

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012021\
 Data File : VD068108.D
 Acq On : 20 Jan 2021 13:03
 Operator : VA/SY
 Sample : M1160-03
 Misc : 4.90G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BASIN-1

Quant Time: Jan 20 14:34:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

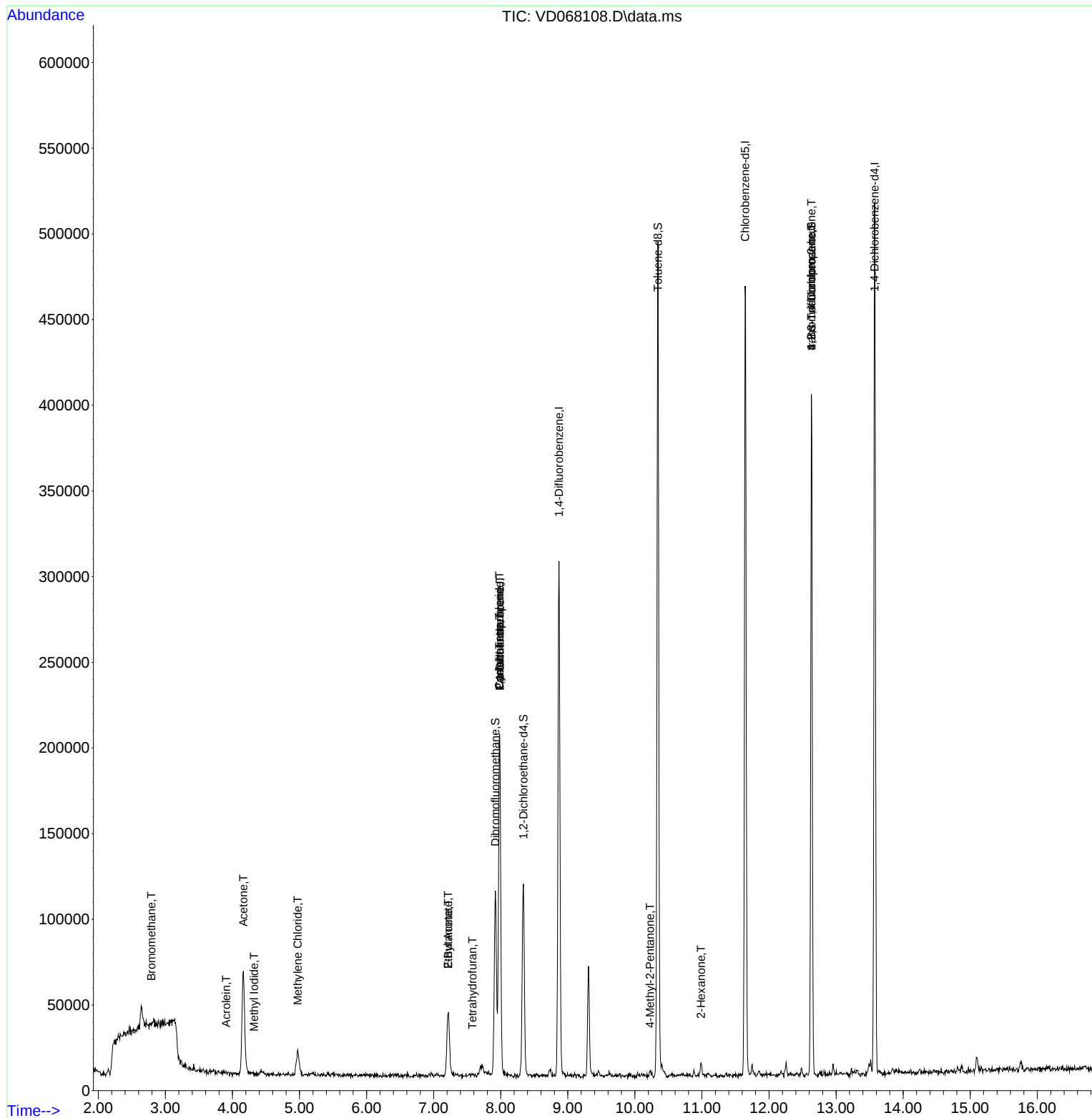
Internal Standards						
1) Pentafluorobenzene	7.985	168	152746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	265849	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	274360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	135479	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	92020	62.98	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 125.96%			
35) Dibromofluoromethane	7.920	113	76640	52.14	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.28%			
50) Toluene-d8	10.344	98	339212	57.70	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 115.40%			
62) 4-Bromofluorobenzene	12.632	95	138085	65.22	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 130.44%			
Target Compounds					Qvalue	
5) Bromomethane	2.791	94	1677	1.13	ug/l	90
10) Methyl Iodide	4.321	142	722	3.52	ug/l #	50
11) Tert butyl alcohol	5.209	59	208	Below Cal	#	1
13) Acrolein	3.909	56	240	2.08	ug/l #	1
16) Acetone	4.162	43	104037	398.76	ug/l	96
20) Methylene Chloride	4.973	84	11116	2.28	ug/l	93
25) 2-Butanone	7.215	43	61621	156.86	ug/l	89
29) Tetrahydrofuran	7.579	42	1039	4.08	ug/l #	48
31) Cyclohexane	7.979	56	4410	1.39	ug/l #	11
36) 1,1-Dichloropropene	7.985	75	12438	4.64	ug/l #	48
37) Ethyl Acetate	7.215	43	61621	64.98	ug/l #	64
38) Carbon Tetrachloride	7.979	117	14634	5.83	ug/l #	15
51) 4-Methyl-2-Pentanone	10.226	43	1760	1.92	ug/l	89
59) 2-Hexanone	10.985	43	5368	8.43	ug/l	88
76) 1,2,3-Trichloropropane	12.632	75	70507	53.83	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	70507	108.92	ug/l #	14

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

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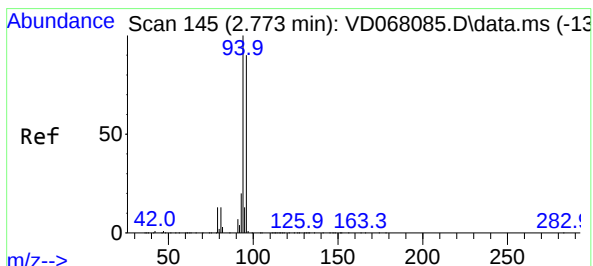
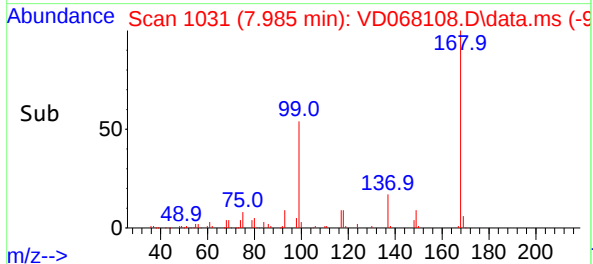
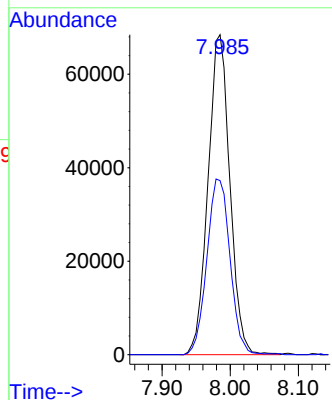
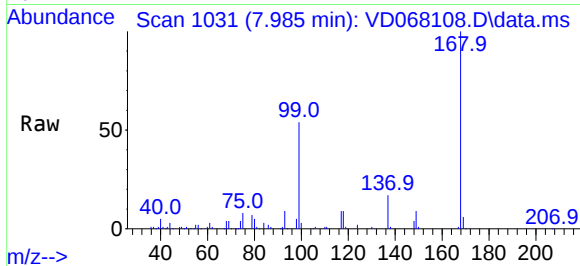




