

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
 Data File : VD066024.D
 Acq On : 23 Jul 2020 15:08
 Operator : VA/SY
 Sample : L3381-04
 Misc : 7.97G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 347-GRID-B1-B2

Quant Time: Jul 24 03:05:45 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	306655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	508957	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	523723	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	258737	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	134530	53.92	ug/l	0.00
Spiked Amount			Recovery	=	107.84%	
35) Dibromofluoromethane	7.92	113	154376	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
50) Toluene-d8	10.34	98	610289	53.07	ug/l	0.00
Spiked Amount			Recovery	=	106.14%	
62) 4-Bromofluorobenzene	12.64	95	241035	60.45	ug/l	0.00
Spiked Amount			Recovery	=	120.90%	

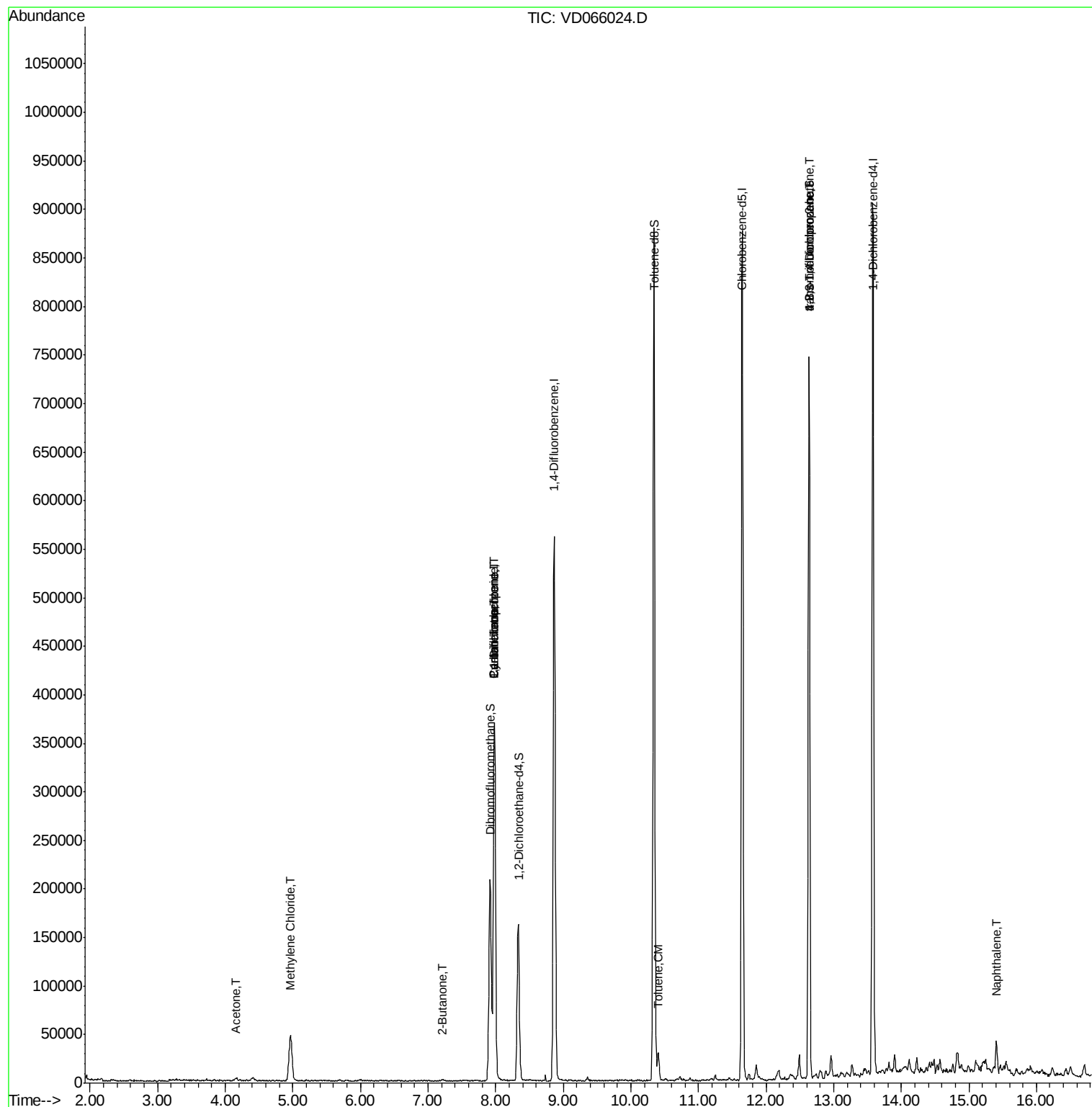
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	118	Below Cal	#	4
11) Tert butyl alcohol	5.22	59	55	Below Cal	#	83
16) Acetone	4.16	43	2308	4.570	ug/l #	79
20) Methylene Chloride	4.96	84	37878	11.266	ug/l	89
25) 2-Butanone	7.22	43	1040	1.552	ug/l	90
31) Cyclohexane	7.98	56	5737	1.278	ug/l #	24
36) 1,1-Dichloropropene	7.98	75	20103	4.628	ug/l #	49
38) Carbon Tetrachloride	7.98	117	28458	6.038	ug/l #	17
52) Toluene	10.41	92	11345	1.432	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	113198	58.105	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	113198	133.331	ug/l #	11
95) Naphthalene	15.41	128	27981	6.711	ug/l	98

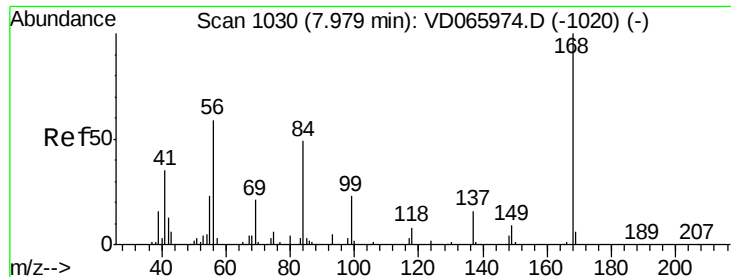
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072320\
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347-GRID-B1-B2

Quant Time: Jul 24 03:05:45 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# 1031

Delta R.T. 0.01 min

Lab File: VD066024.D

Acq: 23 Jul 2020 15:08

Instrument :

MSVOA_D

ClientSampleId :

