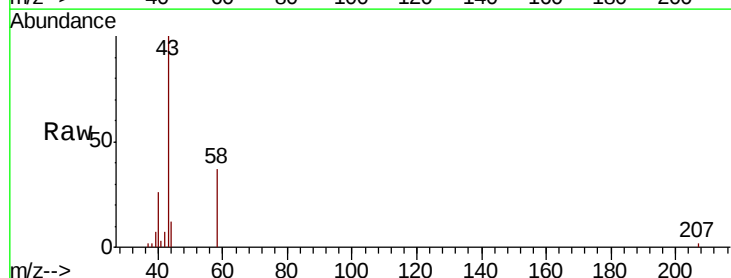
Tot Ion: 59 Resp: 69
 Ion Ratio Lower Upper
 59 100
 57 0.0 4.5 6.7#

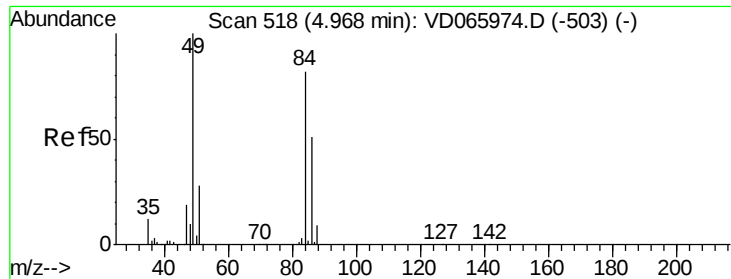


#16

Acetone
 Concen: 63.889 ug/l
 RT: 4.15 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VD066002.D
 Acq: 22 Jul 2020 15:27

Tgt Ion: 43 Resp: 28819
 Ion Ratio Lower Upper
 43 100
 58 36.8 26.3 39.5

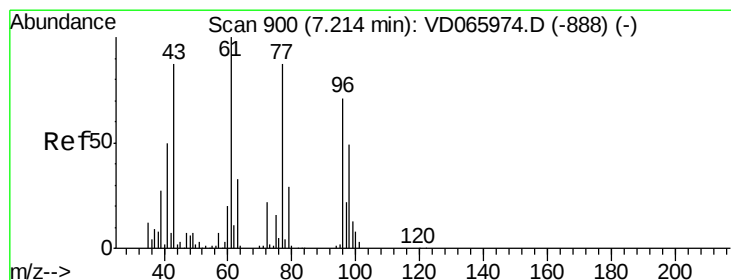
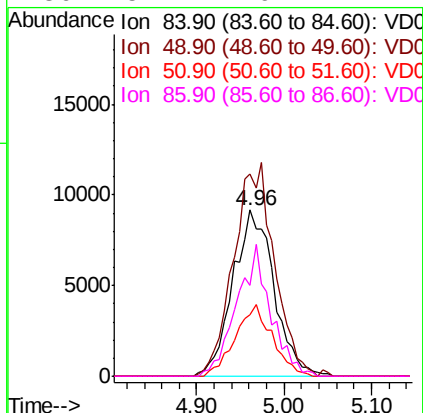
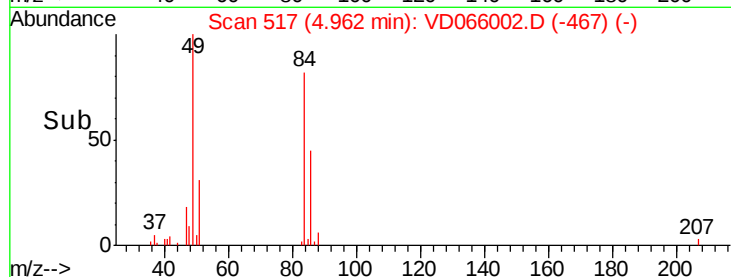
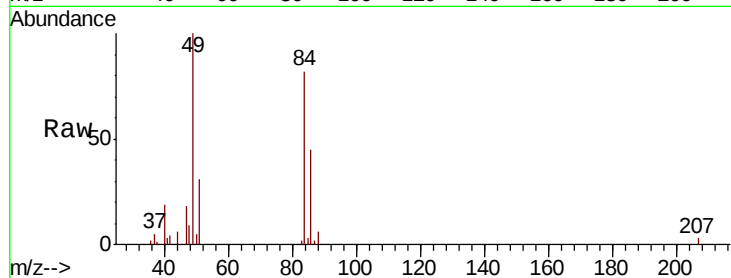




#20
Methylene Chloride
Concen: 9.371 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066002.D
Acq: 22 Jul 2020 15:27

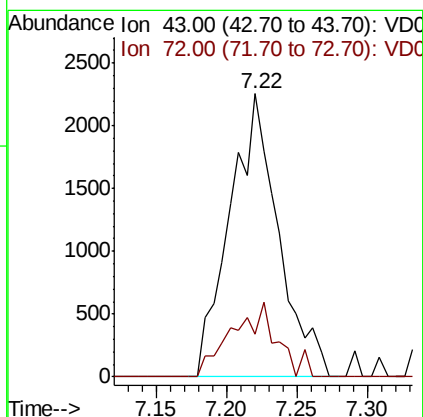
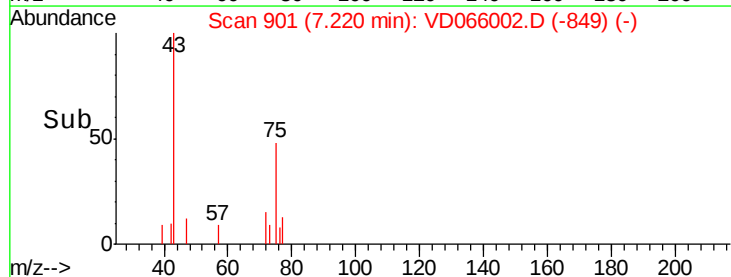
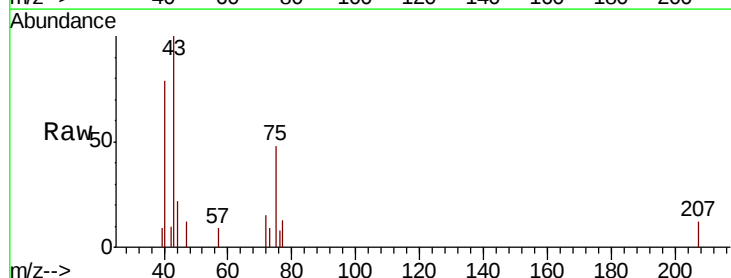
Instrument :
MSVOA_D
ClientSampled :
SP-2