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD068108.D
Acq: 20 Jan 2021 13:03

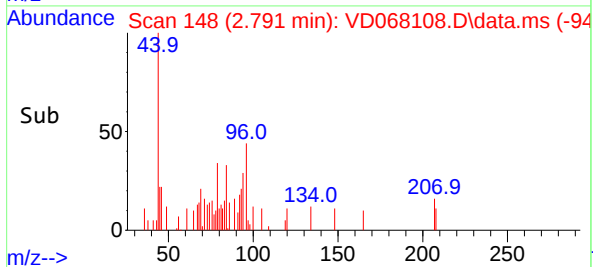
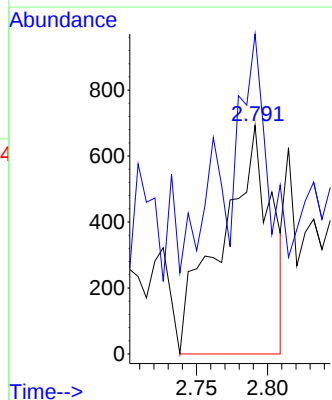
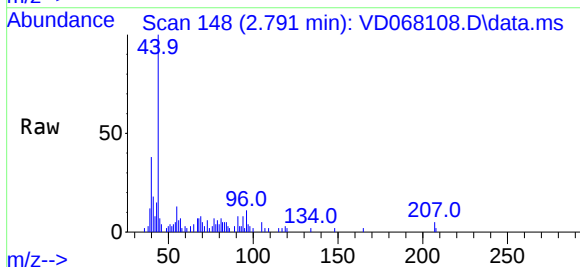
Instrument :
MSVOA_D
ClientSampleId :
BASIN-1

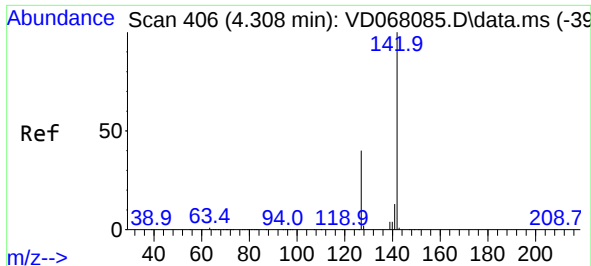
Tgt Ion:168 Resp: 152746
Ion Ratio Lower Upper
168 100
99 54.4 43.5 65.3



#5
Bromomethane
Concen: 1.13 ug/l
RT: 2.791 min Scan# 148
Delta R.T. 0.018 min
Lab File: VD068108.D
Acq: 20 Jan 2021 13:03

Tgt Ion: 94 Resp: 1677
Ion Ratio Lower Upper
94 100
96 104.5 75.8 113.8

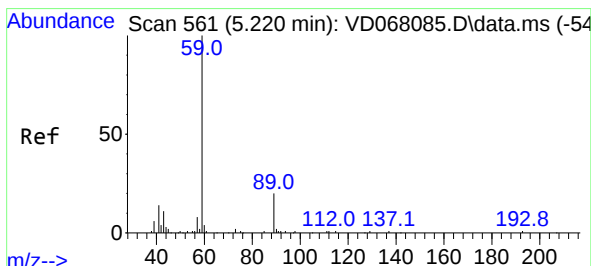
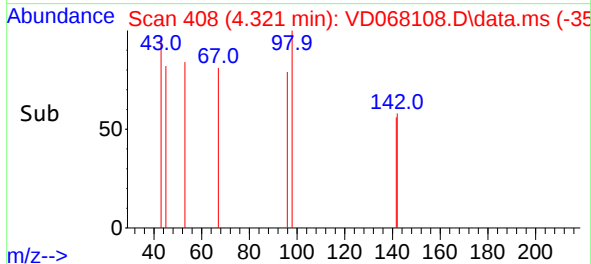
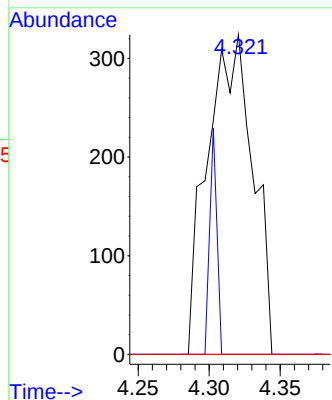
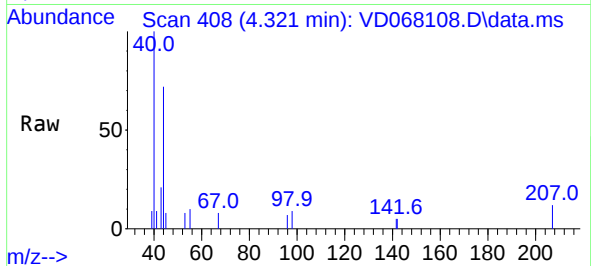




#10
Methyl Iodide
Concen: 3.52 ug/l
RT: 4.321 min Scan# 408
Delta R.T. 0.013 min
Lab File: VD068108.D
Acq: 20 Jan 2021 13:03

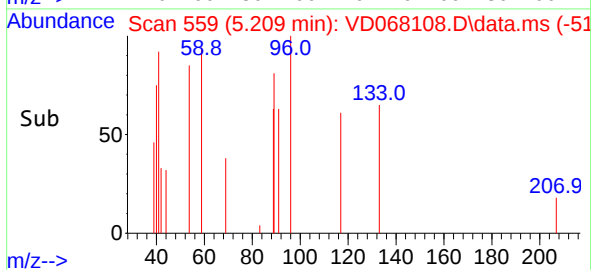
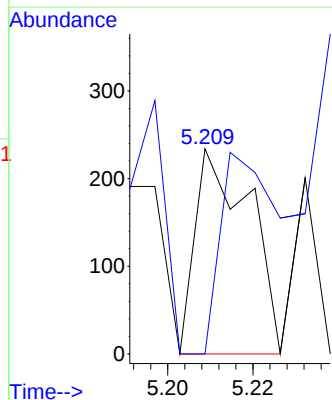
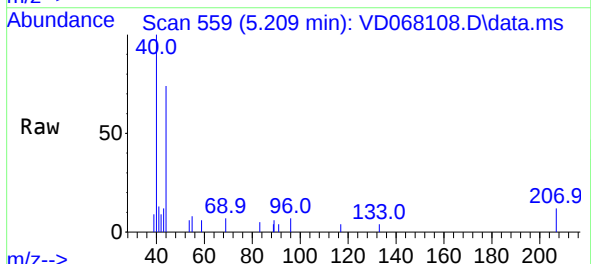
Instrument :
MSVOA_D
ClientSampleId :
BASIN-1

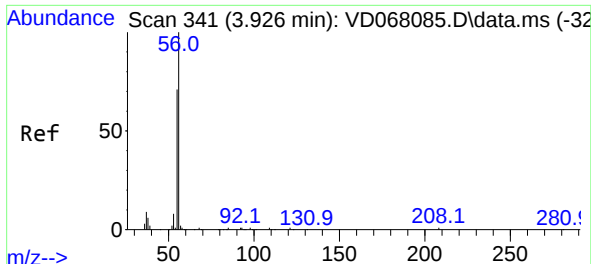
Tgt Ion:142 Resp: 722
Ion Ratio Lower Upper
142 100
127 11.2 37.9 56.9#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.011 min
Lab File: VD068108.D
Acq: 20 Jan 2021 13:03

