

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067048.D
 Acq On : 02 Oct 2020 20:59
 Operator : VA/SY
 Sample : L4219-01
 Misc : 6.65G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-100120

Quant Time: Oct 03 04:50:33 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	501463	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	861804	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	751233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	305088	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	252501	52.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.56%	
35) Dibromofluoromethane	7.91	113	262380	46.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.00%	
50) Toluene-d8	10.34	98	988977	48.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.20%	
62) 4-Bromofluorobenzene	12.63	95	310195	44.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.90%	

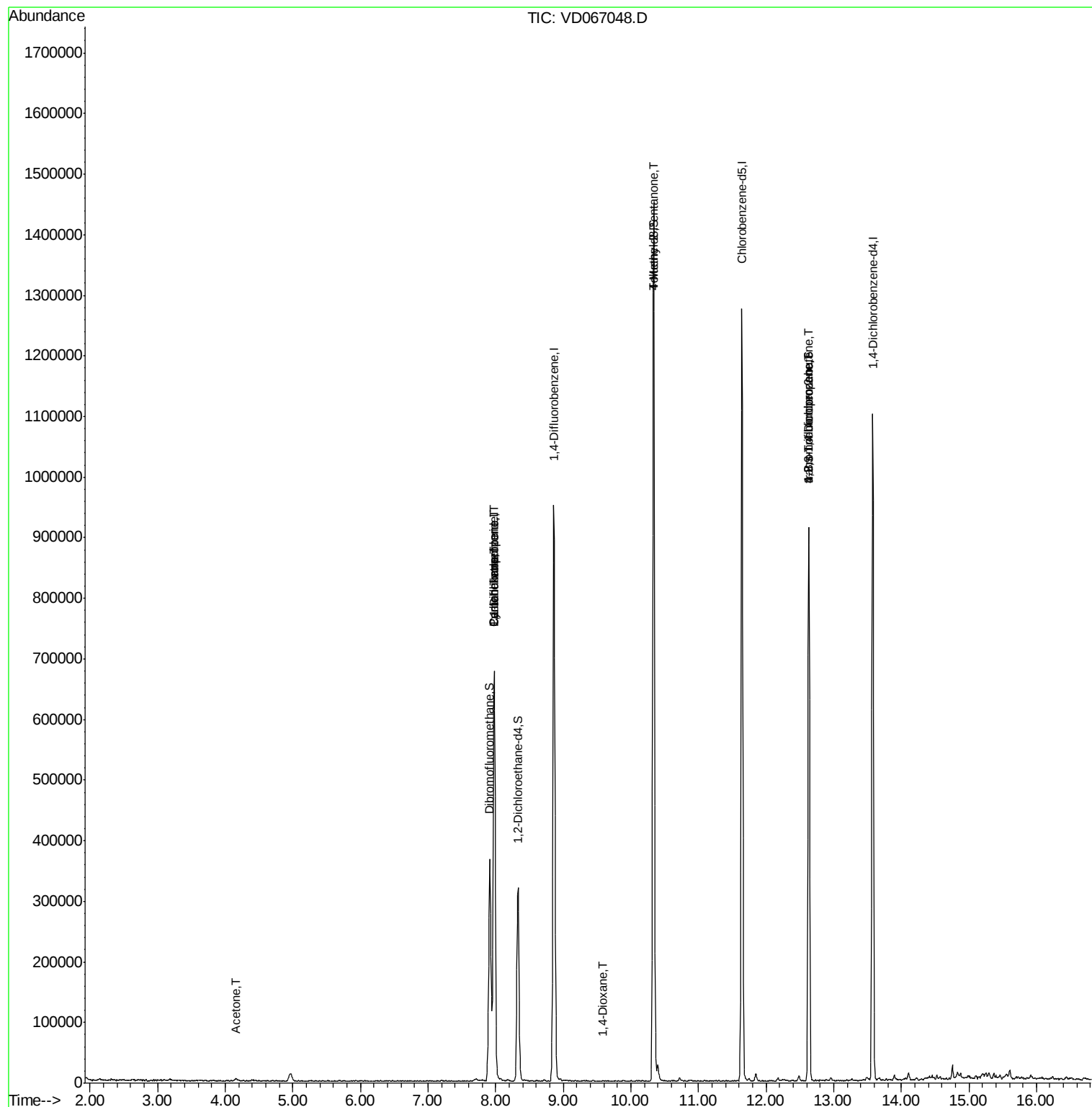
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	104	Below Cal	#	8
16) Acetone	4.16	43	8007	10.860	ug/l	96
20) Methylene Chloride	4.96	84	10657	Below Cal	#	94
31) Cyclohexane	7.98	56	9857	1.359	ug/l #	3
36) 1,1-Dichloropropene	7.98	75	36718	4.571	ug/l #	49
38) Carbon Tetrachloride	7.98	117	50139	5.769	ug/l #	14
49) 1,4-Dioxane	9.58	88	62	1.972	ug/l #	25
51) 4-Methyl-2-Pentanone	10.34	43	4278	1.675	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	151359	56.957	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	151359	142.001	ug/l #	12

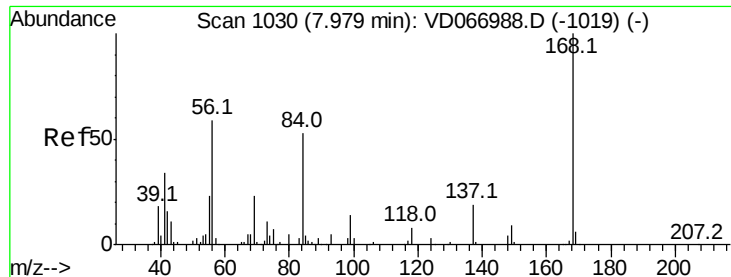
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\
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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# 1030

