

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072820\
 Data File : VD066078.D
 Acq On : 28 Jul 2020 15:34
 Operator : VA/SY
 Sample : L3473-02
 Misc : 7.86G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 29 01:34:45 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	296487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	459136	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	504369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	280357	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	117458	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
35) Dibromofluoromethane	7.91	113	136313	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
50) Toluene-d8	10.34	98	560802	54.06	ug/l	0.00
Spiked Amount			Recovery	=	108.12%	
62) 4-Bromofluorobenzene	12.64	95	251315	69.87	ug/l	0.00
Spiked Amount			Recovery	=	139.74%	

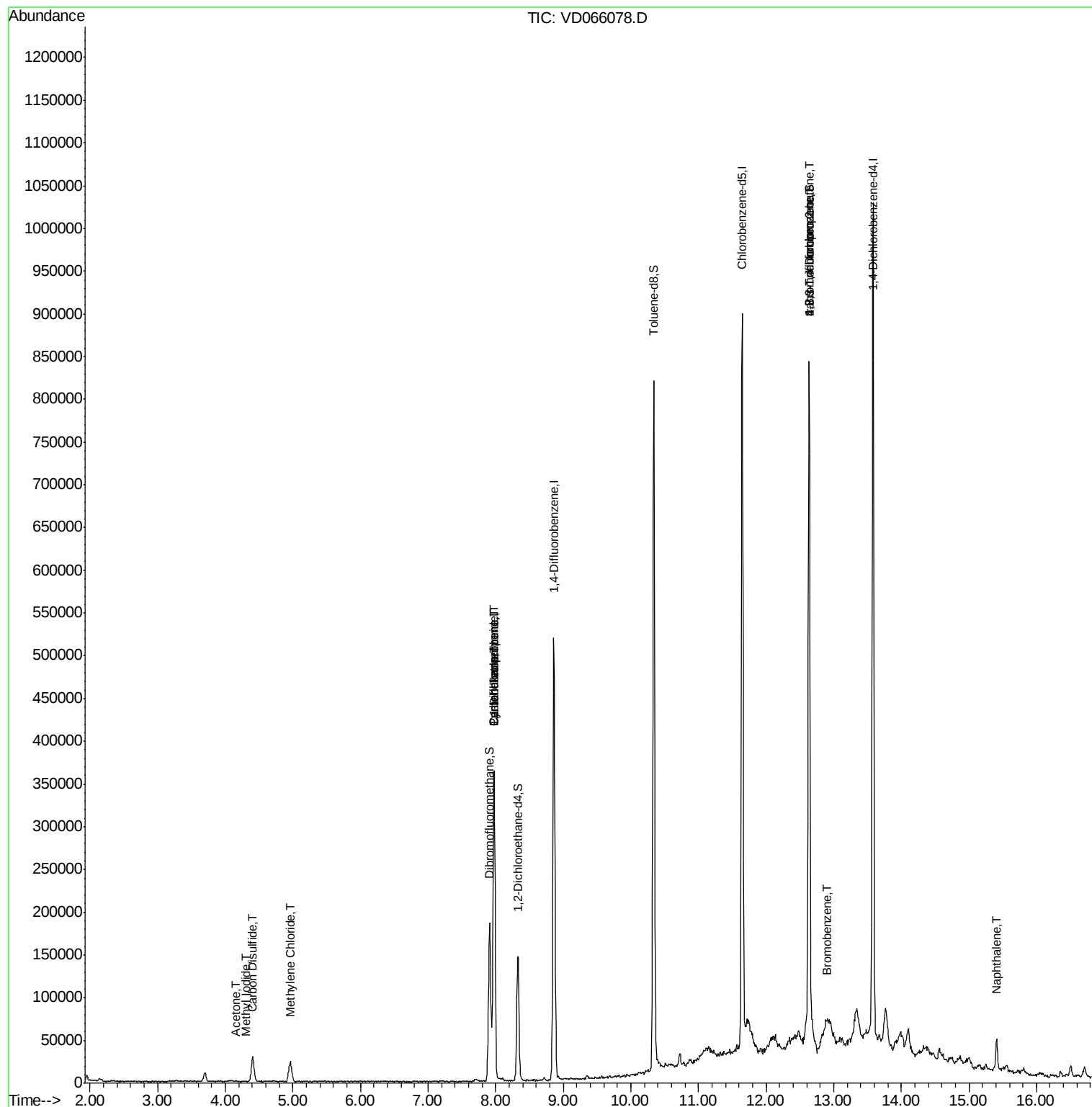
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	118	Below Cal		83
10) Methyl Iodide	4.31	142	715	9.039	ug/l #	42
16) Acetone	4.15	43	954	1.954	ug/l #	42
17) Carbon Disulfide	4.41	76	61538	7.739	ug/l	95
20) Methylene Chloride	4.96	84	18476	4.122	ug/l	95
31) Cyclohexane	7.97	56	6226	1.435	ug/l #	51
36) 1,1-Dichloropropene	7.98	75	18866	4.815	ug/l #	49
38) Carbon Tetrachloride	7.97	117	27384	6.441	ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	121535	57.574	ug/l #	100
77) Bromobenzene	12.90	156	39003	8.996	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	121535	132.112	ug/l #	11
95) Naphthalene	15.41	128	31678	6.853	ug/l	98

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066078.D

Acq: 28 Jul 2020 15:34

Instrument :

MSVOA_D

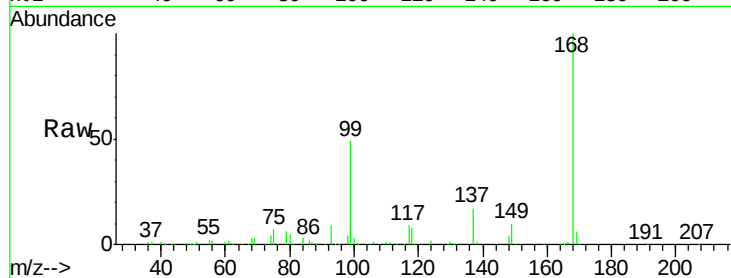
ClientSampleId :

Tot Ion:168 Resp: 296487

Ion Ratio Lower Upper

168 100

99 49.3 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

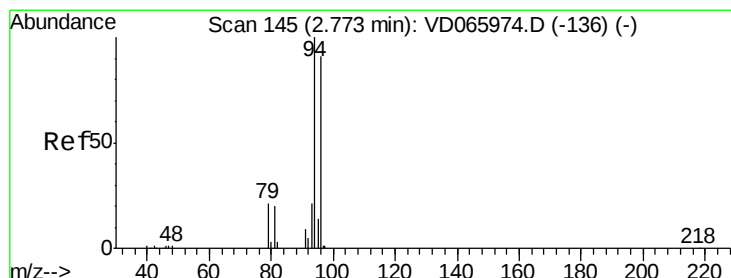
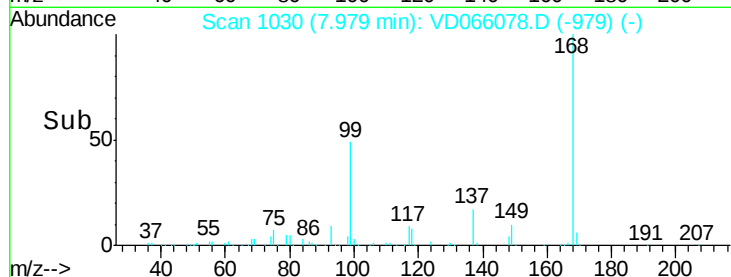
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD066078.D

