

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100920\
 Data File : VD067210.D
 Acq On : 09 Oct 2020 14:33
 Operator : VA/SY
 Sample : L4342-08
 Misc : 6.69G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Oct 09 23:46:18 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	370180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	603307	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	561062	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	264946	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	183370	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
35) Dibromofluoromethane	7.91	113	191872	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
50) Toluene-d8	10.34	98	704027	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
62) 4-Bromofluorobenzene	12.64	95	238152	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	

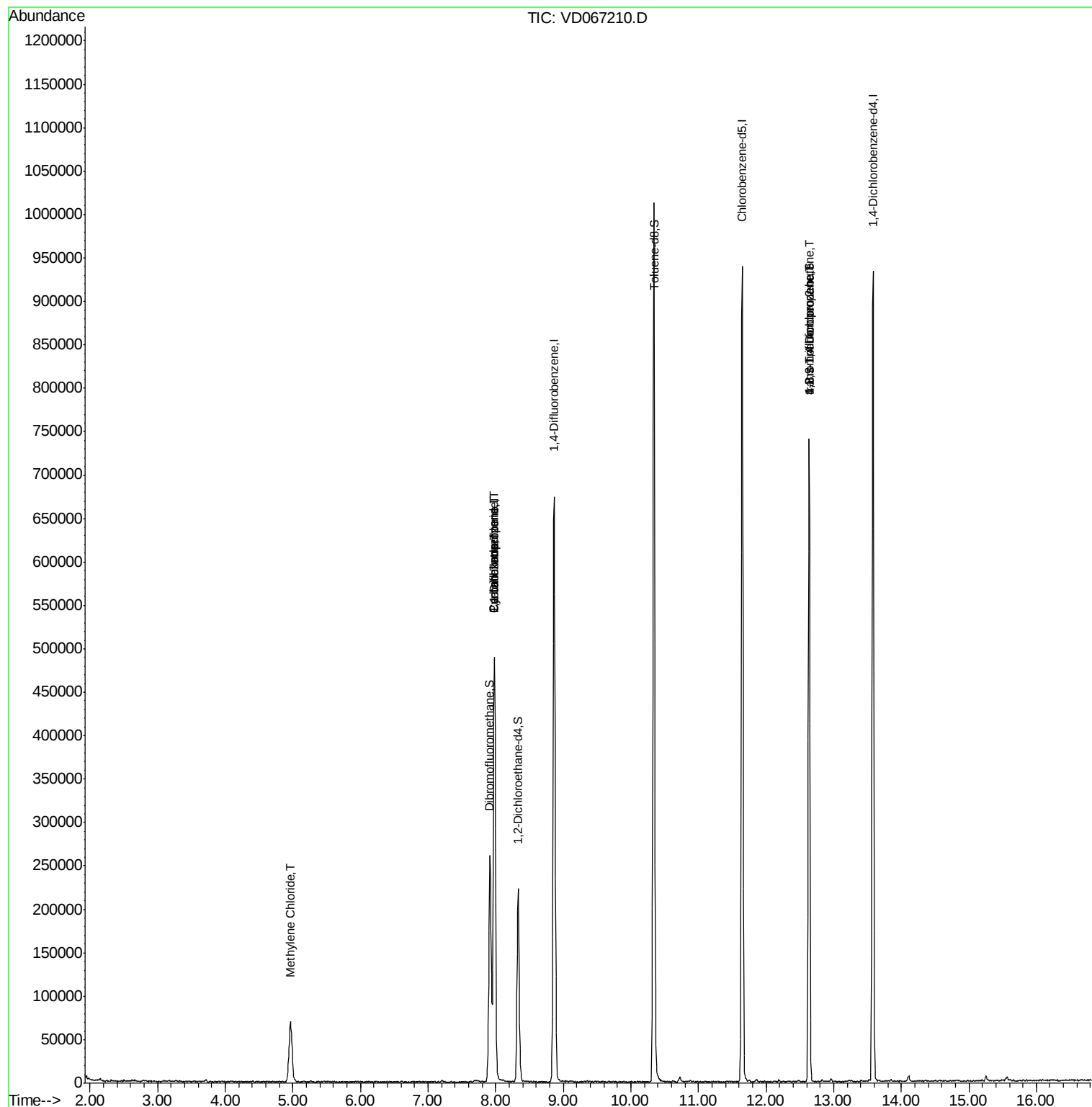
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	764	Below Cal		86
5) Bromomethane	2.77	94	309	Below Cal	#	38
20) Methylene Chloride	4.97	84	57645	8.952	ug/l	96
26) 2,2-Dichloropropane	7.21	77	447	Below Cal	#	53
31) Cyclohexane	7.98	56	7900	1.475	ug/l #	15
36) 1,1-Dichloropropene	7.98	75	25921	4.609	ug/l #	53
38) Carbon Tetrachloride	7.98	117	38321	6.298	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	118150	51.197	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	118150	127.640	ug/l #	12

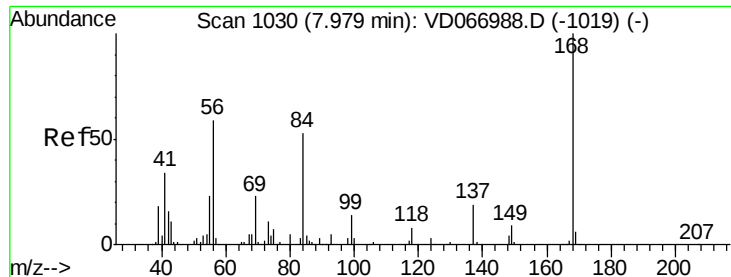
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VD067210.D