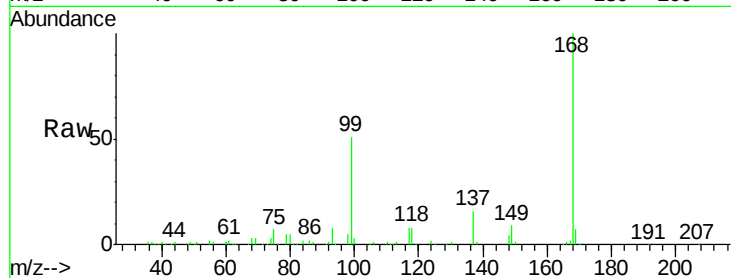
347-GRID-B1-B2

Tot Ion:168 Resp: 306655

Ion Ratio Lower Upper

168 100

99 51.4 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

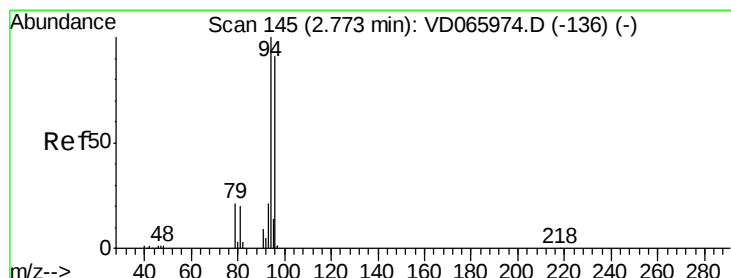
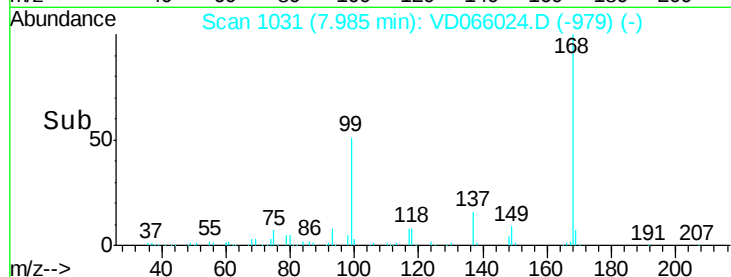
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD066024.D

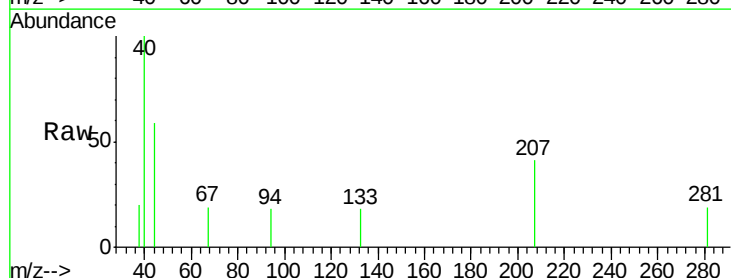
Acq: 23 Jul 2020 15:08

Tgt Ion: 94 Resp: 118

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

250

200

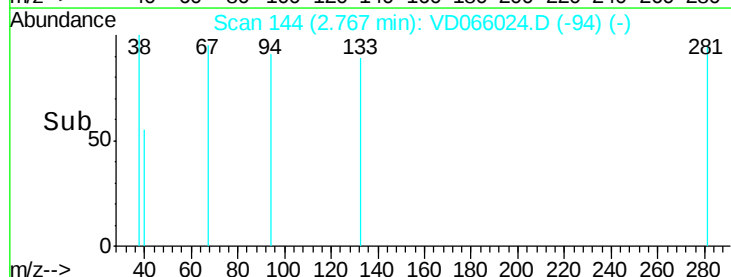
150

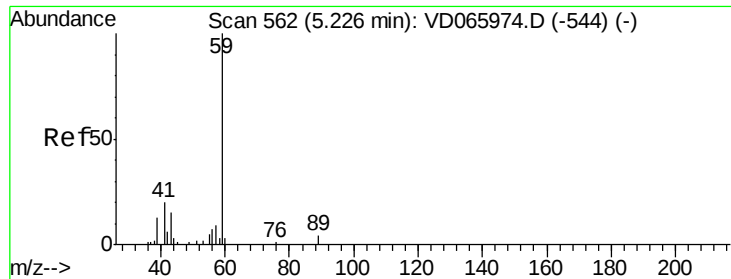
100

50

0

Time-->



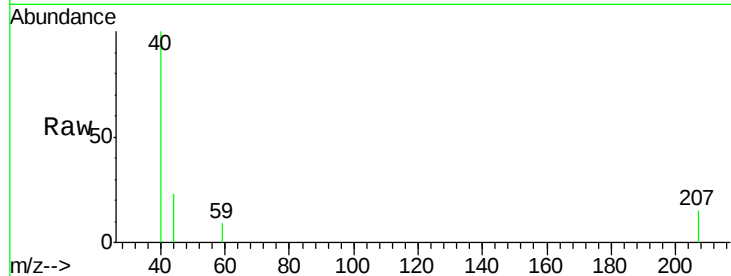


#11

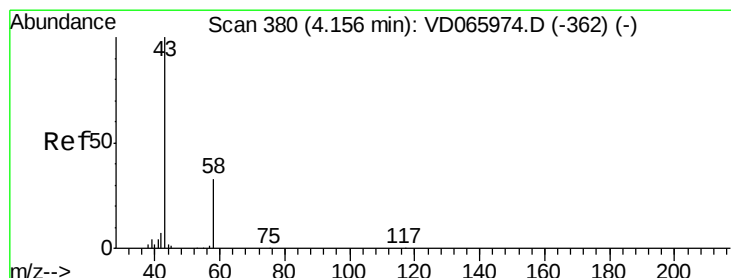
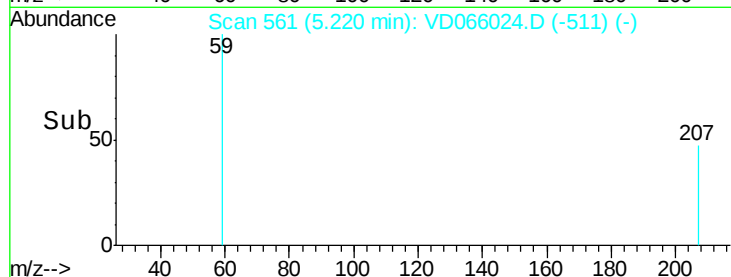
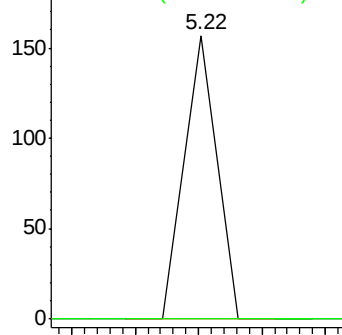
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD066024.D
 Acq: 23 Jul 2020 15:08

Instrument :
 MSVOA_D
 ClientSampleId :
 347-GRID-B1-B2

Tot Ion: 59 Resp: 55
 Ion Ratio Lower Upper
 59 100
 57 0.0 4.5 6.7#



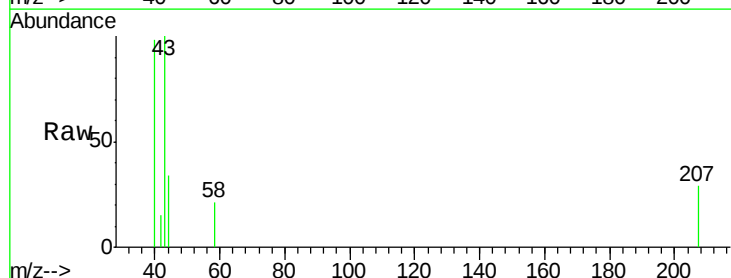
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



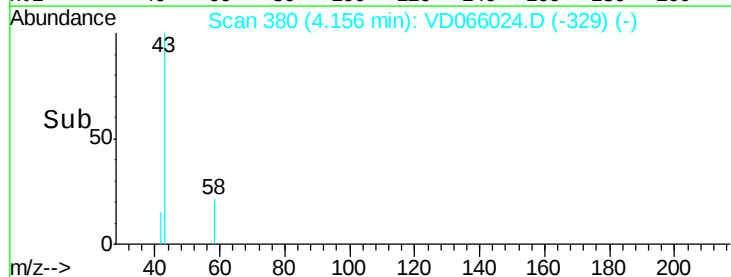
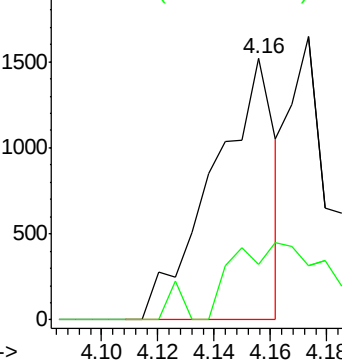
#16

