

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100920\
 Data File : VD067211.D
 Acq On : 09 Oct 2020 15:00
 Operator : VA/SY
 Sample : L4342-09
 Misc : 6.96G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BACKFILL OFFSITE-3-SO-4

Quant Time: Oct 09 23:46:30 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	373040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	594338	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	554470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	263377	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	184953	51.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.94%	
35) Dibromofluoromethane	7.92	113	187594	48.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.42%	
50) Toluene-d8	10.34	98	690018	48.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.34%	
62) 4-Bromofluorobenzene	12.64	95	234319	48.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.36%	

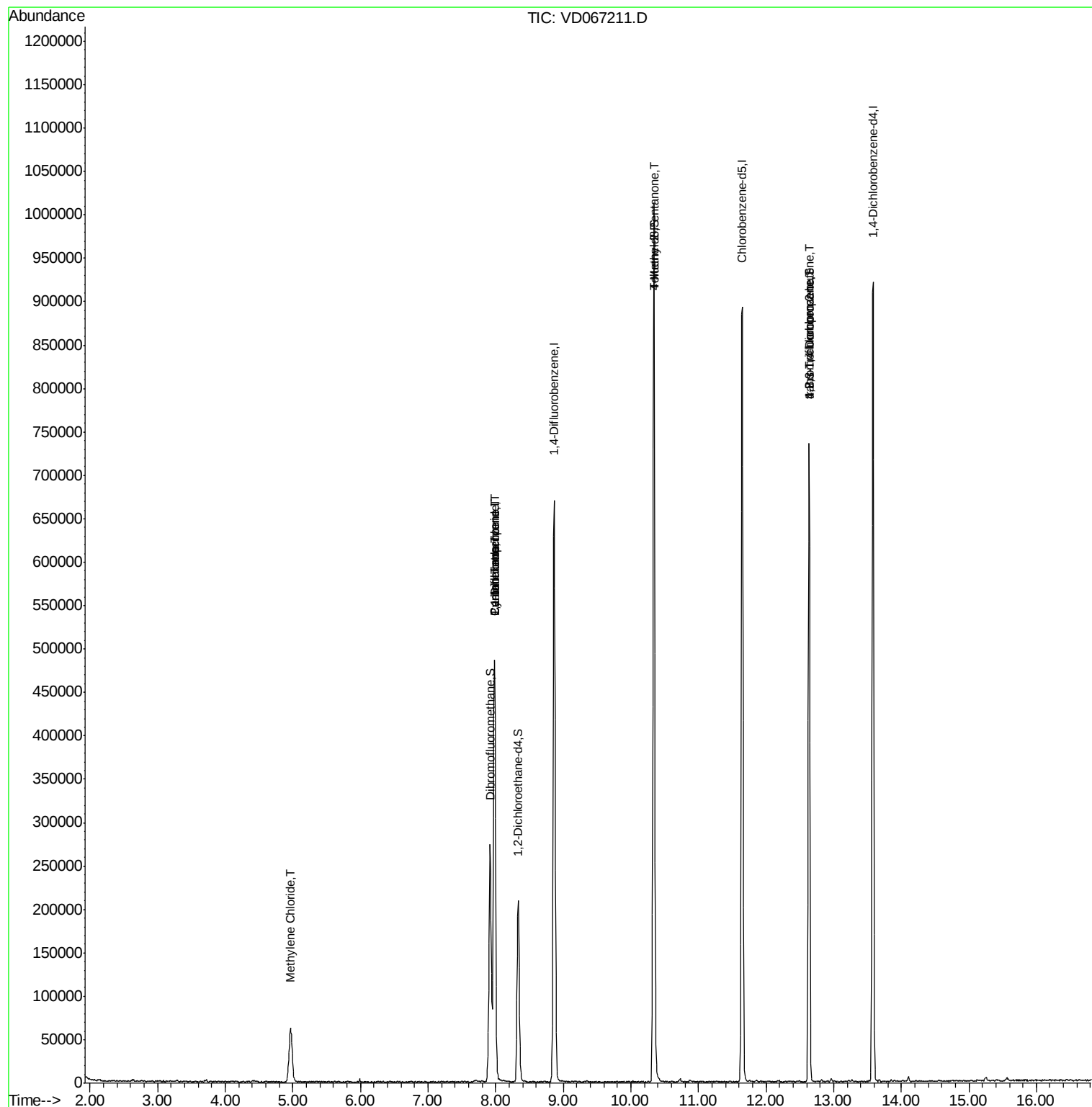
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	376	Below Cal	#	40
5) Bromomethane	2.78	94	270	Below Cal	#	64
20) Methylene Chloride	4.96	84	55375	8.136	ug/l	87
26) 2,2-Dichloropropane	7.21	77	53	Below Cal	#	53
31) Cyclohexane	7.98	56	7790	1.444	ug/l	# 37
36) 1,1-Dichloropropene	7.98	75	26982	4.870	ug/l	# 52
38) Carbon Tetrachloride	7.98	117	37910	6.325	ug/l	# 17
51) 4-Methyl-2-Pentanone	10.34	43	2419	1.374	ug/l	# 1
76) 1,2,3-Trichloropropane	12.64	75	119956	52.289	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	119956	130.363	ug/l	# 12

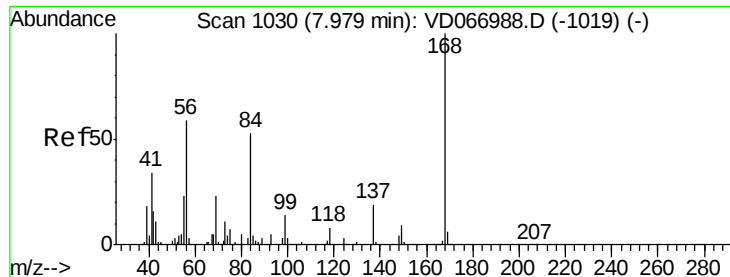
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100920\
Data File : VD067211.D
Acq On : 09 Oct 2020 15:00
Operator : VA/SY
Sample : L4342-09
Misc : 6.96G/5.00ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BACKFILL OFFSITE-3-SO-4

Quant Time: Oct 09 23:46:30 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: VD067211.D

