

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011921\
 Data File : VD068099.D
 Acq On : 19 Jan 2021 19:15
 Operator : VA/SY
 Sample : M1160-05
 Misc : 3.48G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BASIN-2

Quant Time: Jan 20 00:32:03 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)

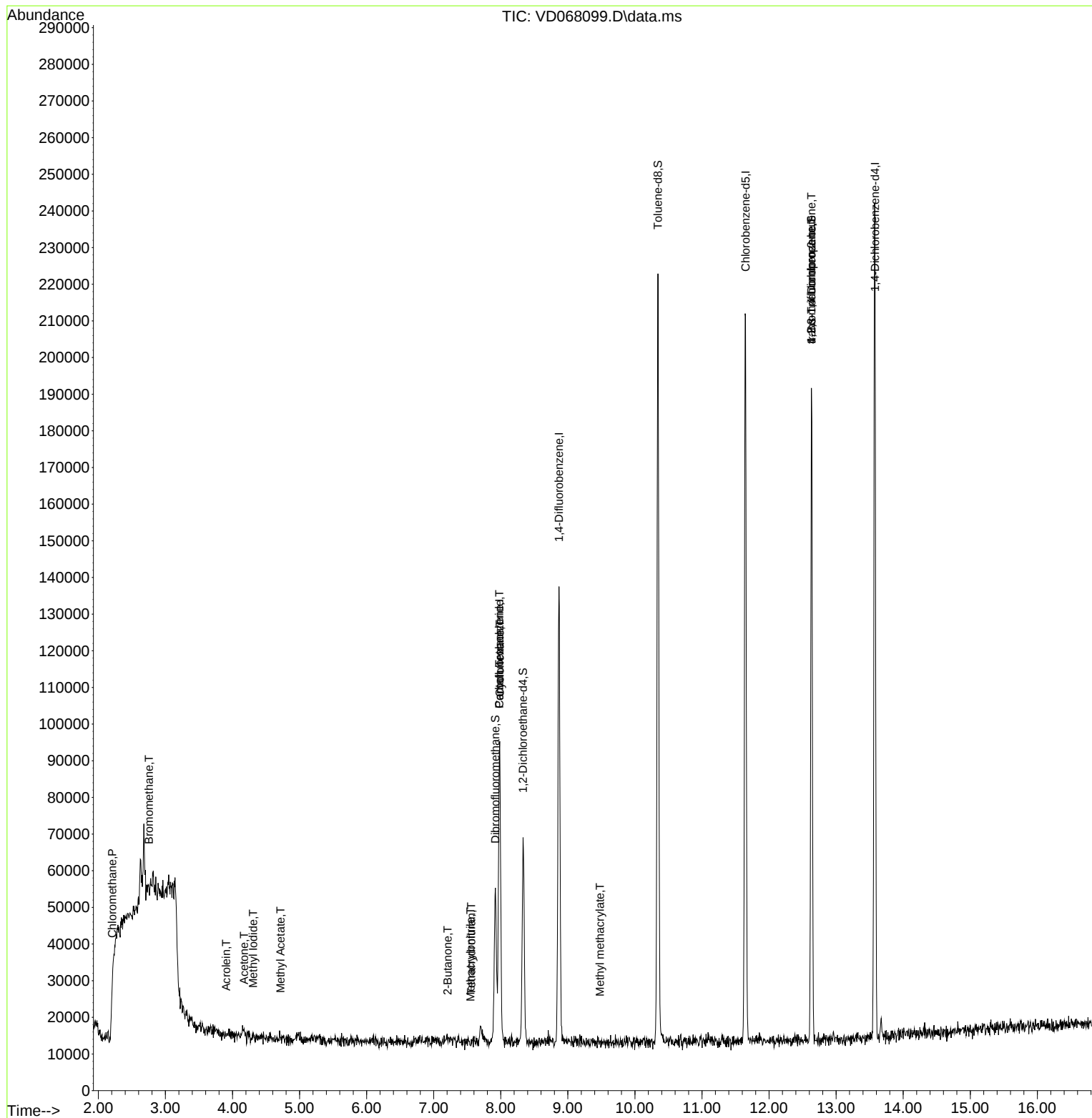
Internal Standards						
1) Pentafluorobenzene	7.979	168	59467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	111659	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	119930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.578	152	63470	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	43425	76.34	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 152.68%			
35) Dibromofluoromethane	7.920	113	29848	48.35	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.70%			
50) Toluene-d8	10.343	98	143397	58.07	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 116.14%			
62) 4-Bromofluorobenzene	12.631	95	63700	71.64	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 143.28%			
Target Compounds						Qvalue
3) Chloromethane	2.208	50	966	1.27	ug/l	92
5) Bromomethane	2.755	94	1059	1.83	ug/l #	2
10) Methyl Iodide	4.308	142	498	3.80	ug/l #	89
11) Tert butyl alcohol	5.214	59	279	Below Cal	#	74
13) Acrolein	3.908	56	168	3.75	ug/l #	1
16) Acetone	4.173	43	3770	37.12	ug/l	95
18) Methyl Acetate	4.714	43	850	3.22	ug/l #	82
20) Methylene Chloride	4.961	84	913	Below Cal	#	65
25) 2-Butanone	7.208	43	1255	8.21	ug/l #	43
29) Tetrahydrofuran	7.561	42	456	4.60	ug/l #	35
31) Cyclohexane	7.985	56	2728	2.21	ug/l #	37
38) Carbon Tetrachloride	7.979	117	6111	5.80	ug/l #	19
41) Methacrylonitrile	7.549	41	323	1.34	ug/l #	38
48) Methyl methacrylate	9.479	41	719	1.74	ug/l #	72
76) 1,2,3-Trichloropropane	12.631	75	31355	51.09	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.631	75	31355	103.39	ug/l #	14

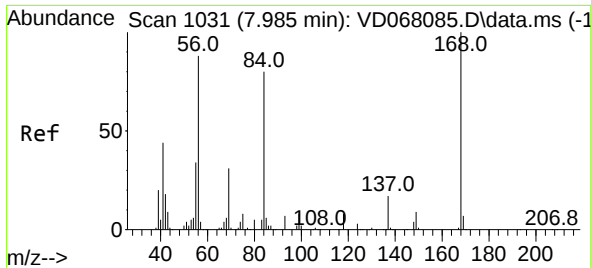
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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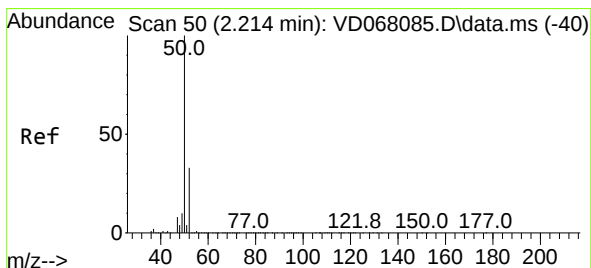
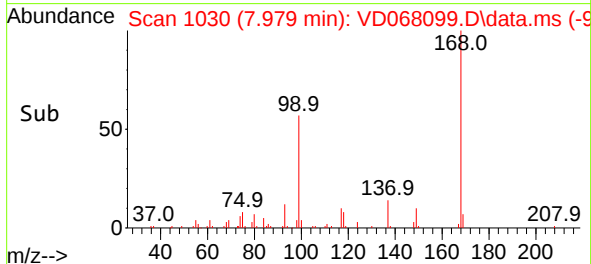
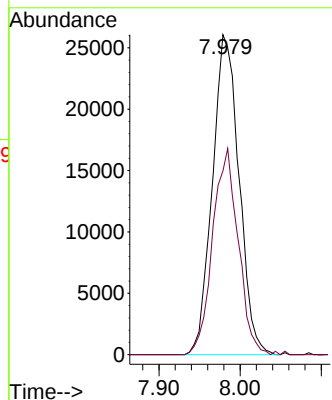
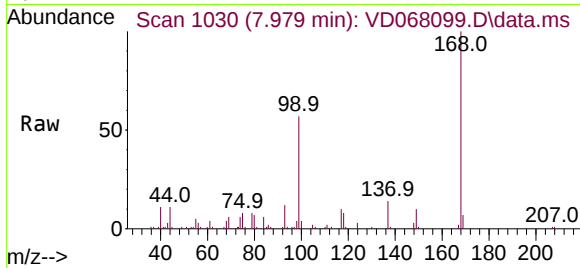