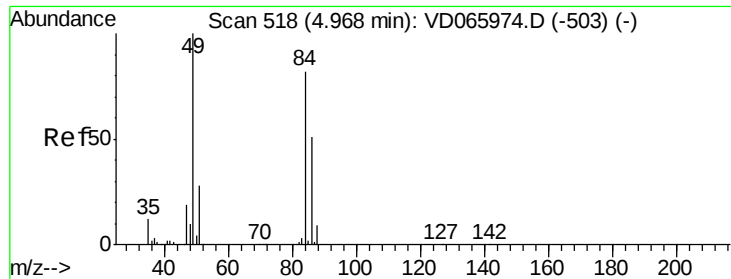
Acetone
 Concen: 4.570 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD066024.D
 Acq: 23 Jul 2020 15:08

Tgt Ion: 43 Resp: 2308
 Ion Ratio Lower Upper
 43 100
 58 21.3 26.3 39.5#



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

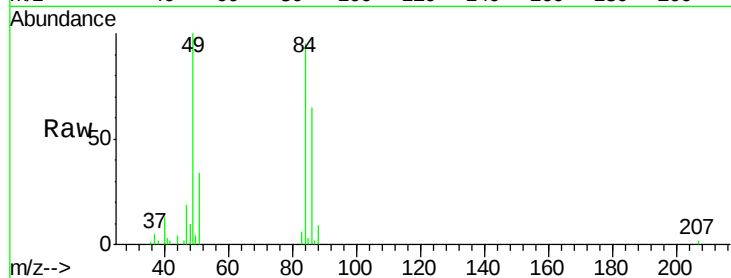




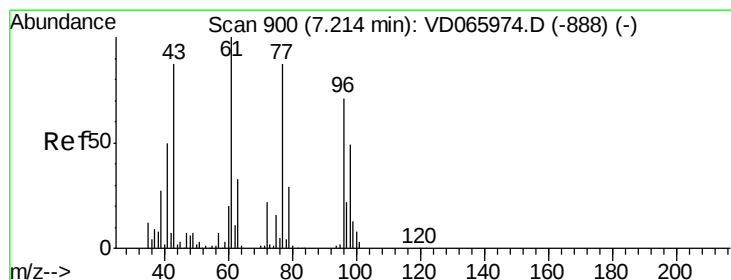
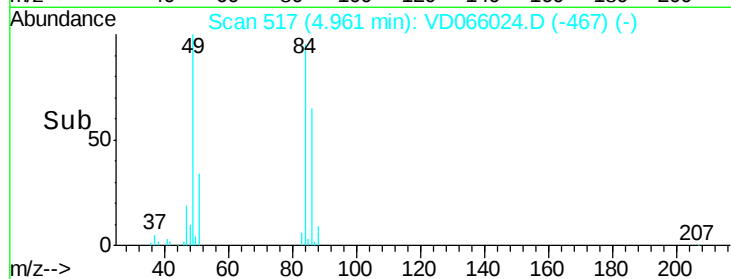
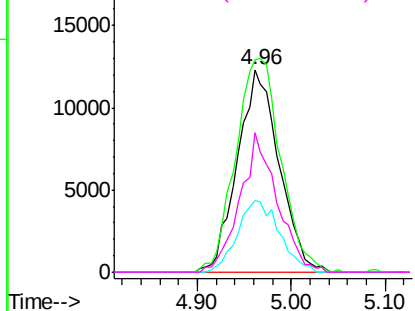
#20
Methylene Chloride
Concen: 11.266 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066024.D
Acq: 23 Jul 2020 15:08

Instrument :
MSVOA_D
ClientSampleId :
347-GRID-B1-B2

Tot Ion: 84 Resp: 37878
Ion Ratio Lower Upper
84 100
49 105.0 97.7 146.5
51 35.7 27.4 41.2
86 68.6 49.4 74.2

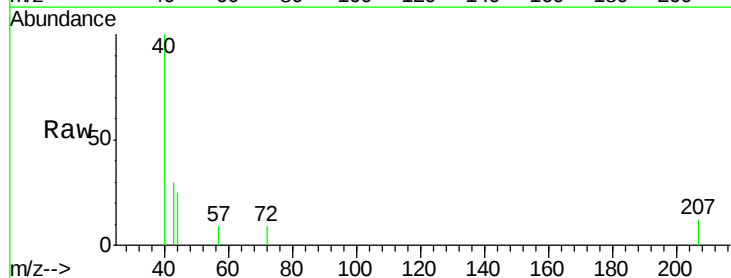


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

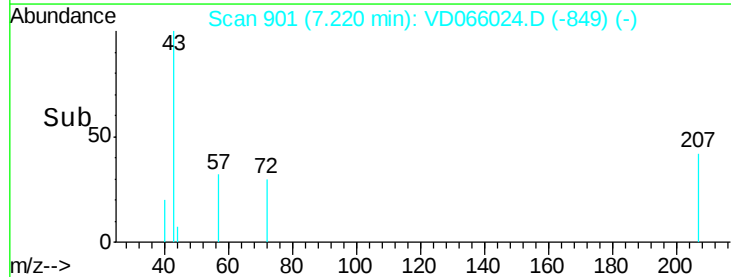
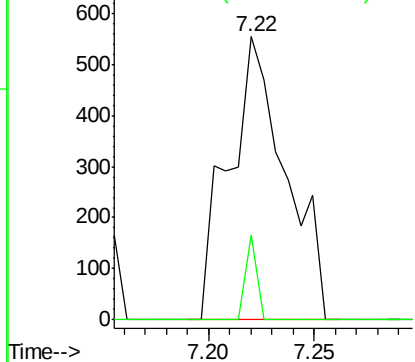


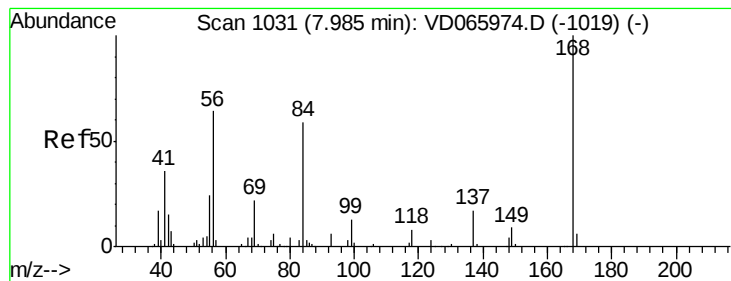
#25
2-Butanone
Concen: 1.552 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD066024.D
Acq: 23 Jul 2020 15:08

Tgt Ion: 43 Resp: 1040
Ion Ratio Lower Upper
43 100
72 30.1 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.278 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066024.D

Acq: 23 Jul 2020 15:08

Instrument :

MSVOA_D

ClientSampleId :