Acq: 09 Oct 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

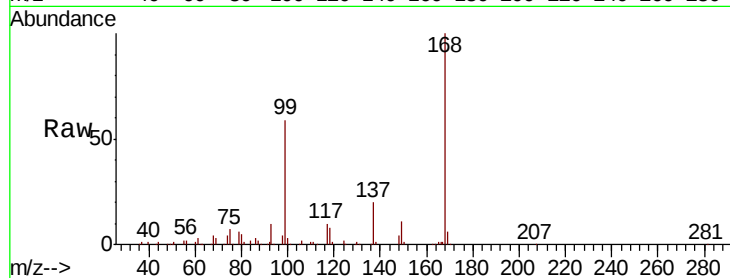
BACKFILL OFFSITE-3-SO-4

Tot Ion:168 Resp: 373040

Ion Ratio Lower Upper

168 100

99 58.5 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

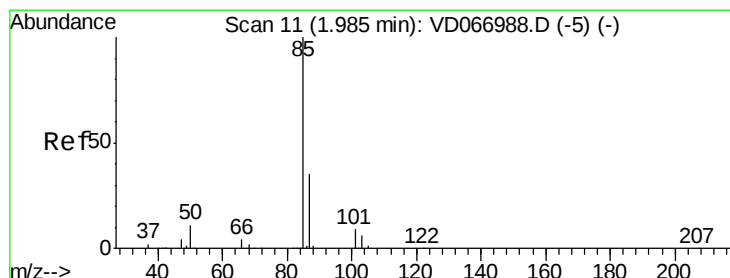
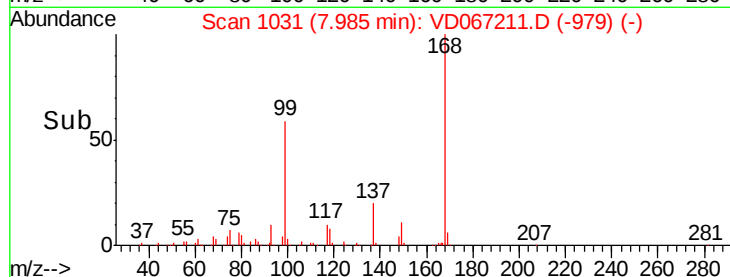
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067211.D

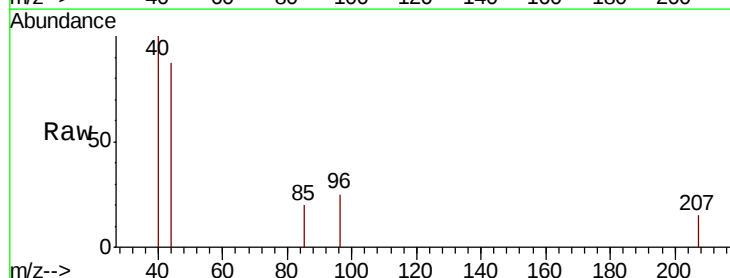
Acq: 09 Oct 2020 15:00

Tgt Ion: 85 Resp: 376

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

500

400

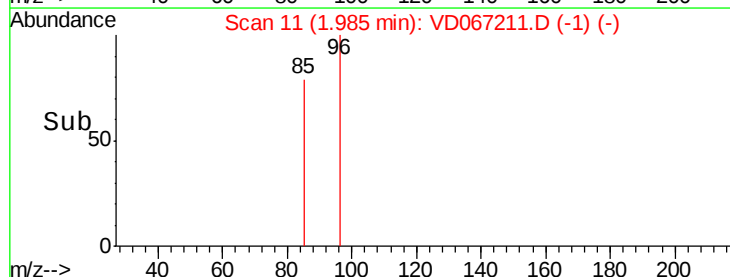
300

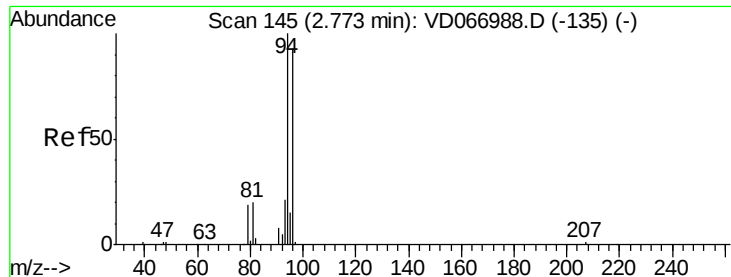
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067211.D

Acq: 09 Oct 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

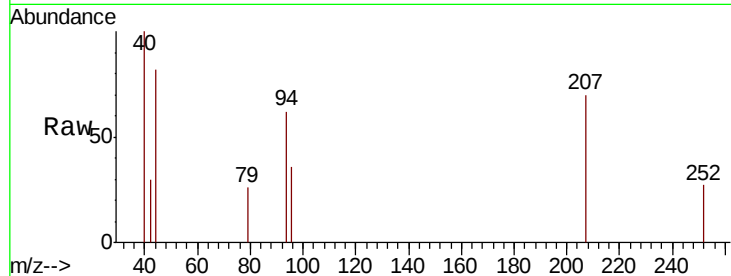
BACKFILL OFFSITE-3-SO-4

Tot Ion: 94 Resp: 270

Ion Ratio Lower Upper

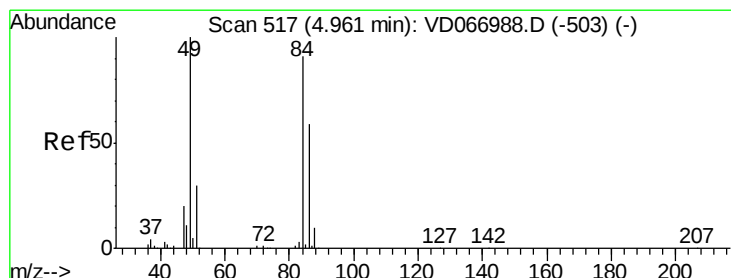
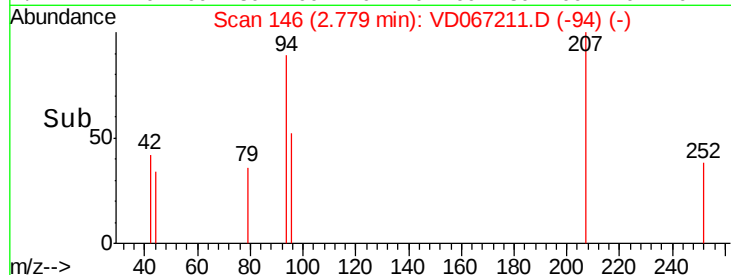
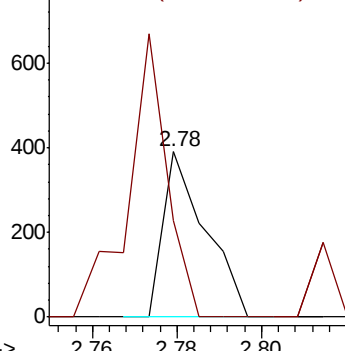
94 100

