

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100920\
 Data File : VD067212.D
 Acq On : 09 Oct 2020 15:28
 Operator : VA/SY
 Sample : L4342-10
 Misc : 6.79G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BACKFILL OFFSITE-4-SO-5

Quant Time: Oct 09 23:46:42 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	372661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	585080	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	548331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	259265	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	184644	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	
35) Dibromofluoromethane	7.92	113	190338	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
50) Toluene-d8	10.34	98	682794	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
62) 4-Bromofluorobenzene	12.64	95	228469	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	

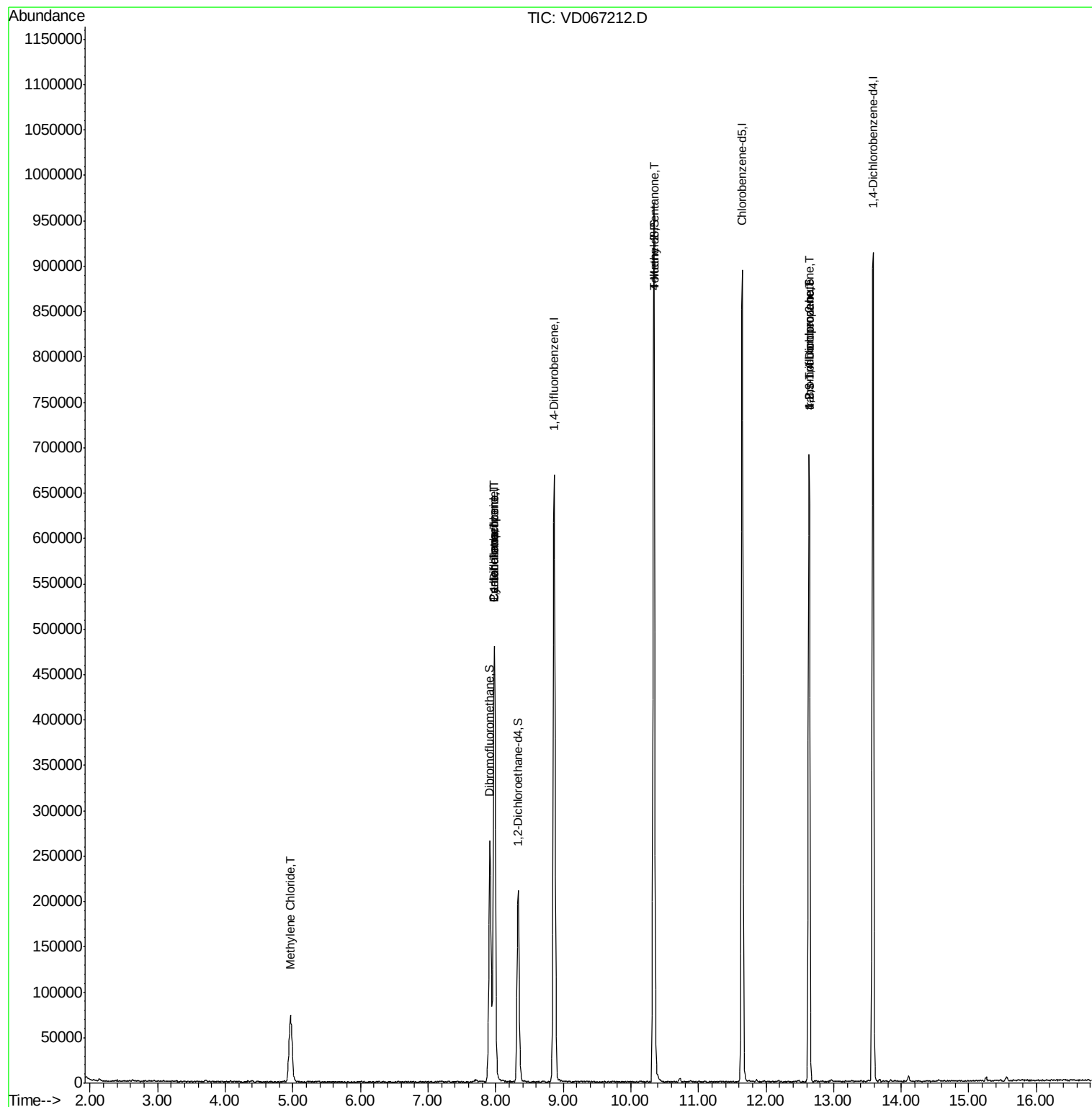
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	478	Below Cal	#	40
5) Bromomethane	2.78	94	225	Below Cal		90
20) Methylene Chloride	4.97	84	64307	10.841	ug/l	92
26) 2,2-Dichloropropane	7.23	77	58	Below Cal	#	53
31) Cyclohexane	7.98	56	7371	1.367	ug/l #	36
36) 1,1-Dichloropropene	7.98	75	26084	4.783	ug/l #	52
38) Carbon Tetrachloride	7.98	117	38580	6.538	ug/l #	15
51) 4-Methyl-2-Pentanone	10.34	43	2478	1.429	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	116723	51.687	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	116723	128.861	ug/l #	12

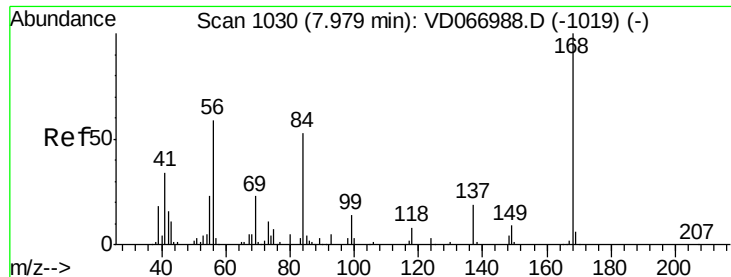
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100920\
Data File : VD067212.D
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Misc : 6.79G/5.00ml/MSVOA D/SOIL
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BACKFILL OFFSITE-4-SO-5

Quant Time: Oct 09 23:46:42 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
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: VD067212.D

Acq: 09 Oct 2020 15:28

Instrument :

MSVOA_D

ClientSampleId :