347-GRID-B1-B2

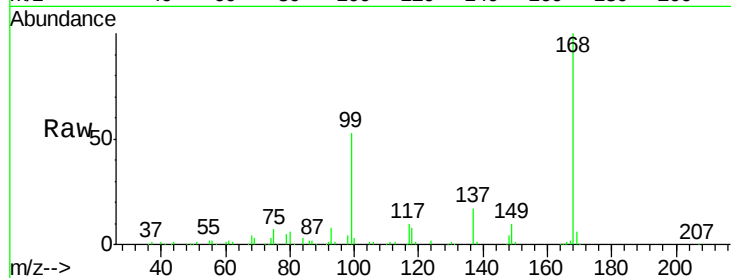
Tot Ion: 56 Resp: 5737

Ion Ratio Lower Upper

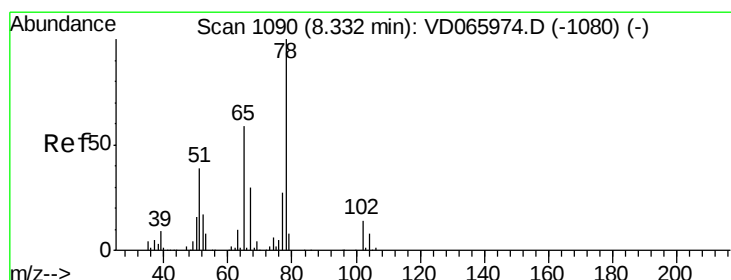
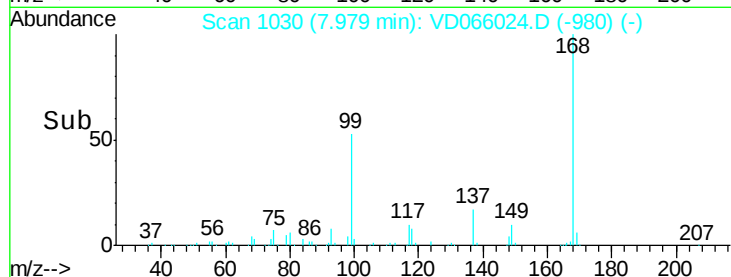
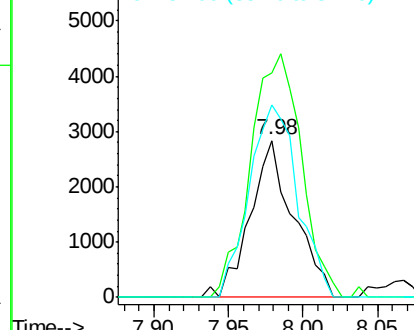
56 100

69 143.0 28.0 42.0#

84 122.9 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: 53.915 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066024.D

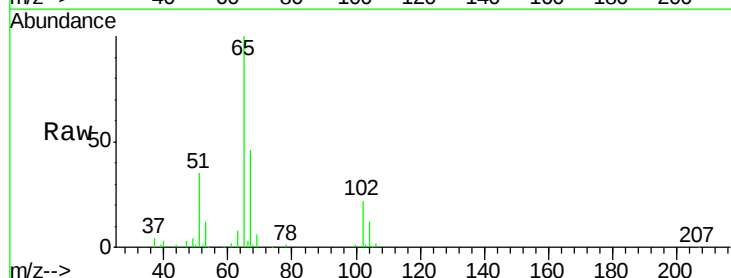
Acq: 23 Jul 2020 15:08

Tgt Ion: 65 Resp: 134530

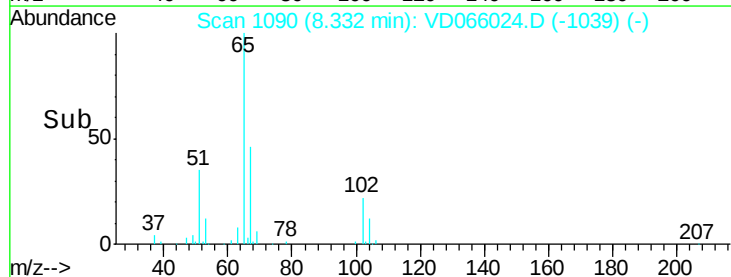
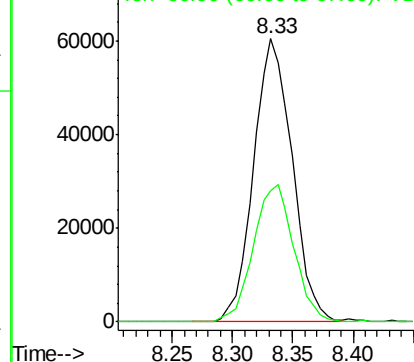
Ion Ratio Lower Upper

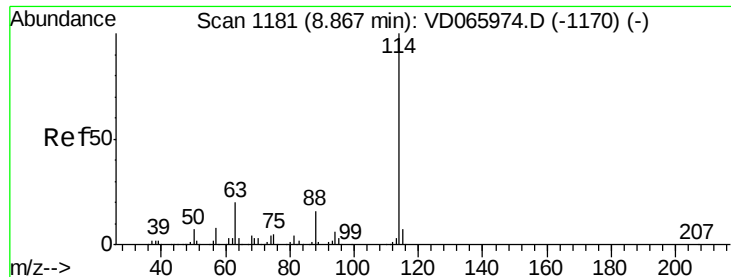
65 100

67 50.5 0.0 105.0



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

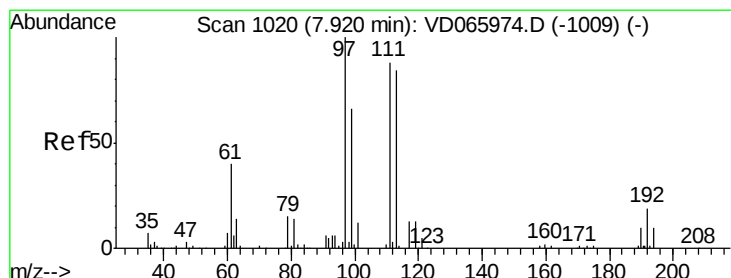
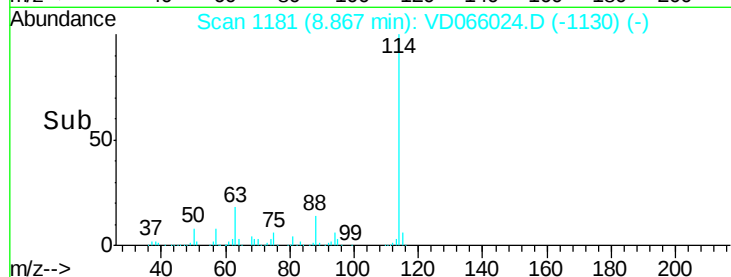
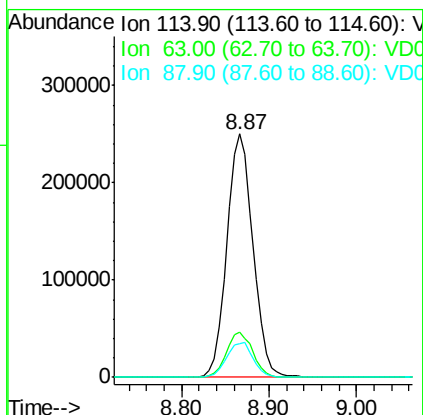
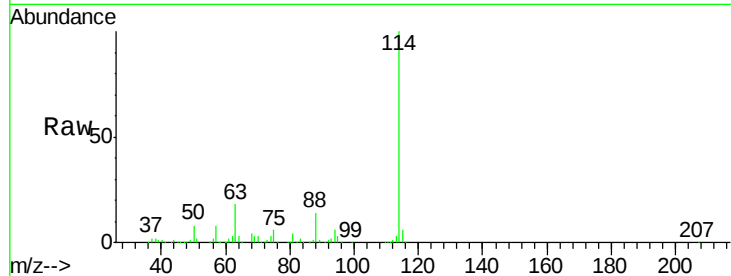