96 58.5 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: 8.136 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067211.D

Acq: 09 Oct 2020 15:00

Tgt Ion: 84 Resp: 55375

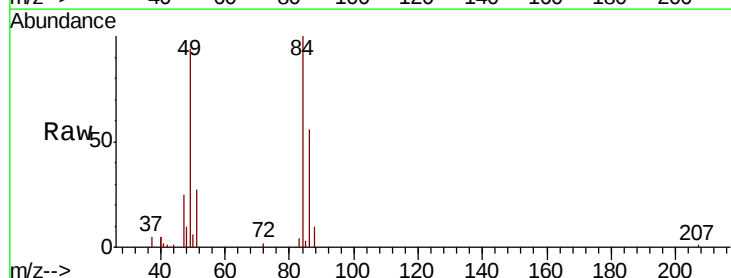
Ion Ratio Lower Upper

84 100

49 94.2 88.2 132.2

51 27.2 26.6 39.8

86 55.9 52.1 78.1

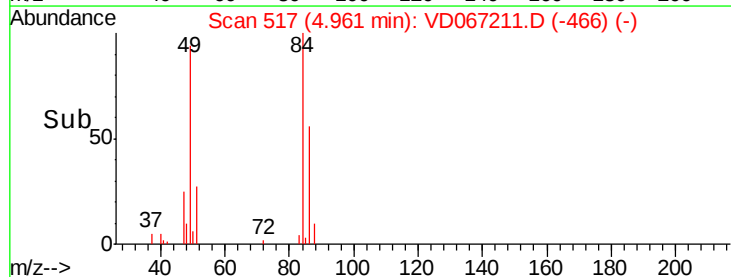
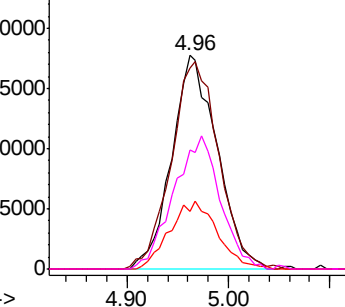


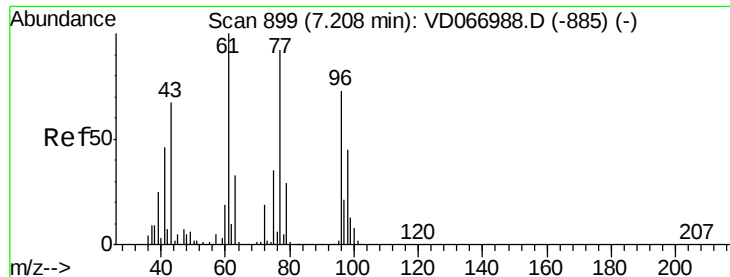
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067211.D

Acq: 09 Oct 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

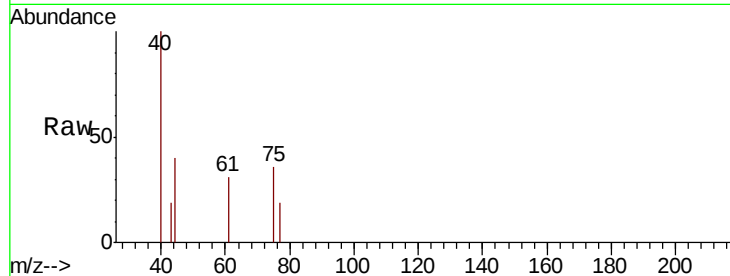
BACKFILL OFFSITE-3-SO-4

Tot Ion: 77 Resp: 53

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

7.21

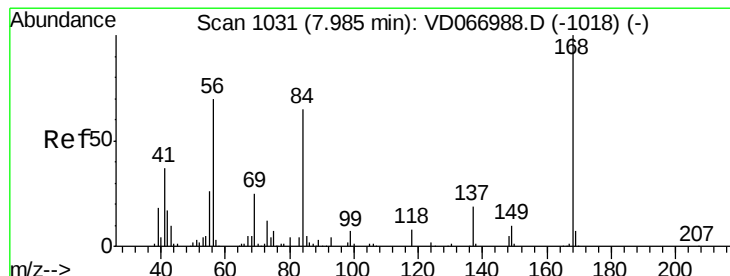
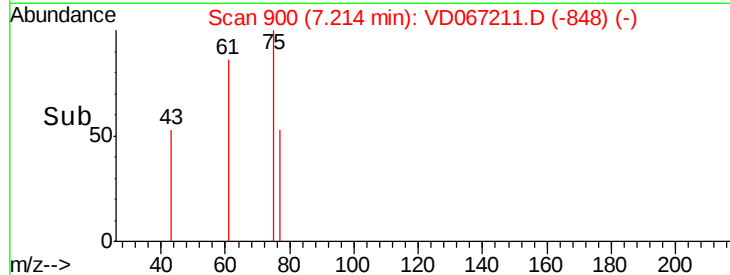
150

100

50

0

Time-->



#31

Cyclohexane

Concen: 1.444 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067211.D

Acq: 09 Oct 2020 15:00

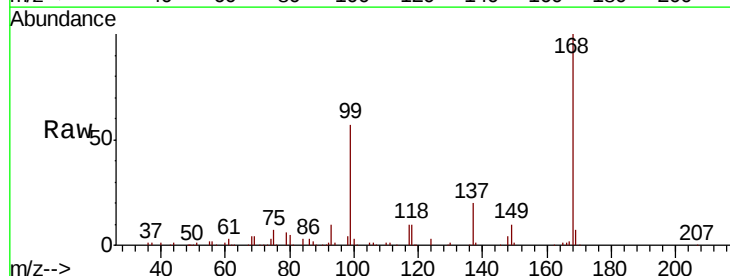
Tgt Ion: 56 Resp: 7790

Ion Ratio Lower Upper

56 100

69 153.3 29.0 43.6#

84 102.3 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

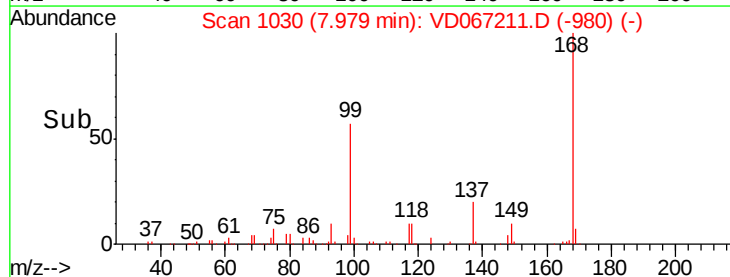
6000

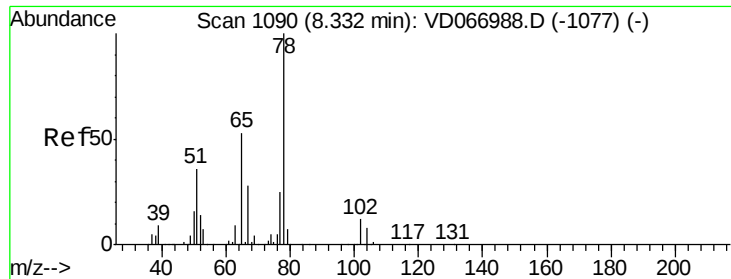
4000

2000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 51.474 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067211.D