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068099.D
Acq: 19 Jan 2021 19:15

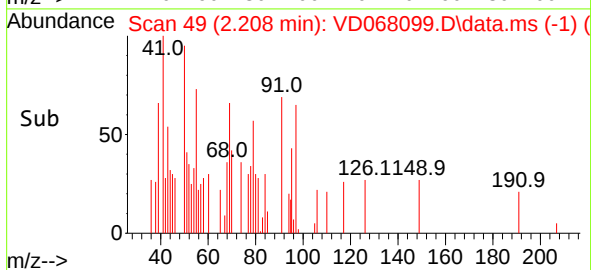
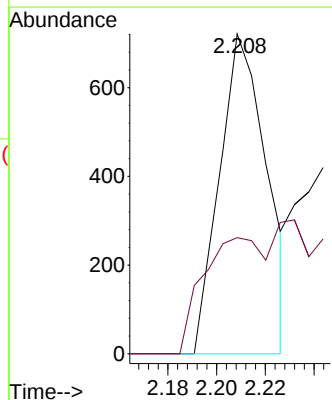
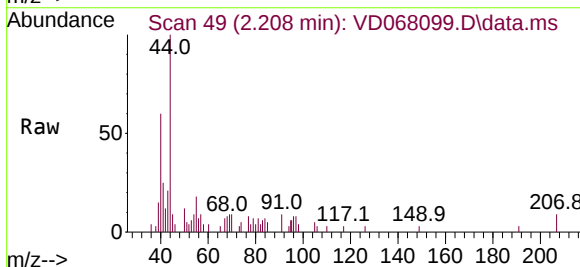
Instrument :
MSVOA_D
ClientSampled :
BASIN-2

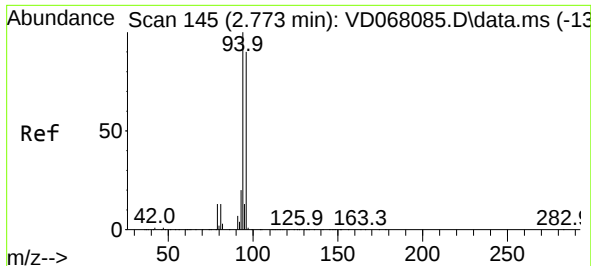
Tgt Ion:168 Resp: 59467
Ion Ratio Lower Upper
168 100
99 57.4 43.5 65.3



#3
Chloromethane
Concen: 1.27 ug/l
RT: 2.208 min Scan# 49
Delta R.T. -0.006 min
Lab File: VD068099.D
Acq: 19 Jan 2021 19:15

Tgt Ion: 50 Resp: 966
Ion Ratio Lower Upper
50 100
52 36.3 25.4 38.2

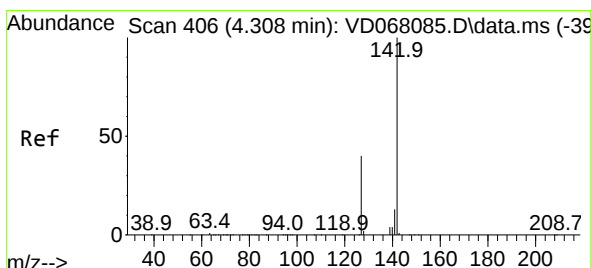
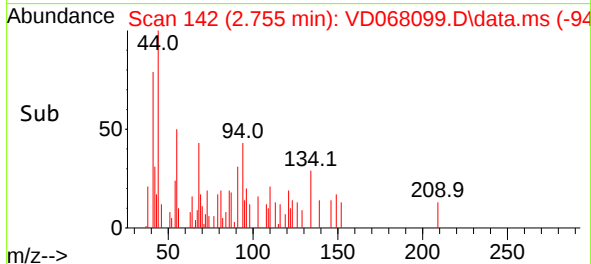
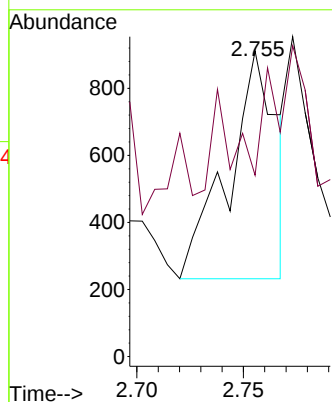
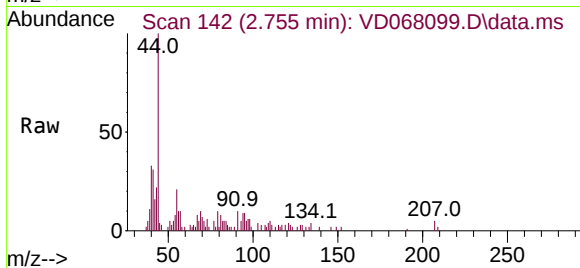




#5
Bromomethane
Concen: 1.83 ug/l
RT: 2.755 min Scan# 142
Delta R.T. -0.018 min
Lab File: VD068099.D
Acq: 19 Jan 2021 19:15

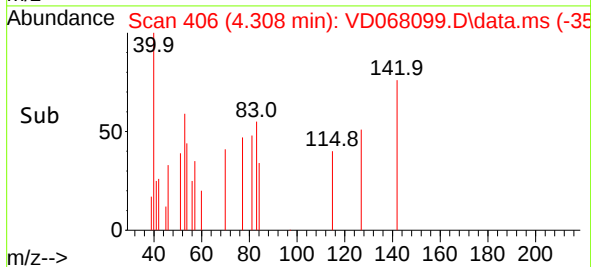
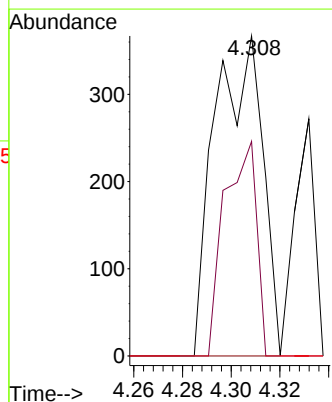
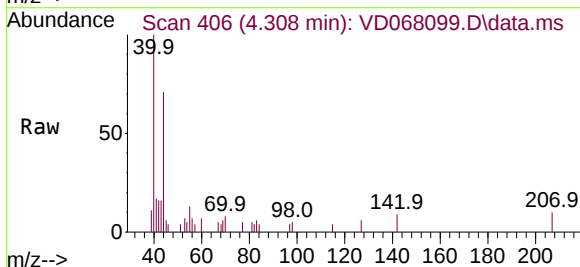
Instrument :
MSVOA_D
ClientSampled :
BASIN-2

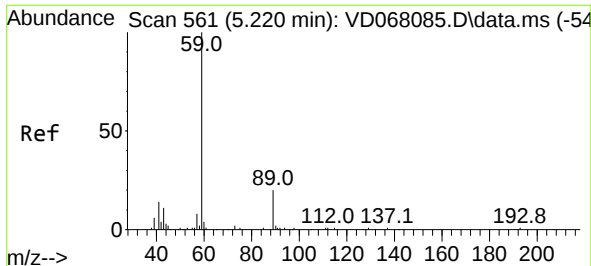
Tgt Ion: 94 Resp: 1059
Ion Ratio Lower Upper
94 100
96 0.0 75.8 113.8#