Acq: 09 Oct 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

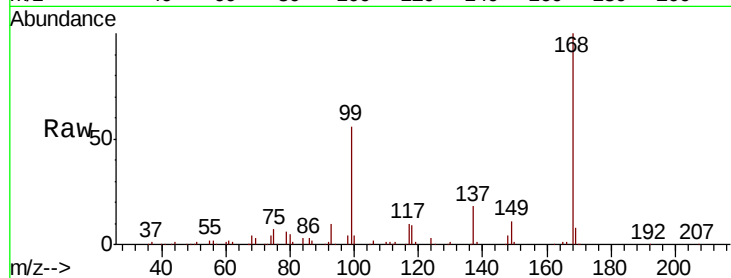
BACKFILL-OFFSITE-3-SO-3

Tot Ion:168 Resp: 370180

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): VDC

7.98

150000

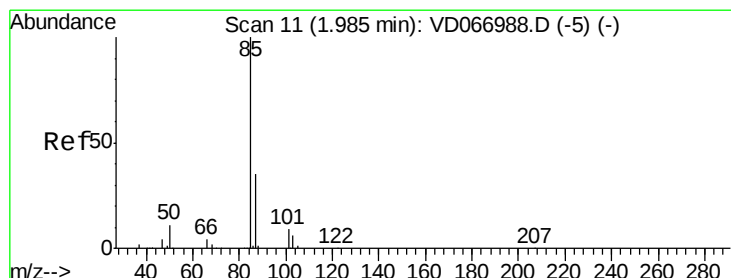
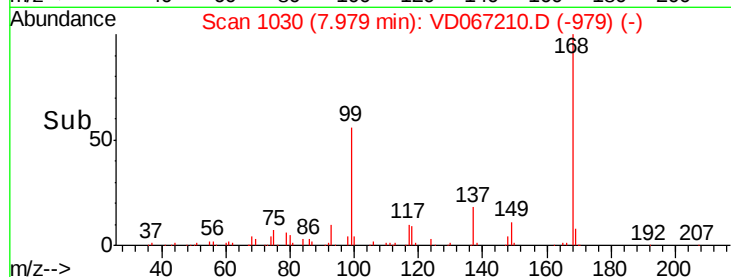
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067210.D

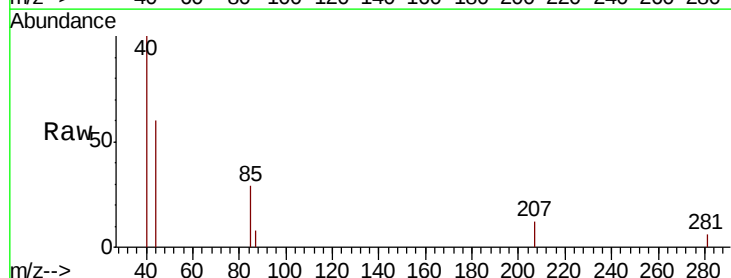
Acq: 09 Oct 2020 14:33

Tgt Ion: 85 Resp: 764

Ion Ratio Lower Upper

85 100

87 26.8 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

800

600

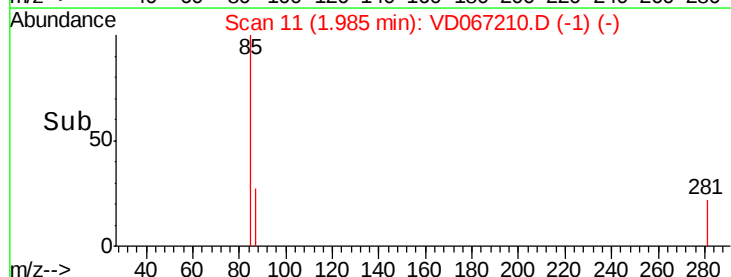
400

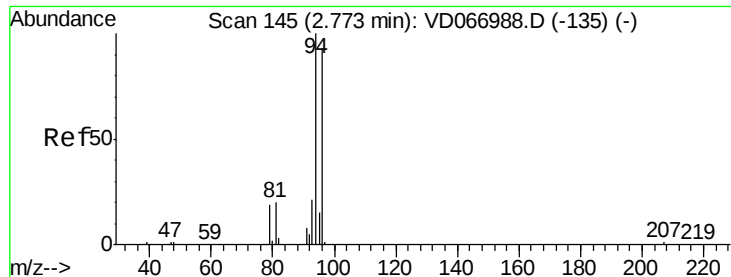
200

0

Time-->

1.96 1.98 2.00 2.02





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067210.D

Acq: 09 Oct 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

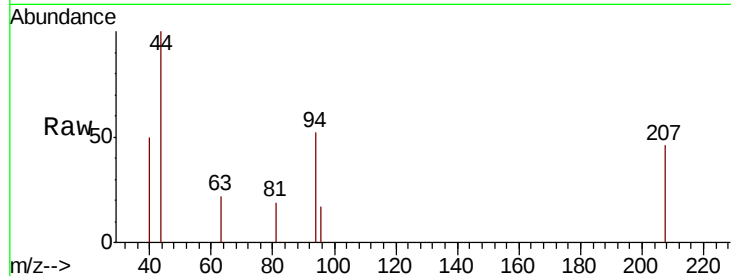
BACKFILL OFFSITE-3-SO-3

Tot Ion: 94 Resp: 309

Ion Ratio Lower Upper

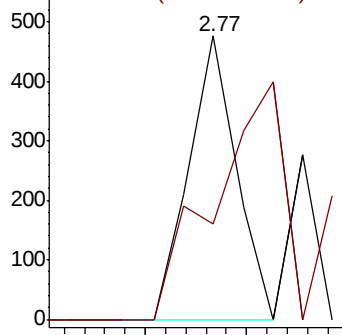
94 100

96 33.6 74.6 112.0#

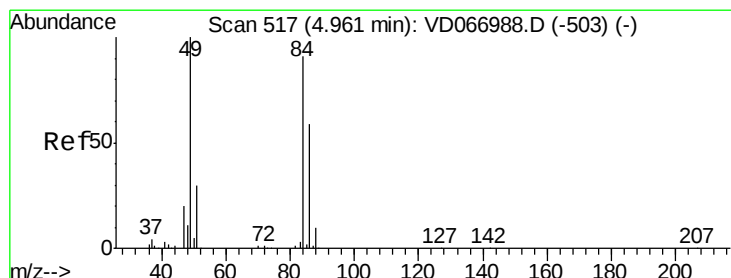
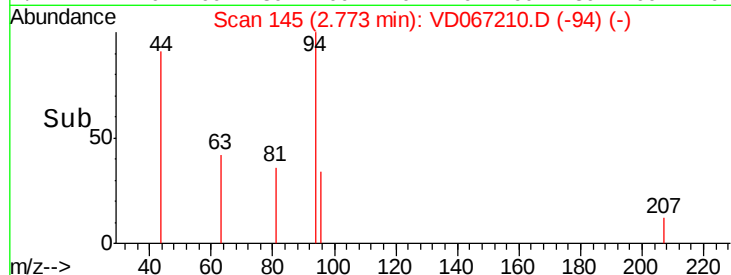


