

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD072720\
 Data File : VD066069.D
 Acq On : 27 Jul 2020 16:14
 Operator : VA/SY
 Sample : L3436-22
 Misc : 7.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 22

Quant Time: Jul 27 17:50:52 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	282964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	422593	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	447604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	228439	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	110456	47.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.94%	
35) Dibromofluoromethane	7.92	113	129172	50.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.80%	
50) Toluene-d8	10.34	98	519723	54.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.86%	
62) 4-Bromofluorobenzene	12.64	95	205593	62.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	124.20%	

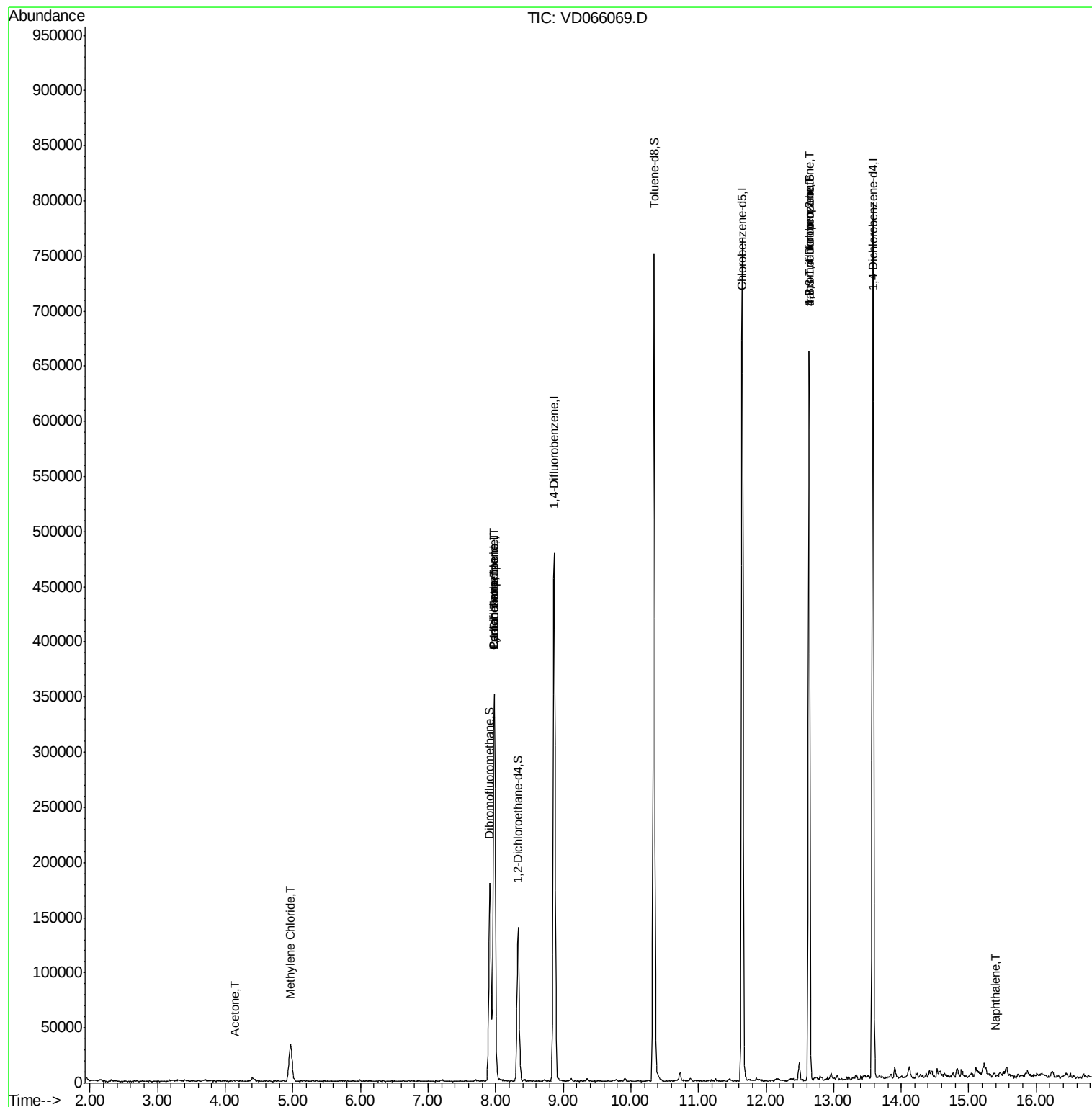
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	96	Below Cal	#	57
11) Tert butyl alcohol	5.23	59	86	Below Cal	#	83
16) Acetone	4.15	43	621	1.332	ug/l #	42
20) Methylene Chloride	4.96	84	25983	7.566	ug/l	96
31) Cyclohexane	7.98	56	5302	1.280	ug/l #	38
36) 1,1-Dichloropropene	7.98	75	18001	4.991	ug/l #	49
38) Carbon Tetrachloride	7.98	117	26048	6.656	ug/l #	19
76) 1,2,3-Trichloropropane	12.64	75	104152	60.552	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	104152	138.947	ug/l #	11
95) Naphthalene	15.40	128	424	3.601	ug/l #	64

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD072720\
Data File : VD066069.D
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Sample : L3436-22
Misc : 7.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
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22

Quant Time: Jul 27 17:50:52 2020
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: VD066069.D

Acq: 27 Jul 2020 16:14

Instrument :

MSVOA_D

ClientSampleId :

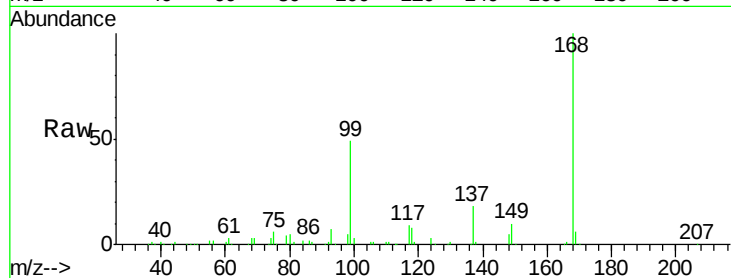
22

Tgt Ion:168 Resp: 282964

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

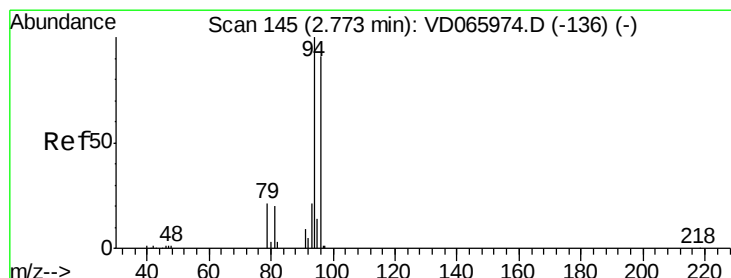
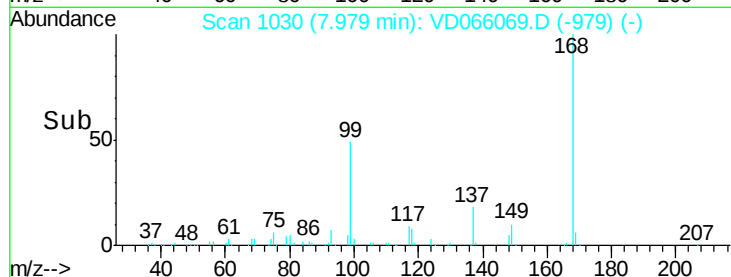
100000