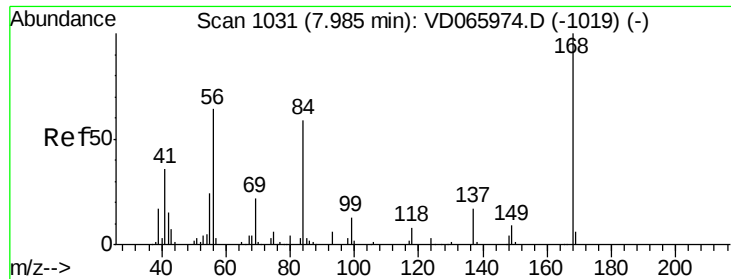
Tot Ion: 84 Resp: 29382
Ion Ratio Lower Upper
84 100
49 122.0 97.7 146.5
51 37.3 27.4 41.2
86 54.4 49.4 74.2



#25
2-Butanone
Concen: 9.087 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD066002.D
Acq: 22 Jul 2020 15:27

Tgt Ion: 43 Resp: 5439
Ion Ratio Lower Upper
43 100
72 15.1 20.2 30.2#

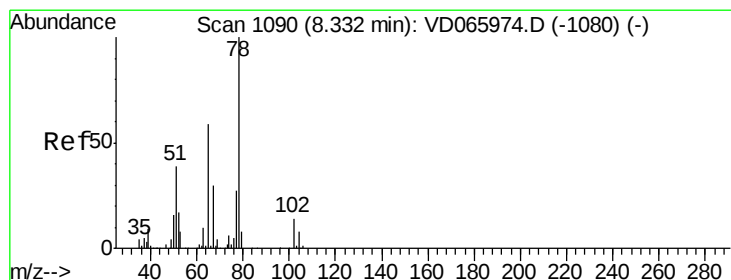
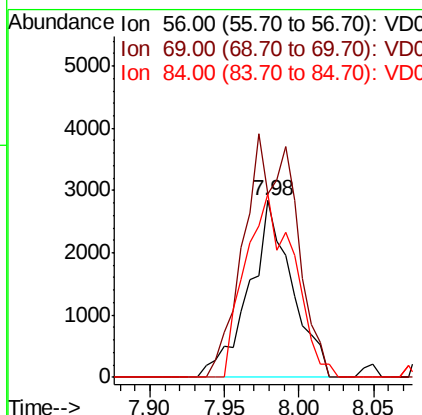
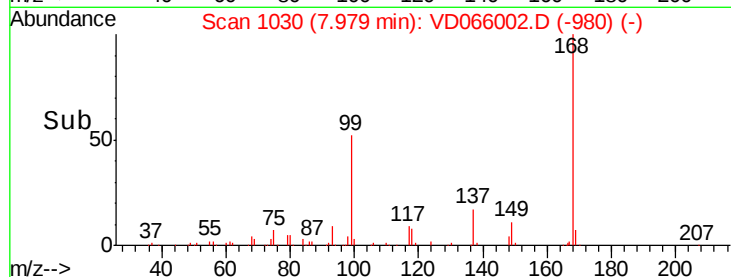
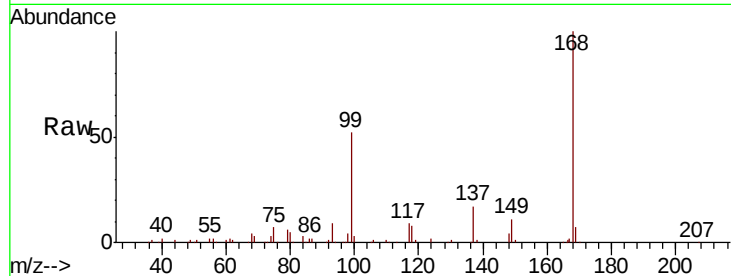




#31
Cyclohexane
Concen: 1.407 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066002.D
Acq: 22 Jul 2020 15:27

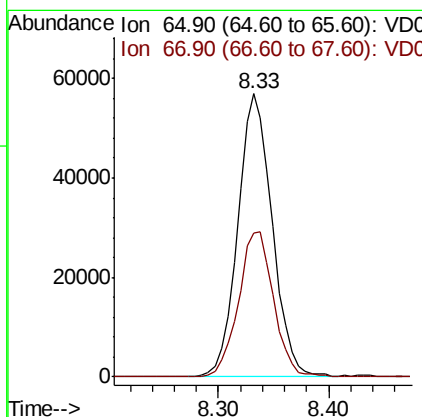
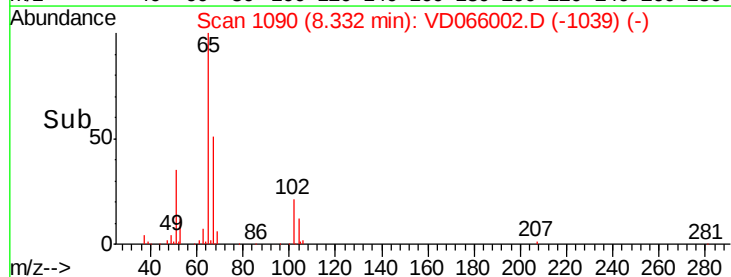
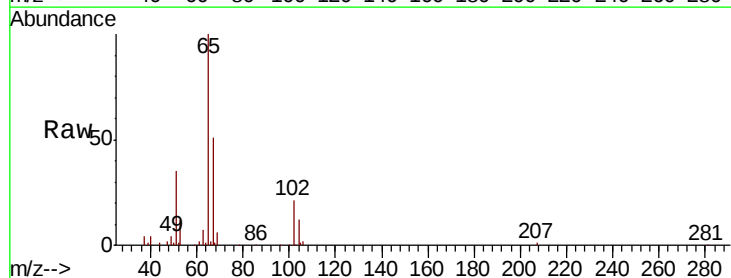
Instrument :
MSVOA_D
ClientSampled :
SP-2

