

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011921\
 Data File : VD068101.D
 Acq On : 19 Jan 2021 20:09
 Operator : VA/SY
 Sample : M1167-09
 Misc : 5.21G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BASIN-4

Quant Time: Jan 20 00:32:29 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)

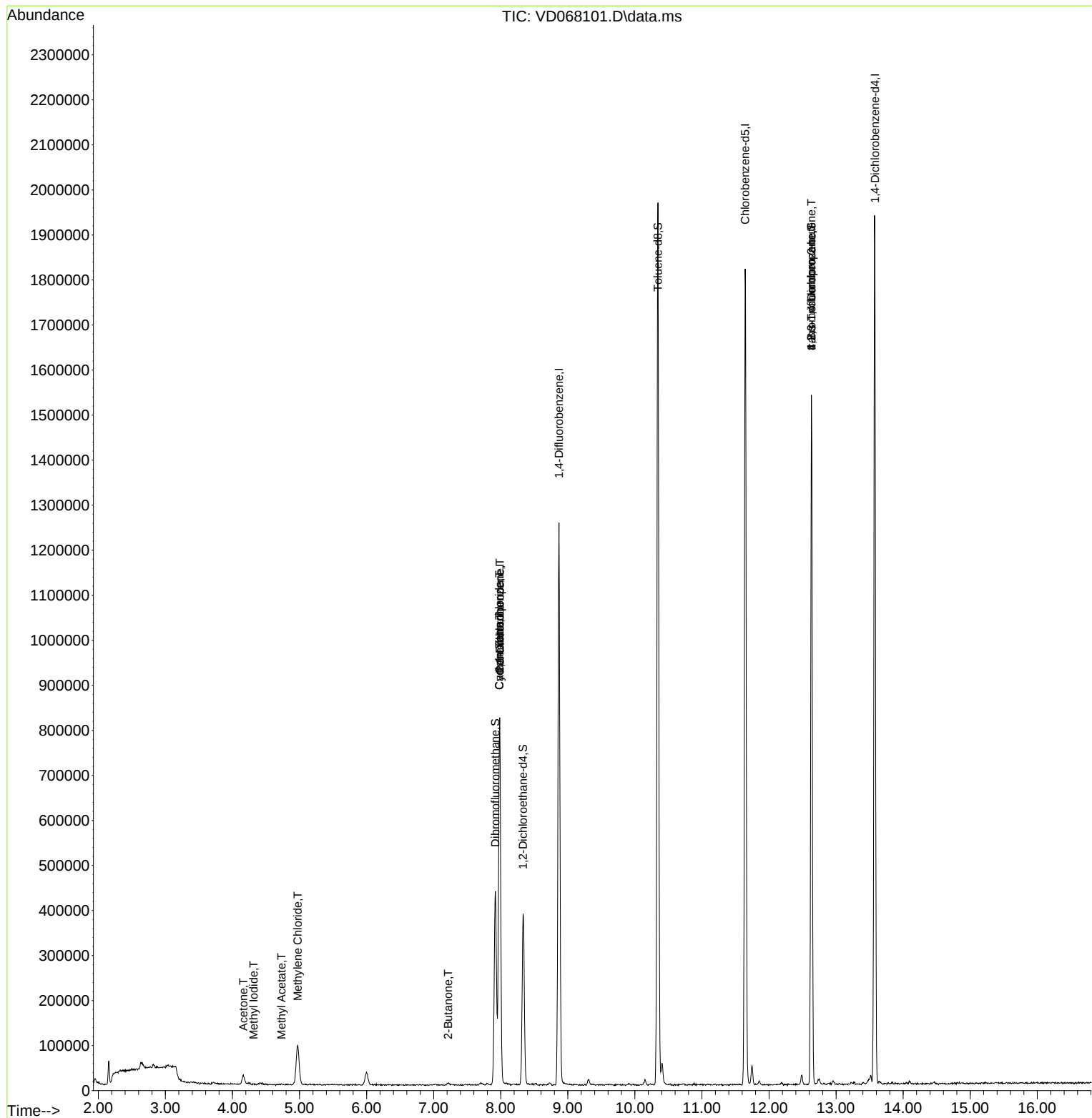
Internal Standards						
1) Pentafluorobenzene	7.985	168	613916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1085842	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	1090613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	522400	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	317649	54.09	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.18%			
35) Dibromofluoromethane	7.920	113	317194	52.84	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.68%			
50) Toluene-d8	10.344	98	1381634	57.54	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 115.08%			
62) 4-Bromofluorobenzene	12.632	95	540121	62.46	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 124.92%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.315	142	681	3.25	ug/l #	78
11) Tert butyl alcohol	5.226	59	211	Below Cal	#	1
16) Acetone	4.162	43	35389	33.75	ug/l	97
18) Methyl Acetate	4.732	43	3340	1.23	ug/l #	61
20) Methylene Chloride	4.973	84	73630	6.58	ug/l #	88
25) 2-Butanone	7.214	43	4630	2.93	ug/l	89
31) Cyclohexane	7.979	56	14133	1.11	ug/l #	15
36) 1,1-Dichloropropene	7.985	75	48373	4.42	ug/l #	48
38) Carbon Tetrachloride	7.979	117	62486	6.10	ug/l #	15
76) 1,2,3-Trichloropropane	12.632	75	271649	53.78	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	271649	108.83	ug/l #	14

