

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100820\
 Data File : VD067190.D
 Acq On : 08 Oct 2020 13:14
 Operator : VA/SY
 Sample : L4313-01
 Misc : 6.78G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DISP-1

Quant Time: Oct 08 18:58:16 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	388315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	614059	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	574090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	275530	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	186395	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
35) Dibromofluoromethane	7.92	113	197618	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
50) Toluene-d8	10.34	98	719539	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
62) 4-Bromofluorobenzene	12.64	95	250093	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	

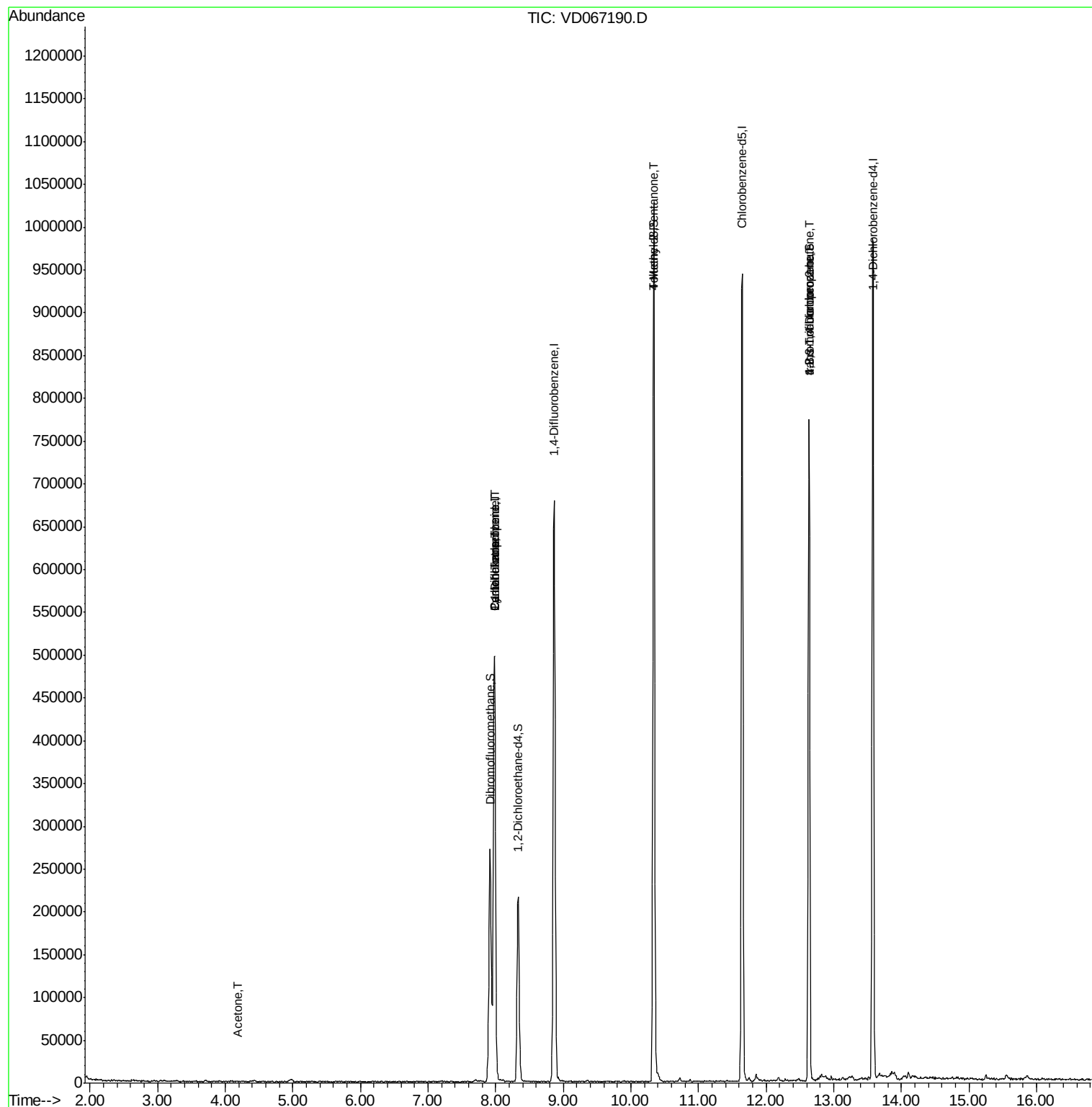
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	451	Below Cal	#	40
5) Bromomethane	2.78	94	245	Below Cal	#	21
16) Acetone	4.17	43	574	1.005	ug/l #	42
20) Methylene Chloride	4.97	84	2974	Below Cal	#	61
26) 2,2-Dichloropropane	7.21	77	268	Below Cal	#	53
31) Cyclohexane	7.98	56	7851	1.398	ug/l #	15
36) 1,1-Dichloropropene	7.98	75	26263	4.588	ug/l #	50
38) Carbon Tetrachloride	7.98	117	39148	6.321	ug/l #	14
51) 4-Methyl-2-Pentanone	10.34	43	2884	1.585	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	127834	53.265	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	127834	132.797	ug/l #	12

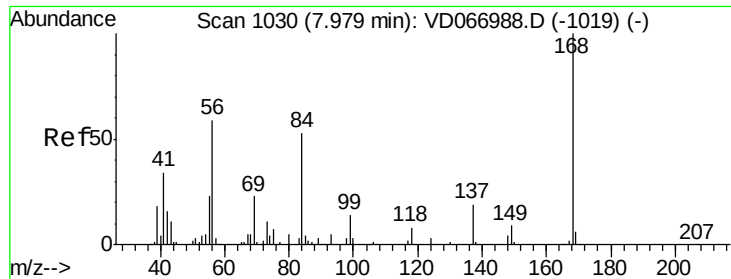
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD100820\
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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: VD067190.D