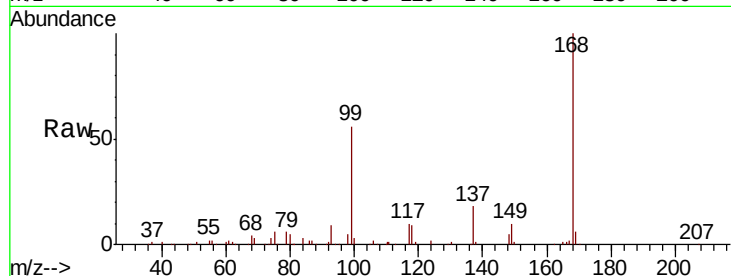
BACKFILL OFFSITE-4-SO-5

Tot Ion: 168 Resp: 372661

Ion Ratio Lower Upper

168 100

99 55.9 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

150000

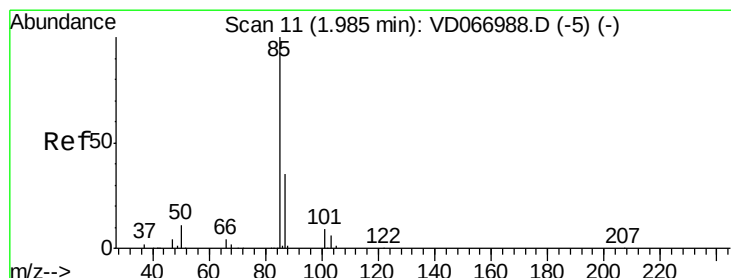
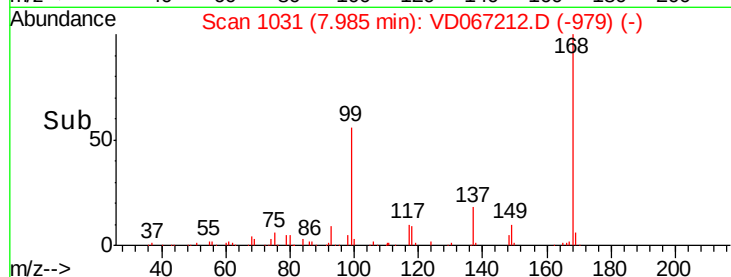
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067212.D

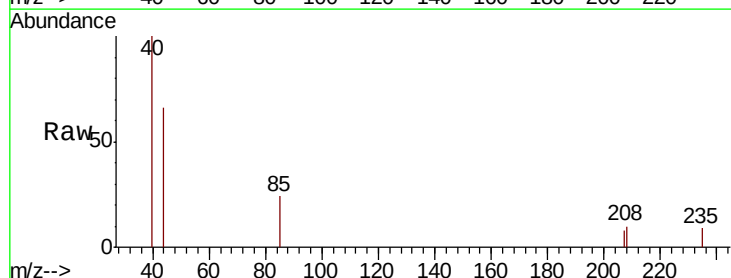
Acq: 09 Oct 2020 15:28

Tgt Ion: 85 Resp: 478

Ion Ratio Lower Upper

85 100

87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

1.99

500

400

300

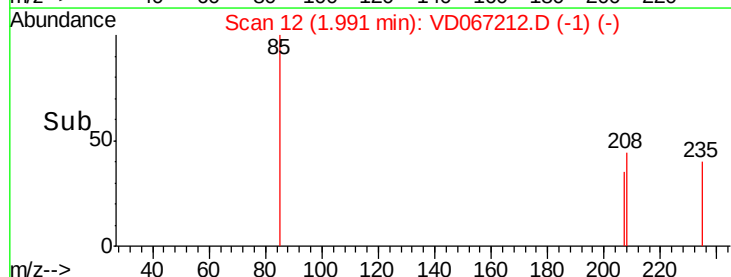
200

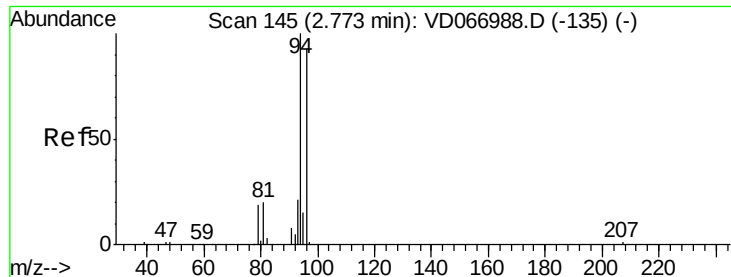
100

0

1.96 1.98 2.00 2.02

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067212.D

Acq: 09 Oct 2020 15:28

Instrument :

MSVOA_D

ClientSampleId :

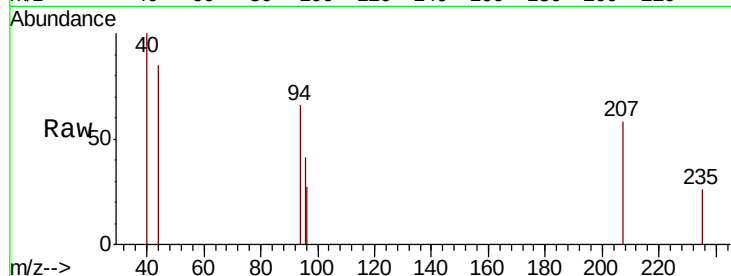
BACKFILL OFFSITE-4-SO-5

Tot Ion: 94 Resp: 225

Ion Ratio Lower Upper

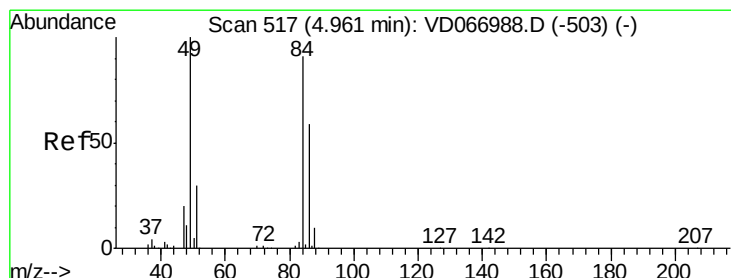
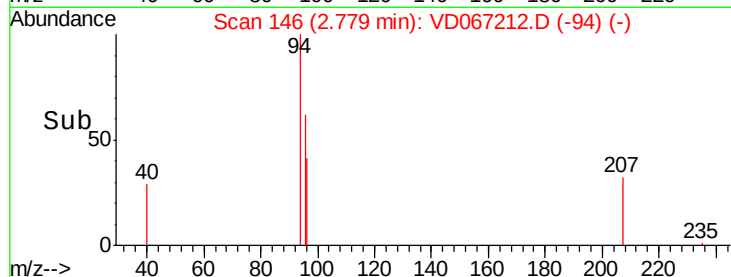
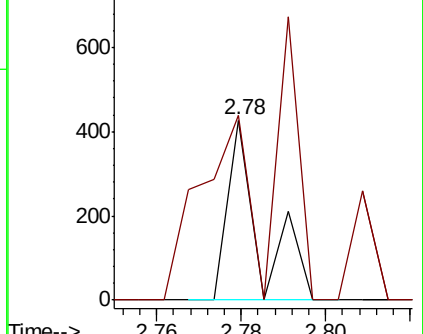
94 100