Tgt Ion: 59 Resp: 208
Ion Ratio Lower Upper
59 100
57 100.5 7.4 11.2#

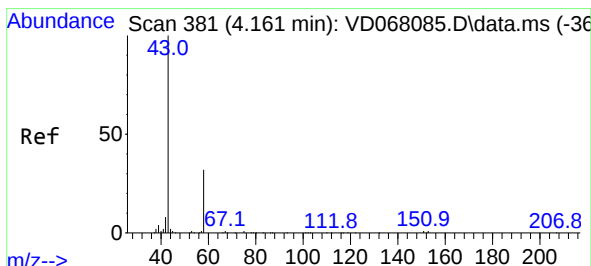
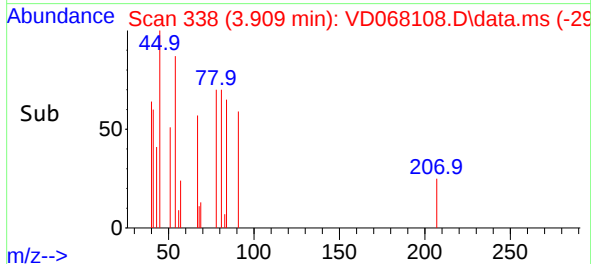
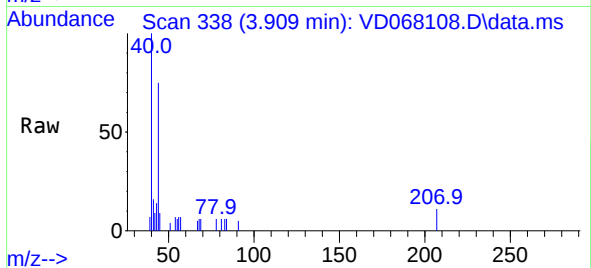




#13
Acrolein
Concen: 2.08 ug/l
RT: 3.909 min Scan# 338
Delta R.T. -0.017 min
Lab File: VD068108.D
Acq: 20 Jan 2021 13:03

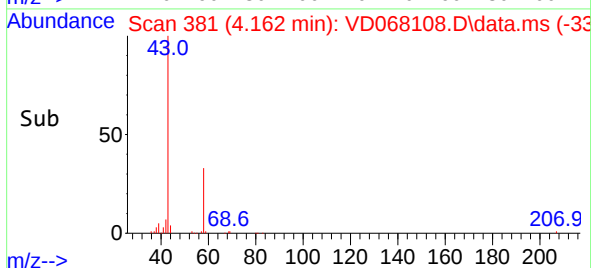
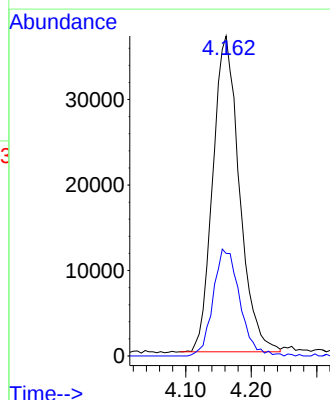
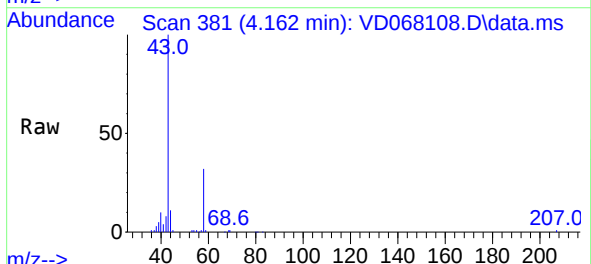
Instrument :
MSVOA_D
ClientSampleId :
BASIN-1

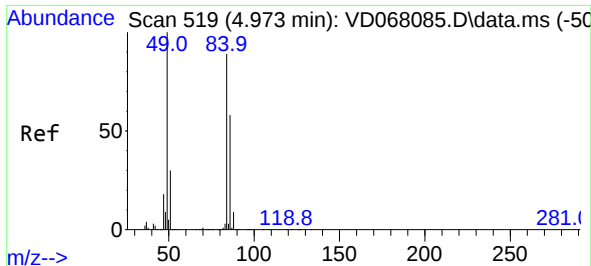
Tgt Ion: 56 Resp: 240
Ion Ratio Lower Upper
56 100
55 306.3 56.5 84.7#



#16
Acetone
Concen: 398.76 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068108.D
Acq: 20 Jan 2021 13:03

Tgt Ion: 43 Resp: 104037
Ion Ratio Lower Upper
43 100
58 32.5 24.2 36.4



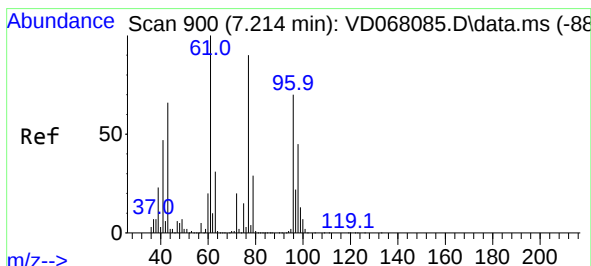
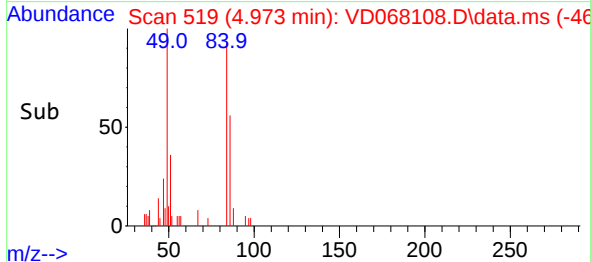
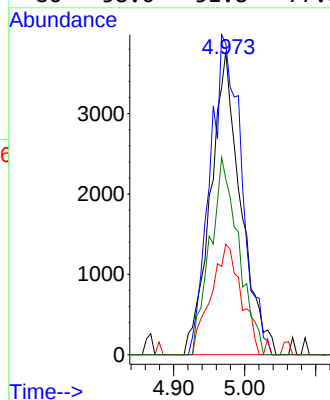
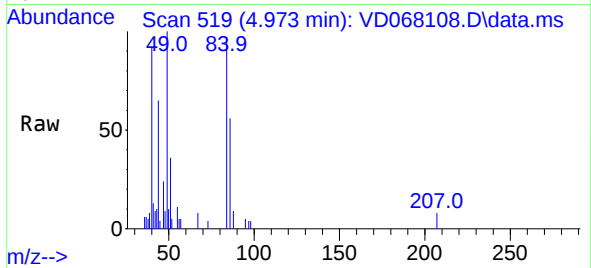


#20
Methylene Chloride
Concen: 2.28 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.000 min
Lab File: VD068108.D
Acq: 20 Jan 2021 13:03

