

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
 Data File : VD066026.D
 Acq On : 23 Jul 2020 16:02
 Operator : VA/SY
 Sample : L3381-10
 Misc : 8.12G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 359-GRID-A1-A3

Quant Time: Jul 24 03:06:35 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	322169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	522654	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	550974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	277553	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	133478	50.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.84%	
35) Dibromofluoromethane	7.92	113	158619	50.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.08%	
50) Toluene-d8	10.34	98	639607	54.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.32%	
62) 4-Bromofluorobenzene	12.64	95	247096	60.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	120.68%	

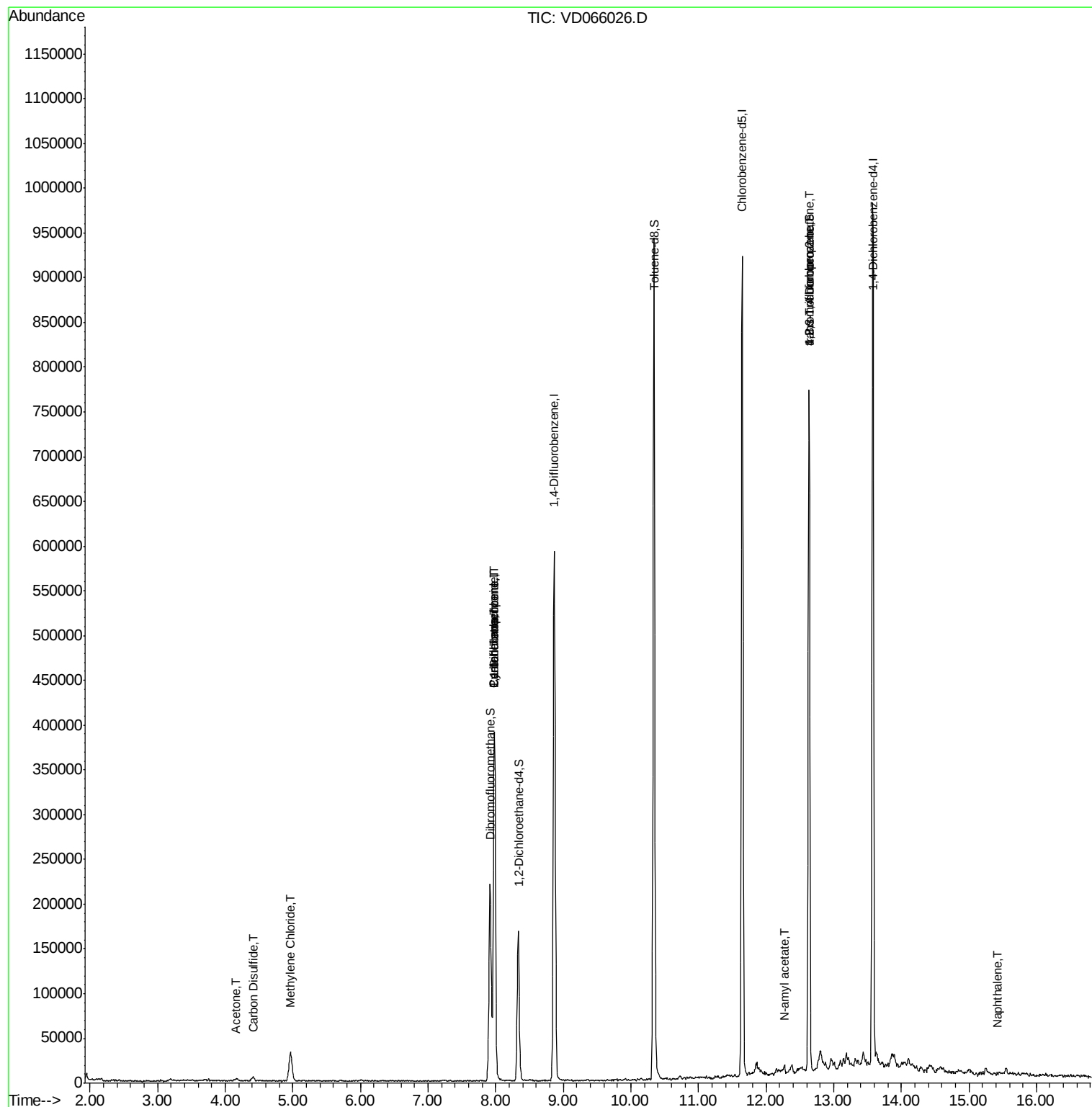
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.79	94	74	Below Cal	#	4
16) Acetone	4.16	43	4709	8.875	ug/l	93
17) Carbon Disulfide	4.41	76	8988	1.040	ug/l #	93
20) Methylene Chloride	4.96	84	24593	5.758	ug/l	91
31) Cyclohexane	7.98	56	5691	1.207	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	21223	4.758	ug/l #	50
38) Carbon Tetrachloride	7.98	117	29649	6.126	ug/l #	16
74) N-amyl acetate	12.27	43	4009	1.151	ug/l #	50
76) 1,2,3-Trichloropropane	12.64	75	120146	57.491	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	120146	131.921	ug/l #	11
95) Naphthalene	15.41	128	915	3.644	ug/l #	76

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072320\
Data File : VD066026.D
Acq On : 23 Jul 2020 16:02
Operator : VA/SY
Sample : L3381-10
Misc : 8.12G/5.00ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
359-GRID-A1-A3

Quant Time: Jul 24 03:06:35 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: VD066026.D

Acq: 23 Jul 2020 16:02

Instrument :

MSVOA_D

ClientSampleId :

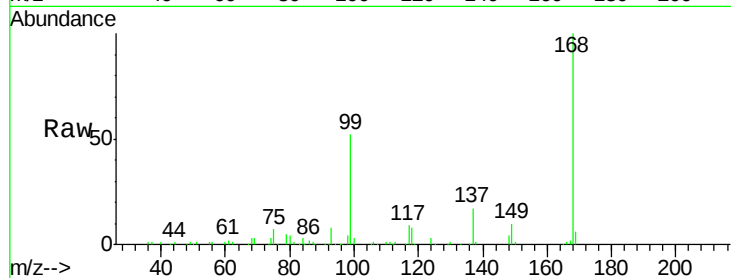
359-GRID-A1-A3

Tot Ion:168 Resp: 322169

Ion Ratio Lower Upper

168 100

99 52.1 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

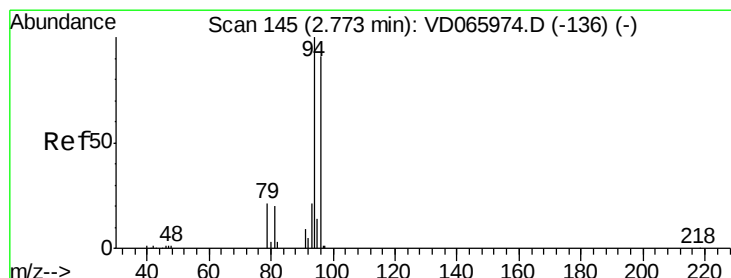
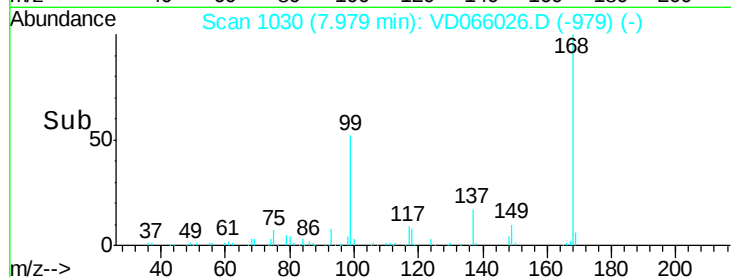
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD066026.D