#10
Methyl Iodide
Concen: 3.80 ug/l
RT: 4.308 min Scan# 406
Delta R.T. 0.000 min
Lab File: VD068099.D
Acq: 19 Jan 2021 19:15

Tgt Ion: 142 Resp: 498
Ion Ratio Lower Upper
142 100
127 45.0 37.9 56.9
141 0.0 11.5 17.3#



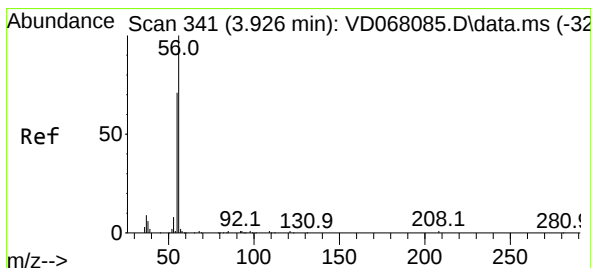
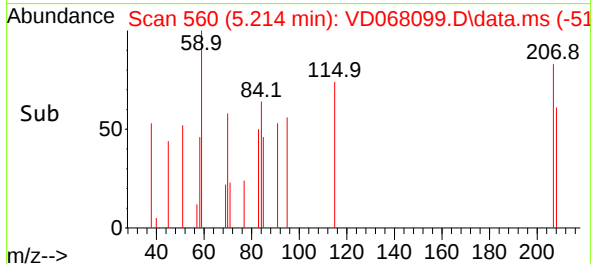
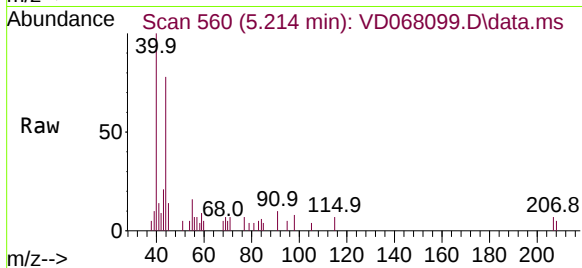


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.214 min Scan# 560
Delta R.T. -0.006 min
Lab File: VD068099.D
Acq: 19 Jan 2021 19:15

Instrument :
MSVOA_D
ClientSampleId :
BASIN-2

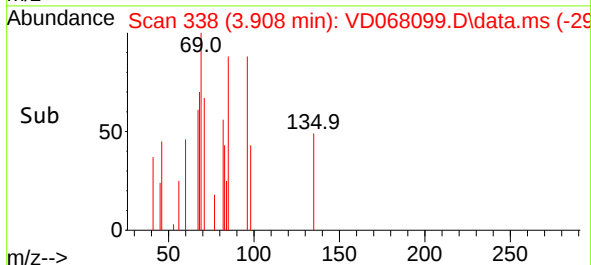
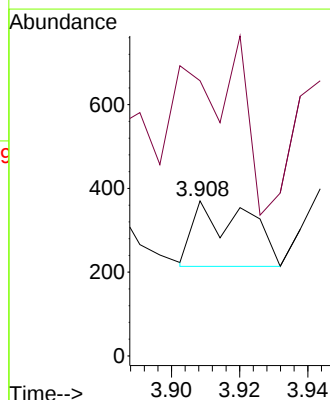
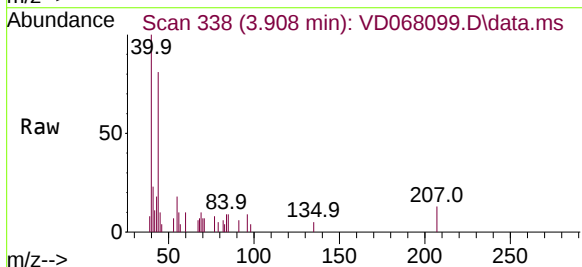
Tgt Ion: 59 Resp: 279
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

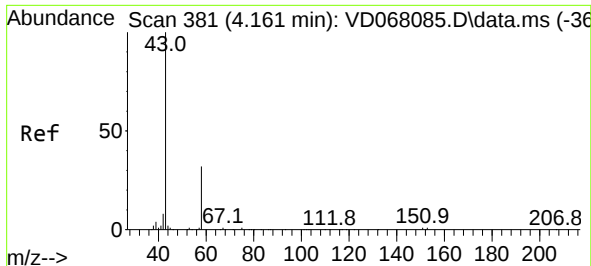


#13

Acrolein
Concen: 3.75 ug/l
RT: 3.908 min Scan# 338
Delta R.T. -0.018 min
Lab File: VD068099.D
Acq: 19 Jan 2021 19:15

Tgt Ion: 56 Resp: 168
Ion Ratio Lower Upper
56 100
55 278.6 56.5 84.7#

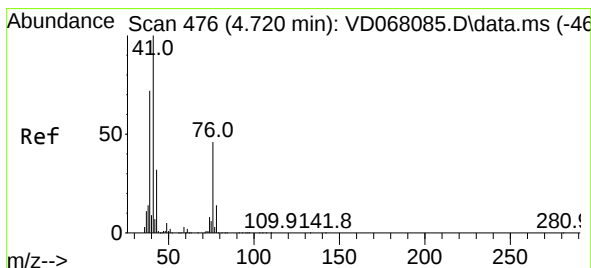
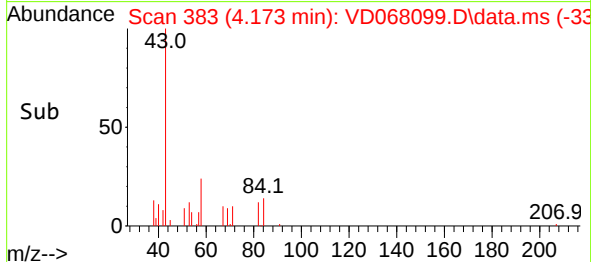
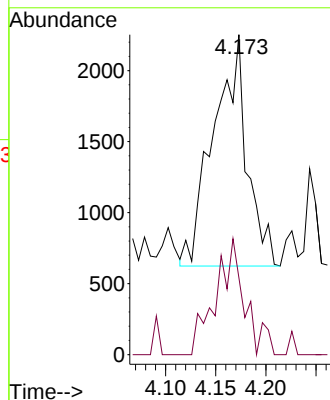
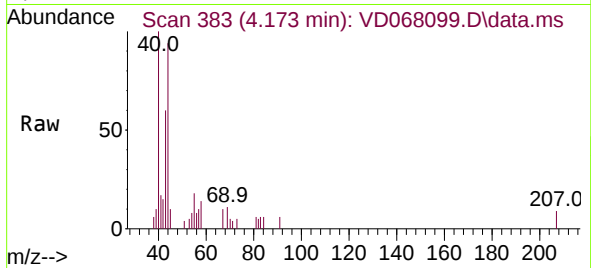




#16
Acetone
Concen: 37.12 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.012 min
Lab File: VD068099.D
Acq: 19 Jan 2021 19:15