Acq: 09 Oct 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

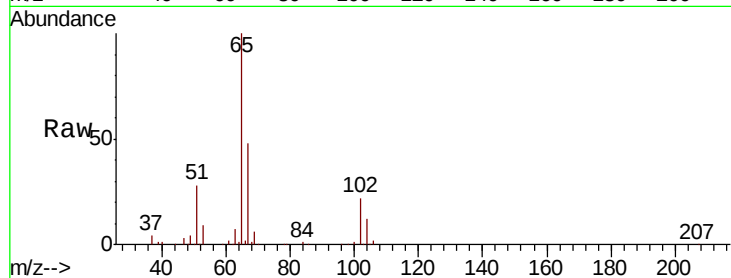
BACKFILL OFFSITE-3-SO-4

Tot Ion: 65 Resp: 184953

Ion Ratio Lower Upper

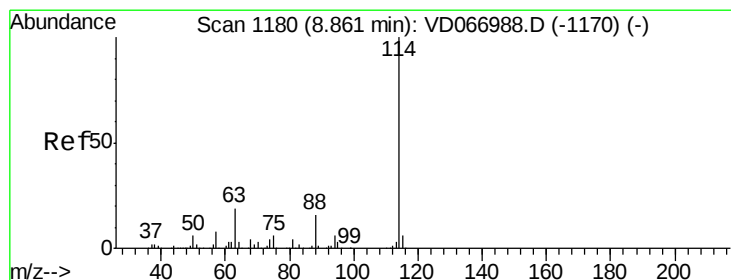
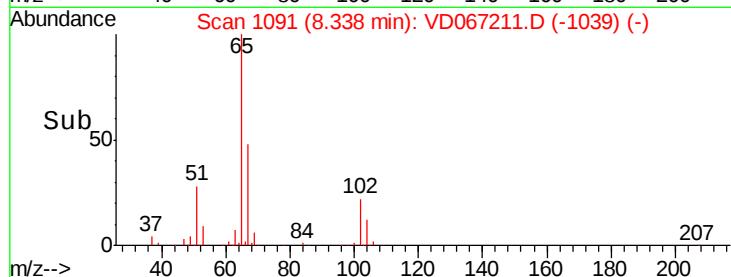
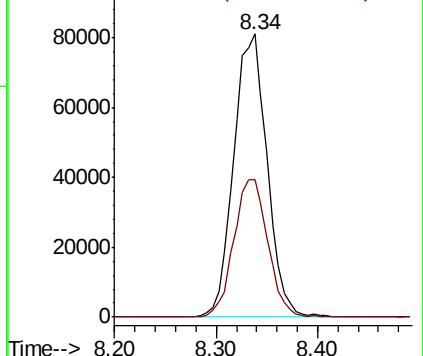
65 100

67 49.7 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): V

Ion 66.90 (66.60 to 67.60): V



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD067211.D

Acq: 09 Oct 2020 15:00

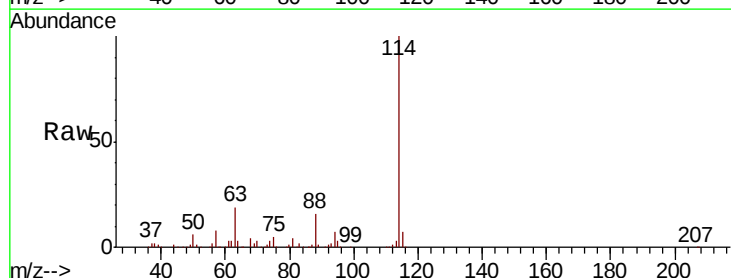
Tgt Ion: 114 Resp: 594338

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.4

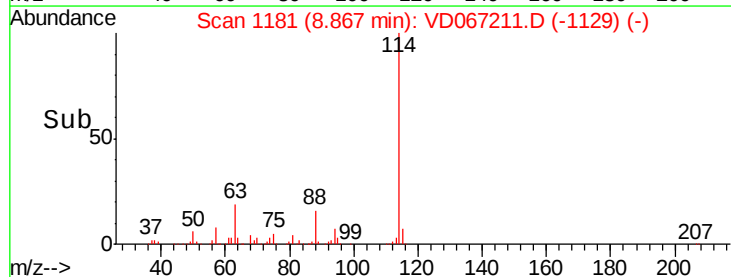
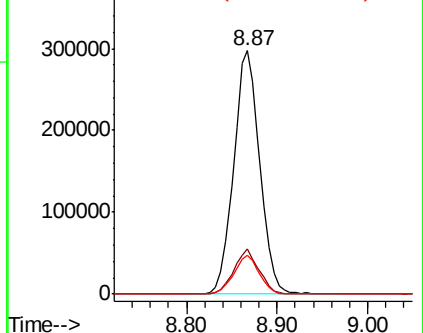
88 16.0 0.0 31.2

