

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100920\
 Data File : VD067220.D
 Acq On : 09 Oct 2020 19:07
 Operator : VA/SY
 Sample : L4319-03
 Misc : 5.05G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 12018

Quant Time: Oct 09 23:48:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	461350	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	773484	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	711982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	333532	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	216897	48.81	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.62%	
35) Dibromofluoromethane	7.91	113	247485	48.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.74%	
50) Toluene-d8	10.34	98	891835	48.33	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.66%	
62) 4-Bromofluorobenzene	12.64	95	310152	49.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.02%	

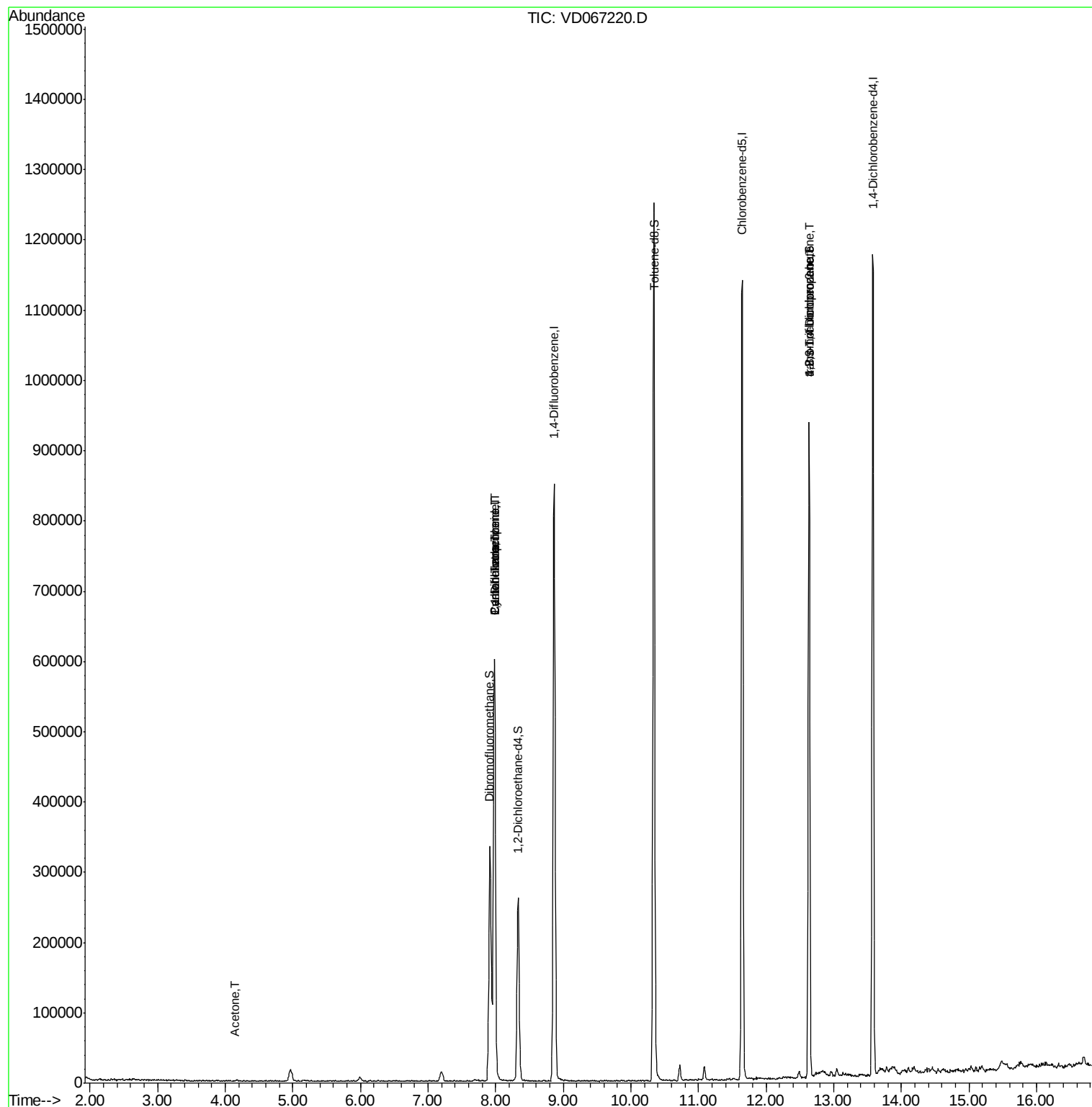
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	140	Below Cal	#	36
5) Bromomethane	2.77	94	134	Below Cal	#	75
11) Tert butyl alcohol	5.20	59	307	Below Cal	#	72
16) Acetone	4.16	43	1542	2.273	ug/l #	80
20) Methylene Chloride	4.97	84	14081	Below Cal	#	80
26) 2,2-Dichloropropane	7.19	77	852	Below Cal	#	53
31) Cyclohexane	7.98	56	7923	1.187	ug/l #	7
36) 1,1-Dichloropropene	7.98	75	34186	4.742	ug/l #	48
38) Carbon Tetrachloride	7.98	117	47454	6.083	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	154675	53.241	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	154675	132.737	ug/l #	12

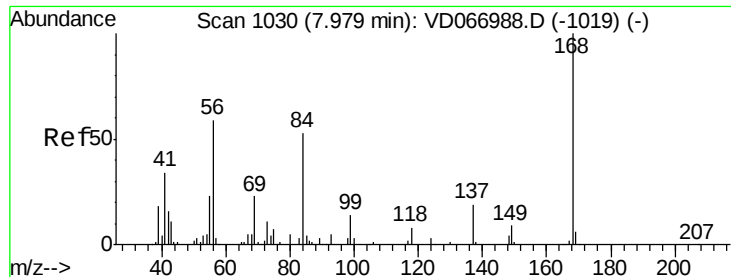
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100920\
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Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 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: VD067220.D

Acq: 09 Oct 2020 19:07

Instrument :

