

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100920\
 Data File : VD067208.D
 Acq On : 09 Oct 2020 13:38
 Operator : VA/SY
 Sample : L4342-06
 Misc : 7.38G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BACKFILL OFFSITE-1-SO-1

Quant Time: Oct 09 23:45:55 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	382547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	605904	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	563042	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	271246	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	187151	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
35) Dibromofluoromethane	7.92	113	192992	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
50) Toluene-d8	10.34	98	702435	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
62) 4-Bromofluorobenzene	12.64	95	236883	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	

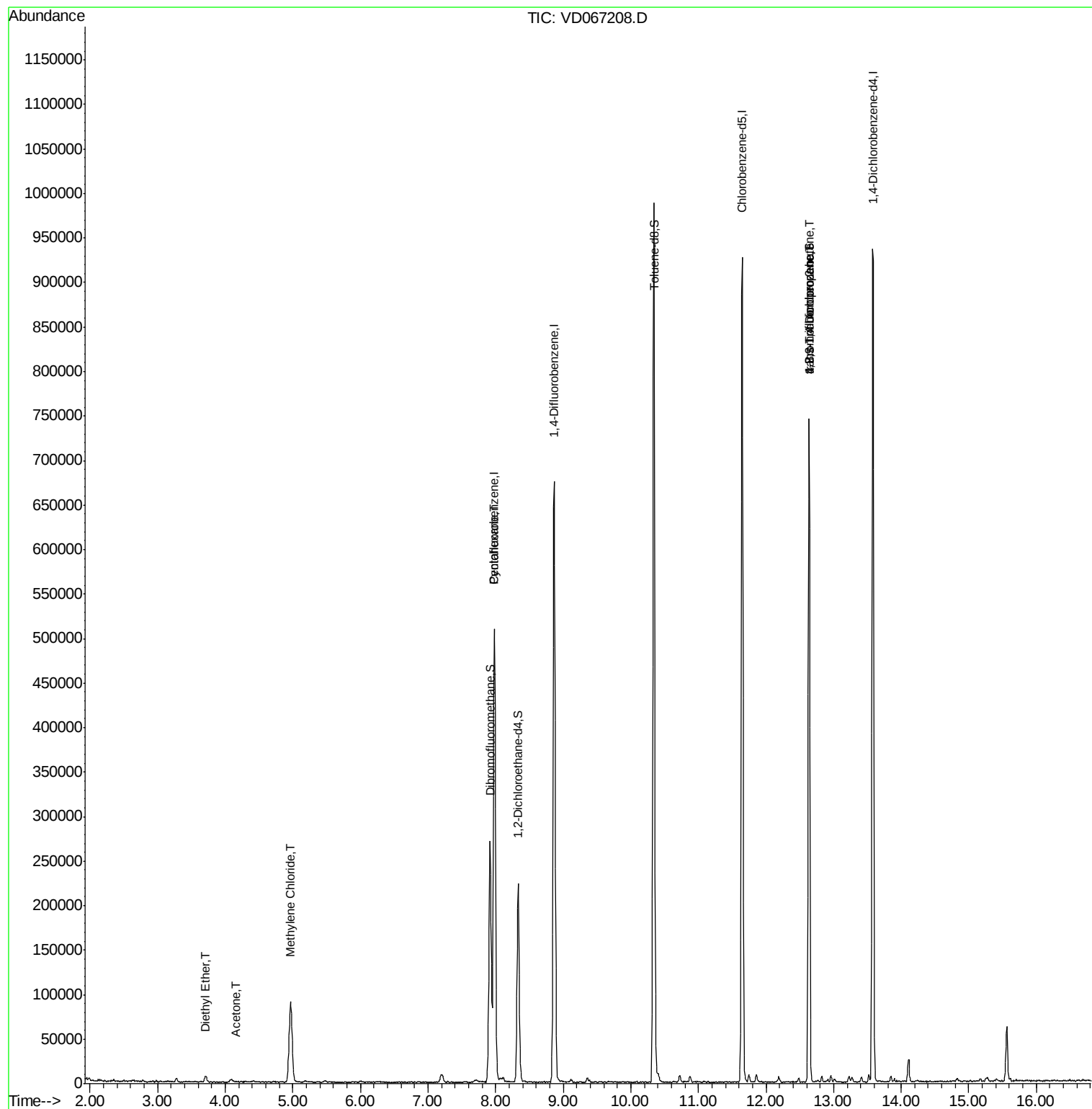
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1322	Below Cal		99
5) Bromomethane	2.78	94	980	Below Cal	#	34
8) Diethyl Ether	3.70	74	2469	1.467	ug/l #	50
11) Tert butyl alcohol	5.21	59	1007	Below Cal	#	72
16) Acetone	4.16	43	756	1.344	ug/l #	42
20) Methylene Chloride	4.97	84	76590	13.942	ug/l	95
26) 2,2-Dichloropropane	7.20	77	1589	Below Cal	#	73
31) Cyclohexane	7.98	56	8749	1.581	ug/l #	56
76) 1,2,3-Trichloropropane	12.64	75	121350	51.362	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	121350	128.052	ug/l #	12

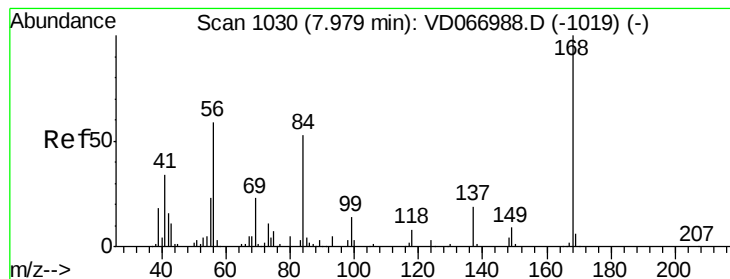
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100920\
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BACKFILL OFFSITE-1-SO-1

Quant Time: Oct 09 23:45:55 2020
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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: VD067208.D