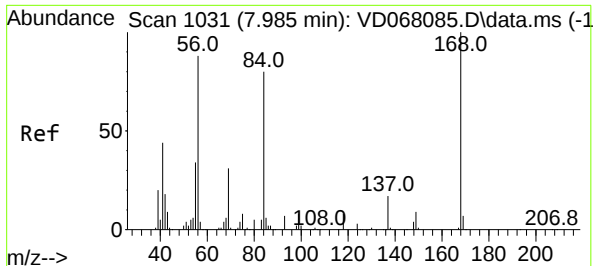
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 20 00:32:29 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

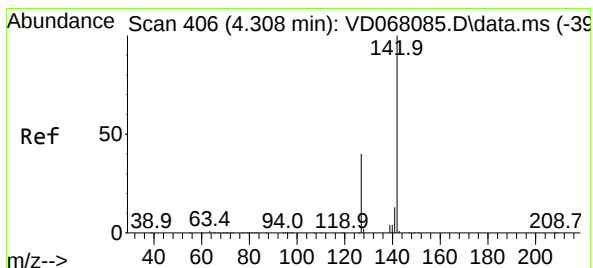
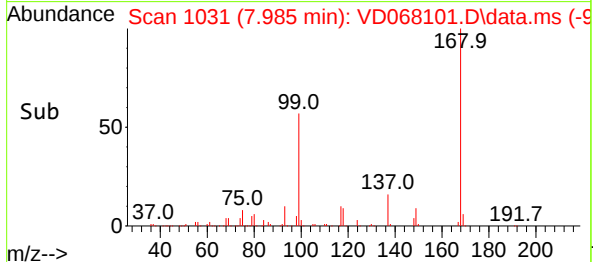
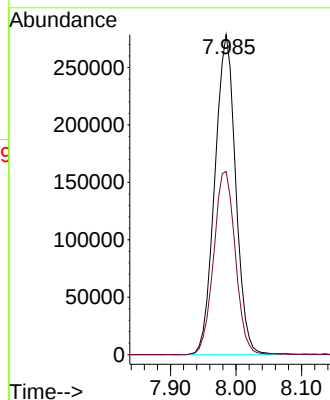
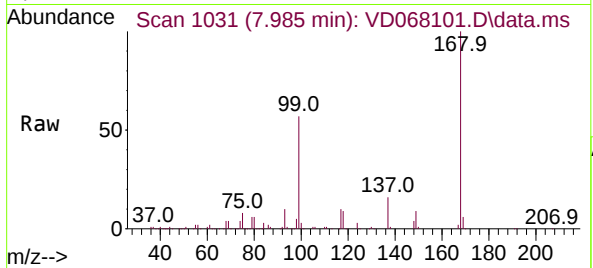




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068101.D
Acq: 19 Jan 2021 20:09

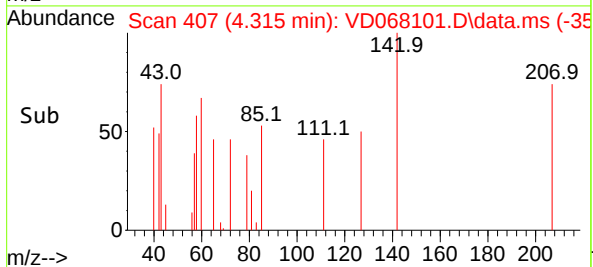
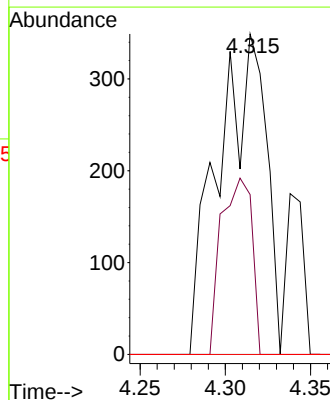
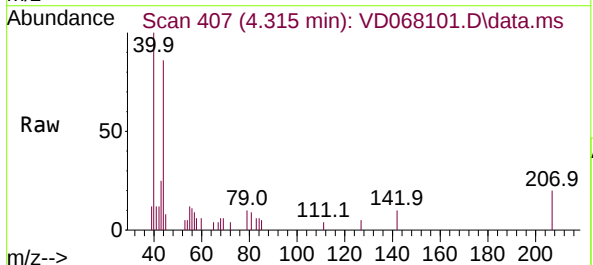
Instrument :
MSVOA_D
ClientSampleId :
BASIN-4

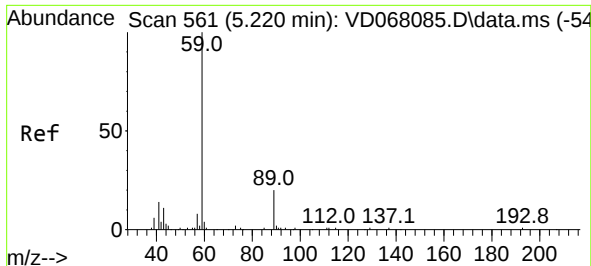
Tgt Ion:168 Resp: 613916
Ion Ratio Lower Upper
168 100
99 57.3 43.5 65.3



#10
Methyl Iodide
Concen: 3.25 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.007 min
Lab File: VD068101.D
Acq: 19 Jan 2021 20:09

Tgt Ion:142 Resp: 681
Ion Ratio Lower Upper
142 100
127 35.2 37.9 56.9#
141 0.0 11.5 17.3#