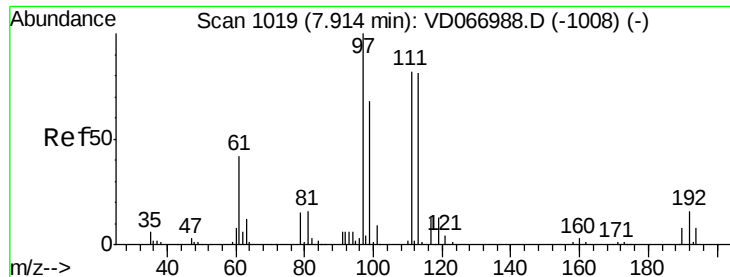


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V

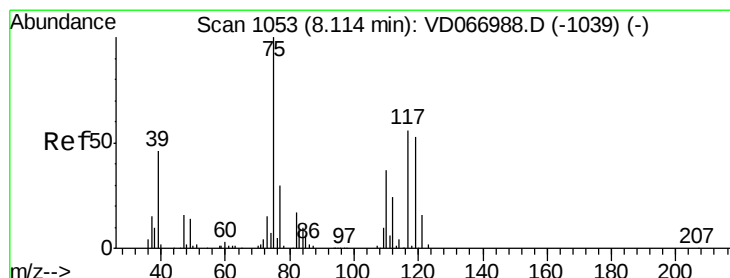
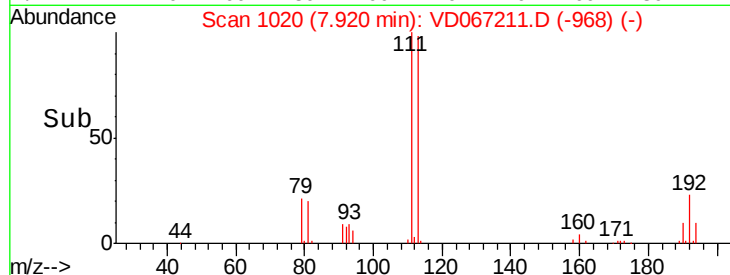
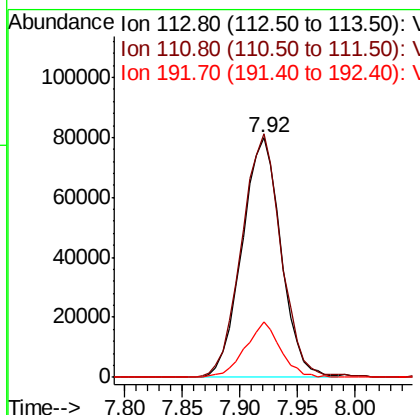
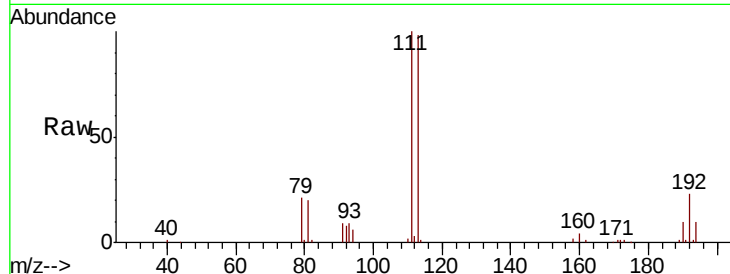




#35
 Dibromofluoromethane
 Concen: 48.212 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067211.D
 Acq: 09 Oct 2020 15:00

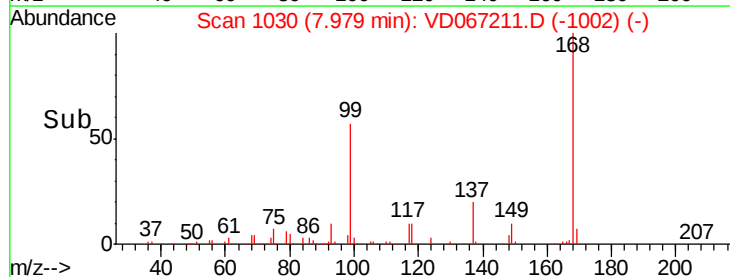
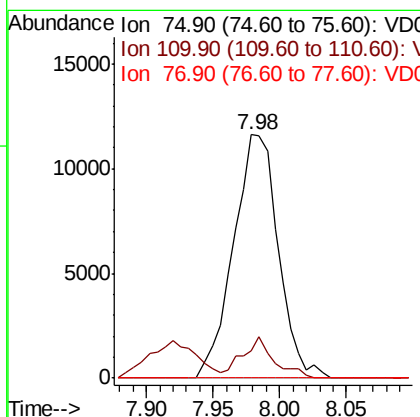
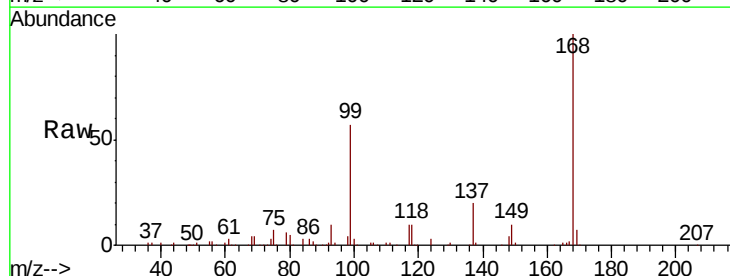
Instrument :
 MSVOA_D
 ClientSampleId :
 BACKFILL-OFFSITE-3-SO-4

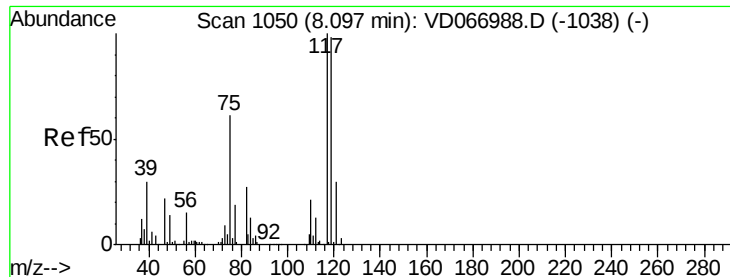
Tot Ion: 113 Resp: 187594
 Ion Ratio Lower Upper
 113 100
 111 103.4 83.0 124.4
 192 21.0 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 4.870 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067211.D
 Acq: 09 Oct 2020 15:00

Tgt Ion: 75 Resp: 26982
 Ion Ratio Lower Upper
 75 100
 110 12.1 18.4 55.0#
 77 0.0 24.8 37.2#