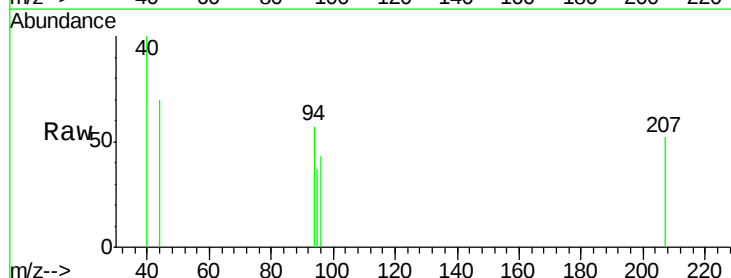
Acq: 28 Jul 2020 15:34

Tgt Ion: 94 Resp: 118

Ion Ratio Lower Upper

94 100

96 74.7 73.0 109.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

400

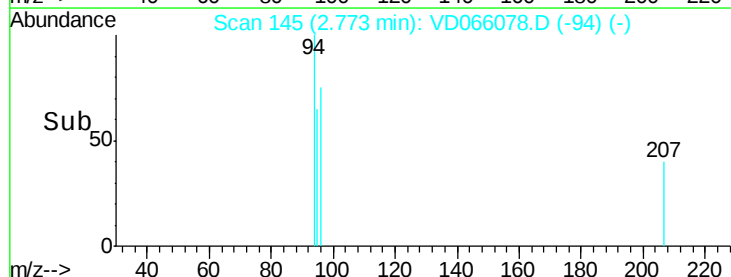
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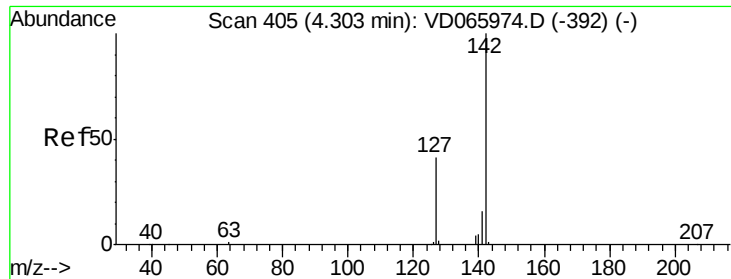
200

100

0

Time-->

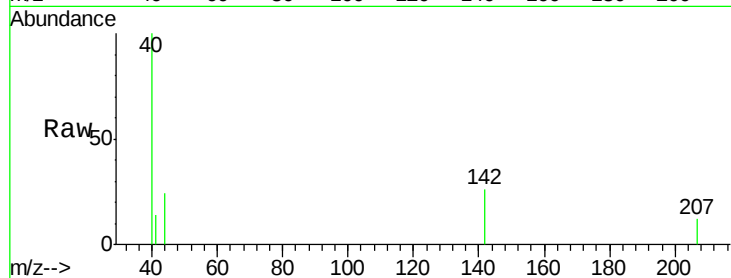




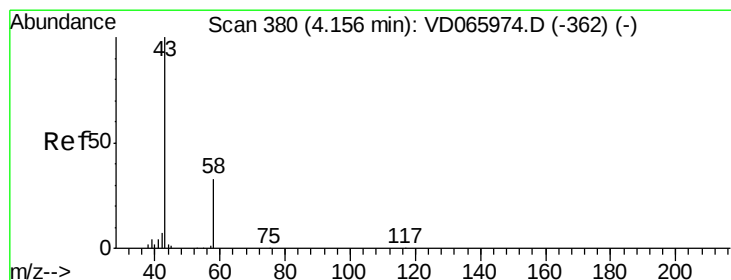
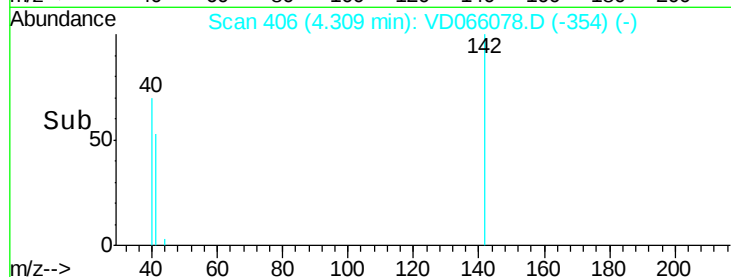
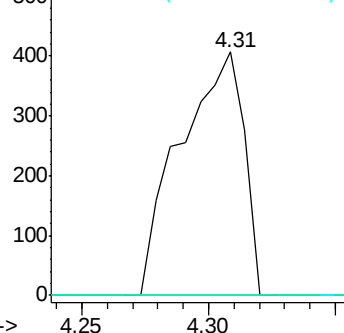
#10
Methvl Iodide
Concen: 9.039 ug/l
RT: 4.31 min Scan# 406
Delta R.T. 0.01 min
Lab File: VD066078.D
Acq: 28 Jul 2020 15:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:142 Resp: 715
Ion Ratio Lower Upper
142 100
127 0.0 32.9 49.3#
141 0.0 11.8 17.6#

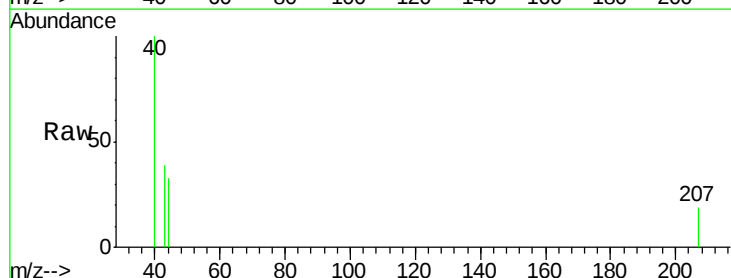


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

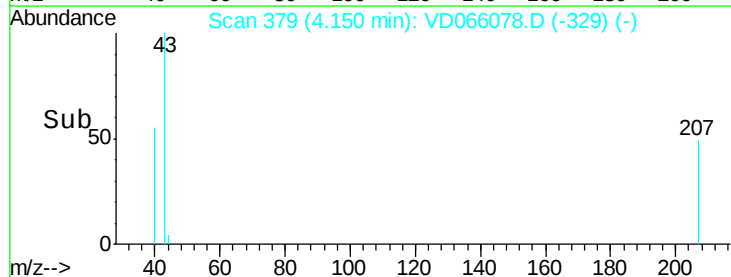
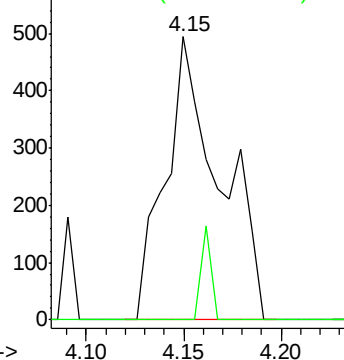