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#20

Methylene Chloride

Concen: 8.952 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067210.D

Acq: 09 Oct 2020 14:33

Tgt Ion: 84 Resp: 57645

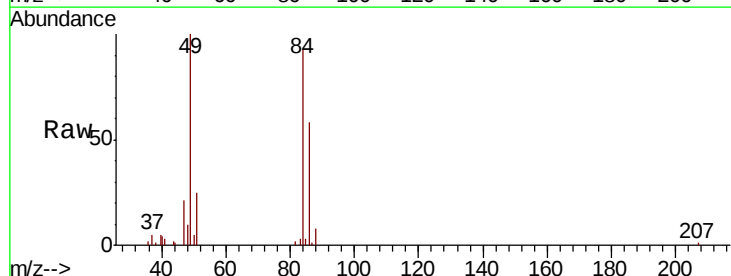
Ion Ratio Lower Upper

84 100

49 107.9 88.2 132.2

51 26.8 26.6 39.8

86 62.4 52.1 78.1

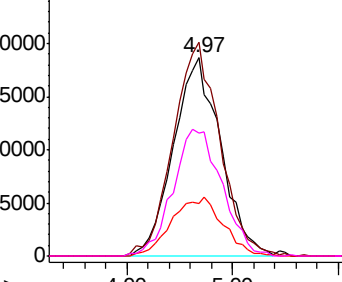


Abundance Ion 83.90 (83.60 to 84.60): VDC

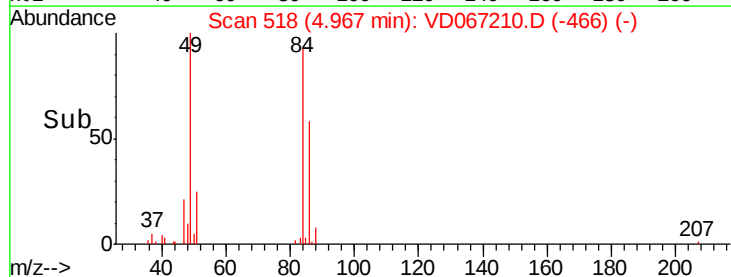
Ion 48.90 (48.60 to 49.60): VDC

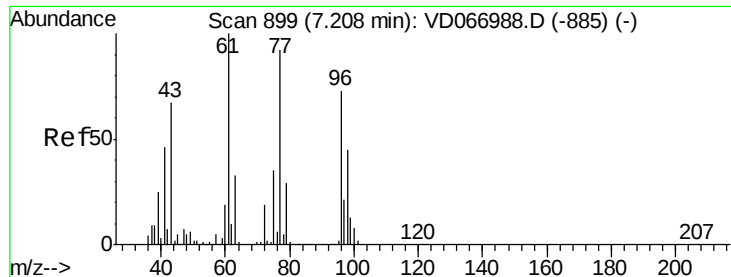
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



Time-->





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067210.D

Acq: 09 Oct 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

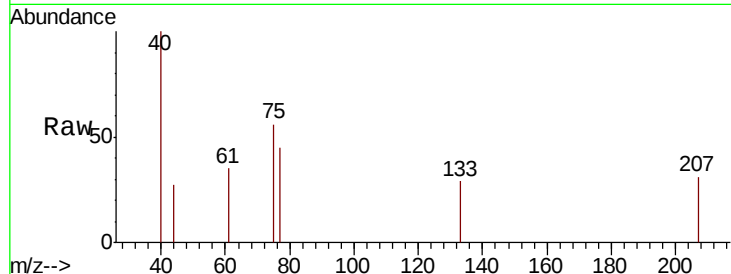
BACKFILL OFFSITE-3-SO-3

Tot Ion: 77 Resp: 447

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

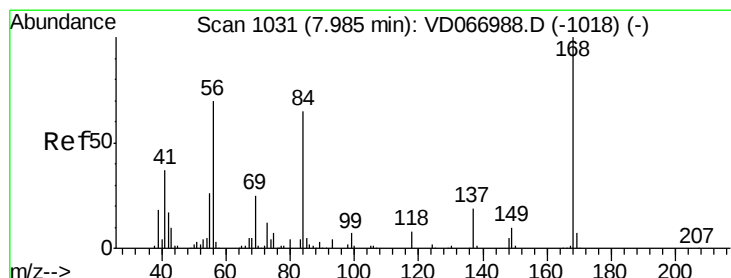
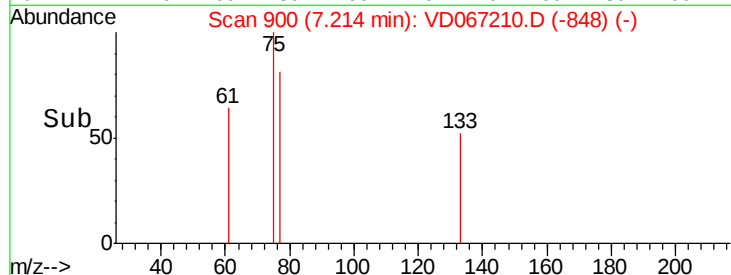
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 1.475 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067210.D