Acq: 08 Oct 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

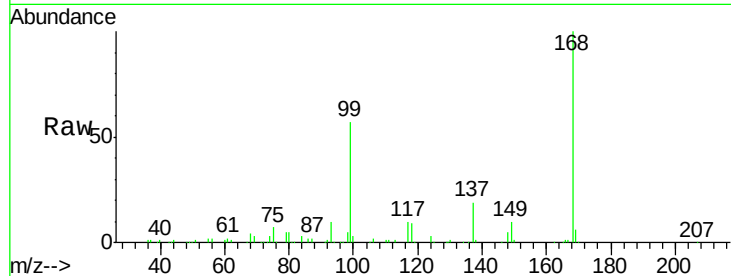
DISP-1

Tgt Ion:168 Resp: 388315

Ion Ratio Lower Upper

168 100

99 56.6 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

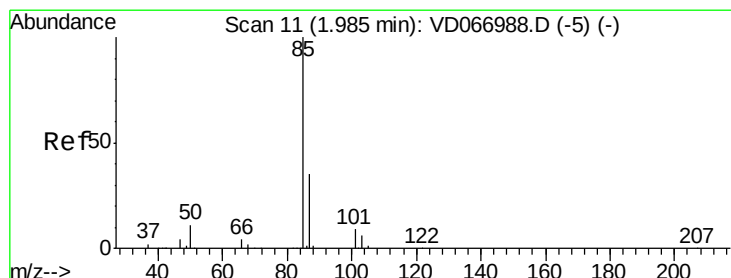
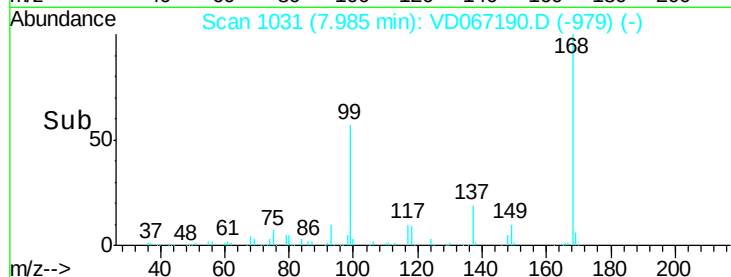
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067190.D

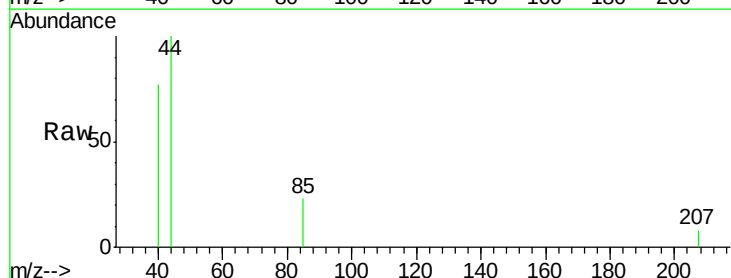
Acq: 08 Oct 2020 13:14

Tgt Ion: 85 Resp: 451

Ion Ratio Lower Upper

85 100

87 0.0 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

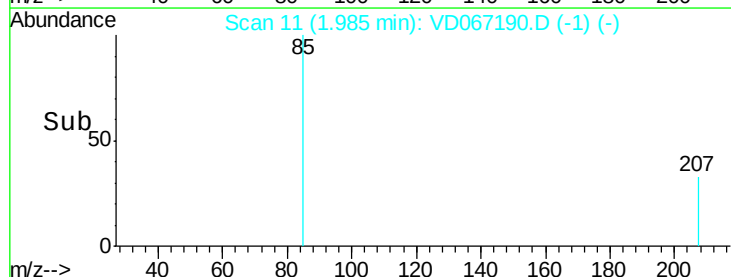
600

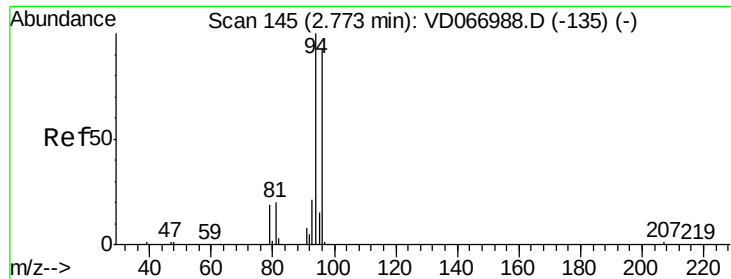
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067190.D

Acq: 08 Oct 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

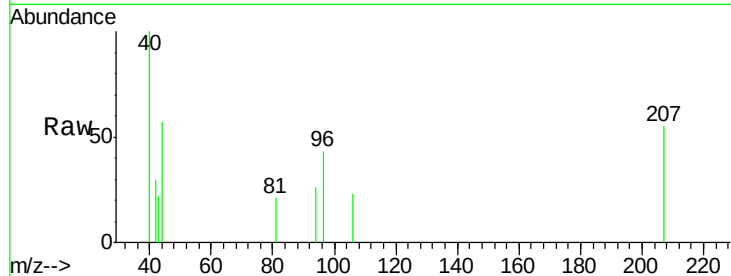
DISP-1

Tgt Ion: 94 Resp: 245

Ion Ratio Lower Upper

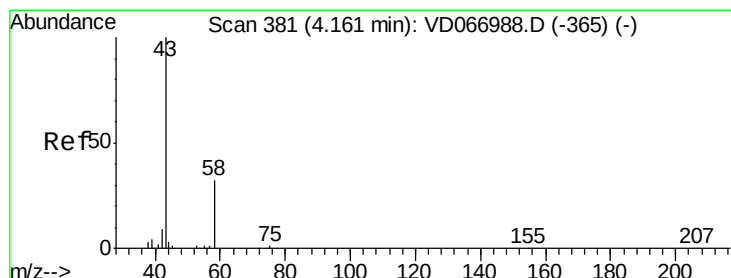
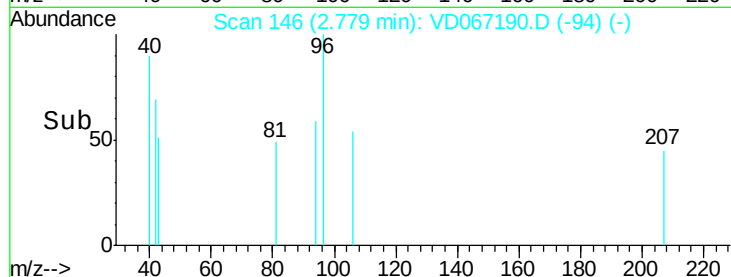
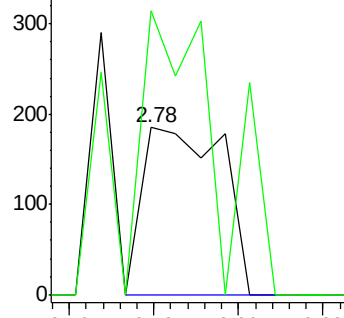
94 100

96 169.7 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: 1.005 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD067190.D