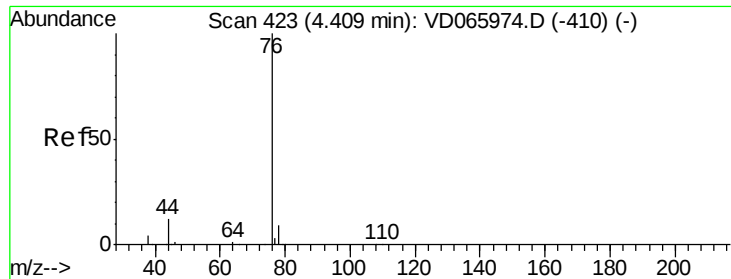
#16
Acetone
Concen: 1.954 ug/l
RT: 4.15 min Scan# 379
Delta R.T. -0.01 min
Lab File: VD066078.D
Acq: 28 Jul 2020 15:34

Tgt Ion: 43 Resp: 954
Ion Ratio Lower Upper
43 100
58 0.0 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

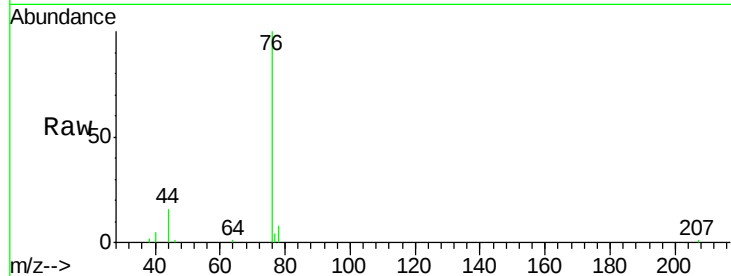




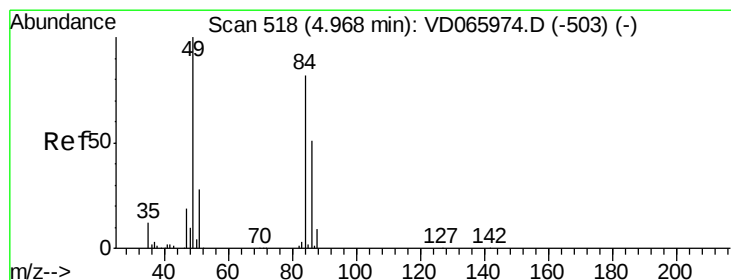
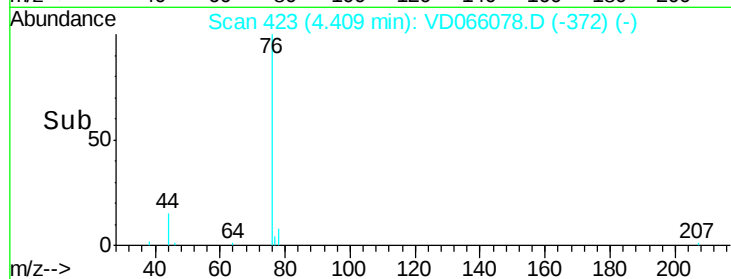
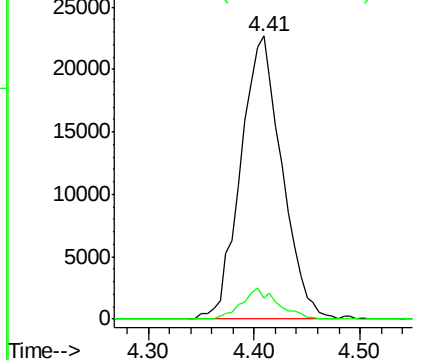
#17
Carbon Disulfide
Concen: 7.739 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD066078.D
Acq: 28 Jul 2020 15:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 76 Resp: 61538
Ion Ratio Lower Upper
76 100
78 7.6 7.4 11.2

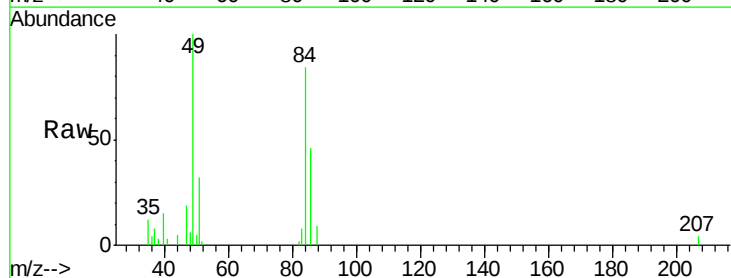


Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC

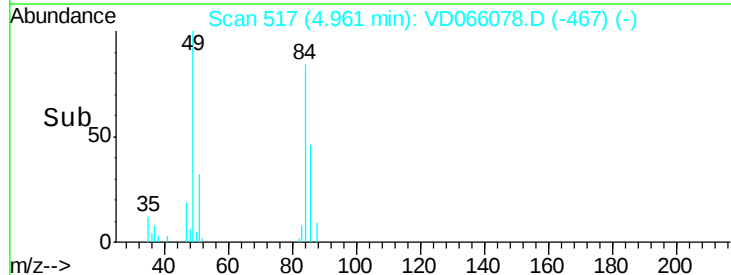
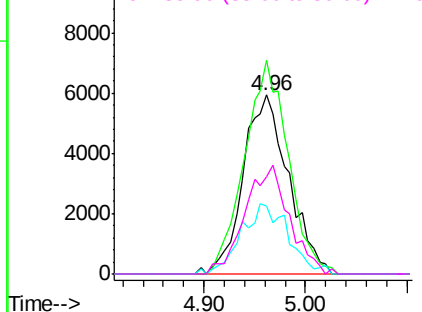


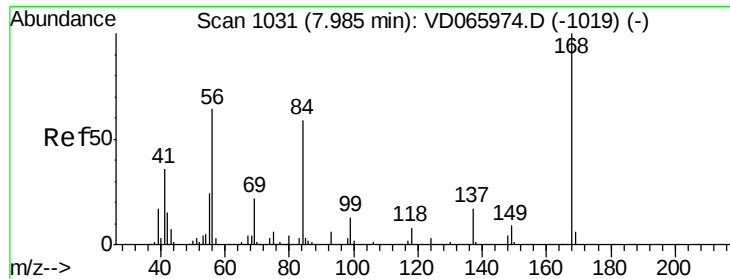
#20
Methylene Chloride
Concen: 4.122 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066078.D
Acq: 28 Jul 2020 15:34

Tgt Ion: 84 Resp: 18476
Ion Ratio Lower Upper
84 100
49 119.5 97.7 146.5
51 37.8 27.4 41.2
86 54.6 49.4 74.2