Acq: 09 Oct 2020 14:33

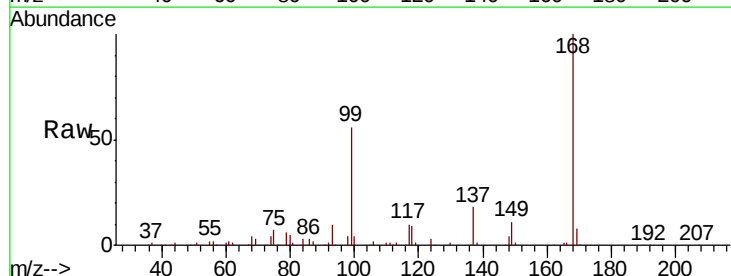
Tgt Ion: 56 Resp: 7900

Ion Ratio Lower Upper

56 100

69 149.0 29.0 43.6#

84 134.0 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

7.98

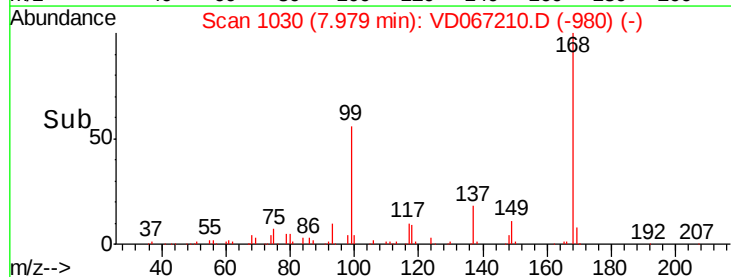
6000

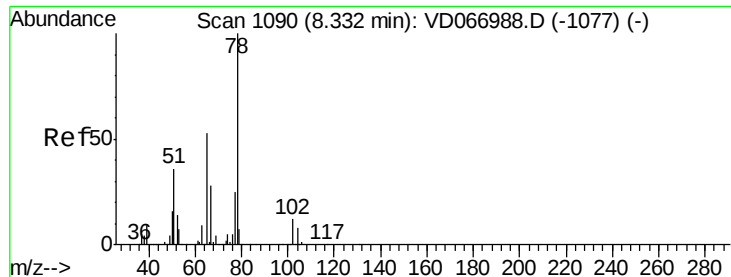
4000

2000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 51.428 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067210.D

Acq: 09 Oct 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

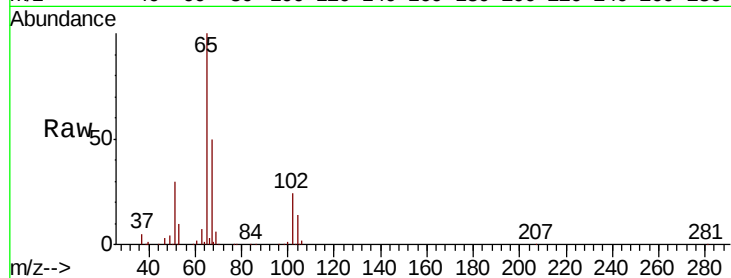
BACKFILL-OFFSITE-3-SO-3

Tot Ion: 65 Resp: 183370

Ion Ratio Lower Upper

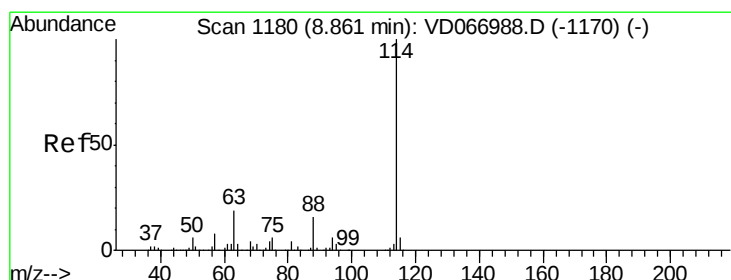
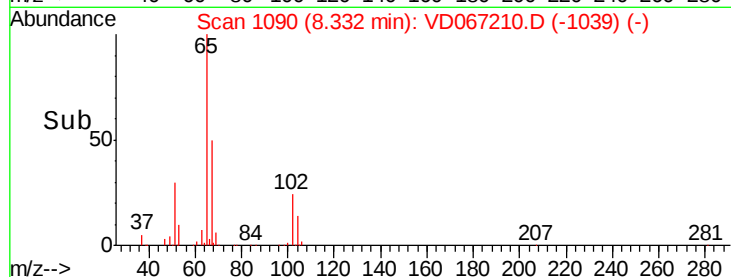
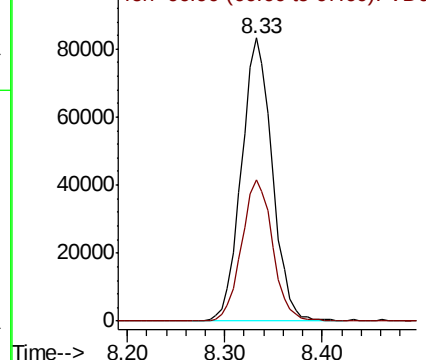
65 100

67 50.2 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: VD067210.D

Acq: 09 Oct 2020 14:33

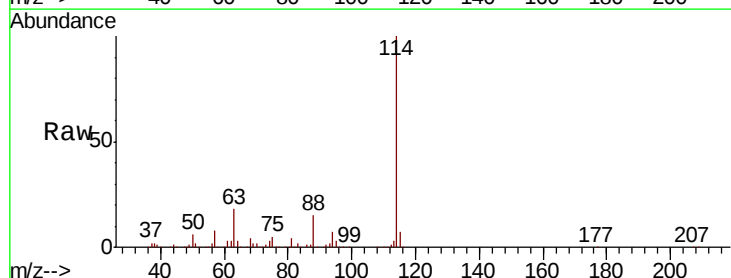
Tgt Ion: 114 Resp: 603307

Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.4

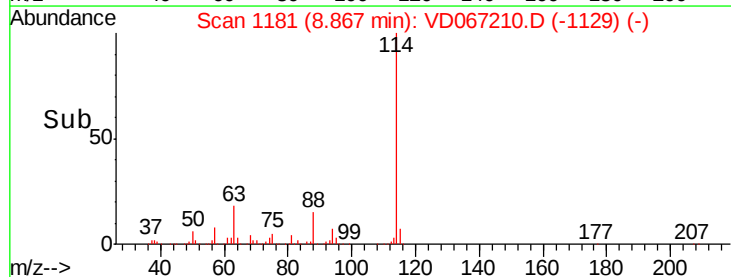
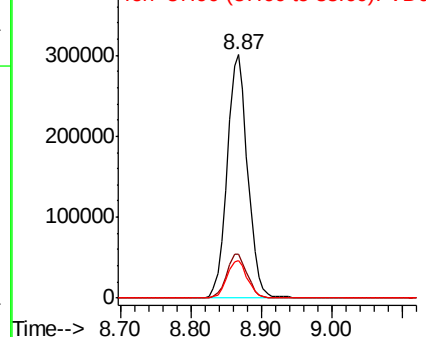
88 15.4 0.0 31.2