96 103.0 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#20

Methylene Chloride

Concen: 10.841 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067212.D

Acq: 09 Oct 2020 15:28

Tgt Ion: 84 Resp: 64307

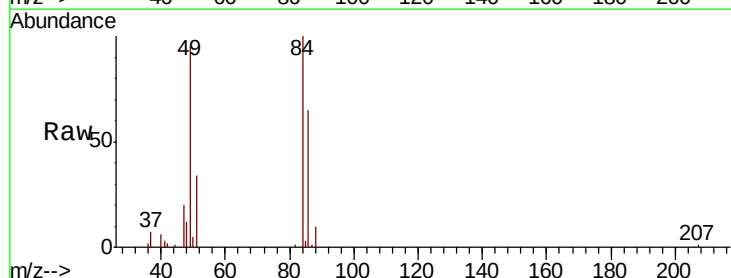
Ion Ratio Lower Upper

84 100

49 95.1 88.2 132.2

51 33.7 26.6 39.8

86 64.5 52.1 78.1

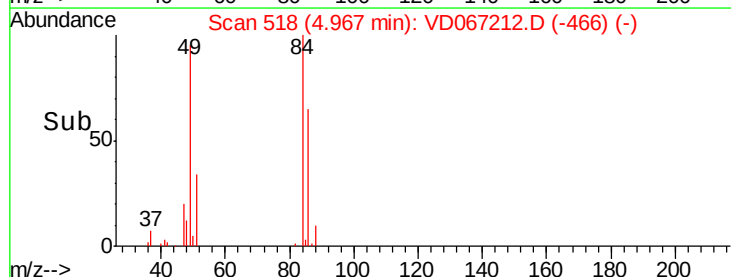
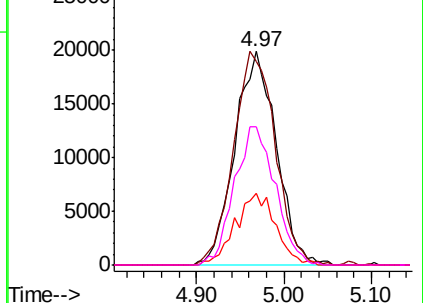


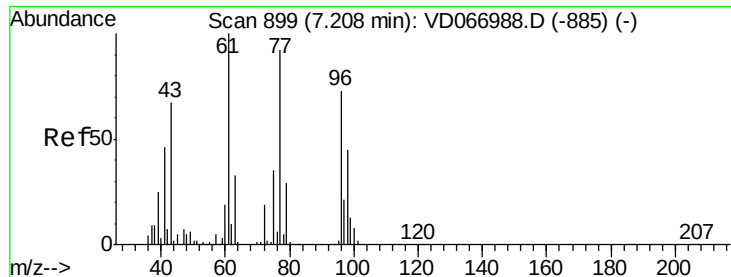
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

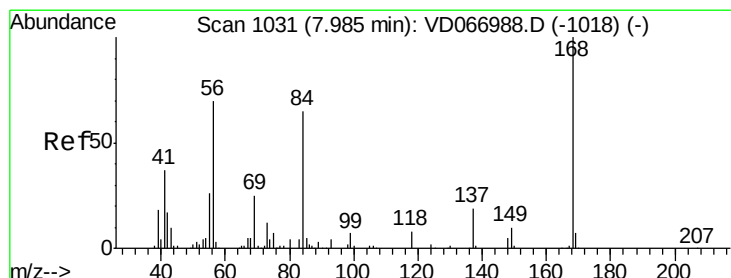
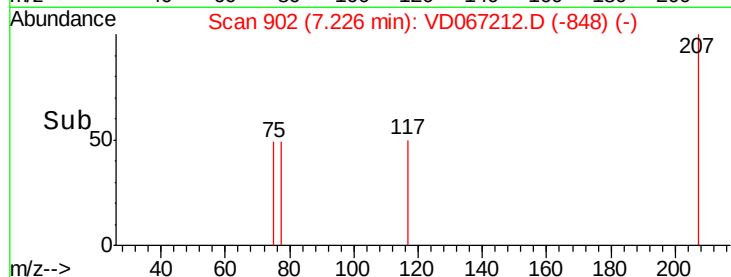
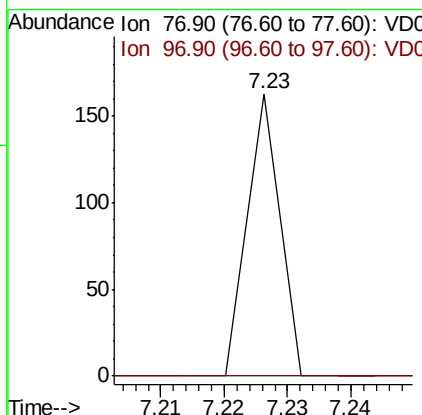
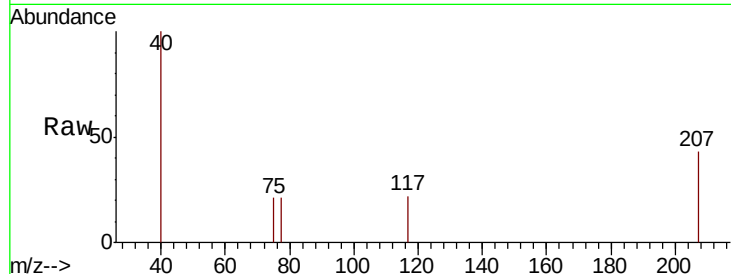




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.23 min Scan# 902
 Delta R.T. 0.02 min
 Lab File: VD067212.D
 Acq: 09 Oct 2020 15:28

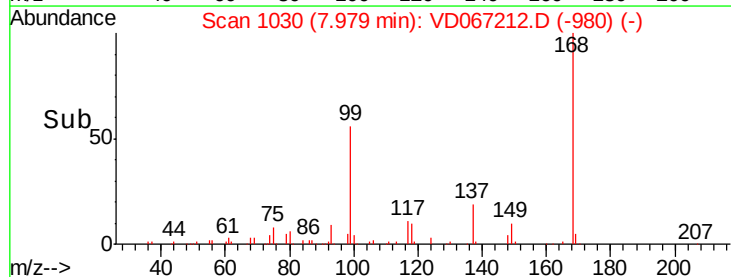
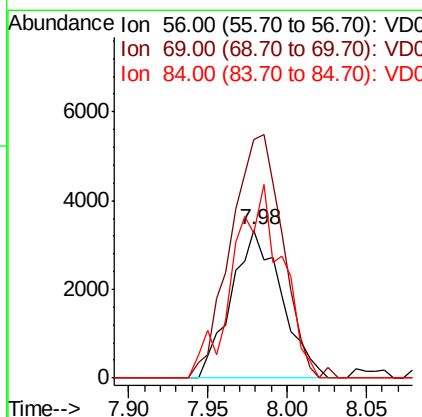
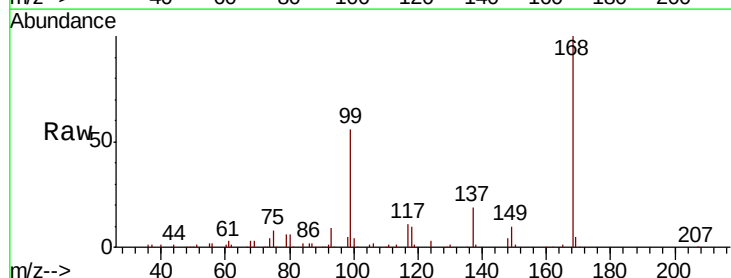
Instrument :
 MSVOA_D
 ClientSampleId :
 BACKFILL-OFFSITE-4-SO-5