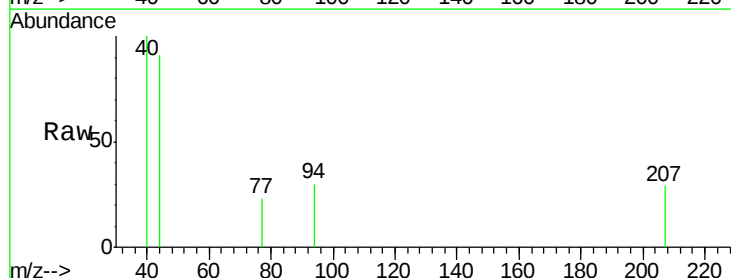
Acq: 23 Jul 2020 16:02

Tgt Ion: 94 Resp: 74

Ion Ratio Lower Upper

94 100

96 0.0 73.0 109.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.79

250

200

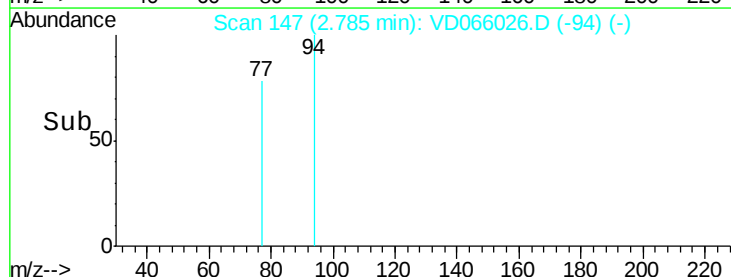
150

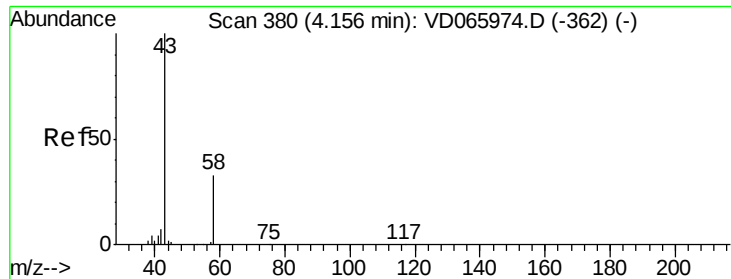
100

50

0

Time-->





#16

Acetone

Concen: 8.875 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066026.D

Acq: 23 Jul 2020 16:02

Instrument :

MSVOA_D

ClientSampleId :

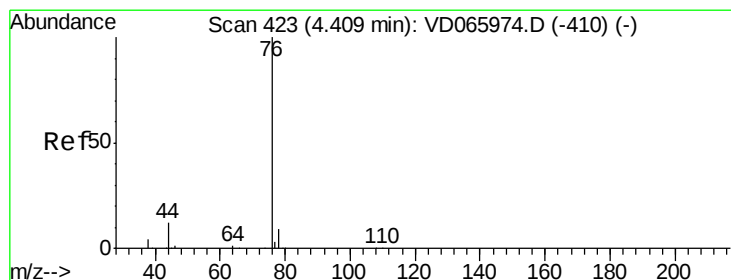
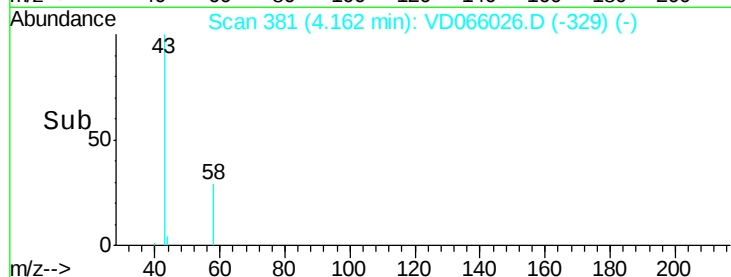
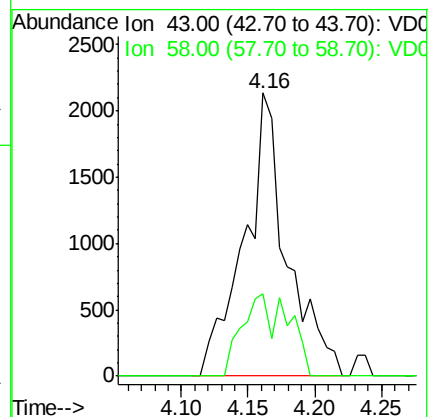
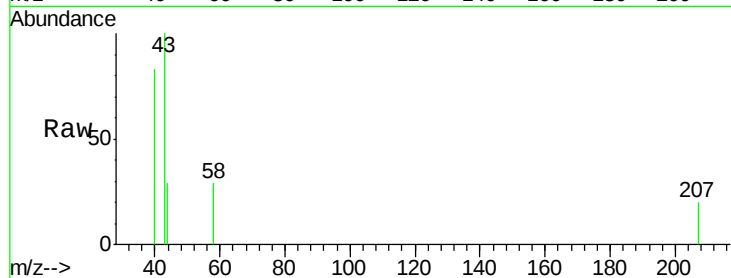
359-GRID-A1-A3

Tot Ion: 43 Resp: 4709

Ion Ratio Lower Upper

43 100

58 29.1 26.3 39.5



#17

Carbon Disulfide

Concen: 1.040 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066026.D

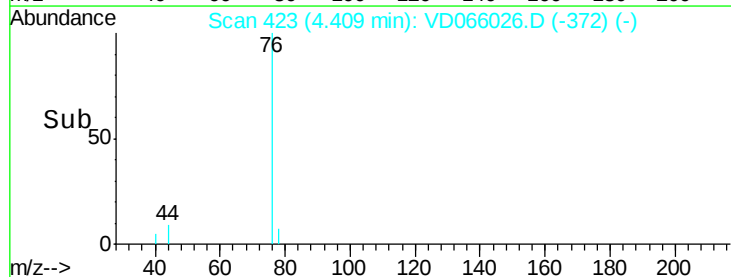
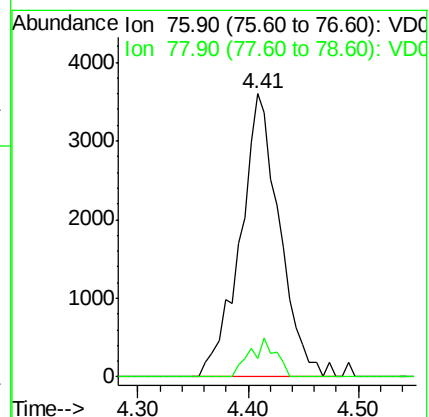
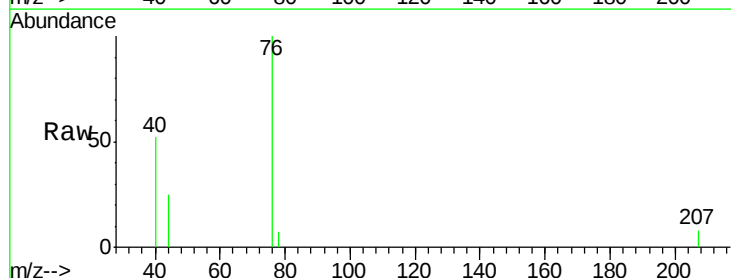
Acq: 23 Jul 2020 16:02