Instrument :
MSVOA_D
ClientSampleId :
BASIN-1

Tgt Ion: 84 Resp: 11116

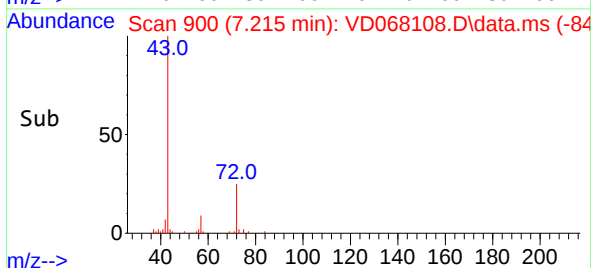
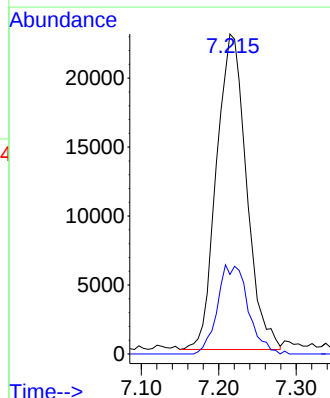
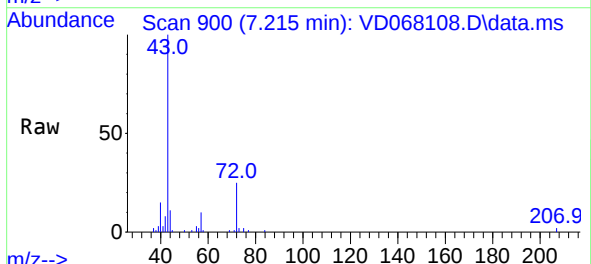
Ion	Ratio	Lower	Upper
84	100		
49	102.7	77.4	116.2
51	36.5	26.1	39.1
86	58.0	51.8	77.8

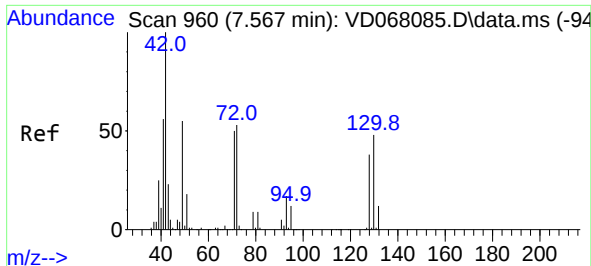


#25
2-Butanone
Concen: 156.86 ug/l
RT: 7.215 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD068108.D
Acq: 20 Jan 2021 13:03

Tgt Ion: 43 Resp: 61621

Ion	Ratio	Lower	Upper
43	100		
72	25.2	25.1	37.7





#29

Tetrahydrofuran

Concen: 4.08 ug/l

RT: 7.579 min Scan# 962

Delta R.T. 0.012 min

Lab File: VD068108.D

Acq: 20 Jan 2021 13:03

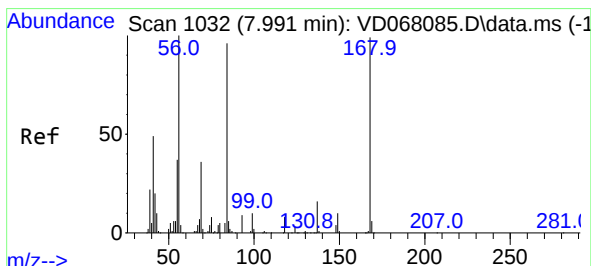
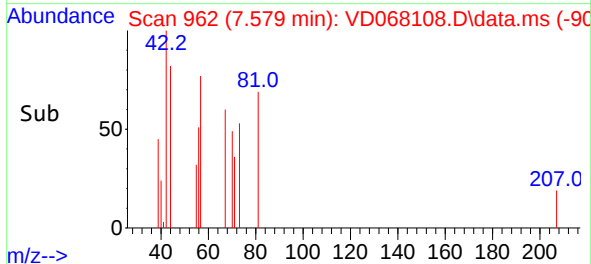
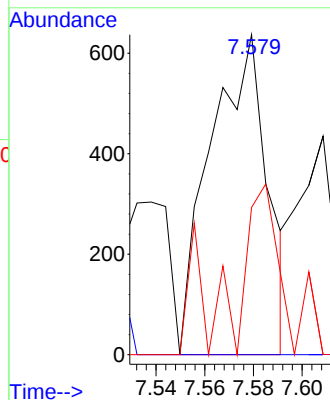
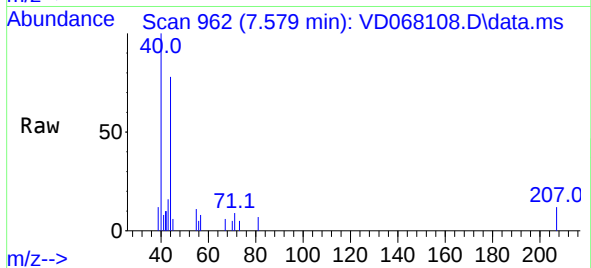
Instrument :

MSVOA_D

ClientSampled :

BASIN-1

Tgt Ion:	42	Resp:	1039
Ion	Ratio	Lower	Upper
42	100		
72	0.0	43.4	65.0#
71	32.7	40.8	61.2#



#31

Cyclohexane

Concen: 1.39 ug/l

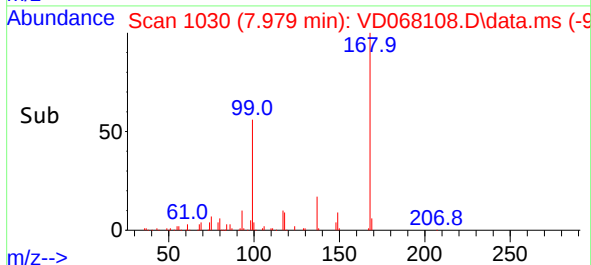
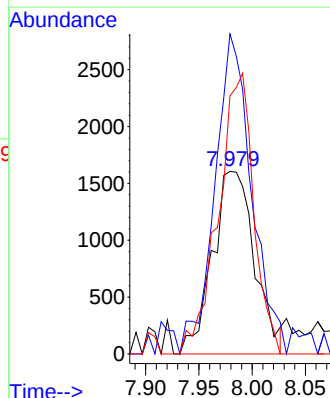
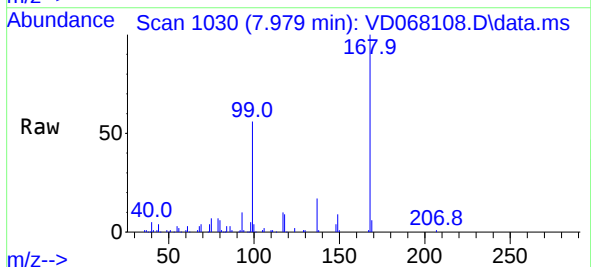
RT: 7.979 min Scan# 1030

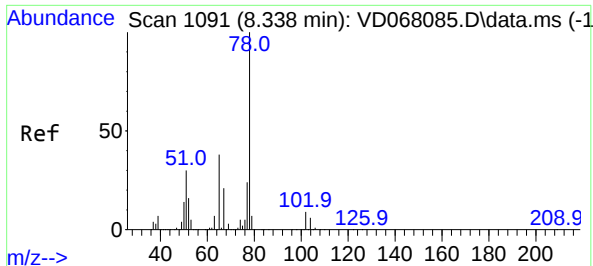
Delta R.T. -0.011 min

Lab File: VD068108.D

Acq: 20 Jan 2021 13:03

Tgt Ion:	56	Resp:	4410
Ion	Ratio	Lower	Upper
56	100		
69	175.2	30.1	45.1#
84	141.3	82.1	123.1#