Delta R.T. -0.00 min

Lab File: VD067048.D

Acq: 02 Oct 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

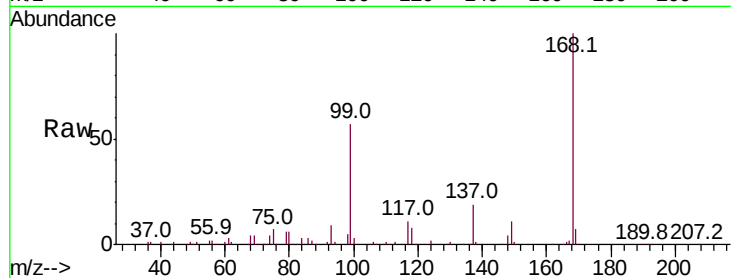
CL-01-100120

Tot Ion:168 Resp: 501463

Ion Ratio Lower Upper

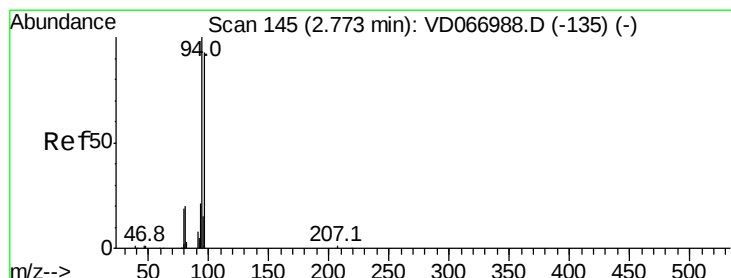
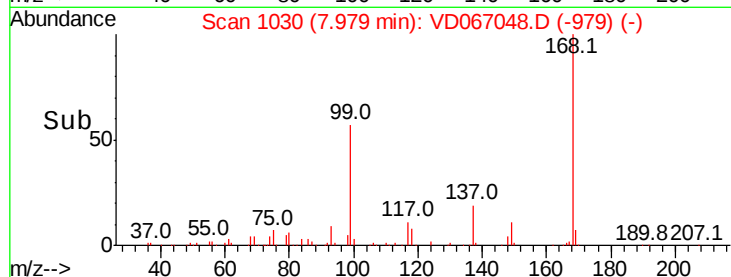
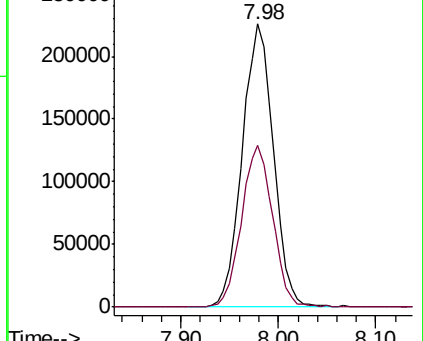
168 100

99 57.2 44.1 66.1



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: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067048.D

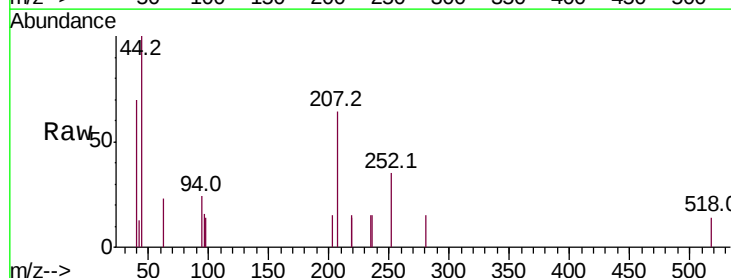
Acq: 02 Oct 2020 20:59

Tgt Ion: 94 Resp: 104

Ion Ratio Lower Upper

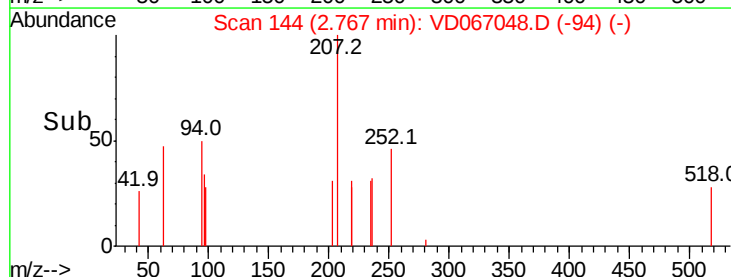
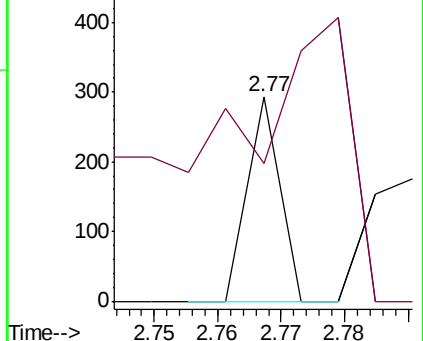
94 100

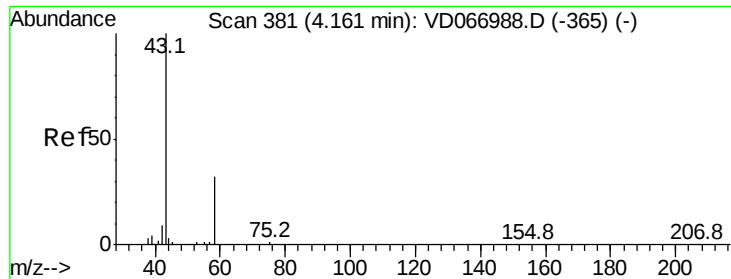
96 4.8 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 10.860 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067048.D

Acq: 02 Oct 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

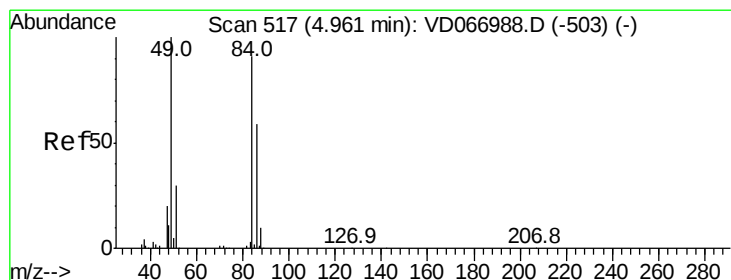
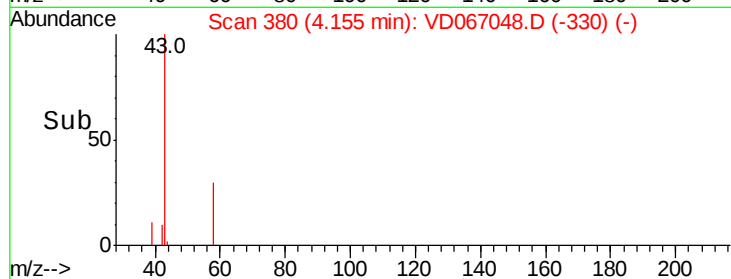
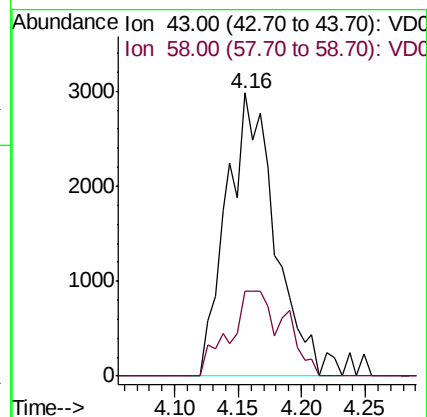
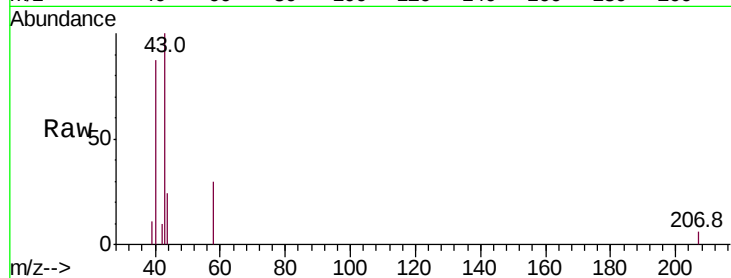
CL-01-100120