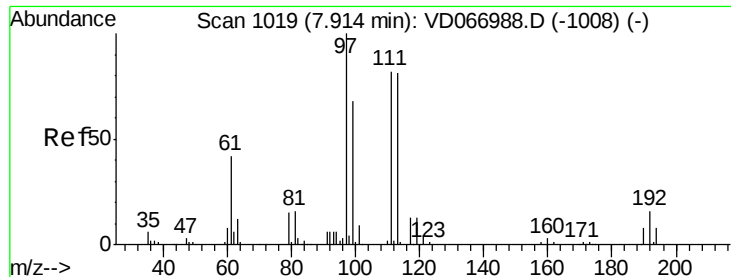


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

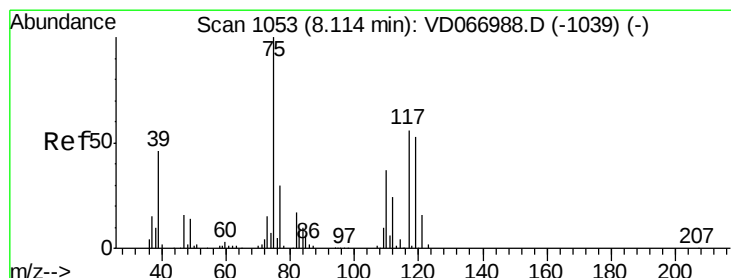
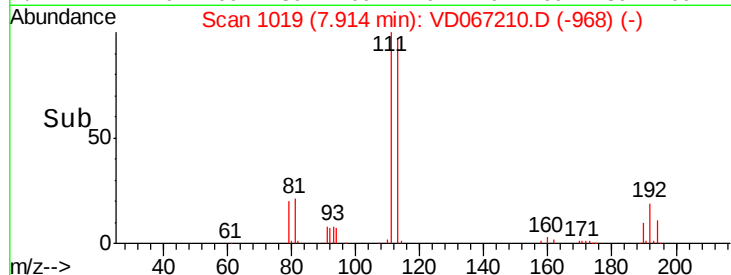
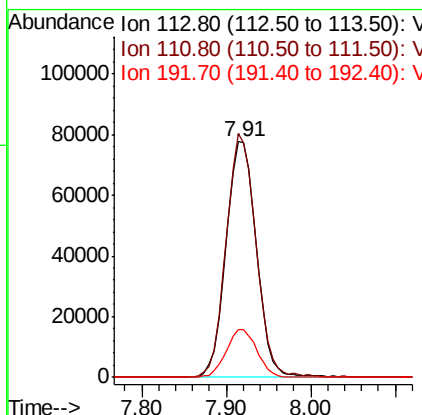
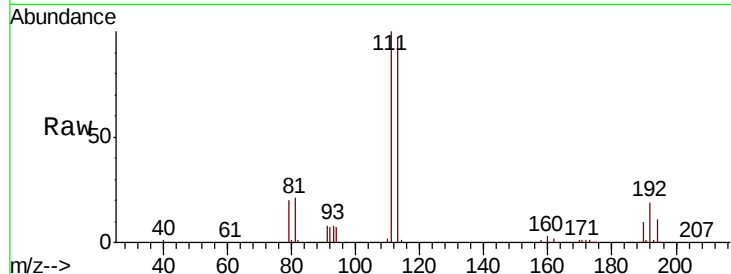




#35
 Dibromofluoromethane
 Concen: 48.578 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067210.D
 Acq: 09 Oct 2020 14:33

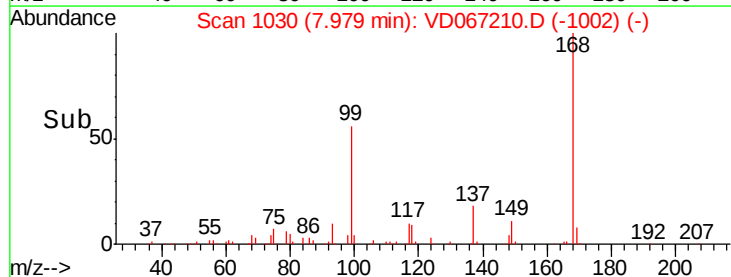
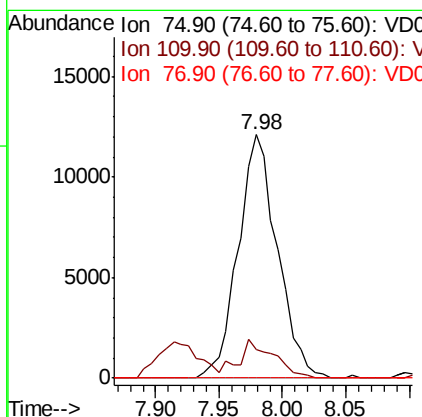
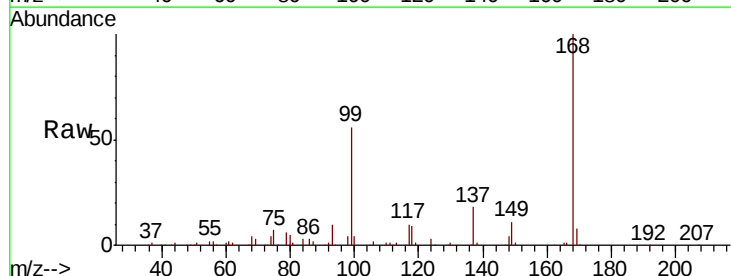
Instrument :
 MSVOA_D
 ClientSampleId :
 BACKFILL-OFFSITE-3-SO-3