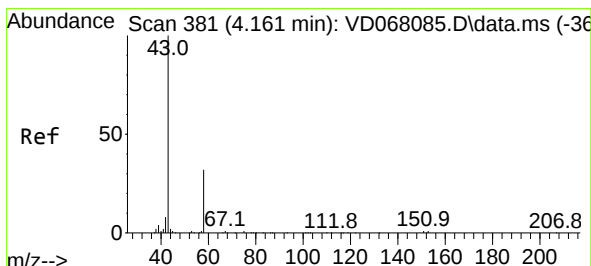
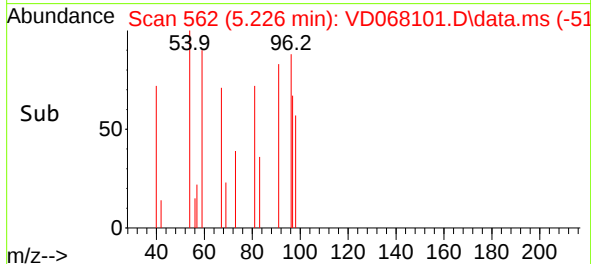
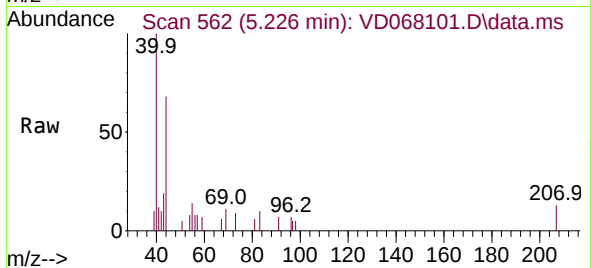


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.226 min Scan# 562
Delta R.T. 0.006 min
Lab File: VD068101.D
Acq: 19 Jan 2021 20:09

Instrument :
MSVOA_D
ClientSampleId :
BASIN-4

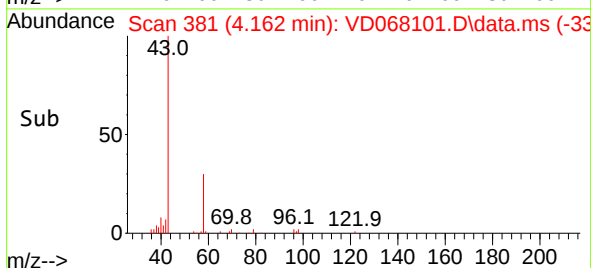
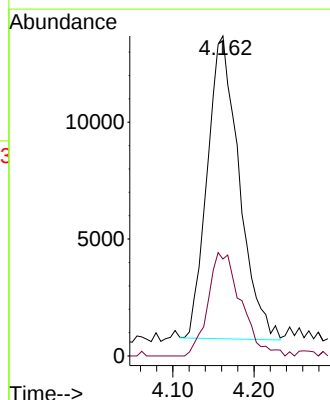
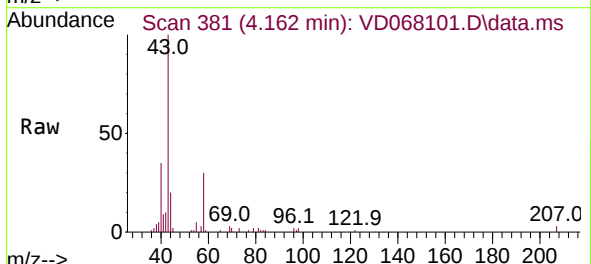
Tgt Ion: 59 Resp: 211
Ion Ratio Lower Upper
59 100
57 241.2 7.4 11.2#

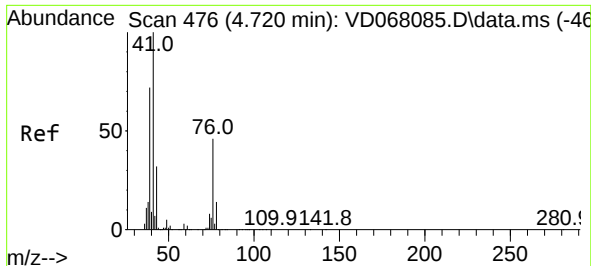


#16

Acetone
Concen: 33.75 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068101.D
Acq: 19 Jan 2021 20:09

