

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100920\
 Data File : VD067209.D
 Acq On : 09 Oct 2020 14:06
 Operator : VA/SY
 Sample : L4342-07
 Misc : 6.28G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BACKFILL OFFSITE-2-SO-2

Quant Time: Oct 09 23:46:07 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

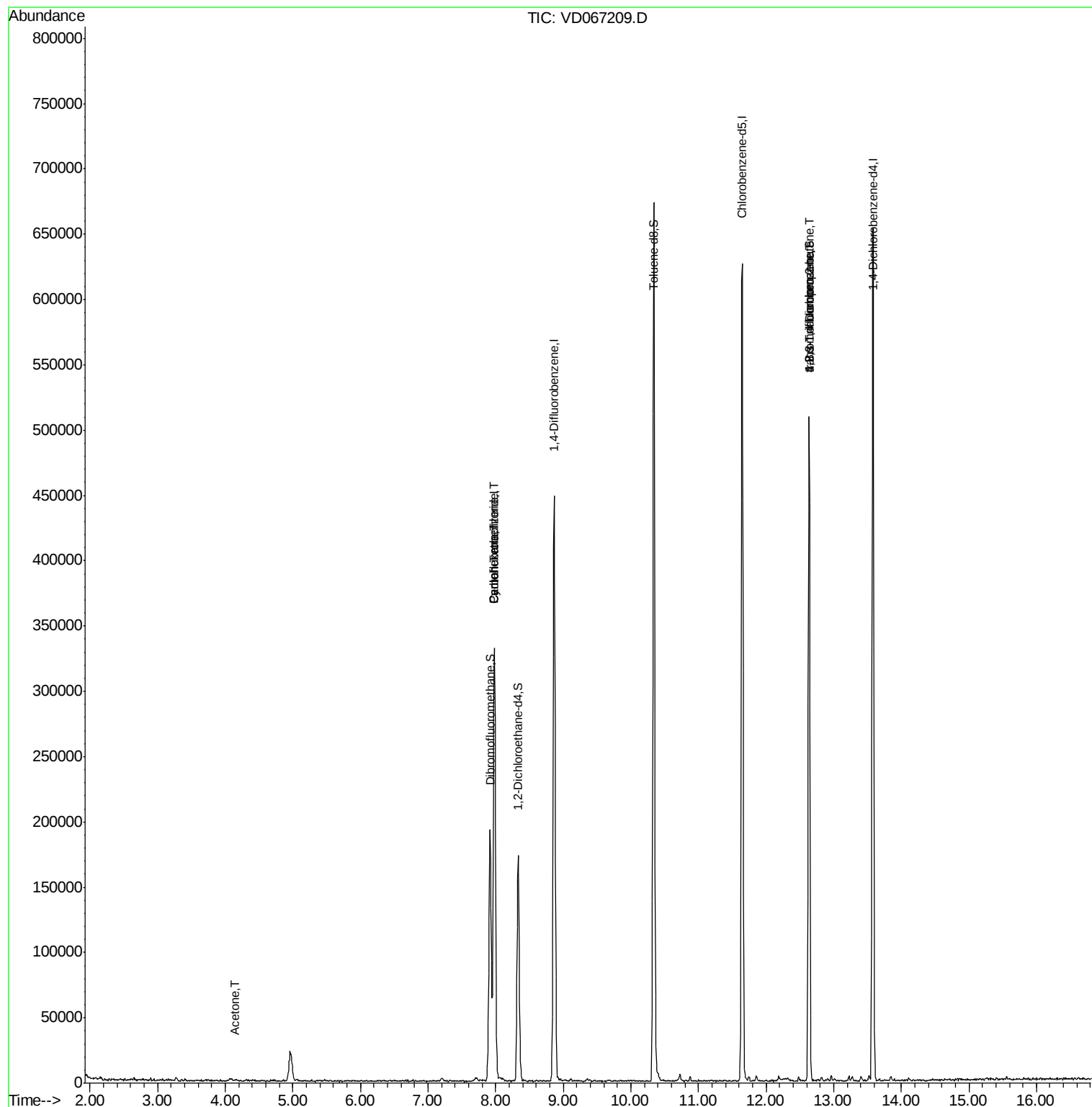
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	254251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	399623	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	383863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	189101	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	145926	59.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.18%	
35) Dibromofluoromethane	7.91	113	134925	51.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.14%	
50) Toluene-d8	10.34	98	469565	49.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.52%	
62) 4-Bromofluorobenzene	12.64	95	164312	50.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.54%	
Target Compounds						
2) Dichlorodifluoromethane	1.99	85	687	Below Cal	#	40
5) Bromomethane	2.78	94	460	Below Cal	#	71
16) Acetone	4.14	43	969	2.592	ug/l	92
26) 2,2-Dichloropropane	7.20	77	675	Below Cal	#	76
31) Cyclohexane	7.98	56	5988	1.628	ug/l #	39
38) Carbon Tetrachloride	7.98	117	27112	6.727	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	83792	50.871	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	83792	126.829	ug/l #	12

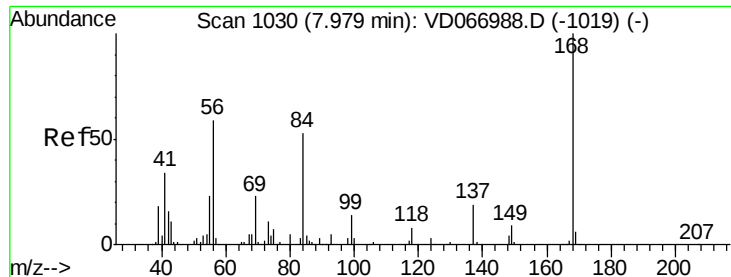
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD067209.D

Acq: 09 Oct 2020 14:06

Instrument :

MSVOA_D

ClientSampleId :