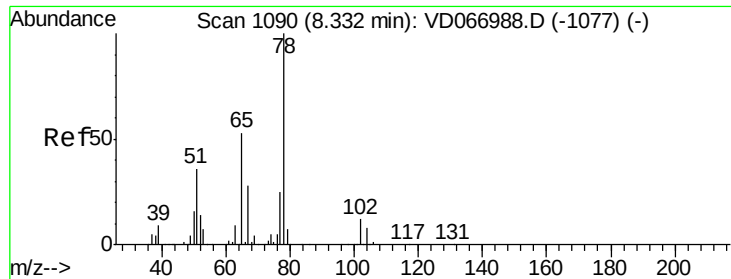
Tot Ion: 77 Resp: 58
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.4 34.2#



#31
 Cyclohexane
 Concen: 1.367 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VD067212.D
 Acq: 09 Oct 2020 15:28

Tgt Ion: 56 Resp: 7371
 Ion Ratio Lower Upper
 56 100
 69 161.1 29.0 43.6#
 84 98.1 74.2 111.2

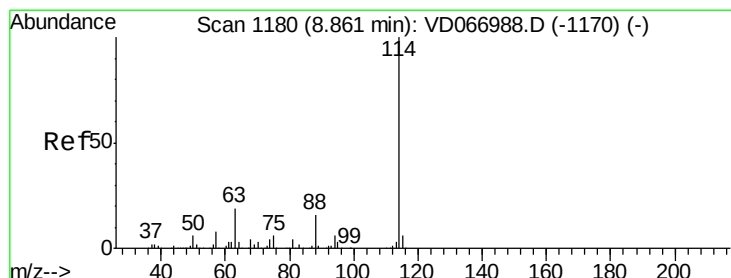
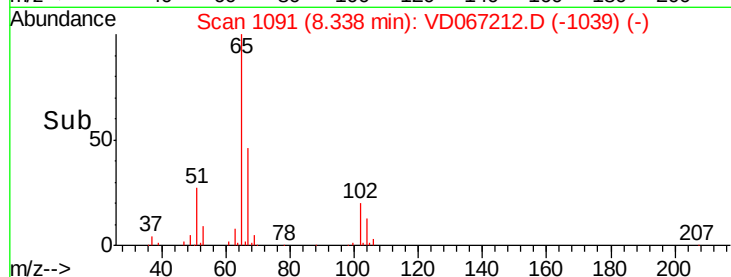
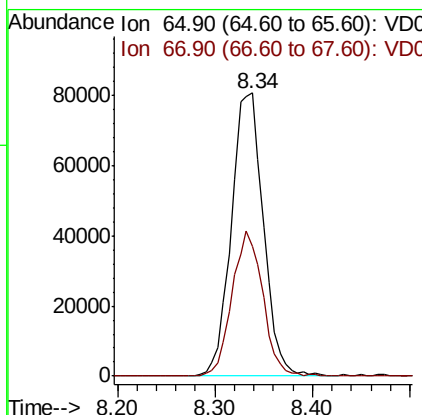
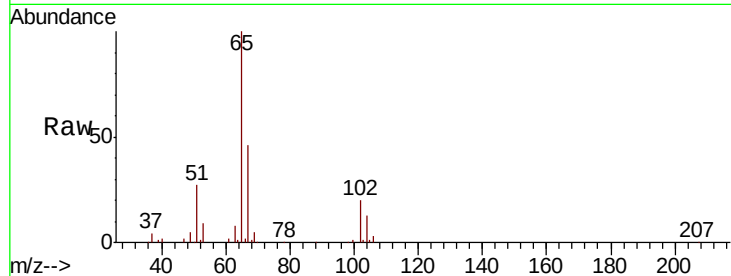




#33
 1,2-Dichloroethane-d4
 Concen: 51.441 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD067212.D
 Acq: 09 Oct 2020 15:28

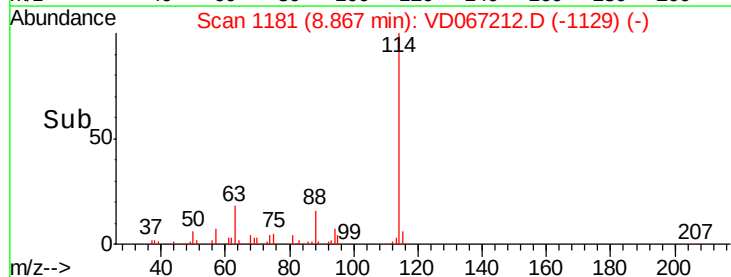
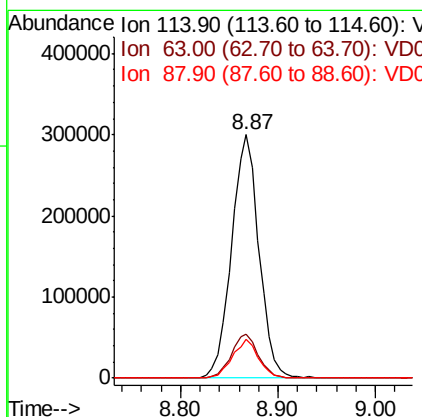
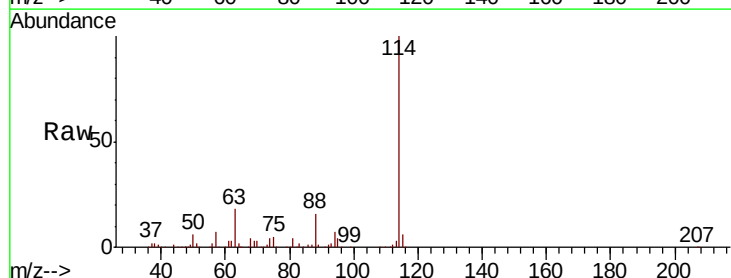
Instrument :
 MSVOA_D
 ClientSampleId :
 BACKFILL-OFFSITE-4-SO-5