50000

0

Time-->

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: VD066069.D

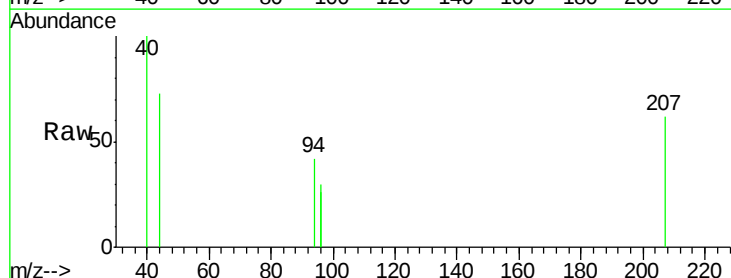
Acq: 27 Jul 2020 16:14

Tgt Ion: 94 Resp: 96

Ion Ratio Lower Upper

94 100

96 131.6 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

300

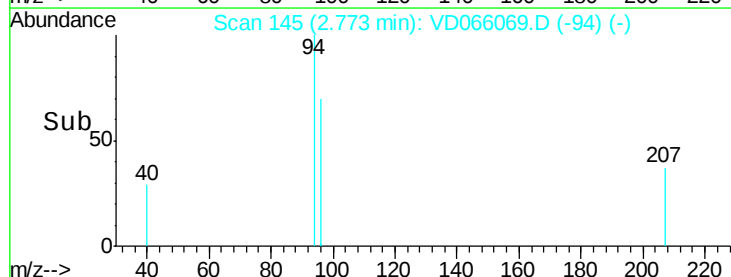
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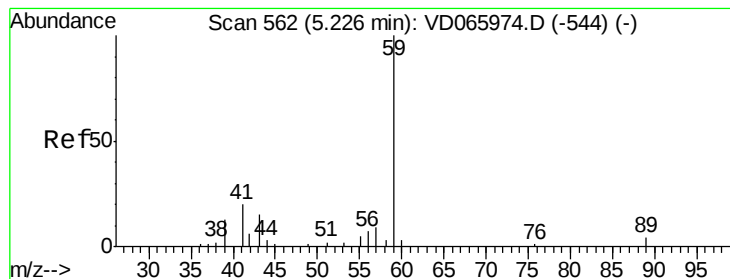
100

0

Time-->

2.75 2.76 2.77 2.78 2.79



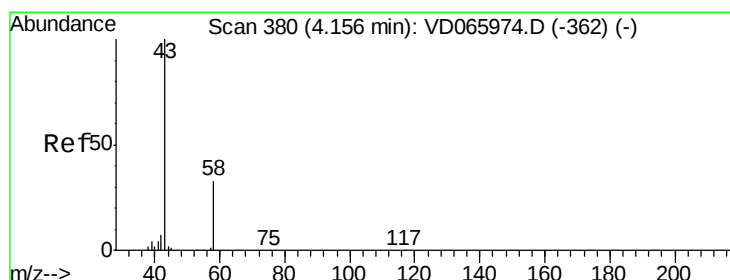
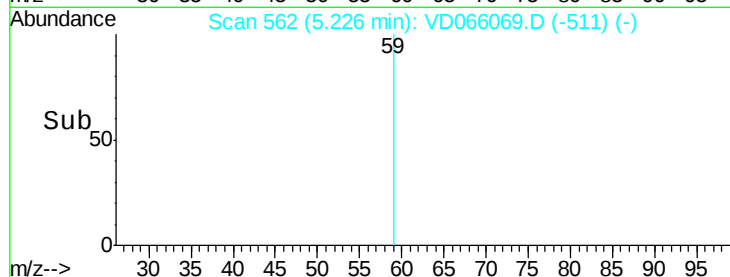
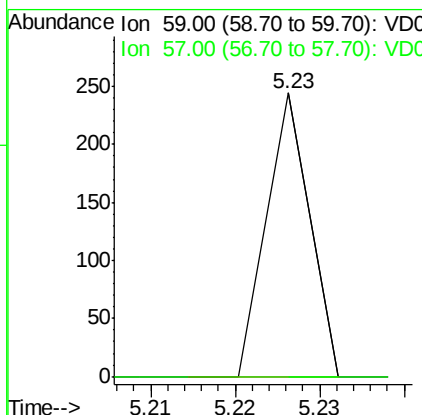
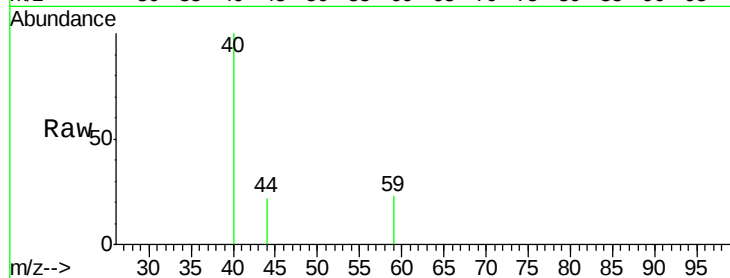


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VD066069.D
 Acq: 27 Jul 2020 16:14