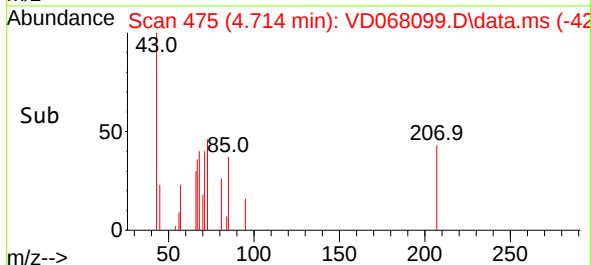
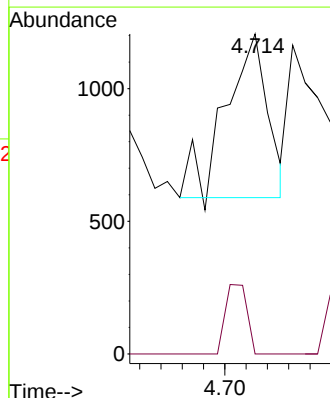
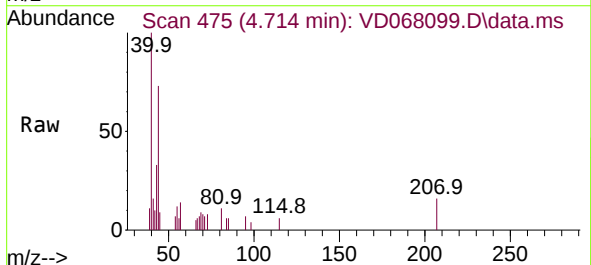
Instrument :
MSVOA_D
ClientSampleId :
BASIN-2

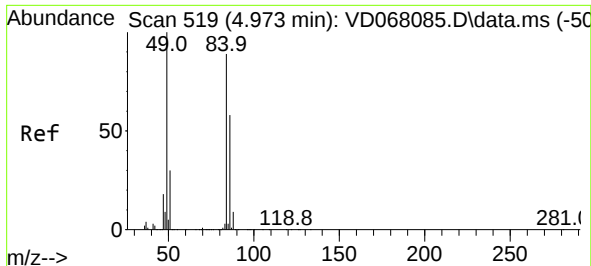
Tgt Ion: 43 Resp: 3770
Ion Ratio Lower Upper
43 100
58 33.2 24.2 36.4



#18
Methyl Acetate
Concen: 3.22 ug/l
RT: 4.714 min Scan# 475
Delta R.T. -0.006 min
Lab File: VD068099.D
Acq: 19 Jan 2021 19:15

Tgt Ion: 43 Resp: 850
Ion Ratio Lower Upper
43 100
74 21.6 25.4 38.0#

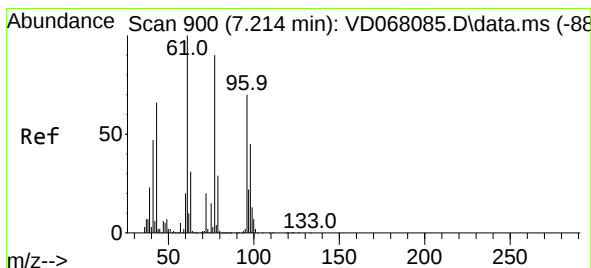
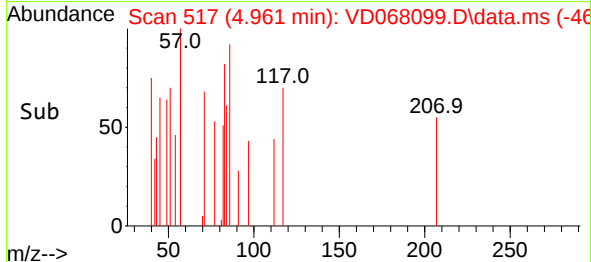
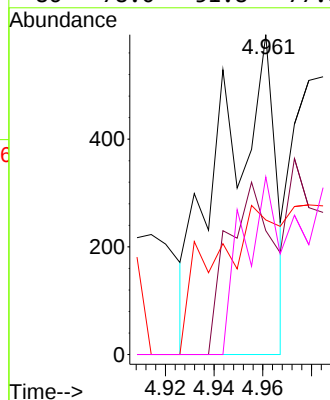
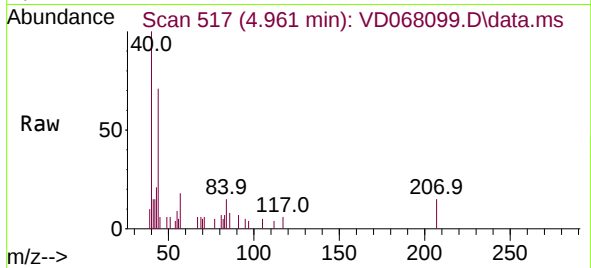




#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.012 min
Lab File: VD068099.D
Acq: 19 Jan 2021 19:15

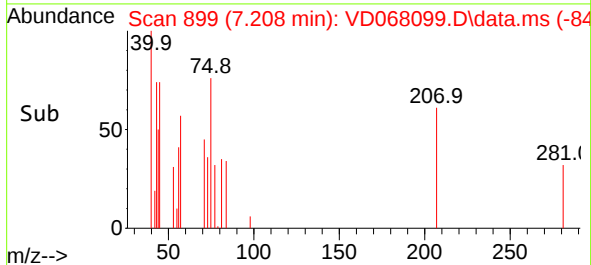
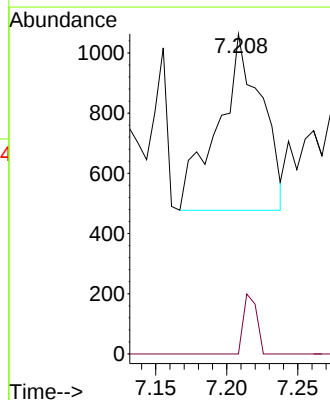
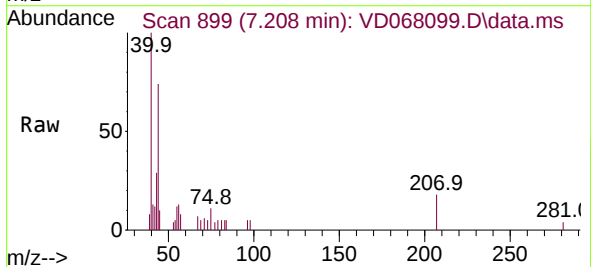
Instrument :
MSVOA_D
ClientSampled :
BASIN-2

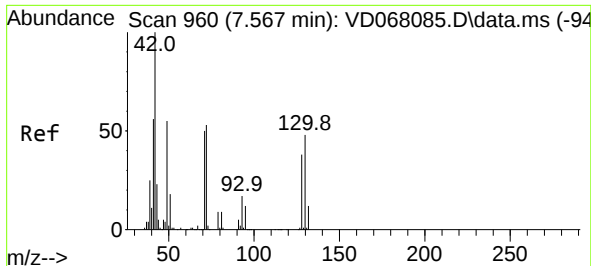
Tgt Ion: 84 Resp: 913
Ion Ratio Lower Upper
84 100
49 54.4 77.4 116.2#
51 59.1 26.1 39.1#
86 78.0 51.8 77.8#



#25
2-Butanone
Concen: 8.21 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD068099.D
Acq: 19 Jan 2021 19:15