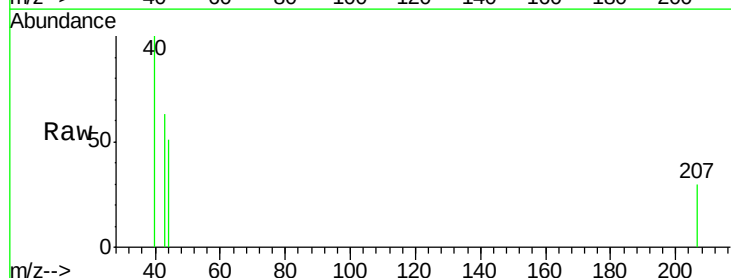
Acq: 08 Oct 2020 13:14

Tgt Ion: 43 Resp: 574

Ion Ratio Lower Upper

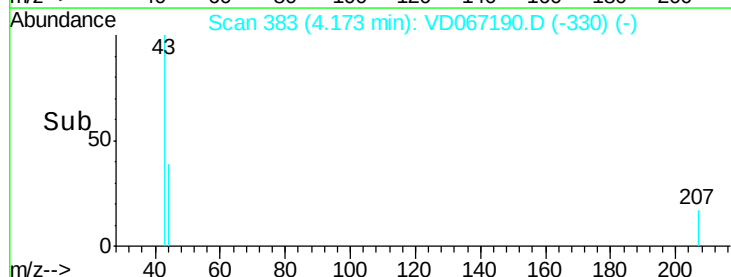
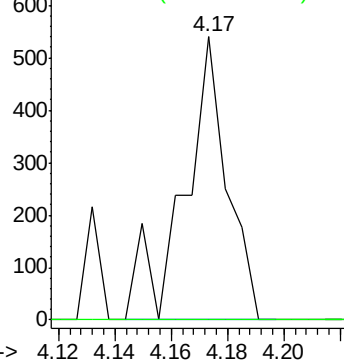
43 100

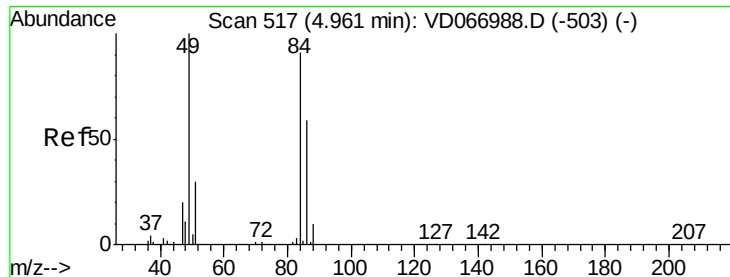
58 0.0 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

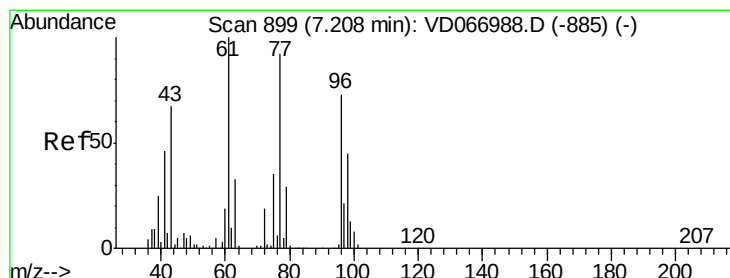
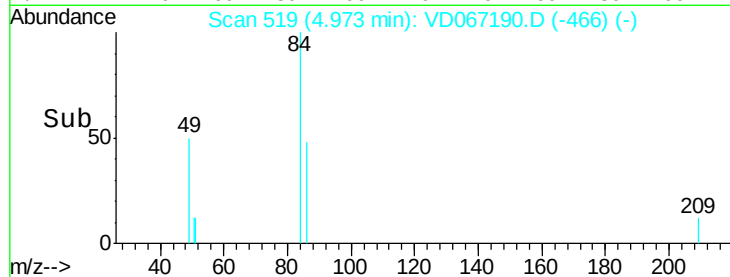
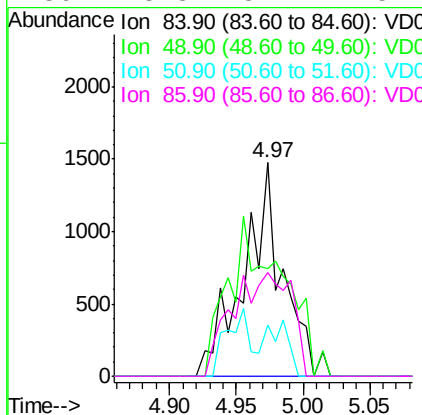
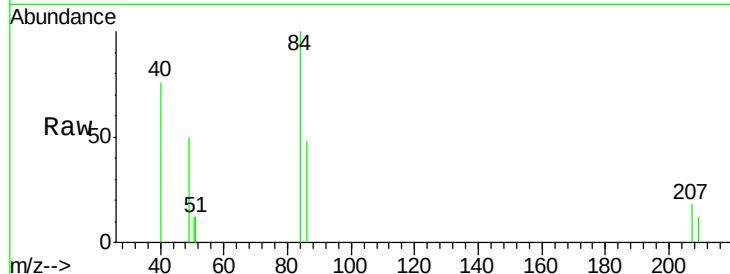




#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067190.D
Acq: 08 Oct 2020 13:14

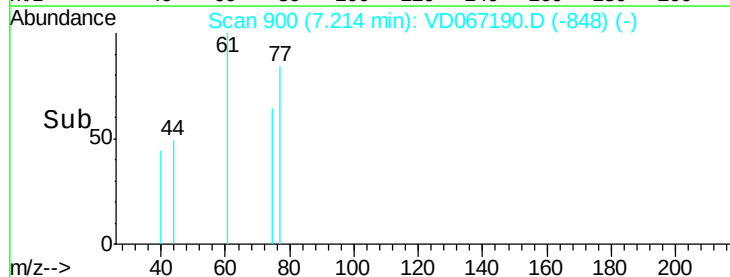
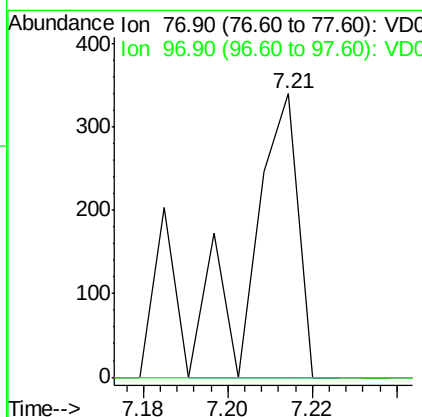
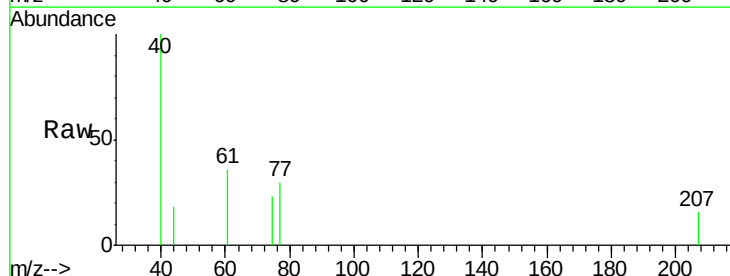
Instrument :
MSVOA_D
ClientSampleId :
DISP-1

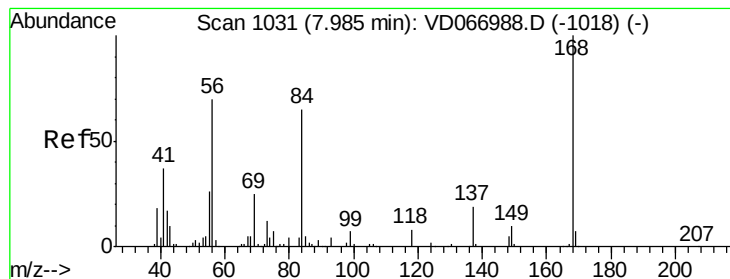
Tgt Ion: 84 Resp: 2974
Ion Ratio Lower Upper
84 100
49 50.2 88.2 132.2#
51 24.3 26.6 39.8#
86 48.3 52.1 78.1#