MSVOA_D

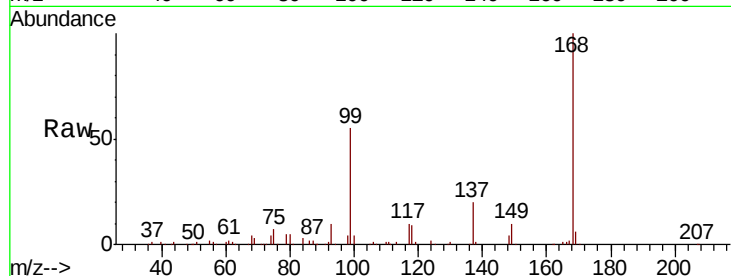
ClientSampleId :
12018

Tot Ion:168 Resp: 461350

Ion Ratio Lower Upper

168 100

99 55.4 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

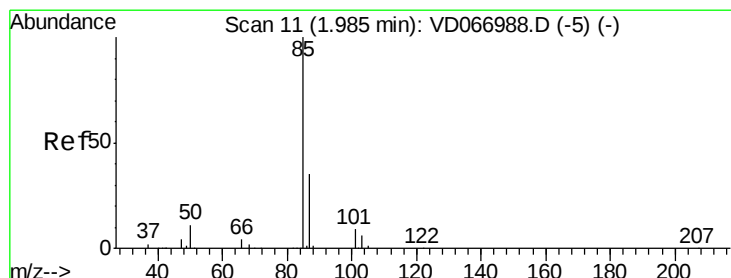
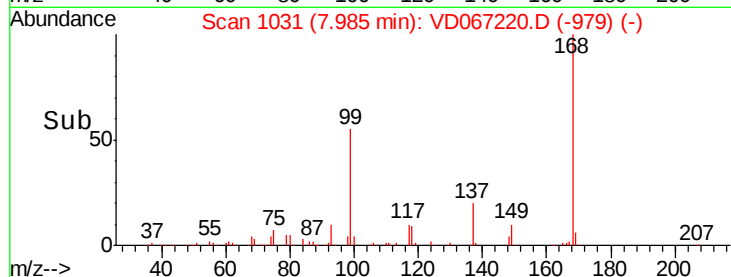
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067220.D

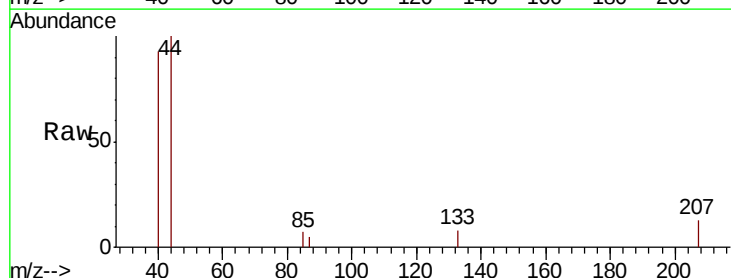
Acq: 09 Oct 2020 19:07

Tgt Ion: 85 Resp: 140

Ion Ratio Lower Upper

85 100

87 71.8 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

250

200

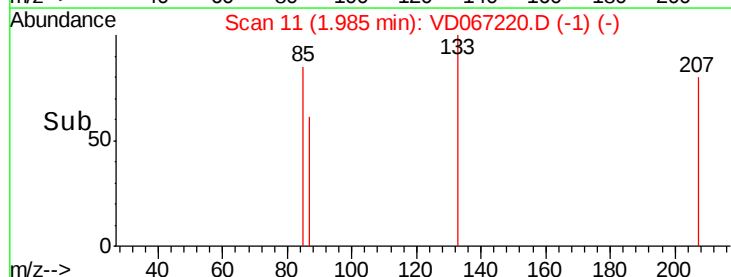
150

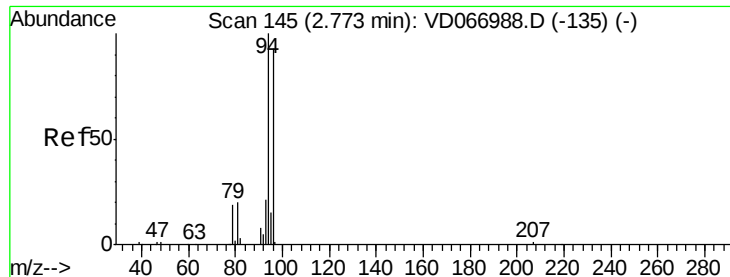
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067220.D

Acq: 09 Oct 2020 19:07

Instrument :

MSVOA_D

ClientSampleId :

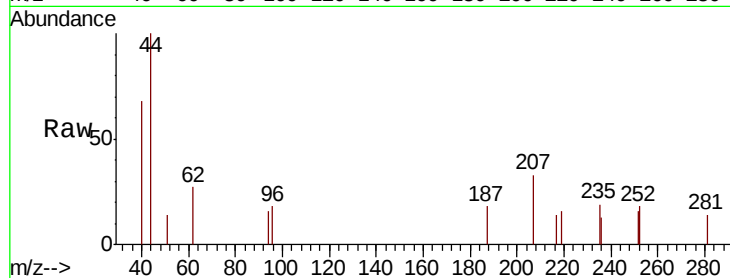
12018

Tot Ion: 94 Resp: 134

Ion Ratio Lower Upper

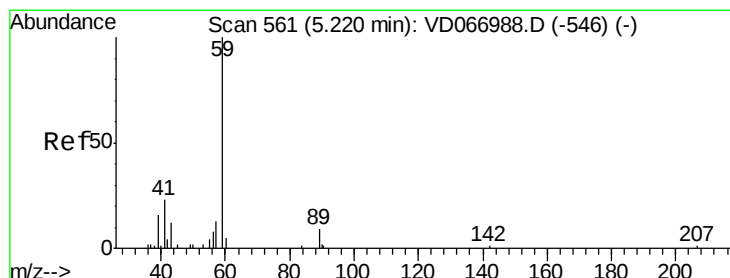
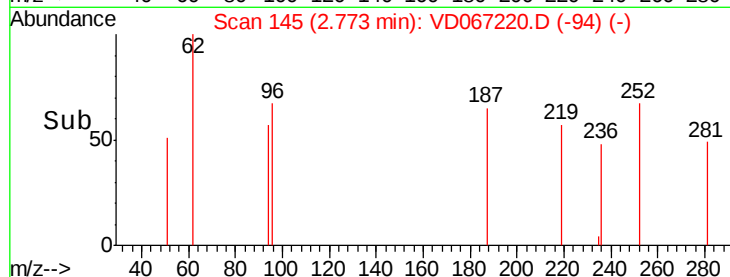
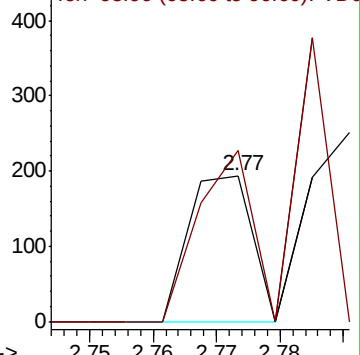
94 100