Tot Ion: 43 Resp: 8007

Ion Ratio Lower Upper

43 100

58 30.1 25.9 38.9



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD067048.D

Acq: 02 Oct 2020 20:59

Tgt Ion: 84 Resp: 10657

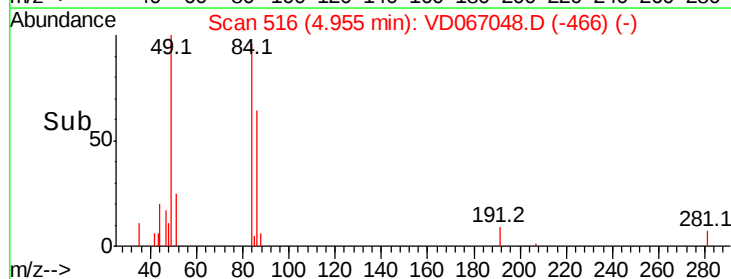
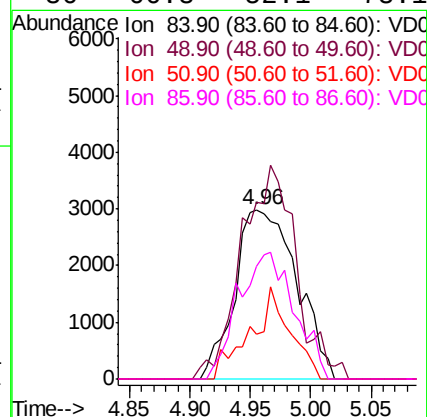
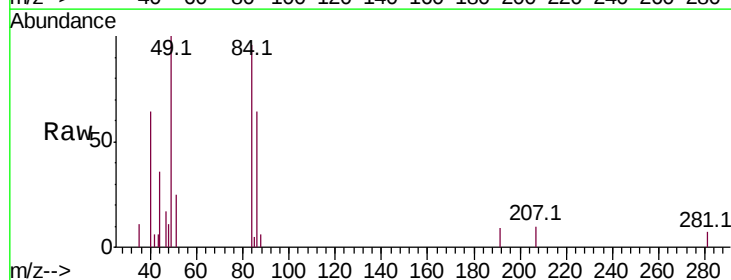
Ion Ratio Lower Upper

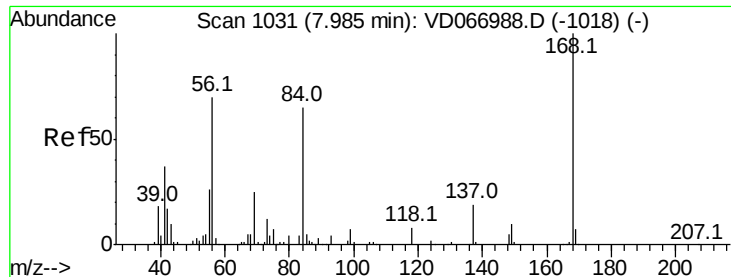
84 100

49 104.2 88.2 132.2

51 26.4 26.6 39.8#

86 66.8 52.1 78.1

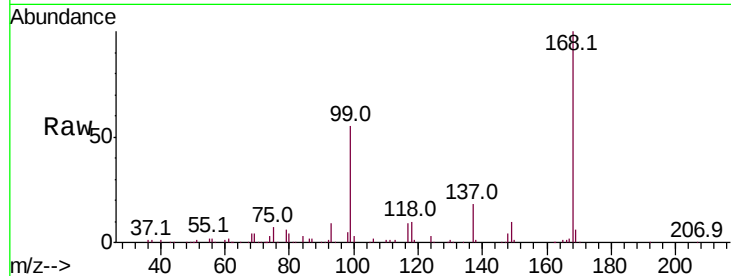




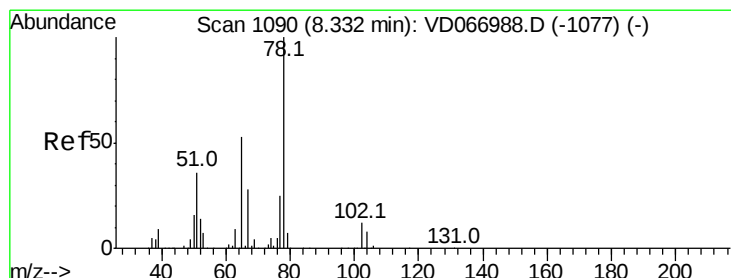
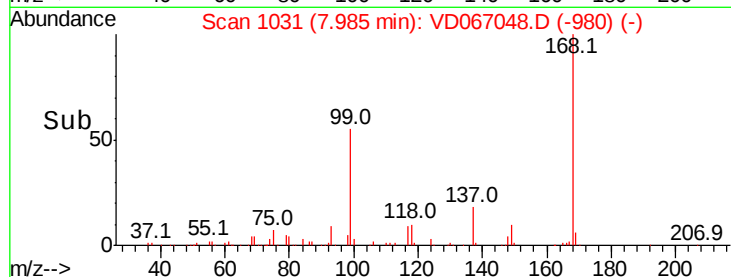
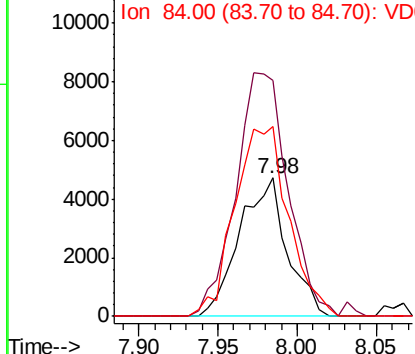
#31
Cyclohexane
Concen: 1.359 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD067048.D
Acq: 02 Oct 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
CL-01-100120

Tot Ion: 56 Resp: 9857
Ion Ratio Lower Upper
56 100
69 170.8 29.0 43.6#
84 137.1 74.2 111.2#