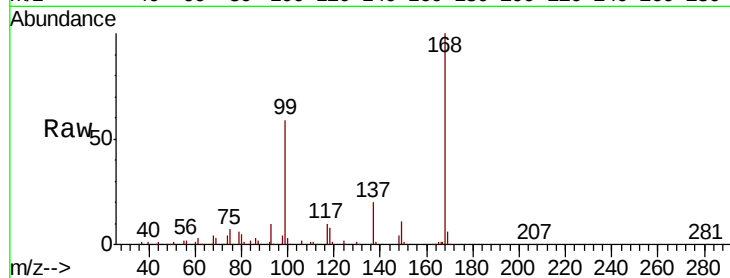




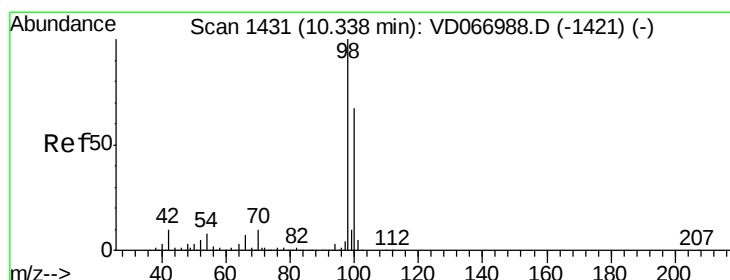
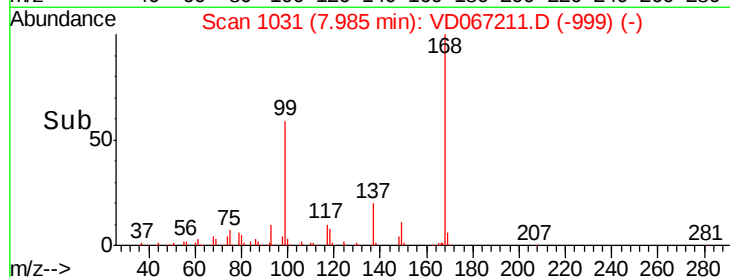
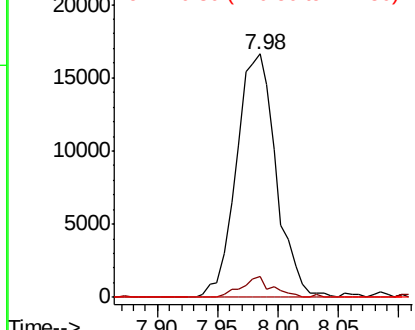
#38
Carbon Tetrachloride
Concen: 6.325 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD067211.D
Acq: 09 Oct 2020 15:00

Instrument :
MSVOA_D
ClientSampleId :
BACKFILL OFFSITE-3-SO-4

Tot Ion: 117 Resp: 37910
Ion Ratio Lower Upper
117 100
119 8.4 78.7 118.1#
121 0.0 24.2 36.2#

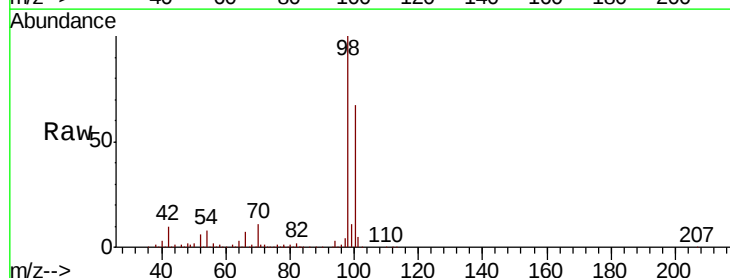


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

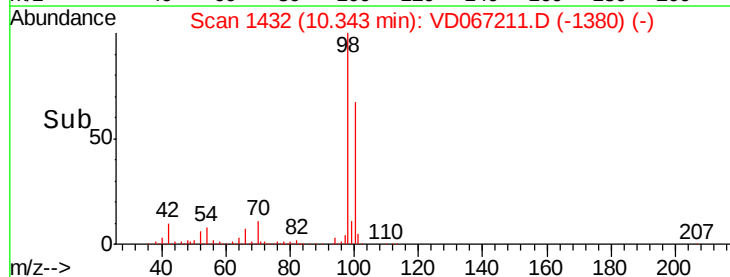
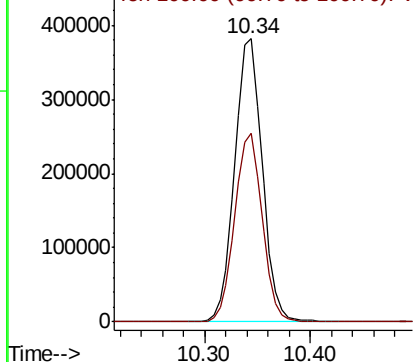


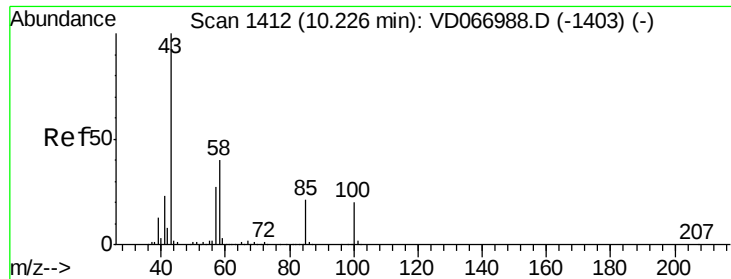
#50
Toluene-d8
Concen: 48.667 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD067211.D
Acq: 09 Oct 2020 15:00

Tgt Ion: 98 Resp: 690018
Ion Ratio Lower Upper
98 100
100 66.6 52.8 79.2



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: 1.374 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD067211.D

Acq: 09 Oct 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

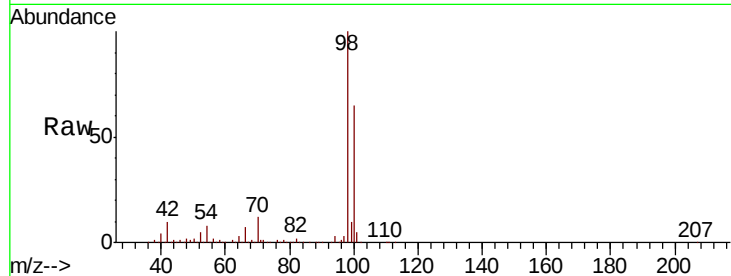
BACKFILL-OFFSITE-3-SO-4

Tot Ion: 43 Resp: 2419

Ion Ratio Lower Upper

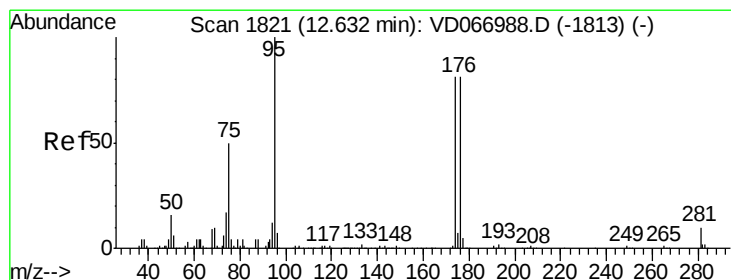
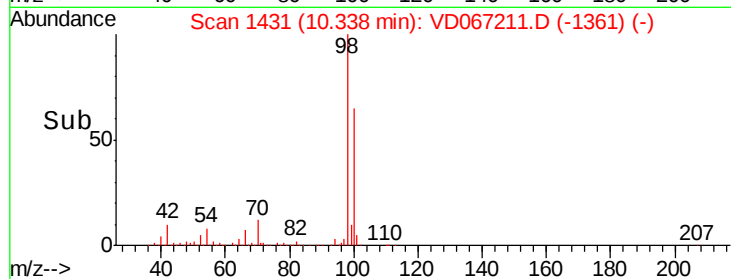
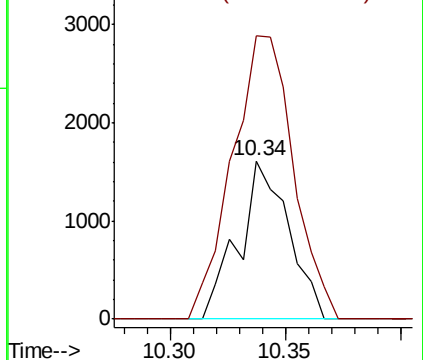
43 100