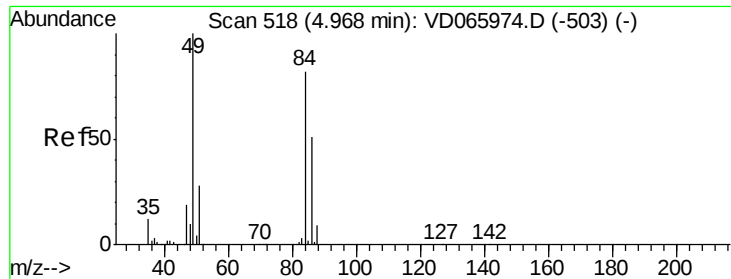
Tgt Ion: 76 Resp: 8988

Ion Ratio Lower Upper

76 100

78 6.6 7.4 11.2#

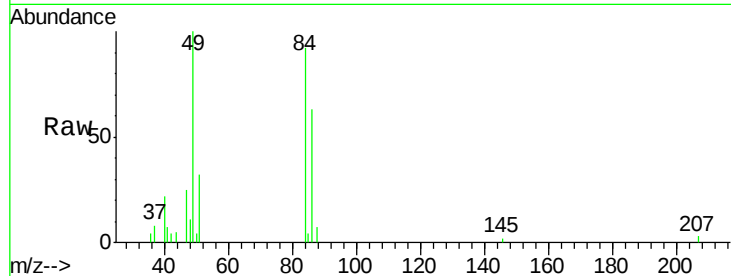




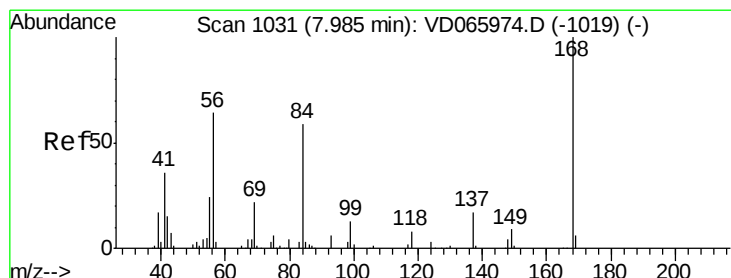
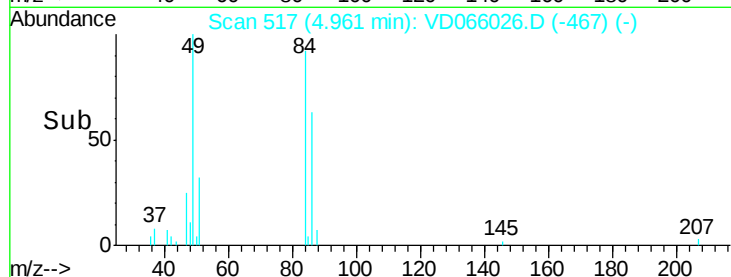
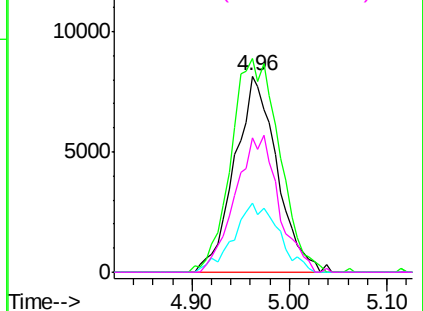
#20
Methvlene Chloride
Concen: 5.758 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066026.D
Acq: 23 Jul 2020 16:02

Instrument :
MSVOA_D
ClientSampleId :
359-GRID-A1-A3

Tot Ion: 84 Resp: 24593
Ion Ratio Lower Upper
84 100
49 108.8 97.7 146.5
51 35.1 27.4 41.2
86 68.2 49.4 74.2

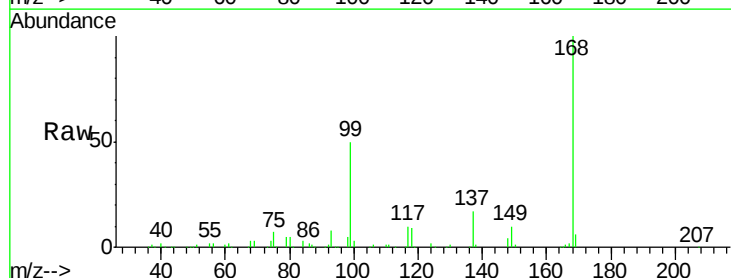


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

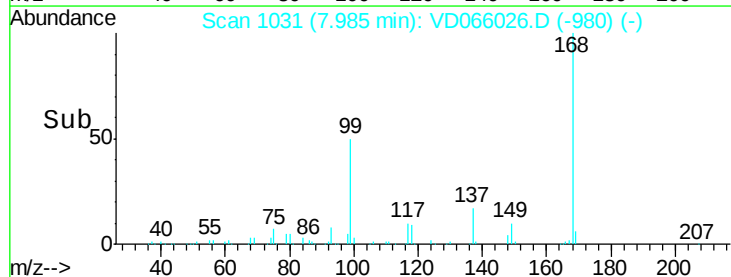
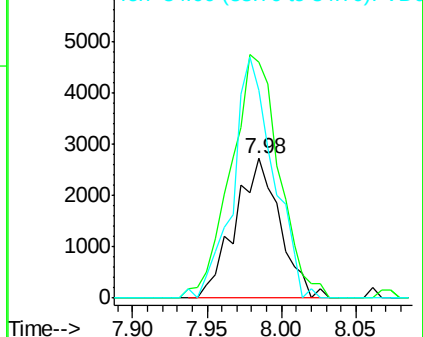


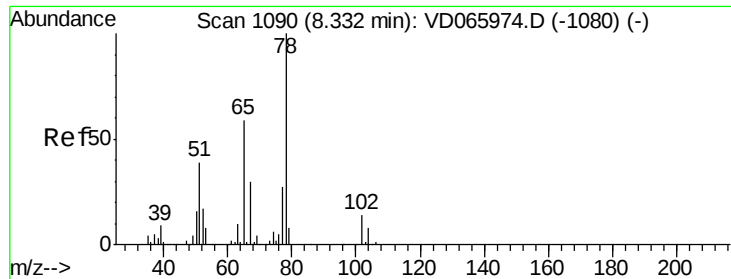
#31
Cyclohexane
Concen: 1.207 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD066026.D
Acq: 23 Jul 2020 16:02

Tgt Ion: 56 Resp: 5691
Ion Ratio Lower Upper
56 100
69 168.7 28.0 42.0#
84 149.2 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