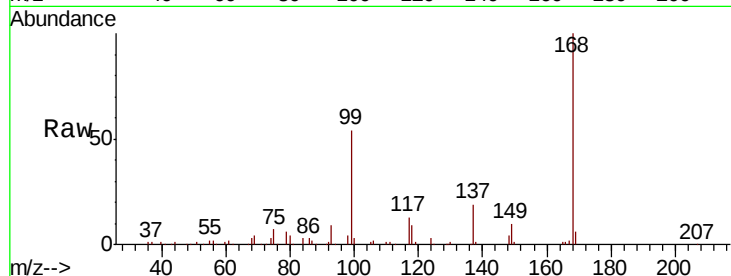
BACKFILL OFFSITE-2-SO-2

Tot Ion:168 Resp: 254251

Ion Ratio Lower Upper

168 100

99 53.2 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

120000

100000

80000

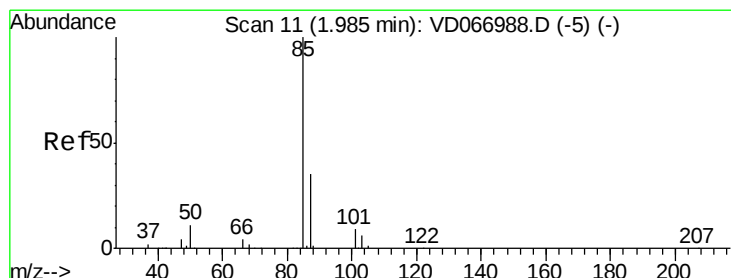
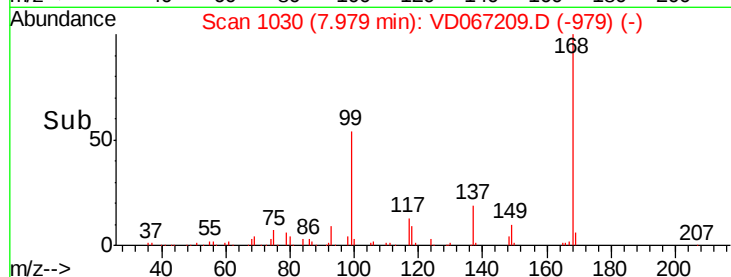
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067209.D

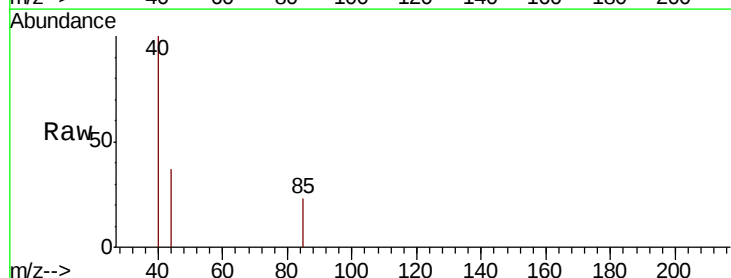
Acq: 09 Oct 2020 14:06

Tgt Ion: 85 Resp: 687

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

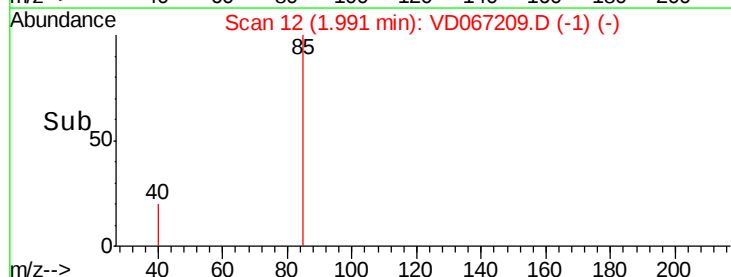
600

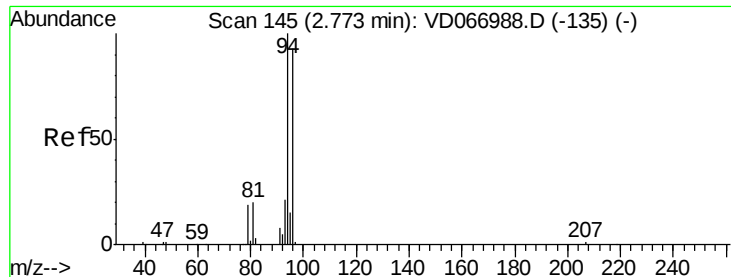
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067209.D

Acq: 09 Oct 2020 14:06

Instrument :

MSVOA_D

ClientSampleId :