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD066024.D
 Acq: 23 Jul 2020 15:08

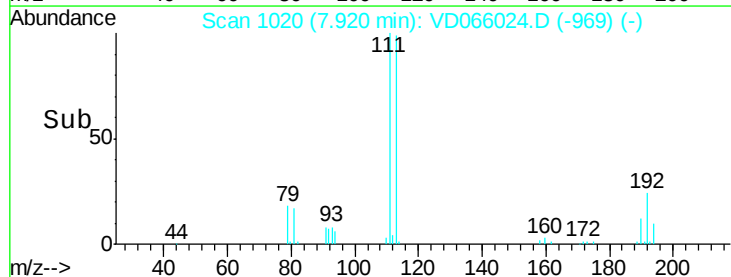
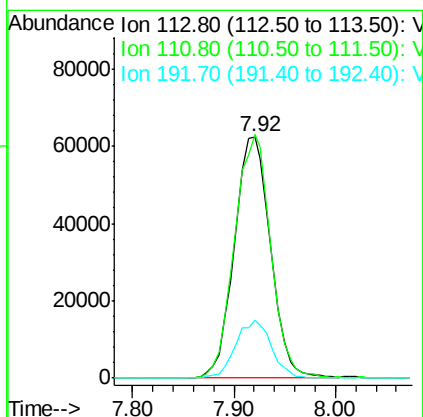
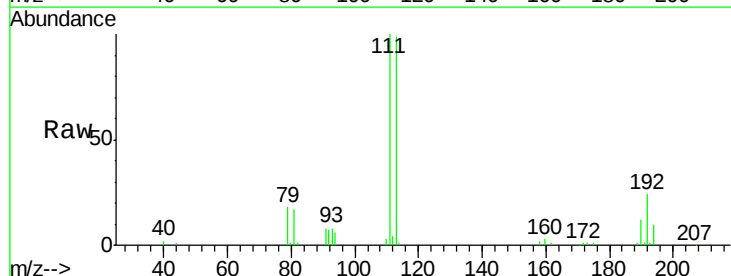
Instrument :
 MSVOA_D
 ClientSampleId :
 347-GRID-B1-B2

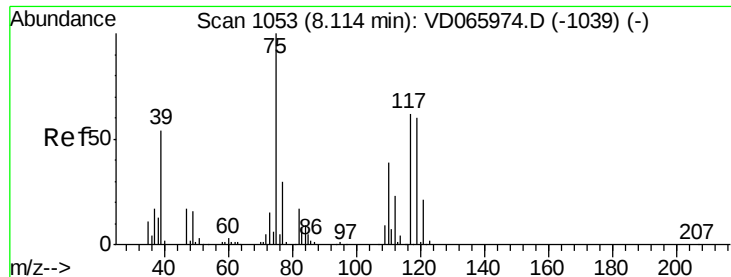
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	39.6
88	14.0	0.0	31.2



#35
 Dibromofluoromethane
 Concen: 50.009 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD066024.D
 Acq: 23 Jul 2020 15:08

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.0	83.2	124.8
192	23.6	18.7	28.1





#36

1,1-Dichloropropene

Concen: 4.628 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD066024.D

Acq: 23 Jul 2020 15:08

Instrument :

MSVOA_D

ClientSampleId :

347-GRID-B1-B2

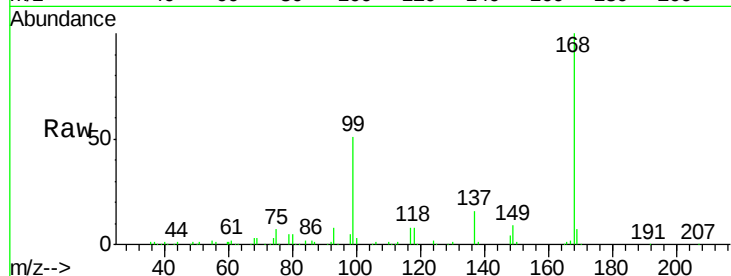
Tot Ion: 75 Resp: 20103

Ion Ratio Lower Upper

75 100

110 10.2 19.5 58.5#

77 0.0 24.7 37.1#

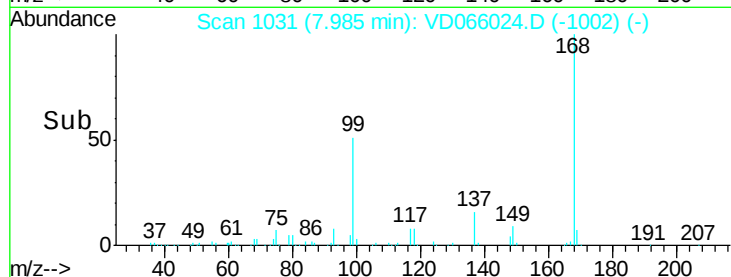


Abundance Ion 74.90 (74.60 to 75.60): VD066024.D (-999) (-)

Ion 109.90 (109.60 to 110.60): VD066024.D (-999) (-)

Ion 76.90 (76.60 to 77.60): VD066024.D (-999) (-)

Time-->

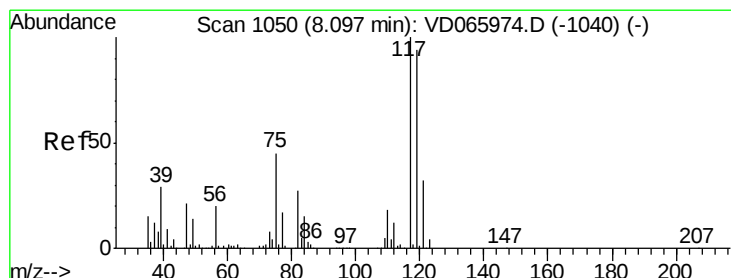


Abundance Ion 74.90 (74.60 to 75.60): VD066024.D (-999) (-)

Ion 109.90 (109.60 to 110.60): VD066024.D (-999) (-)

Ion 76.90 (76.60 to 77.60): VD066024.D (-999) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.038 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD066024.D

Acq: 23 Jul 2020 15:08

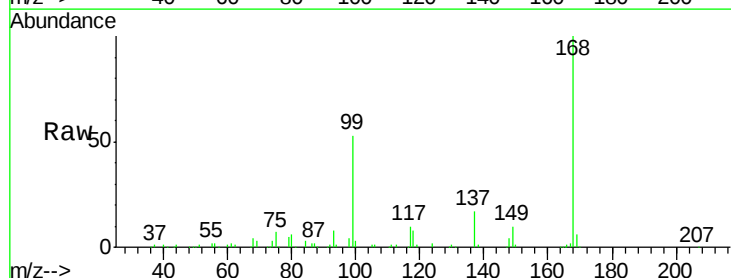
Tgt Ion: 117 Resp: 28458

Ion Ratio Lower Upper

117 100

119 5.4 75.0 112.6#

121 0.0 25.5 38.3#

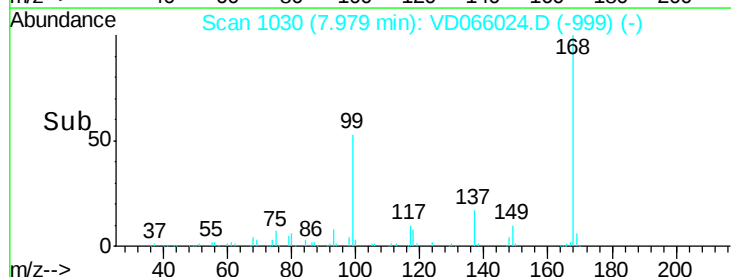


Abundance Ion 116.80 (116.50 to 117.50): VD066024.D (-999) (-)