Acq: 09 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

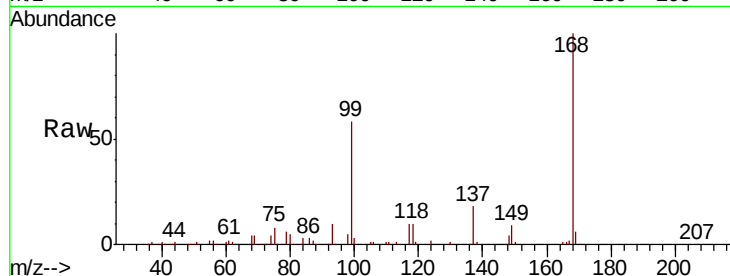
BACKFILL OFFSITE-1-SO-1

Tot Ion:168 Resp: 382547

Ion Ratio Lower Upper

168 100

99 57.5 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

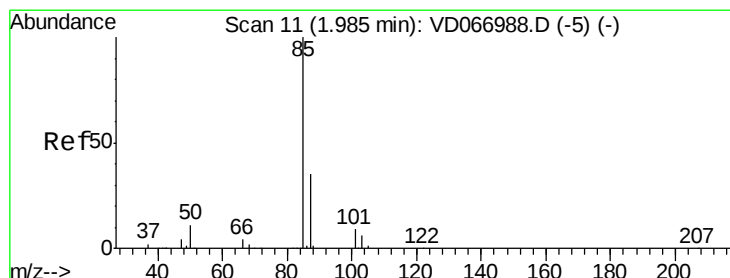
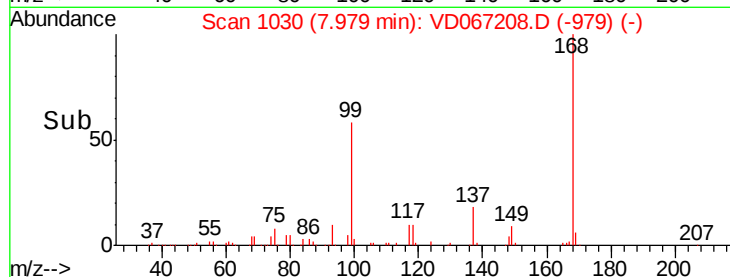
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067208.D

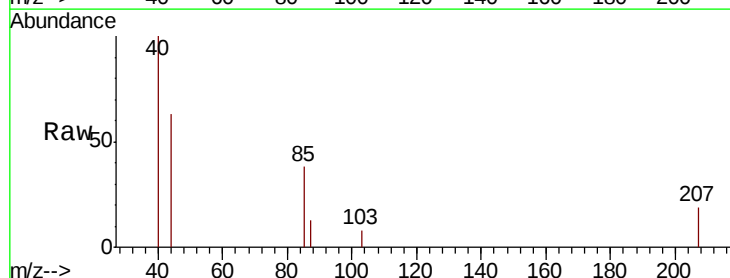
Acq: 09 Oct 2020 13:38

Tgt Ion: 85 Resp: 1322

Ion Ratio Lower Upper

85 100

87 34.4 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

1000

800

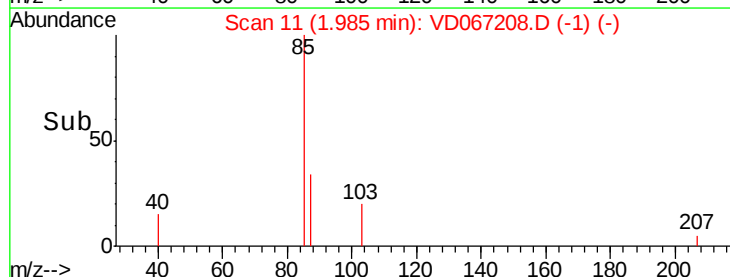
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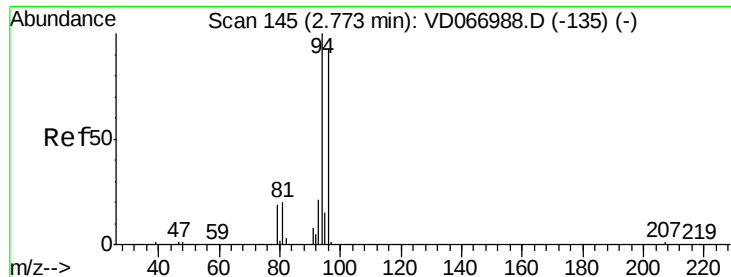
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067208.D

Acq: 09 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

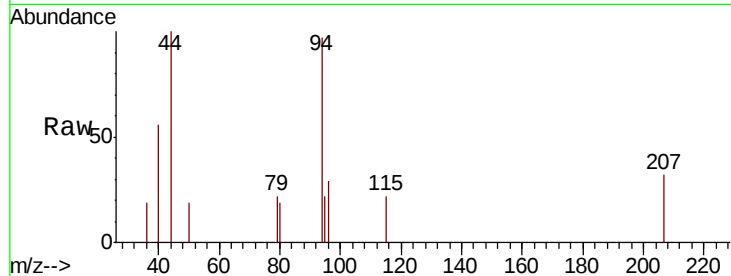
BACKFILL-OFFSITE-1-SO-1

Tot Ion: 94 Resp: 980

Ion Ratio Lower Upper

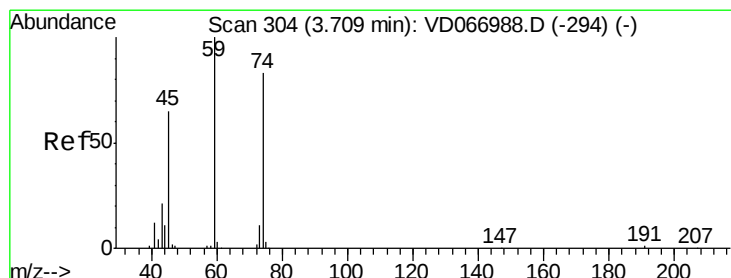
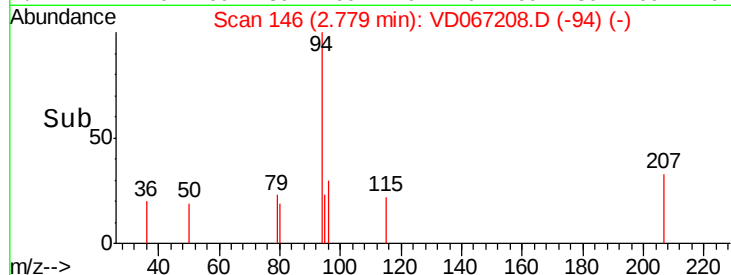
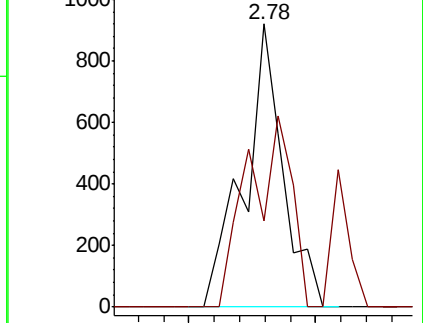
94 100