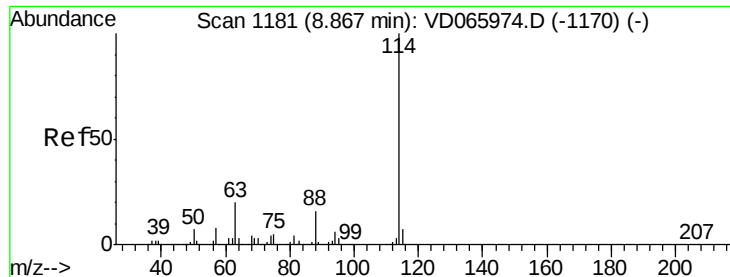
Tot Ion: 56 Resp: 5639
Ion Ratio Lower Upper
56 100
69 103.8 28.0 42.0#
84 103.6 72.6 109.0



#33
1,2-Dichloroethane-d4
Concen: 55.876 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD066002.D
Acq: 22 Jul 2020 15:27

Tgt Ion: 65 Resp: 124519
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.0

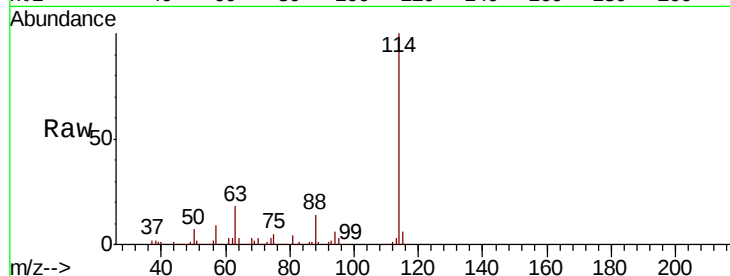




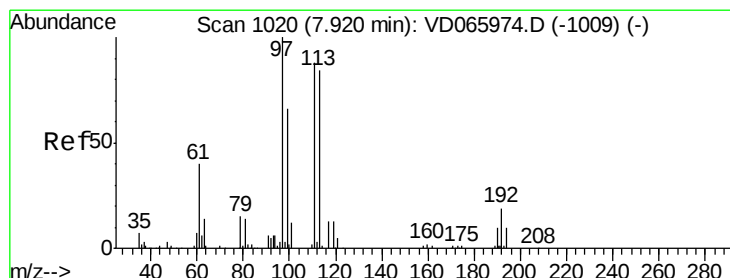
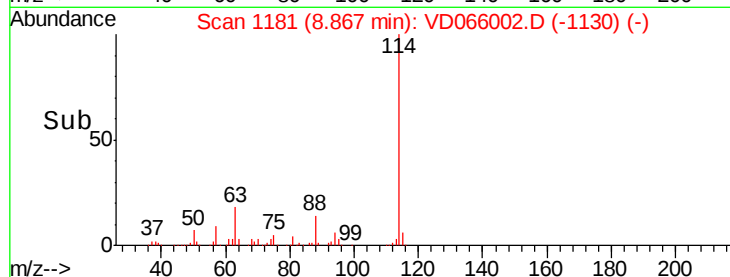
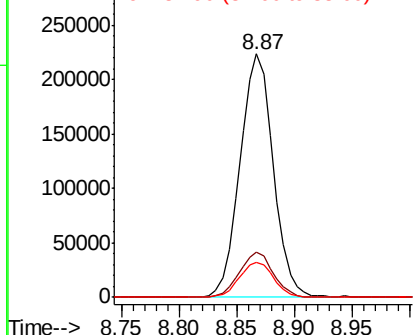
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD066002.D
Acq: 22 Jul 2020 15:27

Instrument :
MSVOA_D
ClientSampleId :
SP-2

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	39.6
88	14.3	0.0	31.2

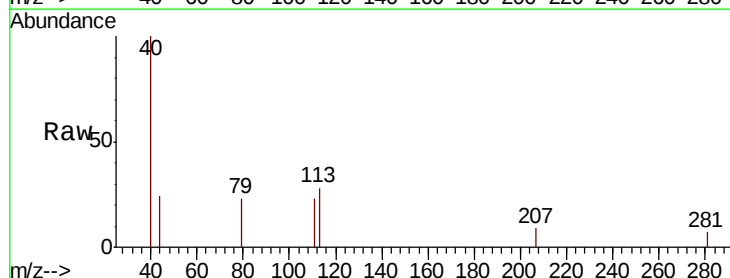


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

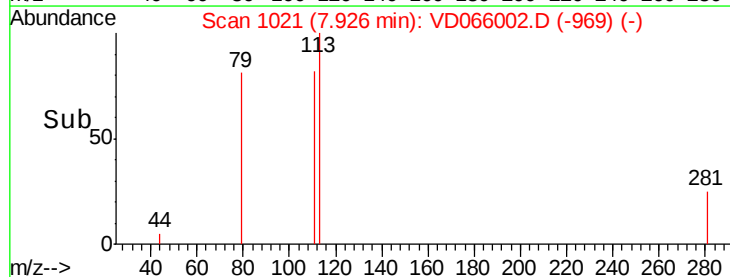
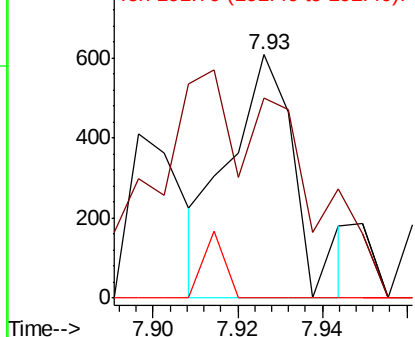