Instrument :
 MSVOA_D
 ClientSampled :
 22

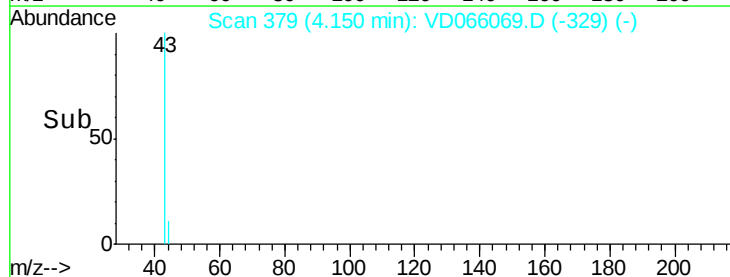
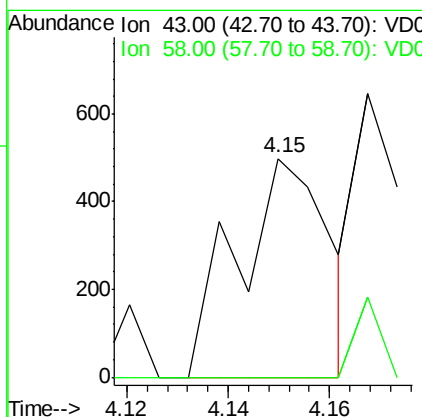
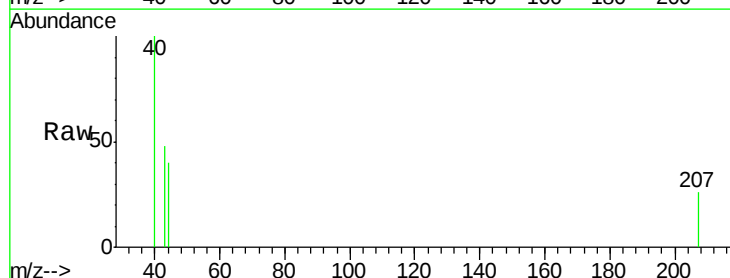
Tgt Ion: 59 Resp: 86
 Ion Ratio Lower Upper
 59 100
 57 0.0 4.5 6.7#

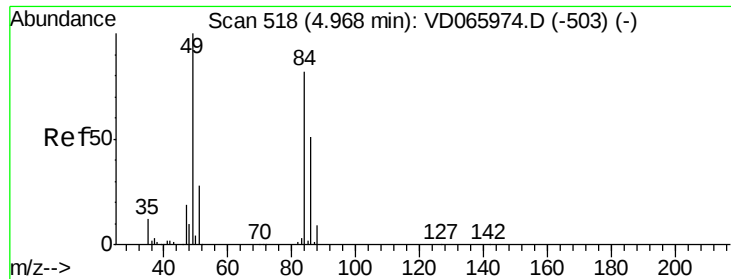


#16

Acetone
 Concen: 1.332 ug/l
 RT: 4.15 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VD066069.D
 Acq: 27 Jul 2020 16:14

Tgt Ion: 43 Resp: 621
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.3 39.5#

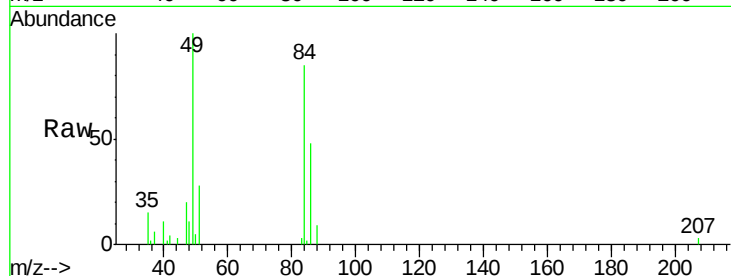




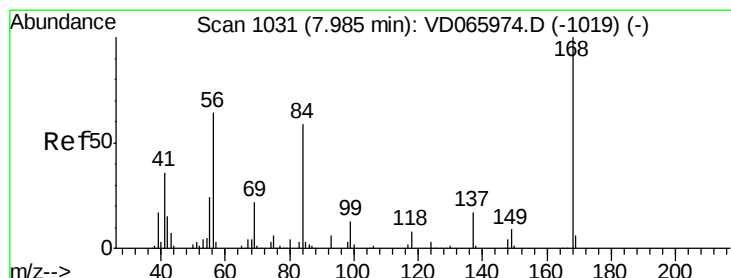
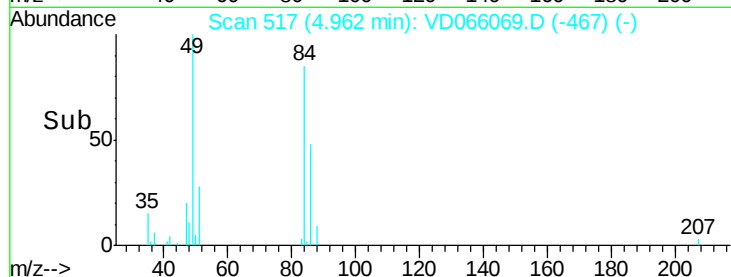
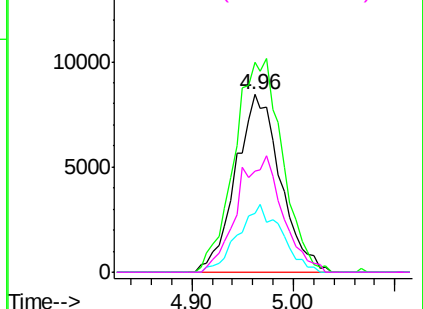
#20
Methylene Chloride
Concen: 7.566 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066069.D
Acq: 27 Jul 2020 16:14

Instrument :
MSVOA_D
ClientSampleId :
22

Tgt Ion:	84	Resp:	25983
Ion	Ratio	Lower	Upper
84	100		
49	118.1	97.7	146.5
51	33.3	27.4	41.2
86	57.2	49.4	74.2

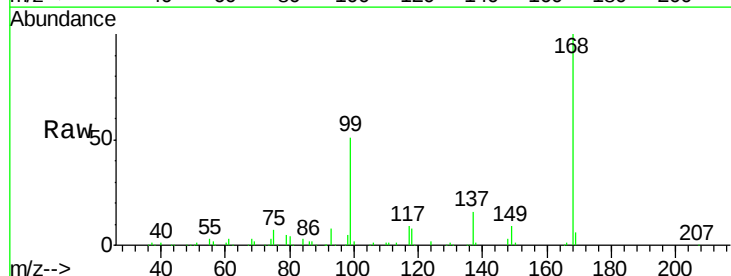


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

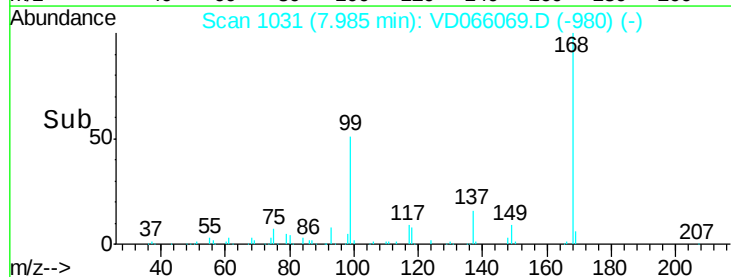
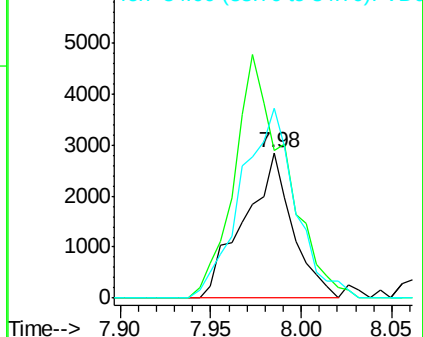