96 30.3 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#8

Diethyl Ether

Concen: 1.467 ug/l

RT: 3.70 min Scan# 302

Delta R.T. -0.01 min

Lab File: VD067208.D

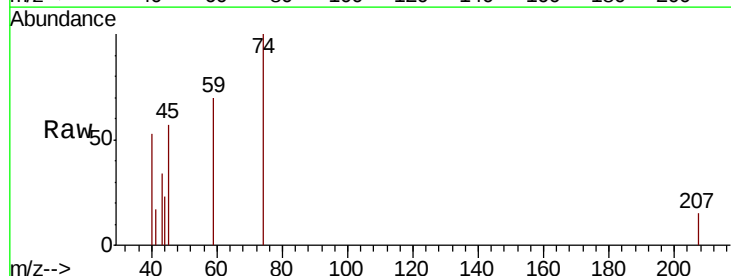
Acq: 09 Oct 2020 13:38

Tgt Ion: 74 Resp: 2469

Ion Ratio Lower Upper

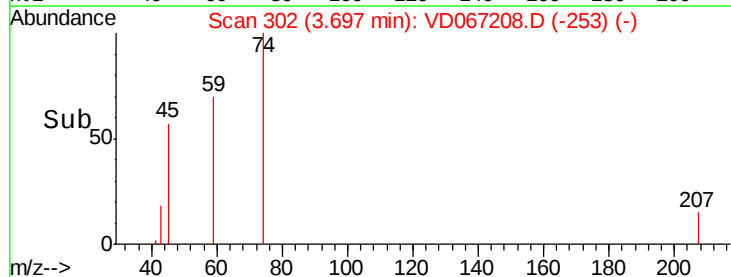
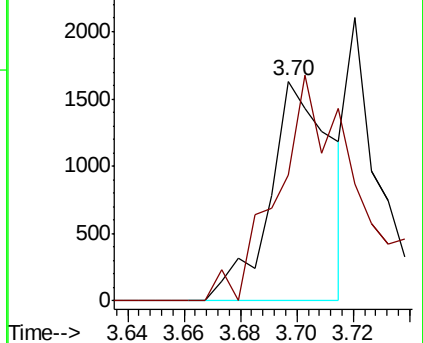
74 100

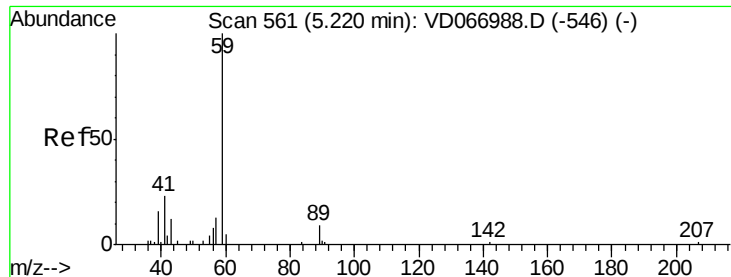
45 132.5 43.1 129.3#



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



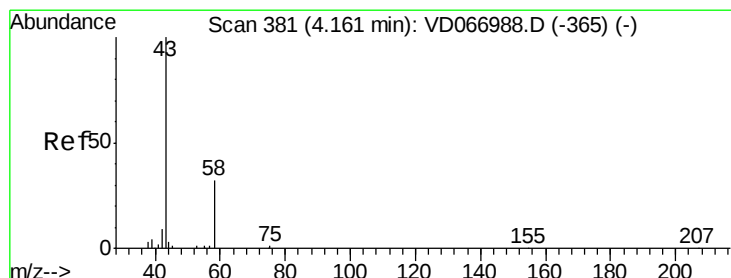
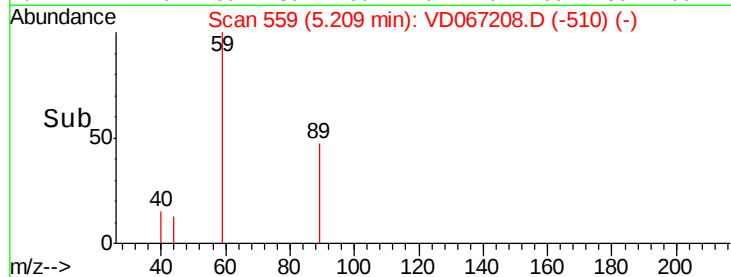
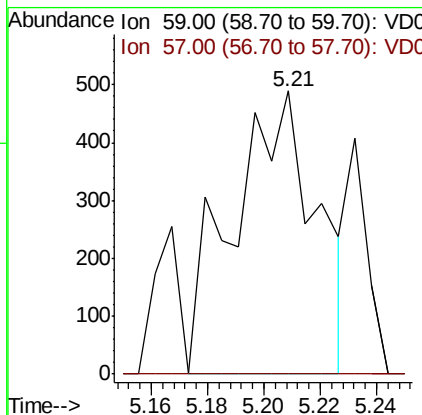
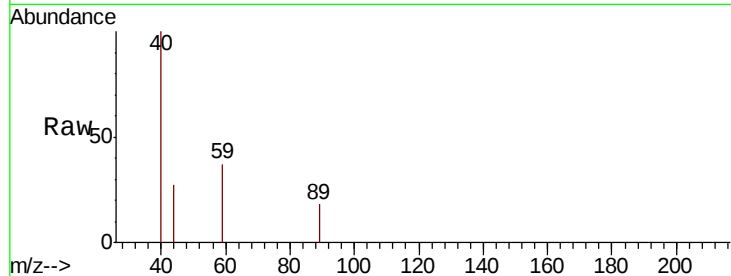


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD067208.D
 Acq: 09 Oct 2020 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 BACKFILL OFFSITE-1-SO-1

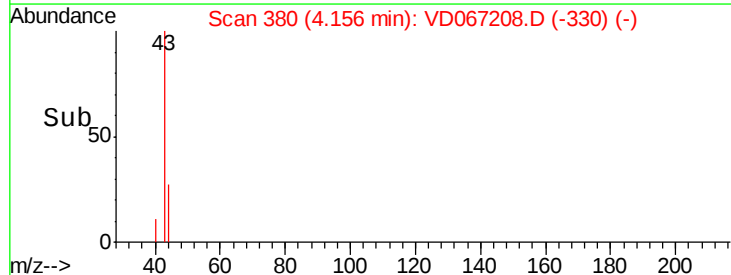
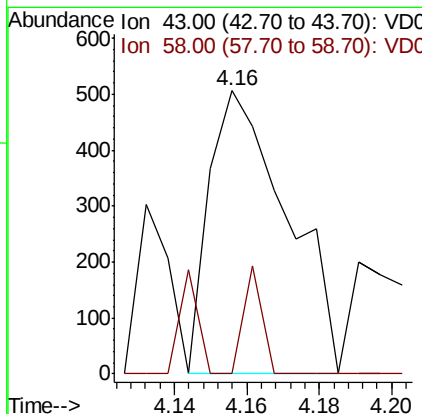
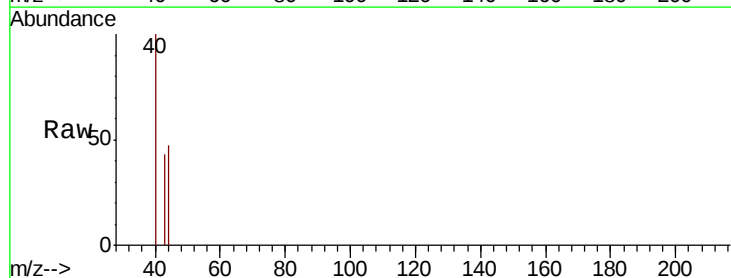
Tot Ion: 59 Resp: 1007
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