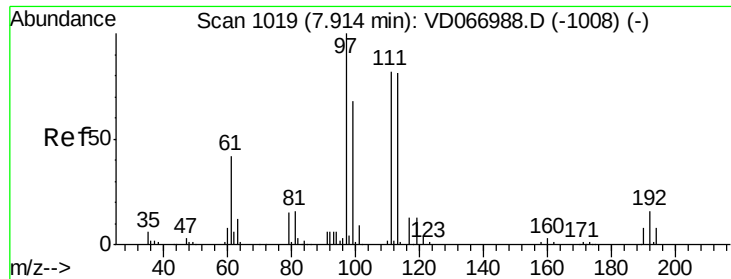
Tot Ion: 65 Resp: 184644
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067212.D
 Acq: 09 Oct 2020 15:28

Tgt Ion: 114 Resp: 585080
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 38.4
 88 15.7 0.0 31.2

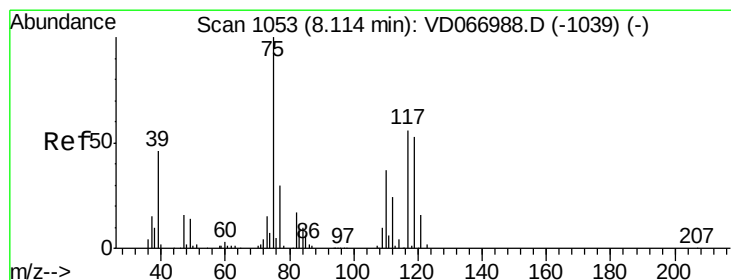
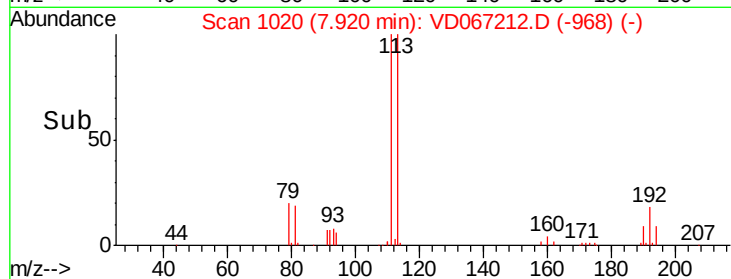
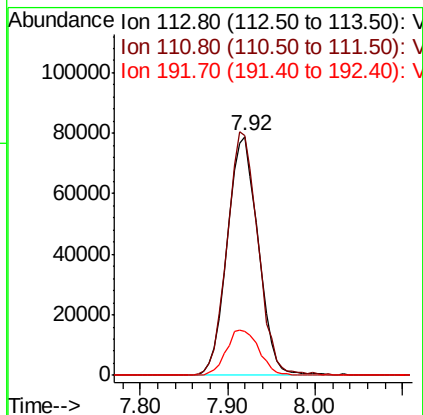
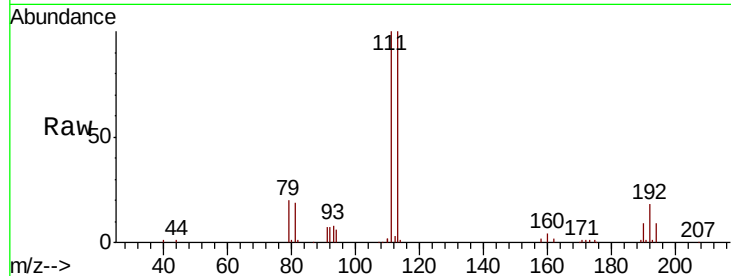




#35
 Dibromofluoromethane
 Concen: 49.691 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067212.D
 Acq: 09 Oct 2020 15:28

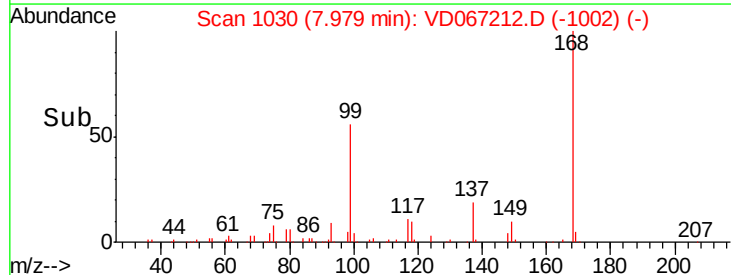
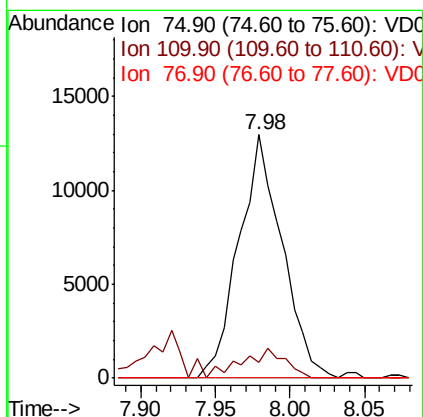
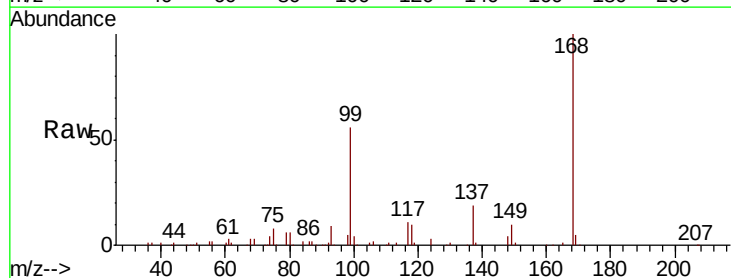
Instrument :
 MSVOA_D
 ClientSampleId :
 BACKFILL-OFFSITE-4-SO-5

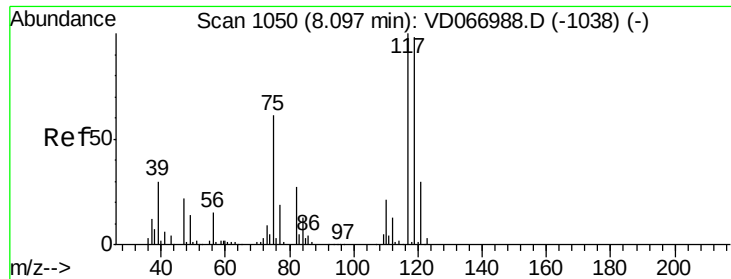
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	83.0	124.4
192	19.9	15.5	23.3



#36
 1,1-Dichloropropene
 Concen: 4.783 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067212.D
 Acq: 09 Oct 2020 15:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.2	18.4	55.0#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.538 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067212.D

Acq: 09 Oct 2020 15:28

Instrument :

MSVOA_D

ClientSampleId :