Tgt Ion: 43 Resp: 1255
Ion Ratio Lower Upper
43 100
72 0.0 25.1 37.7#





#29

Tetrahydrofuran

Concen: 4.60 ug/l

RT: 7.561 min Scan# 959

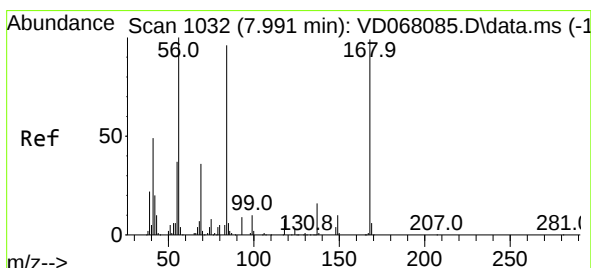
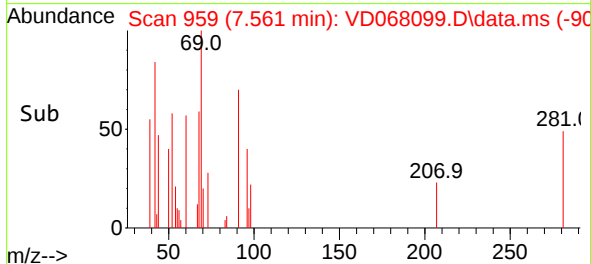
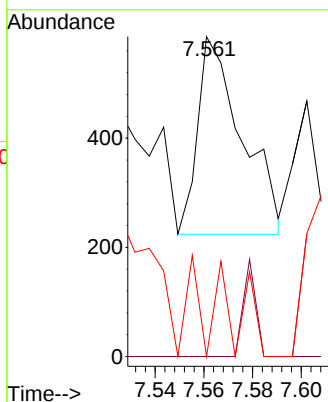
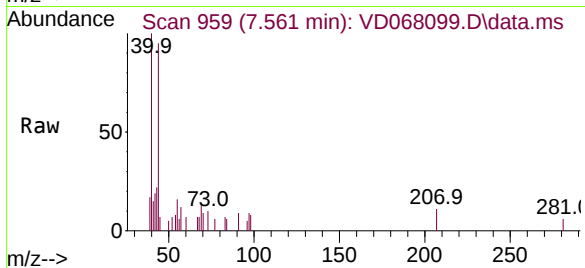
Delta R.T. -0.006 min

Lab File: VD068099.D

Acq: 19 Jan 2021 19:15

Instrument :
MSVOA_D
ClientSampled :
BASIN-2

Tgt Ion: 42	Resp:	456
Ion Ratio	Lower	Upper
42	100	
72	0.0	43.4 65.0#
71	14.3	40.8 61.2#



#31

Cyclohexane

Concen: 2.21 ug/l

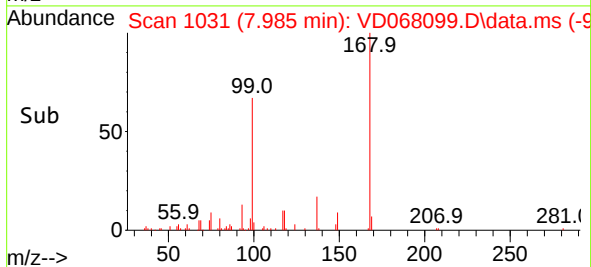
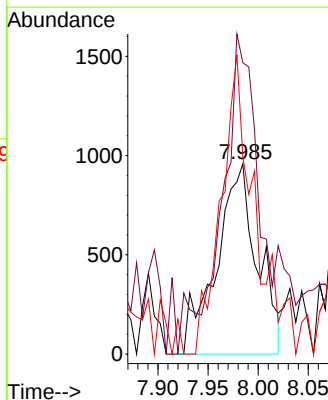
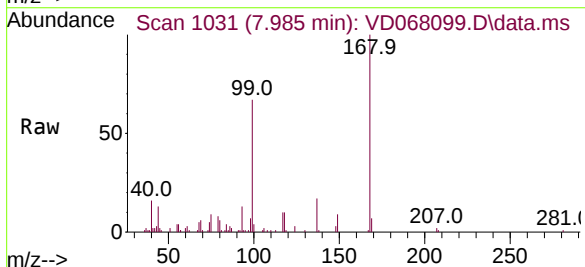
RT: 7.985 min Scan# 1031

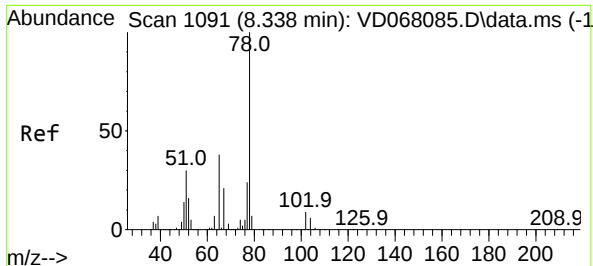
Delta R.T. -0.006 min

Lab File: VD068099.D

Acq: 19 Jan 2021 19:15

Tgt Ion: 56	Resp:	2728
Ion Ratio	Lower	Upper
56	100	
69	153.2	30.1 45.1#
84	87.0	82.1 123.1

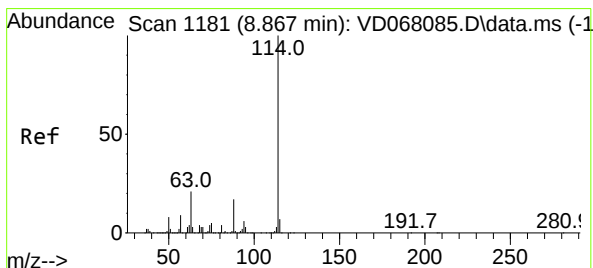
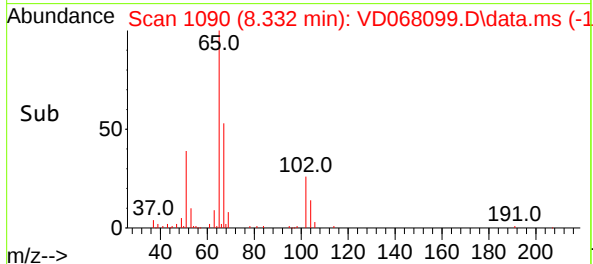
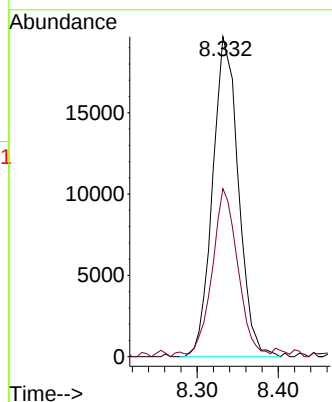
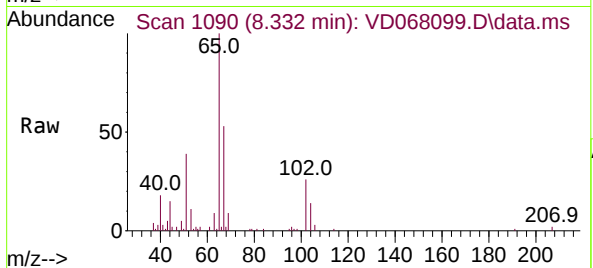




#33
1,2-Dichloroethane-d4
Concen: 76.34 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VD068099.D
Acq: 19 Jan 2021 19:15

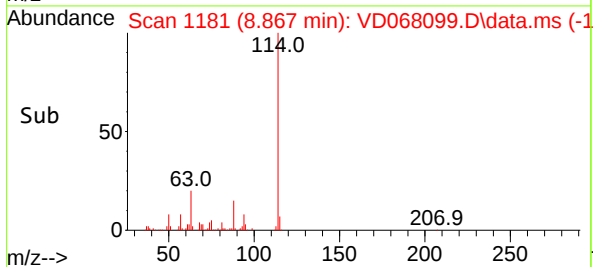
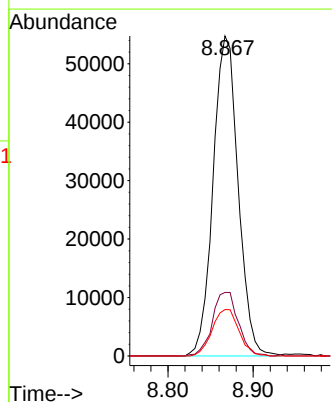
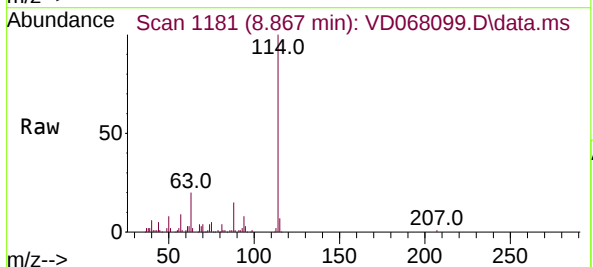
Instrument :
MSVOA_D
ClientSampleId :
BASIN-2