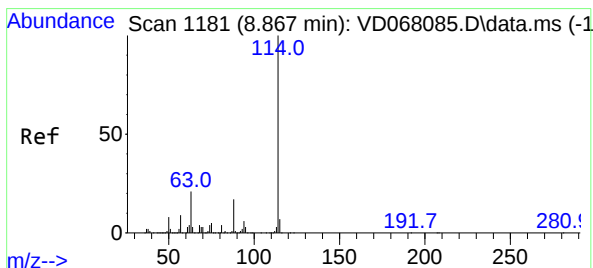
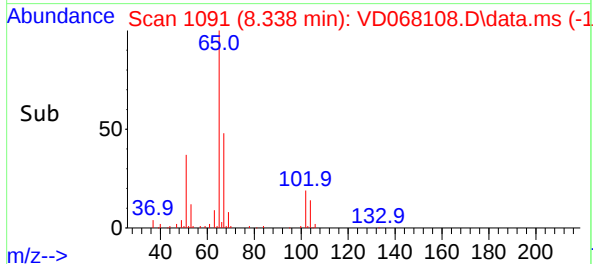
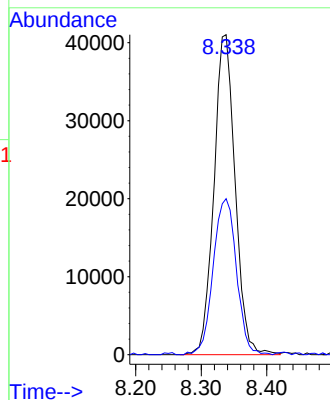
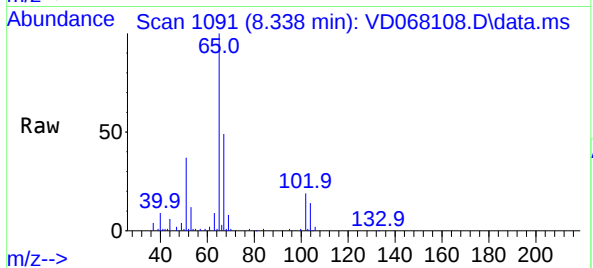




#33
1,2-Dichloroethane-d4
Concen: 62.98 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VD068108.D
Acq: 20 Jan 2021 13:03

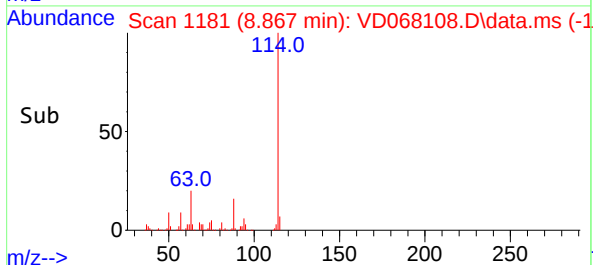
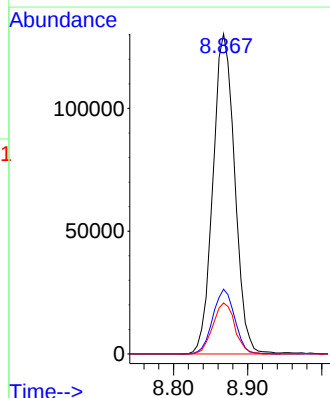
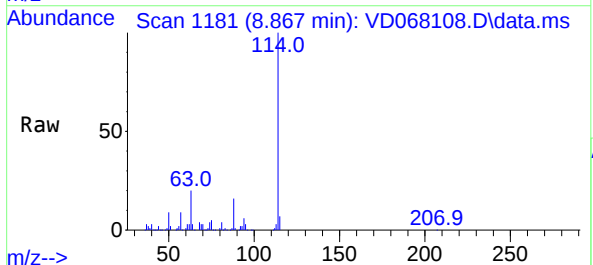
Instrument :
MSVOA_D
ClientSampleId :
BASIN-1

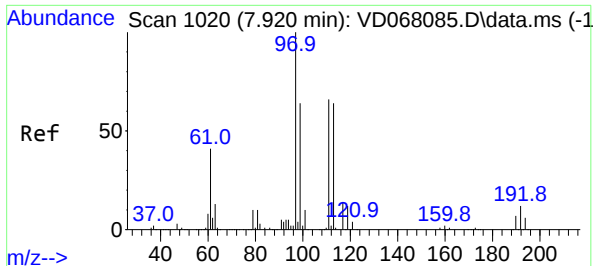
Tgt Ion: 65 Resp: 92020
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068108.D
Acq: 20 Jan 2021 13:03

Tgt Ion: 114 Resp: 265849
Ion Ratio Lower Upper
114 100
63 20.3 0.0 34.8
88 16.0 0.0 31.6



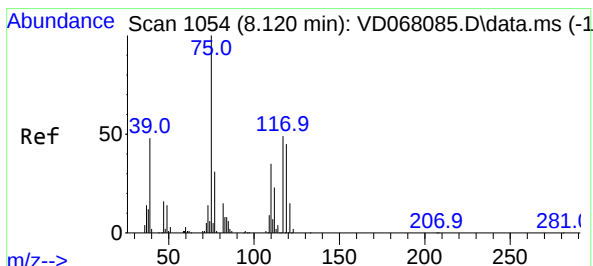
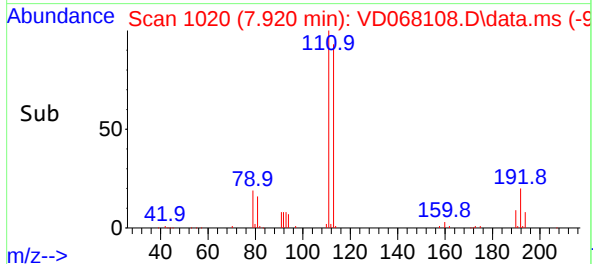
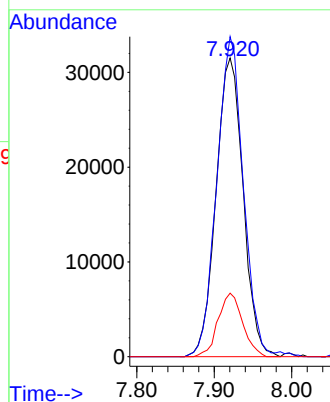
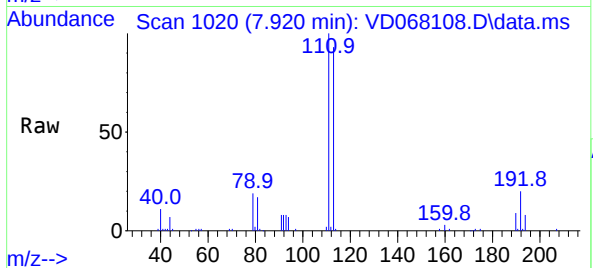


#35

Dibromofluoromethane
Concen: 52.14 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068108.D
Acq: 20 Jan 2021 13:03

Instrument :
MSVOA_D
ClientSampled :
BASIN-1

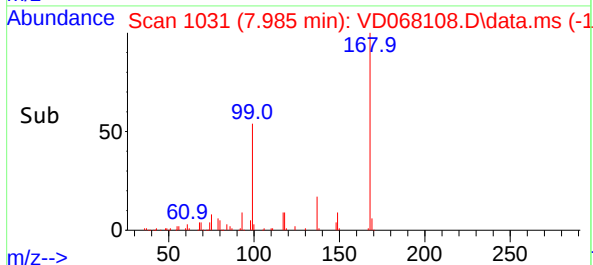
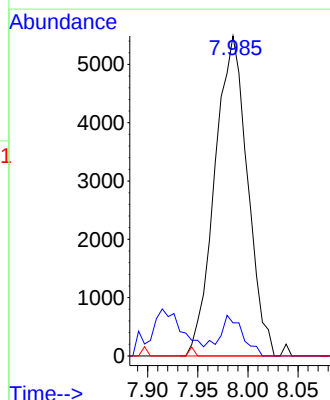
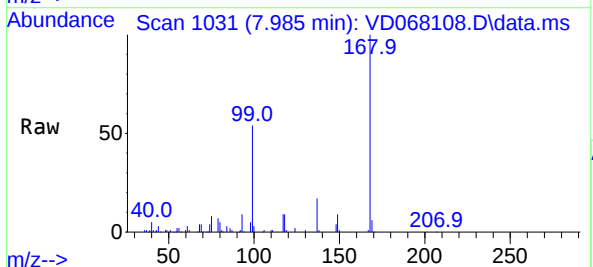
Tgt Ion:113 Resp: 76640
Ion Ratio Lower Upper
113 100
111 104.7 81.4 122.0
192 19.3 16.1 24.1