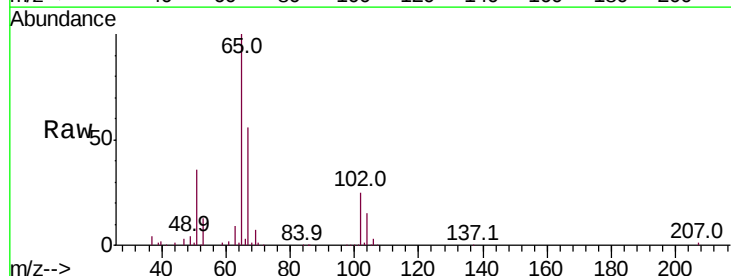


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

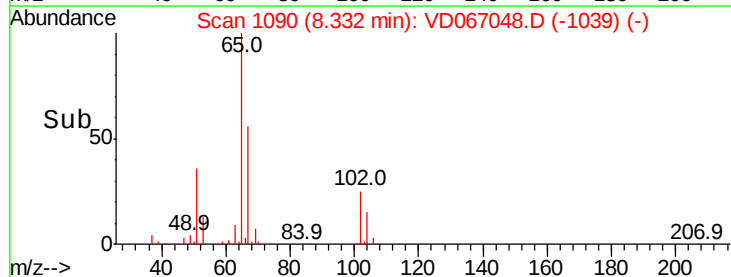
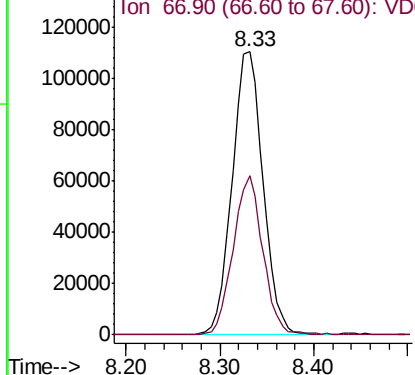


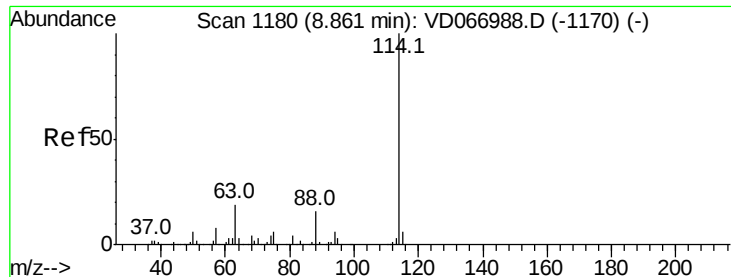
#33
1,2-Dichloroethane-d4
Concen: 52.277 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD067048.D
Acq: 02 Oct 2020 20:59

Tgt Ion: 65 Resp: 252501
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.8



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

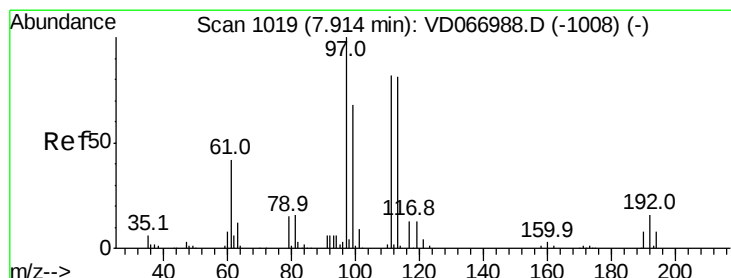
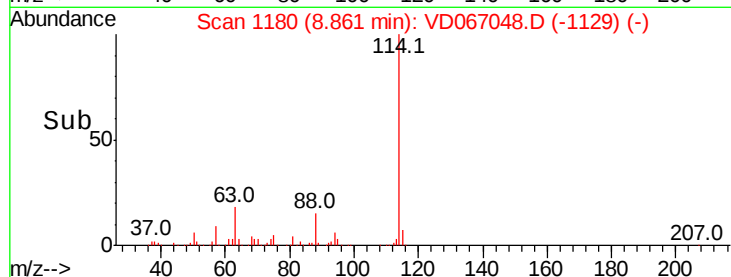
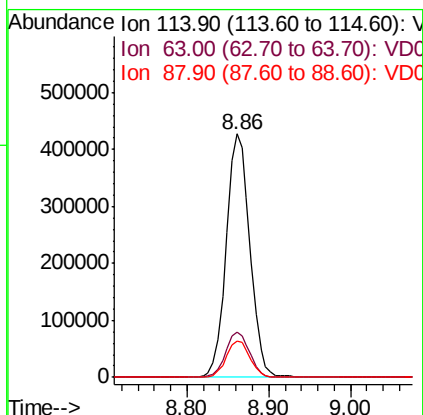
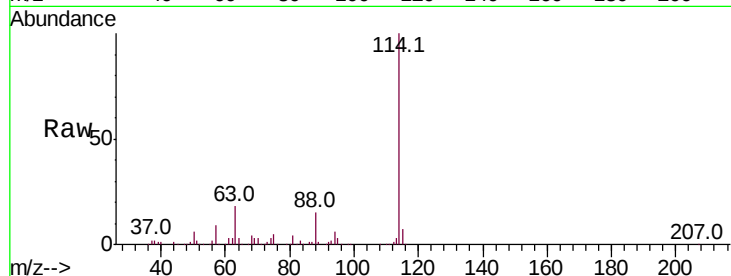




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD067048.D
 Acq: 02 Oct 2020 20:59

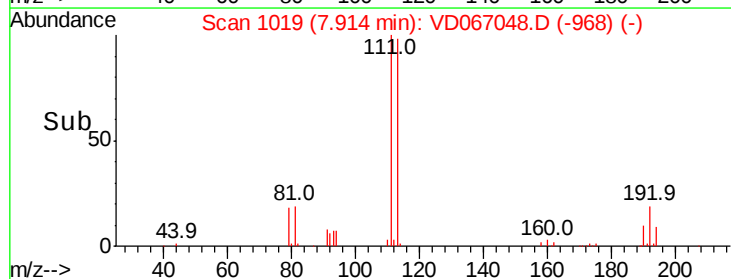
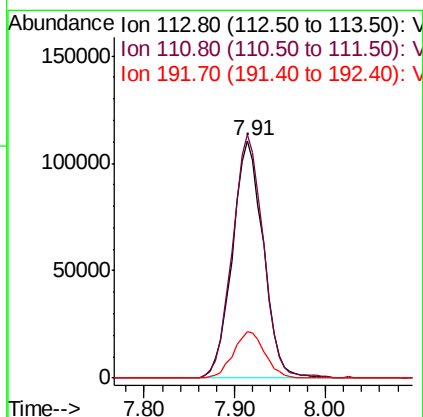
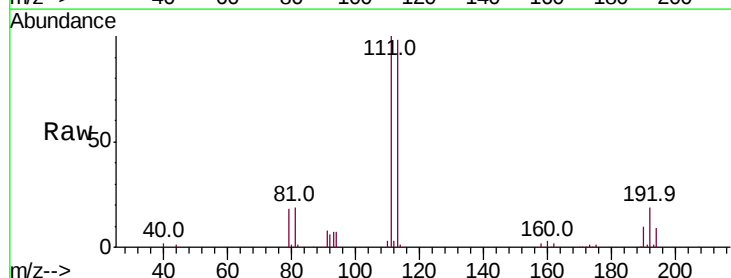
Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-100120