BACKFILL OFFSITE-4-SO-5

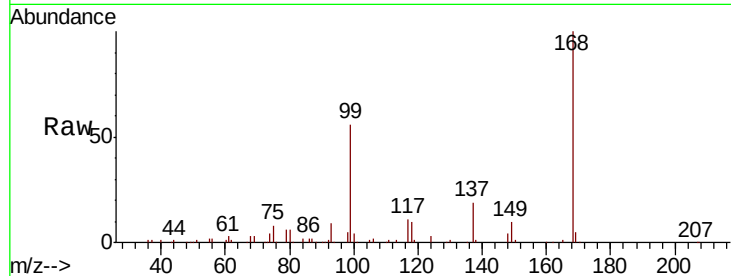
Tot Ion: 117 Resp: 38580

Ion Ratio Lower Upper

117 100

119 5.8 78.7 118.1#

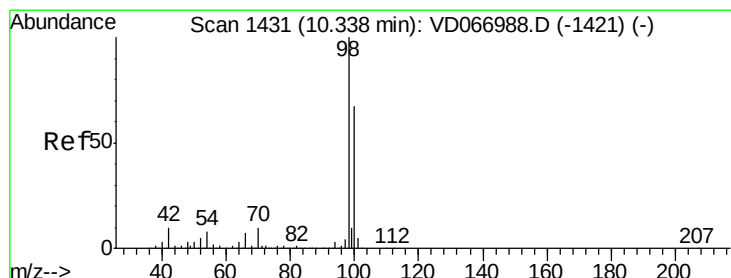
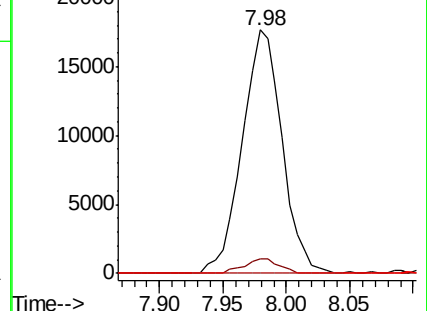
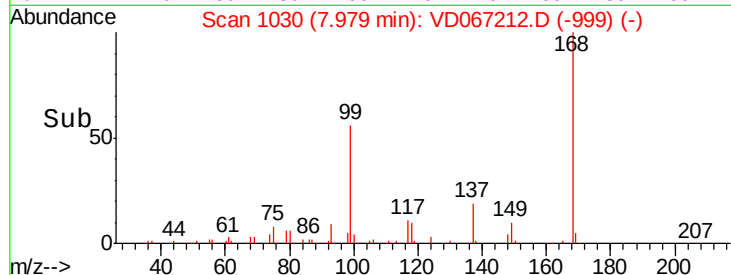
121 0.0 24.2 36.2#



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: 48.919 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD067212.D

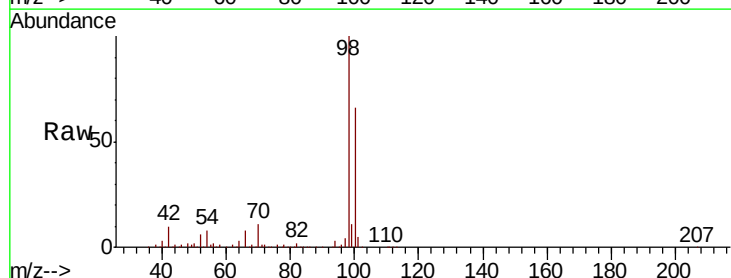
Acq: 09 Oct 2020 15:28

Tgt Ion: 98 Resp: 682794

Ion Ratio Lower Upper

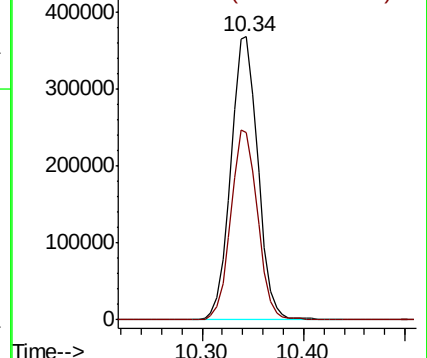
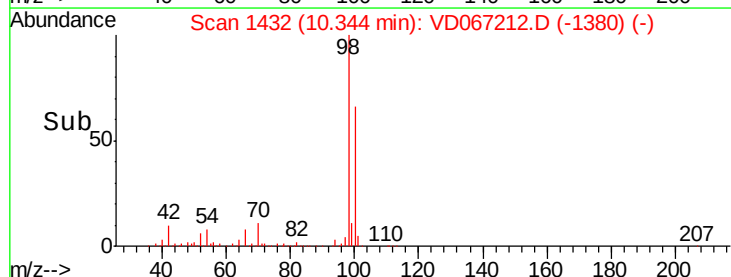
98 100

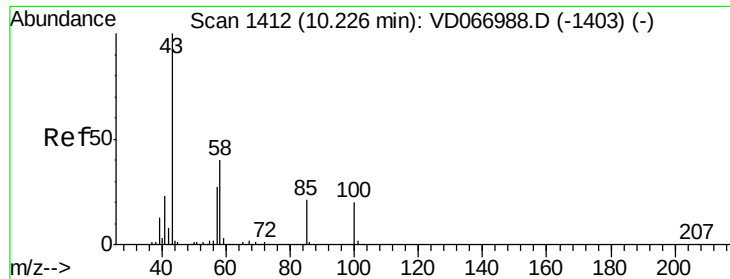
100 66.2 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.429 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.12 min

Lab File: VD067212.D

Acq: 09 Oct 2020 15:28

Instrument :

MSVOA_D

ClientSampleId :