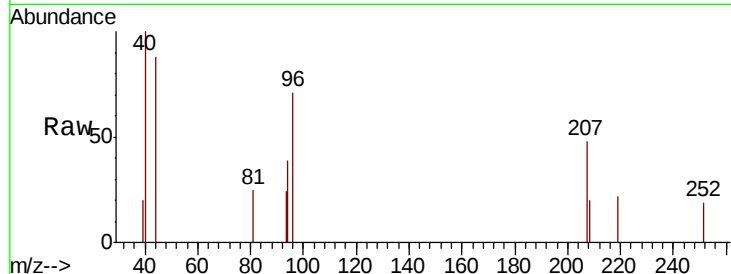
BACKFILL OFFSITE-2-SO-2

Tot Ion: 94 Resp: 460

Ion Ratio Lower Upper

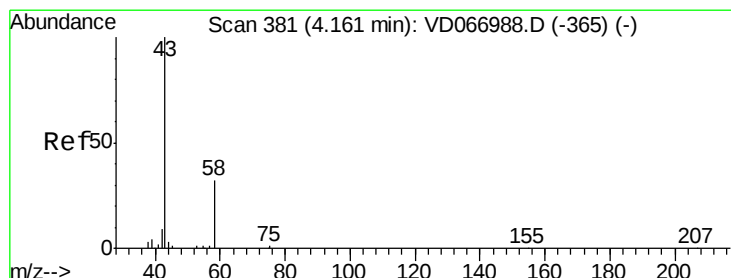
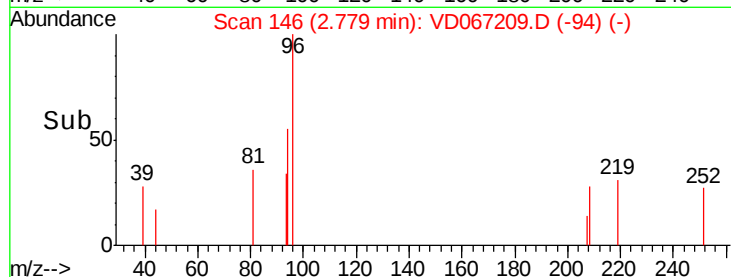
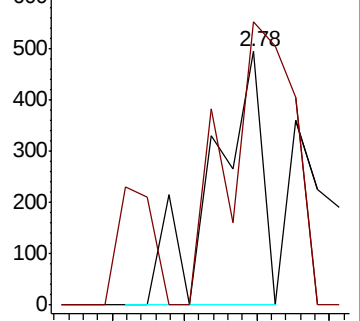
94 100

96 65.3 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: 2.592 ug/l

RT: 4.14 min Scan# 378

Delta R.T. -0.02 min

Lab File: VD067209.D

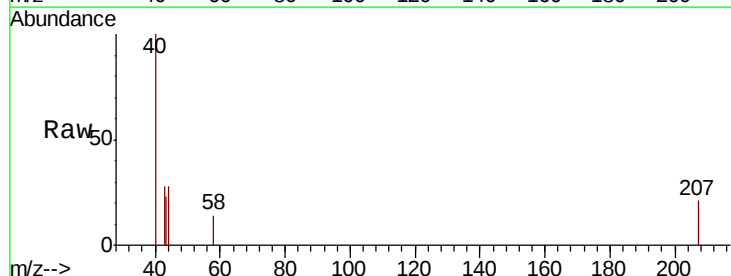
Acq: 09 Oct 2020 14:06

Tgt Ion: 43 Resp: 969

Ion Ratio Lower Upper

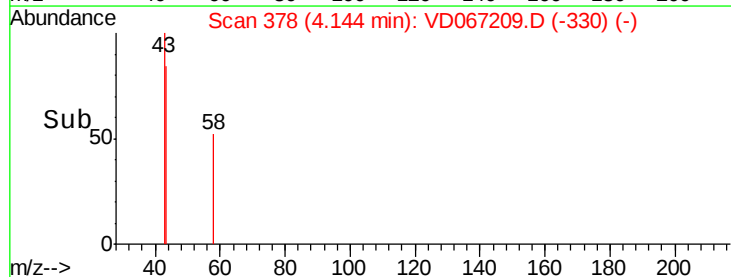
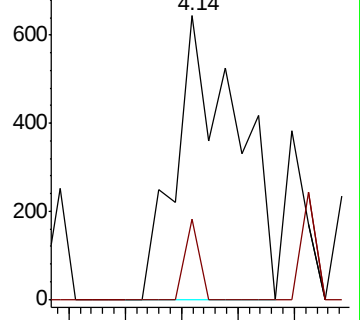
43 100

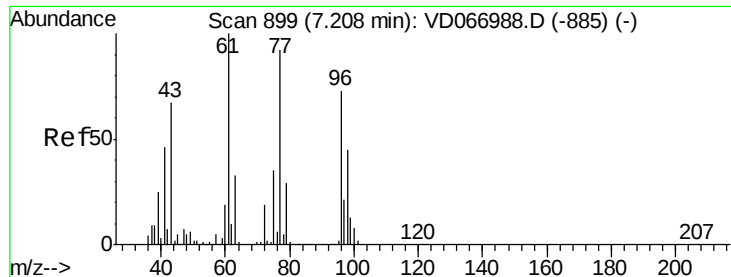
58 28.1 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD067209.D

Acq: 09 Oct 2020 14:06

Instrument :

MSVOA_D

ClientSampleId :

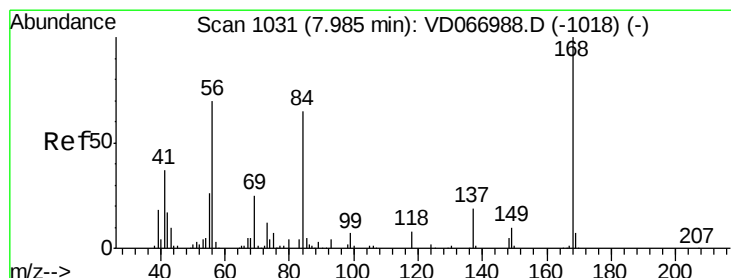
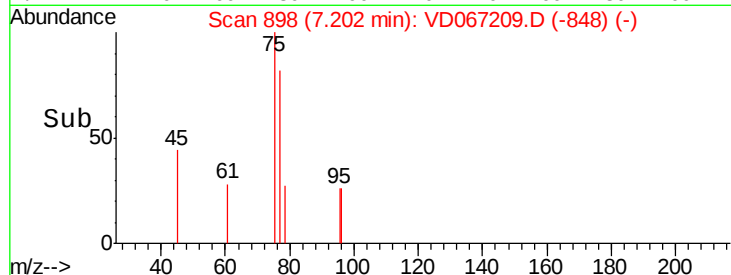
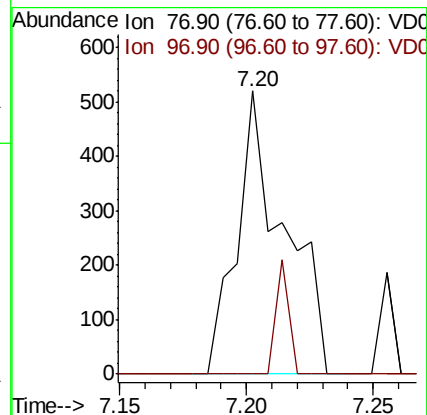
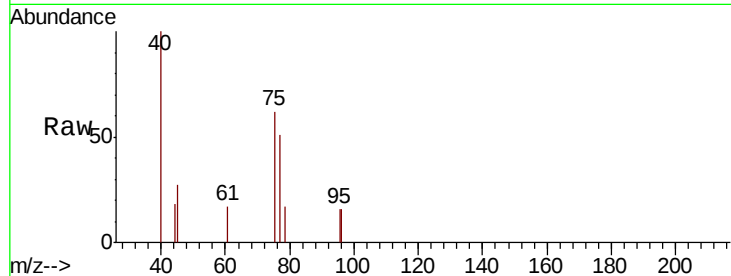
BACKFILL OFFSITE-2-SO-2