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

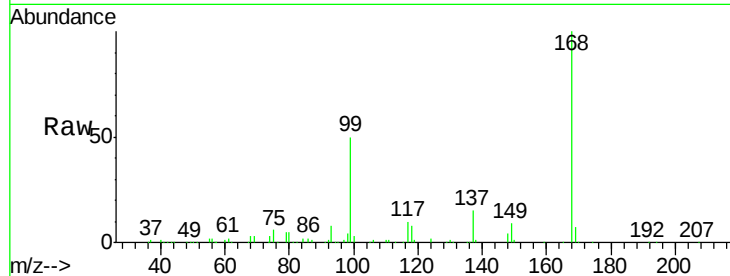




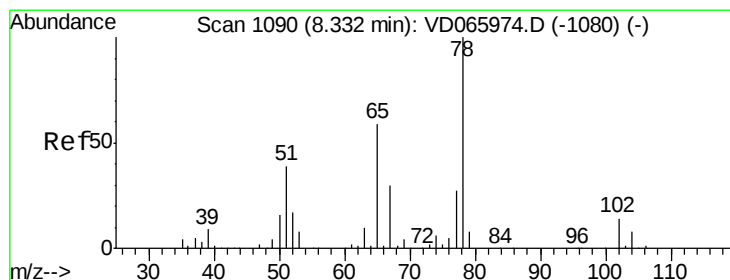
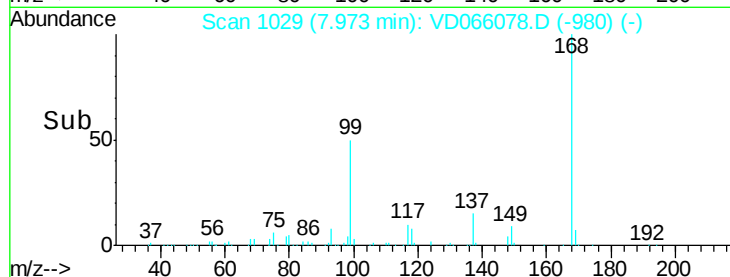
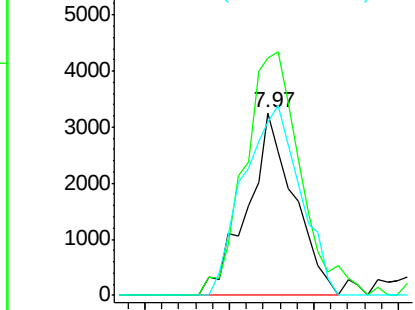
#31
Cyclohexane
Concen: 1.435 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066078.D
Acq: 28 Jul 2020 15:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 6226
Ion Ratio Lower Upper
56 100
69 129.8 28.0 42.0#
84 94.9 72.6 109.0

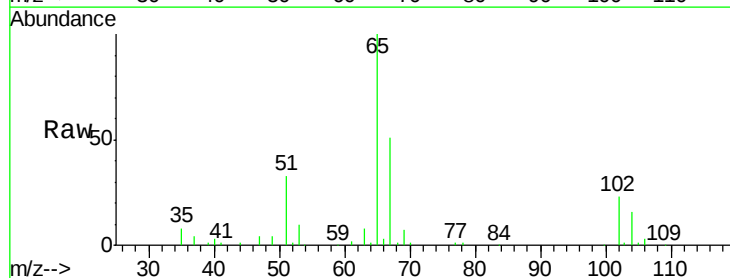


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

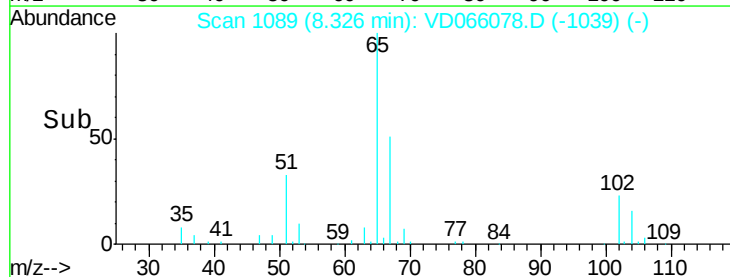
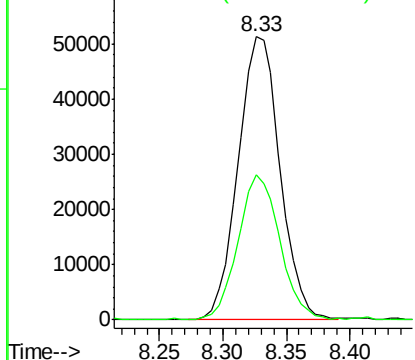


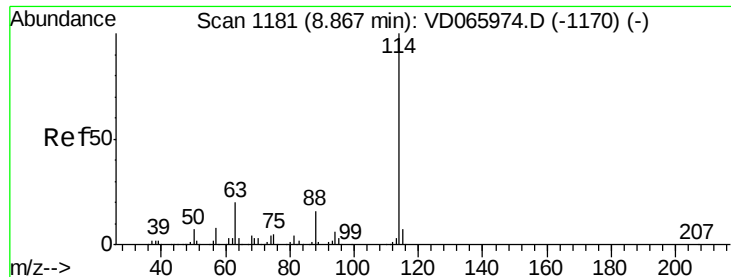
#33
1,2-Dichloroethane-d4
Concen: 48.688 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066078.D
Acq: 28 Jul 2020 15:34

Tgt Ion: 65 Resp: 117458
Ion Ratio Lower Upper
65 100
67 51.3 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

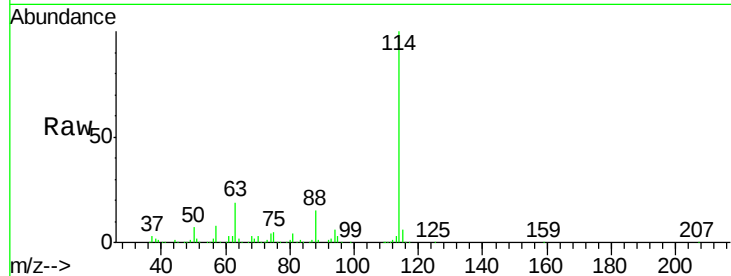




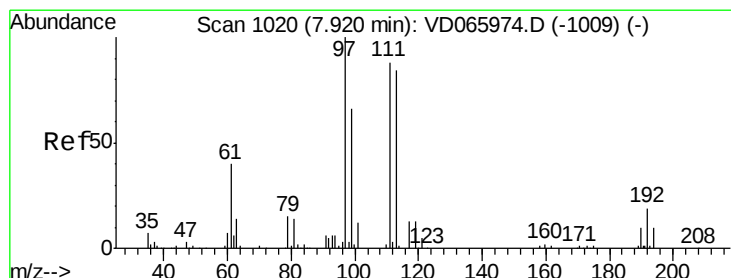
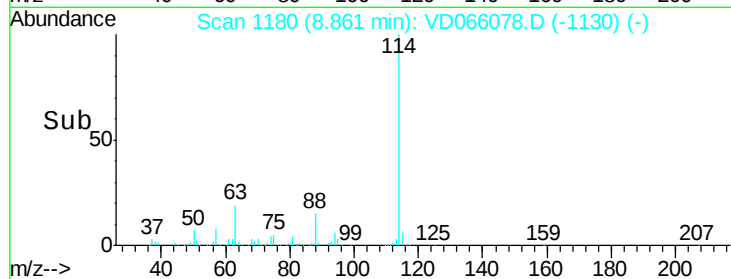
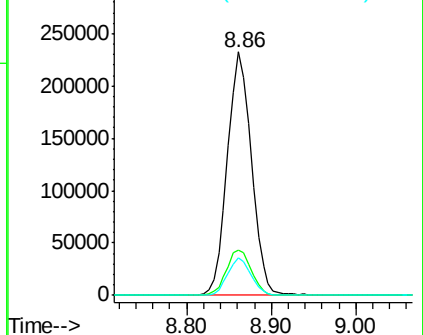
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD066078.D
 Acq: 28 Jul 2020 15:34