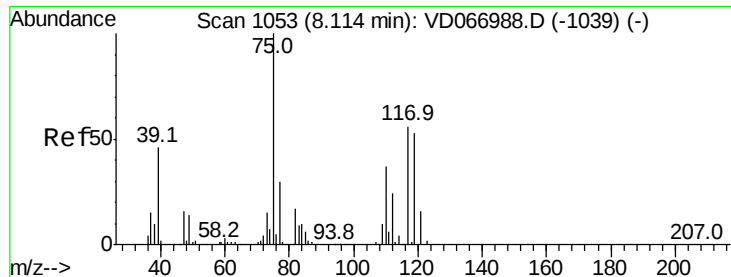
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	38.4
88	15.0	0.0	31.2



#35
 Dibromofluoromethane
 Concen: 46.504 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD067048.D
 Acq: 02 Oct 2020 20:59

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.0	124.4
192	19.9	15.5	23.3





#36

1,1-Dichloropropene

Concen: 4.571 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067048.D

Acq: 02 Oct 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

CL-01-100120

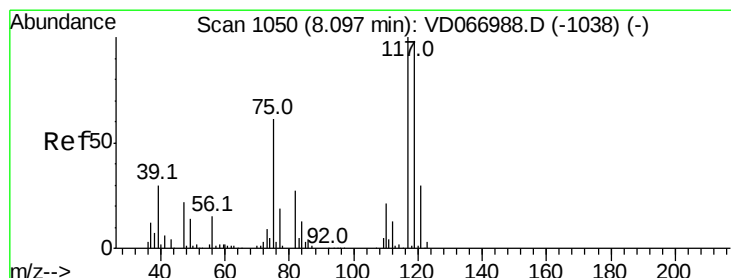
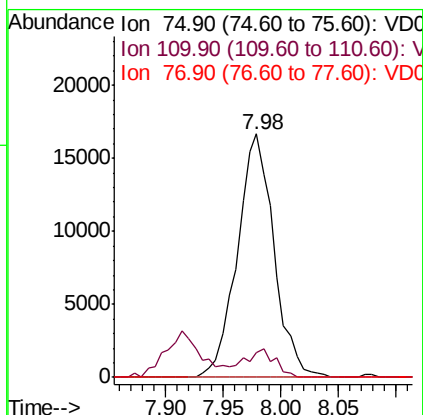
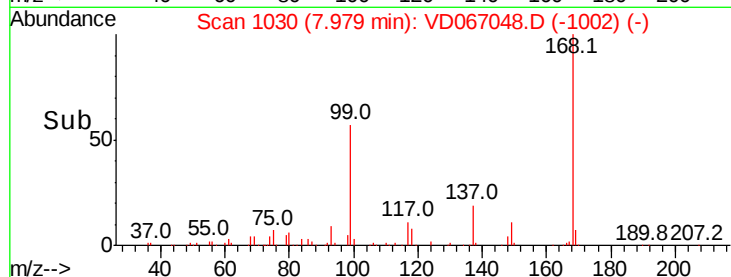
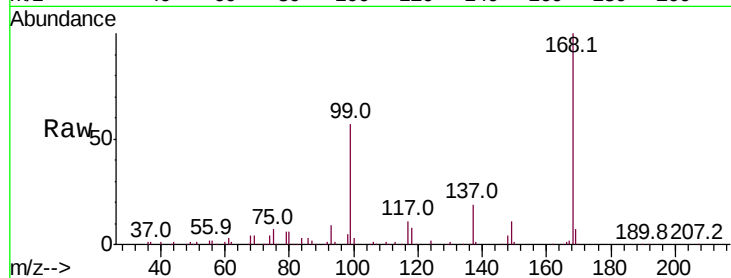
Tot Ion: 75 Resp: 36718

Ion Ratio Lower Upper

75 100

110 9.6 18.4 55.0#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.769 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067048.D

Acq: 02 Oct 2020 20:59

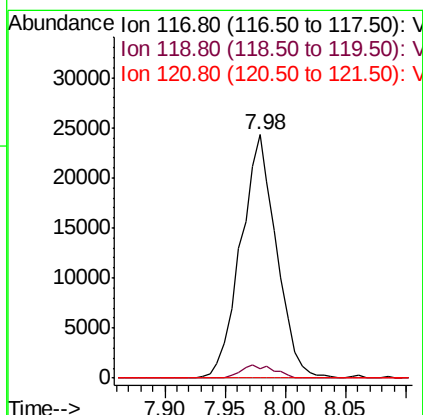
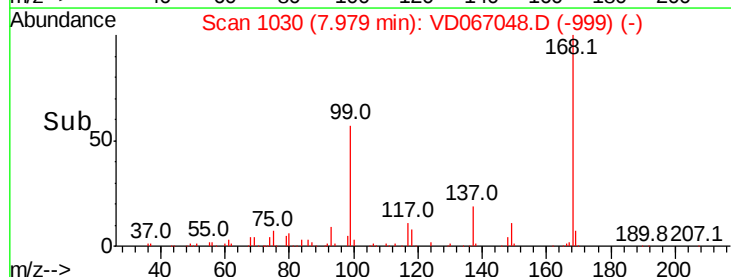
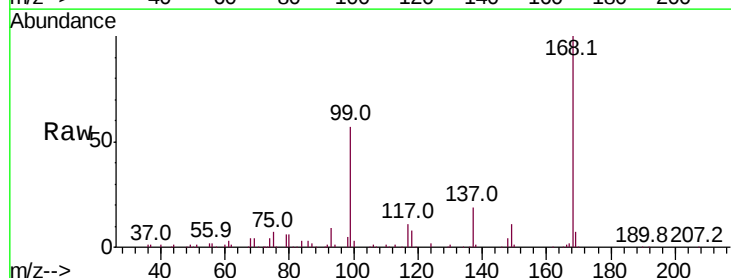
Tgt Ion: 117 Resp: 50139

