

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072220\
 Data File : VD066012.D
 Acq On : 22 Jul 2020 20:01
 Operator : VA/SY
 Sample : L3365-03
 Misc : 6.87G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 52-09-57

Quant Time: Jul 23 01:06:56 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	306813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	534400	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	559616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	291487	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	141639	56.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.46%	
35) Dibromofluoromethane	7.91	113	165760	51.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.28%	
50) Toluene-d8	10.34	98	642318	53.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.40%	
62) 4-Bromofluorobenzene	12.64	95	250139	59.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.50%	

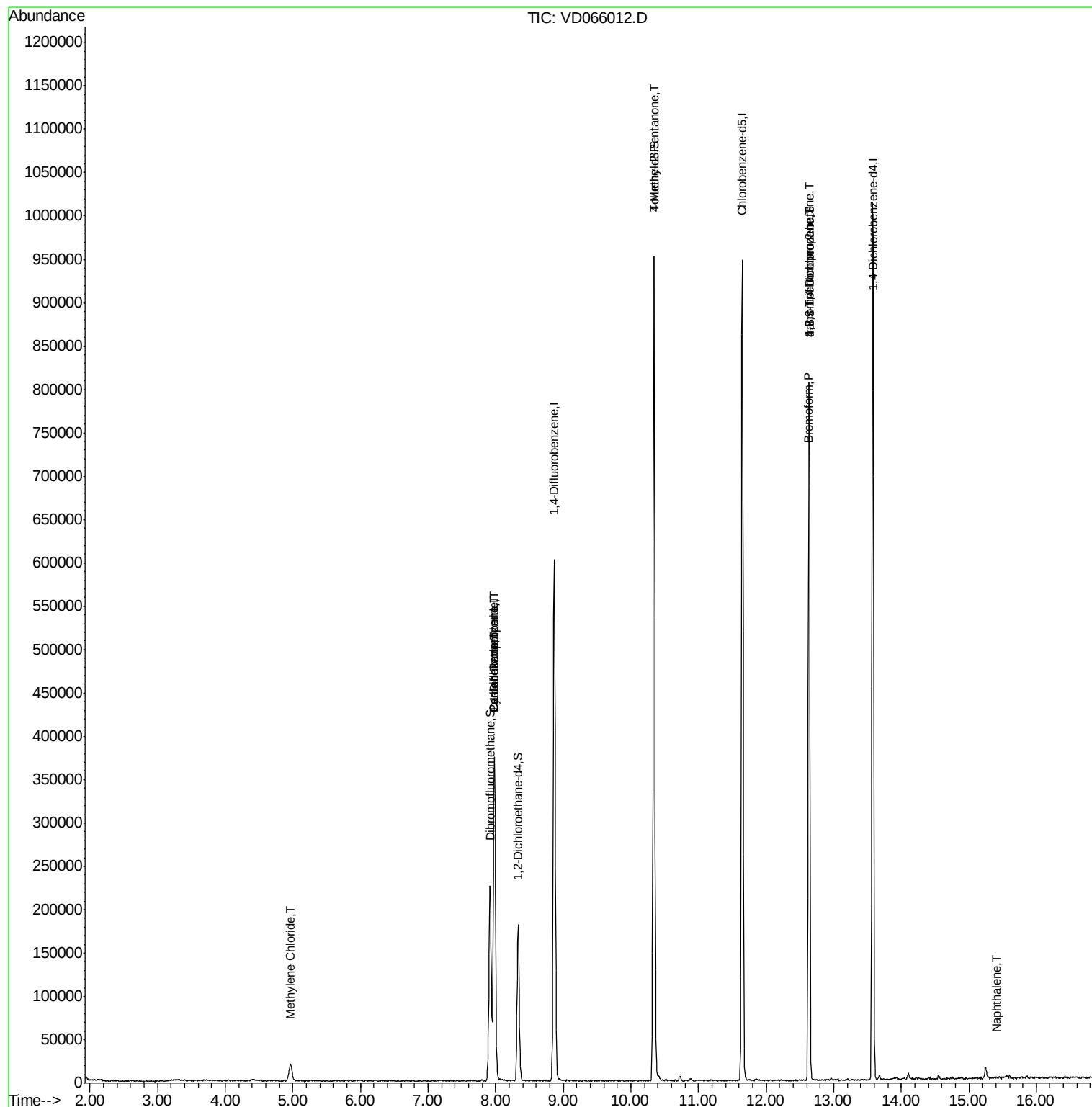
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.69	94	72	Below Cal	#	4
20) Methylene Chloride	4.97	84	14807	2.481	ug/l #	90
31) Cyclohexane	7.98	56	5640	1.256	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	20379	4.468	ug/l #	49
38) Carbon Tetrachloride	7.98	117	27490	5.555	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	2843	1.659	ug/l #	1
71) Bromoform	12.63	173	3406	1.537	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	125268	57.076	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	125268	130.970	ug/l #	11
95) Naphthalene	15.41	128	486	3.596	ug/l #	68

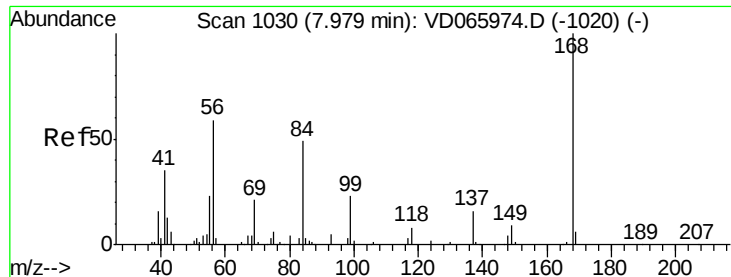
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072220\
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52-09-57

Quant Time: Jul 23 01:06:56 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: VD066012.D

Acq: 22 Jul 2020 20:01

Instrument :

MSVOA_D

ClientSampleId :