96 117.5 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD067220.D

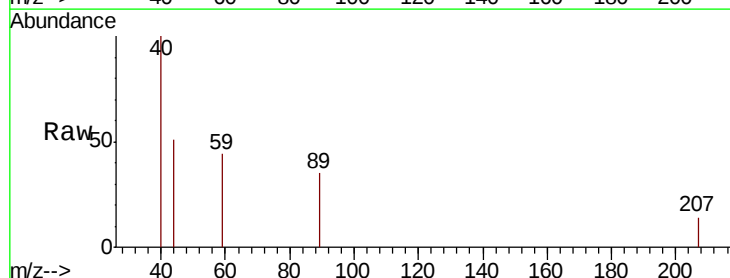
Acq: 09 Oct 2020 19:07

Tgt Ion: 59 Resp: 307

Ion Ratio Lower Upper

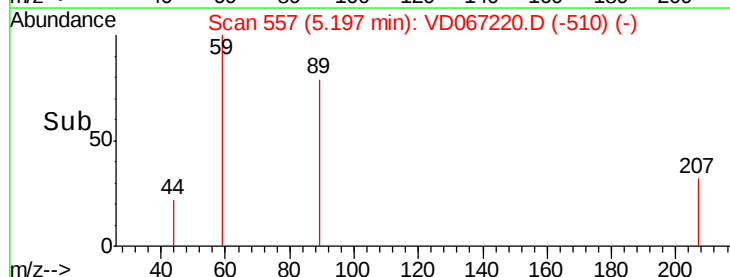
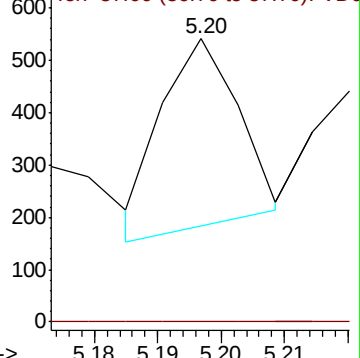
59 100

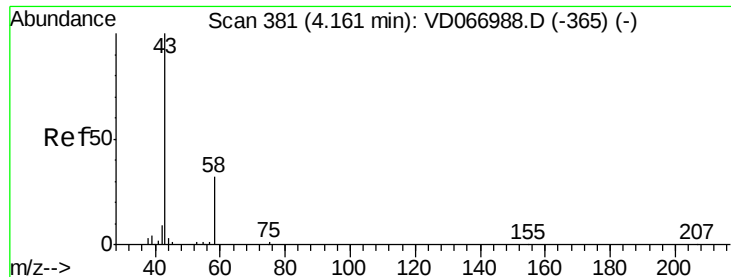
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 2.273 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067220.D

Acq: 09 Oct 2020 19:07

Instrument :

MSVOA_D

ClientSampleId :

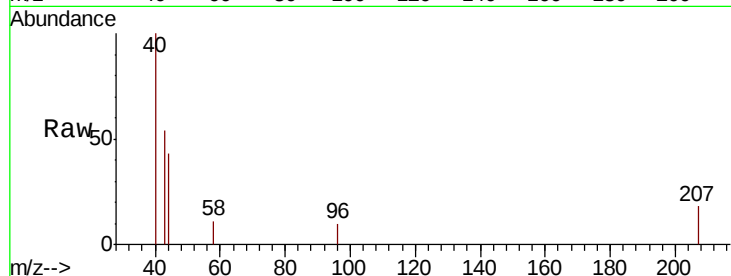
12018

Tot Ion: 43 Resp: 1542

Ion Ratio Lower Upper

43 100

58 21.0 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

800

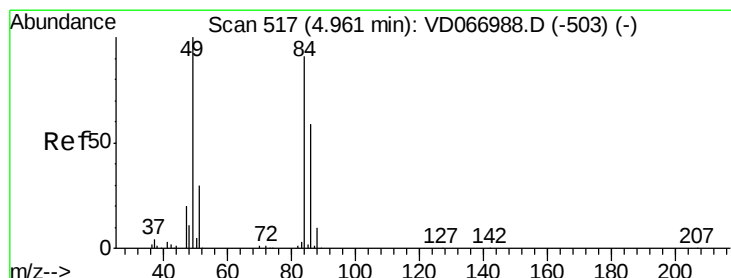
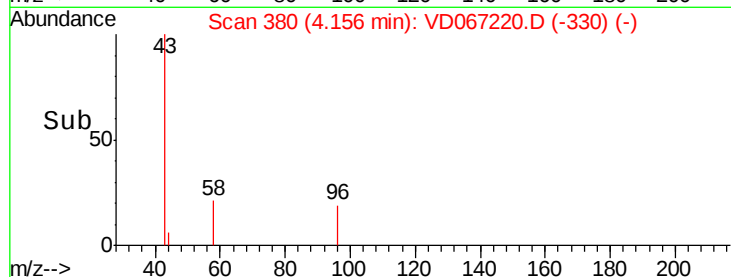
600

400

200

0

Time--> 4.10 4.15 4.20



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD067220.D

Acq: 09 Oct 2020 19:07

Tgt Ion: 84 Resp: 14081

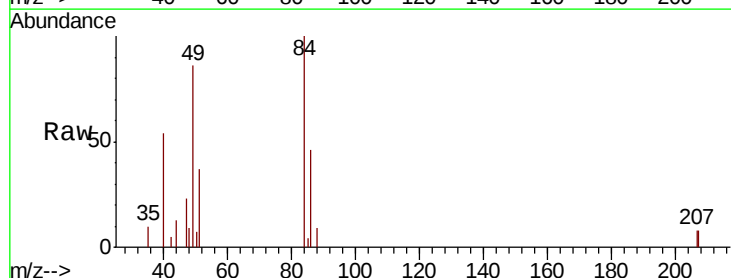
Ion Ratio Lower Upper

84 100

49 86.3 88.2 132.2#

51 36.5 26.6 39.8

86 46.4 52.1 78.1#



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

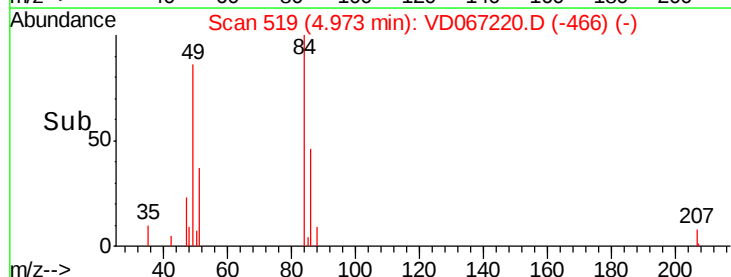
6000

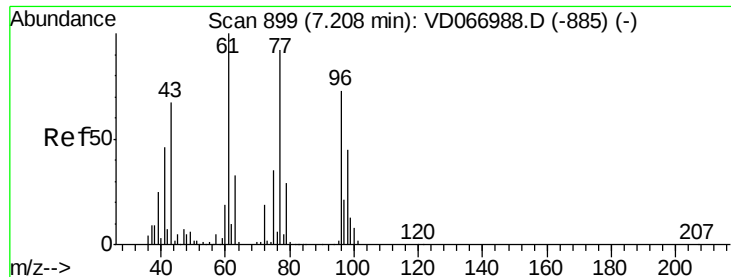
4000

2000

0

Time--> 4.90 5.00





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.19 min Scan# 896

Delta R.T. -0.02 min

Lab File: VD067220.D

Acq: 09 Oct 2020 19:07

Instrument :