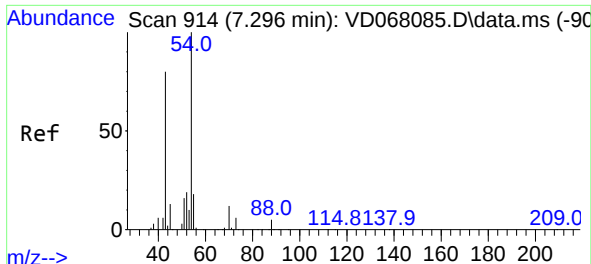


#36

1,1-Dichloropropene
Concen: 4.64 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.135 min
Lab File: VD068108.D
Acq: 20 Jan 2021 13:03

Tgt Ion: 75 Resp: 12438
Ion Ratio Lower Upper
75 100
110 9.2 19.4 58.2#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 64.98 ug/l

RT: 7.215 min Scan# 900

Delta R.T. -0.082 min

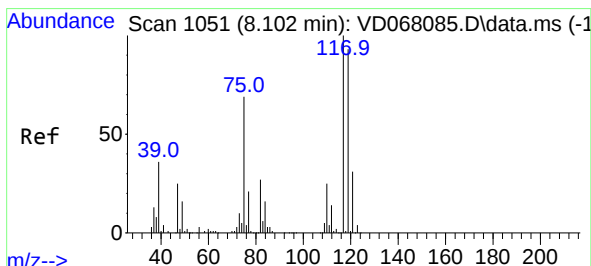
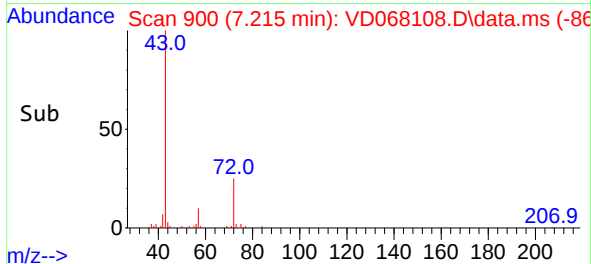
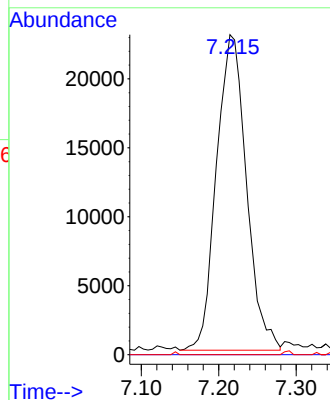
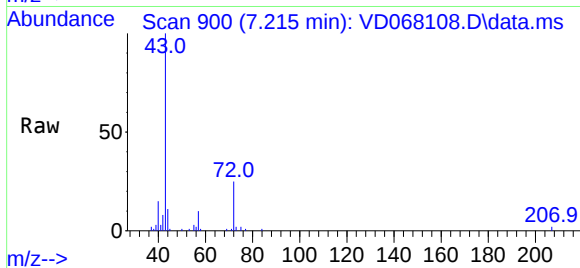
Lab File: VD068108.D

Acq: 20 Jan 2021 13:03

Instrument :
MSVOA_D
ClientSampled :
BASIN-1

Tgt Ion: 43 Resp: 61621

Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.9	19.3#
70	0.0	11.0	16.6#



#38

Carbon Tetrachloride

Concen: 5.83 ug/l

RT: 7.979 min Scan# 1030

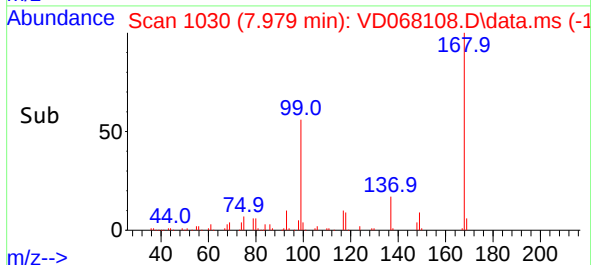
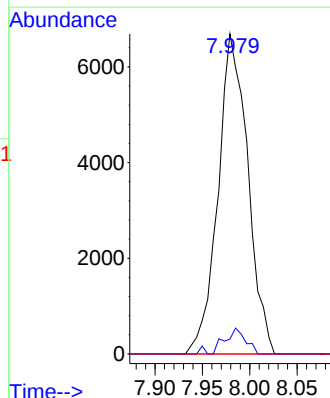
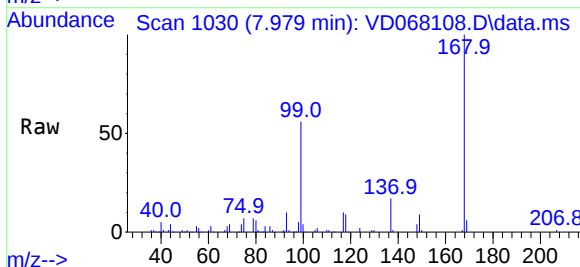
Delta R.T. -0.123 min

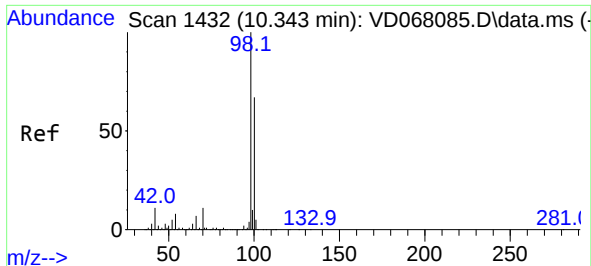
Lab File: VD068108.D

Acq: 20 Jan 2021 13:03

Tgt Ion: 117 Resp: 14634

Ion	Ratio	Lower	Upper
117	100		
119	4.7	77.3	115.9#
121	0.0	24.7	37.1#

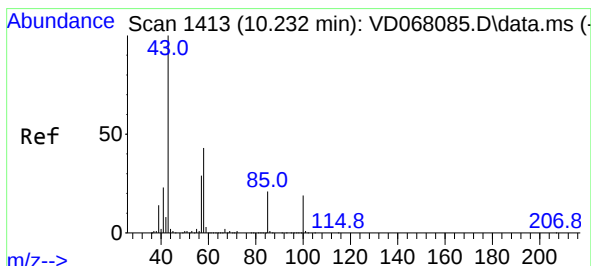
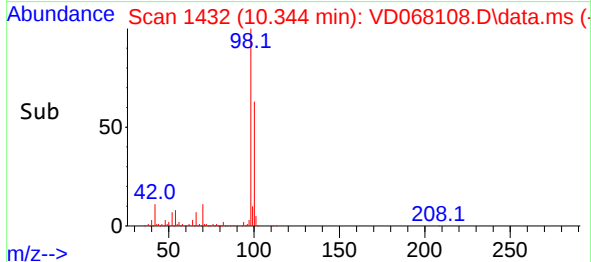
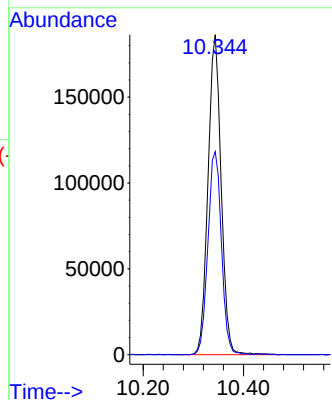
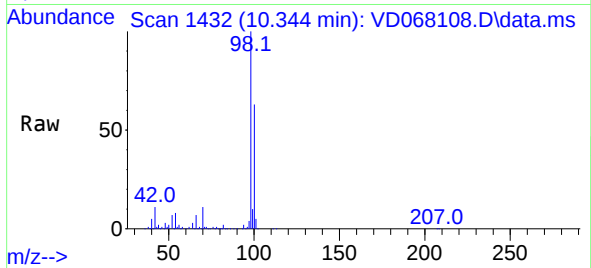