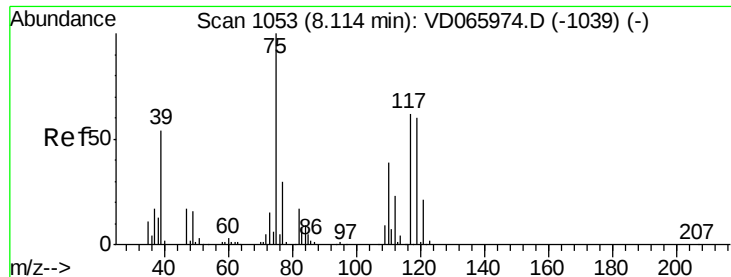
#35
Dibromofluoromethane
Concen: 0.250 ug/l
RT: 7.93 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VD066002.D
Acq: 22 Jul 2020 15:27

Tgt Ion	Ratio	Lower	Upper
113	100		
111	192.3	83.2	124.8#
192	8.7	18.7	28.1#



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

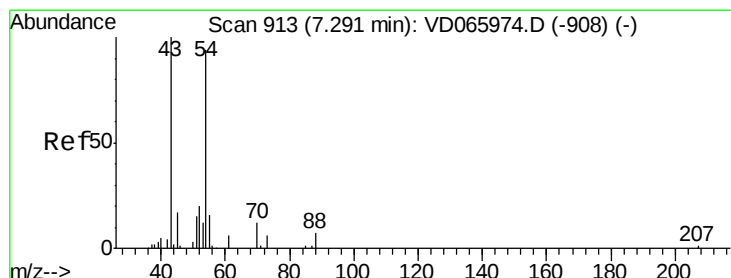
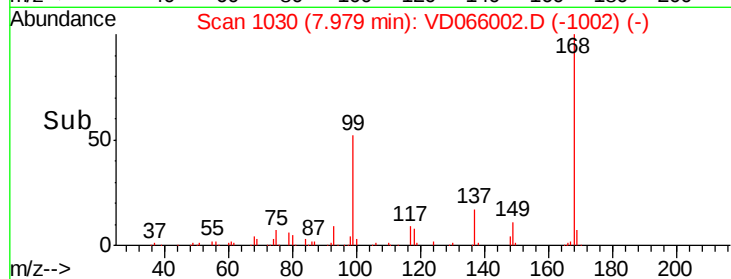
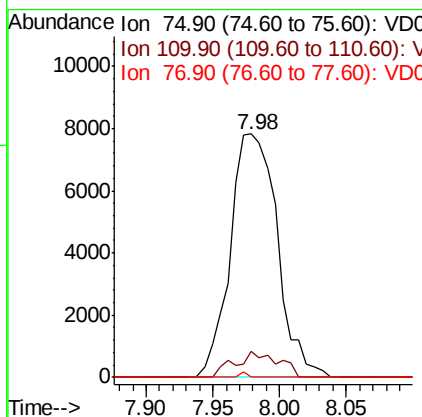
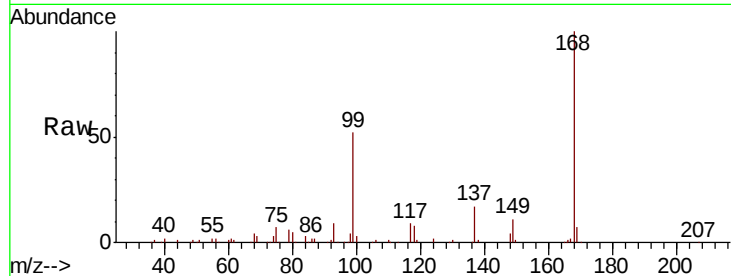




#36
 1,1-Dichloropropene
 Concen: 5.009 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD066002.D
 Acq: 22 Jul 2020 15:27

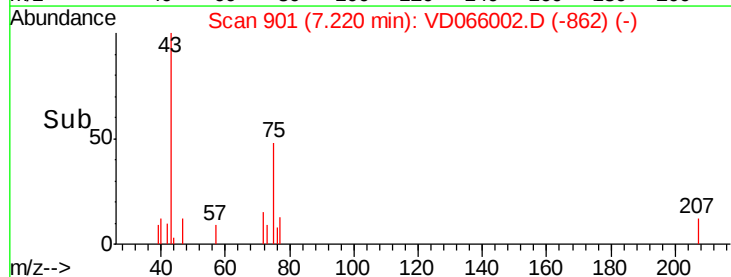
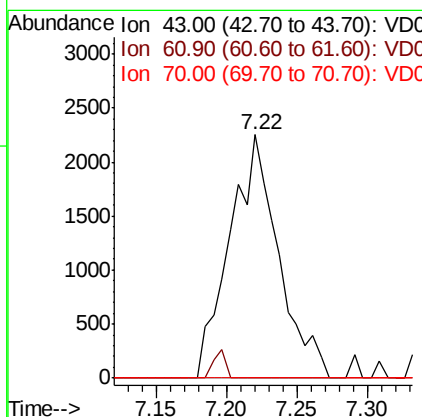
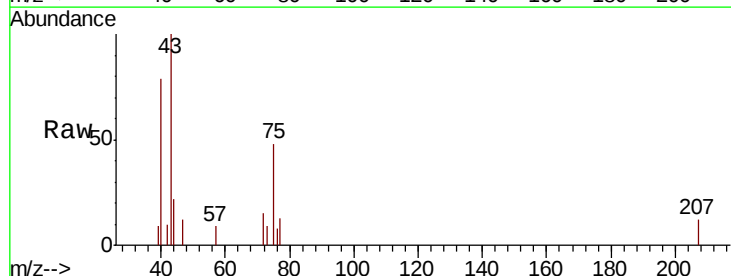
Instrument :
 MSVOA_D
 ClientSampleID :
 SP-2

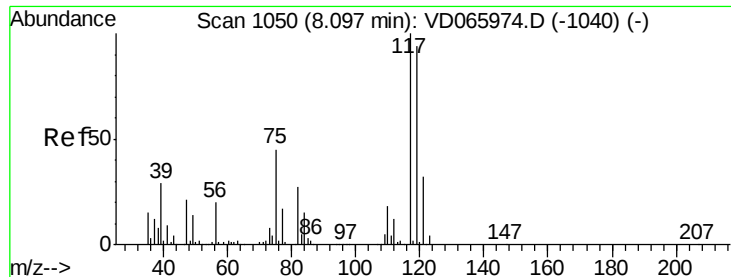
Tot Ion: 75 Resp: 19104
 Ion Ratio Lower Upper
 75 100
 110 9.9 19.5 58.5#
 77 0.3 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 3.734 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. -0.07 min
 Lab File: VD066002.D
 Acq: 22 Jul 2020 15:27