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067190.D
Acq: 08 Oct 2020 13:14

Tgt Ion: 77 Resp: 268
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#





#31

Cyclohexane

Concen: 1.398 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067190.D

Acq: 08 Oct 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

DISP-1

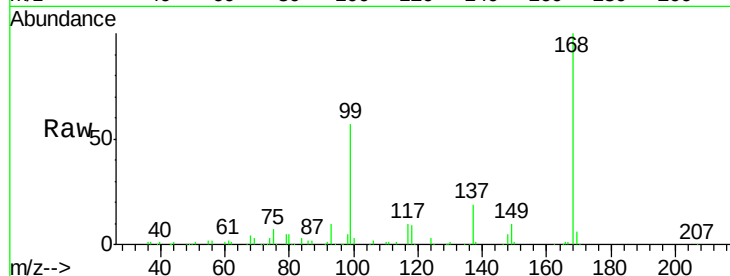
Tgt Ion: 56 Resp: 7851

Ion Ratio Lower Upper

56 100

69 125.3 29.0 43.6#

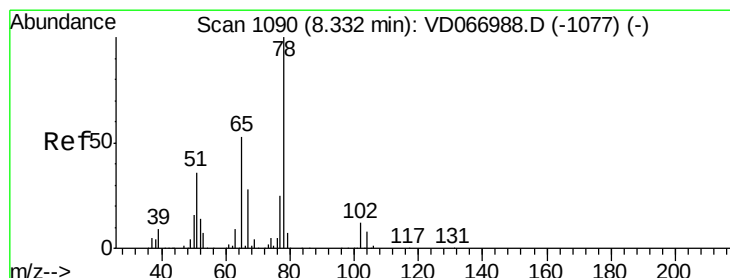
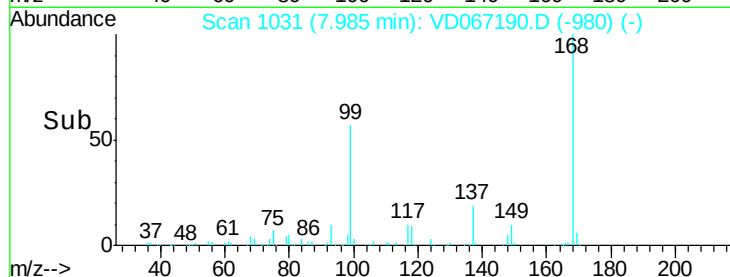
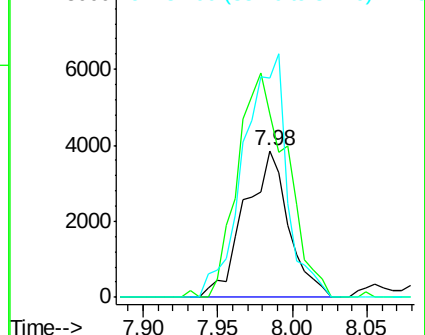
84 149.6 74.2 111.2#



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: 49.835 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067190.D

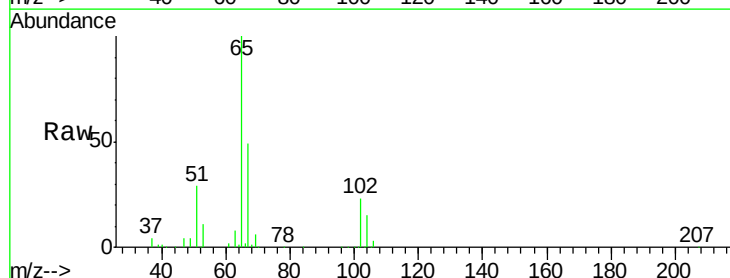
Acq: 08 Oct 2020 13:14

Tgt Ion: 65 Resp: 186395

Ion Ratio Lower Upper

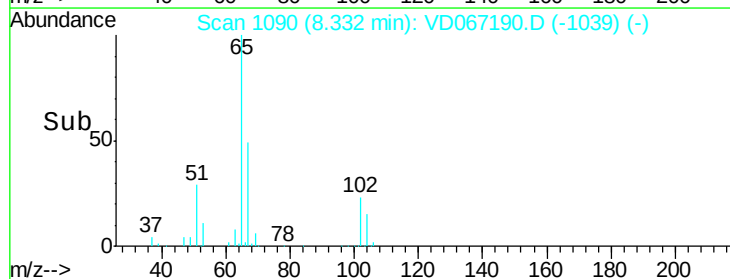
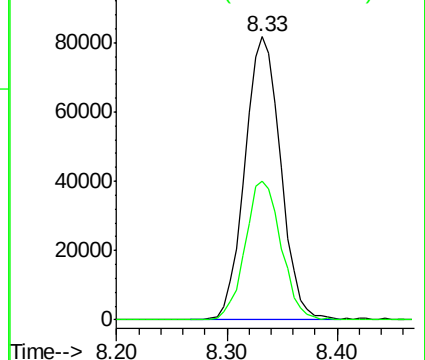
65 100

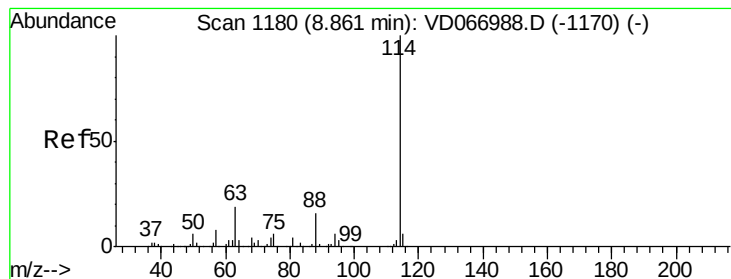
67 49.2 0.0 106.8



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: 8.87 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD067190.D