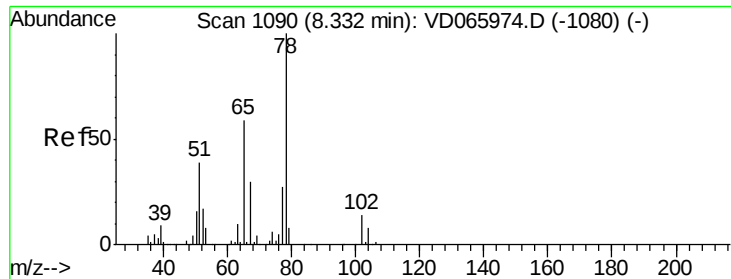
#31
Cyclohexane
Concen: 1.280 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD066069.D
Acq: 27 Jul 2020 16:14

Tgt Ion:	56	Resp:	5302
Ion	Ratio	Lower	Upper
56	100		
69	101.3	28.0	42.0#
84	130.3	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

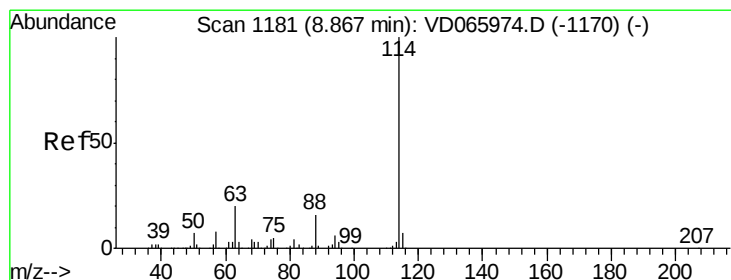
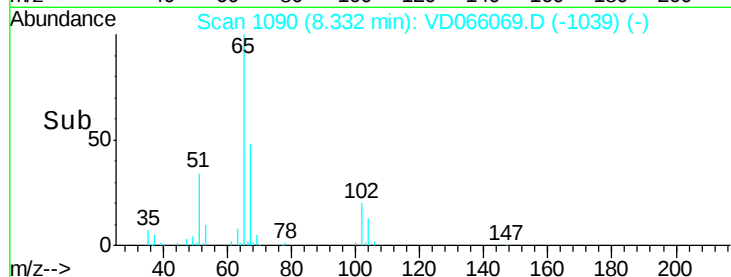
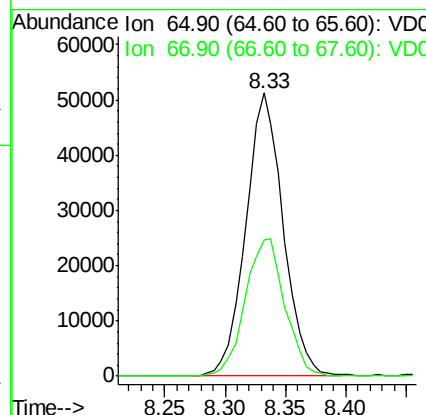
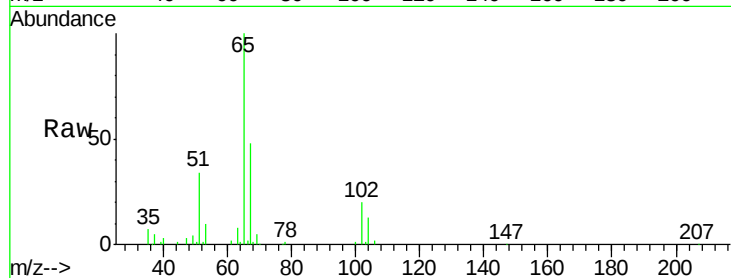




#33
 1,2-Dichloroethane-d4
 Concen: 47.973 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD066069.D
 Acq: 27 Jul 2020 16:14

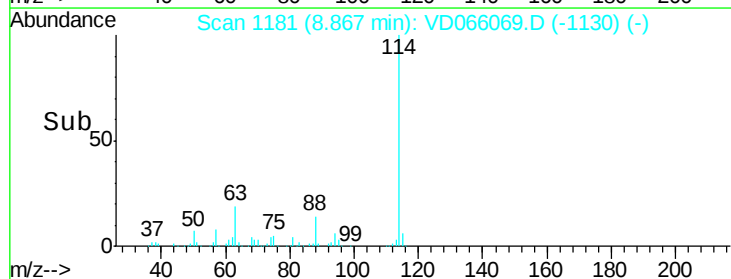
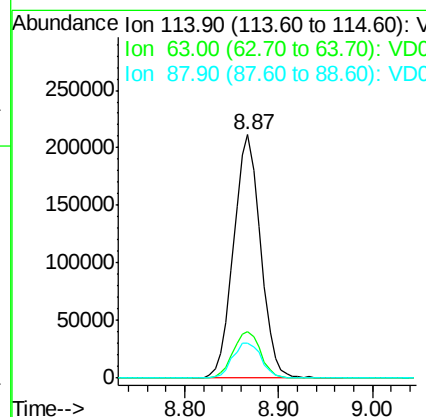
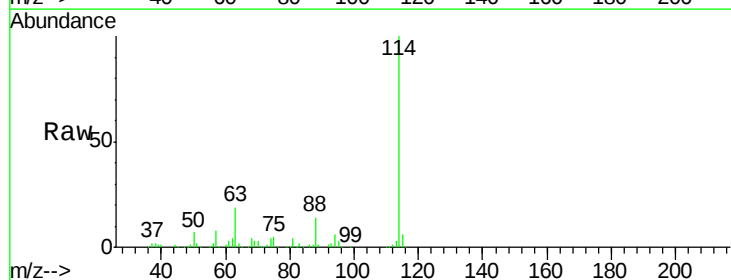
Instrument :
 MSVOA_D
 ClientSampleId :
 22

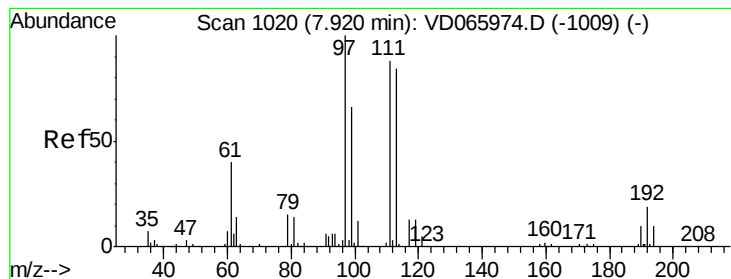
Tgt Ion: 65 Resp: 110456
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD066069.D
 Acq: 27 Jul 2020 16:14