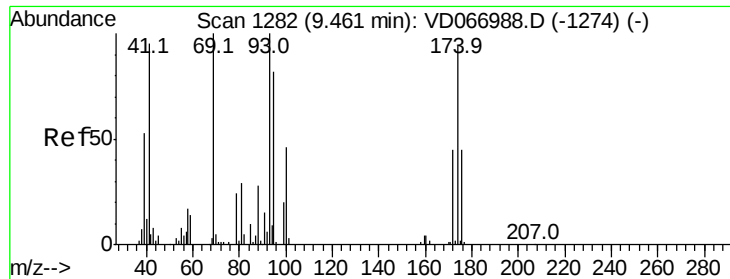
Ion Ratio Lower Upper

117 100

119 4.0 78.7 118.1#

121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 1.972 ug/l

RT: 9.58 min Scan# 1303

Delta R.T. 0.12 min

Lab File: VD067048.D

Acq: 02 Oct 2020 20:59

Instrument :

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ClientSampleId :

CL-01-100120

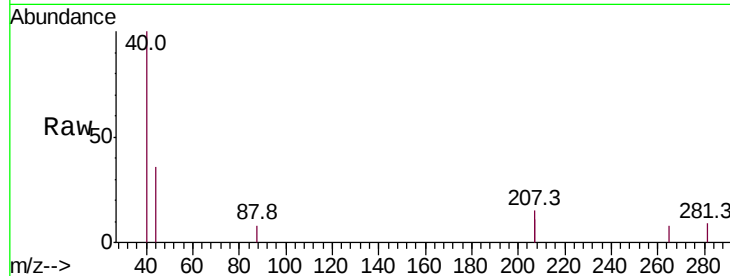
Tot Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

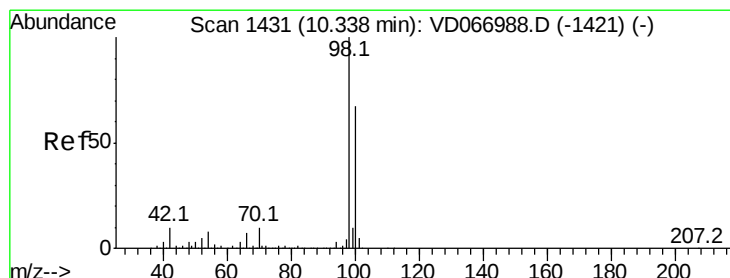
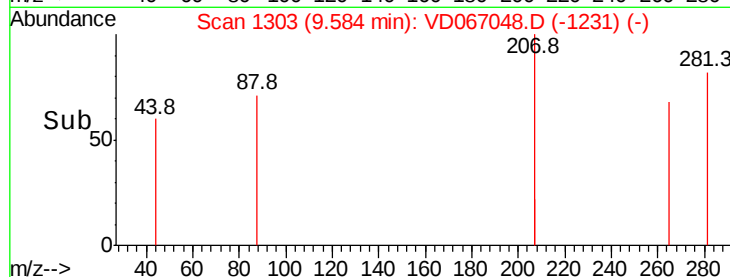
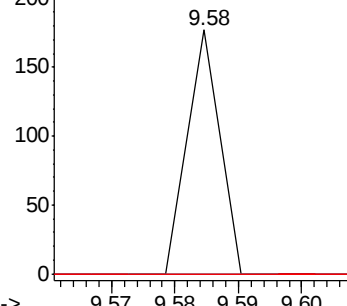
58 0.0 53.5 80.3#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 48.104 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD067048.D

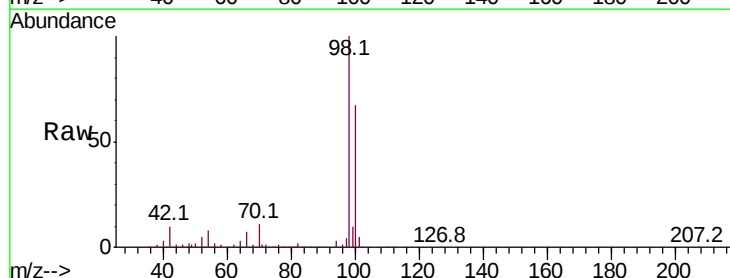
Acq: 02 Oct 2020 20:59

Tgt Ion: 98 Resp: 988977

Ion Ratio Lower Upper

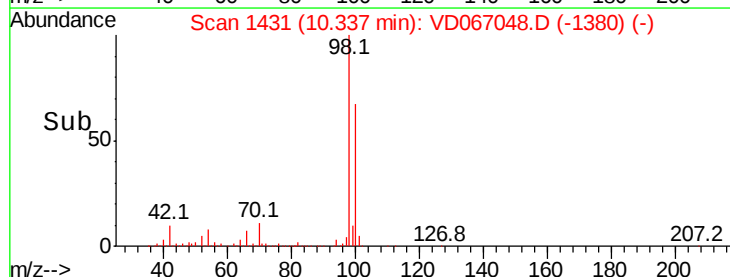
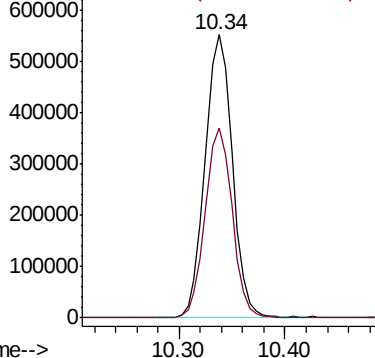
98 100

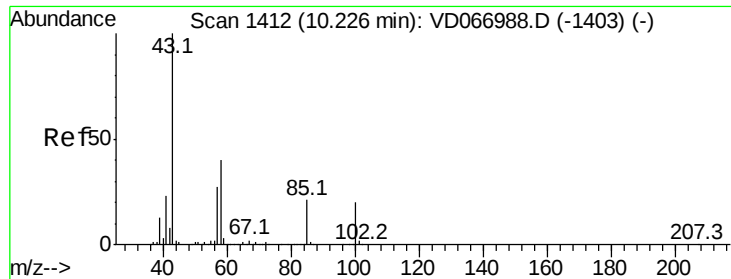
100 66.7 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 1.675 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD067048.D