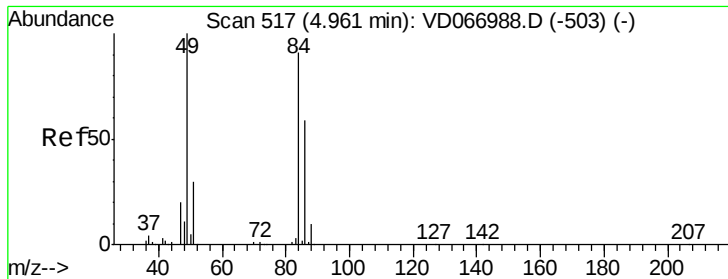


#16

Acetone
 Concen: 1.344 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.01 min
 Lab File: VD067208.D
 Acq: 09 Oct 2020 13:38

Tgt Ion: 43 Resp: 756
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.9 38.9#

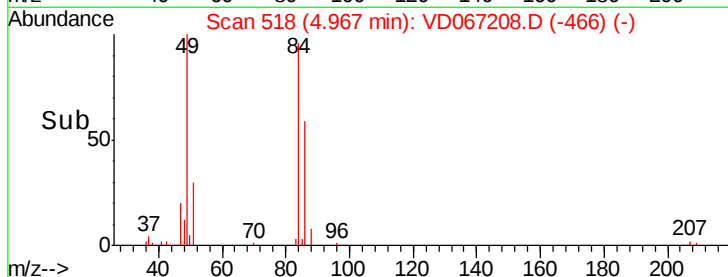
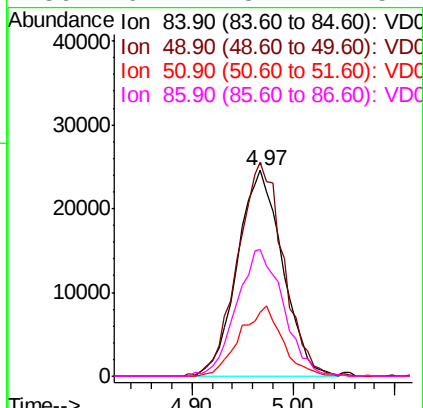
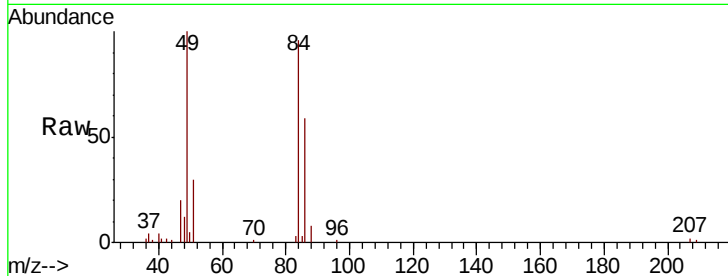




#20
Methvlene Chloride
Concen: 13.942 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067208.D
Acq: 09 Oct 2020 13:38

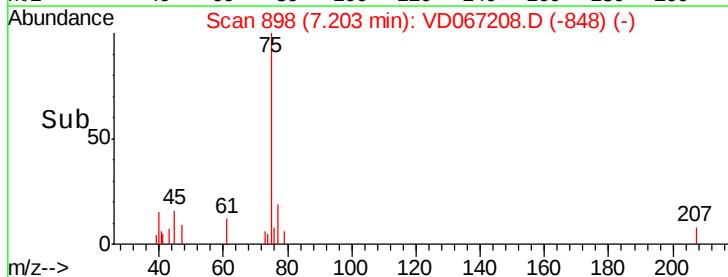
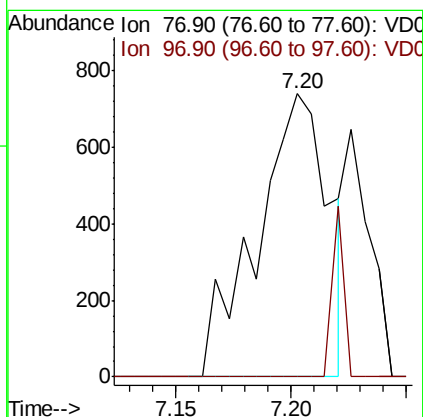
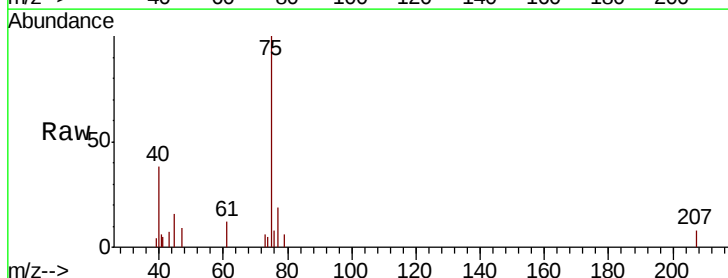
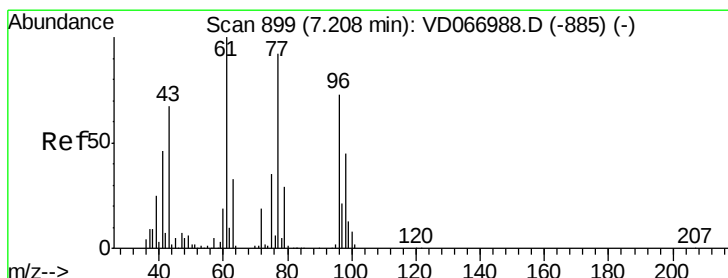
Instrument :
MSVOA_D
ClientSampleId :
BACKFILL0FFSITE-1-SO-1

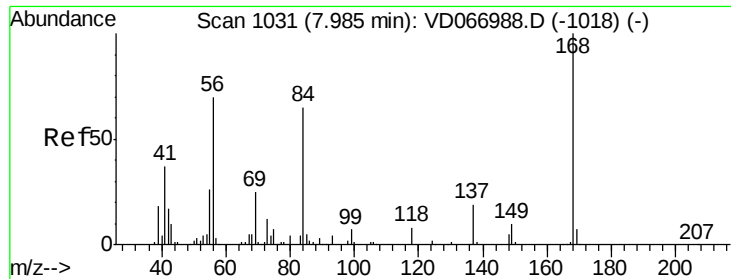
Tot Ion:	84	Resp:	76590
Ion	Ratio	Lower	Upper
84	100		
49	103.7	88.2	132.2
51	31.1	26.6	39.8
86	61.4	52.1	78.1