Tot Ion: 77 Resp: 675

Ion Ratio Lower Upper

77 100

97 11.0 11.4 34.2#



#31

Cyclohexane

Concen: 1.628 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067209.D

Acq: 09 Oct 2020 14:06

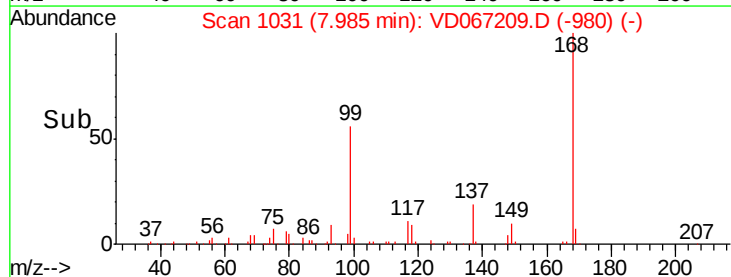
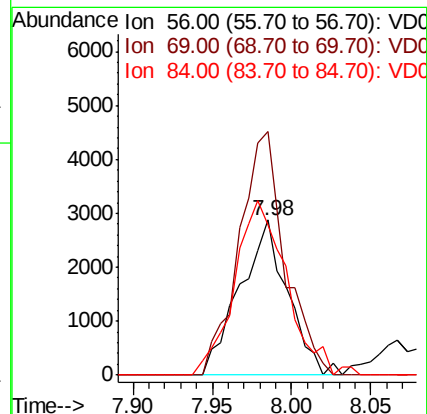
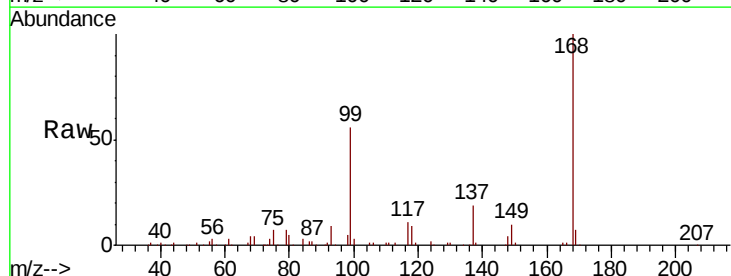
Tgt Ion: 56 Resp: 5988

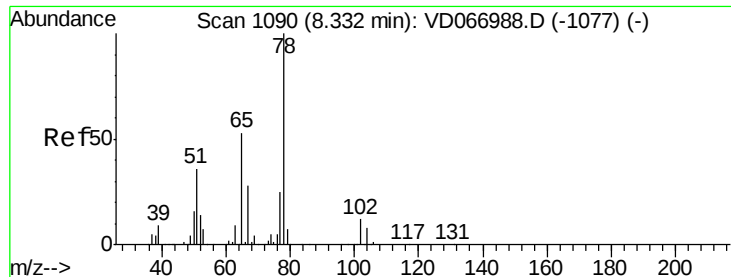
Ion Ratio Lower Upper

56 100

69 157.1 29.0 43.6#

84 96.9 74.2 111.2

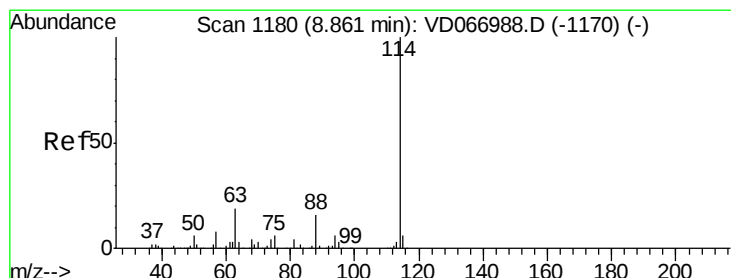
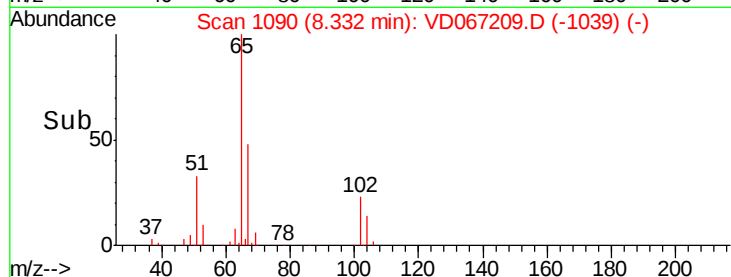
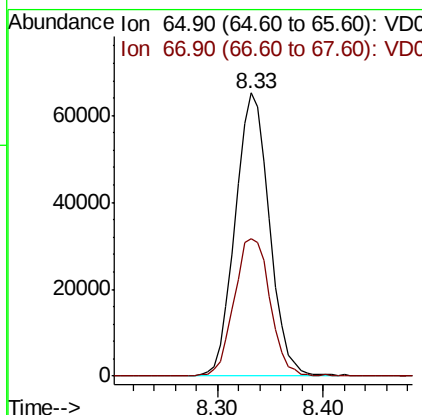
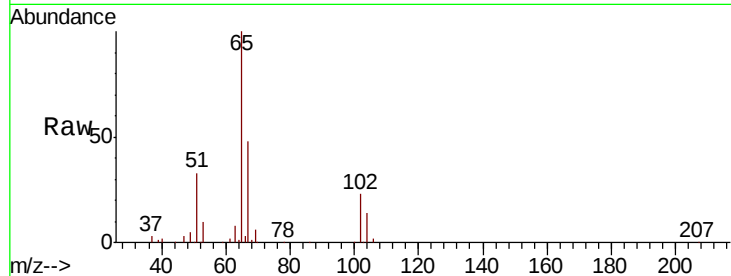