Tgt Ion: 114 Resp: 422593
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.6
 88 14.5 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.396 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD066069.D

Acq: 27 Jul 2020 16:14

Instrument :

MSVOA_D

ClientSampled :

22

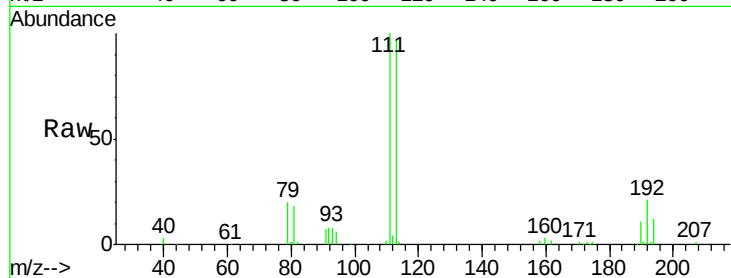
Tgt Ion:113 Resp: 129172

Ion Ratio Lower Upper

113 100

111 101.7 83.2 124.8

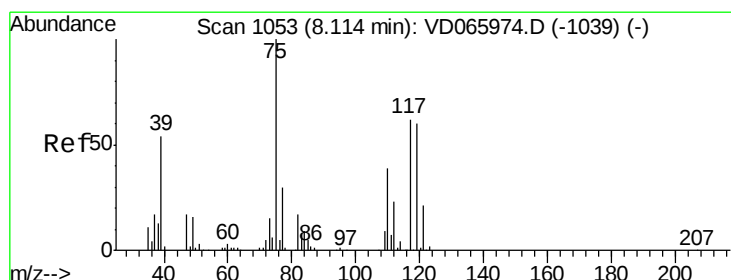
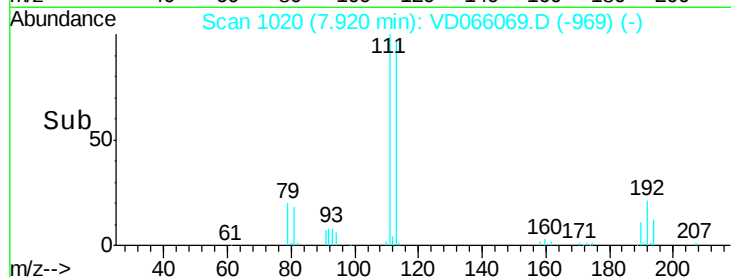
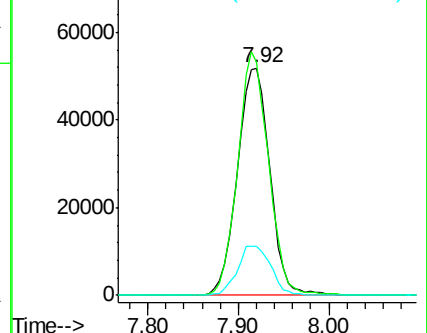
192 22.3 18.7 28.1



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: 4.991 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD066069.D

Acq: 27 Jul 2020 16:14

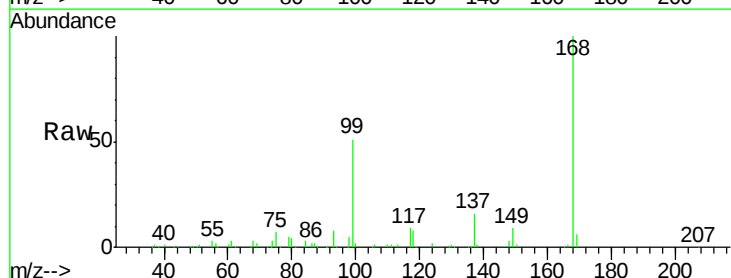
Tgt Ion: 75 Resp: 18001

Ion Ratio Lower Upper

75 100

110 10.3 19.5 58.5#

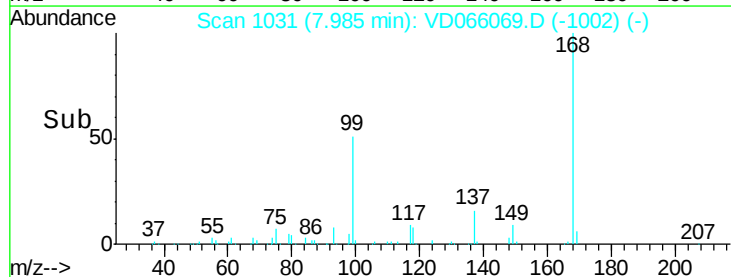
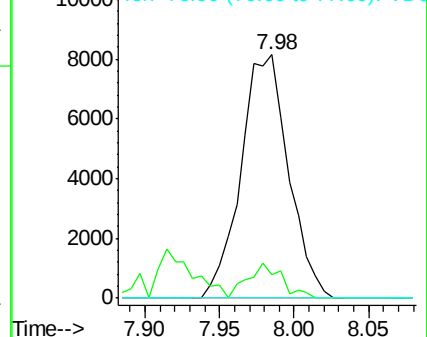
77 0.0 24.7 37.1#

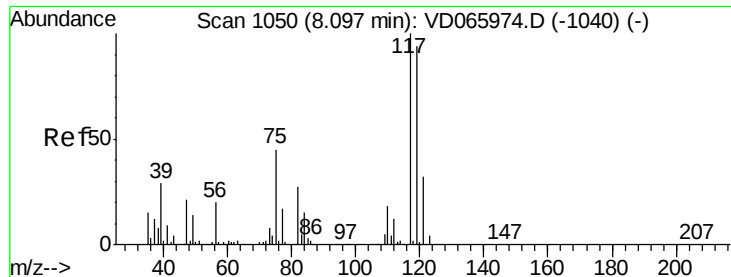


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.656 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD066069.D

Acq: 27 Jul 2020 16:14

Instrument :

MSVOA_D

ClientSampleId :