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD067208.D
Acq: 09 Oct 2020 13:38

Tgt Ion:	77	Resp:	1589
Ion	Ratio	Lower	Upper
77	100		
97	9.9	11.4	34.2#

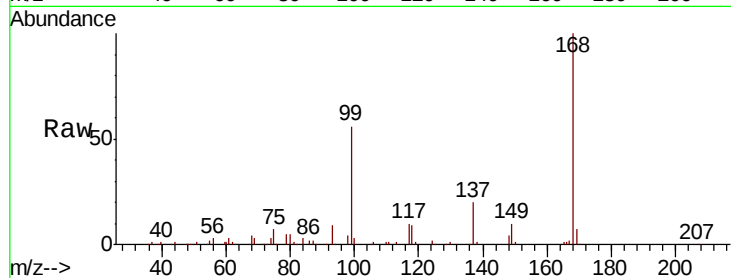




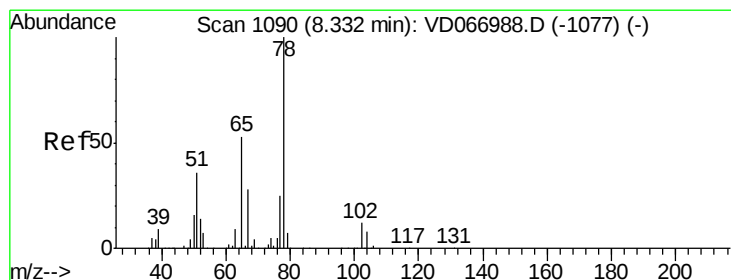
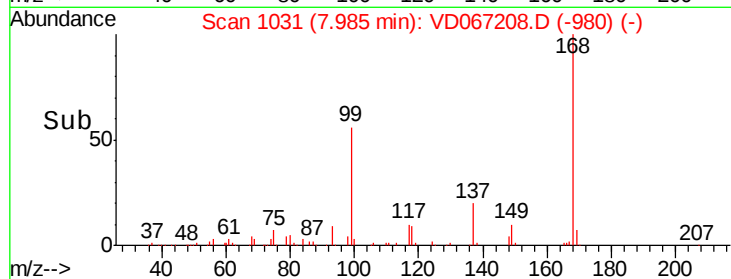
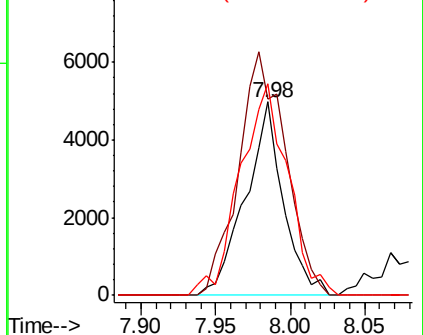
#31
Cyclohexane
Concen: 1.581 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067208.D
Acq: 09 Oct 2020 13:38

Instrument :
MSVOA_D
ClientSampleId :
BACKFILL-OFFSITE-1-SO-1

Tot Ion: 56 Resp: 8749
Ion Ratio Lower Upper
56 100
69 101.3 29.0 43.6#
84 109.7 74.2 111.2

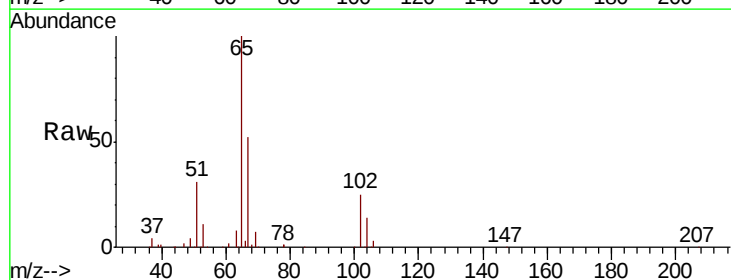


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

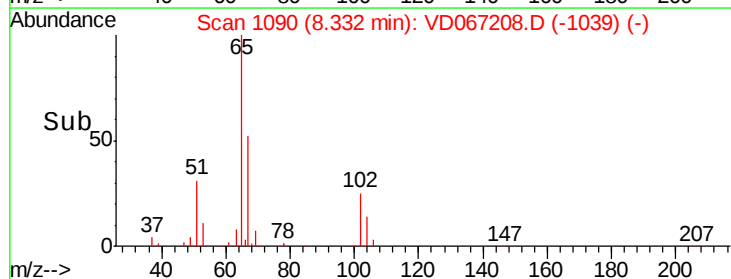
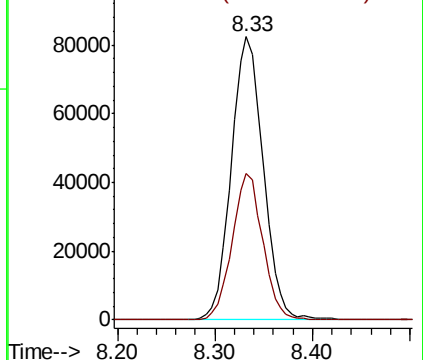


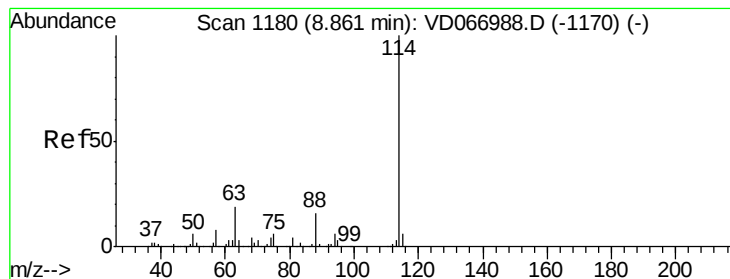
#33
1,2-Dichloroethane-d4
Concen: 50.792 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067208.D
Acq: 09 Oct 2020 13:38

Tgt Ion: 65 Resp: 187151
Ion Ratio Lower Upper
65 100
67 49.4 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: VD067208.D