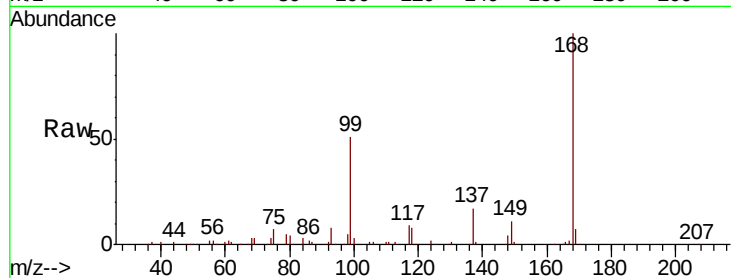
52-09-57

Tot Ion:168 Resp: 306813

Ion Ratio Lower Upper

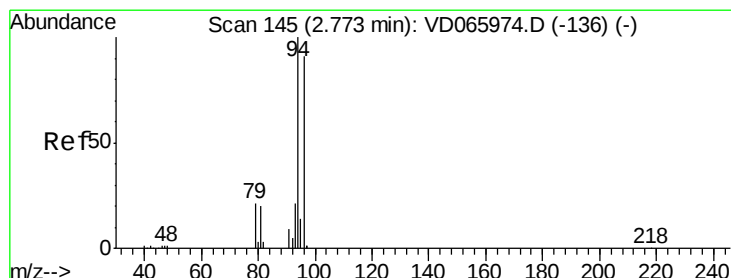
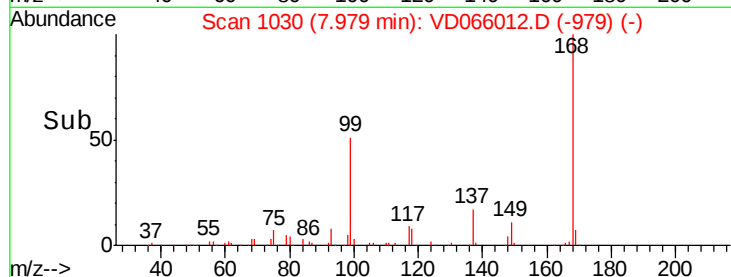
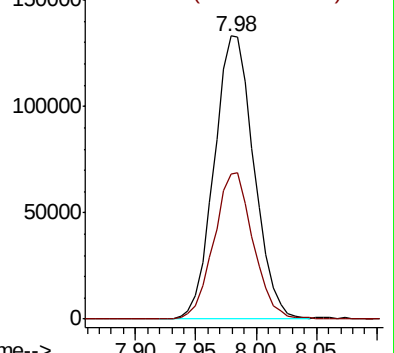
168 100

99 51.3 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.69 min Scan# 130

Delta R.T. -0.09 min

Lab File: VD066012.D

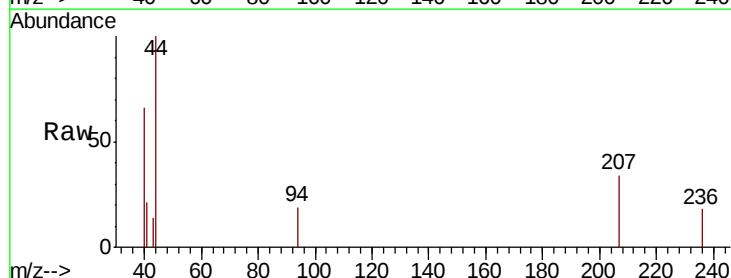
Acq: 22 Jul 2020 20:01

Tgt Ion: 94 Resp: 72

Ion Ratio Lower Upper

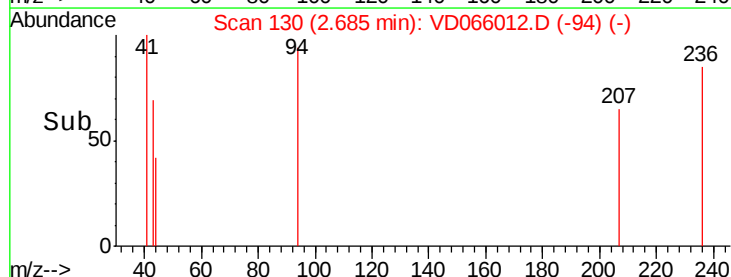
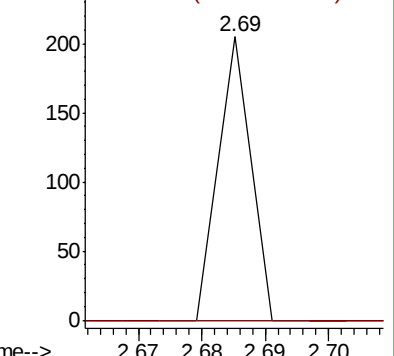
94 100

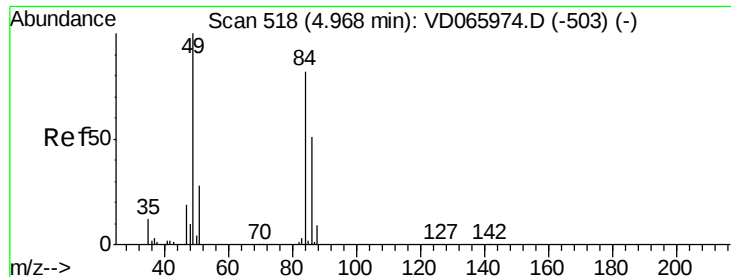
96 0.0 73.0 109.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

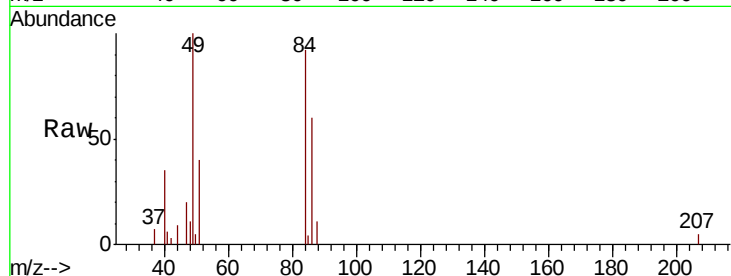




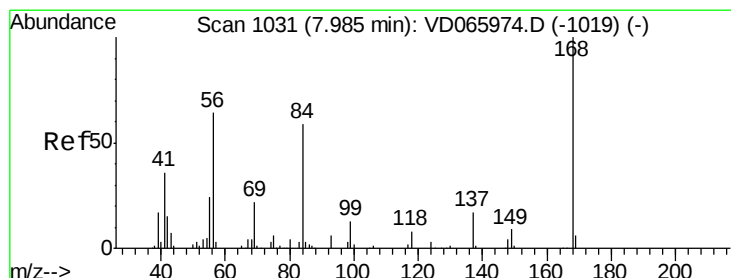
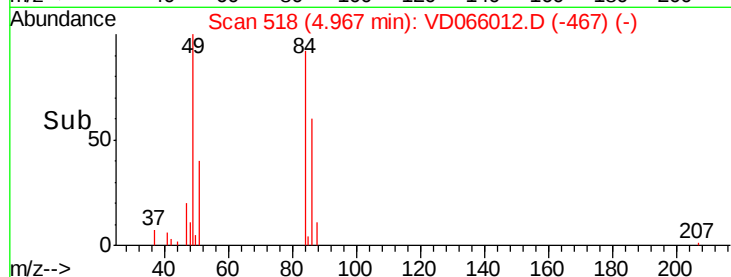
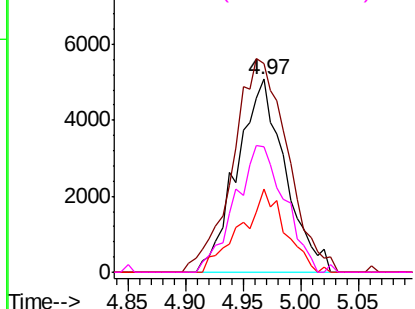
#20
Methvlene Chloride
Concen: 2.481 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066012.D
Acq: 22 Jul 2020 20:01