22

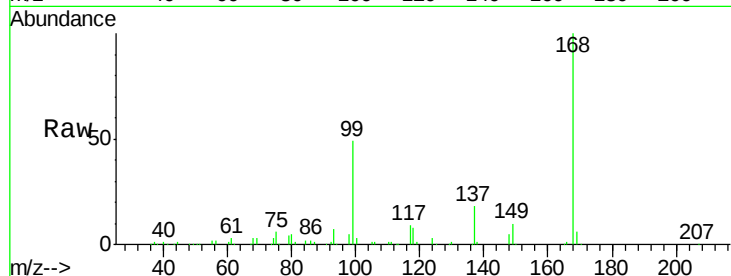
Tgt Ion:117 Resp: 26048

Ion Ratio Lower Upper

117 100

119 7.4 75.0 112.6#

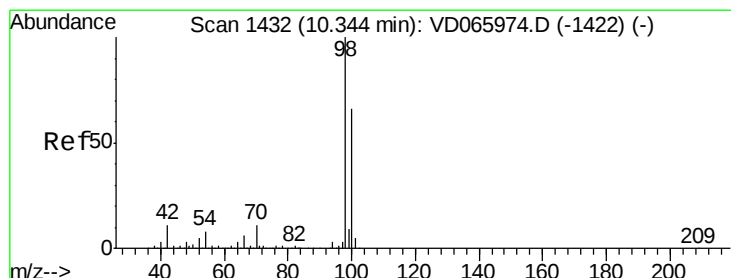
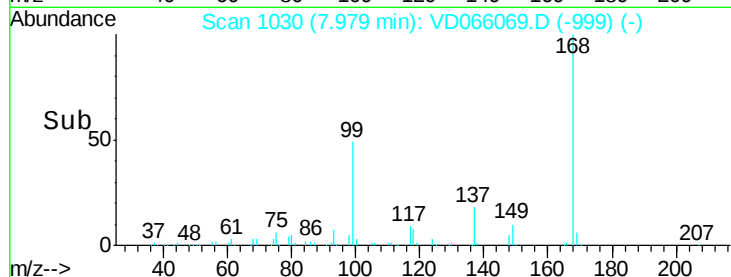
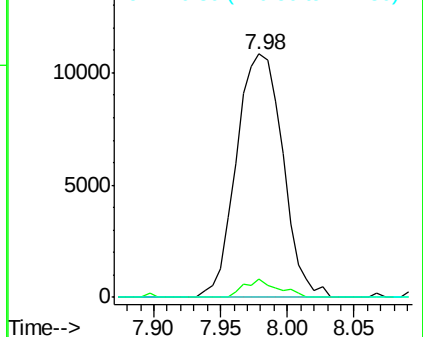
121 0.0 25.5 38.3#



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: 54.430 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD066069.D

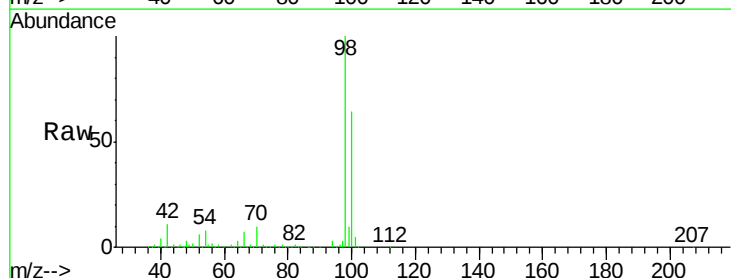
Acq: 27 Jul 2020 16:14

Tgt Ion: 98 Resp: 519723

Ion Ratio Lower Upper

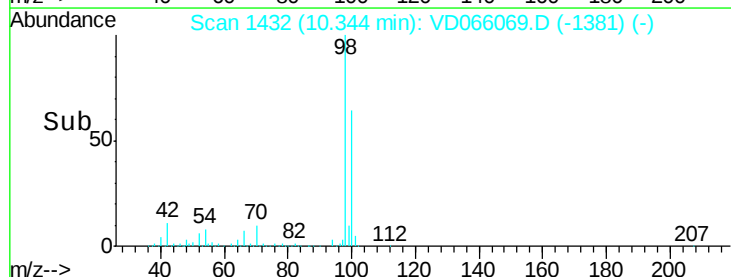
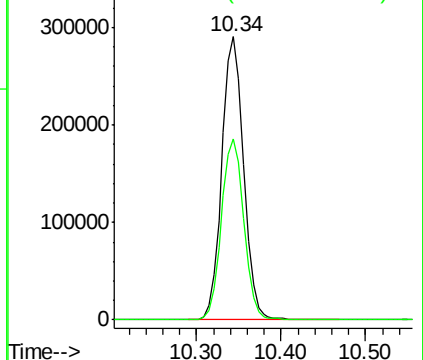
98 100

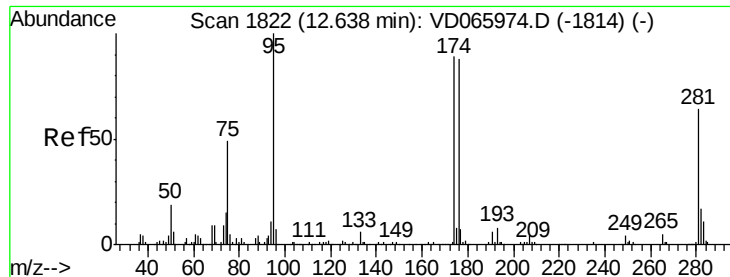
100 65.8 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

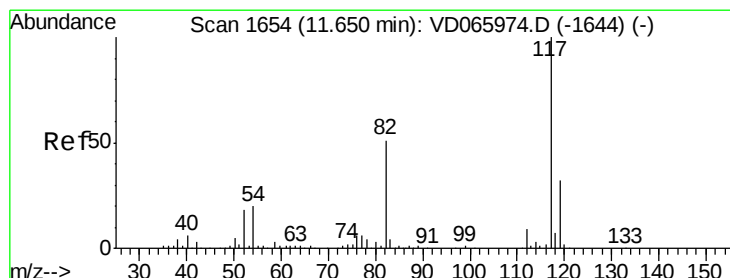
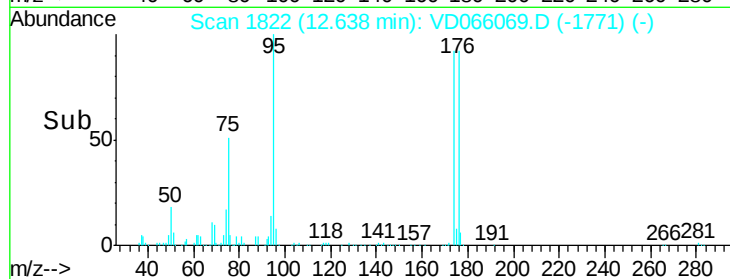
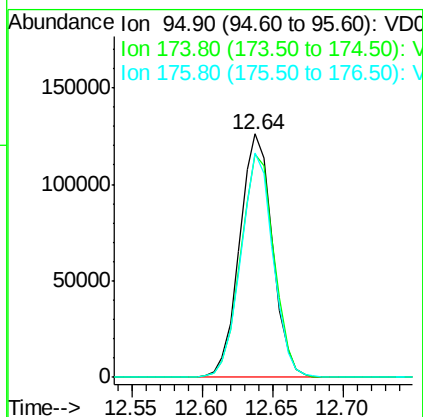
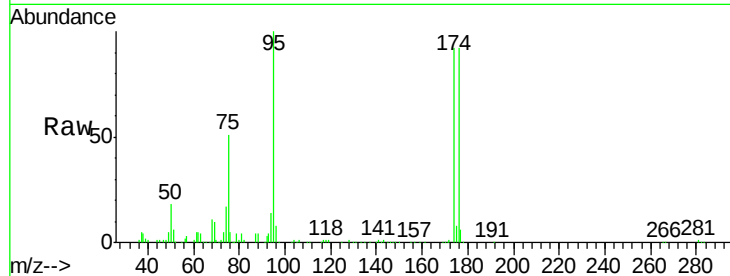