Tgt Ion: 43 Resp: 5439
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.4 17.0#
 70 0.0 9.3 13.9#

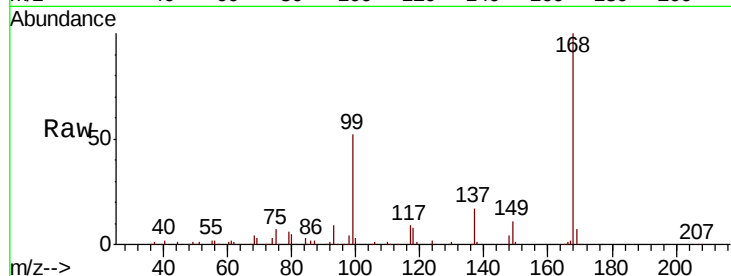




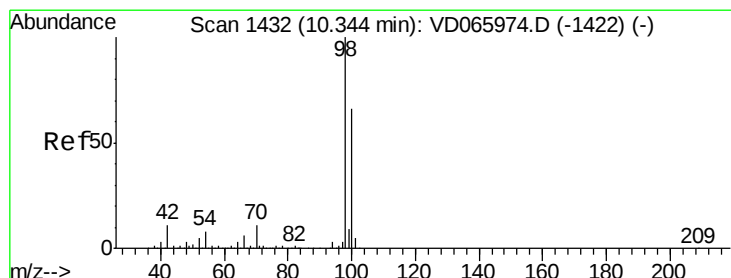
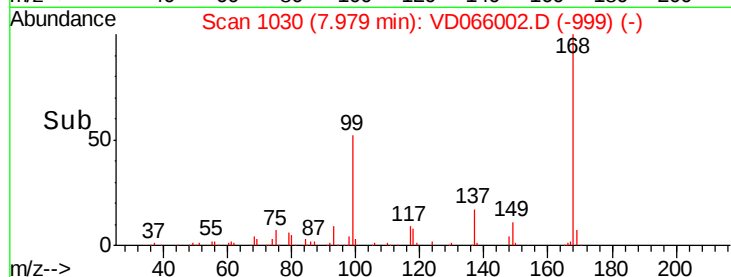
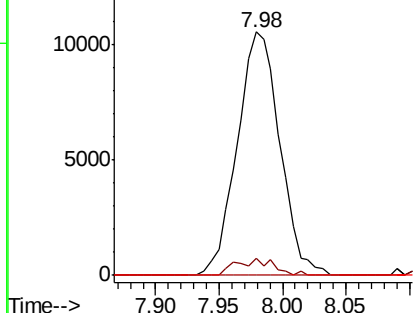
#38
Carbon Tetrachloride
Concen: 5.949 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD066002.D
Acq: 22 Jul 2020 15:27

Instrument :
MSVOA_D
ClientSampled :
SP-2

Tot Ion:117 Resp: 24621
Ion Ratio Lower Upper
117 100
119 7.1 75.0 112.6#
121 0.0 25.5 38.3#

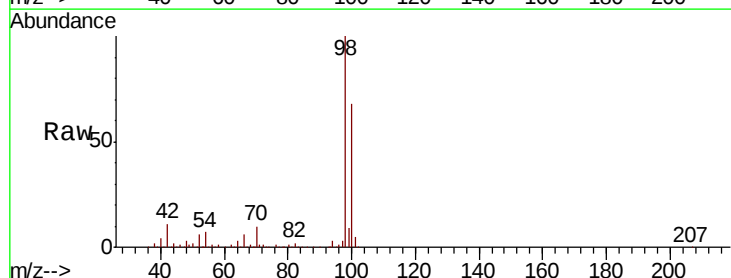


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

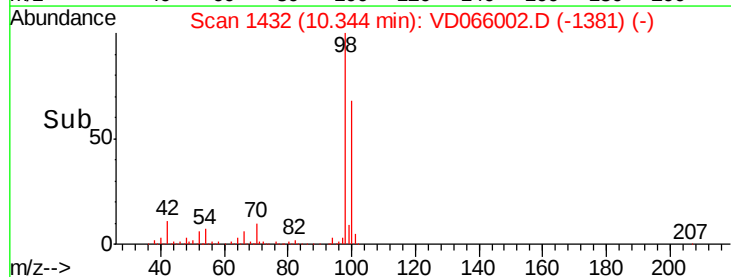
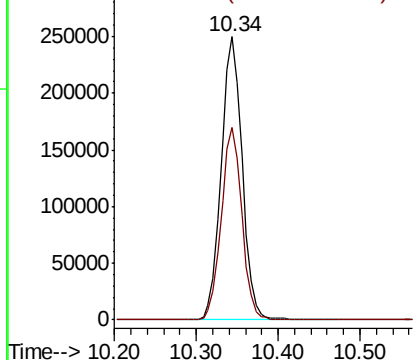


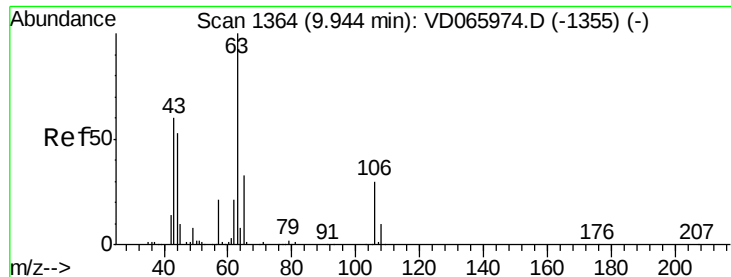
#50
Toluene-d8
Concen: 44.260 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD066002.D
Acq: 22 Jul 2020 15:27