Instrument :
MSVOA_D
ClientSampleId :
52-09-57

Tot Ion: 84 Resp: 14807
Ion Ratio Lower Upper
84 100
49 108.3 97.7 146.5
51 42.9 27.4 41.2#
86 65.2 49.4 74.2

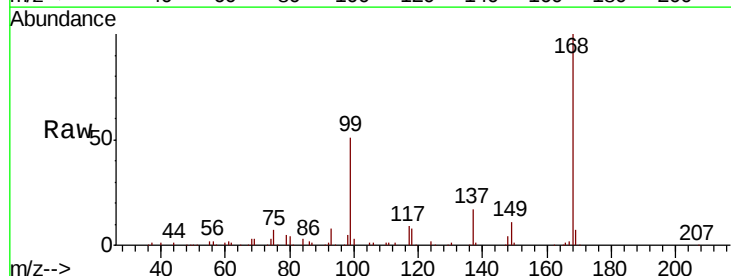


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

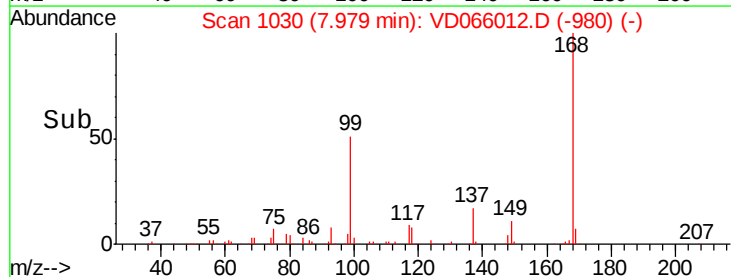
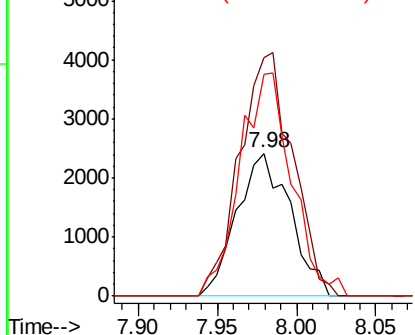


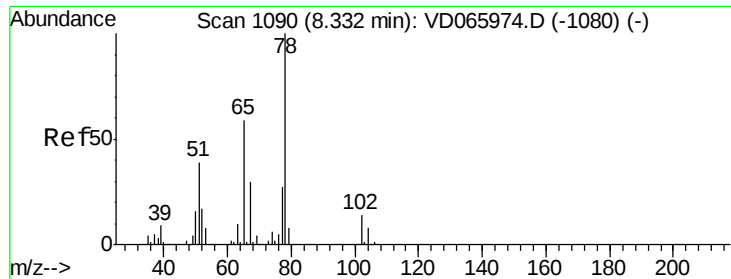
#31
Cyclohexane
Concen: 1.256 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066012.D
Acq: 22 Jul 2020 20:01

Tgt Ion: 56 Resp: 5640
Ion Ratio Lower Upper
56 100
69 167.3 28.0 42.0#
84 155.3 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

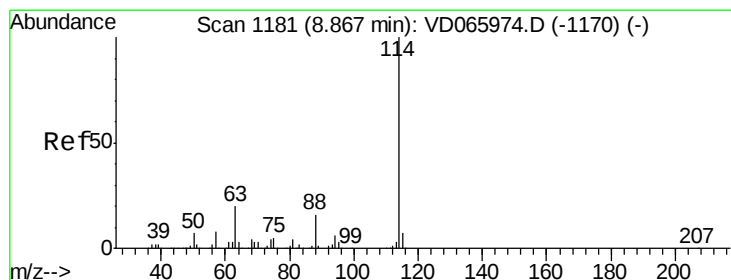
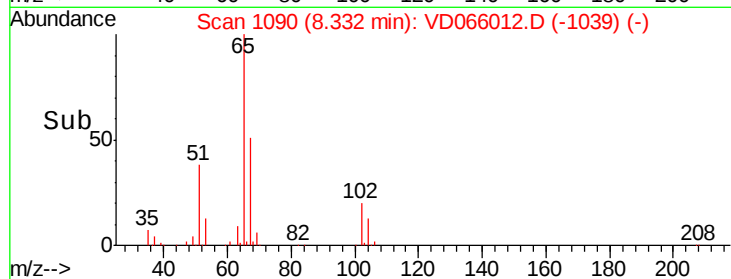
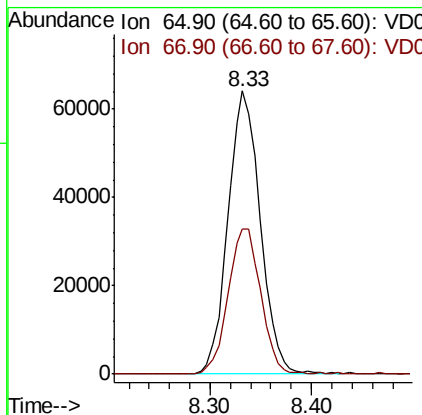
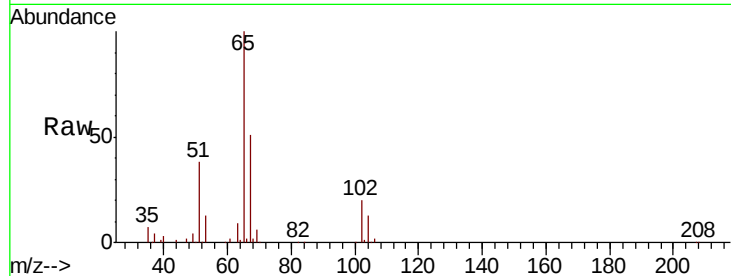




#33
 1,2-Dichloroethane-d4
 Concen: 56.735 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD066012.D
 Acq: 22 Jul 2020 20:01