Tgt Ion: 43 Resp: 35389
Ion Ratio Lower Upper
43 100
58 32.1 24.2 36.4





#18

Methyl Acetate

Concen: 1.23 ug/l

RT: 4.732 min Scan# 478

Delta R.T. 0.012 min

Lab File: VD068101.D

Acq: 19 Jan 2021 20:09

Tgt Ion: 43 Resp: 3340

Ion Ratio Lower Upper

43 100

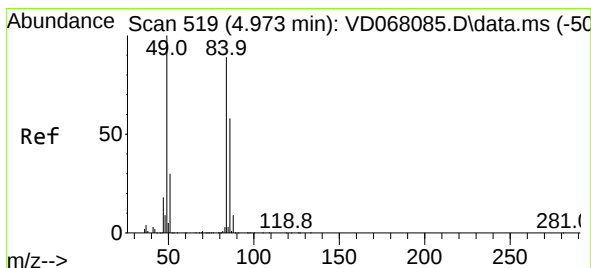
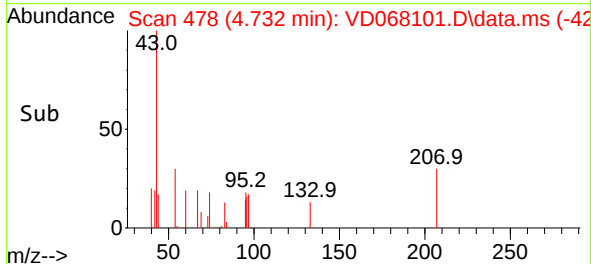
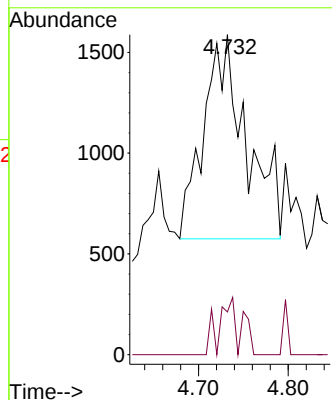
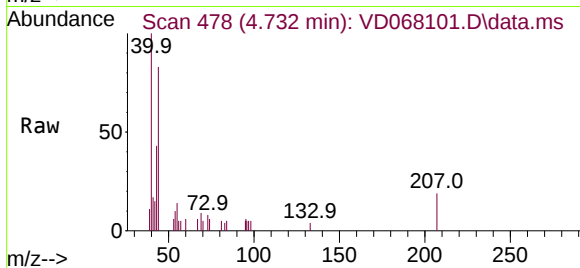
74 10.1 25.4 38.0#

Instrument :

MSVOA_D

ClientSampleId :

BASIN-4



#20

Methylene Chloride

Concen: 6.58 ug/l

RT: 4.973 min Scan# 519

Delta R.T. 0.000 min

Lab File: VD068101.D

Acq: 19 Jan 2021 20:09

Tgt Ion: 84 Resp: 73630

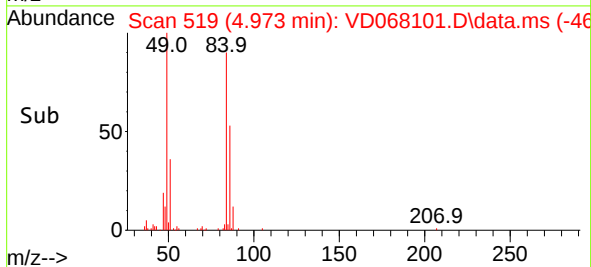
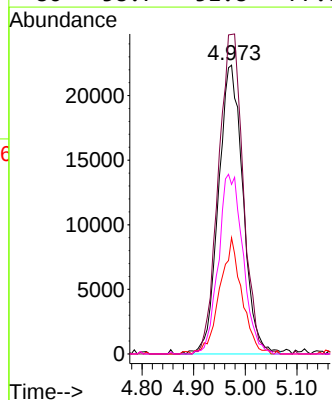
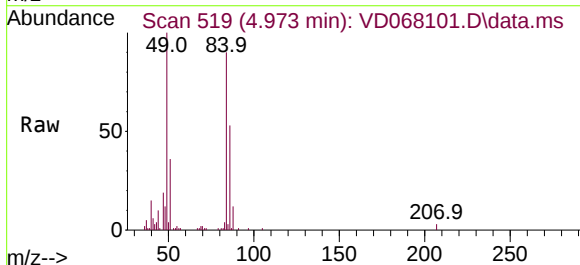
Ion Ratio Lower Upper

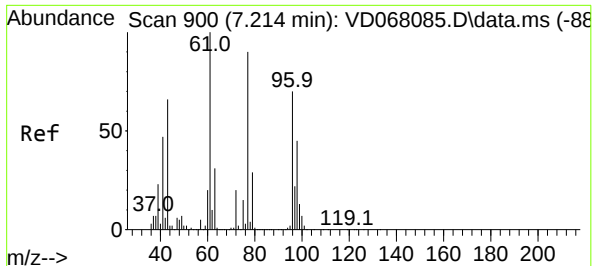
84 100

49 110.6 77.4 116.2

51 40.2 26.1 39.1#

86 58.7 51.8 77.8

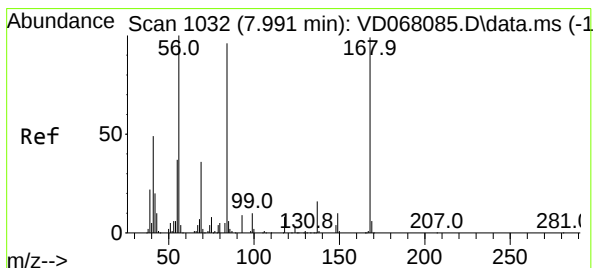
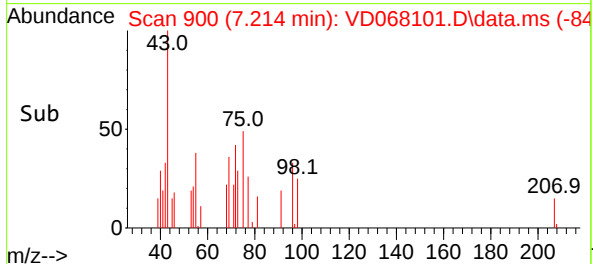
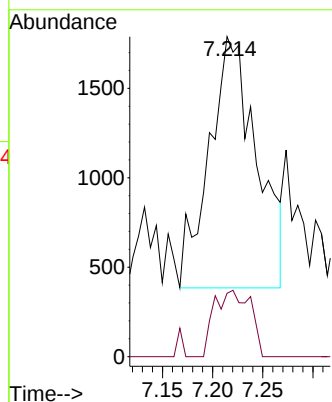
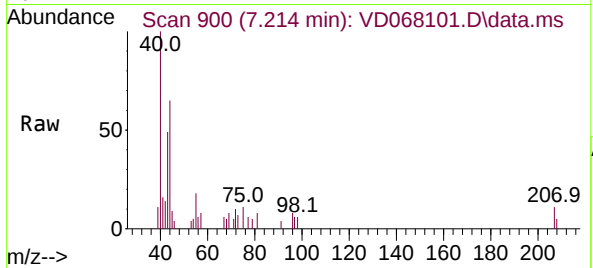