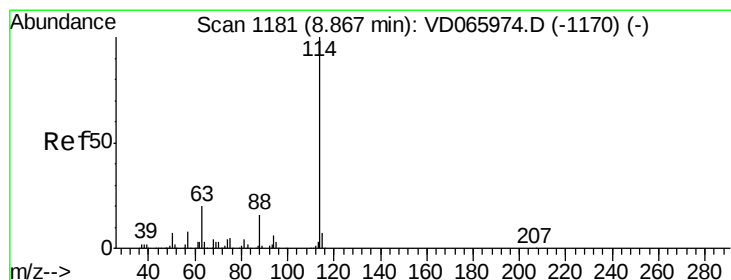
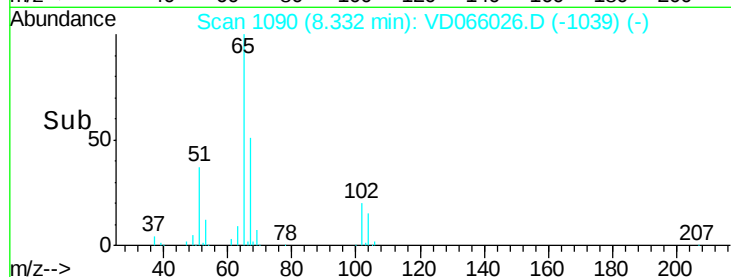
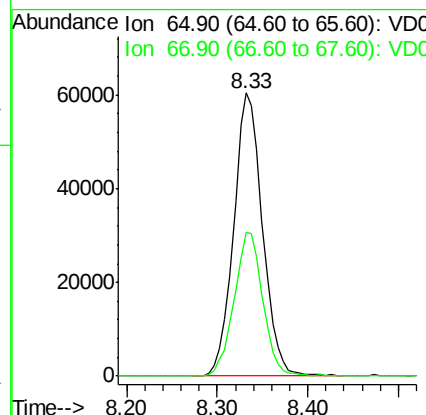
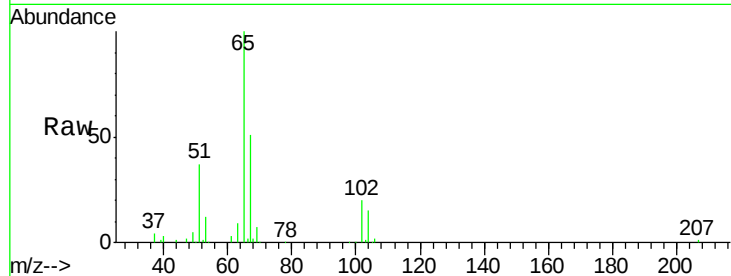




#33
 1,2-Dichloroethane-d4
 Concen: 50.917 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD066026.D
 Acq: 23 Jul 2020 16:02

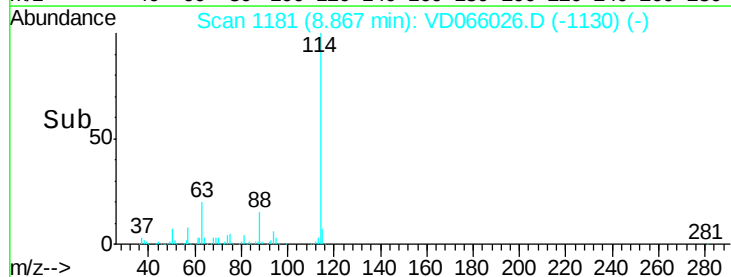
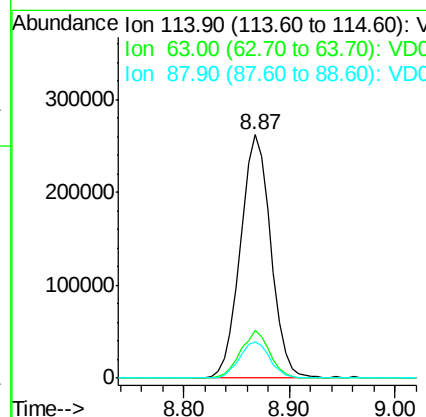
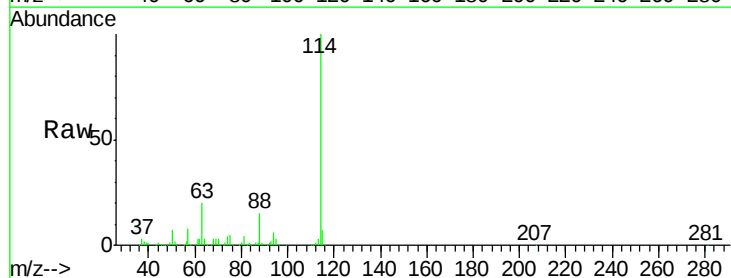
Instrument :
 MSVOA_D
 ClientSampleId :
 359-GRID-A1-A3

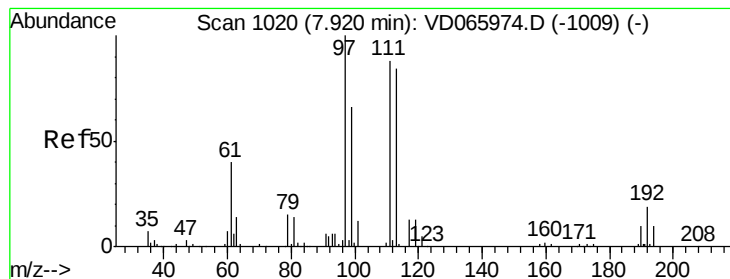
Tot Ion: 65 Resp: 133478
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD066026.D
 Acq: 23 Jul 2020 16:02

Tgt Ion: 114 Resp: 522654
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.6
 88 15.0 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.037 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD066026.D

Acq: 23 Jul 2020 16:02

Instrument :

MSVOA_D

ClientSampleId :