58 219.8 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: 48.682 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067211.D

Acq: 09 Oct 2020 15:00

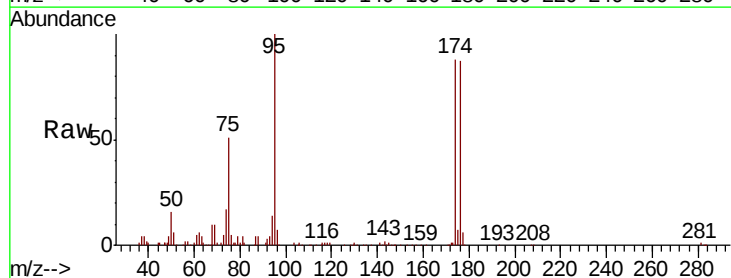
Tgt Ion: 95 Resp: 234319

Ion Ratio Lower Upper

95 100

174 86.2 0.0 167.6

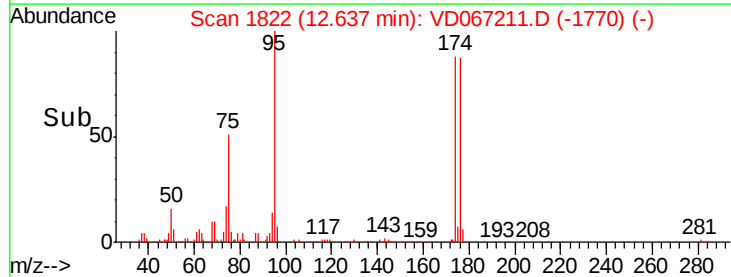
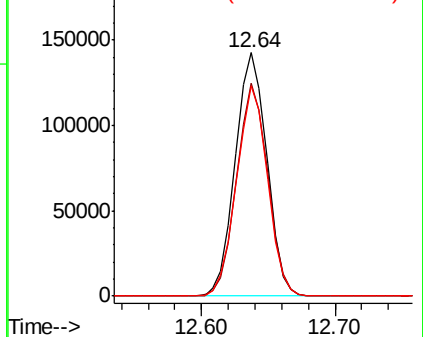
176 84.5 0.0 162.4

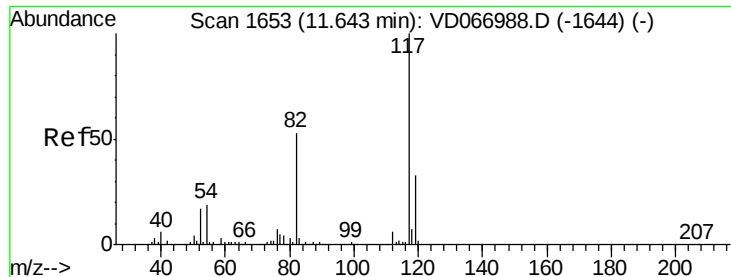


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

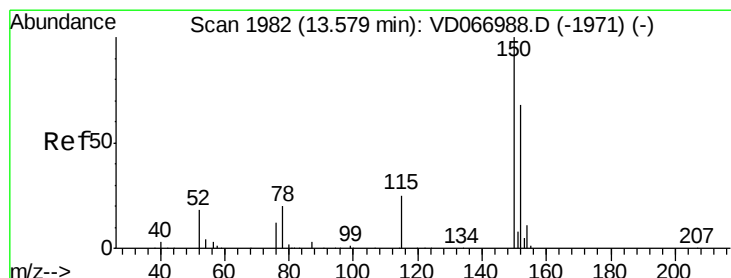
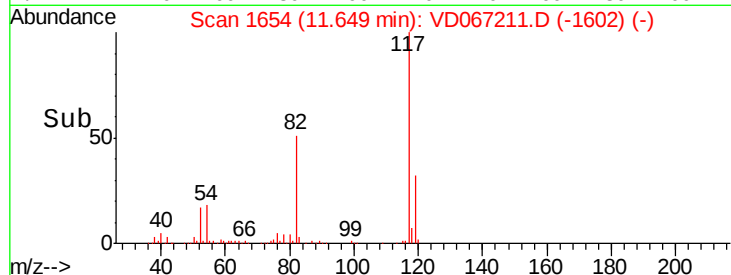
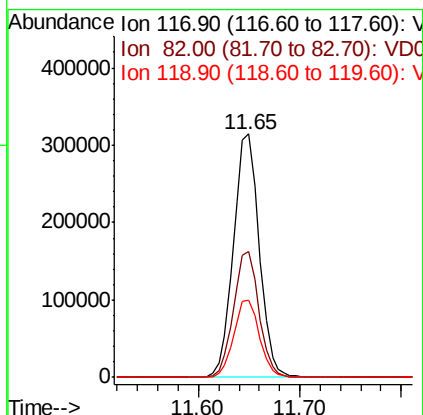
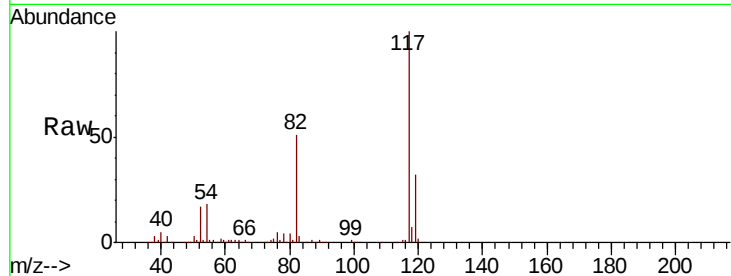




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067211.D
Acq: 09 Oct 2020 15:00