MSVOA_D

ClientSampleId :

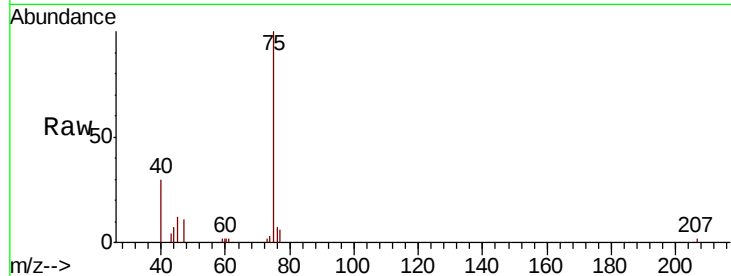
12018

Tot Ion: 77 Resp: 852

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.19

500

400

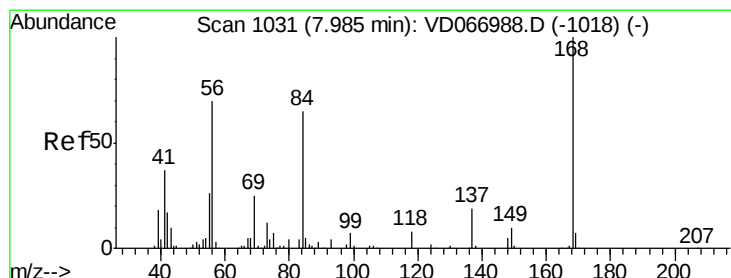
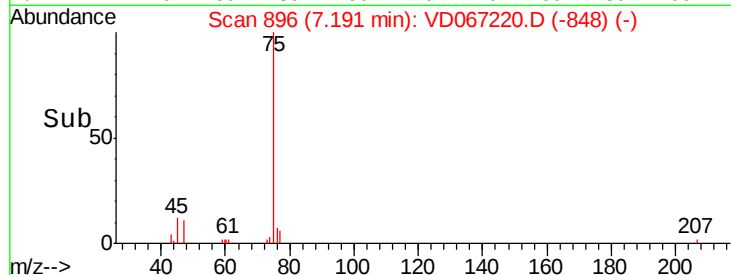
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 1.187 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067220.D

Acq: 09 Oct 2020 19:07

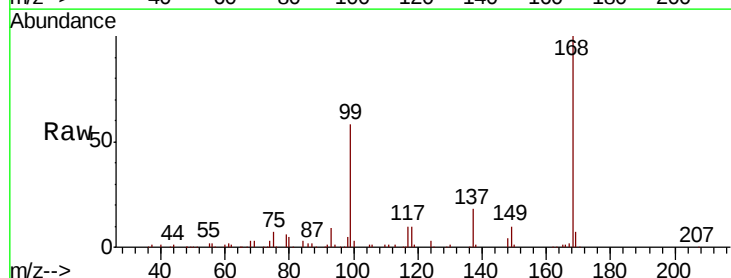
Tgt Ion: 56 Resp: 7923

Ion Ratio Lower Upper

56 100

69 167.5 29.0 43.6#

84 132.7 74.2 111.2#



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

8000

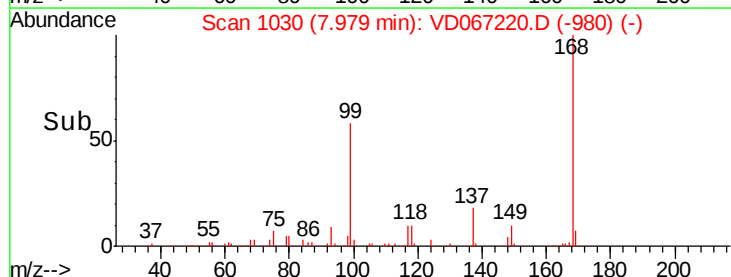
6000

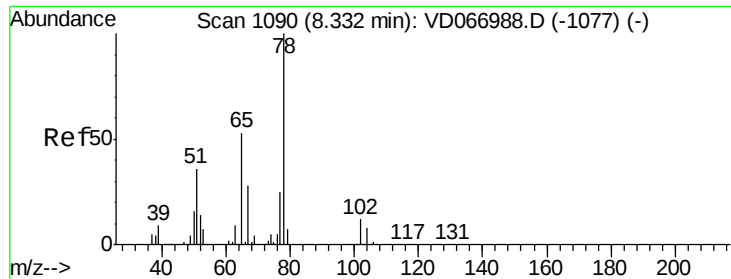
4000

2000

0

Time-->

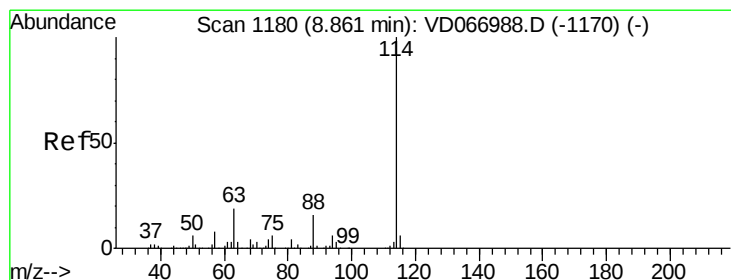
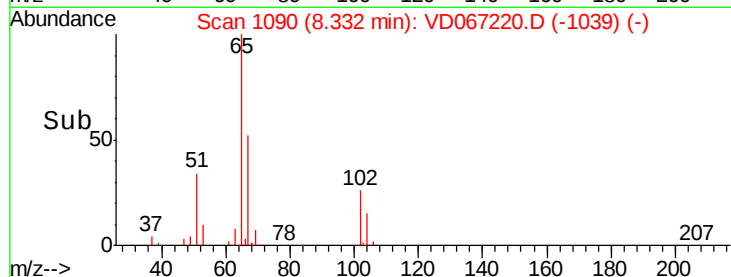
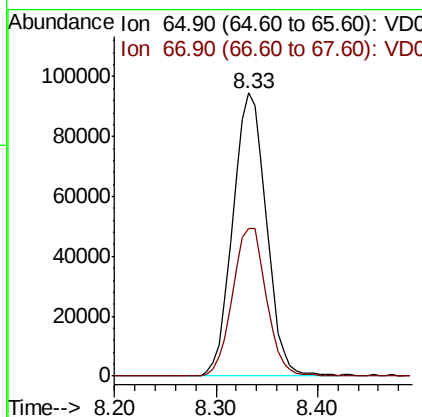
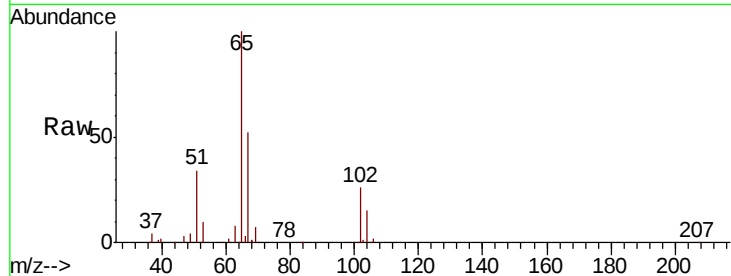