#25
2-Butanone
Concen: 2.93 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD068101.D
Acq: 19 Jan 2021 20:09

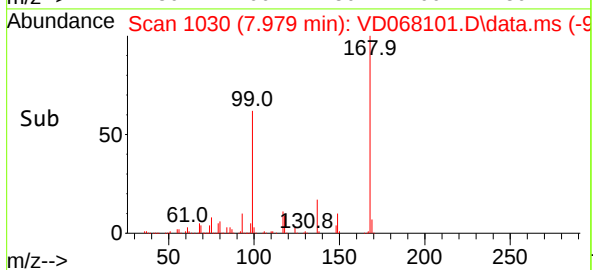
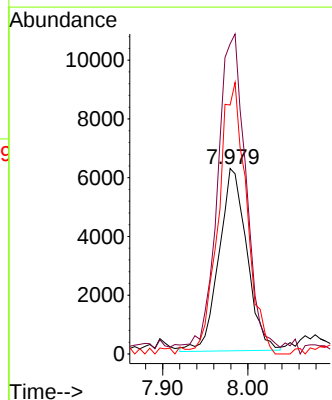
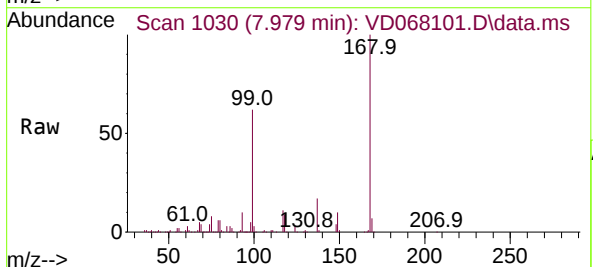
Instrument :
MSVOA_D
ClientSampleId :
BASIN-4

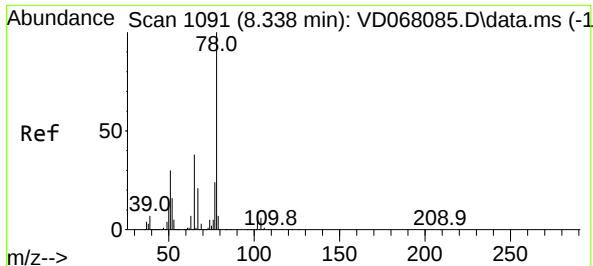
Tgt Ion: 43 Resp: 4630
Ion Ratio Lower Upper
43 100
72 25.2 25.1 37.7



#31
Cyclohexane
Concen: 1.11 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.011 min
Lab File: VD068101.D
Acq: 19 Jan 2021 20:09

Tgt Ion: 56 Resp: 14133
Ion Ratio Lower Upper
56 100
69 169.2 30.1 45.1#
84 138.8 82.1 123.1#

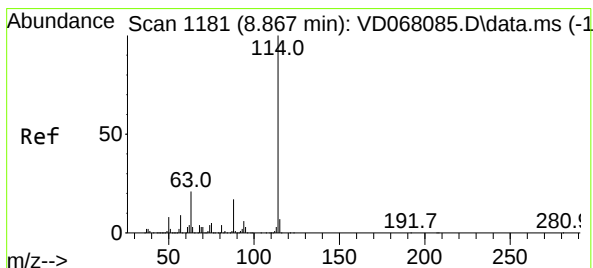
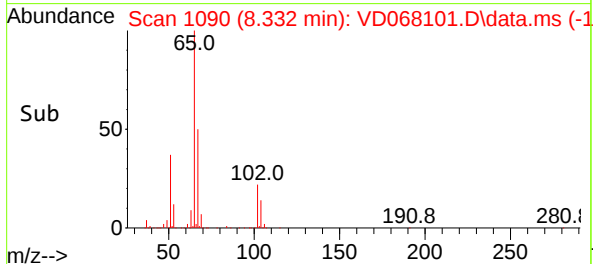
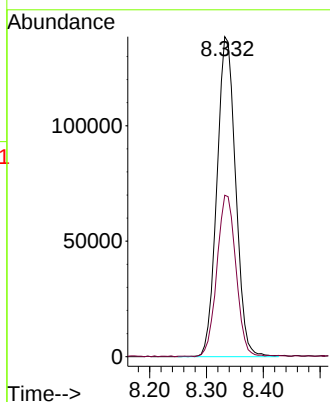
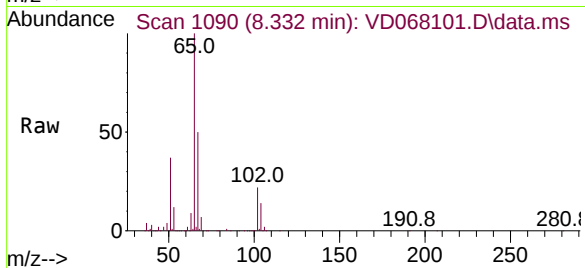