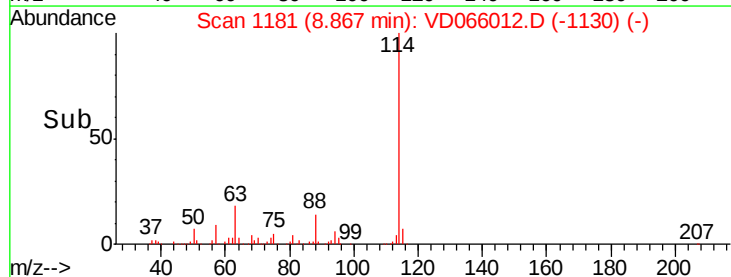
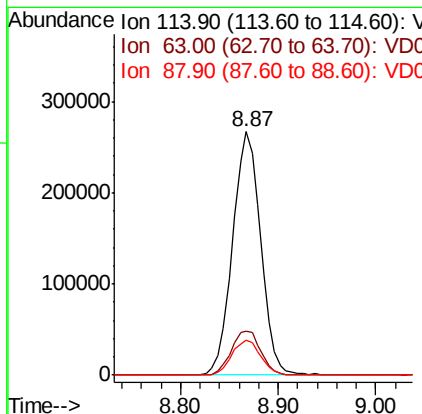
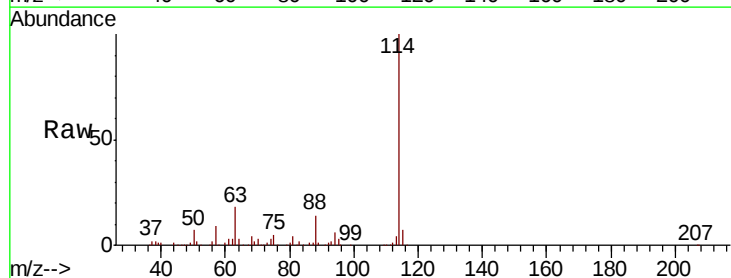
Instrument :
 MSVOA_D
 ClientSampleId :
 52-09-57

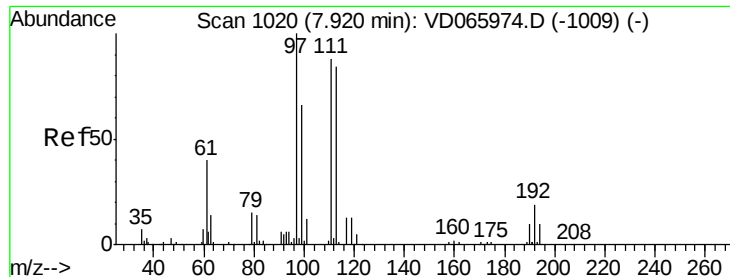
Tot Ion: 65 Resp: 141639
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD066012.D
 Acq: 22 Jul 2020 20:01

Tgt Ion: 114 Resp: 534400
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 39.6
 88 14.5 0.0 31.2

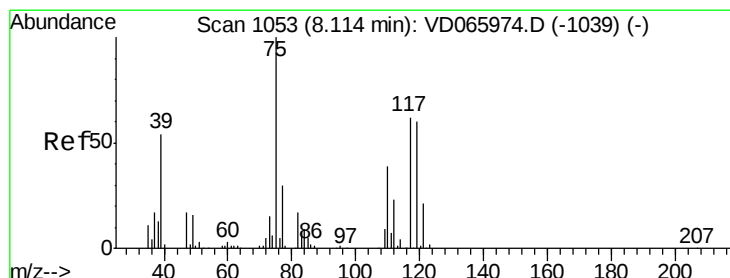
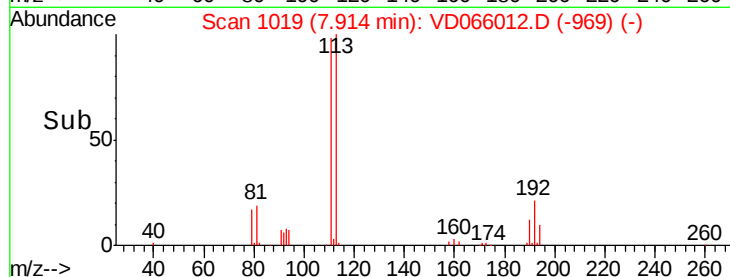
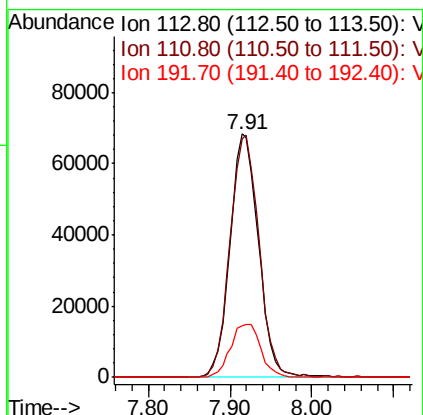
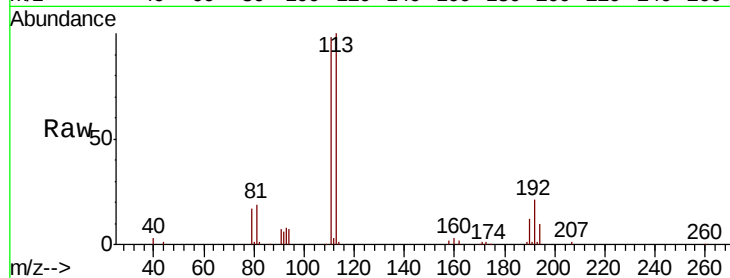




#35
 Dibromofluoromethane
 Concen: 51.140 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066012.D
 Acq: 22 Jul 2020 20:01

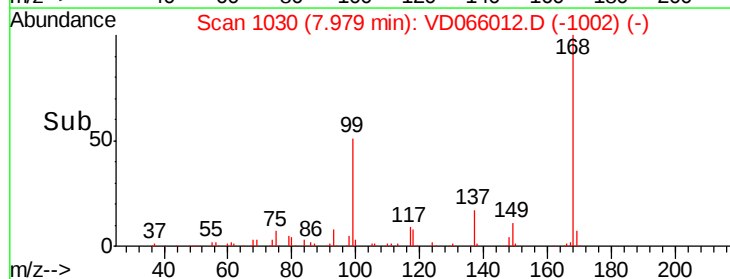
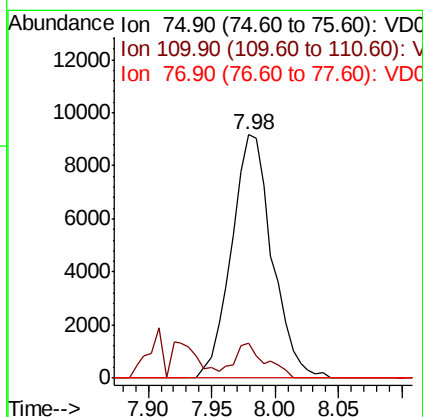
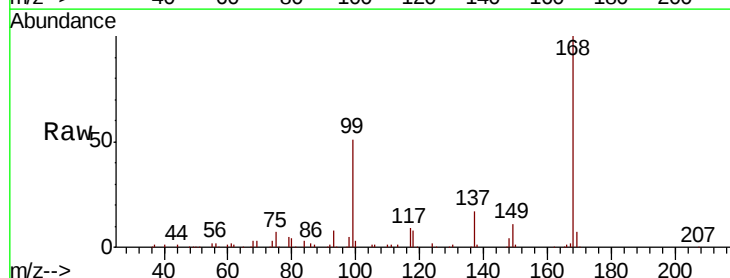
Instrument :
 MSVOA_D
 ClientSampleId :
 52-09-57