#33
 1,2-Dichloroethane-d4
 Concen: 48.810 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067220.D
 Acq: 09 Oct 2020 19:07

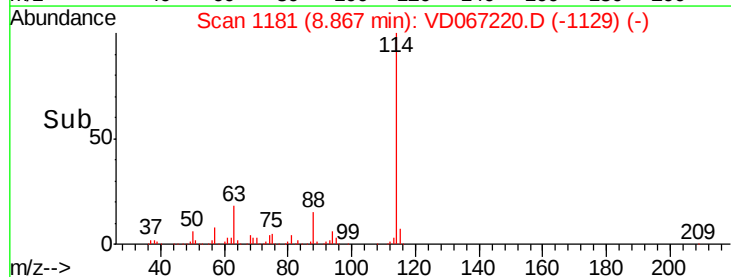
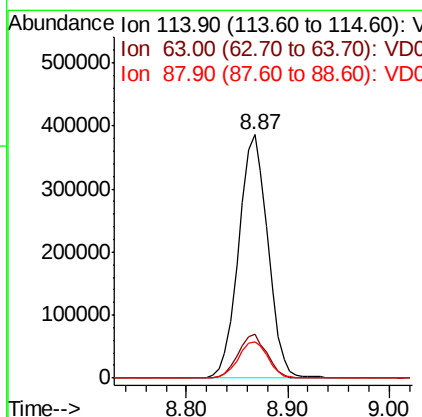
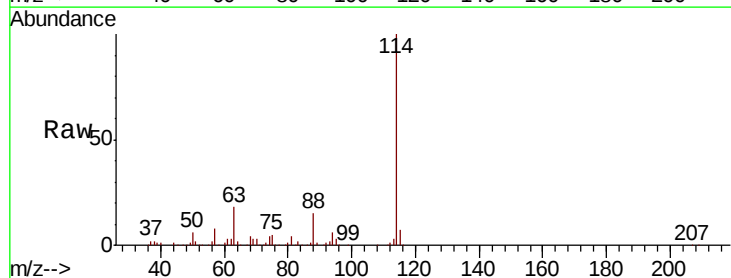
Instrument :
 MSVOA_D
 ClientSampleId :
 12018

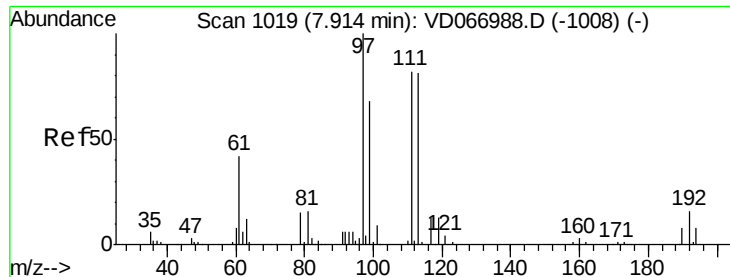
Tot Ion: 65 Resp: 216897
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067220.D
 Acq: 09 Oct 2020 19:07

Tgt Ion: 114 Resp: 773484
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 38.4
 88 14.7 0.0 31.2

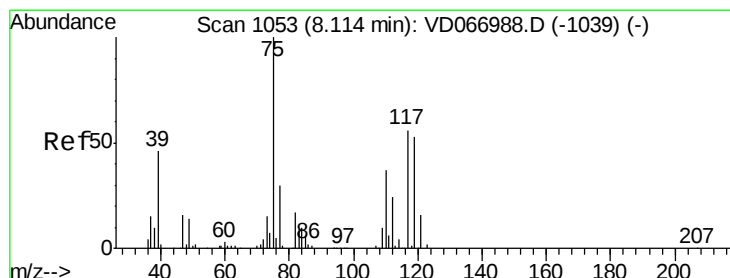
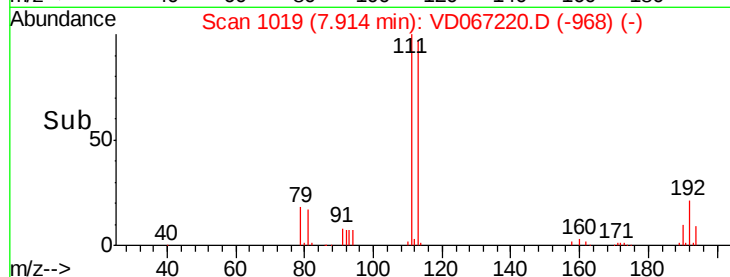
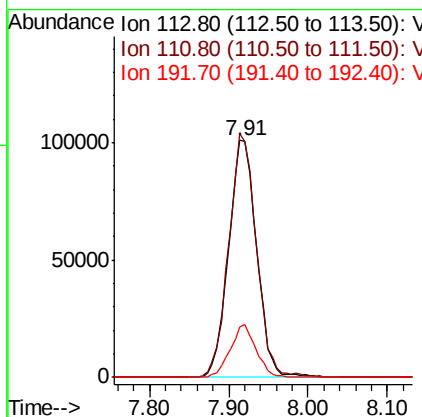
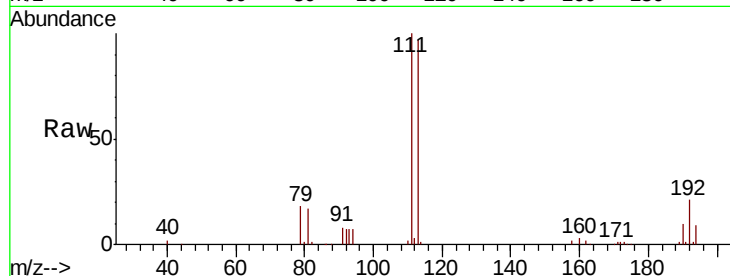




#35
 Dibromofluoromethane
 Concen: 48.873 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067220.D
 Acq: 09 Oct 2020 19:07