#33
1,2-Dichloroethane-d4
Concen: 54.09 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VD068101.D
Acq: 19 Jan 2021 20:09

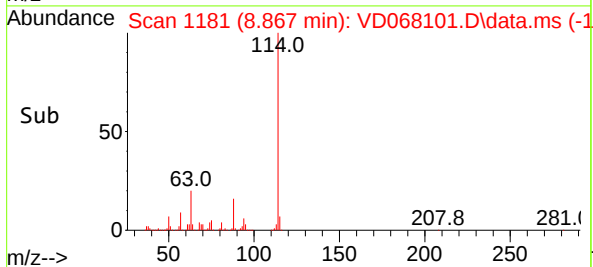
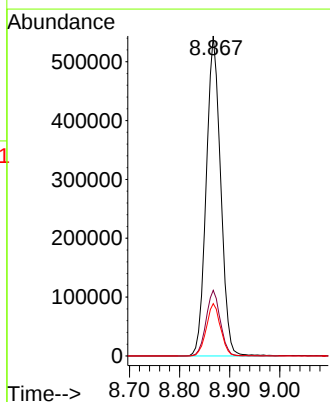
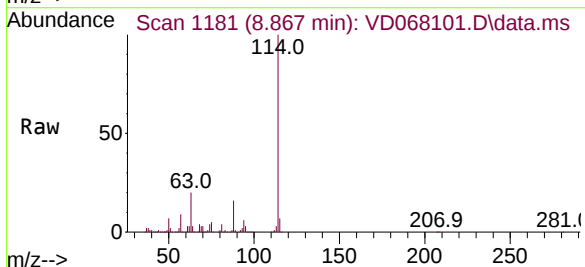
Instrument :
MSVOA_D
ClientSampleId :
BASIN-4

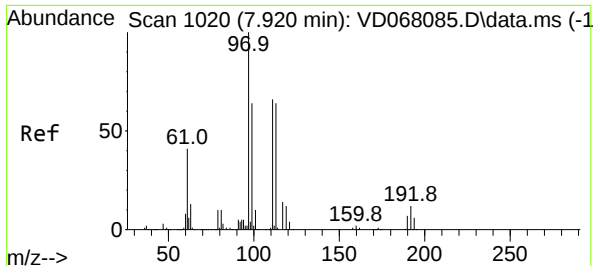
Tgt Ion: 65 Resp: 317649
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068101.D
Acq: 19 Jan 2021 20:09

Tgt Ion: 114 Resp: 1085842
Ion Ratio Lower Upper
114 100
63 20.5 0.0 34.8
88 16.4 0.0 31.6

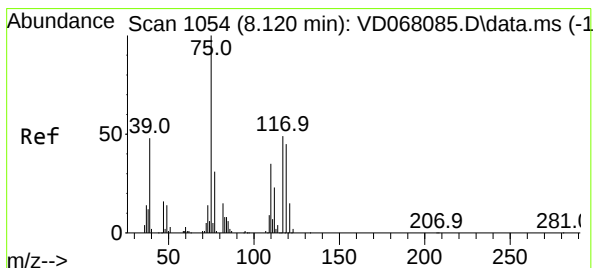
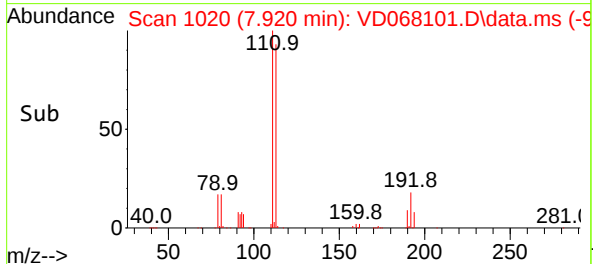
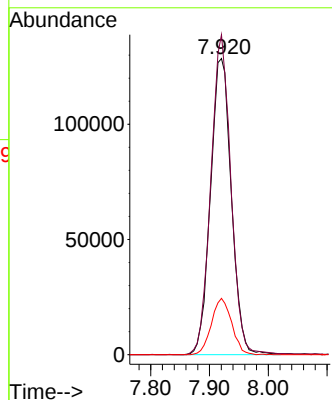
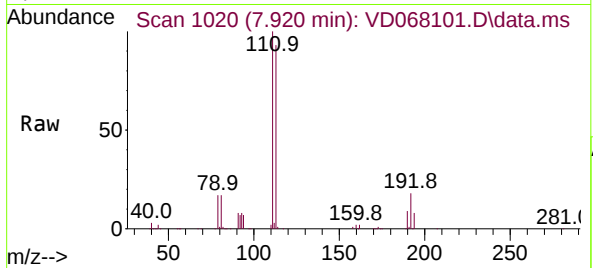




#35
Dibromofluoromethane
Concen: 52.84 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068101.D
Acq: 19 Jan 2021 20:09