Tgt Ion: 98 Resp: 446940
Ion Ratio Lower Upper
98 100
100 66.6 52.7 79.1



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

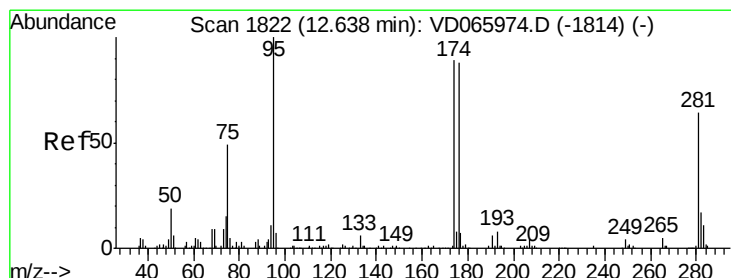
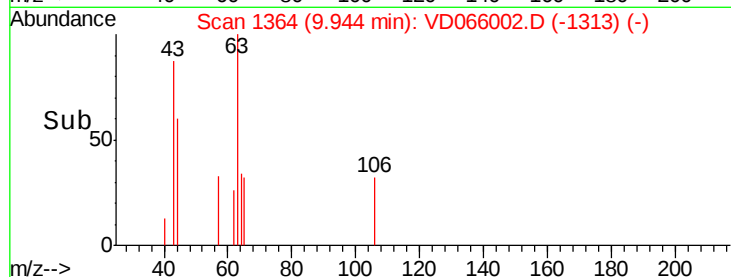
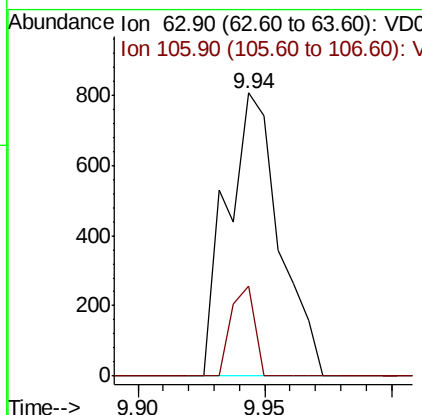
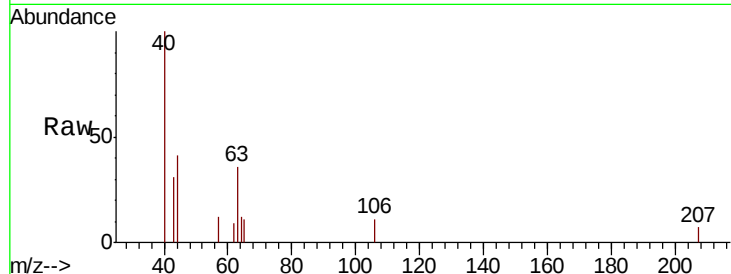




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.060 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD066002.D
 Acq: 22 Jul 2020 15:27

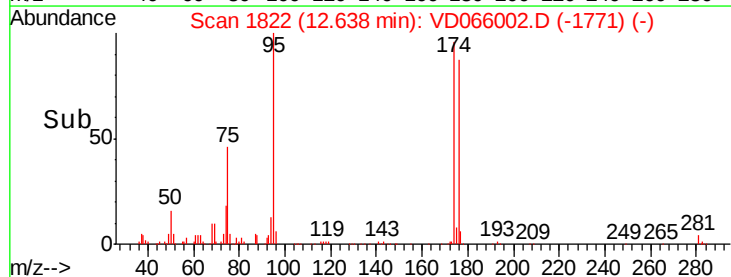
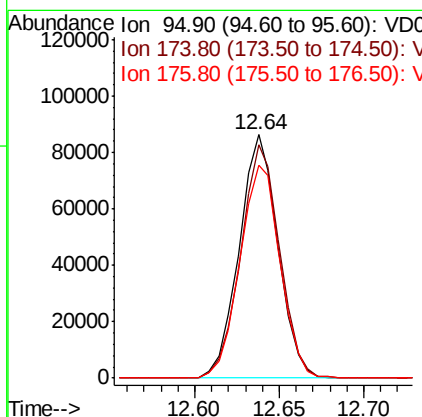
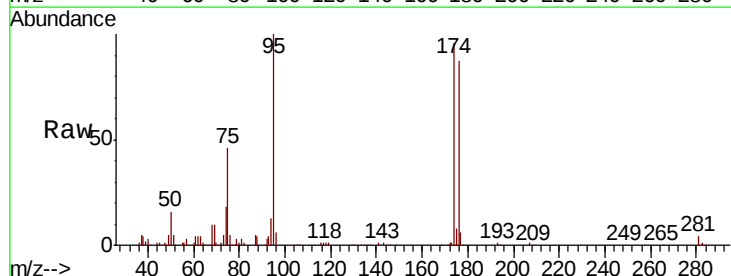
Instrument :
 MSVOA_D
 ClientSampled :
 SP-2

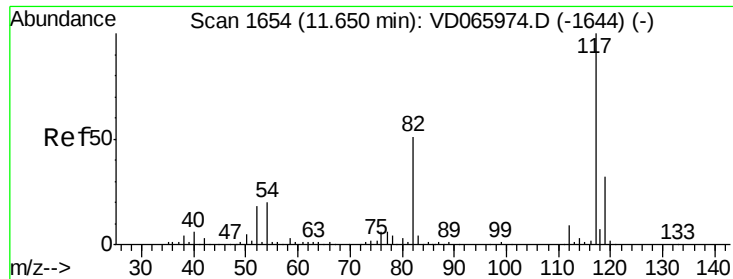
Tot Ion: 63 Resp: 1162
 Ion Ratio Lower Upper
 63 100
 106 14.0 24.4 36.6#



#62
 4-Bromofluorobenzene
 Concen: 39.286 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD066002.D
 Acq: 22 Jul 2020 15:27

Tgt Ion: 95 Resp: 137553
 Ion Ratio Lower Upper
 95 100
 174 96.3 0.0 178.8
 176 90.8 0.0 172.6