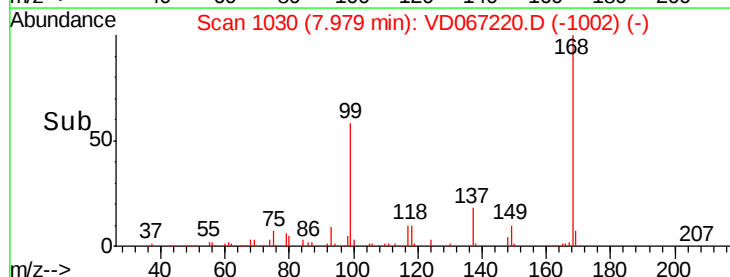
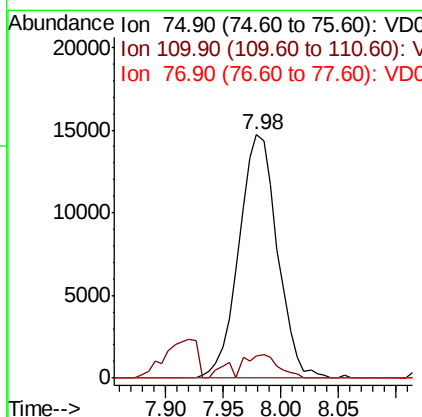
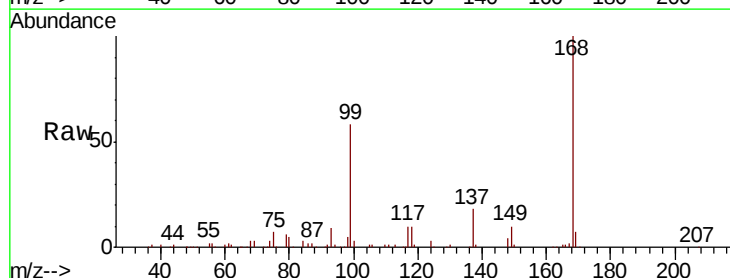
Instrument :
 MSVOA_D
 ClientSampled :
 12018

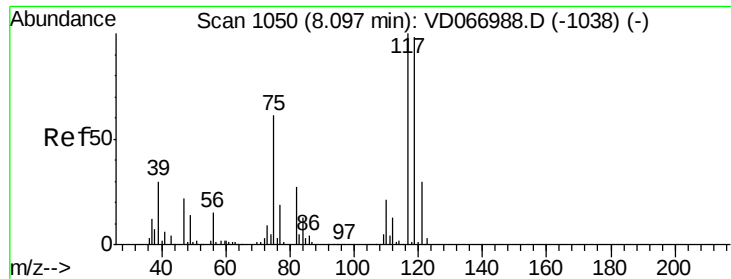
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.0	124.4
192	20.3	15.5	23.3



#36
 1,1-Dichloropropene
 Concen: 4.742 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067220.D
 Acq: 09 Oct 2020 19:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.4	55.0#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.083 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067220.D

Acq: 09 Oct 2020 19:07

Instrument :

MSVOA_D

ClientSampled :

12018

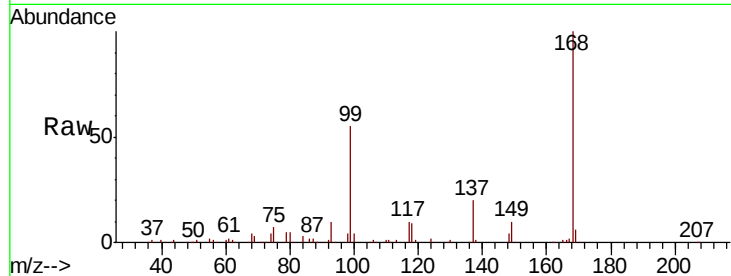
Tot Ion:117 Resp: 47454

Ion Ratio Lower Upper

117 100

119 7.8 78.7 118.1#

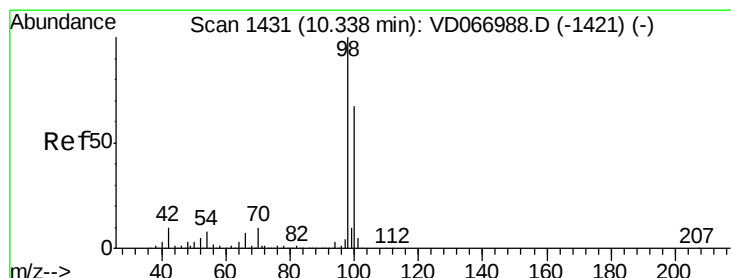
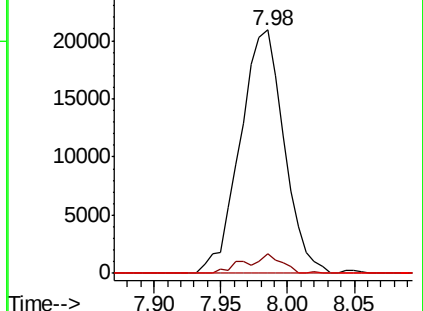
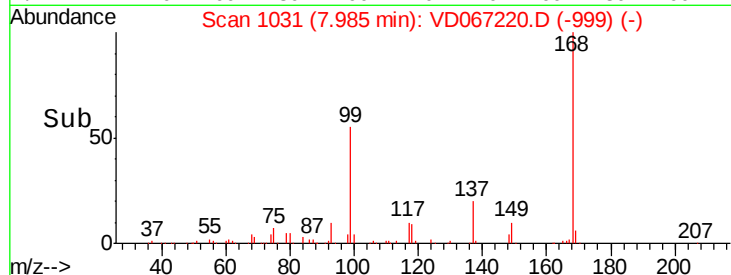
121 0.0 24.2 36.2#



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: 48.333 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD067220.D