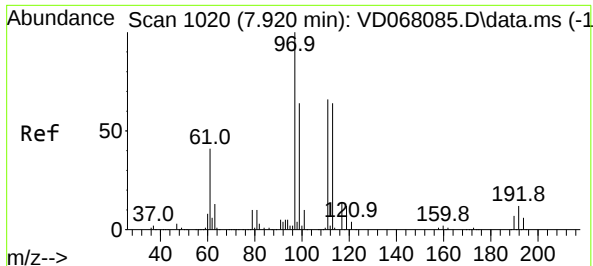
Tgt Ion: 65 Resp: 43425
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VD068099.D
Acq: 19 Jan 2021 19:15

Tgt Ion: 114 Resp: 111659
Ion Ratio Lower Upper
114 100
63 19.8 0.0 34.8
88 14.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.35 ug/l

RT: 7.920 min Scan# 1020

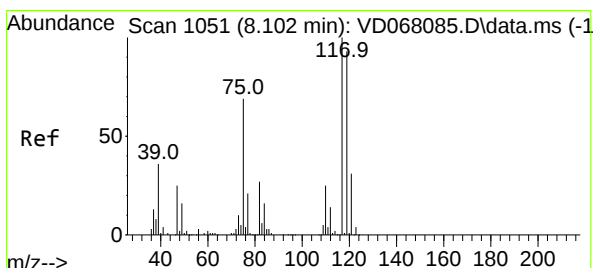
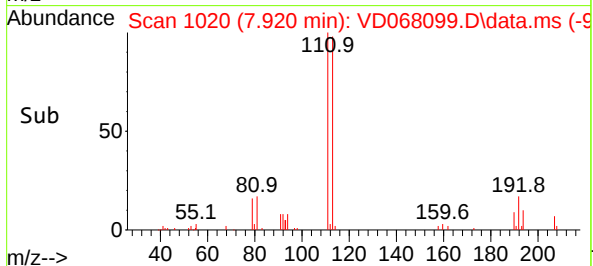
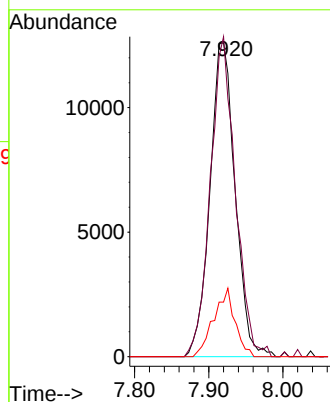
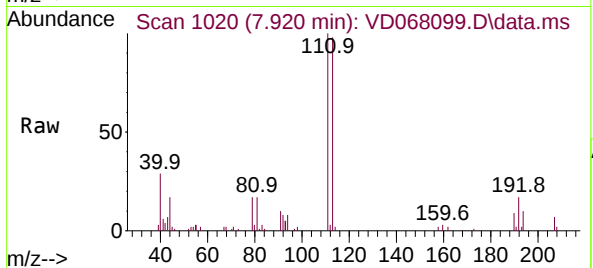
Delta R.T. -0.000 min

Lab File: VD068099.D

Acq: 19 Jan 2021 19:15

Tgt Ion:	113	Resp:	29848
Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.4	122.0
192	18.4	16.1	24.1

Instrument :
MSVOA_D
ClientSampled :
BASIN-2



#38

Carbon Tetrachloride

Concen: 5.80 ug/l

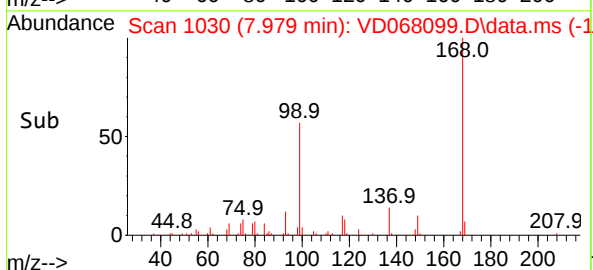
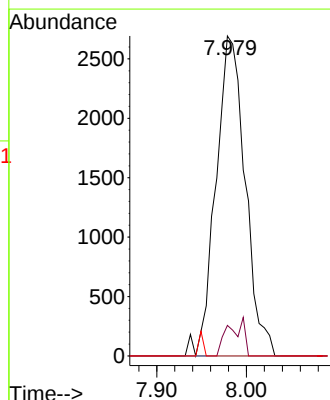
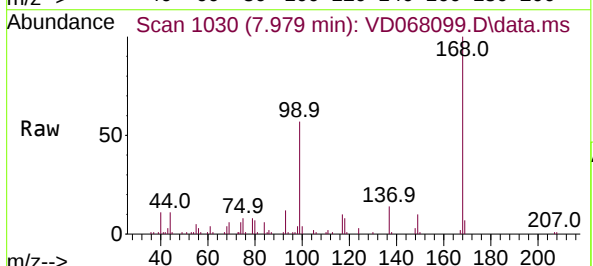
RT: 7.979 min Scan# 1030

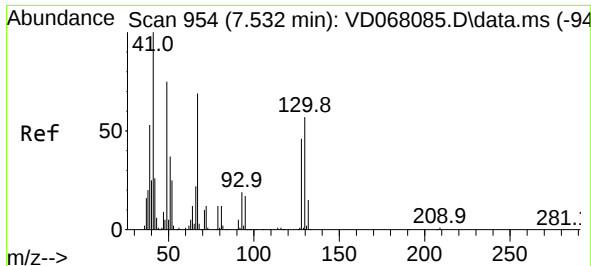
Delta R.T. -0.124 min

Lab File: VD068099.D

Acq: 19 Jan 2021 19:15

Tgt Ion:	117	Resp:	6111
Ion	Ratio	Lower	Upper
117	100		
119	9.5	77.3	115.9#
121	0.0	24.7	37.1#

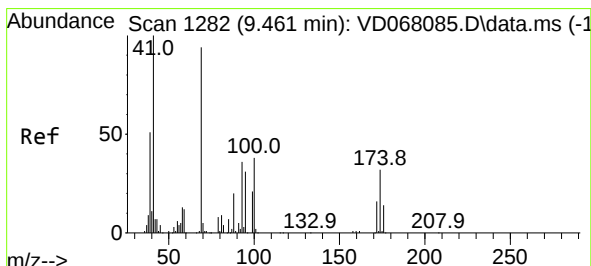
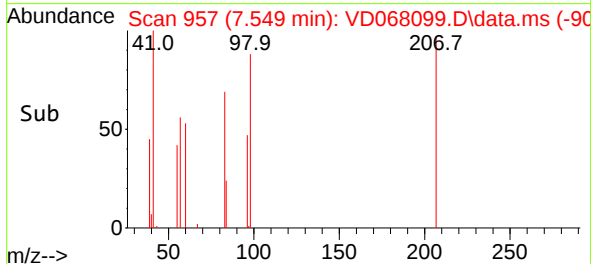
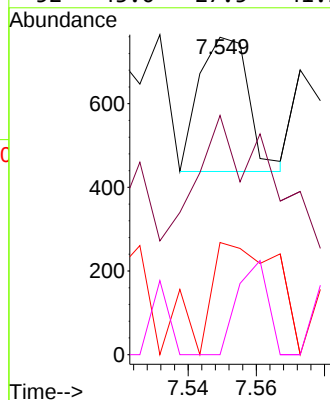
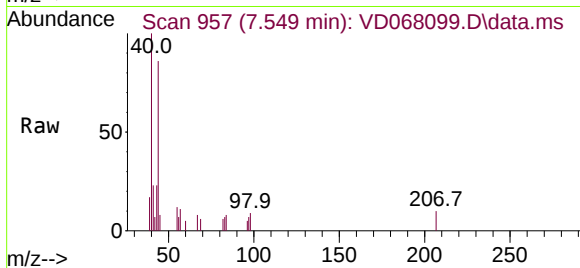