Acq: 08 Oct 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

DISP-1

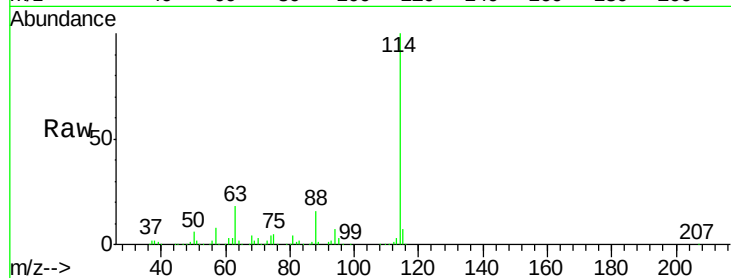
Tgt Ion:114 Resp: 614059

Ion Ratio Lower Upper

114 100

63 17.8 0.0 38.4

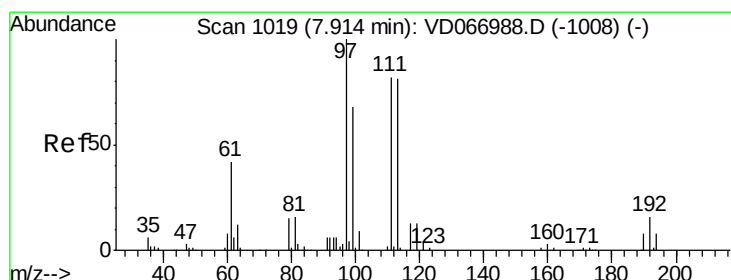
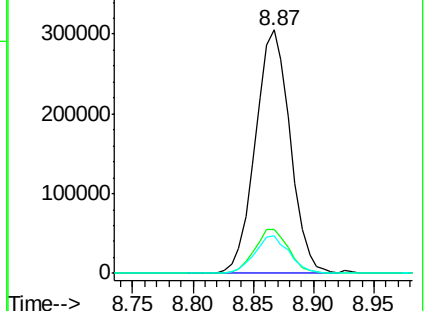
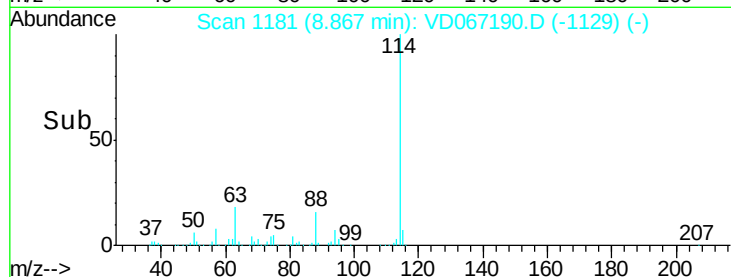
88 15.5 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 49.157 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067190.D

Acq: 08 Oct 2020 13:14

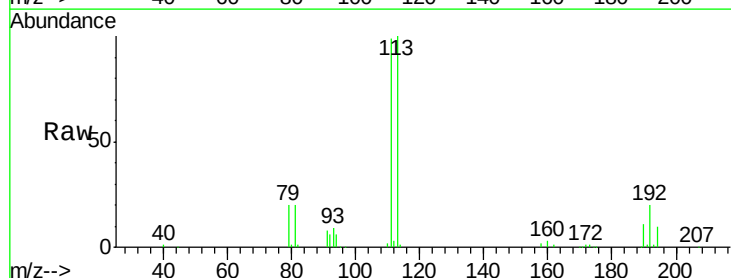
Tgt Ion:113 Resp: 197618

Ion Ratio Lower Upper

113 100

111 100.0 83.0 124.4

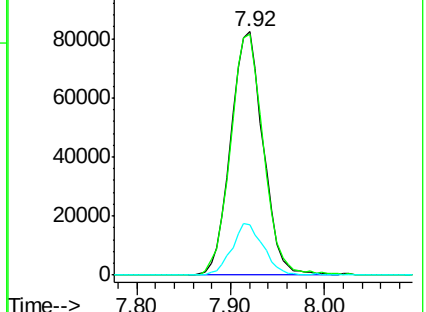
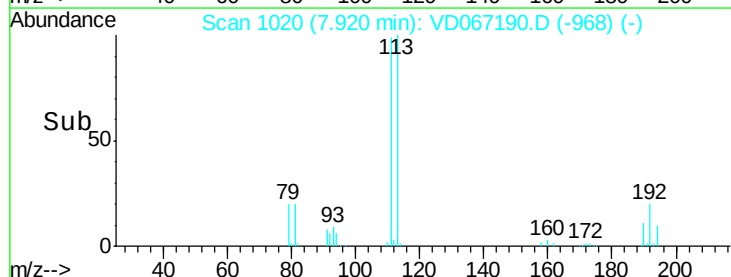
192 20.3 15.5 23.3

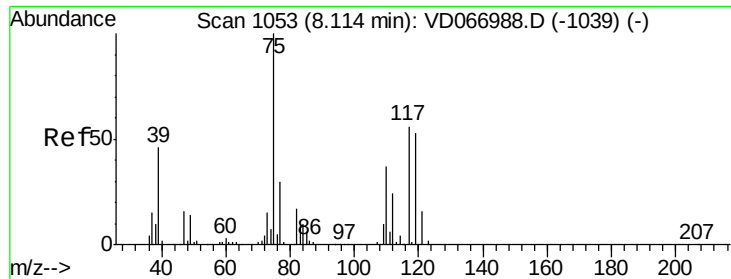


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

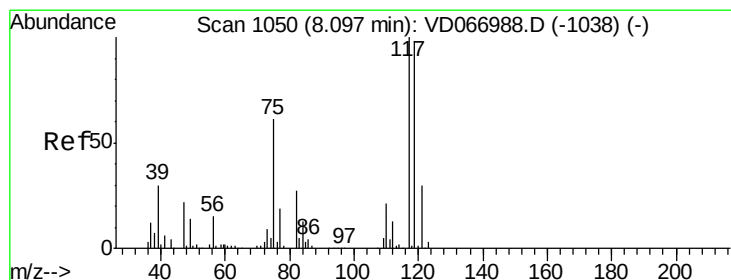
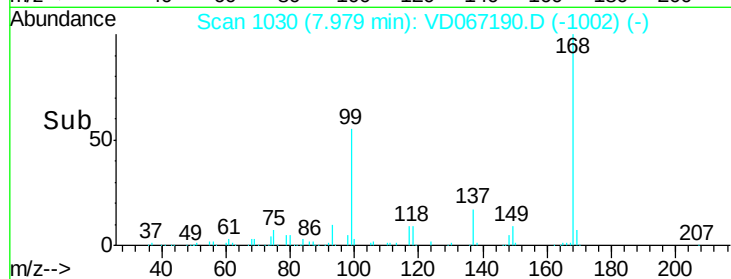
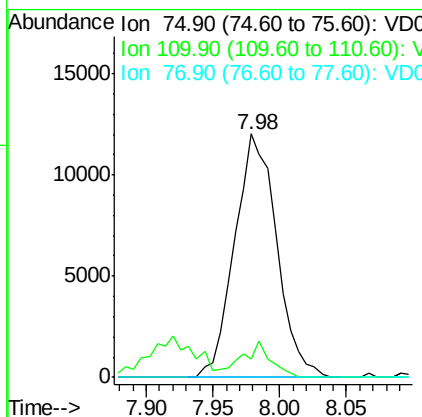
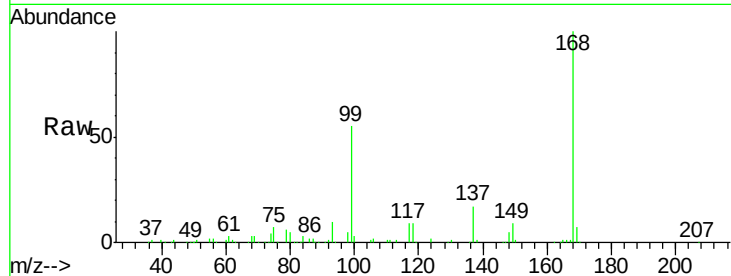