359-GRID-A1-A3

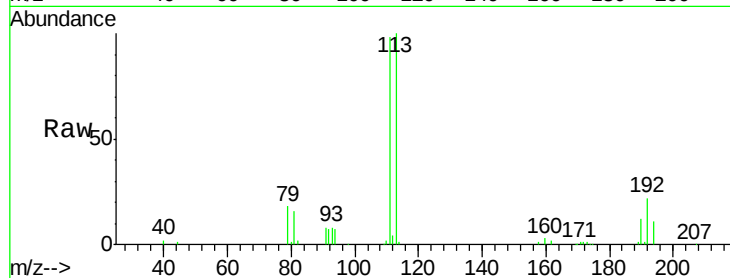
Tot Ion:113 Resp: 158619

Ion Ratio Lower Upper

113 100

111 100.4 83.2 124.8

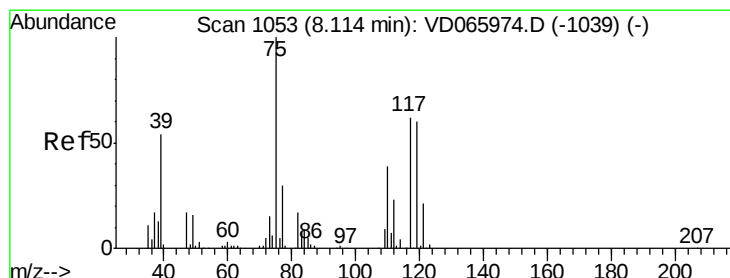
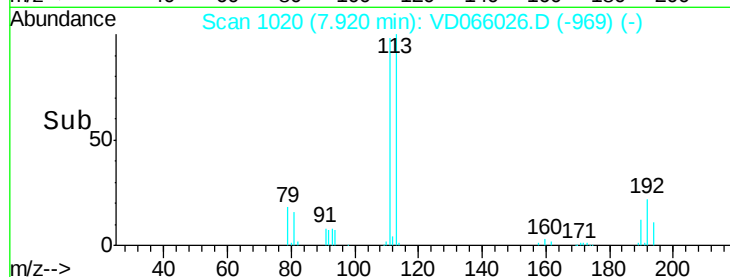
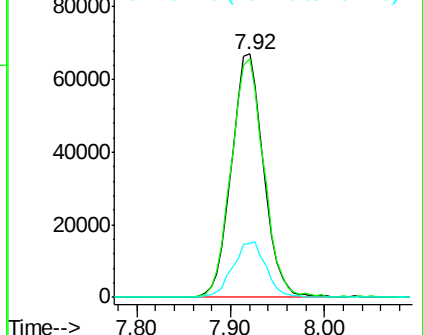
192 23.4 18.7 28.1



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: 4.758 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD066026.D

Acq: 23 Jul 2020 16:02

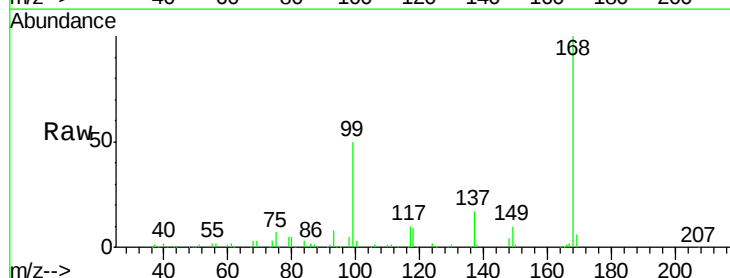
Tgt Ion: 75 Resp: 21223

Ion Ratio Lower Upper

75 100

110 11.0 19.5 58.5#

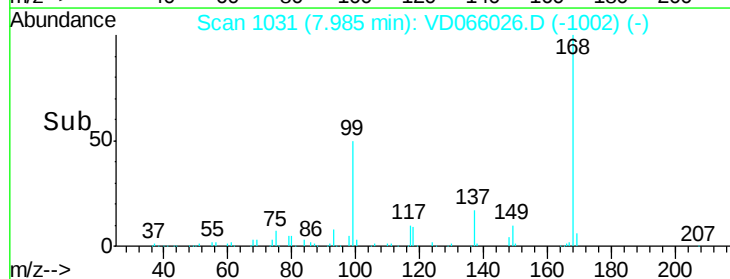
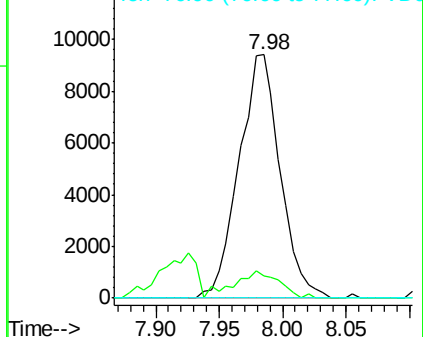
77 0.0 24.7 37.1#

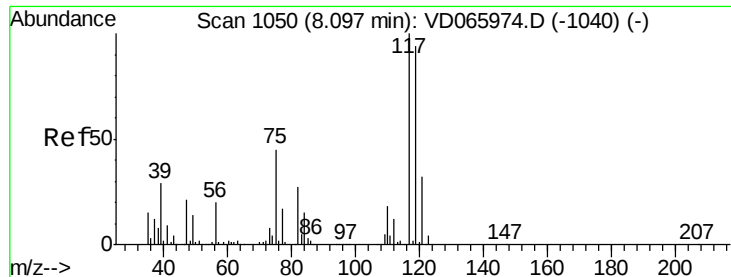


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.126 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD066026.D

Acq: 23 Jul 2020 16:02

Instrument :

MSVOA_D

ClientSampleId :

359-GRID-A1-A3

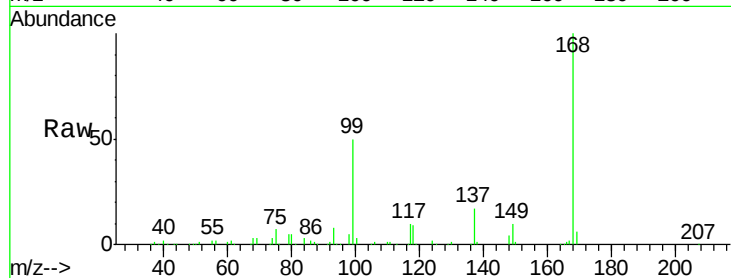
Tot Ion:117 Resp: 29649

Ion Ratio Lower Upper

117 100

119 3.9 75.0 112.6#

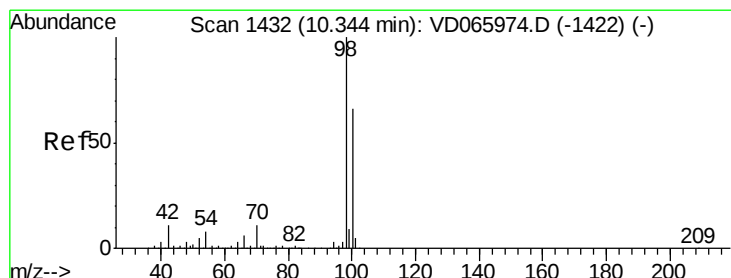
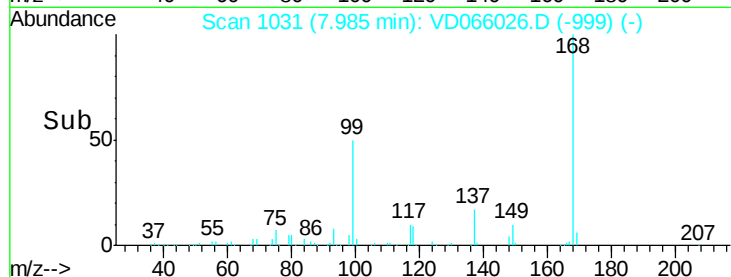
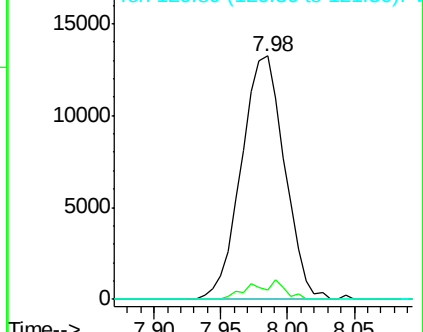
121 0.0 25.5 38.3#



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: 54.161 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD066026.D