Acq: 02 Oct 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

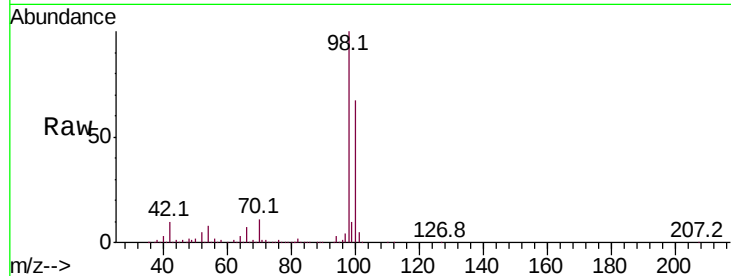
CL-01-100120

Tot Ion: 43 Resp: 4278

Ion Ratio Lower Upper

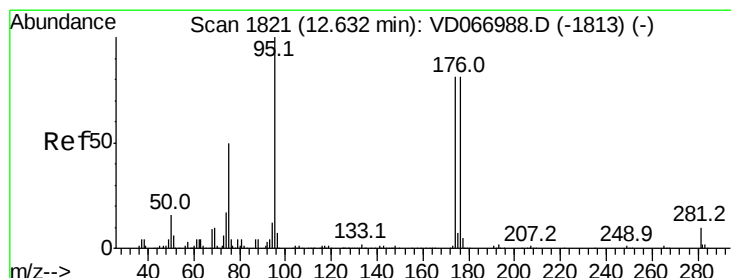
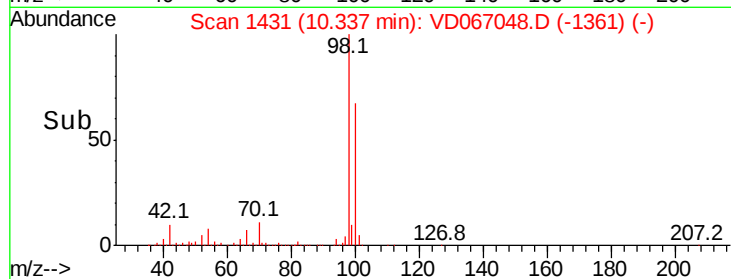
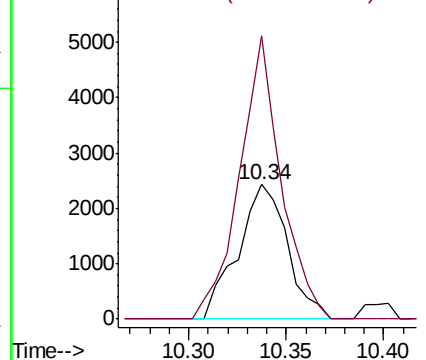
43 100

58 176.3 33.8 50.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 44.445 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD067048.D

Acq: 02 Oct 2020 20:59

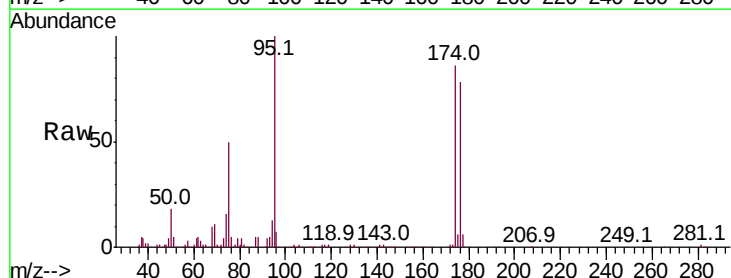
Tgt Ion: 95 Resp: 310195

Ion Ratio Lower Upper

95 100

174 83.2 0.0 167.6

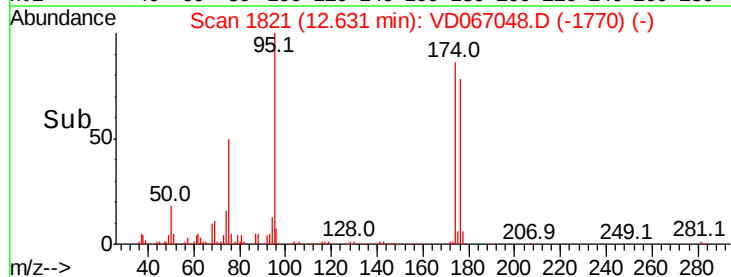
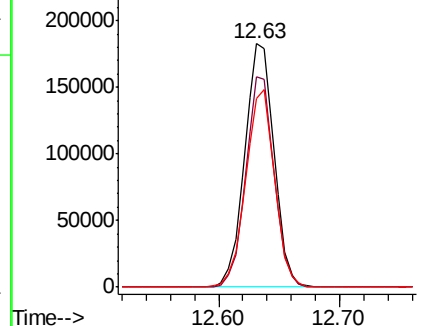
176 79.5 0.0 162.4

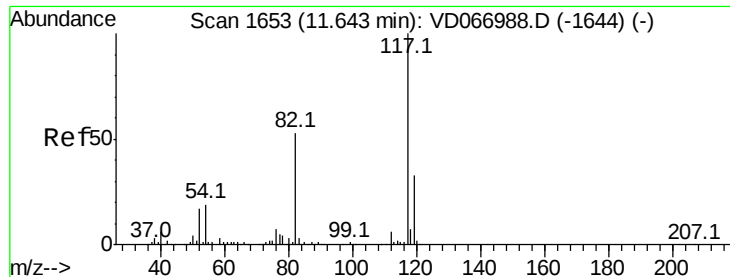


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

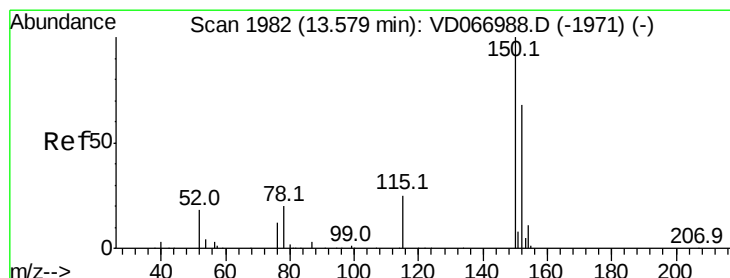
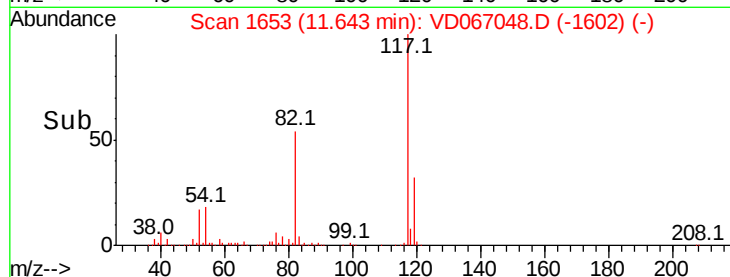
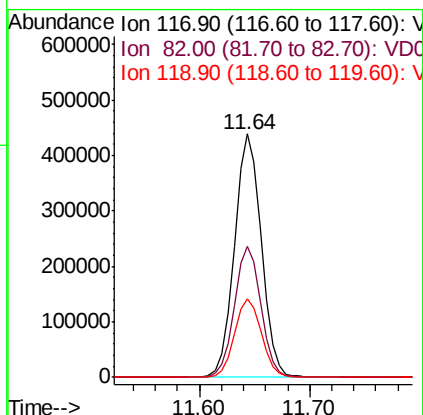
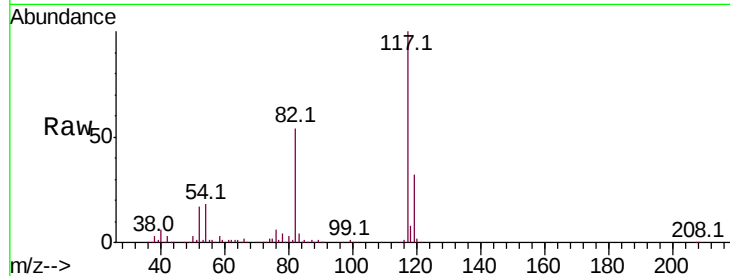