Ion 118.80 (118.50 to 119.50): VD066024.D (-999) (-)

Ion 120.80 (120.50 to 121.50): VD066024.D (-999) (-)

Time-->

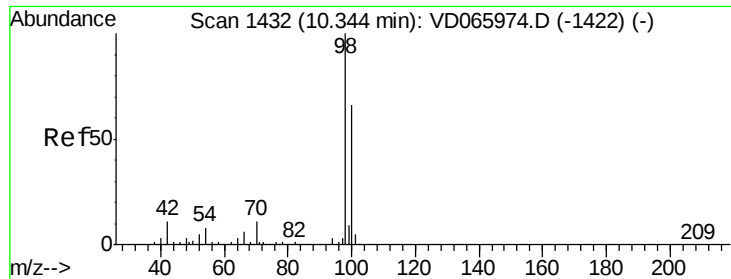


Abundance Ion 116.80 (116.50 to 117.50): VD066024.D (-999) (-)

Ion 118.80 (118.50 to 119.50): VD066024.D (-999) (-)

Ion 120.80 (120.50 to 121.50): VD066024.D (-999) (-)

Time-->



#50

Toluene-d8

Concen: 53.069 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD066024.D

Acq: 23 Jul 2020 15:08

Instrument :

MSVOA_D

ClientSampleId :

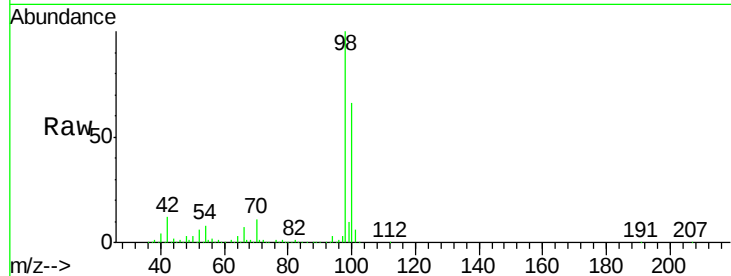
347-GRID-B1-B2

Tot Ion: 98 Resp: 610289

Ion Ratio Lower Upper

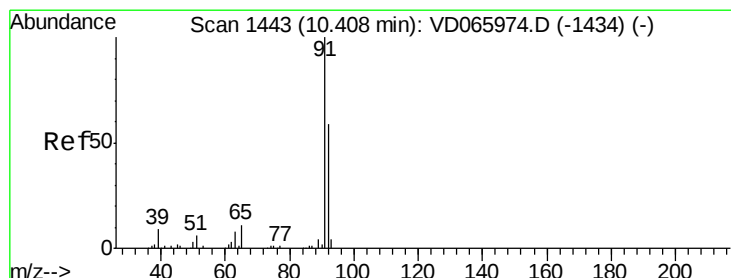
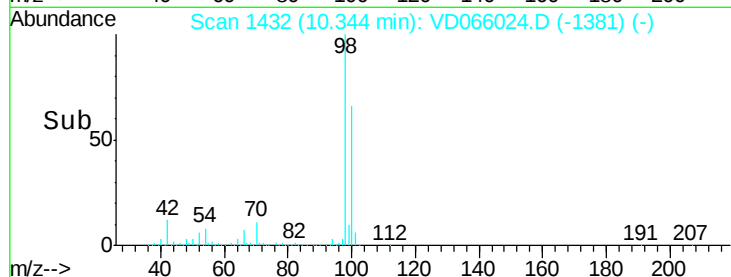
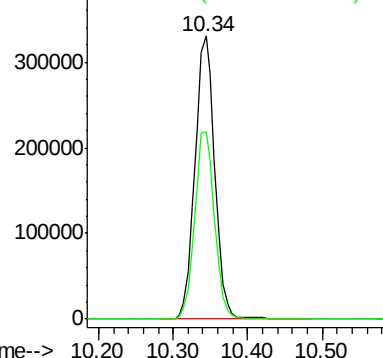
98 100

100 66.3 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#52

Toluene

Concen: 1.432 ug/l

RT: 10.41 min Scan# 1444

Delta R.T. 0.01 min

Lab File: VD066024.D

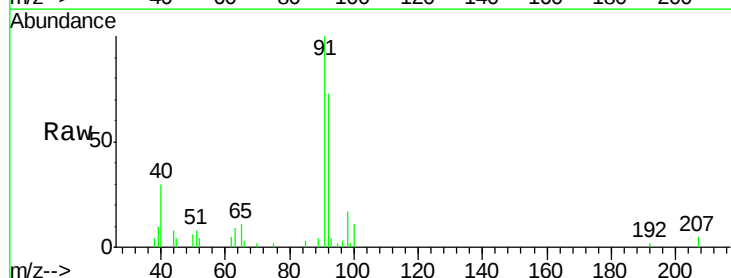
Acq: 23 Jul 2020 15:08

Tgt Ion: 92 Resp: 11345

Ion Ratio Lower Upper

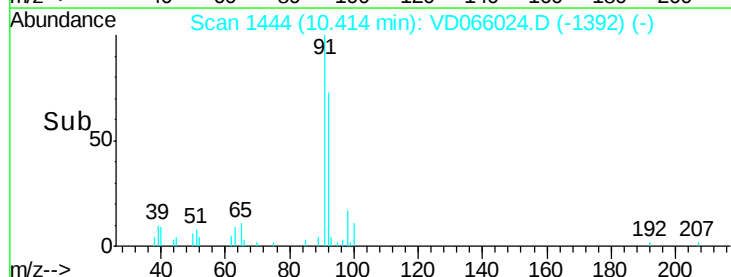
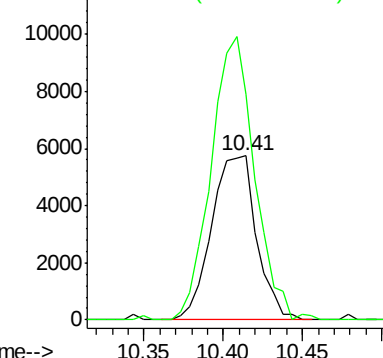
92 100

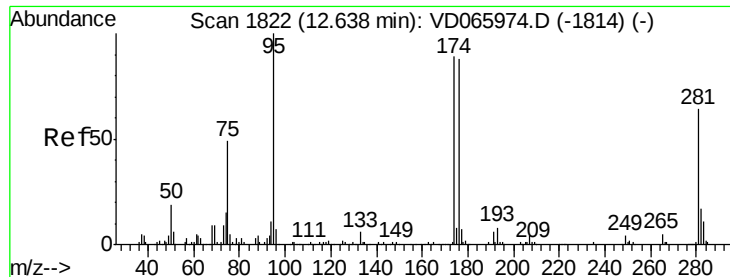
91 166.6 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