#50
Toluene-d8
Concen: 57.70 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068108.D
Acq: 20 Jan 2021 13:03

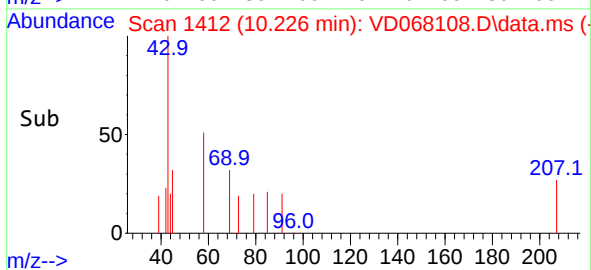
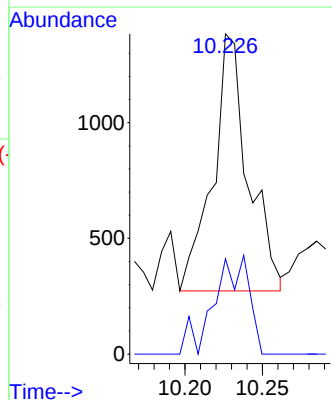
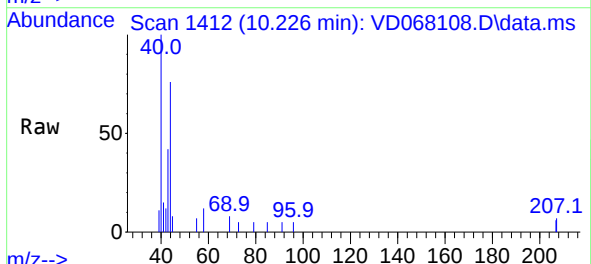
Instrument :
MSVOA_D
ClientSampleId :
BASIN-1

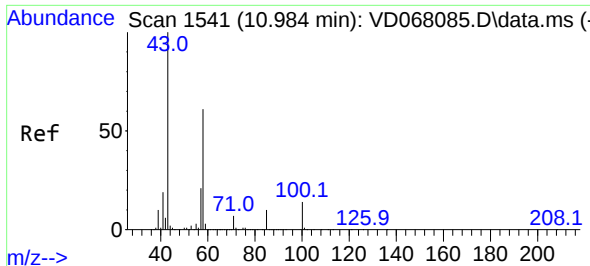
Tgt Ion: 98 Resp: 339212
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.92 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.005 min
Lab File: VD068108.D
Acq: 20 Jan 2021 13:03

Tgt Ion: 43 Resp: 1760
Ion Ratio Lower Upper
43 100
58 37.7 36.1 54.1

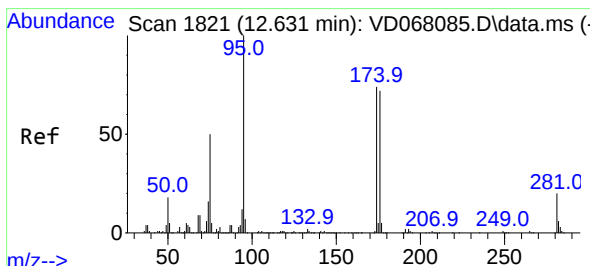
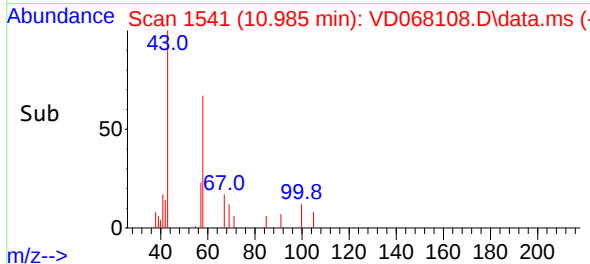
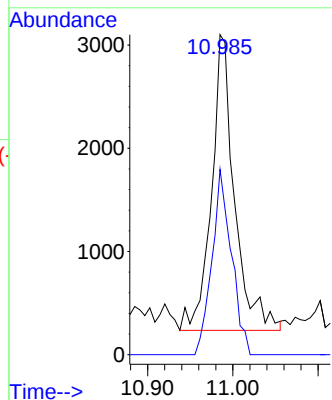
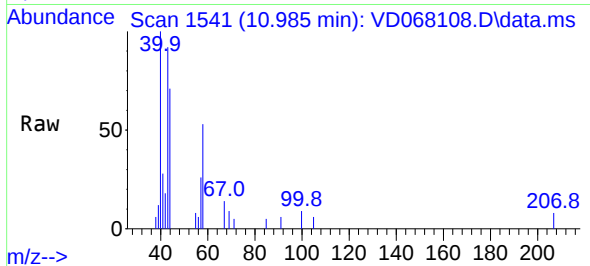




#59
2-Hexanone
Concen: 8.43 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VD068108.D
Acq: 20 Jan 2021 13:03

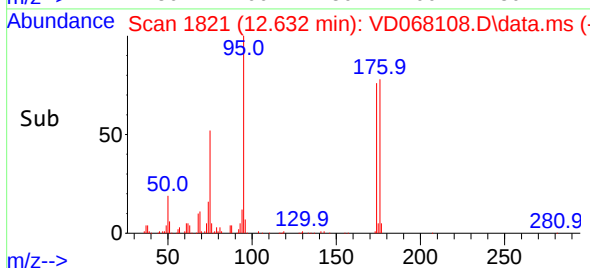
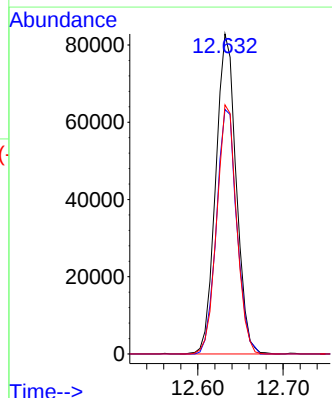
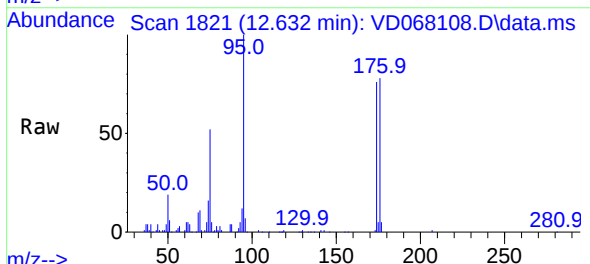
Instrument :
MSVOA_D
ClientSampleId :
BASIN-1

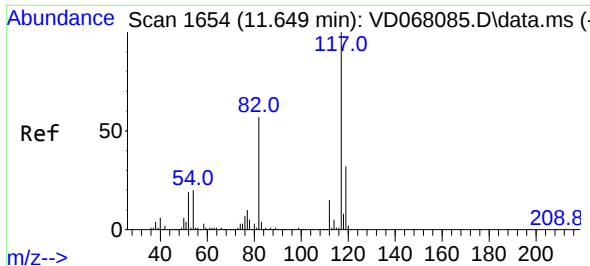
Tgt Ion: 43 Resp: 5368
Ion Ratio Lower Upper
43 100
58 53.0 31.0 93.0