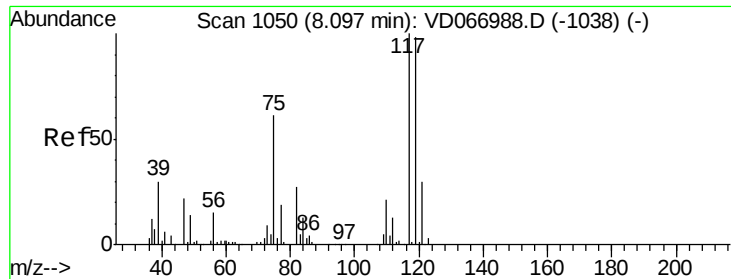
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.0	124.4
192	20.4	15.5	23.3



#36
 1,1-Dichloropropene
 Concen: 4.609 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067210.D
 Acq: 09 Oct 2020 14:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	14.0	18.4	55.0#
77	0.0	24.8	37.2#

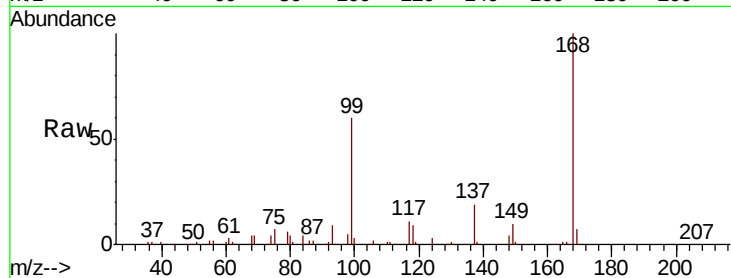




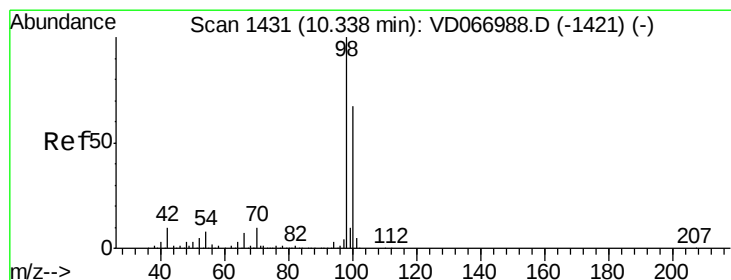
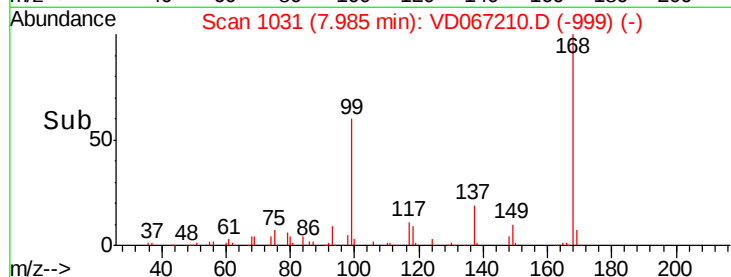
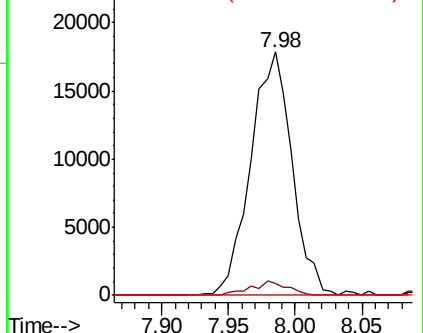
#38
Carbon Tetrachloride
Concen: 6.298 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD067210.D
Acq: 09 Oct 2020 14:33

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

Tot Ion:117 Resp: 38321
Ion Ratio Lower Upper
117 100
119 4.7 78.7 118.1#
121 0.0 24.2 36.2#

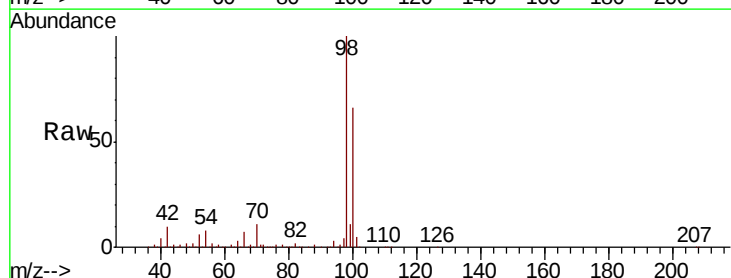


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

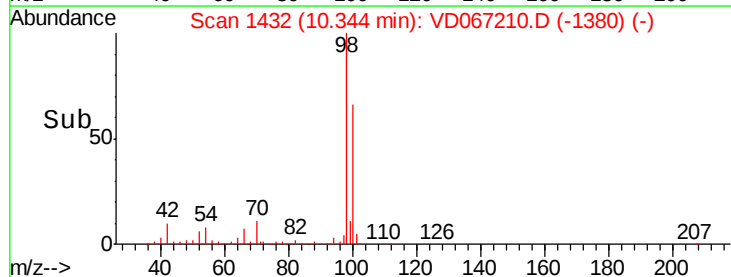
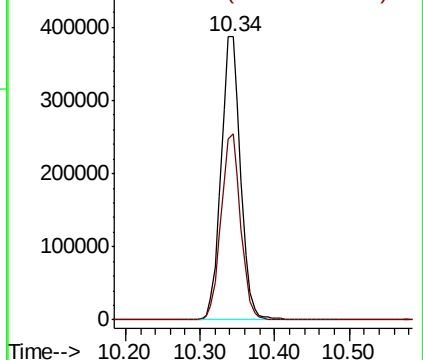