#41
Methacrylonitrile
Concen: 1.34 ug/l
RT: 7.549 min Scan# 957
Delta R.T. 0.017 min
Lab File: VD068099.D
Acq: 19 Jan 2021 19:15

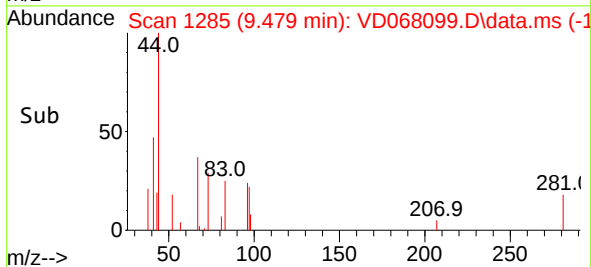
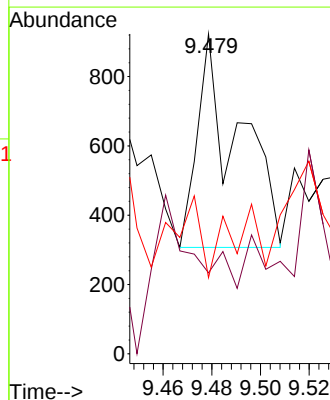
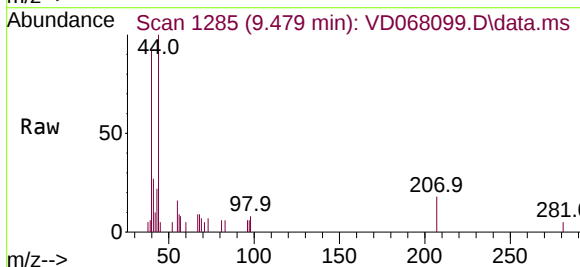
Instrument :
MSVOA_D
ClientSampleId :
BASIN-2

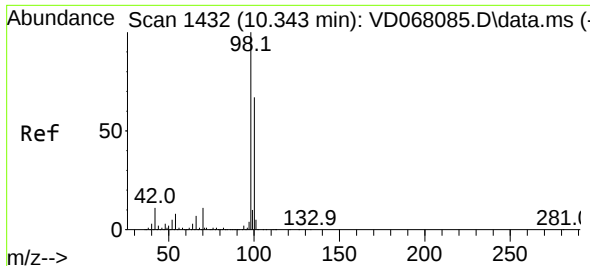
Tgt Ion:	41	Resp:	323
Ion	Ratio	Lower	Upper
41	100		
39	163.5	45.2	67.8#
67	107.1	67.4	101.2#
52	43.0	27.5	41.3#



#48
Methyl methacrylate
Concen: 1.74 ug/l
RT: 9.479 min Scan# 1285
Delta R.T. 0.018 min
Lab File: VD068099.D
Acq: 19 Jan 2021 19:15

Tgt Ion:	41	Resp:	719
Ion	Ratio	Lower	Upper
41	100		
69	74.7	77.1	115.7#
39	25.0	41.5	62.3#

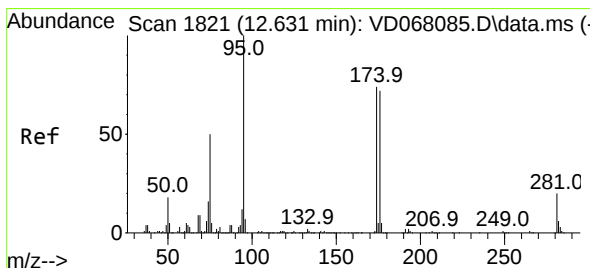
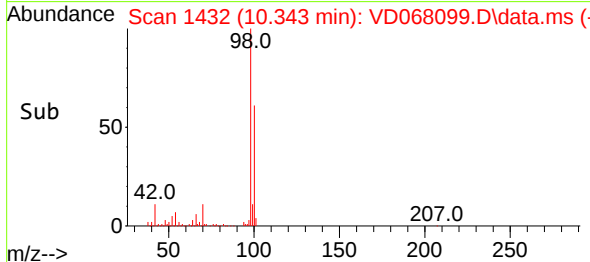
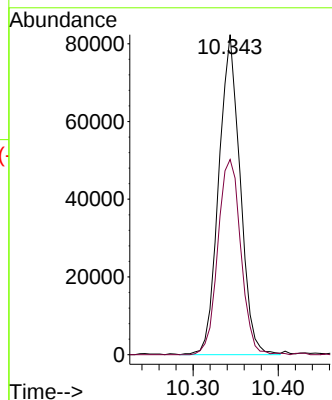
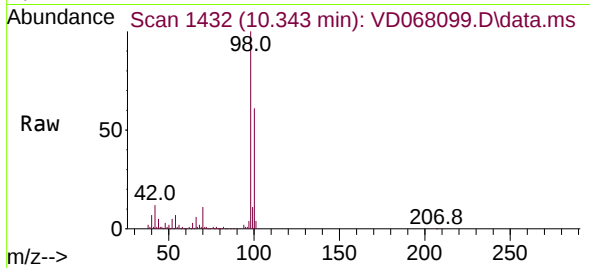




#50
Toluene-d8
Concen: 58.07 ug/l
RT: 10.343 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VD068099.D
Acq: 19 Jan 2021 19:15

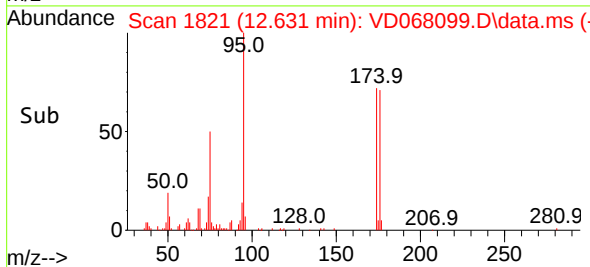
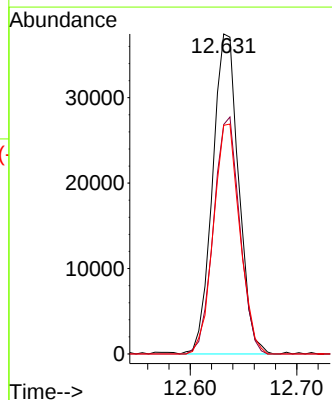
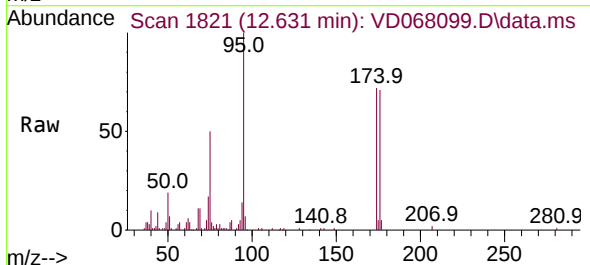
Instrument :
MSVOA_D
ClientSampleId :
BASIN-2

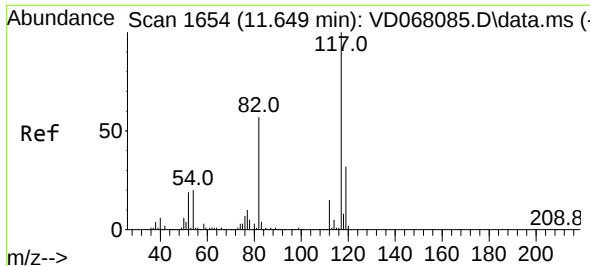
Tgt Ion: 98 Resp: 143397
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 71.64 ug/l
RT: 12.631 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD068099.D
Acq: 19 Jan 2021 19:15