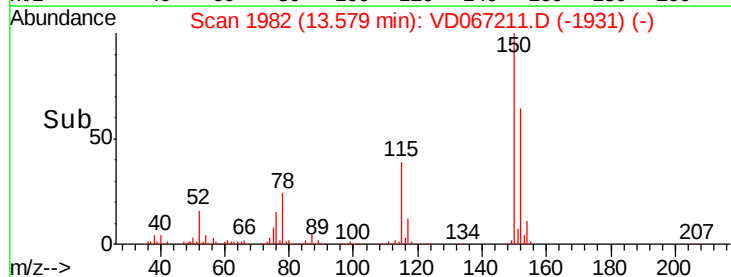
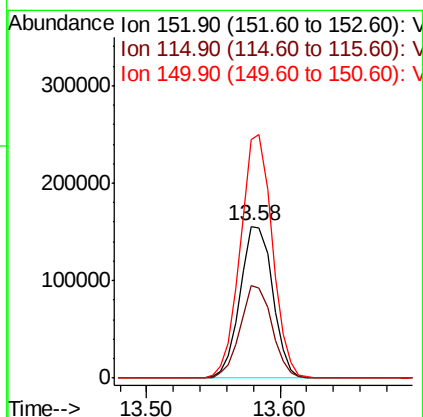
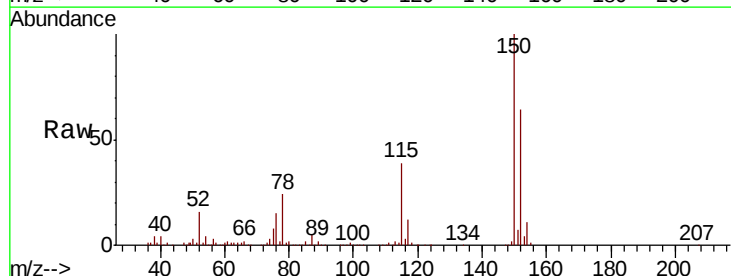
Instrument :
MSVOA_D
ClientSampleId :
BACKFILL-OFFSITE-3-SO-4

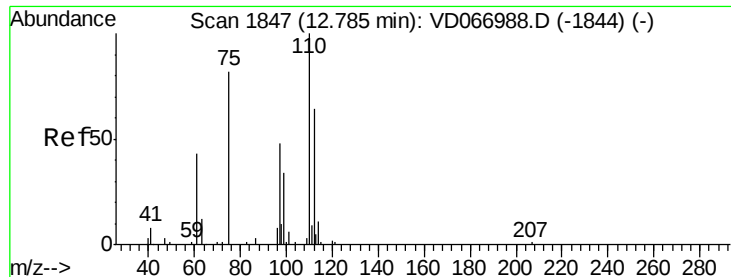
Tot Ion:117 Resp: 554470
Ion Ratio Lower Upper
117 100
82 51.4 42.6 63.8
119 31.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD067211.D
Acq: 09 Oct 2020 15:00

Tgt Ion:152 Resp: 263377
Ion Ratio Lower Upper
152 100
115 59.5 29.6 88.8
150 156.7 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 52.289 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067211.D

Acq: 09 Oct 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

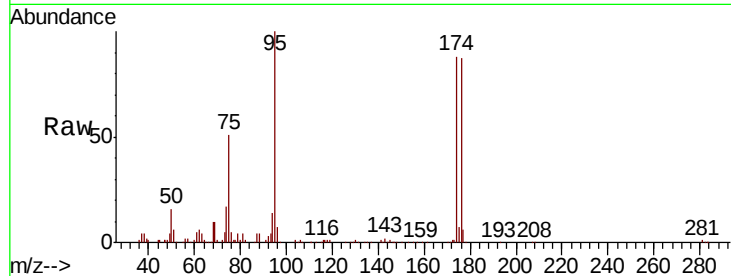
BACKFILL OFFSITE-3-SO-4

Tot Ion: 75 Resp: 119956

Ion Ratio Lower Upper

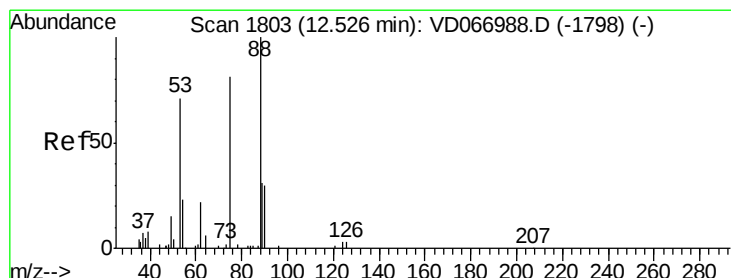
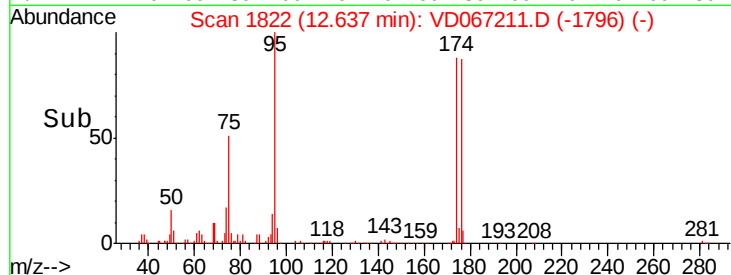
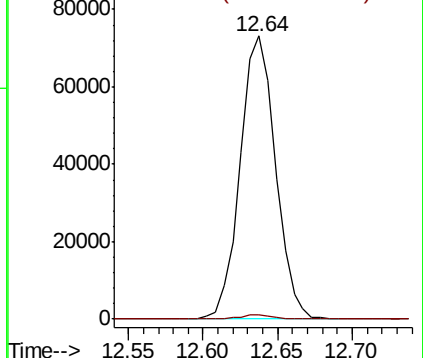
75 100

77 1.4 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: 130.363 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067211.D

Acq: 09 Oct 2020 15:00

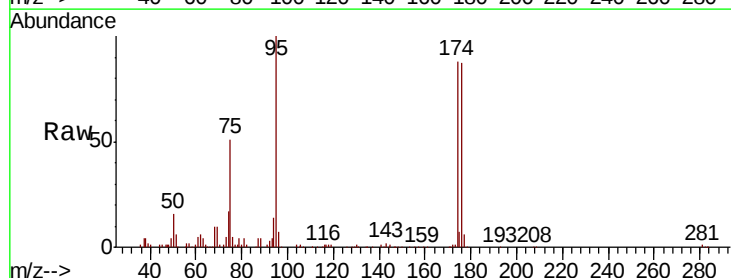
Tgt Ion: 75 Resp: 119956

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