#33
 1,2-Dichloroethane-d4
 Concen: 59.588 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD067209.D
 Acq: 09 Oct 2020 14:06

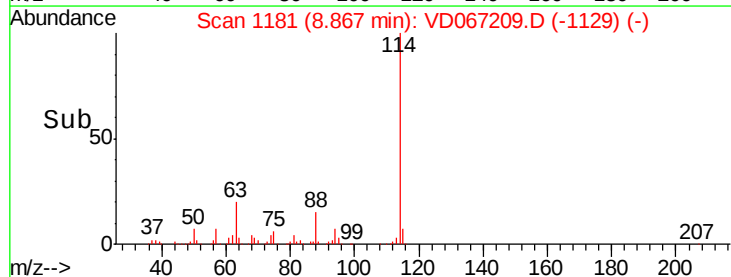
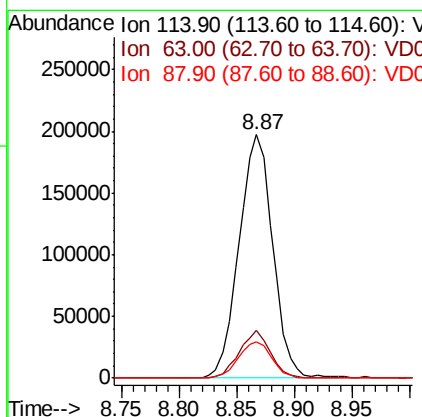
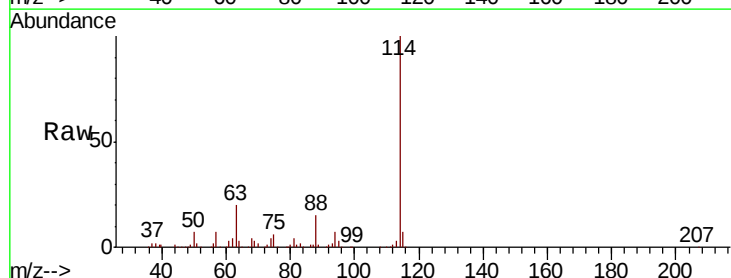
Instrument :
 MSVOA_D
 ClientSampleId :
 BACKFILLOFFSITE-2-SO-2

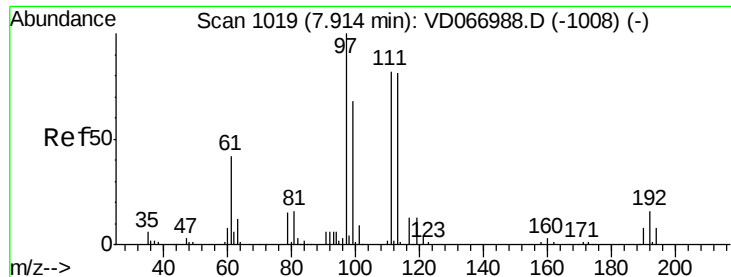
Tot Ion: 65 Resp: 145926
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067209.D
 Acq: 09 Oct 2020 14:06

Tgt Ion: 114 Resp: 399623
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.4
 88 15.1 0.0 31.2

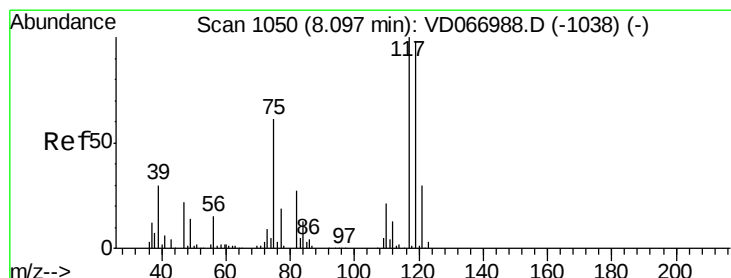
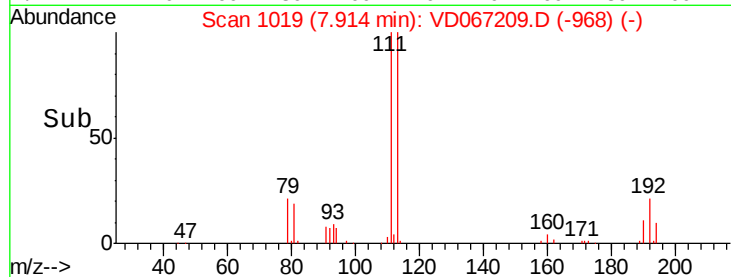
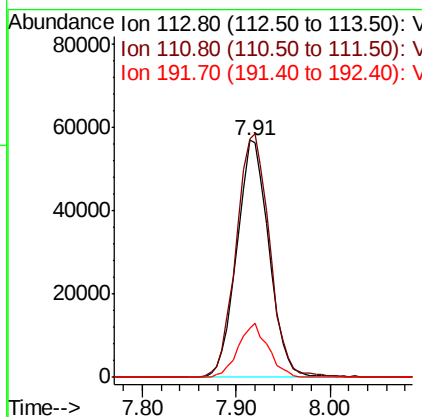
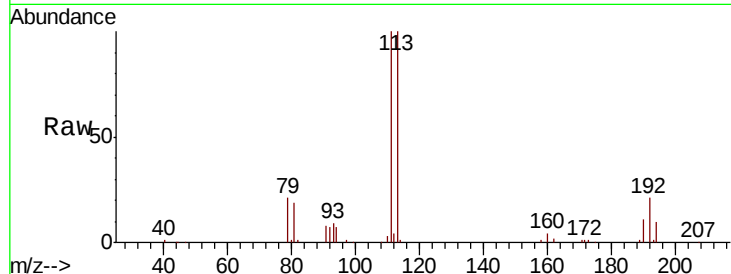