#62
4-Bromofluorobenzene
Concen: 62.098 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD066069.D
Acq: 27 Jul 2020 16:14

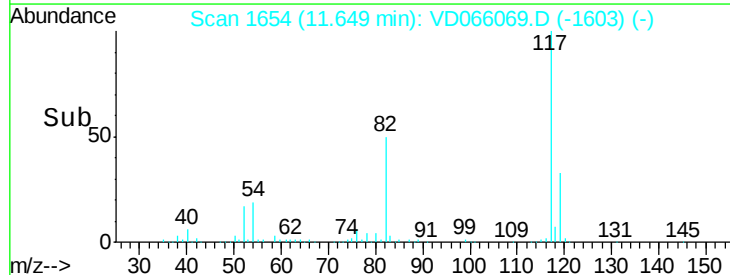
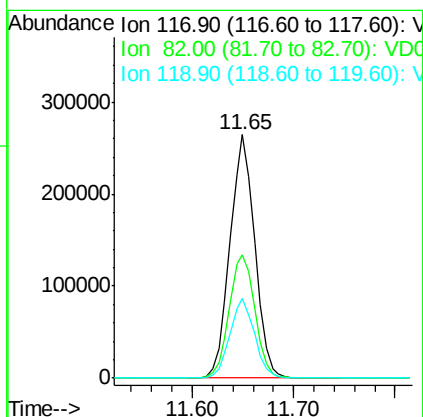
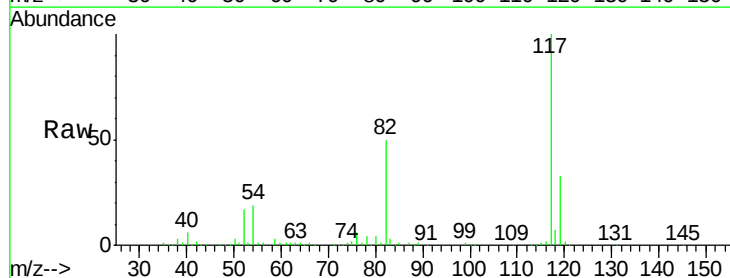
Instrument :
MSVOA_D
ClientSampleId :
22

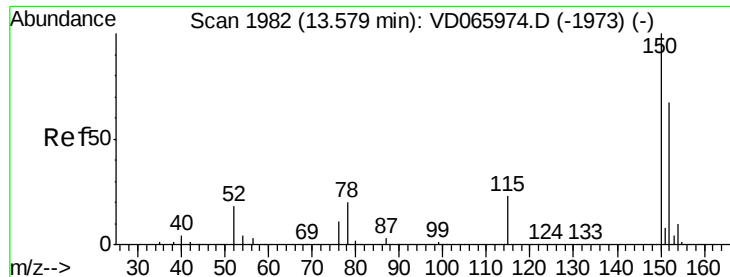
Tgt Ion: 95 Resp: 205593
Ion Ratio Lower Upper
95 100
174 93.2 0.0 178.8
176 90.4 0.0 172.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066069.D
Acq: 27 Jul 2020 16:14

Tgt Ion: 117 Resp: 447604
Ion Ratio Lower Upper
117 100
82 50.5 41.1 61.7
119 32.9 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: VD066069.D

Acq: 27 Jul 2020 16:14

Instrument :

MSVOA_D

ClientSampleId :

22

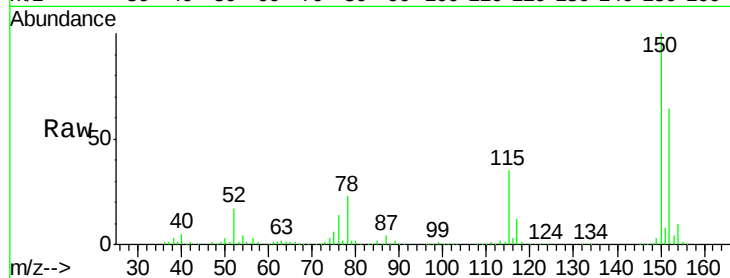
Tgt Ion: 152 Resp: 228439

Ion Ratio Lower Upper

152 100

115 54.8 27.9 83.7

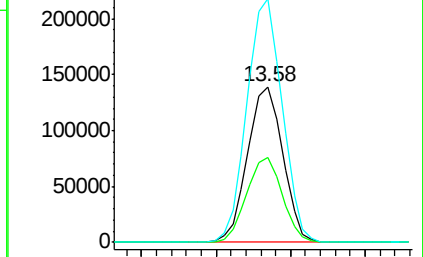
150 156.0 0.0 348.2



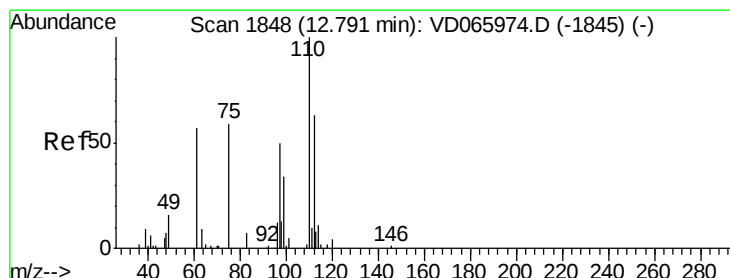
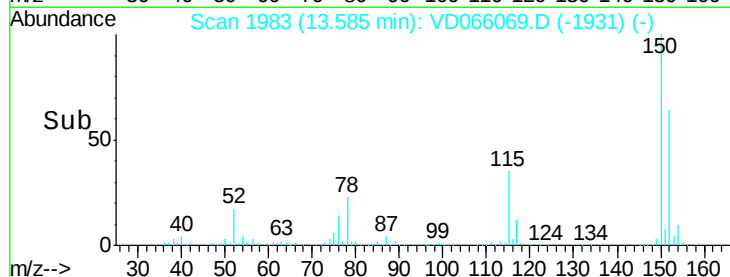
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->