#36
 1,1-Dichloropropene
 Concen: 4.588 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067190.D
 Acq: 08 Oct 2020 13:14

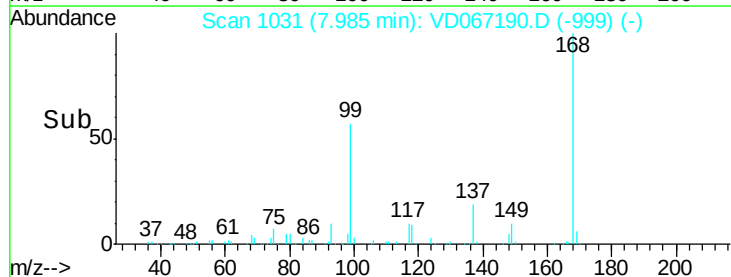
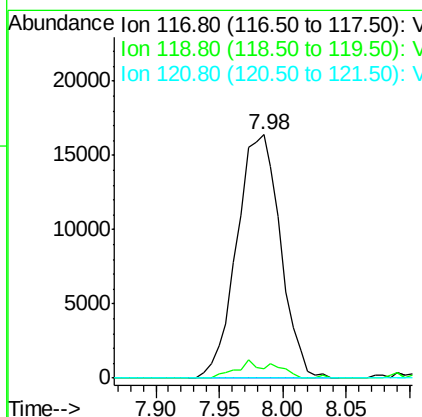
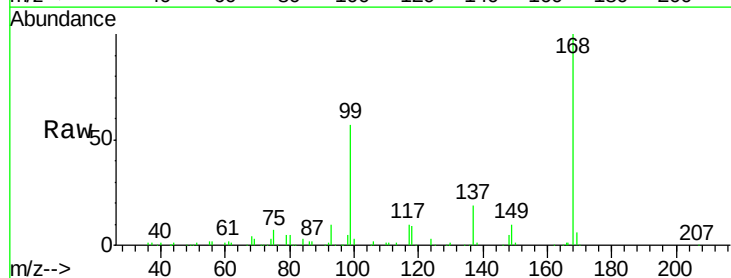
Instrument :
 MSVOA_D
 ClientSampleId :
 DISP-1

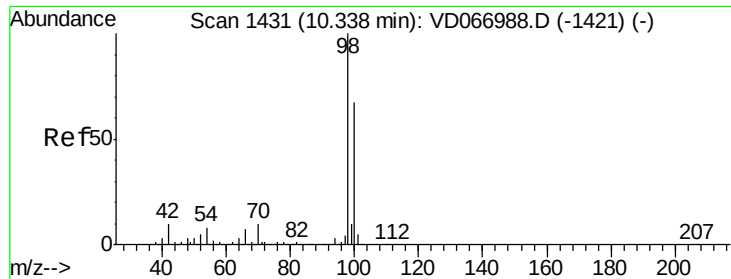
Tgt Ion: 75 Resp: 26263
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.4 55.0#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.321 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD067190.D
 Acq: 08 Oct 2020 13:14

Tgt Ion: 117 Resp: 39148
 Ion Ratio Lower Upper
 117 100
 119 3.8 78.7 118.1#
 121 0.0 24.2 36.2#

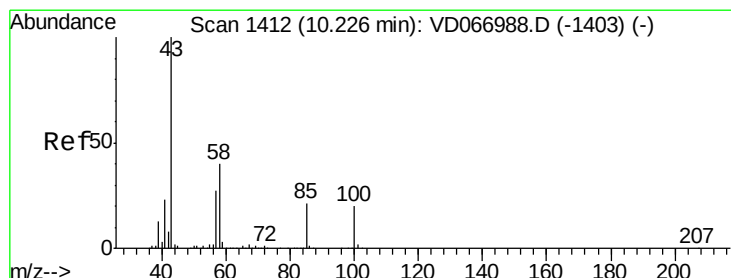
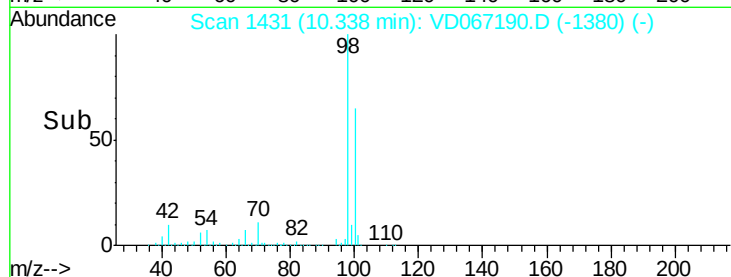
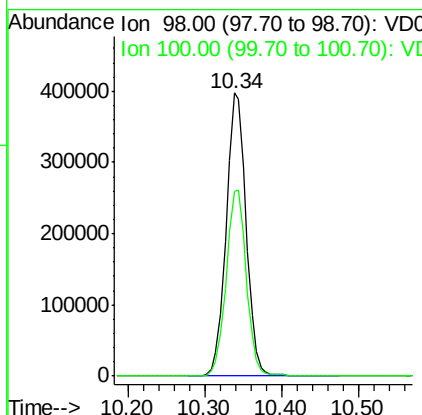
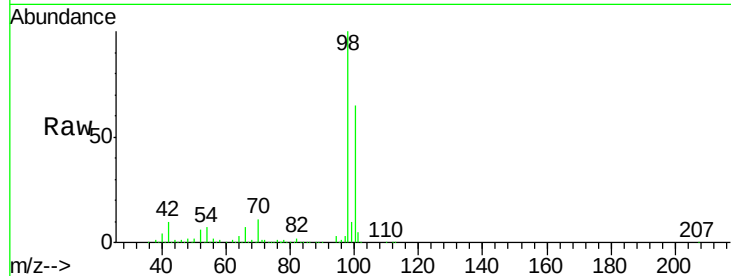




#50
Toluene-d8
Concen: 49.119 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067190.D
Acq: 08 Oct 2020 13:14