Acq: 09 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

BACKFILL OFFSITE-1-SO-1

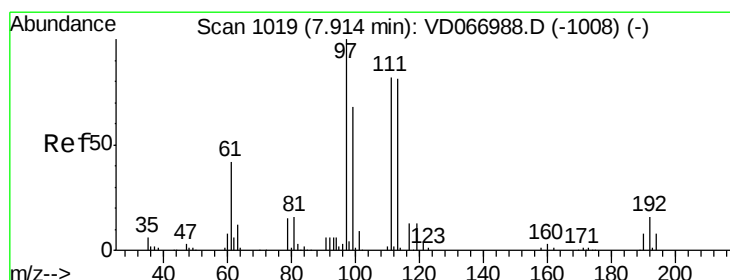
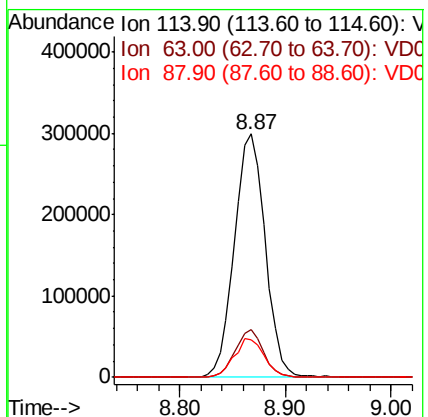
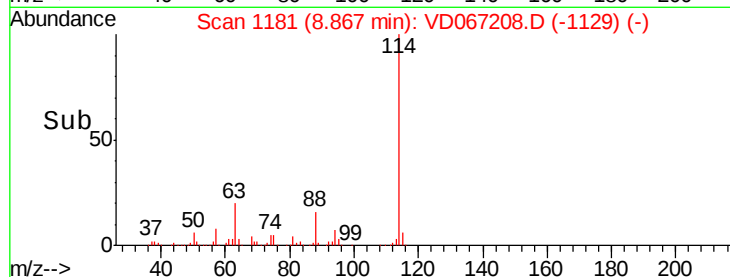
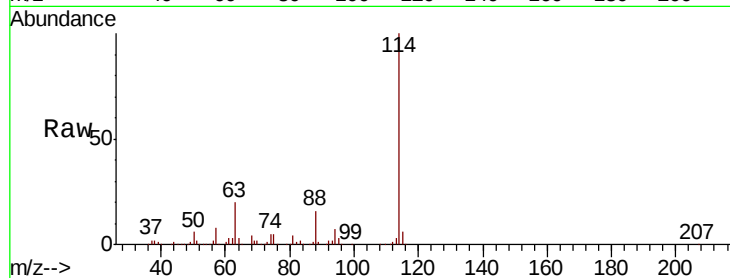
Tot Ion:114 Resp: 605904

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.4

88 15.7 0.0 31.2



#35

Dibromofluoromethane

Concen: 48.653 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067208.D

Acq: 09 Oct 2020 13:38

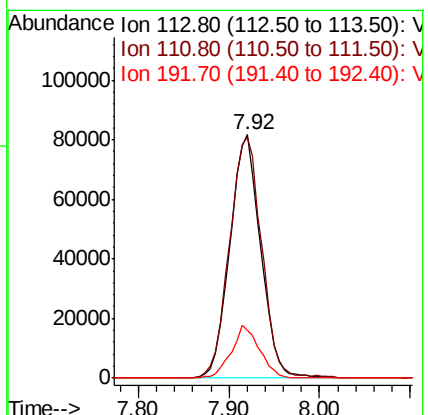
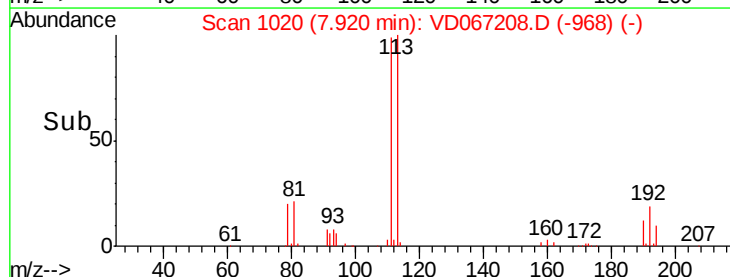
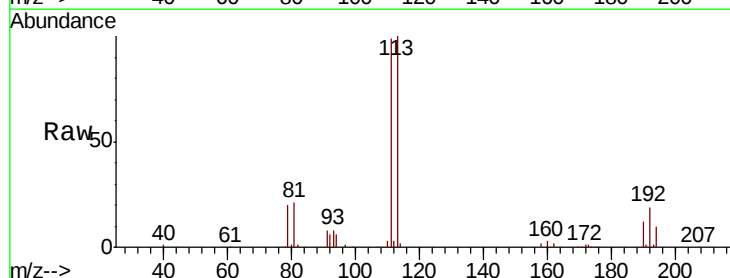
Tgt Ion:113 Resp: 192992

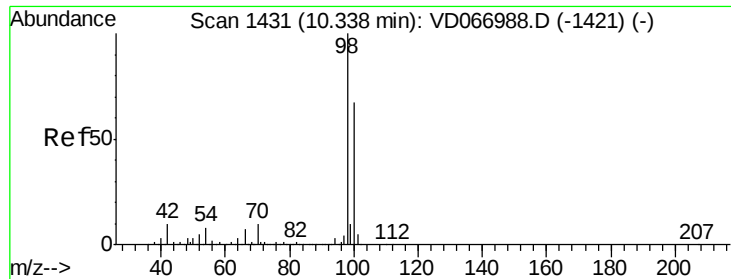
Ion Ratio Lower Upper

113 100

111 103.9 83.0 124.4

192 19.9 15.5 23.3

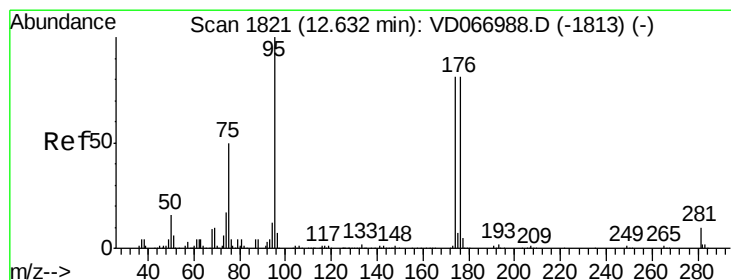
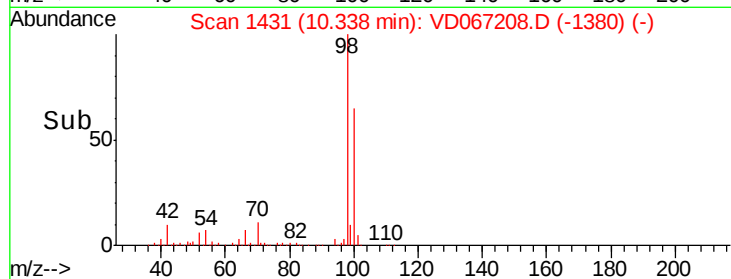
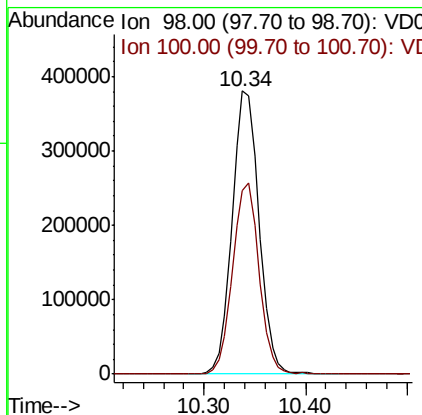
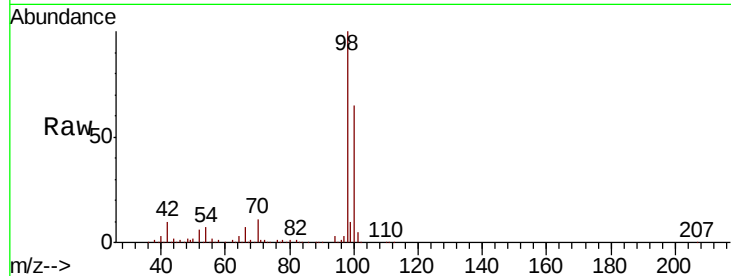