#62
4-Bromofluorobenzene
Concen: 65.22 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068108.D
Acq: 20 Jan 2021 13:03

Tgt Ion: 95 Resp: 138085
Ion Ratio Lower Upper
95 100
174 75.9 0.0 172.4
176 75.2 0.0 168.4



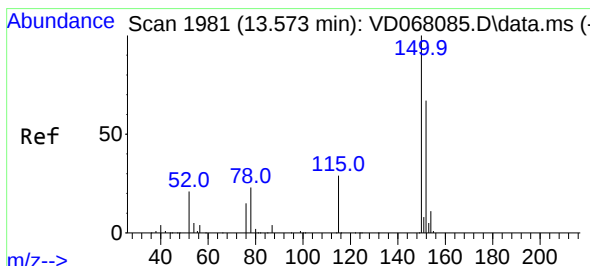
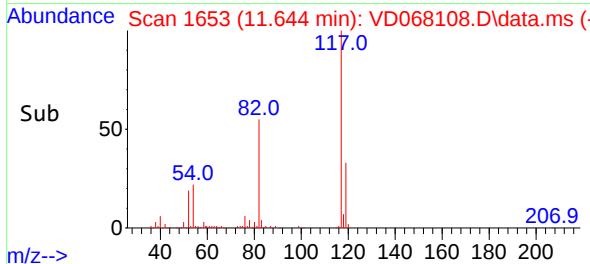
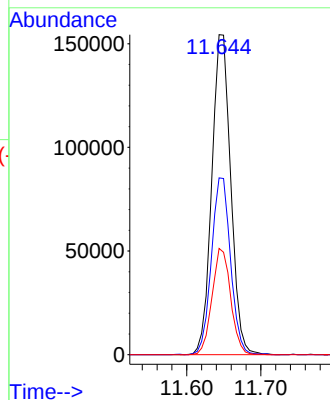
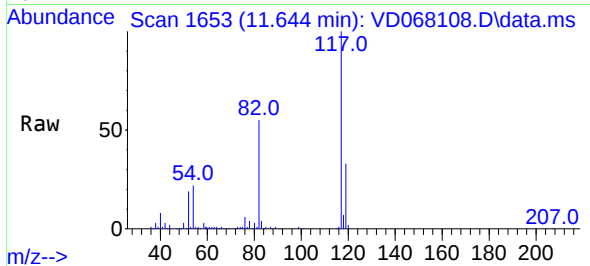


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.005 min
Lab File: VD068108.D
Acq: 20 Jan 2021 13:03

Instrument :
MSVOA_D
ClientSampleId :
BASIN-1

Tgt Ion:117 Resp: 274360

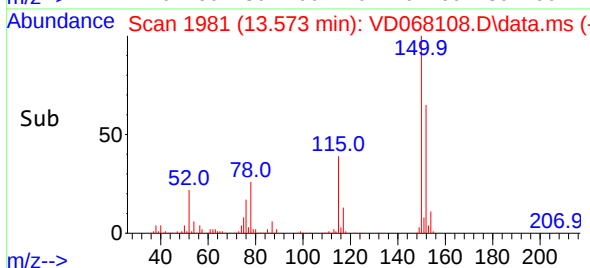
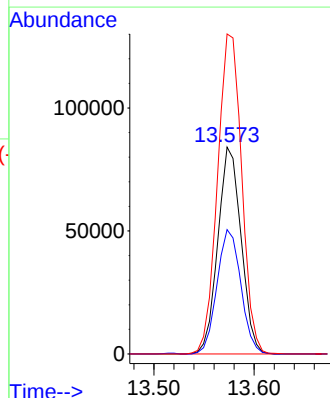
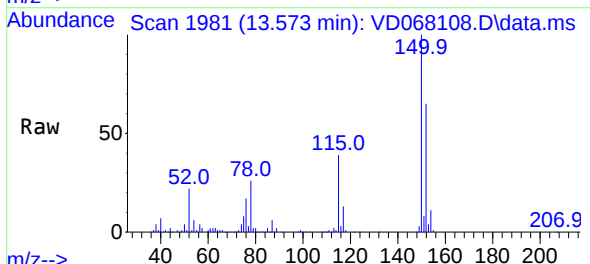
Ion	Ratio	Lower	Upper
117	100		
82	55.2	41.4	62.0
119	33.2	26.1	39.1

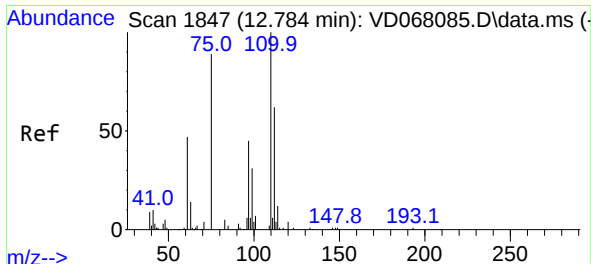


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068108.D
Acq: 20 Jan 2021 13:03

Tgt Ion:152 Resp: 135479

Ion	Ratio	Lower	Upper
152	100		
115	61.5	28.9	86.8
150	161.0	0.0	344.4

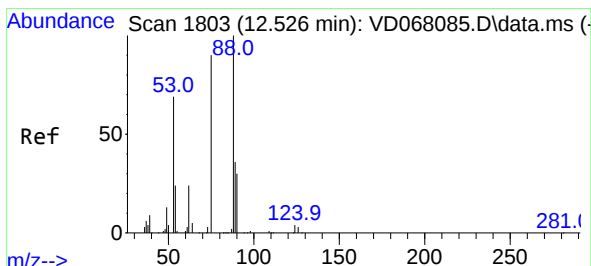
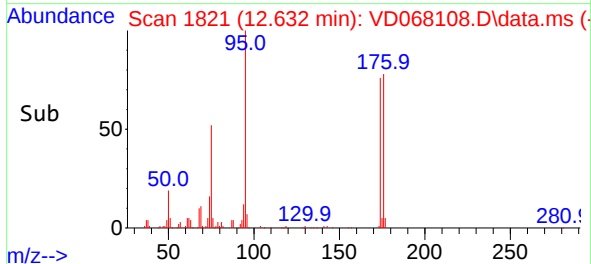
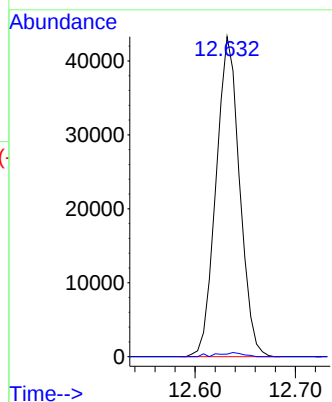
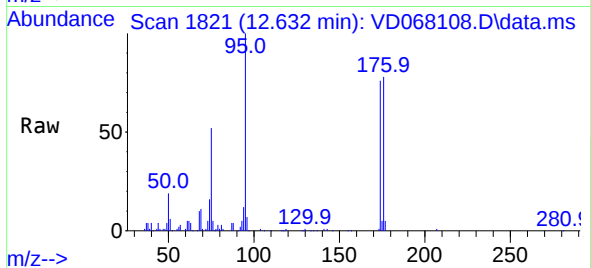




#76
1,2,3-Trichloropropane
Concen: 53.83 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068108.D
Acq: 20 Jan 2021 13:03

Instrument :
MSVOA_D
ClientSampleId :
BASIN-1

Tgt Ion: 75 Resp: 70507
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.92 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068108.D
Acq: 20 Jan 2021 13:03

Tgt Ion: 75 Resp: 70507
Ion Ratio Lower Upper
75 100
53 0.1 70.2 105.2#
89 0.0 40.3 60.5#