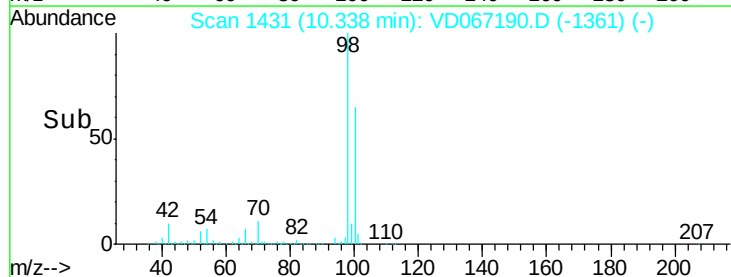
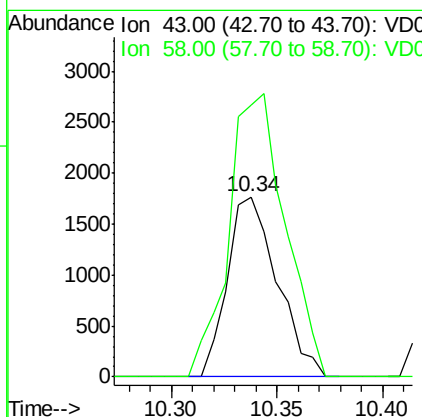
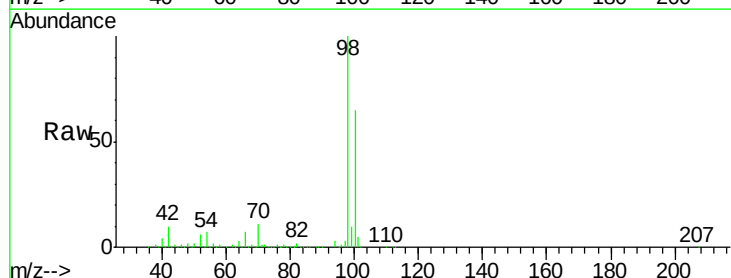
Instrument :
MSVOA_D
ClientSampleId :
DISP-1

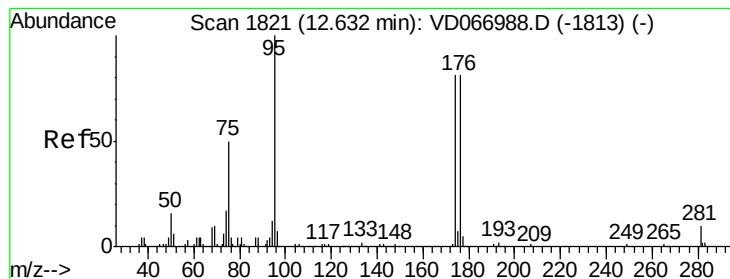
Tgt Ion: 98 Resp: 719539
Ion Ratio Lower Upper
98 100
100 66.3 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.585 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD067190.D
Acq: 08 Oct 2020 13:14

Tgt Ion: 43 Resp: 2884
Ion Ratio Lower Upper
43 100
58 178.0 33.8 50.8#





#62

4-Bromofluorobenzene

Concen: 50.291 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067190.D

Acq: 08 Oct 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

DISP-1

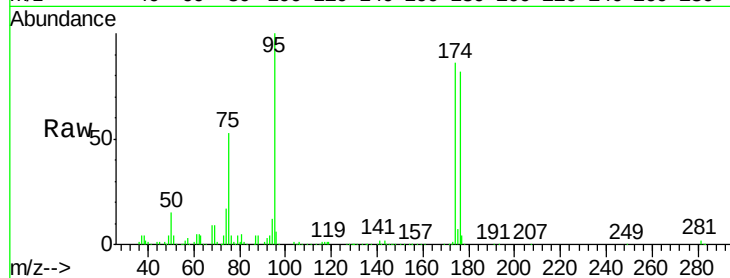
Tgt Ion: 95 Resp: 250093

Ion Ratio Lower Upper

95 100

174 86.1 0.0 167.6

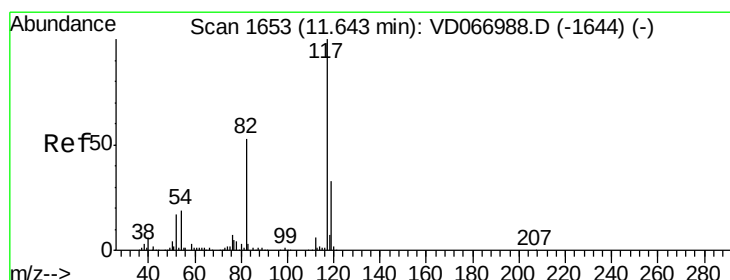
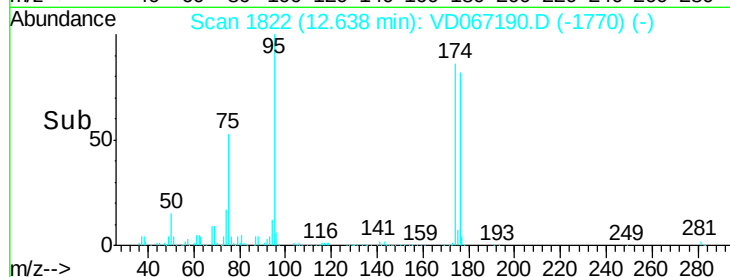
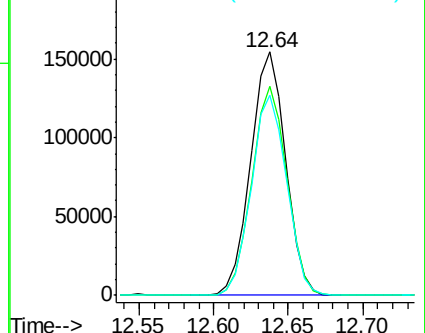
176 83.0 0.0 162.4



Abundance Ion 94.90 (94.60 to 95.60): V

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. 0.01 min

Lab File: VD067190.D

Acq: 08 Oct 2020 13:14

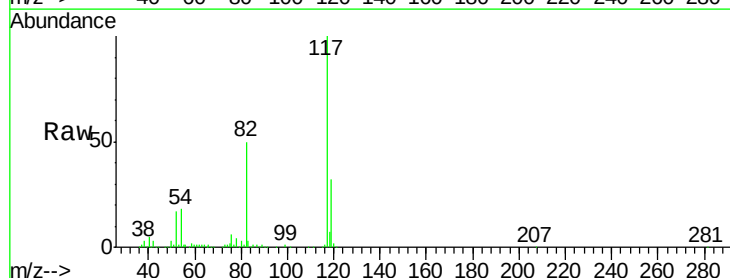
Tgt Ion: 117 Resp: 574090

Ion Ratio Lower Upper

117 100

82 50.3 42.6 63.8

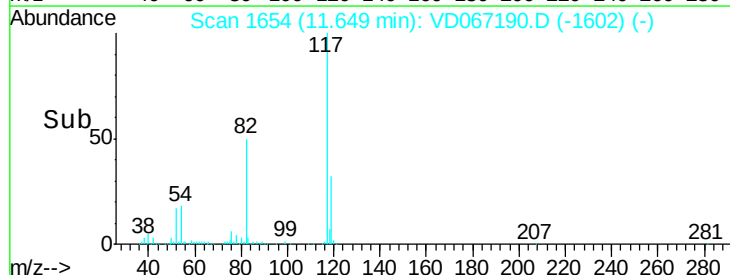
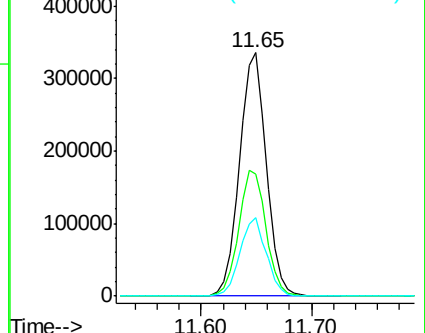
119 32.1 26.3 39.5