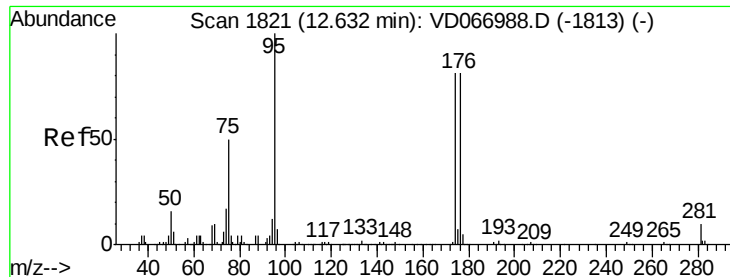
#50
Toluene-d8
Concen: 48.917 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD067210.D
Acq: 09 Oct 2020 14:33

Tgt Ion: 98 Resp: 704027
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

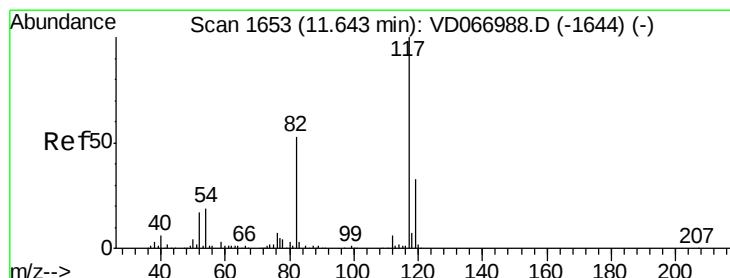
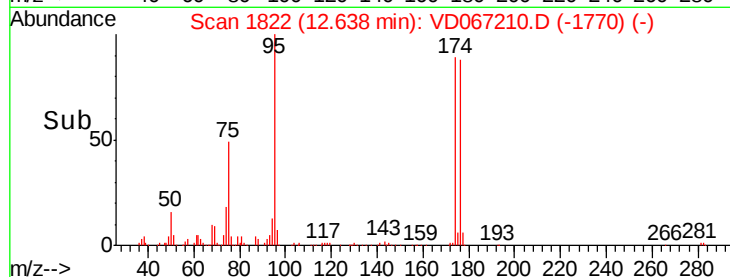
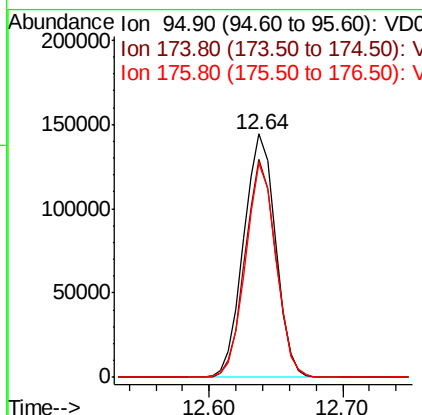
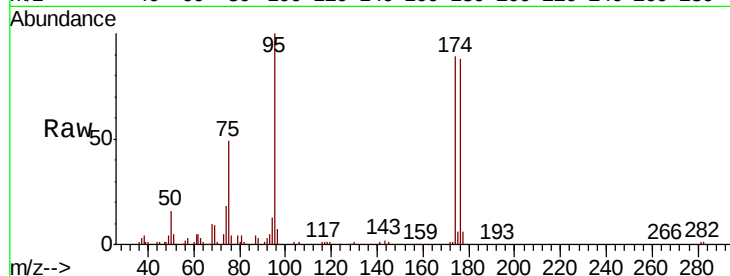




#62
4-Bromofluorobenzene
Concen: 48.743 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067210.D
Acq: 09 Oct 2020 14:33

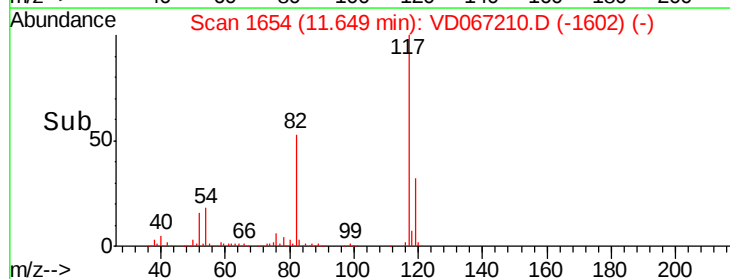
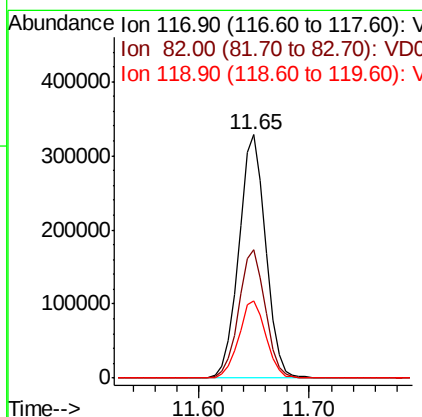
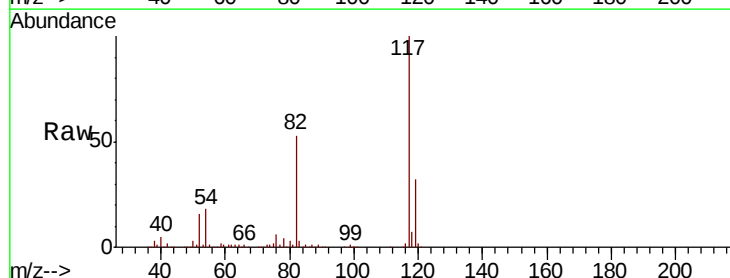
Instrument :
MSVOA_D
ClientSampleId :
BACKFILL-OFFSITE-3-SO-3

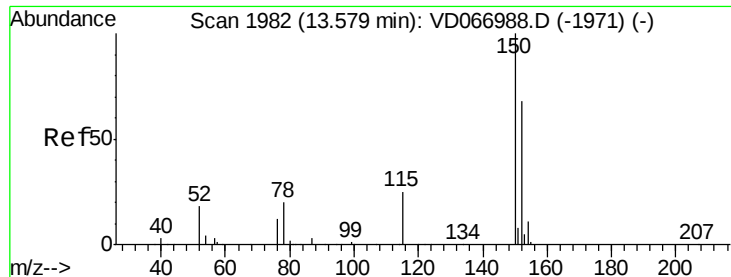
Tot Ion	Ratio	Lower	Upper
95	100		
174	86.0	0.0	167.6
176	83.7	0.0	162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067210.D
Acq: 09 Oct 2020 14:33