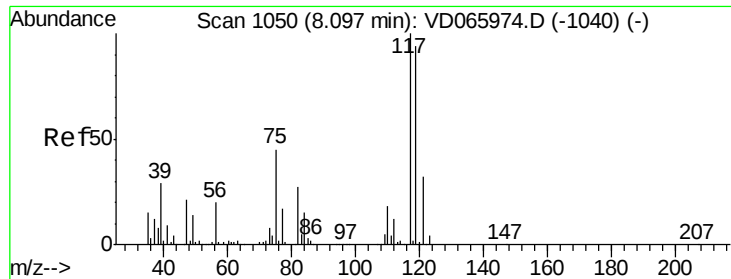
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	83.2	124.8
192	23.2	18.7	28.1



#36
 1,1-Dichloropropene
 Concen: 4.468 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD066012.D
 Acq: 22 Jul 2020 20:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.0	19.5	58.5#
77	0.0	24.7	37.1#

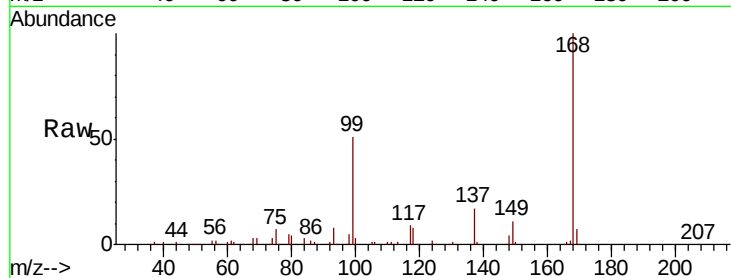




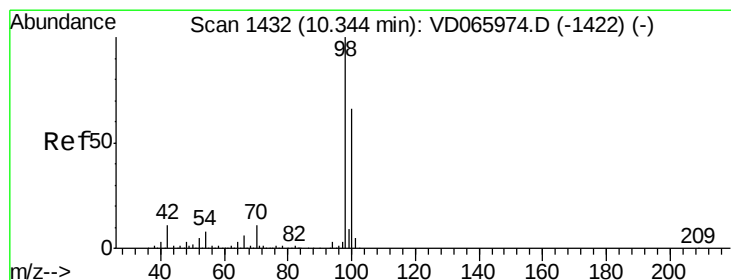
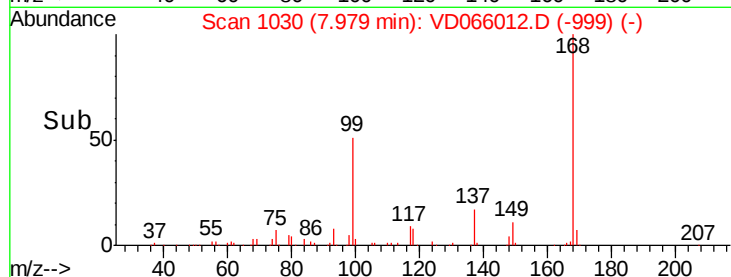
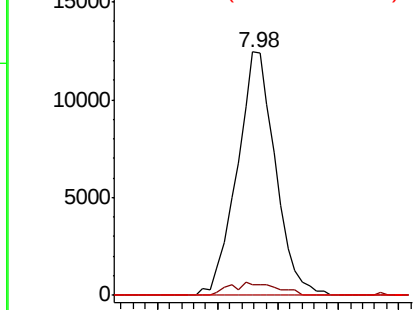
#38
Carbon Tetrachloride
Concen: 5.555 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD066012.D
Acq: 22 Jul 2020 20:01

Instrument :
MSVOA_D
ClientSampleId :
52-09-57

Tot Ion:117 Resp: 27490
Ion Ratio Lower Upper
117 100
119 4.2 75.0 112.6#
121 0.0 25.5 38.3#

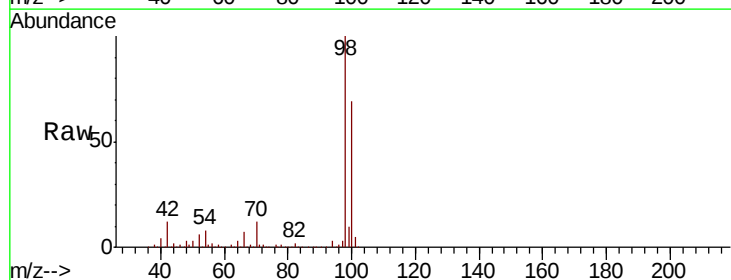


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

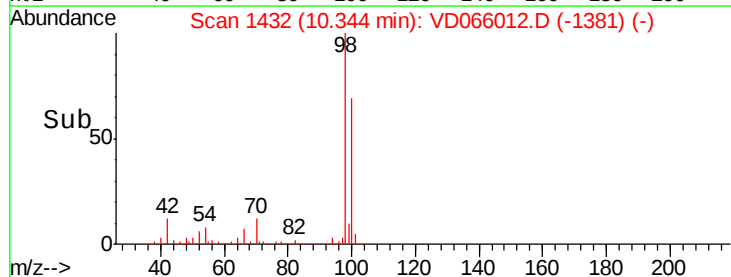
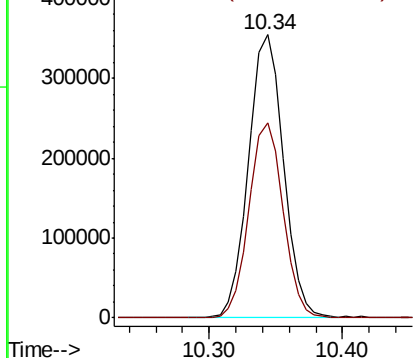


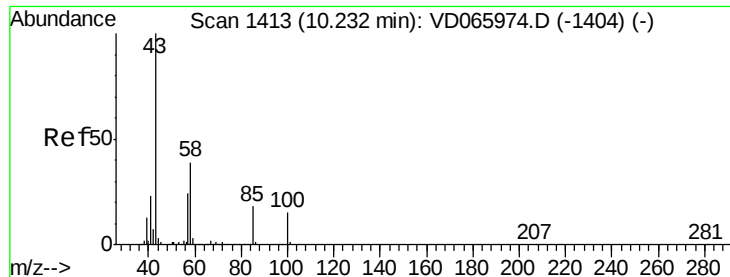
#50
Toluene-d8
Concen: 53.195 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD066012.D
Acq: 22 Jul 2020 20:01

Tgt Ion: 98 Resp: 642318
Ion Ratio Lower Upper
98 100
100 67.8 52.7 79.1



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





#51

4-Methyl-2-Pentanone

Concen: 1.659 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD066012.D

Acq: 22 Jul 2020 20:01

Instrument :

MSVOA_D

ClientSampleID :