#50
Toluene-d8
Concen: 48.597 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067208.D
Acq: 09 Oct 2020 13:38

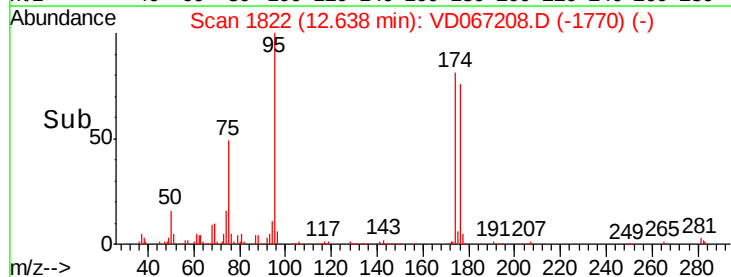
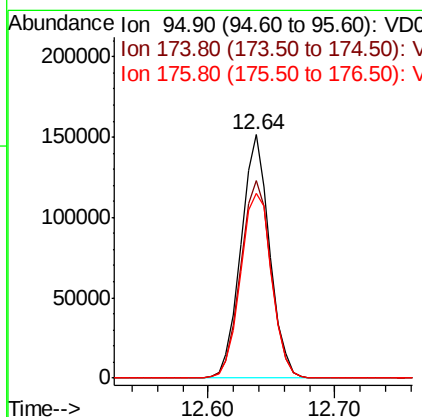
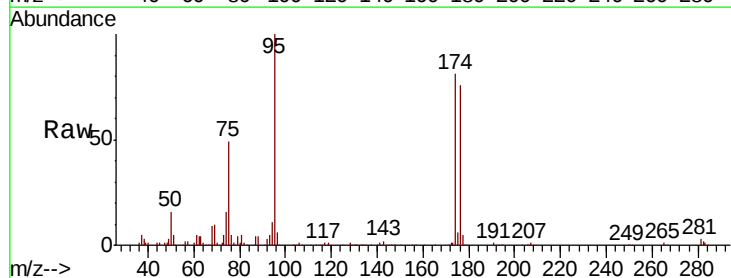
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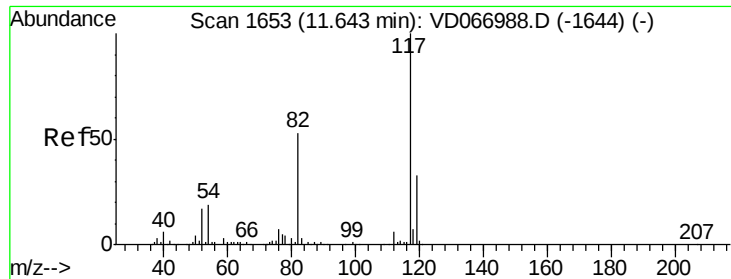
Tot Ion: 98 Resp: 702435
Ion Ratio Lower Upper
98 100
100 66.4 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 48.275 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067208.D
Acq: 09 Oct 2020 13:38

Tgt Ion: 95 Resp: 236883
Ion Ratio Lower Upper
95 100
174 86.1 0.0 167.6
176 82.7 0.0 162.4

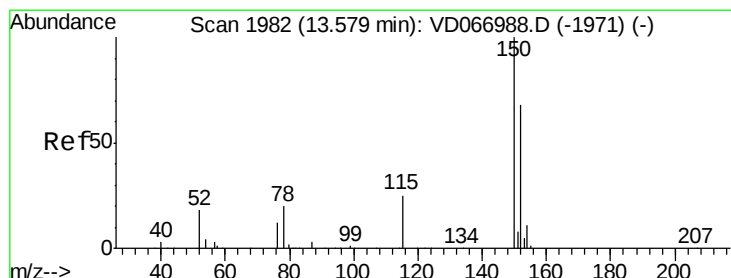
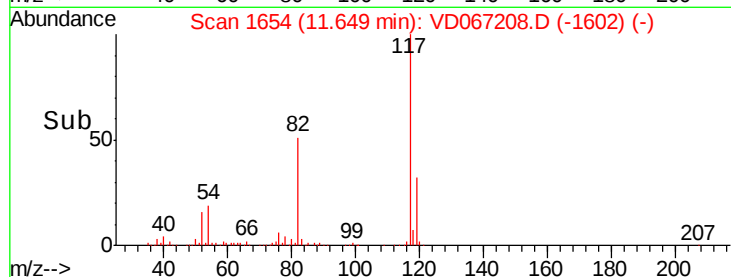
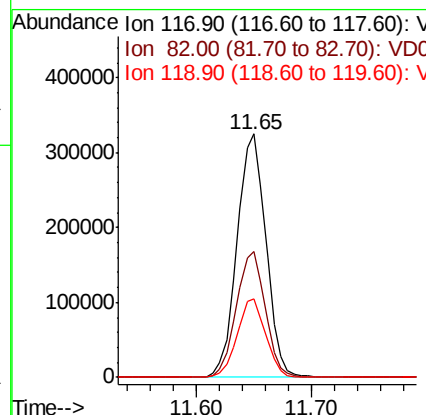
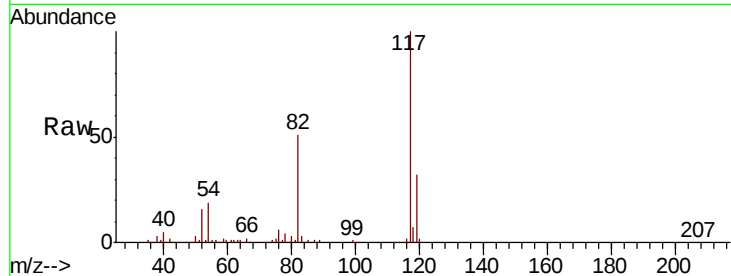