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 459136
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.6
 88 15.4 0.0 31.2

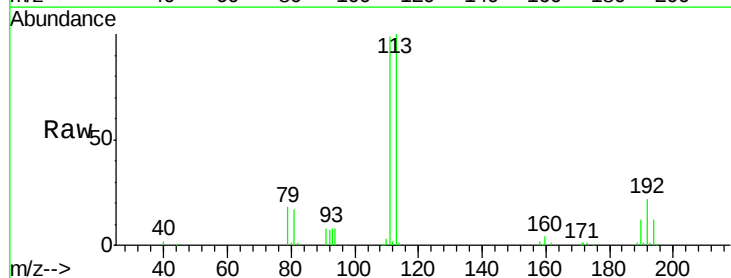


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

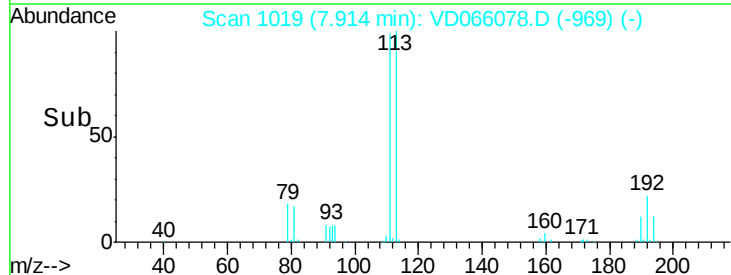
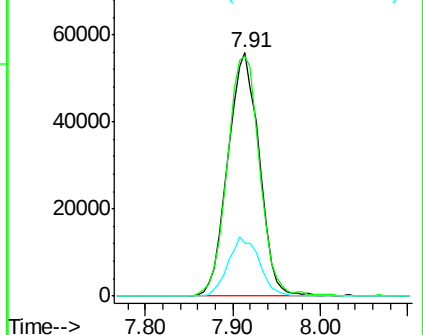


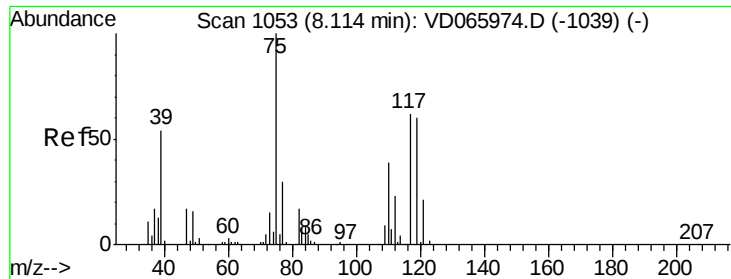
#35
 Dibromofluoromethane
 Concen: 48.949 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066078.D
 Acq: 28 Jul 2020 15:34

Tgt Ion:113 Resp: 136313
 Ion Ratio Lower Upper
 113 100
 111 101.2 83.2 124.8
 192 23.8 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

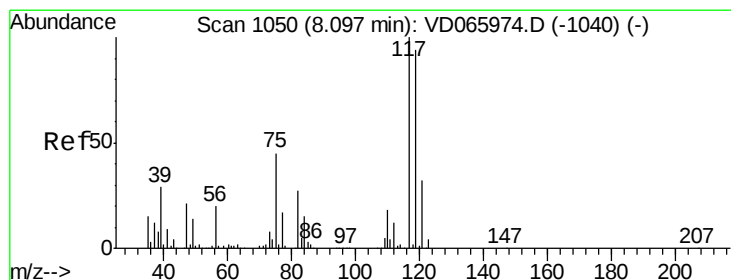
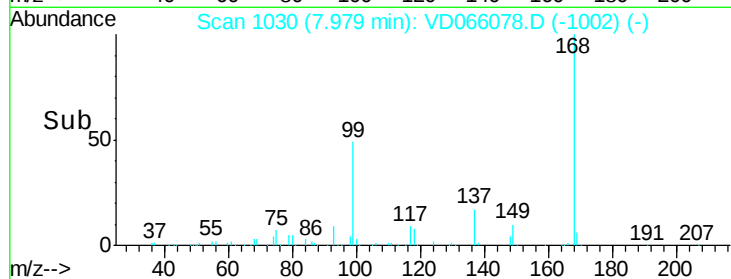
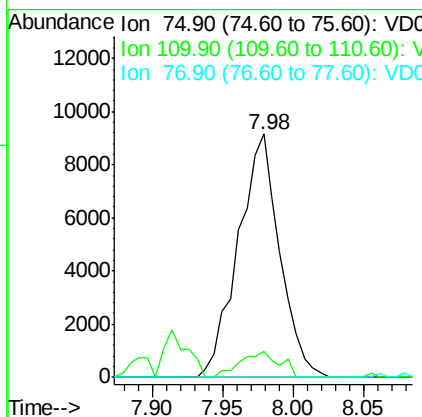
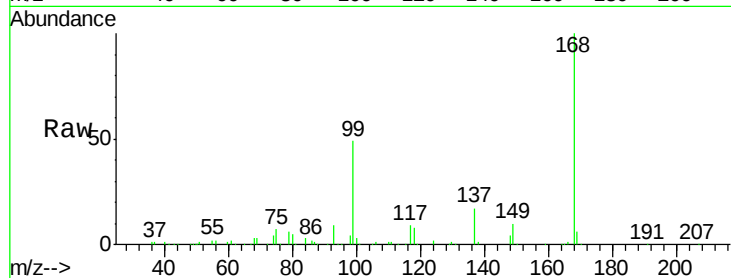




#36
 1,1-Dichloropropene
 Concen: 4.815 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD066078.D
 Acq: 28 Jul 2020 15:34

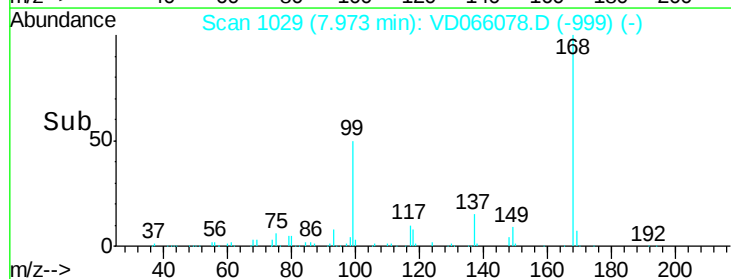
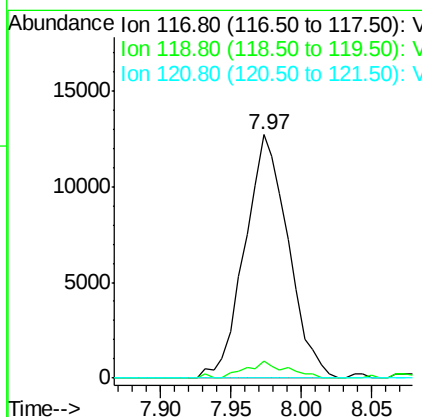
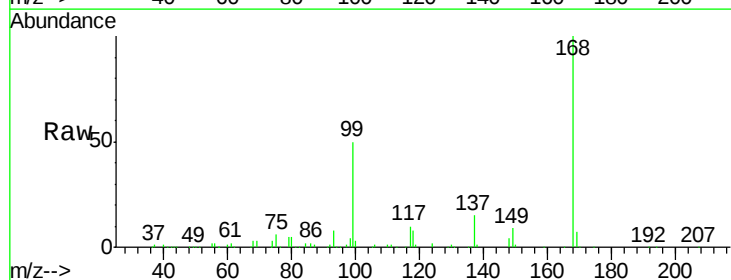
Instrument :
 MSVOA_D
 ClientSampleId :