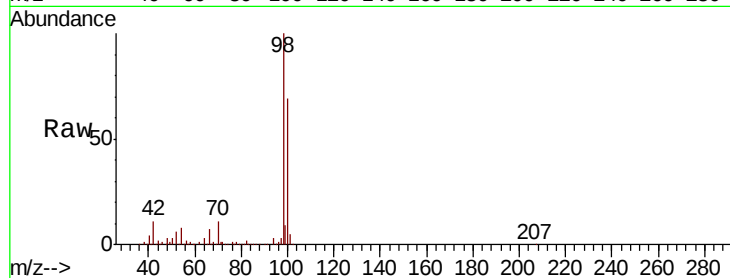
52-09-57

Tot Ion: 43 Resp: 2843

Ion Ratio Lower Upper

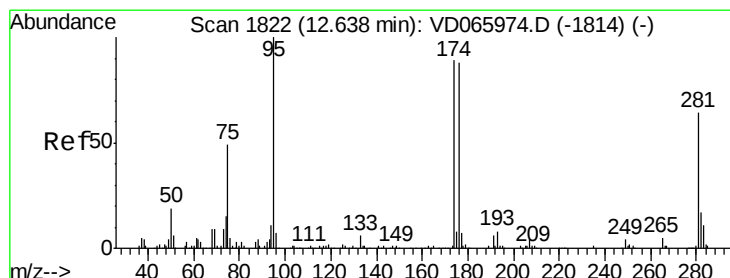
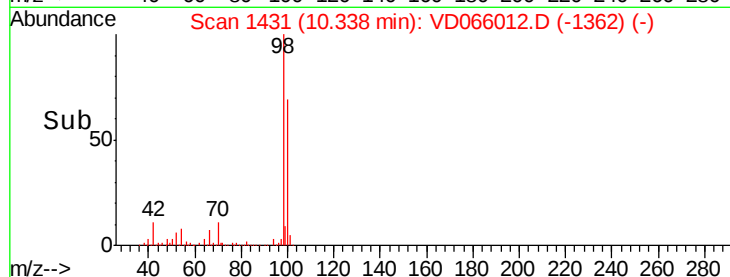
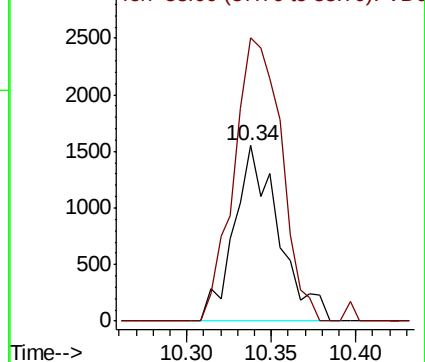
43 100

58 172.5 31.3 46.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 59.745 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD066012.D

Acq: 22 Jul 2020 20:01

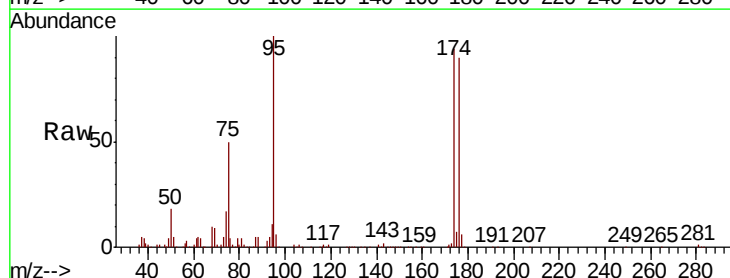
Tgt Ion: 95 Resp: 250139

Ion Ratio Lower Upper

95 100

174 93.5 0.0 178.8

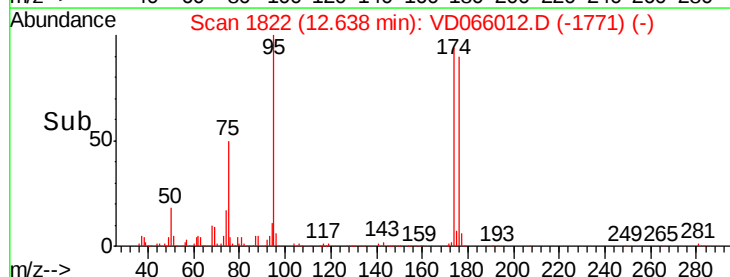
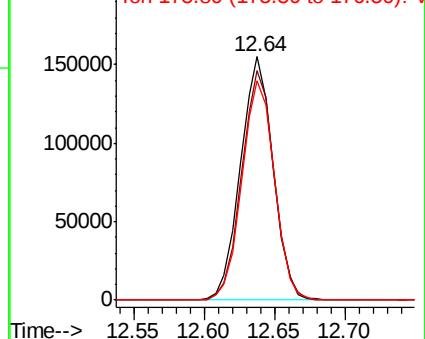
176 90.2 0.0 172.6

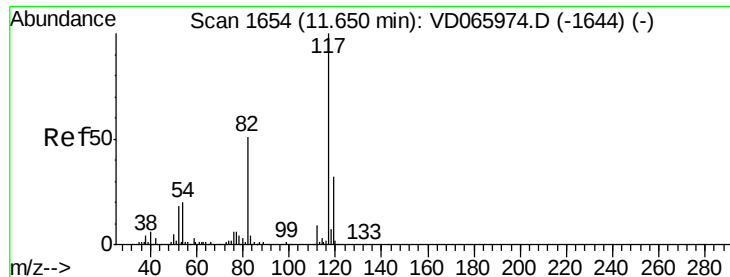


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

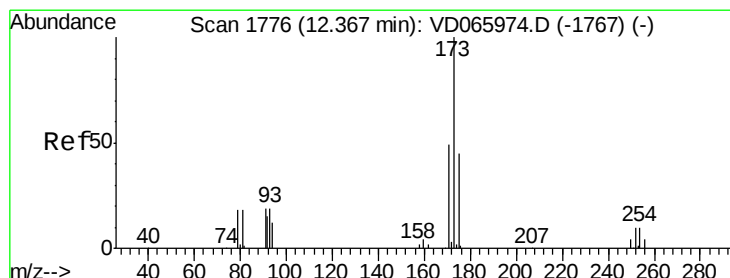
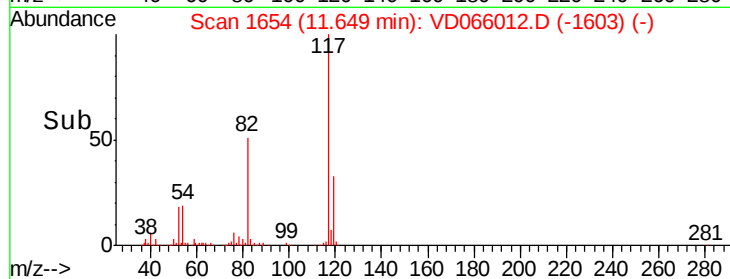
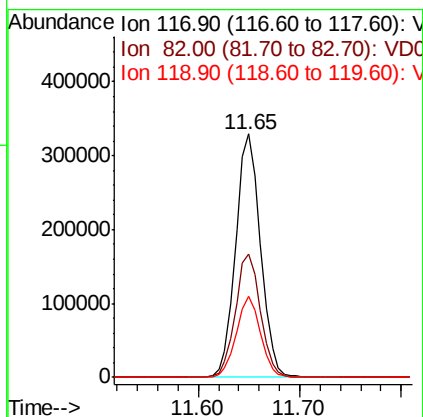
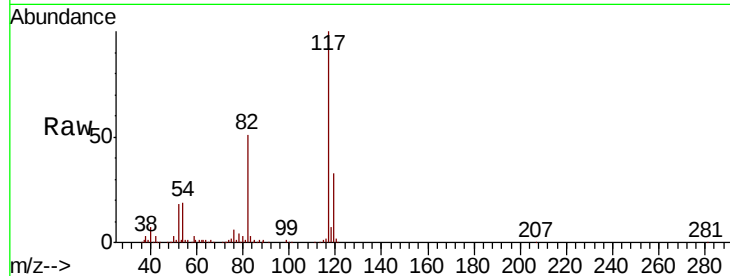