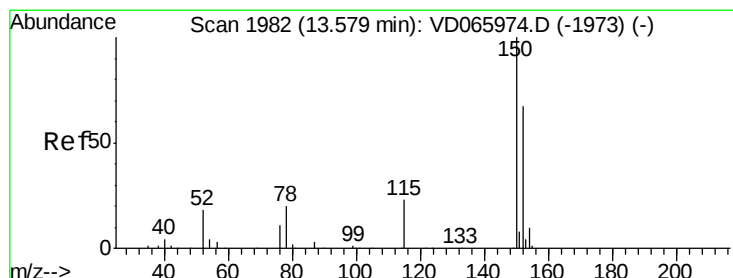
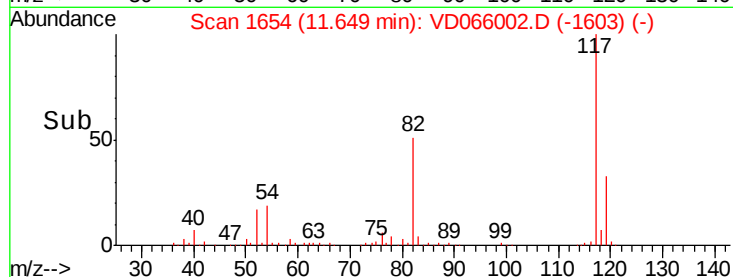
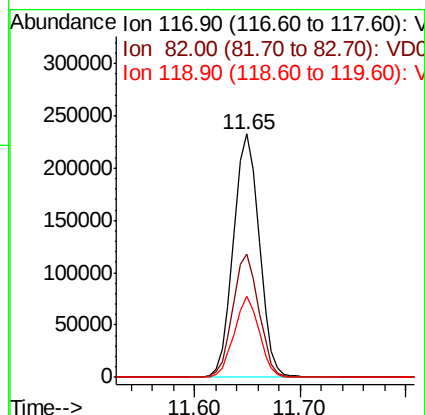
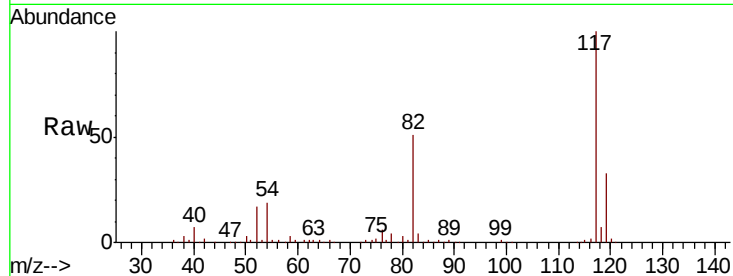




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066002.D
Acq: 22 Jul 2020 15:27

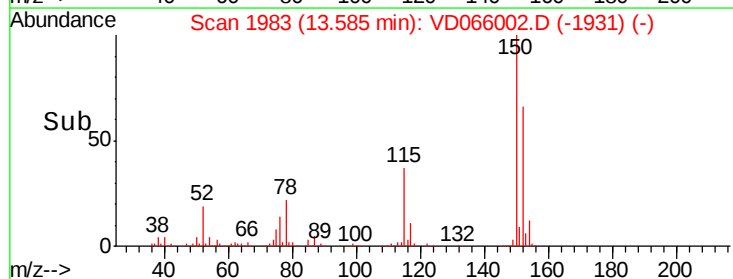
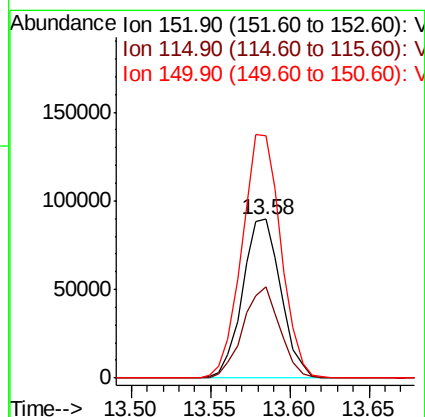
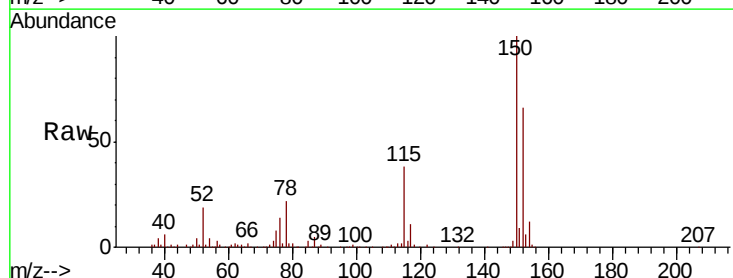
Instrument :
MSVOA_D
ClientSampleId :
SP-2

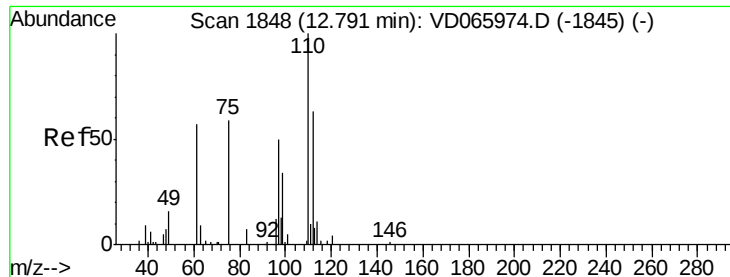
Tot Ion:117 Resp: 392722
Ion Ratio Lower Upper
117 100
82 50.8 41.1 61.7
119 33.4 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066002.D
Acq: 22 Jul 2020 15:27

Tgt Ion:152 Resp: 150324
Ion Ratio Lower Upper
152 100
115 55.2 27.9 83.7
150 155.4 0.0 348.2