#35
 Dibromofluoromethane
 Concen: 51.572 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD067209.D
 Acq: 09 Oct 2020 14:06

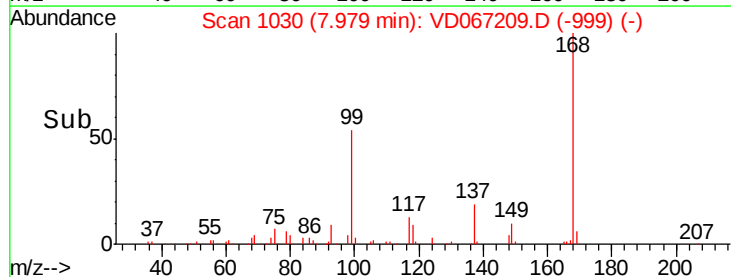
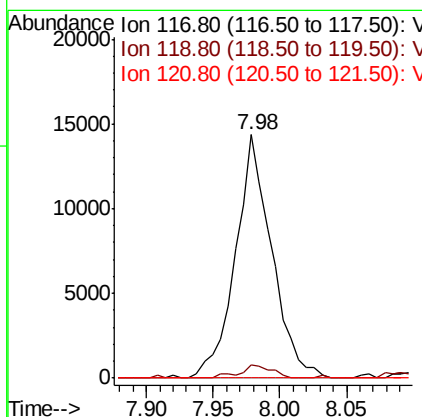
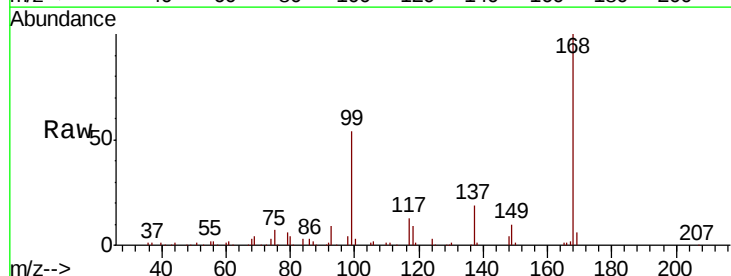
Instrument :
 MSVOA_D
 ClientSampleId :
 BACKFILL-OFFSITE-2-SO-2

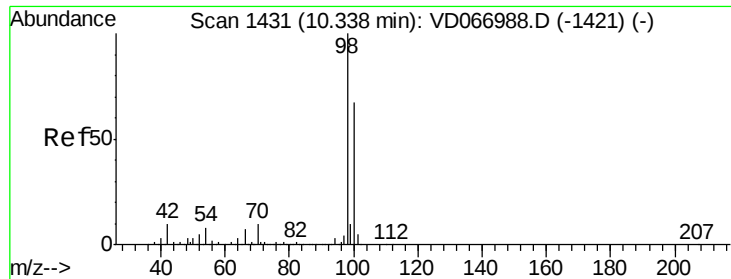
Tot Ion:	113	Resp:	134925
Ion	Ratio	Lower	Upper
113	100		
111	106.8	83.0	124.4
192	21.3	15.5	23.3



#38
 Carbon Tetrachloride
 Concen: 6.727 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD067209.D
 Acq: 09 Oct 2020 14:06

Tgt Ion:	117	Resp:	27112
Ion	Ratio	Lower	Upper
117	100		
119	5.6	78.7	118.1#
121	0.0	24.2	36.2#

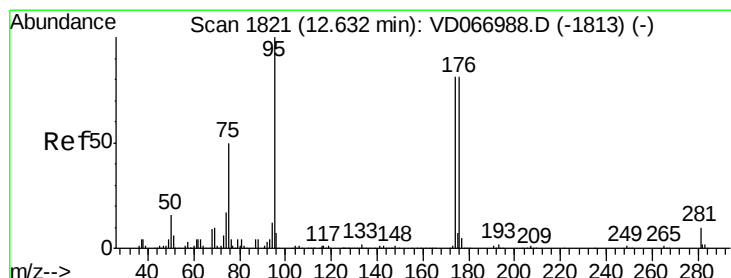
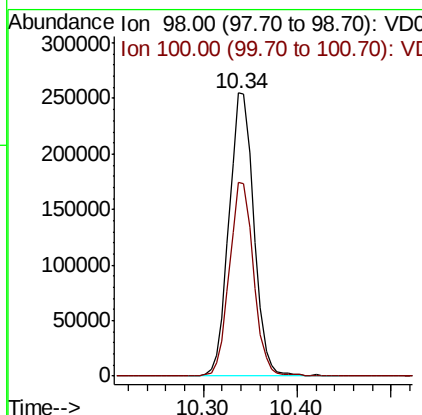
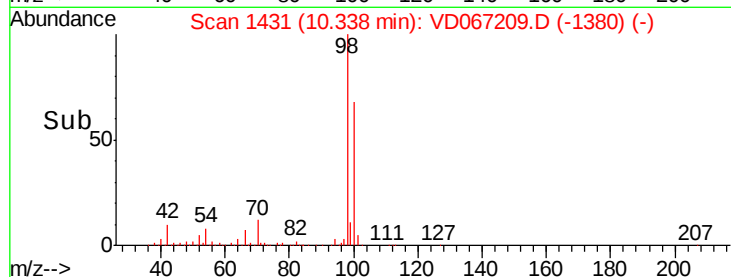
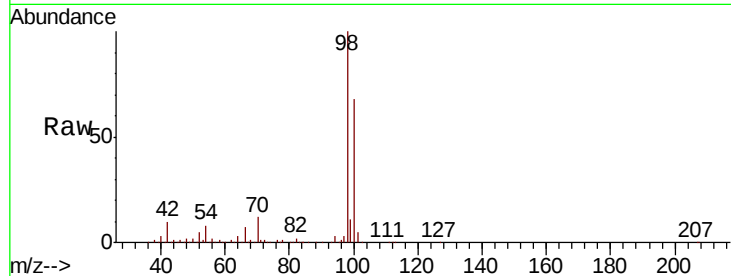