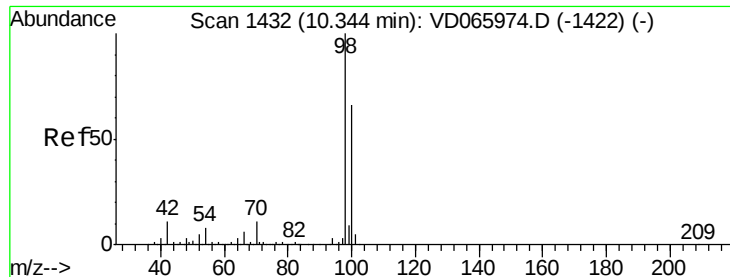
Tot Ion	75	Resp	18866
Ion Ratio	100	Lower	Upper
75	100		
110	10.1	19.5	58.5#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.441 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.12 min
 Lab File: VD066078.D
 Acq: 28 Jul 2020 15:34

Tgt Ion	117	Resp	27384
Ion Ratio	100	Lower	Upper
117	100		
119	7.0	75.0	112.6#
121	0.0	25.5	38.3#





#50

Toluene-d8

Concen: 54.058 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD066078.D

Acq: 28 Jul 2020 15:34

Instrument :

MSVOA_D

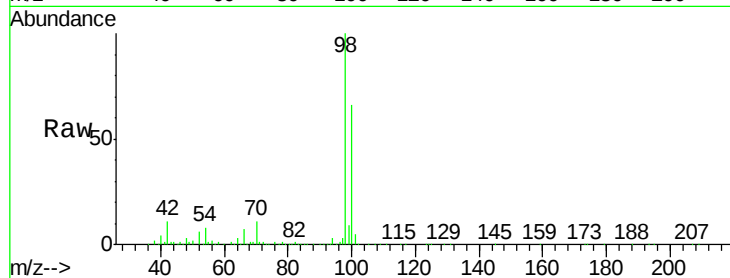
ClientSampleId :

Tot Ion: 98 Resp: 560802

Ion Ratio Lower Upper

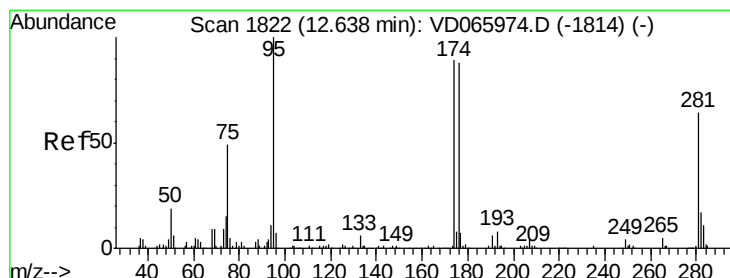
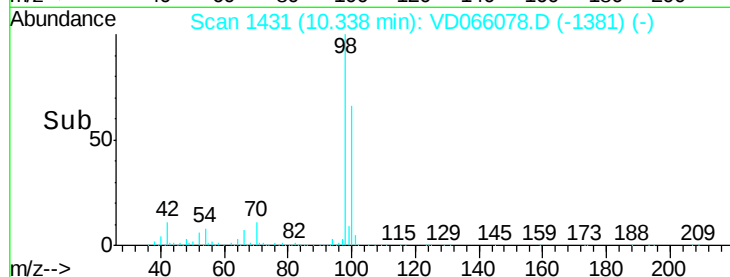
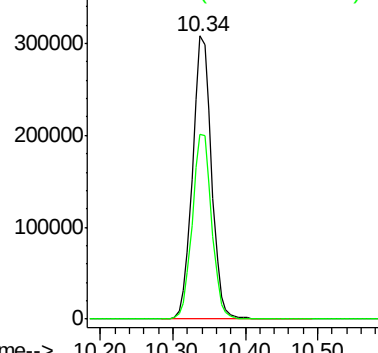
98 100

100 66.7 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 69.866 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD066078.D

Acq: 28 Jul 2020 15:34

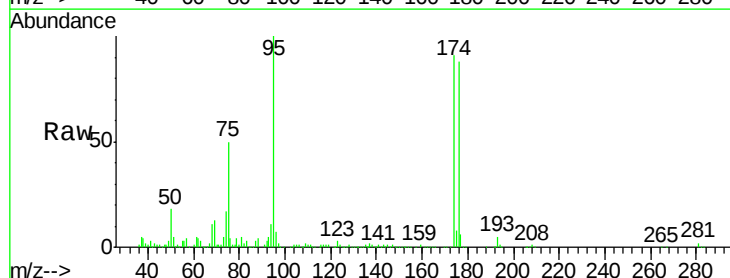
Tgt Ion: 95 Resp: 251315

Ion Ratio Lower Upper

95 100

174 88.1 0.0 178.8

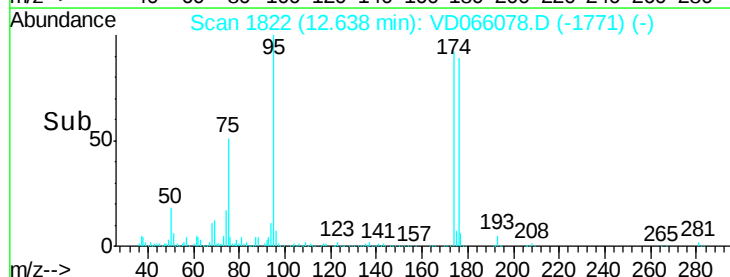
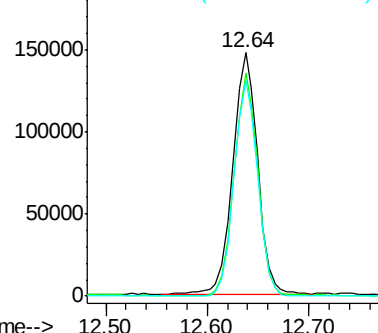
176 85.1 0.0 172.6