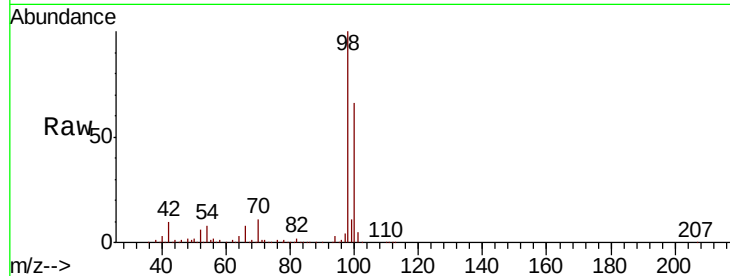
BACKFILL-OFFSITE-4-SO-5

Tot Ion: 43 Resp: 2478

Ion Ratio Lower Upper

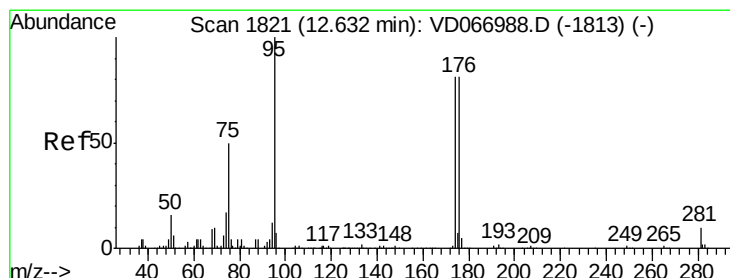
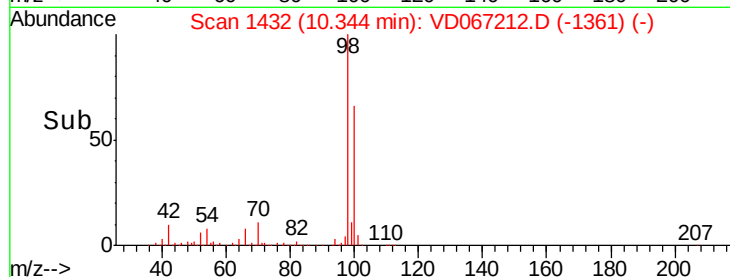
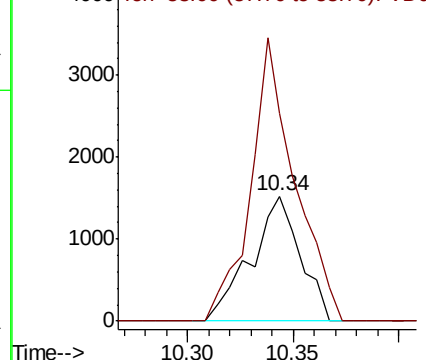
43 100

58 202.5 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: 48.218 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067212.D

Acq: 09 Oct 2020 15:28

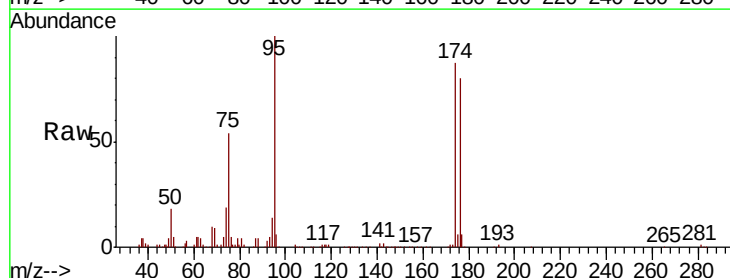
Tgt Ion: 95 Resp: 228469

Ion Ratio Lower Upper

95 100

174 87.3 0.0 167.6

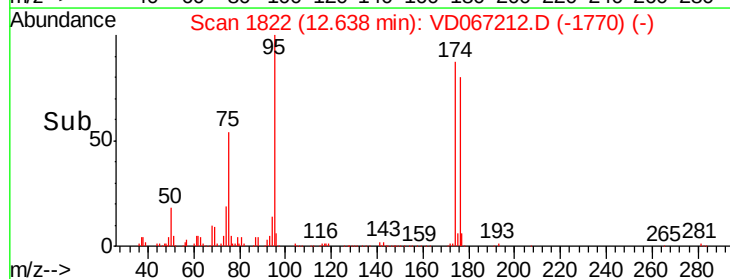
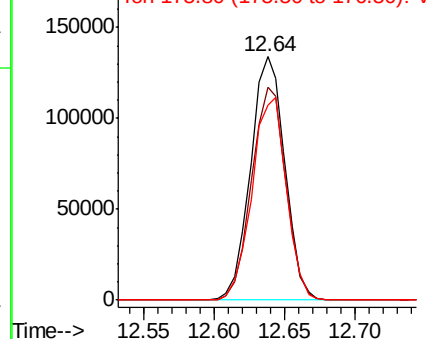
176 83.7 0.0 162.4

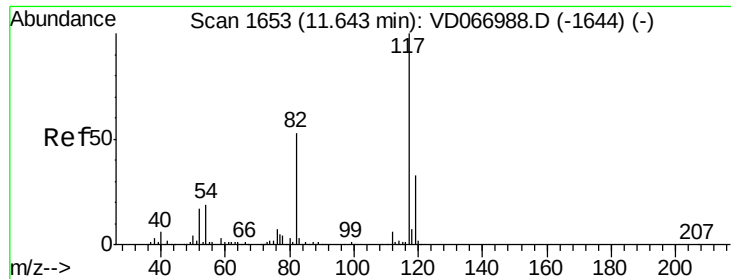


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

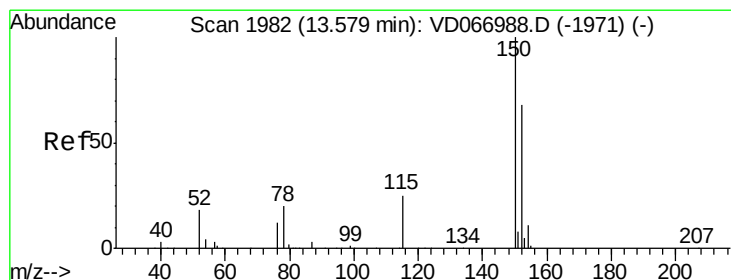
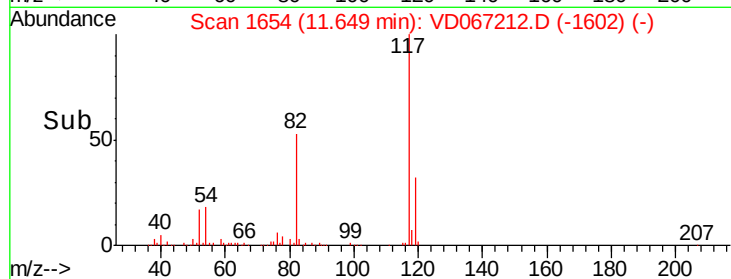
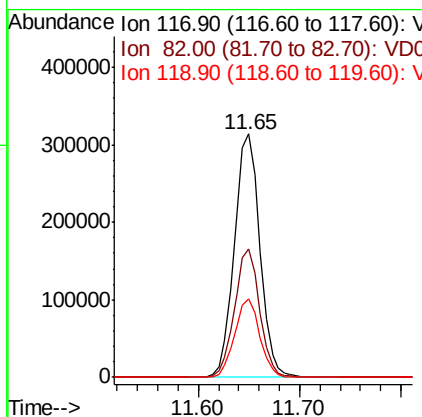
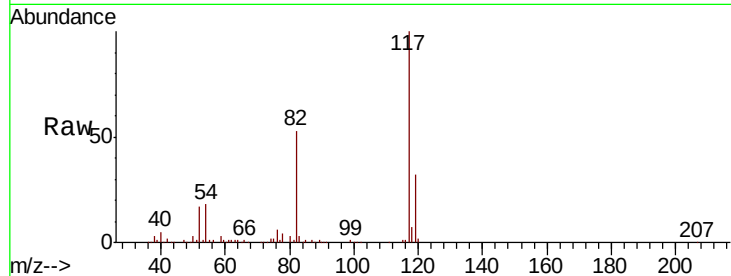