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.65 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VD066012.D
 Acq: 22 Jul 2020 20:01

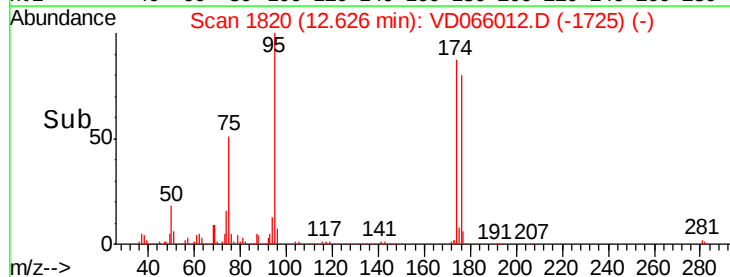
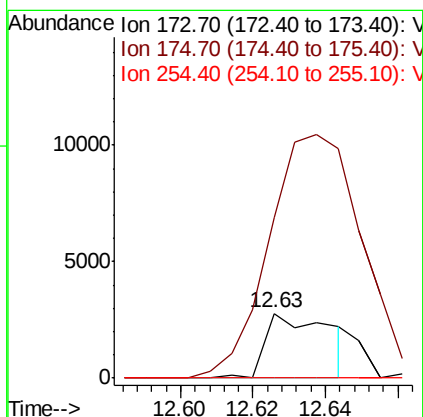
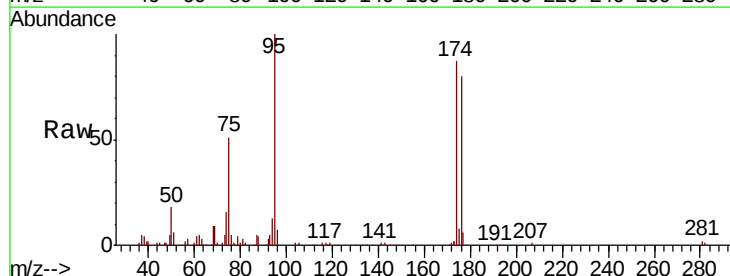
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 52-09-57

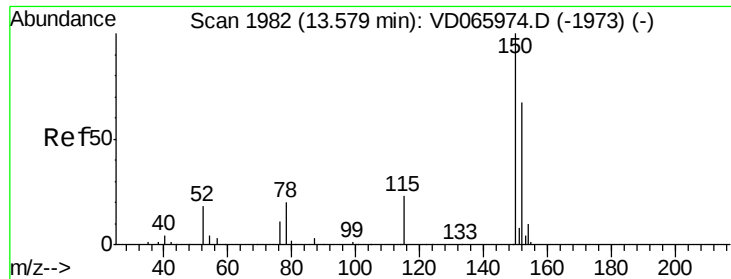
Tot Ion:117 Resp: 559616
 Ion Ratio Lower Upper
 117 100
 82 50.5 41.1 61.7
 119 33.0 25.9 38.9



#71
 Bromoform
 Concen: 1.537 ug/l
 RT: 12.63 min Scan# 1820
 Delta R.T. 0.26 min
 Lab File: VD066012.D
 Acq: 22 Jul 2020 20:01

Tgt Ion:173 Resp: 3406
 Ion Ratio Lower Upper
 173 100
 175 431.8 24.1 72.3#
 254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066012.D

Acq: 22 Jul 2020 20:01

Instrument :

MSVOA_D

ClientSampleId :

52-09-57

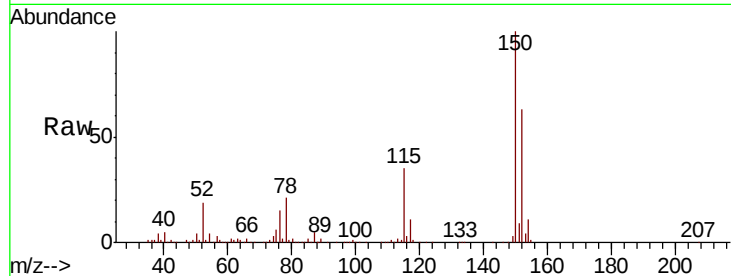
Tot Ion:152 Resp: 291487

Ion Ratio Lower Upper

152 100

115 54.6 27.9 83.7

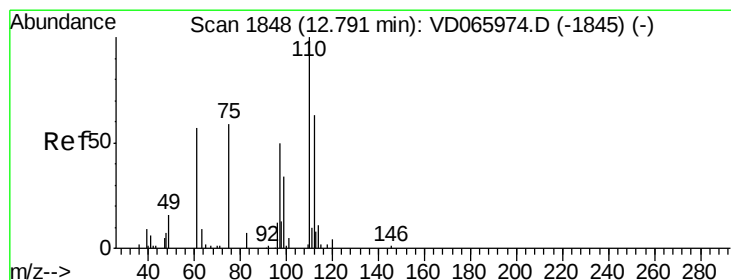
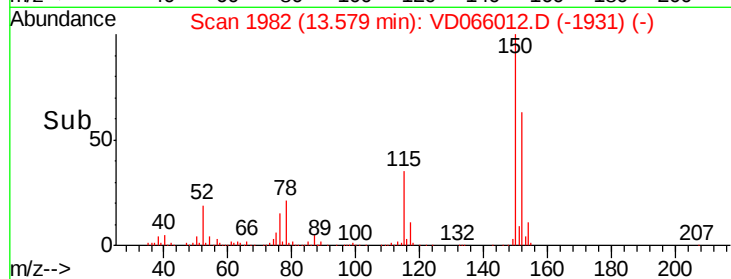
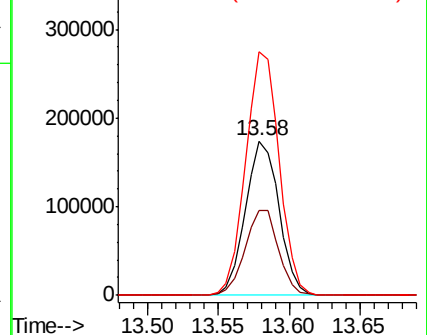
150 157.1 0.0 348.2