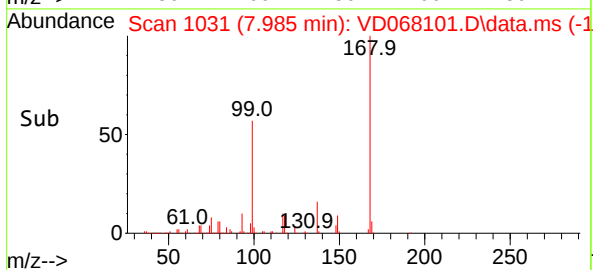
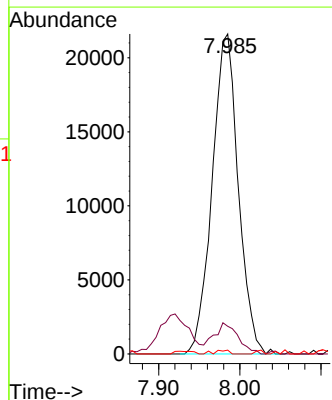
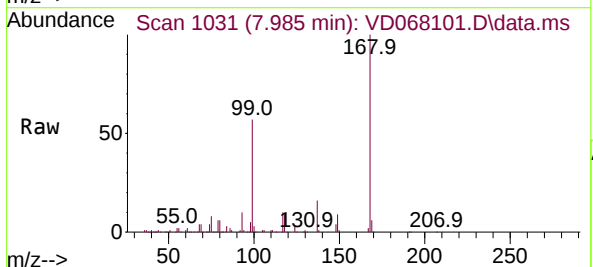
Instrument :
MSVOA_D
ClientSampleId :
BASIN-4

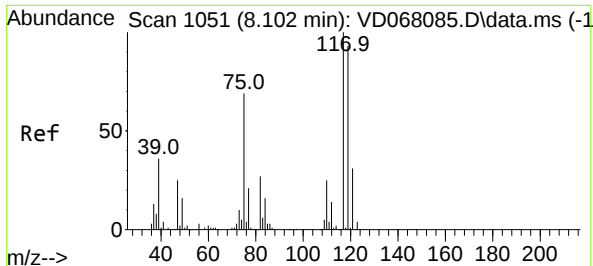
Tgt Ion:113 Resp: 317194
Ion Ratio Lower Upper
113 100
111 104.0 81.4 122.0
192 18.4 16.1 24.1



#36
1,1-Dichloropropene
Concen: 4.42 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.135 min
Lab File: VD068101.D
Acq: 19 Jan 2021 20:09

Tgt Ion: 75 Resp: 48373
Ion Ratio Lower Upper
75 100
110 9.0 19.4 58.2#
77 0.6 25.3 37.9#

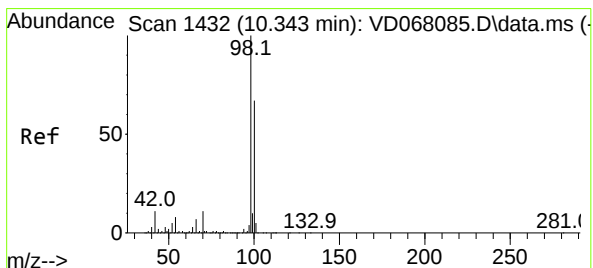
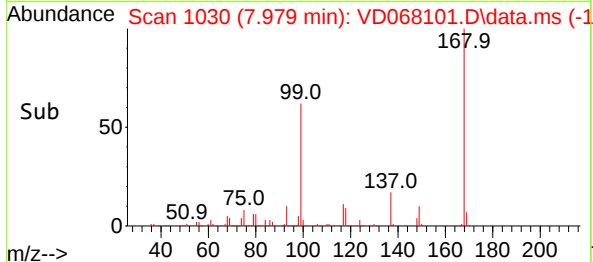
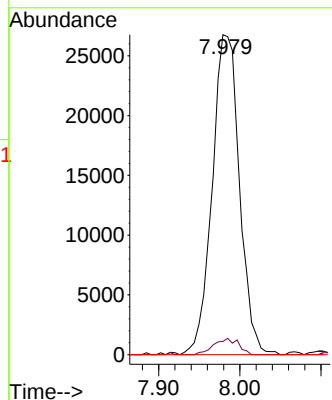
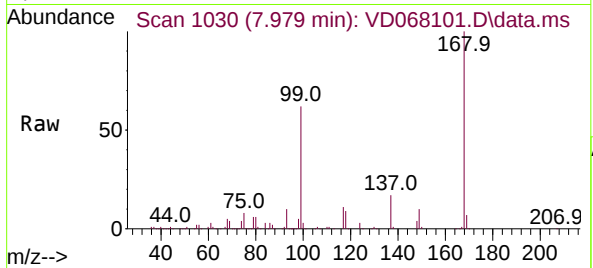




#38
Carbon Tetrachloride
Concen: 6.10 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.123 min
Lab File: VD068101.D
Acq: 19 Jan 2021 20:09

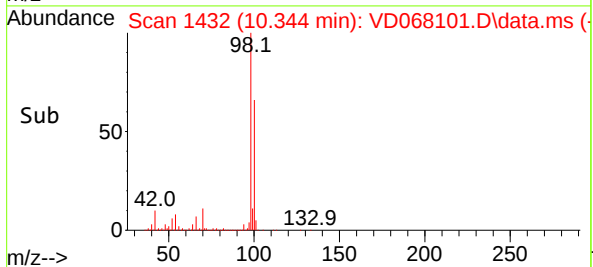
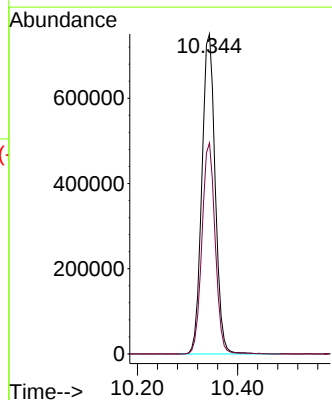
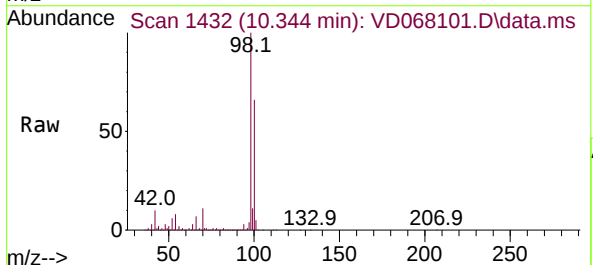
Instrument :
MSVOA_D
ClientSampleId :
BASIN-4