#50
Toluene-d8
Concen: 49.255 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD067209.D
Acq: 09 Oct 2020 14:06

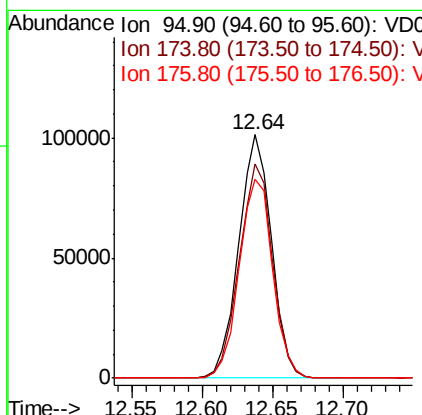
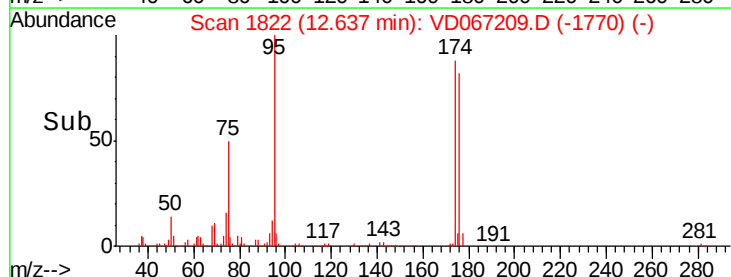
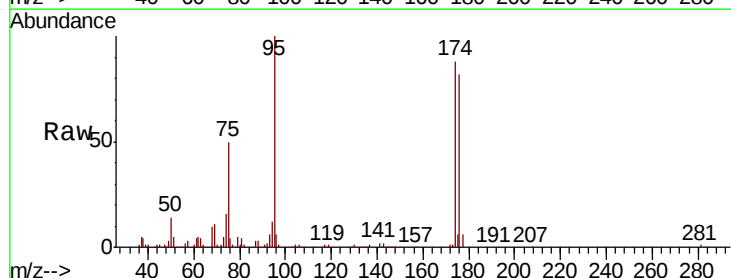
Instrument :
MSVOA_D
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BACKFILL OFFSITE-2-SO-2

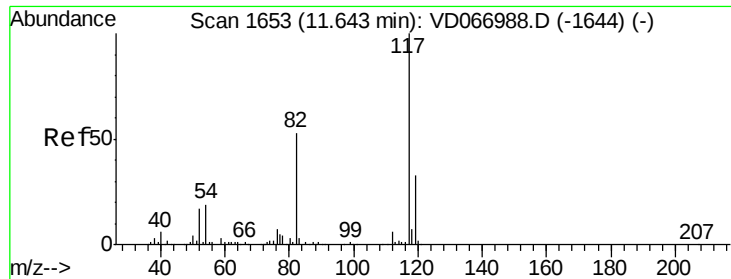
Tot Ion: 98 Resp: 469565
Ion Ratio Lower Upper
98 100
100 66.7 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 50.771 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067209.D
Acq: 09 Oct 2020 14:06

Tgt Ion: 95 Resp: 164312
Ion Ratio Lower Upper
95 100
174 89.7 0.0 167.6
176 83.6 0.0 162.4

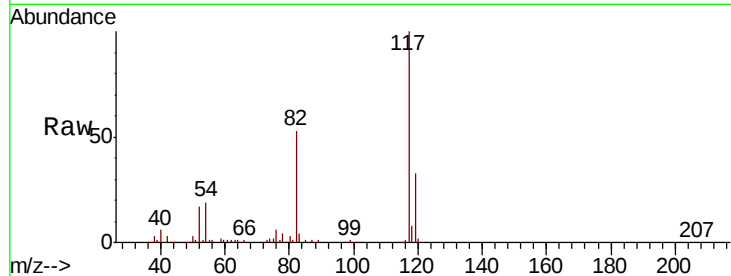




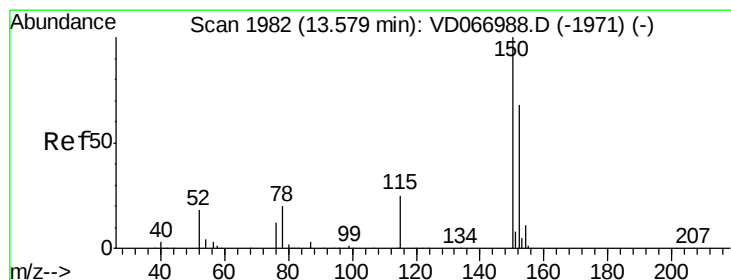
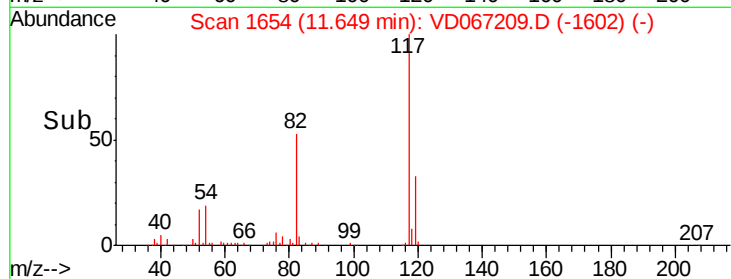
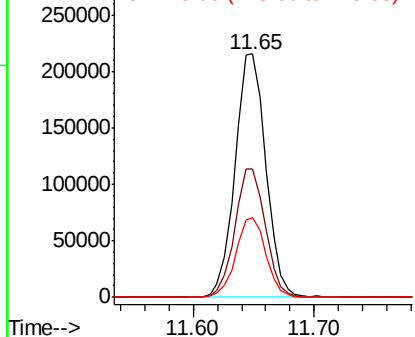
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067209.D
Acq: 09 Oct 2020 14:06

Instrument :
MSVOA_D
ClientSampleId :
BACKFILL OFFSITE-2-SO-2

Tot Ion:117 Resp: 383863
Ion Ratio Lower Upper
117 100
82 52.6 42.6 63.8
119 32.7 26.3 39.5