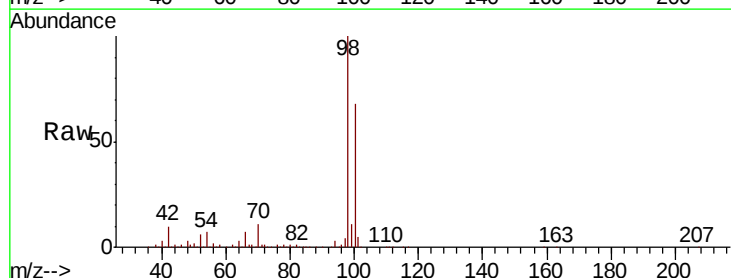
Acq: 09 Oct 2020 19:07

Tgt Ion: 98 Resp: 891835

Ion Ratio Lower Upper

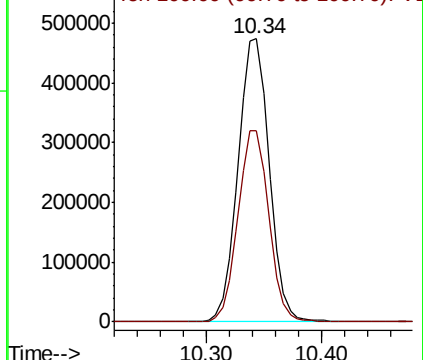
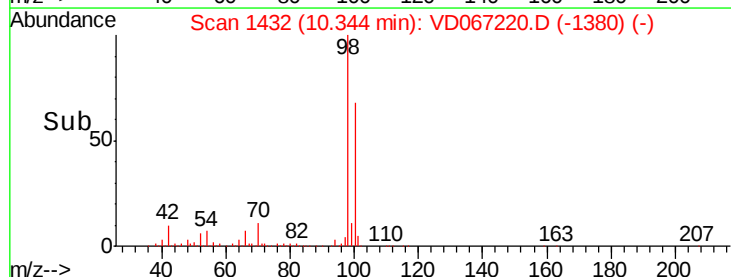
98 100

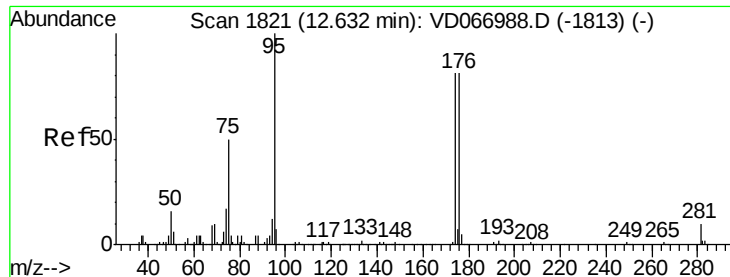
100 66.9 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

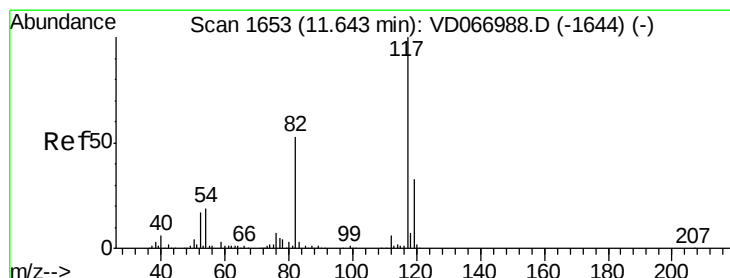
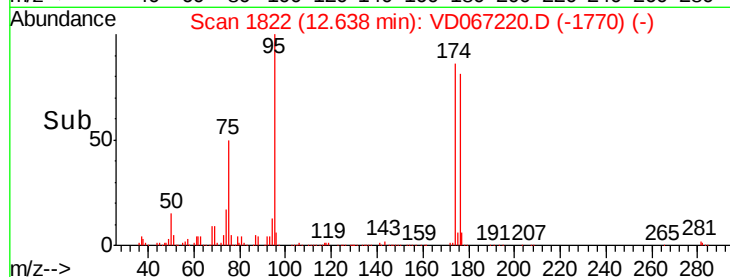
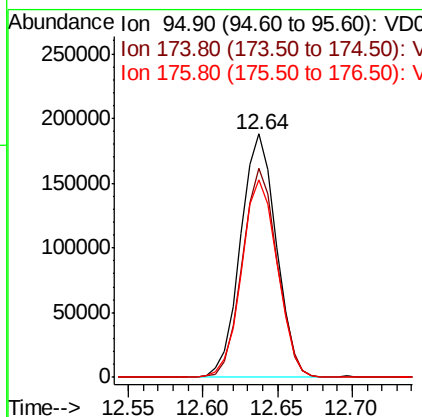
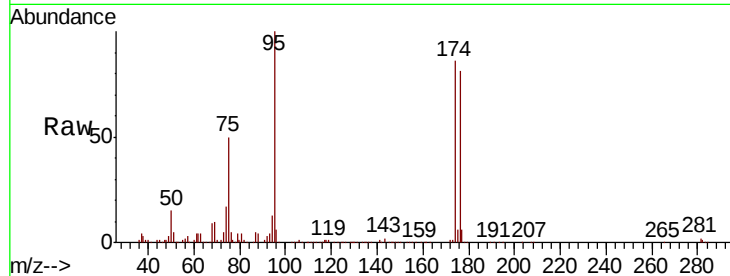




#62
4-Bromofluorobenzene
Concen: 49.513 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067220.D
Acq: 09 Oct 2020 19:07

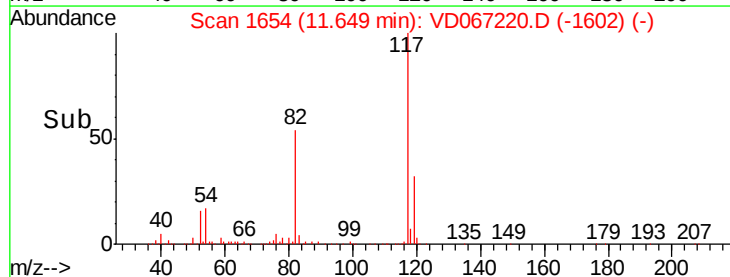
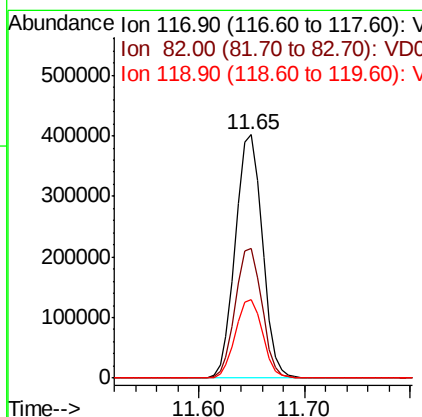
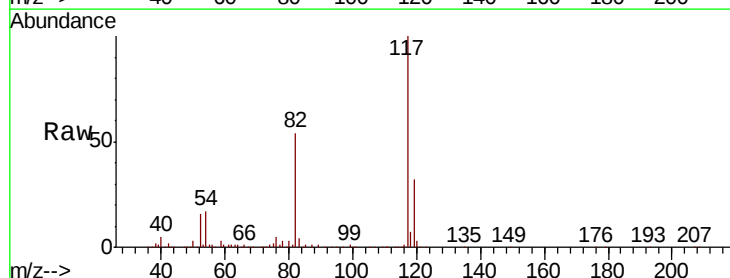
Instrument :
MSVOA_D
ClientSampleId :
12018