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067208.D
Acq: 09 Oct 2020 13:38

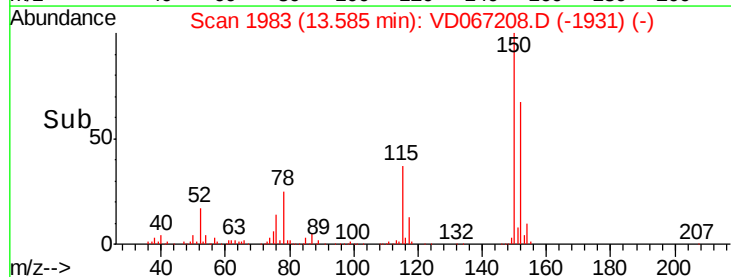
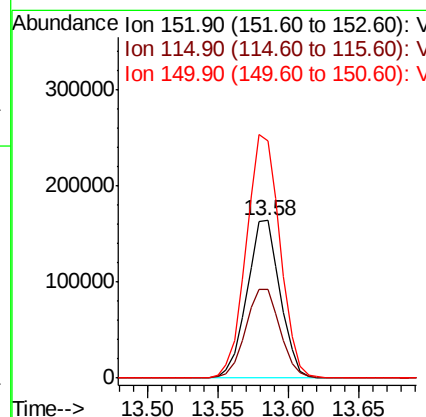
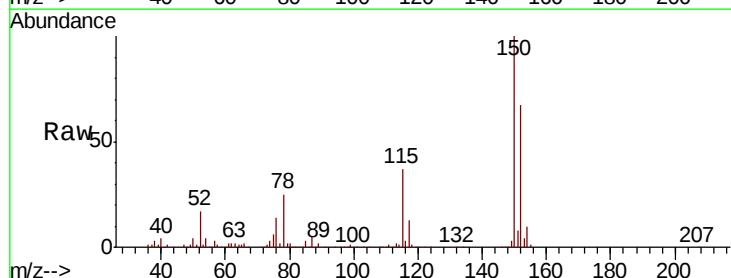
Instrument :
MSVOA_D
ClientSampleId :
BACKFILL-OFFSITE-1-SO-1

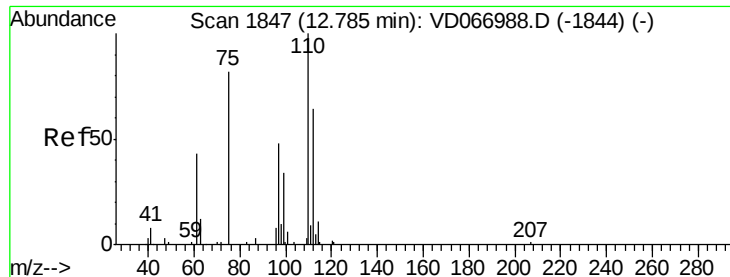
Tot Ion:117 Resp: 563042
Ion Ratio Lower Upper
117 100
82 51.5 42.6 63.8
119 32.1 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD067208.D
Acq: 09 Oct 2020 13:38

Tgt Ion:152 Resp: 271246
Ion Ratio Lower Upper
152 100
115 58.7 29.6 88.8
150 156.6 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 51.362 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067208.D

Acq: 09 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

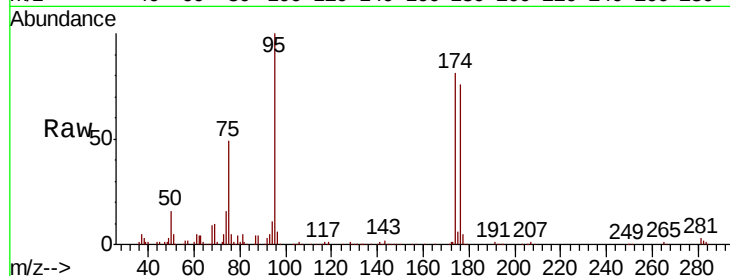
BACKFILL OFFSITE-1-SO-1

Tot Ion: 75 Resp: 121350

Ion Ratio Lower Upper

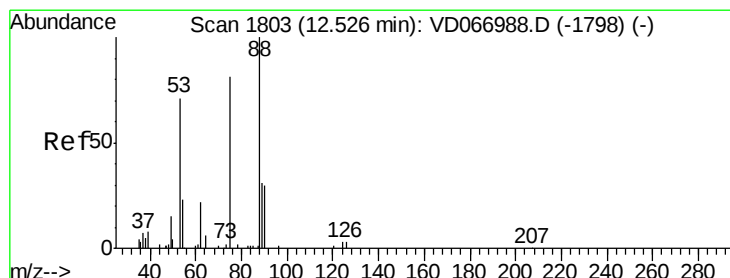
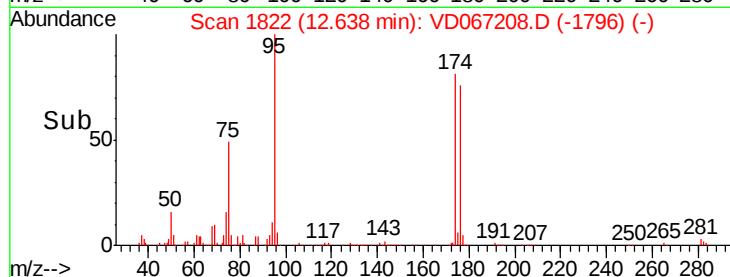
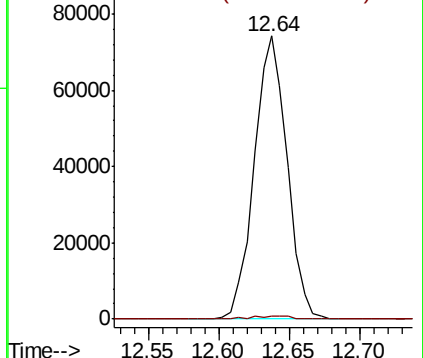
75 100

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: 128.052 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067208.D

Acq: 09 Oct 2020 13:38

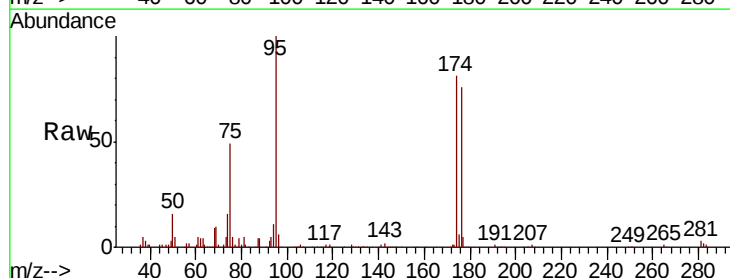
Tgt Ion: 75 Resp: 121350

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