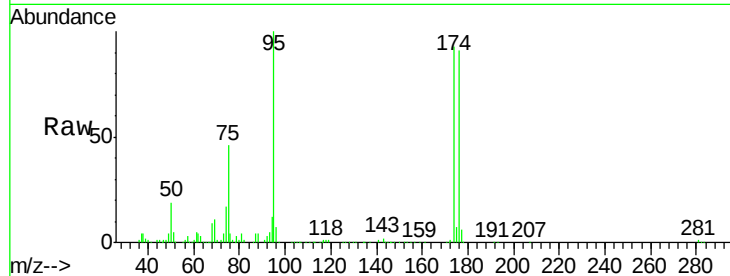




#62
4-Bromofluorobenzene
Concen: 60.449 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD066024.D
Acq: 23 Jul 2020 15:08

Instrument :
MSVOA_D
ClientSampleId :
347-GRID-B1-B2

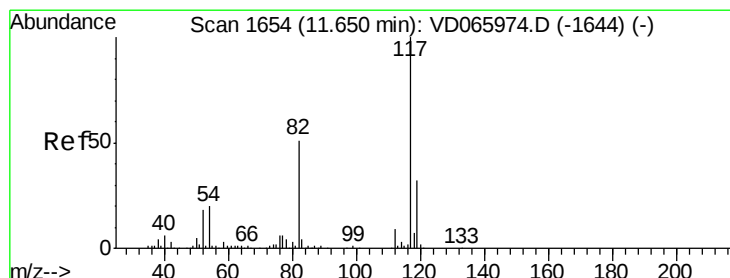
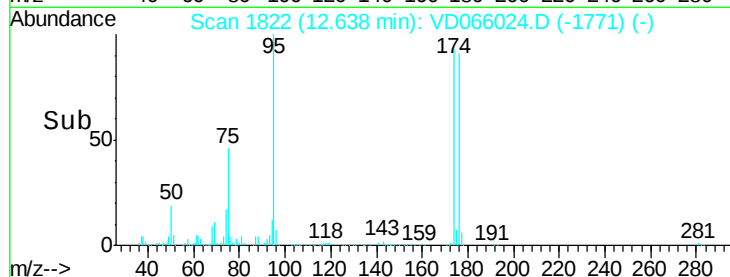
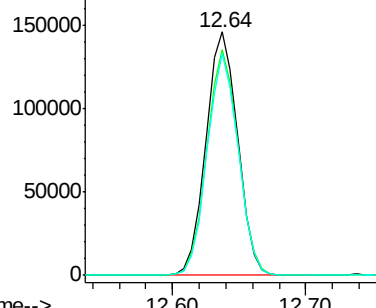
Tot Ion	95	Resp	241035
Ion Ratio	Lower	Upper	
95	100		
174	91.4	0.0	178.8
176	88.7	0.0	172.6



Abundance Ion 94.90 (94.60 to 95.60): VD065974.D (-1814) (-)

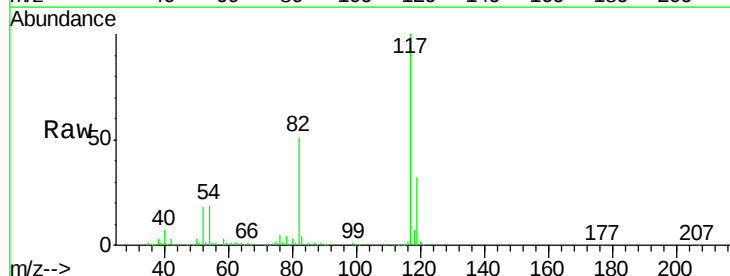
Ion 173.80 (173.50 to 174.50): VD065974.D (-1814) (-)

Ion 175.80 (175.50 to 176.50): VD065974.D (-1814) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066024.D
Acq: 23 Jul 2020 15:08

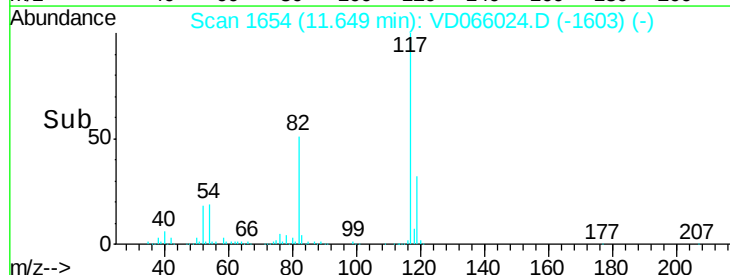
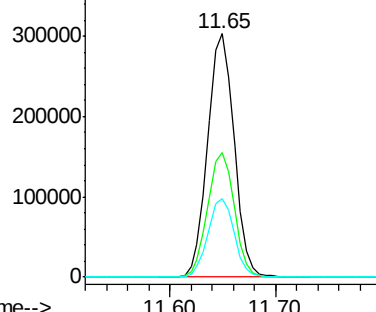
Tgt Ion	117	Resp	523723
Ion Ratio	Lower	Upper	
117	100		
82	51.3	41.1	61.7
119	32.1	25.9	38.9

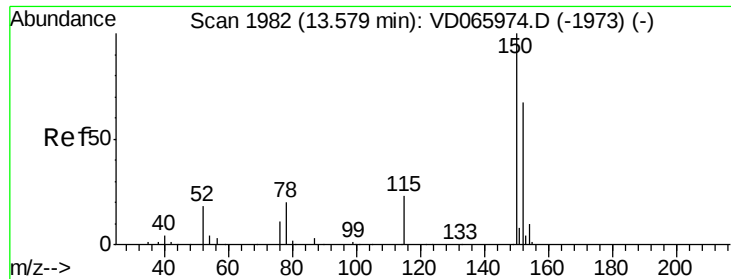


Abundance Ion 116.90 (116.60 to 117.60): VD065974.D (-1644) (-)

Ion 82.00 (81.70 to 82.70): VD065974.D (-1644) (-)

Ion 118.90 (118.60 to 119.60): VD065974.D (-1644) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066024.D

Acq: 23 Jul 2020 15:08

Instrument :

MSVOA_D

ClientSampleId :