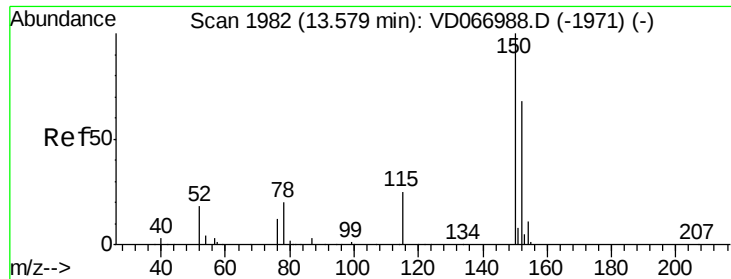
Tot Ion: 95 Resp: 310152
Ion Ratio Lower Upper
95 100
174 84.5 0.0 167.6
176 81.7 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067220.D
Acq: 09 Oct 2020 19:07

Tgt Ion: 117 Resp: 711982
Ion Ratio Lower Upper
117 100
82 53.5 42.6 63.8
119 32.3 26.3 39.5



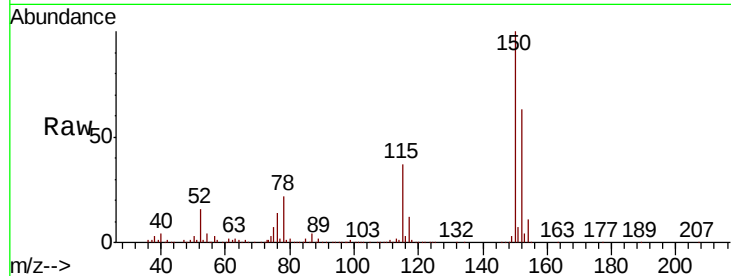


#72

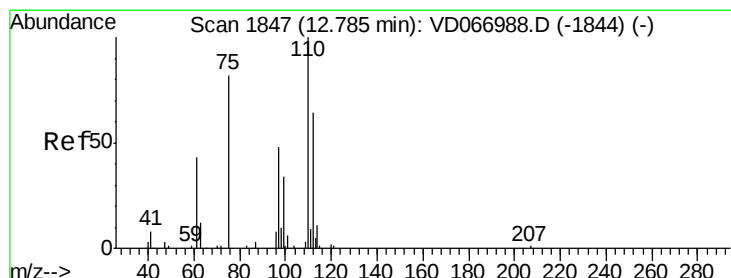
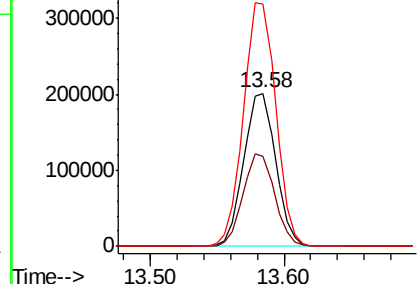
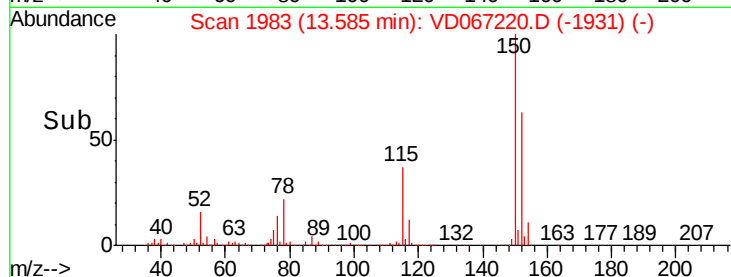
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD067220.D
Acq: 09 Oct 2020 19:07

Instrument :
MSVOA_D
ClientSampleId :
12018

Tot Ion:152 Resp: 333532
Ion Ratio Lower Upper
152 100
115 60.0 29.6 88.8
150 160.7 0.0 344.8



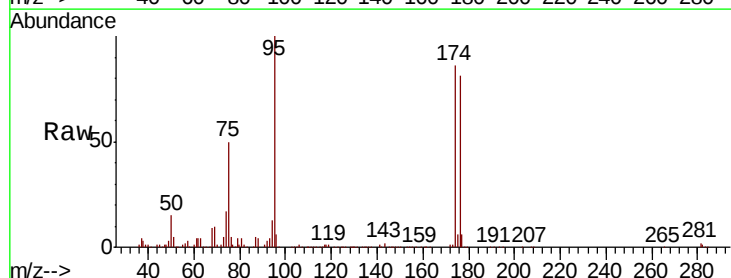
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



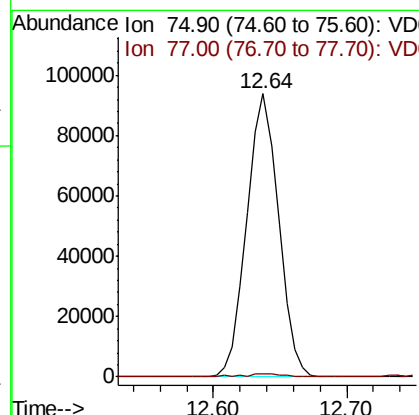
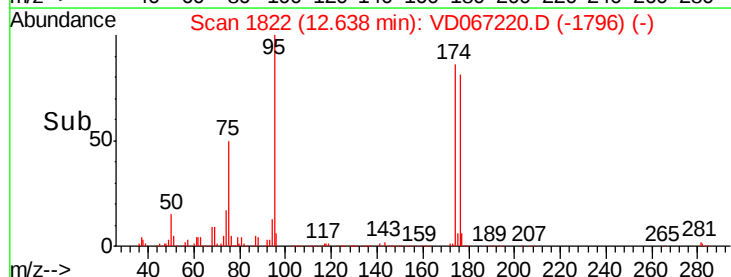
#76

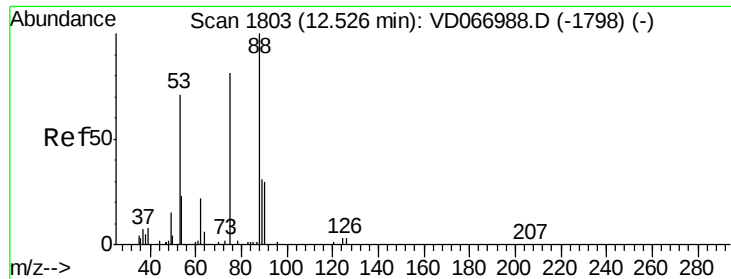
1,2,3-Trichloropropane
Concen: 53.241 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067220.D
Acq: 09 Oct 2020 19:07

Tgt Ion: 75 Resp: 154675
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 132.737 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067220.D

Acq: 09 Oct 2020 19:07

Instrument :

MSVOA_D

ClientSampleId :

12018

Tot Ion: 75 Resp: 154675

Ion Ratio Lower Upper

75 100

53 0.3 73.8 110.6#

89 0.1 38.9 58.3#