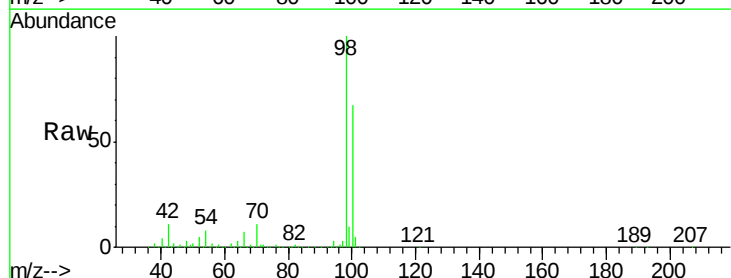
Acq: 23 Jul 2020 16:02

Tgt Ion: 98 Resp: 639607

Ion Ratio Lower Upper

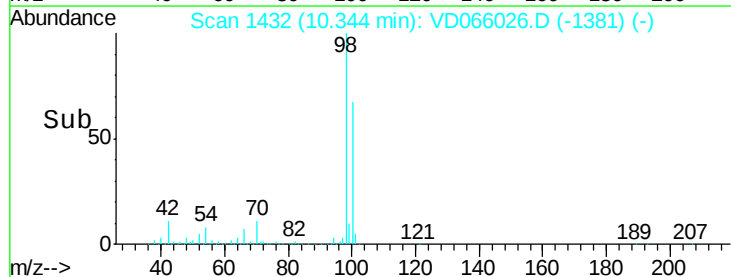
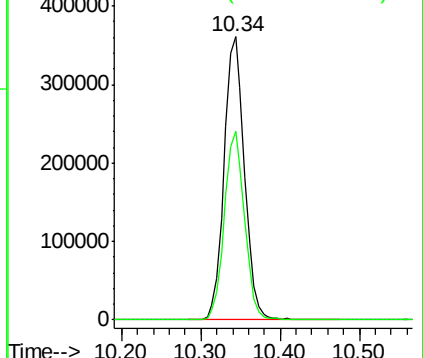
98 100

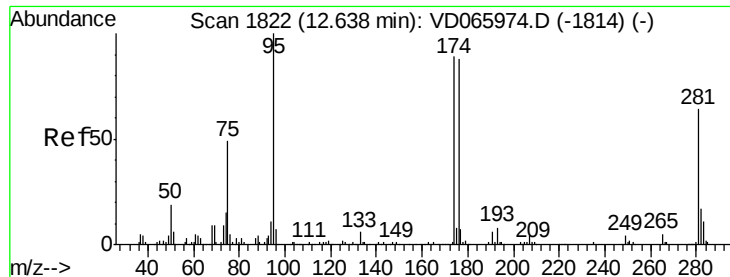
100 66.0 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 60.345 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD066026.D

Acq: 23 Jul 2020 16:02

Instrument :

MSVOA_D

ClientSampleId :

359-GRID-A1-A3

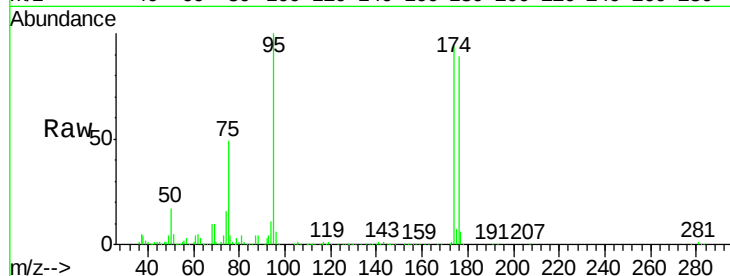
Tot Ion: 95 Resp: 247096

Ion Ratio Lower Upper

95 100

174 93.5 0.0 178.8

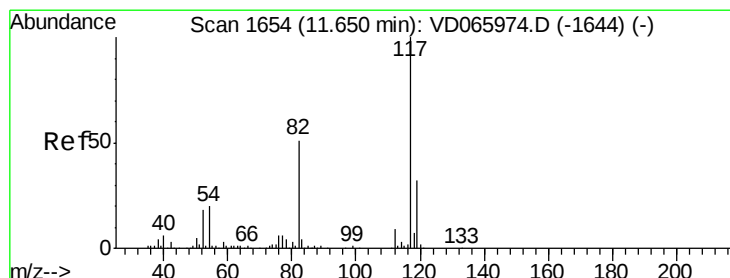
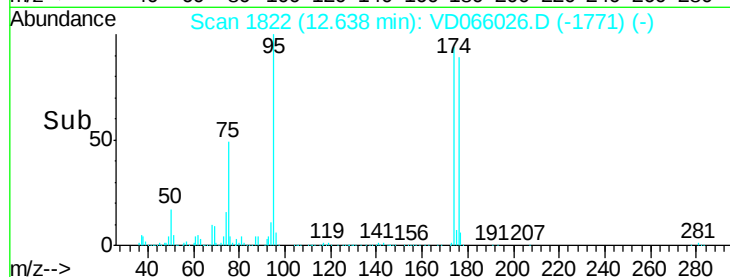
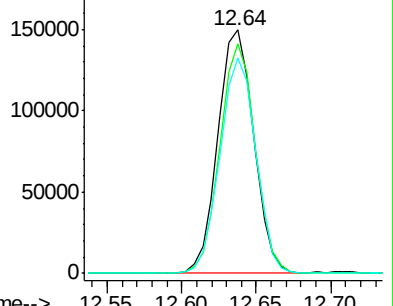
176 88.9 0.0 172.6



Abundance Ion 94.90 (94.60 to 95.60): VD066026.D (-1771) (-)

Ion 173.80 (173.50 to 174.50): VD066026.D (-1771) (-)

Ion 175.80 (175.50 to 176.50): VD066026.D (-1771) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD066026.D

Acq: 23 Jul 2020 16:02

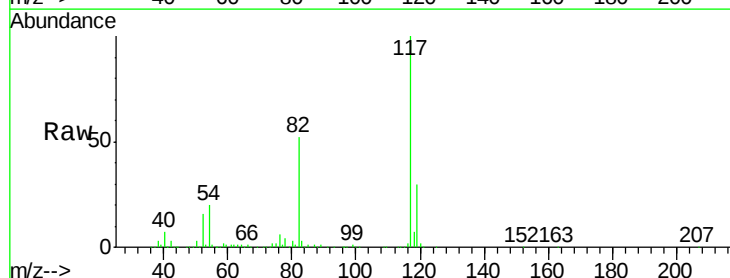
Tgt Ion: 117 Resp: 550974

Ion Ratio Lower Upper

117 100

82 51.8 41.1 61.7

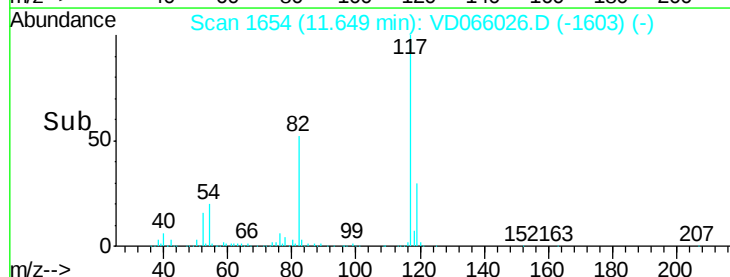
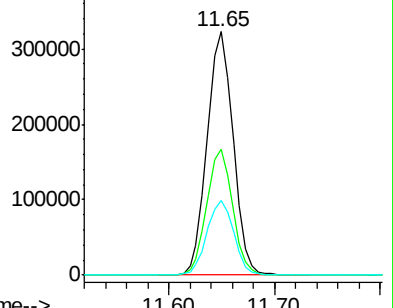
119 30.4 25.9 38.9