347-GRID-B1-B2

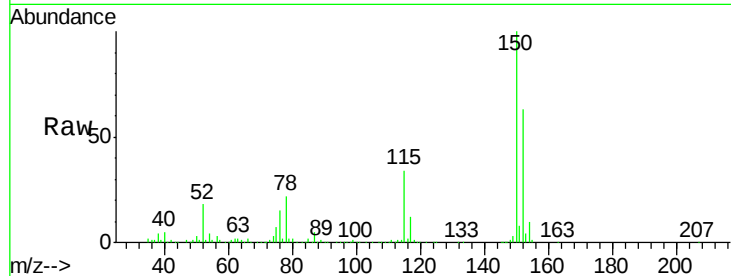
Tot Ion:152 Resp: 258737

Ion Ratio Lower Upper

152 100

115 55.5 27.9 83.7

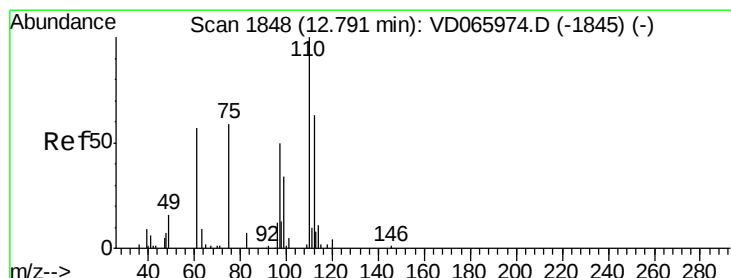
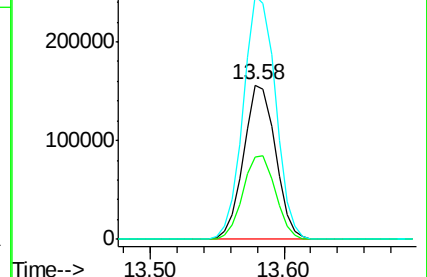
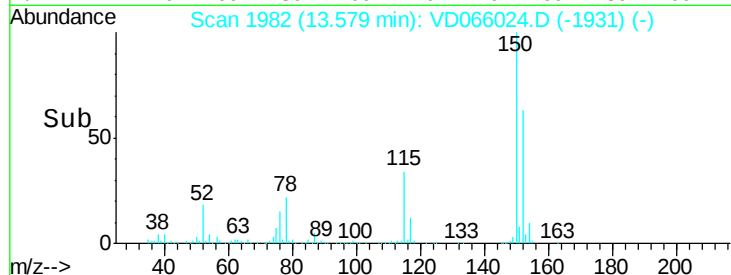
150 159.4 0.0 348.2



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: 58.105 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066024.D

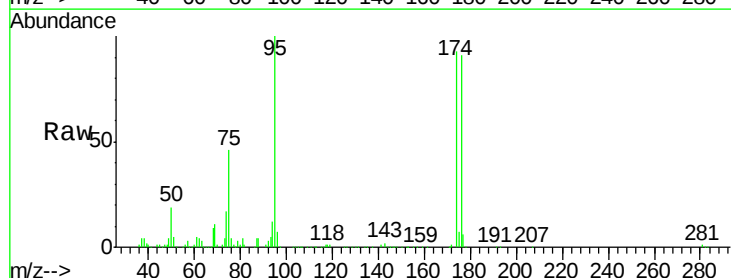
Acq: 23 Jul 2020 15:08

Tgt Ion: 75 Resp: 113198

Ion Ratio Lower Upper

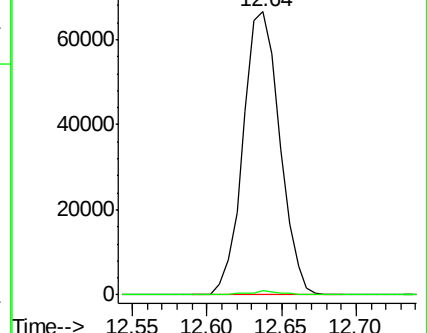
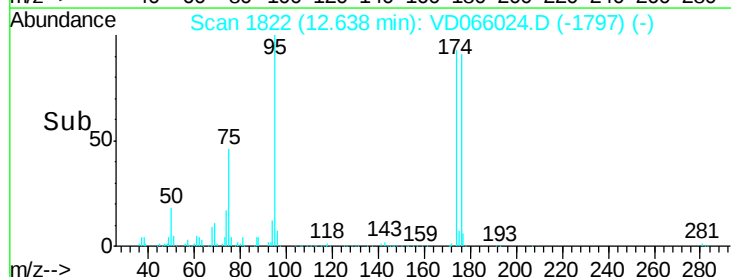
75 100

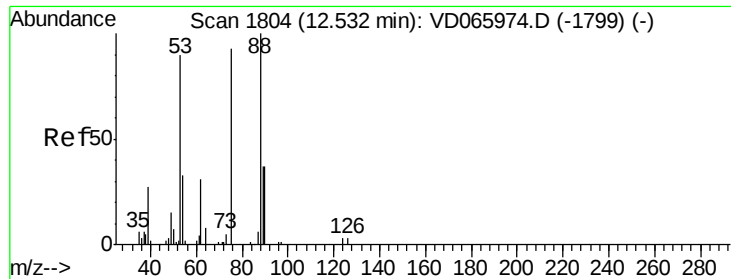
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

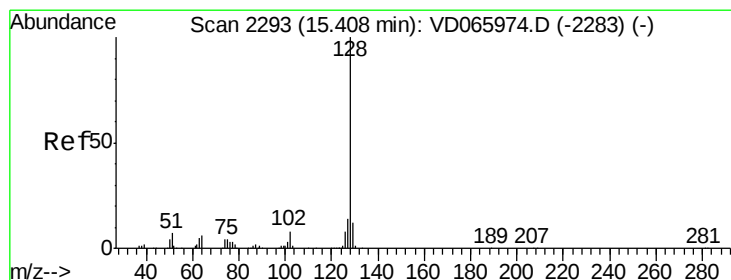
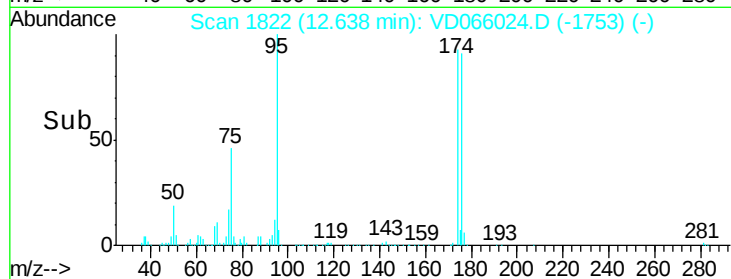
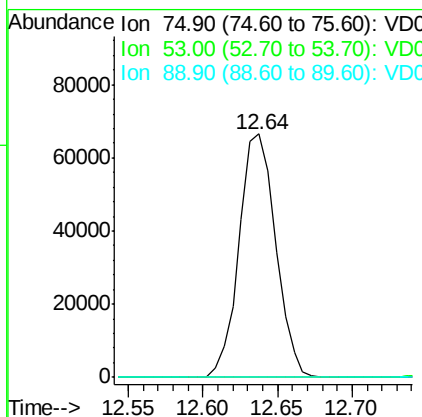
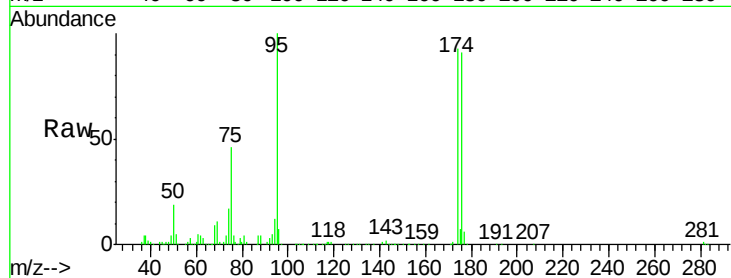




#81
trans-1,4-Dichloro-2-butene
Concen: 133.331 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.11 min
Lab File: VD066024.D
Acq: 23 Jul 2020 15:08

Instrument :
MSVOA_D
ClientSampleId :
347-GRID-B1-B2

Tot Ion: 75 Resp: 113198
Ion Ratio Lower Upper
75 100
53 0.1 76.8 115.2#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 6.711 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066024.D
Acq: 23 Jul 2020 15:08

Tgt Ion:128 Resp: 27981
Ion Ratio Lower Upper
128 100
127 14.4 10.8 16.2
129 12.2 8.9 13.3