Tgt Ion: 95 Resp: 63700
Ion Ratio Lower Upper
95 100
174 73.9 0.0 172.4
176 72.5 0.0 168.4

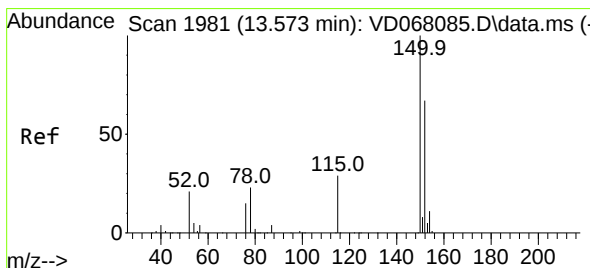
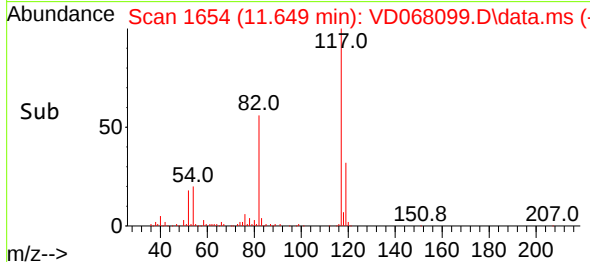
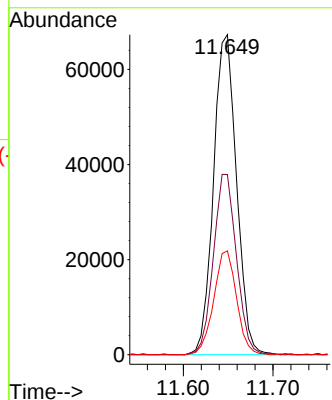
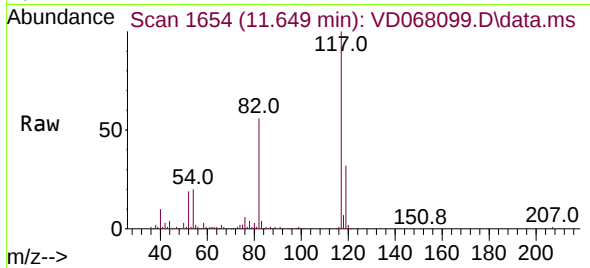




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068099.D
Acq: 19 Jan 2021 19:15

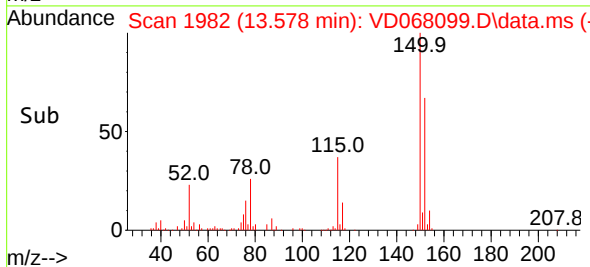
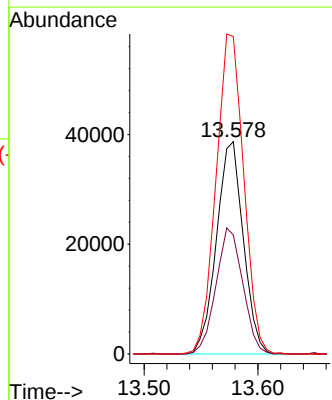
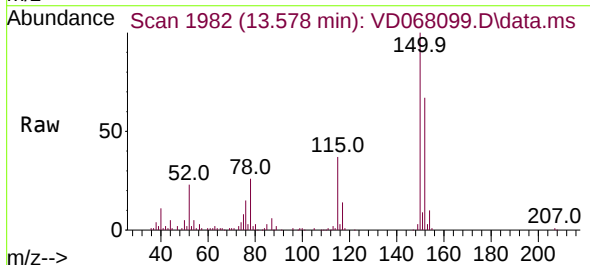
Instrument :
MSVOA_D
ClientSampleId :
BASIN-2

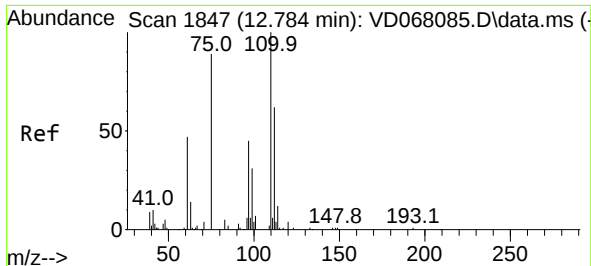
Tgt Ion:	117	Resp:	119930
Ion Ratio	Lower	Upper	
117	100		
82	56.3	41.4	62.0
119	32.5	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.578 min Scan# 1982
Delta R.T. 0.006 min
Lab File: VD068099.D
Acq: 19 Jan 2021 19:15

Tgt Ion:	152	Resp:	63470
Ion Ratio	Lower	Upper	
152	100		
115	59.4	28.9	86.8
150	155.6	0.0	344.4

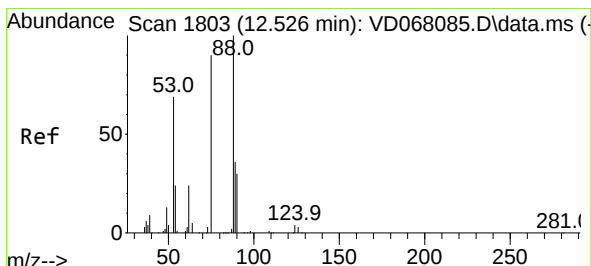
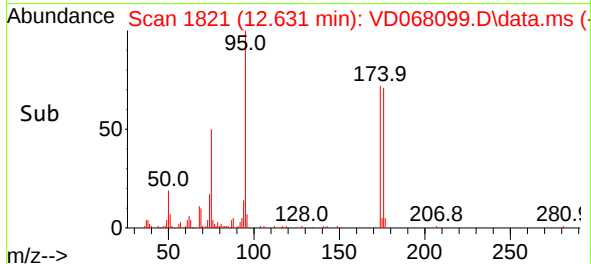
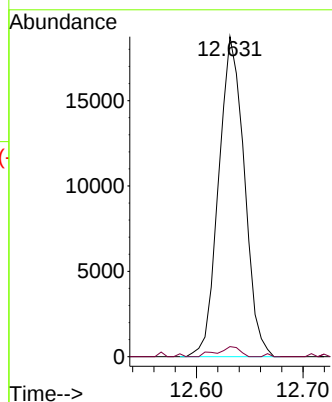
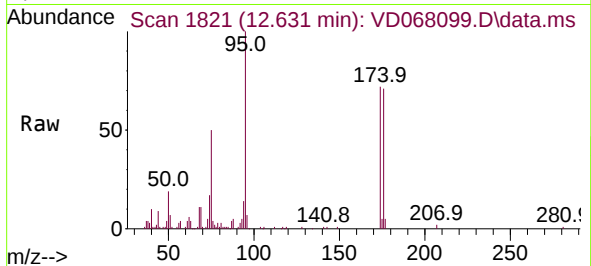




#76
1,2,3-Trichloropropane
Concen: 51.09 ug/l
RT: 12.631 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068099.D
Acq: 19 Jan 2021 19:15

Instrument :
MSVOA_D
ClientSampleId :
BASIN-2

Tgt Ion: 75 Resp: 31355
Ion Ratio Lower Upper
75 100
77 2.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.39 ug/l
RT: 12.631 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068099.D
Acq: 19 Jan 2021 19:15

Tgt Ion: 75 Resp: 31355
Ion Ratio Lower Upper
75 100
53 0.2 70.2 105.2#
89 0.0 40.3 60.5#