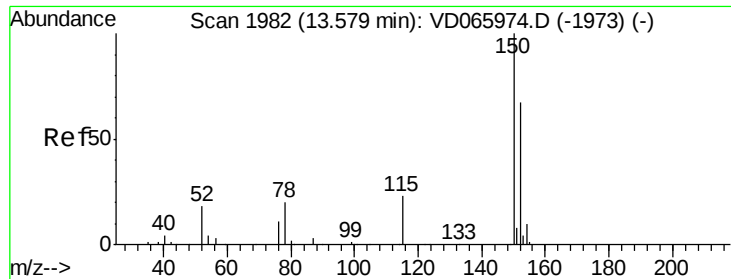


Abundance Ion 116.90 (116.60 to 117.60): VD066026.D (-1603) (-)

Ion 82.00 (81.70 to 82.70): VD066026.D (-1603) (-)

Ion 118.90 (118.60 to 119.60): VD066026.D (-1603) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066026.D

Acq: 23 Jul 2020 16:02

Instrument :

MSVOA_D

ClientSampleId :

359-GRID-A1-A3

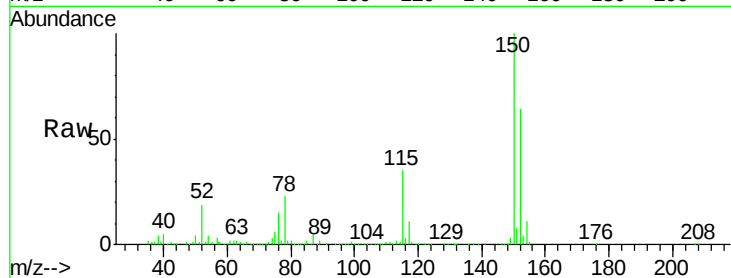
Tot Ion:152 Resp: 277553

Ion Ratio Lower Upper

152 100

115 54.4 27.9 83.7

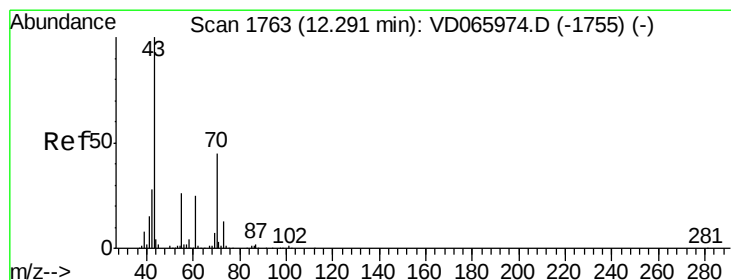
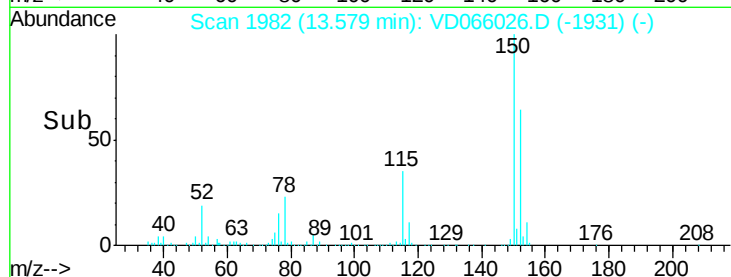
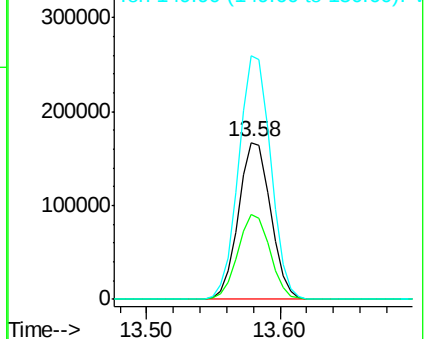
150 155.5 0.0 348.2



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



#74

N-ethyl acetate

Concen: 1.151 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD066026.D

Acq: 23 Jul 2020 16:02

Tgt Ion: 43 Resp: 4009

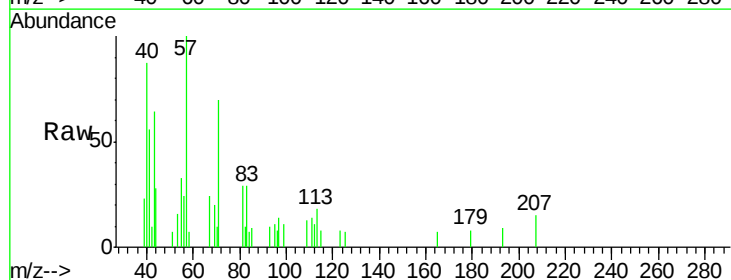
Ion Ratio Lower Upper

43 100

70 10.6 34.6 51.8#

55 0.0 20.3 30.5#

61 0.0 19.5 29.3#

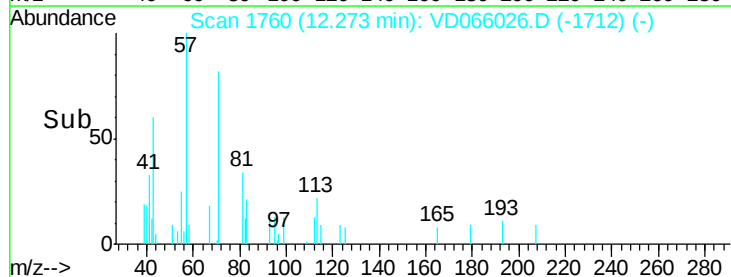
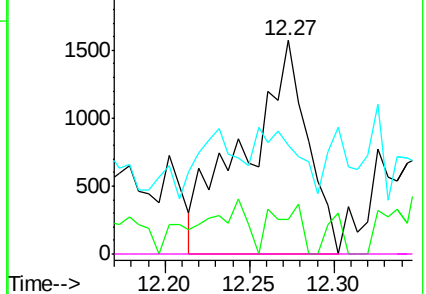


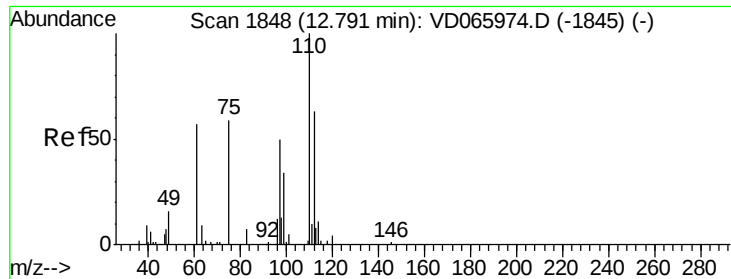
Abundance Ion 43.00 (42.70 to 43.70): VDC