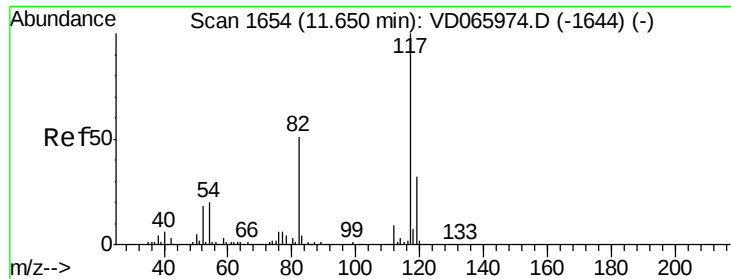


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

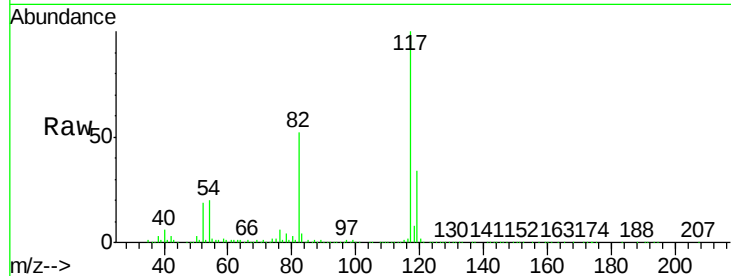




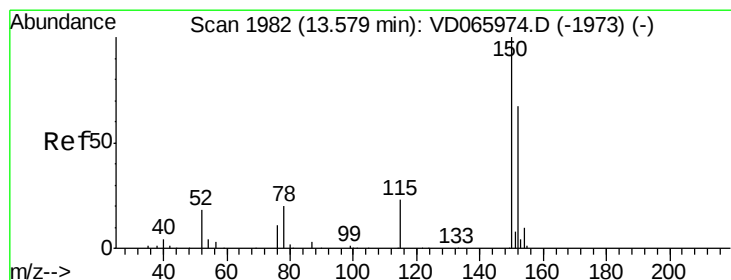
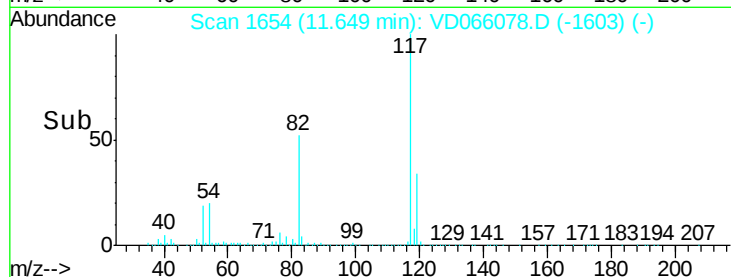
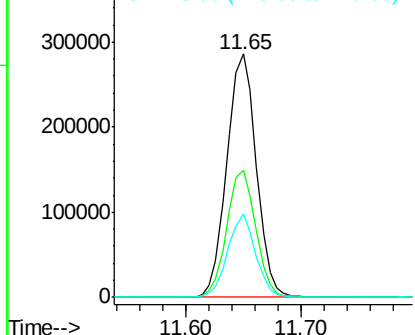
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066078.D
Acq: 28 Jul 2020 15:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	41.1	61.7
119	34.3	25.9	38.9

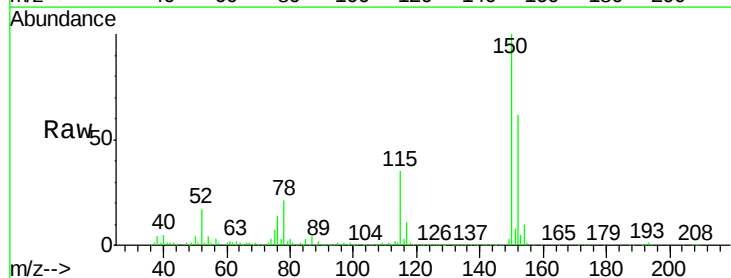


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

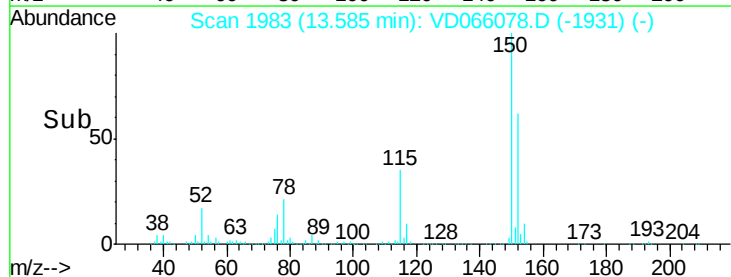
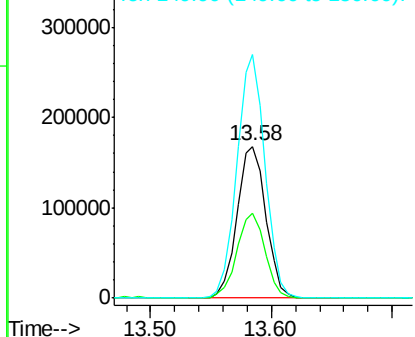


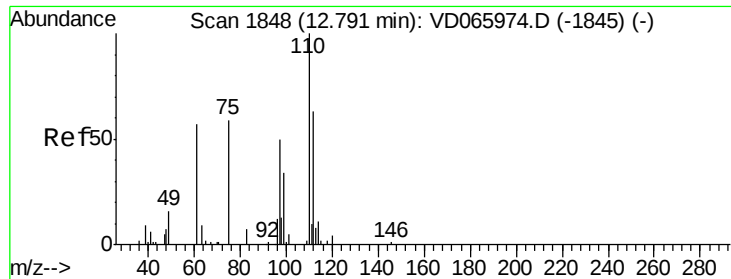
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066078.D
Acq: 28 Jul 2020 15:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.9	83.7
150	155.9	0.0	348.2



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





#76

1,2,3-Trichloropropane

Concen: 57.574 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066078.D

Acq: 28 Jul 2020 15:34

Instrument :

MSVOA_D

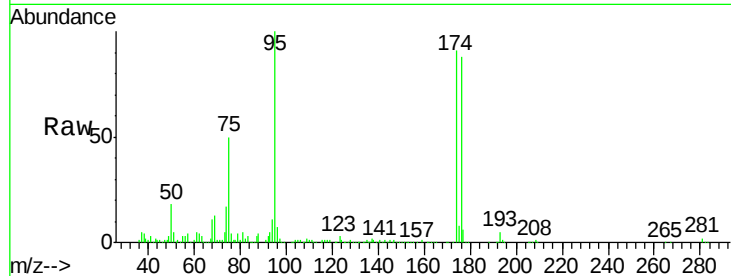
ClientSampled :

Tot Ion: 75 Resp: 121535

Ion Ratio Lower Upper

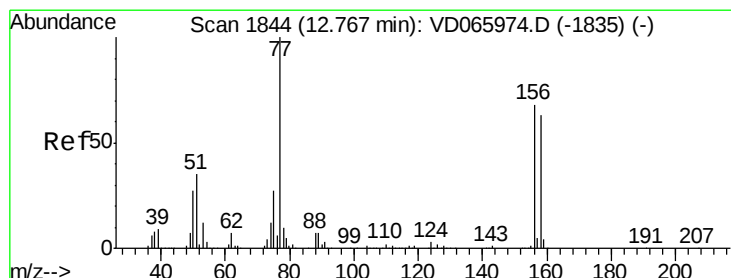
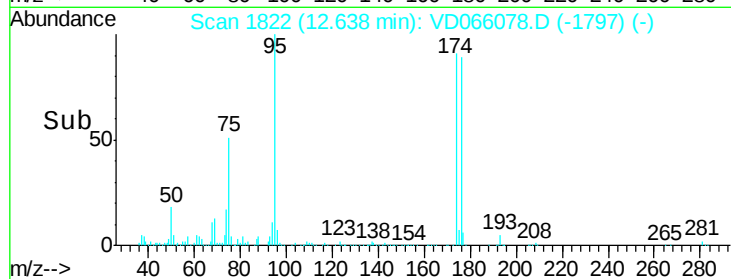
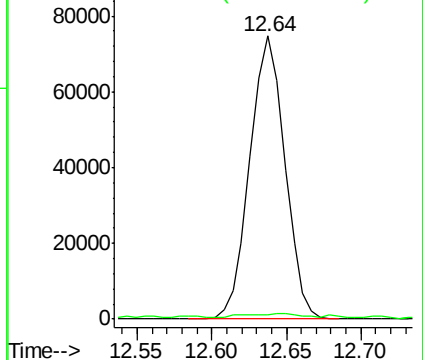
75 100