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD067048.D
Acq: 02 Oct 2020 20:59

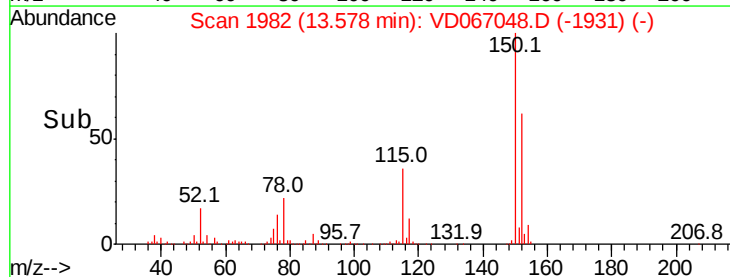
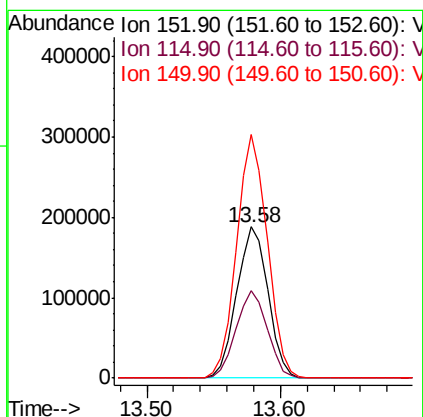
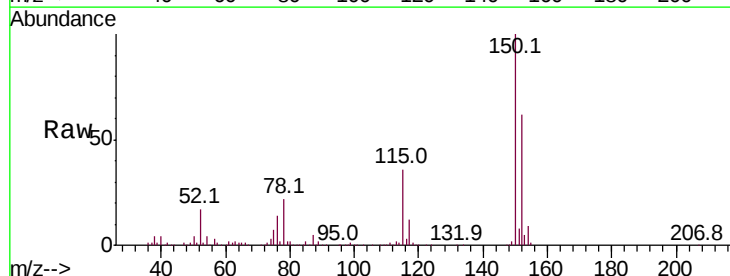
Instrument :
MSVOA_D
ClientSampleId :
CL-01-100120

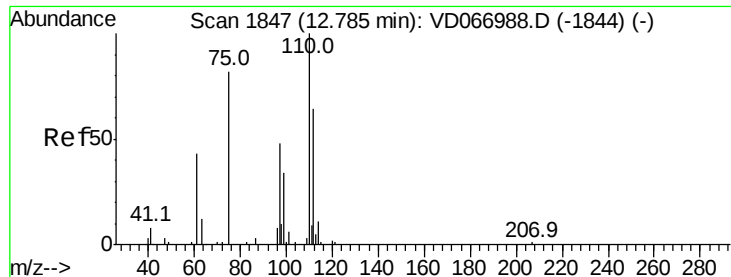
Tot Ion:117 Resp: 751233
Ion Ratio Lower Upper
117 100
82 53.8 42.6 63.8
119 32.4 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD067048.D
Acq: 02 Oct 2020 20:59

Tgt Ion:152 Resp: 305088
Ion Ratio Lower Upper
152 100
115 57.7 29.6 88.8
150 157.9 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 56.957 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067048.D

Acq: 02 Oct 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

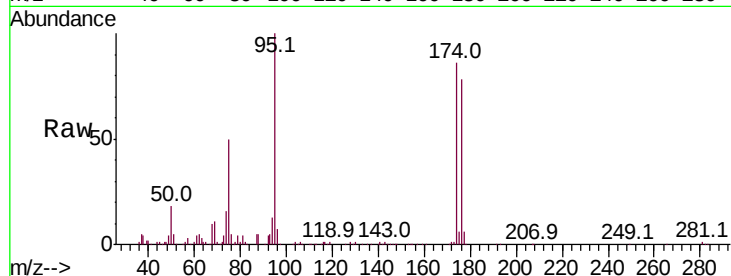
CL-01-100120

Tot Ion: 75 Resp: 151359

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.63

100000

80000

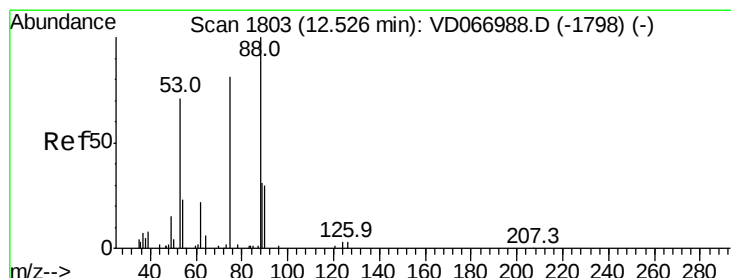
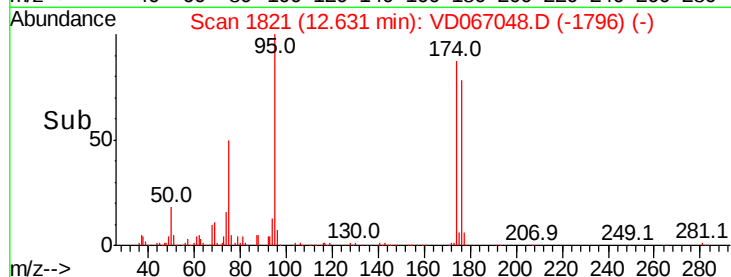
60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 142.001 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD067048.D

Acq: 02 Oct 2020 20:59

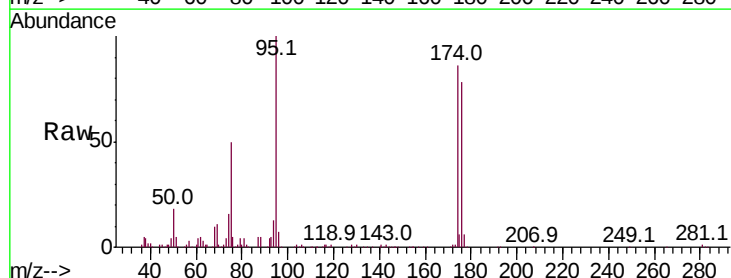
Tgt Ion: 75 Resp: 151359

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 38.9 58.3#



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

12.63

120000

100000

80000

60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70