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

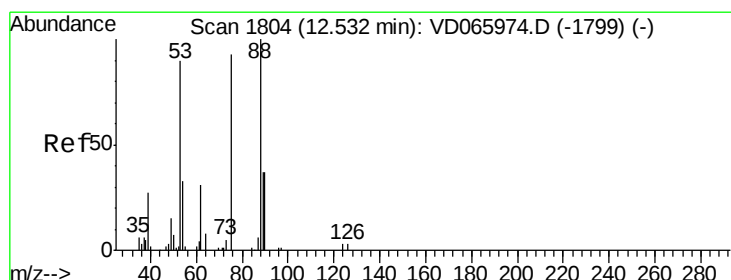
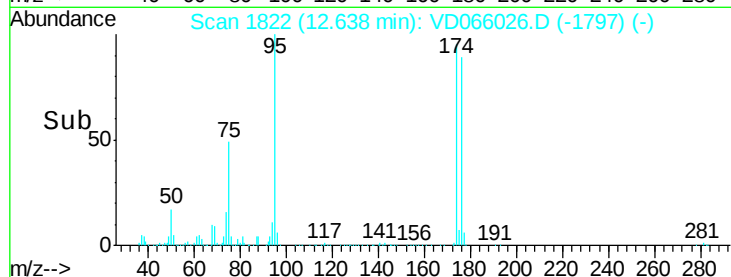
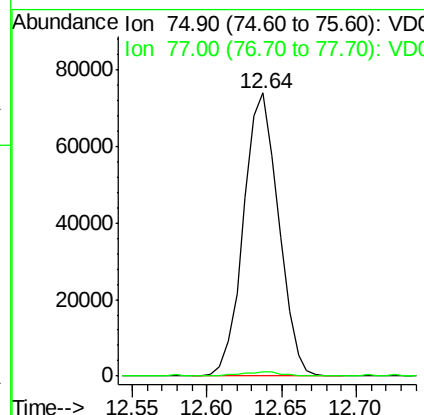
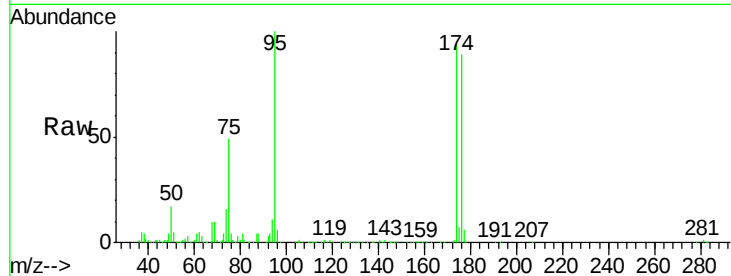




#76
 1,2,3-Trichloropropane
 Concen: 57.491 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD066026.D
 Acq: 23 Jul 2020 16:02

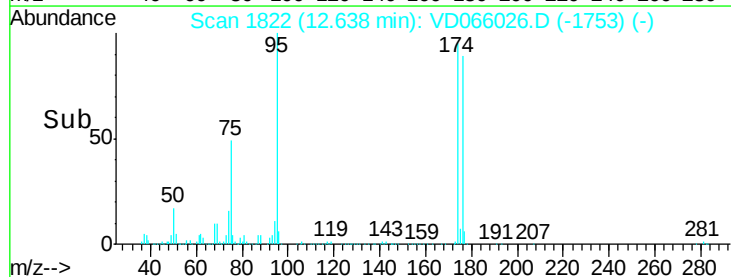
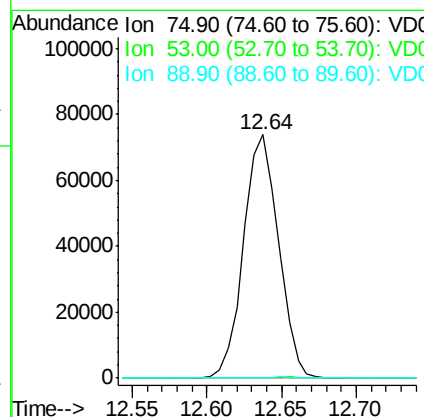
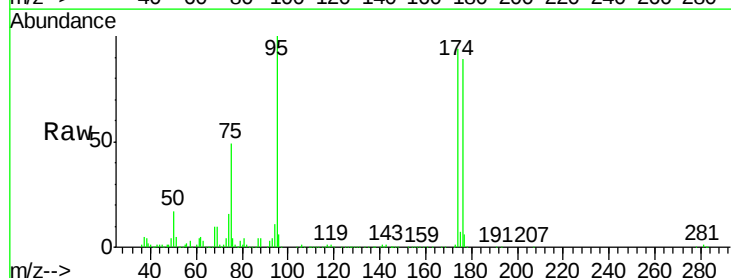
Instrument :
 MSVOA_D
 ClientSampleId :
 359-GRID-A1-A3

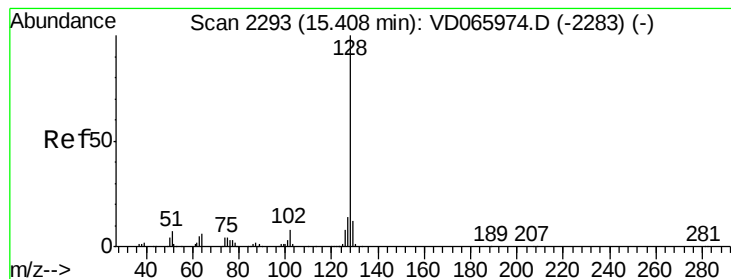
Tot Ion: 75 Resp: 120146
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.921 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD066026.D
 Acq: 23 Jul 2020 16:02

Tgt Ion: 75 Resp: 120146
 Ion Ratio Lower Upper
 75 100
 53 0.3 76.8 115.2#
 89 0.1 37.0 55.4#





#95

Naphthalene

Concen: 3.644 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD066026.D

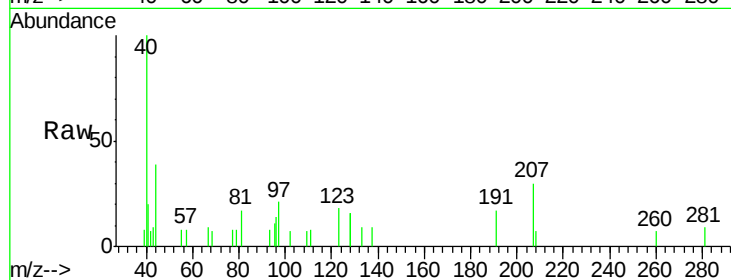
Acq: 23 Jul 2020 16:02

Instrument :

MSVOA_D

ClientSampleId :

359-GRID-A1-A3



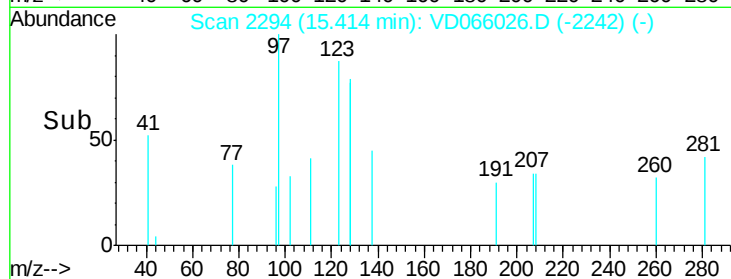
Tot Ion:128 Resp: 915

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 6.4 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