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067212.D
Acq: 09 Oct 2020 15:28

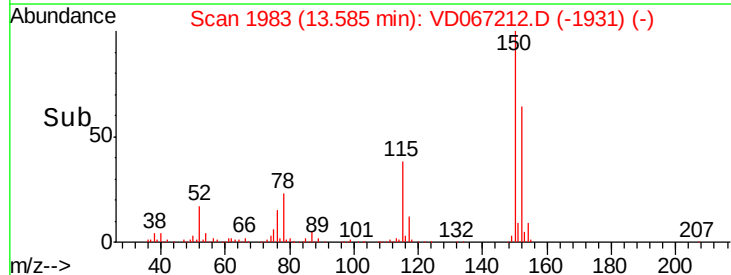
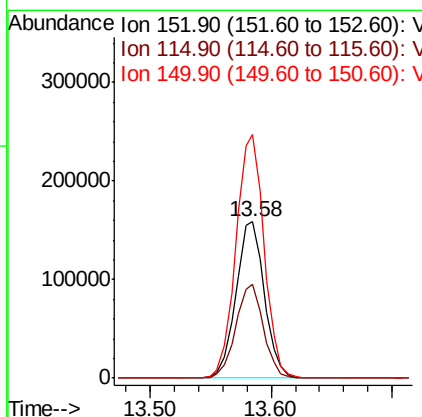
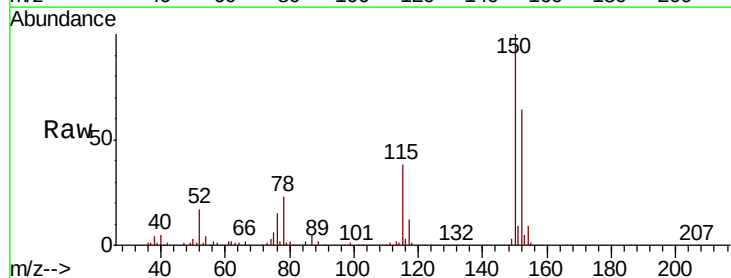
Instrument :
MSVOA_D
ClientSampleId :
BACKFILL-OFFSITE-4-SO-5

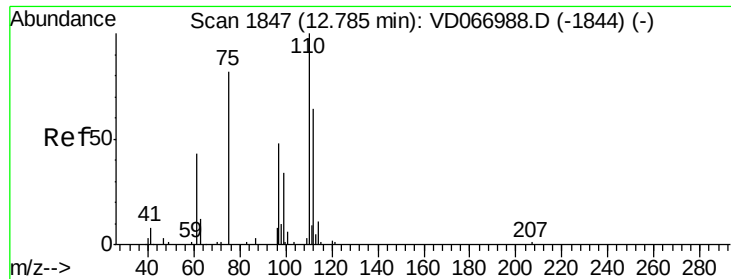
Tot Ion:117 Resp: 548331
Ion Ratio Lower Upper
117 100
82 52.6 42.6 63.8
119 32.3 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD067212.D
Acq: 09 Oct 2020 15:28

Tgt Ion:152 Resp: 259265
Ion Ratio Lower Upper
152 100
115 58.3 29.6 88.8
150 154.0 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 51.687 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067212.D

Acq: 09 Oct 2020 15:28

Instrument :

MSVOA_D

ClientSampleId :

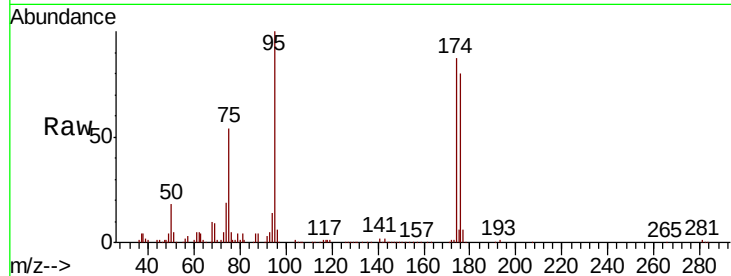
BACKFILL OFFSITE-4-SO-5

Tot Ion: 75 Resp: 116723

Ion Ratio Lower Upper

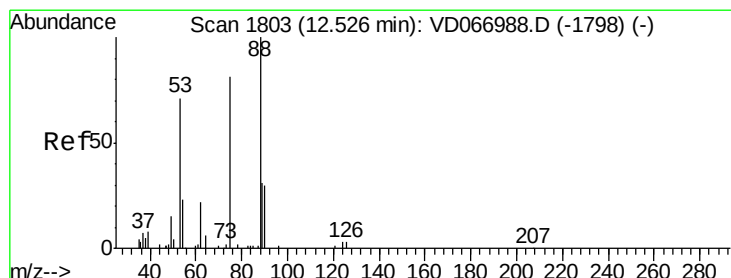
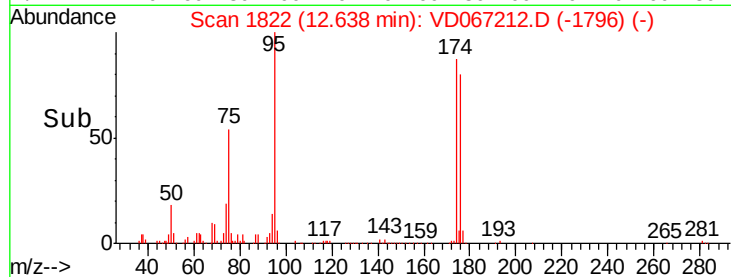
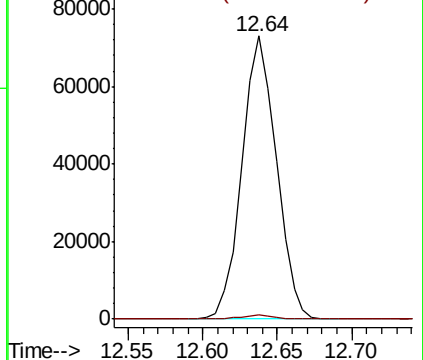
75 100

77 1.3 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: 128.861 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067212.D

Acq: 09 Oct 2020 15:28

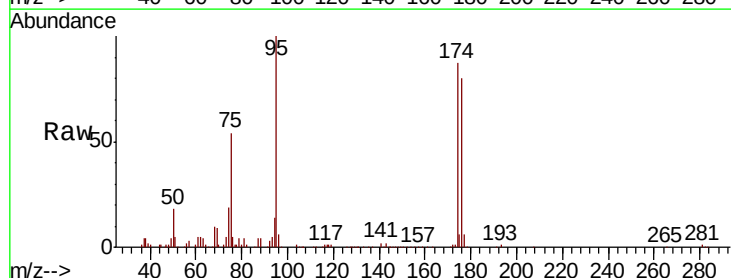
Tgt Ion: 75 Resp: 116723

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