77 2.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#77

Bromobenzene

Concen: 8.996 ug/l

RT: 12.90 min Scan# 1866

Delta R.T. 0.13 min

Lab File: VD066078.D

Acq: 28 Jul 2020 15:34

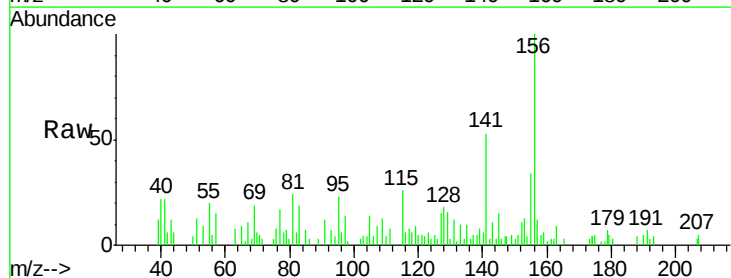
Tgt Ion: 156 Resp: 39003

Ion Ratio Lower Upper

156 100

77 0.0 83.0 249.0#

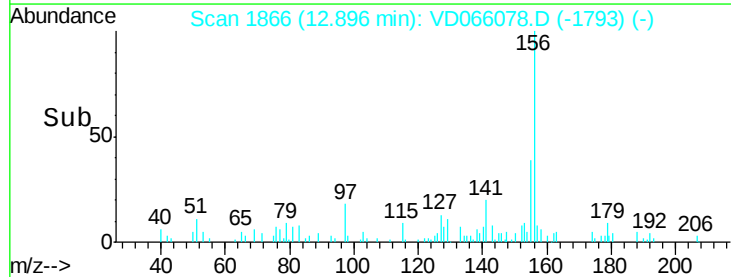
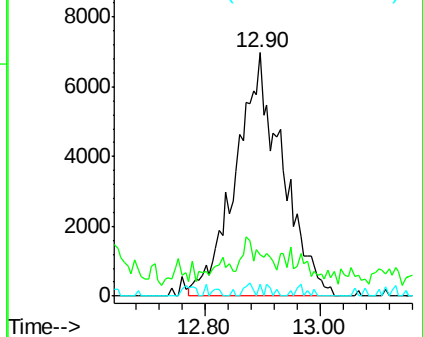
158 0.3 48.2 144.6#

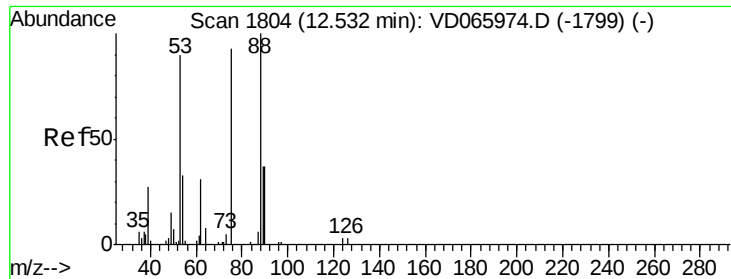


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V

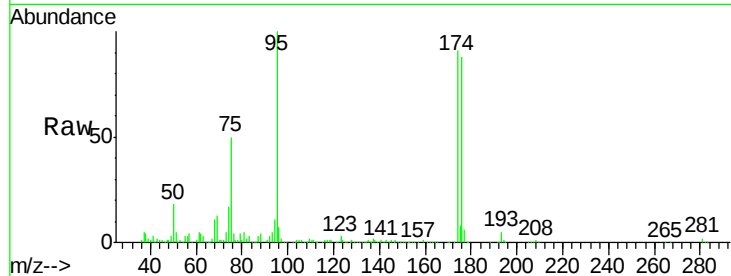




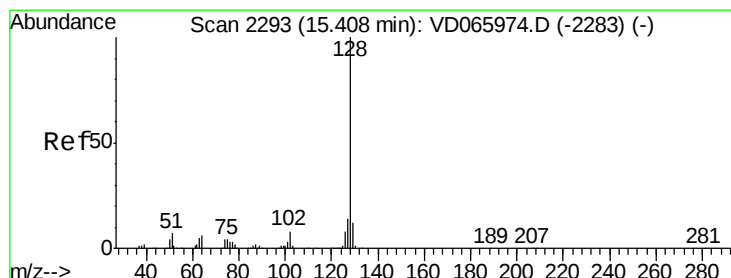
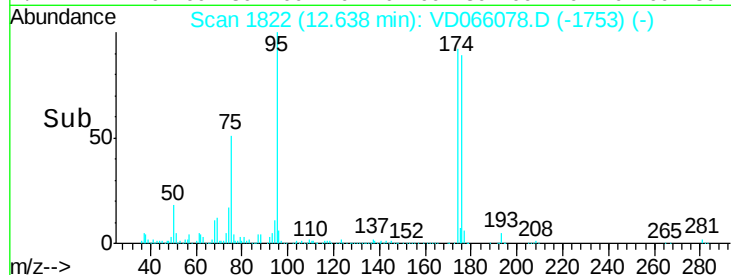
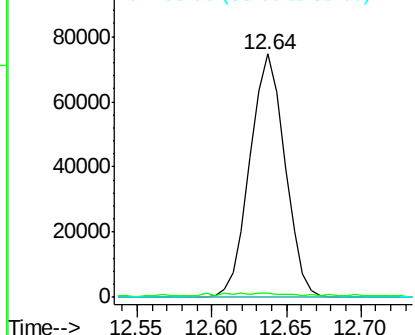
#81
trans-1,4-Dichloro-2-butene
Concen: 132.112 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.11 min
Lab File: VD066078.D
Acq: 28 Jul 2020 15:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 121535
Ion Ratio Lower Upper
75 100
53 0.0 76.8 115.2#
89 0.0 37.0 55.4#

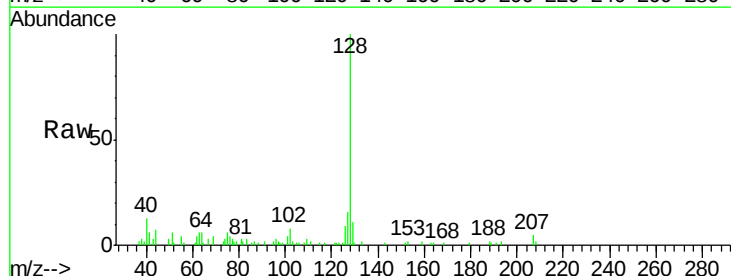


Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#95
Naphthalene
Concen: 6.853 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD066078.D
Acq: 28 Jul 2020 15:34

Tgt Ion:128 Resp: 31678
Ion Ratio Lower Upper
128 100
127 12.9 10.8 16.2
129 12.3 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