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: 57.076 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066012.D

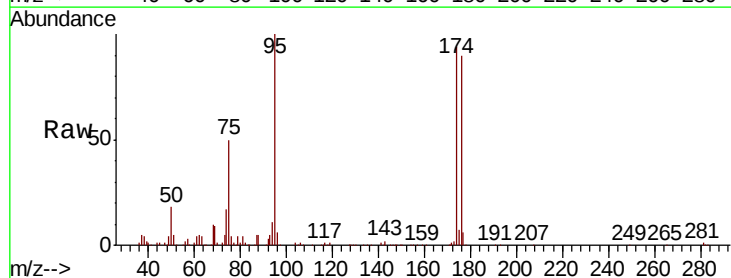
Acq: 22 Jul 2020 20:01

Tgt Ion: 75 Resp: 125268

Ion Ratio Lower Upper

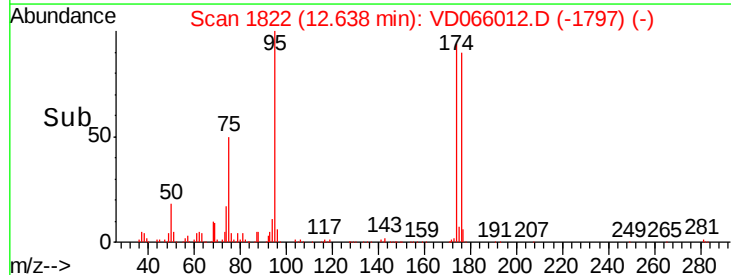
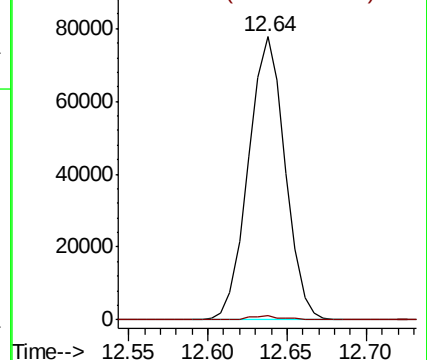
75 100

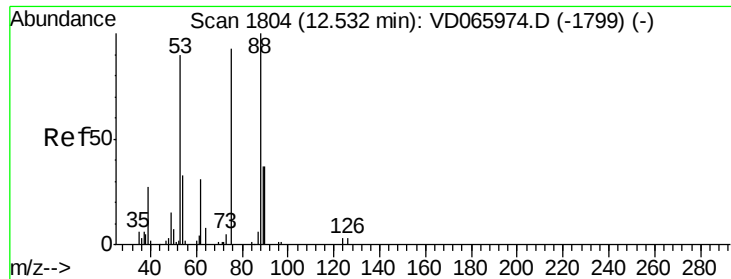
77 1.3 0.0 0.0#



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: 130.970 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066012.D

Acq: 22 Jul 2020 20:01

Instrument :

MSVOA_D

ClientSampleId :

52-09-57

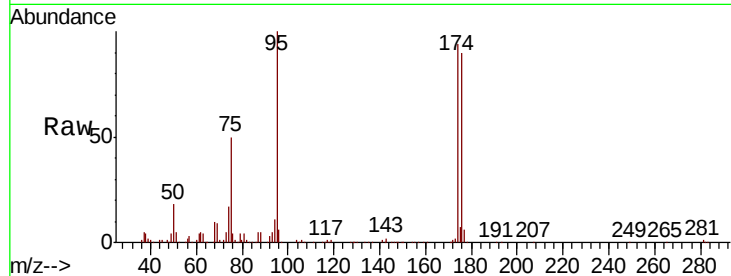
Tot Ion: 75 Resp: 125268

Ion Ratio Lower Upper

75 100

53 0.0 76.8 115.2#

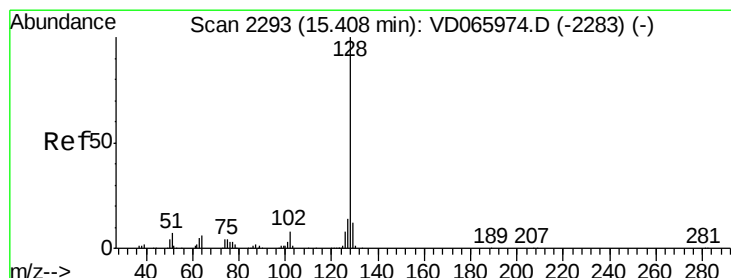
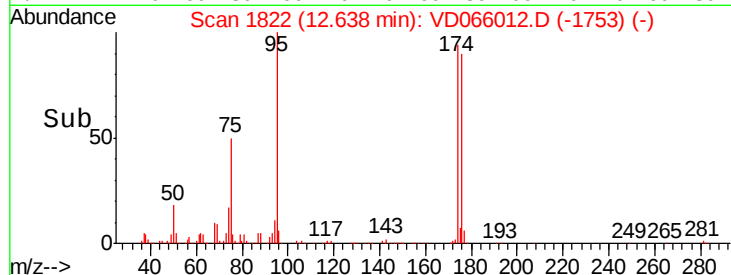
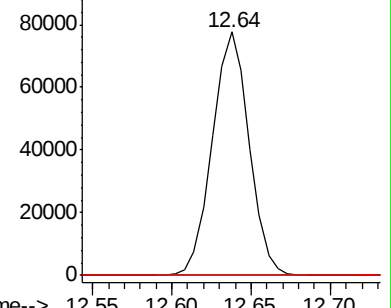
89 0.0 37.0 55.4#



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: 3.596 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD066012.D

Acq: 22 Jul 2020 20:01

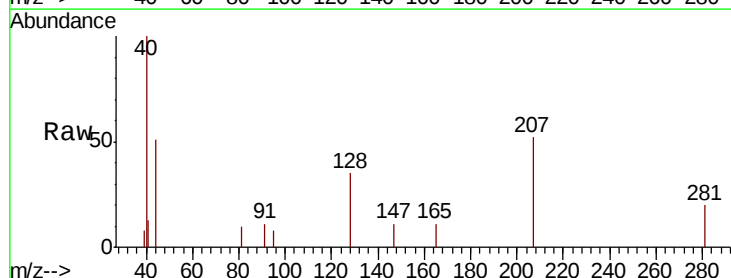
Tgt Ion: 128 Resp: 486

Ion Ratio Lower Upper

128 100

127 0.0 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