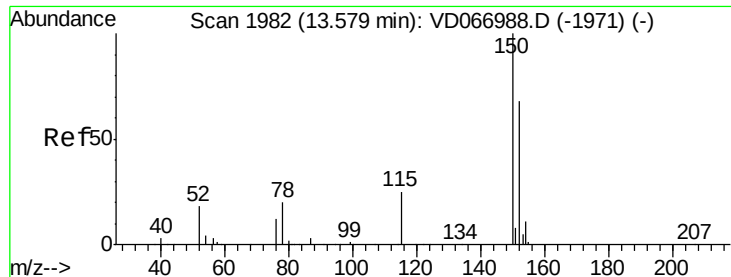


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD067190.D

Acq: 08 Oct 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

DISP-1

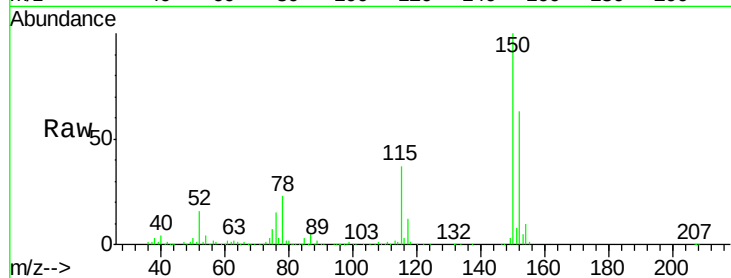
Tgt Ion:152 Resp: 275530

Ion Ratio Lower Upper

152 100

115 59.6 29.6 88.8

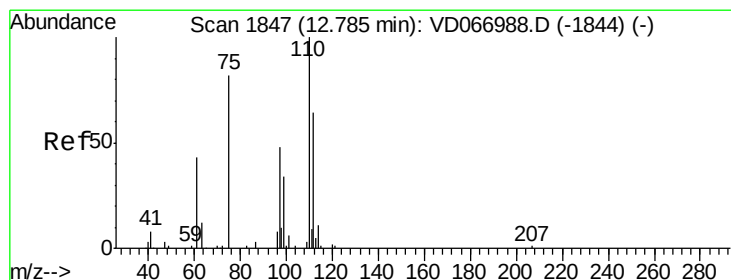
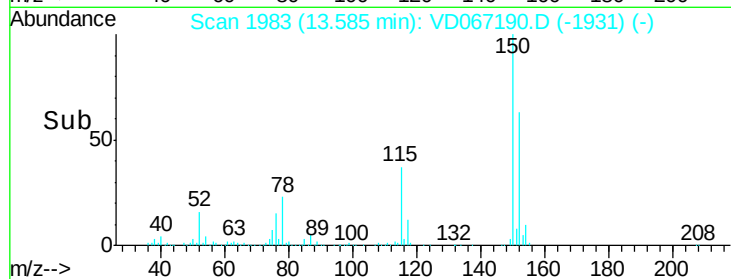
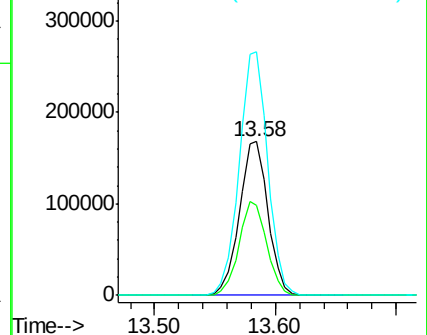
150 158.9 0.0 344.8



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: 53.265 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067190.D

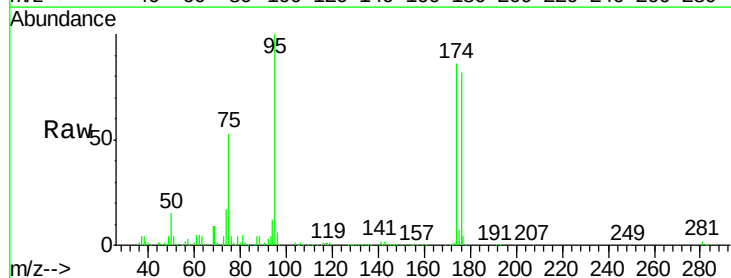
Acq: 08 Oct 2020 13:14

Tgt Ion: 75 Resp: 127834

Ion Ratio Lower Upper

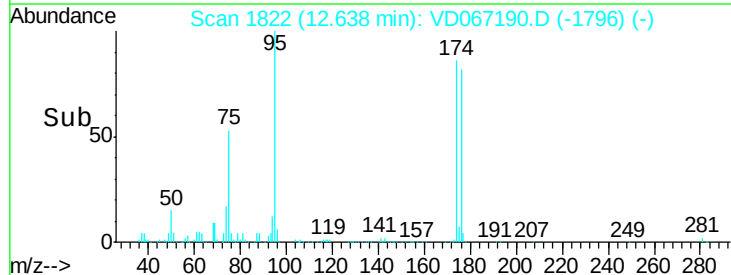
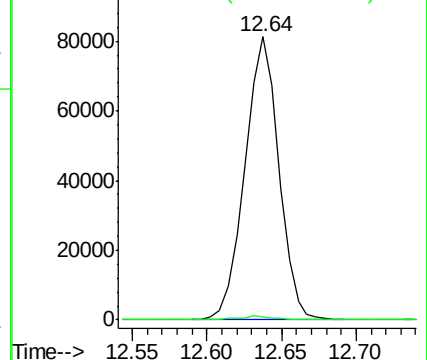
75 100

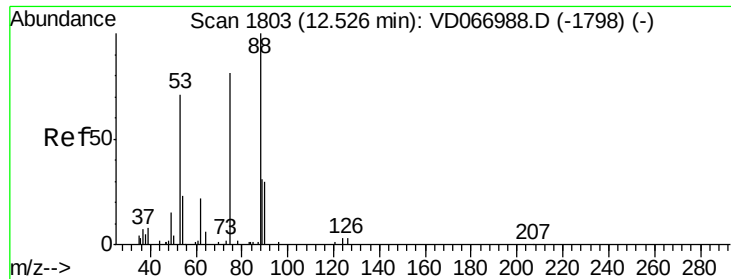
77 1.5 0.0 0.0#



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: 132.797 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067190.D

Acq: 08 Oct 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

DISP-1

Tgt Ion: 75 Resp: 127834

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.1 38.9 58.3#