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.6	63.8
119	31.7	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: VD067210.D

Acq: 09 Oct 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

BACKFILL OFFSITE-3-SO-3

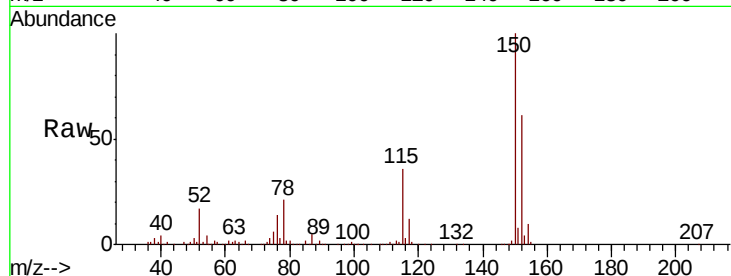
Tot Ion: 152 Resp: 264946

Ion Ratio Lower Upper

152 100

115 58.9 29.6 88.8

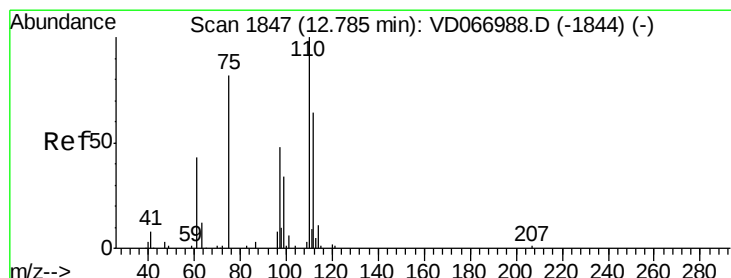
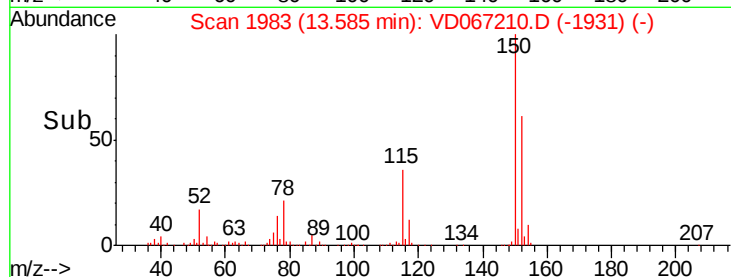
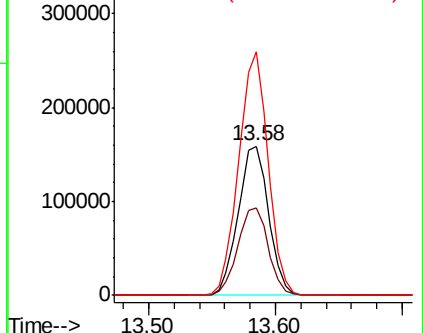
150 157.2 0.0 344.8



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: 51.197 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067210.D

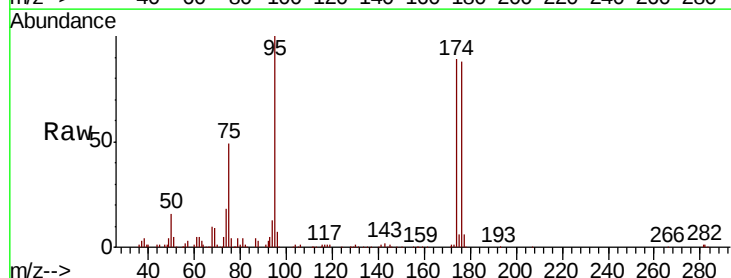
Acq: 09 Oct 2020 14:33

Tgt Ion: 75 Resp: 118150

Ion Ratio Lower Upper

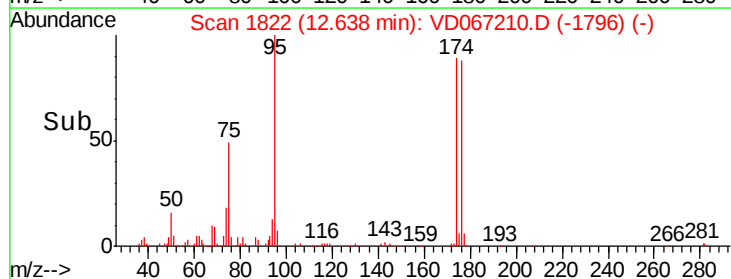
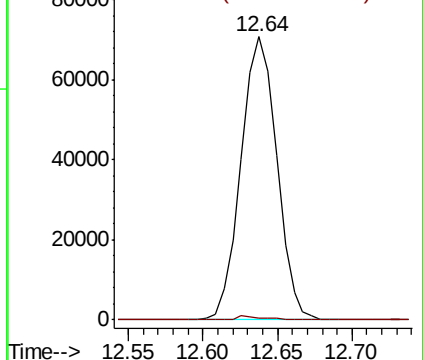
75 100

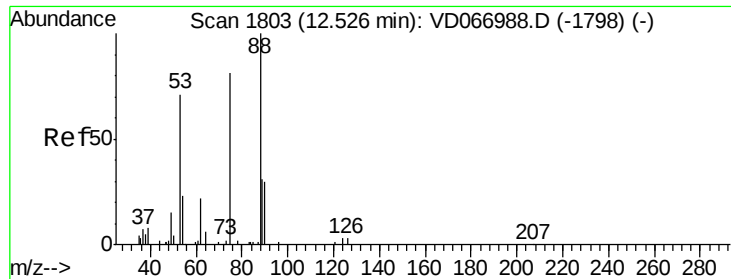
77 1.2 0.0 0.0#



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: 127.640 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067210.D

Acq: 09 Oct 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

BACKFILL OFFSITE-3-SO-3

Tot Ion: 75 Resp: 118150

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 38.9 58.3#