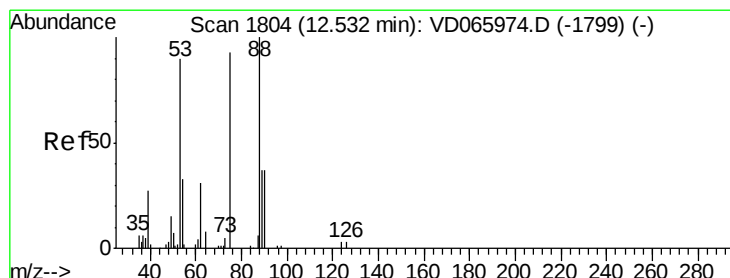
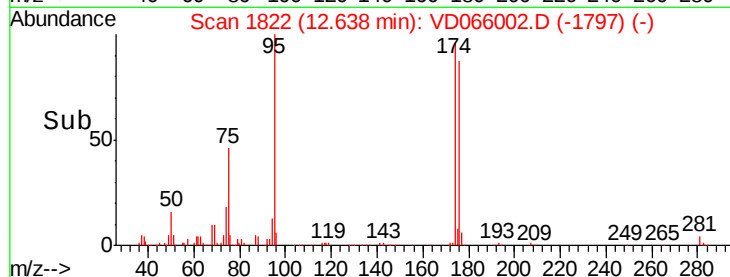
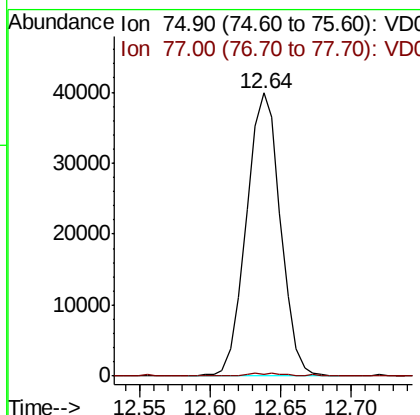
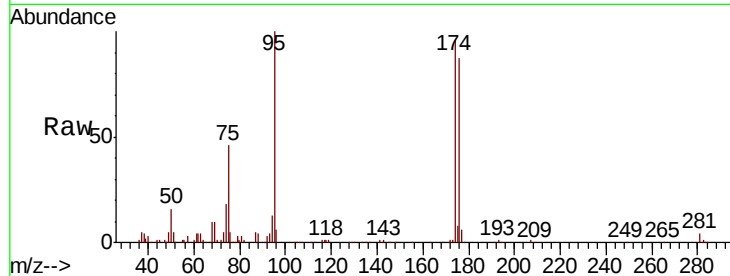




#76
 1,2,3-Trichloropropane
 Concen: 59.545 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD066002.D
 Acq: 22 Jul 2020 15:27

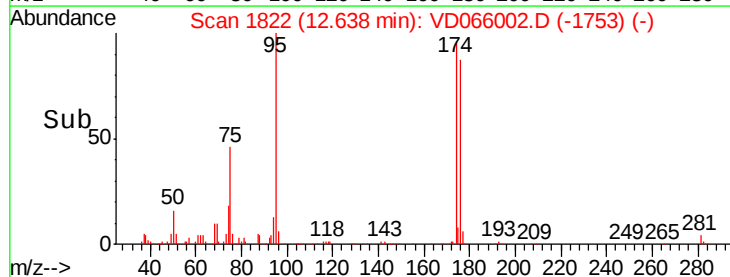
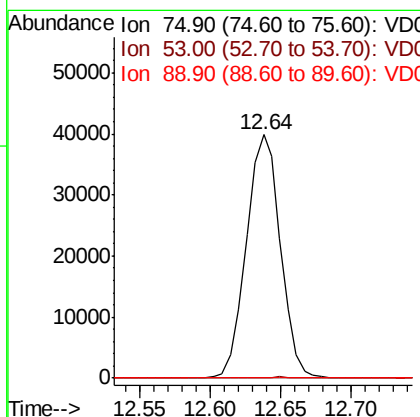
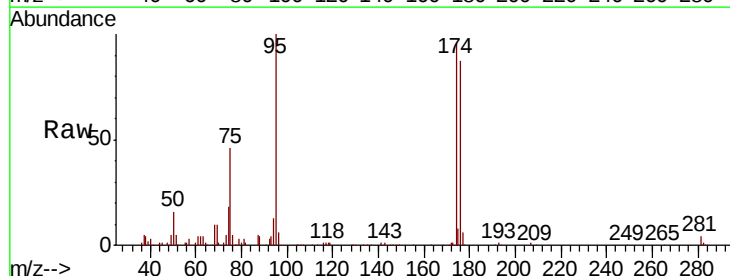
Instrument :
 MSVOA_D
 ClientSampled :
 SP-2

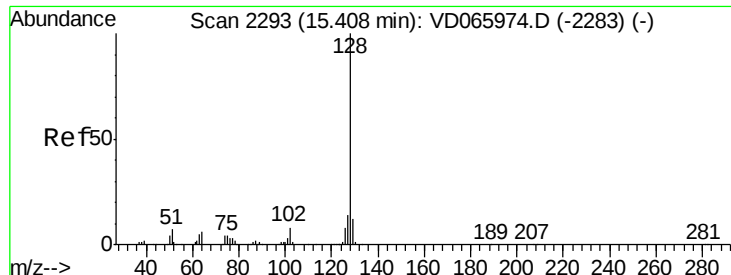
Tot Ion: 75 Resp: 67397
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.636 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD066002.D
 Acq: 22 Jul 2020 15:27

Tgt Ion: 75 Resp: 67397
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.8 115.2#
 89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 6.698 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066002.D

Acq: 22 Jul 2020 15:27

Instrument :

MSVOA_D

ClientSampleId :

SP-2

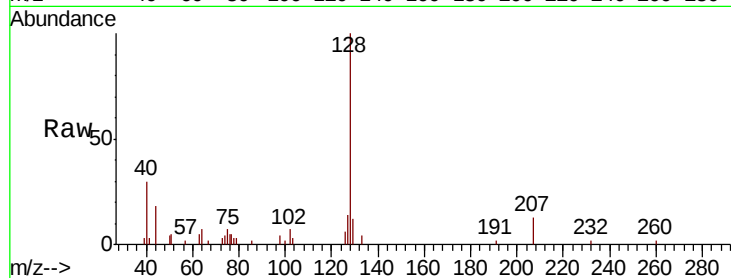
Tot Ion:128 Resp: 16188

Ion Ratio Lower Upper

128 100

127 14.8 10.8 16.2

129 14.2 8.9 13.3#



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