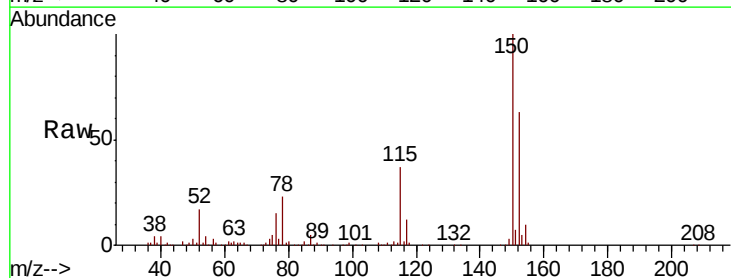


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

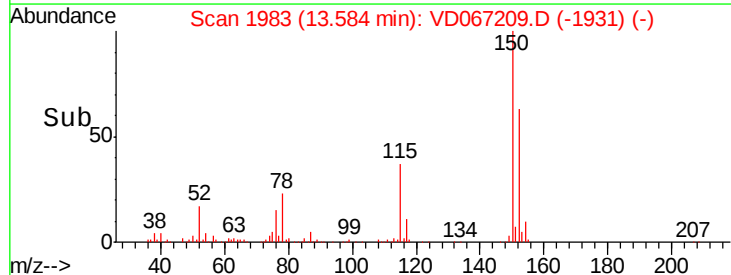
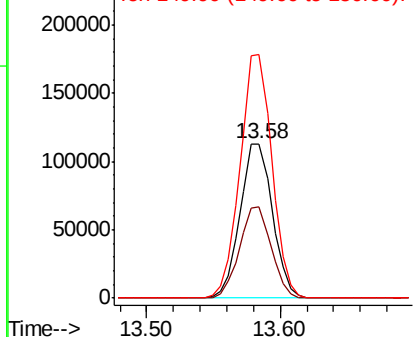


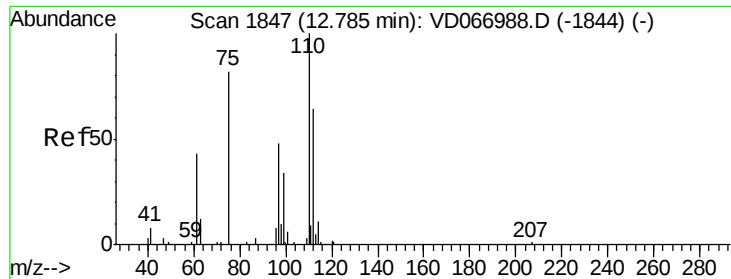
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD067209.D
Acq: 09 Oct 2020 14:06

Tgt Ion:152 Resp: 189101
Ion Ratio Lower Upper
152 100
115 58.0 29.6 88.8
150 155.5 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

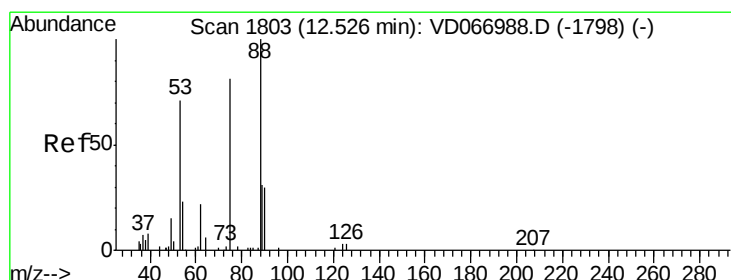
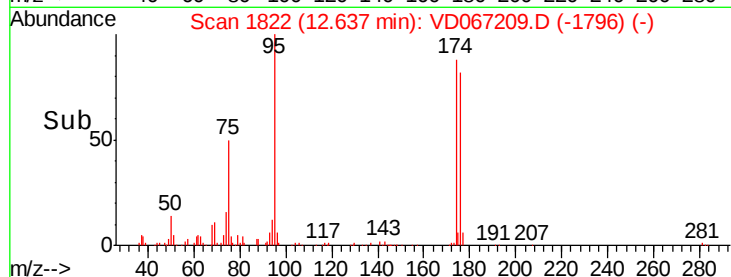
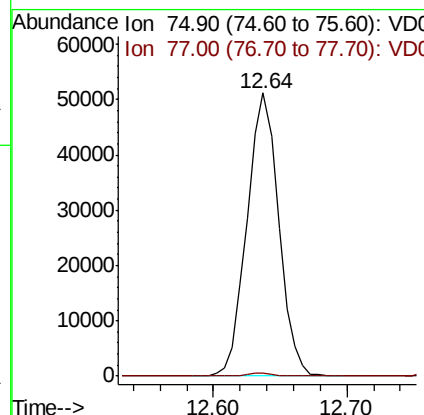
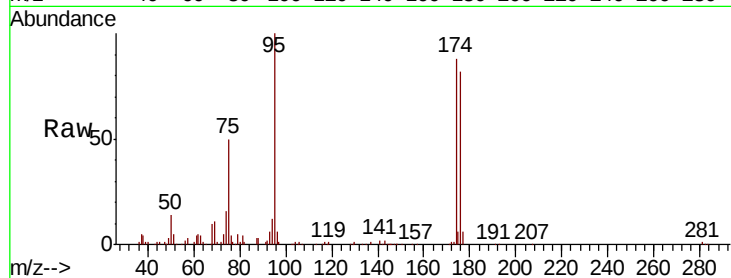




#76
 1,2,3-Trichloropropane
 Concen: 50.871 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067209.D
 Acq: 09 Oct 2020 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 BACKFILL OFFSITE-2-SO-2

Tot Ion: 75 Resp: 83792
 Ion Ratio Lower Upper
 75 100
 77 0.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.829 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067209.D
 Acq: 09 Oct 2020 14:06

Tgt Ion: 75 Resp: 83792
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.8 110.6#
 89 0.0 38.9 58.3#