#76

1,2,3-Trichloropropane

Concen: 60.552 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066069.D

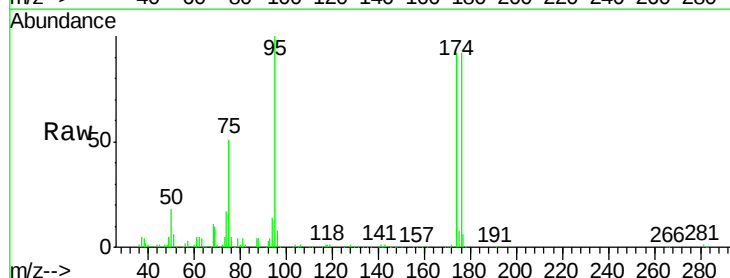
Acq: 27 Jul 2020 16:14

Tgt Ion: 75 Resp: 104152

Ion Ratio Lower Upper

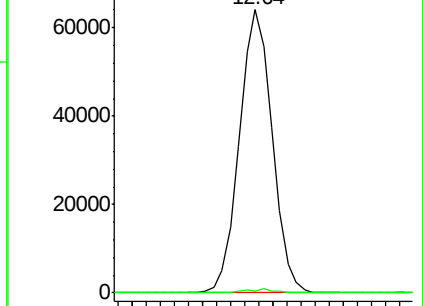
75 100

77 1.1 0.0 0.0#

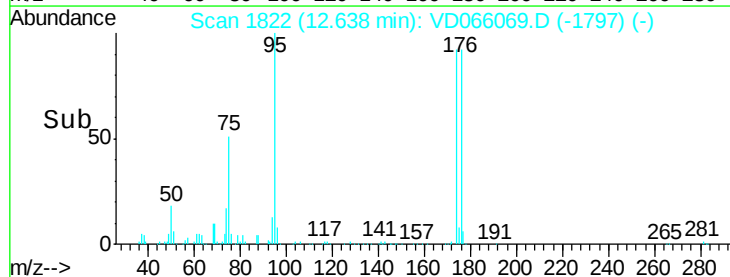


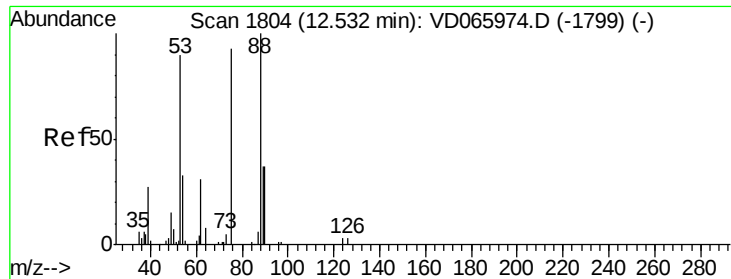
Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 138.947 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066069.D

Acq: 27 Jul 2020 16:14

Instrument :

MSVOA_D

ClientSampleId :

22

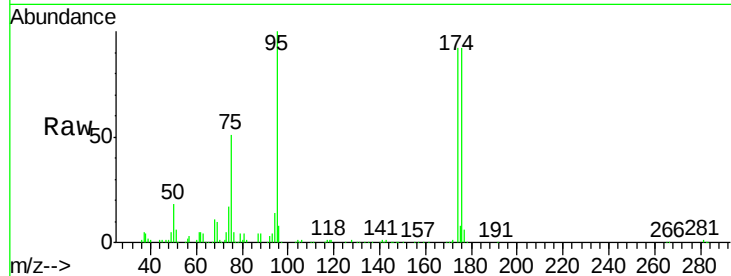
Tgt Ion: 75 Resp: 104152

Ion Ratio Lower Upper

75 100

53 0.0 76.8 115.2#

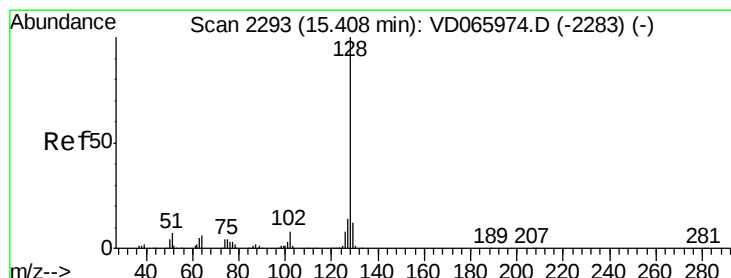
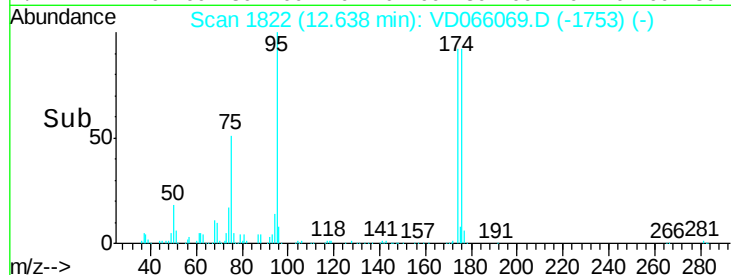
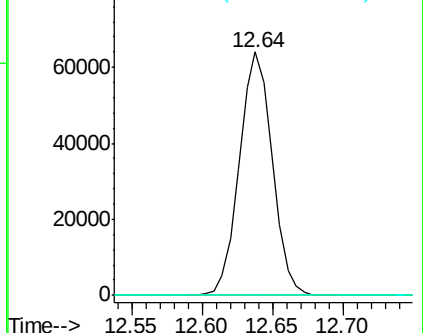
89 0.1 37.0 55.4#



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: 3.601 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD066069.D

Acq: 27 Jul 2020 16:14

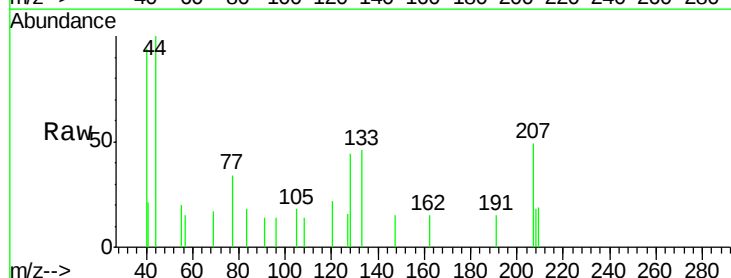
Tgt Ion: 128 Resp: 424

Ion Ratio Lower Upper

128 100

127 30.2 10.8 16.2#

129 0.0 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