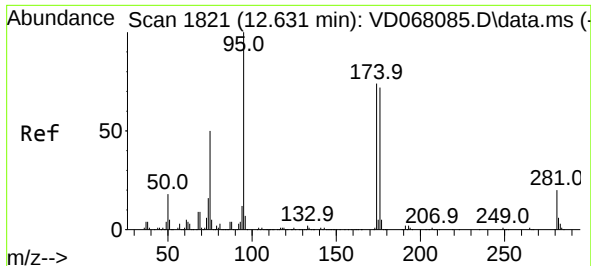
Tgt Ion:117 Resp: 62486
Ion Ratio Lower Upper
117 100
119 4.2 77.3 115.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 57.54 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068101.D
Acq: 19 Jan 2021 20:09

Tgt Ion: 98 Resp: 1381634
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4

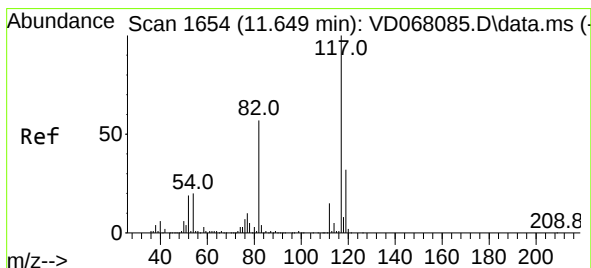
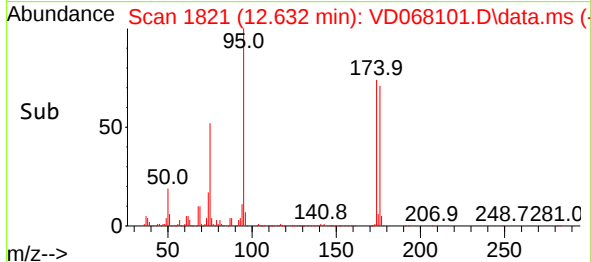
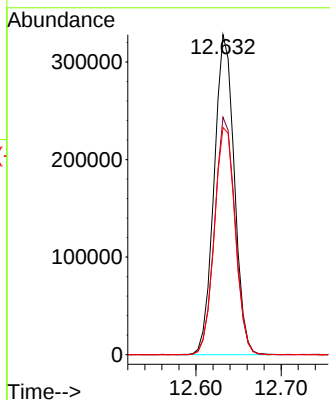
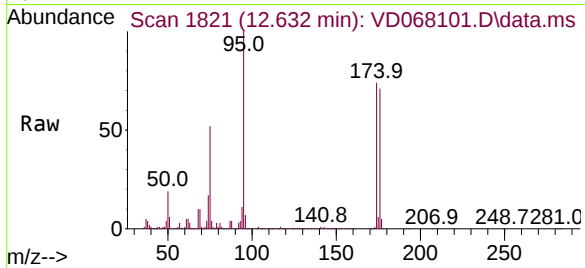




#62
4-Bromofluorobenzene
Concen: 62.46 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068101.D
Acq: 19 Jan 2021 20:09

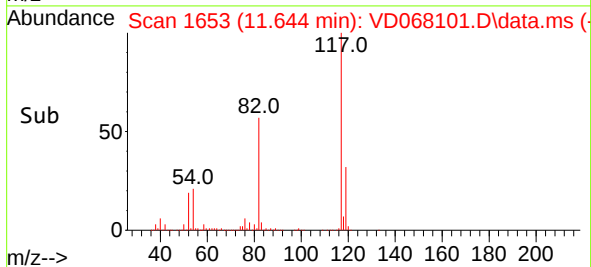
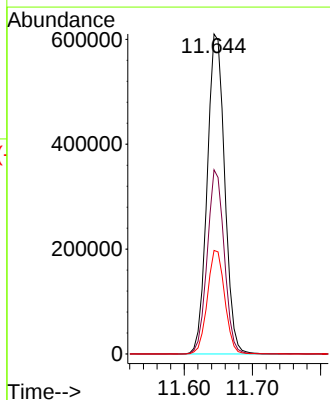
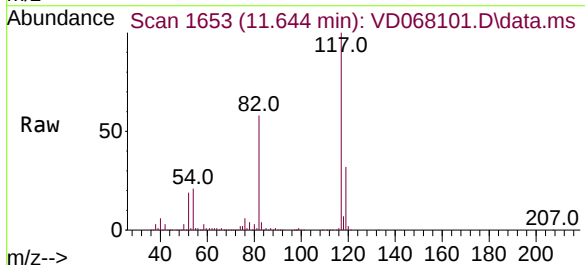
Instrument :
MSVOA_D
ClientSampleId :
BASIN-4

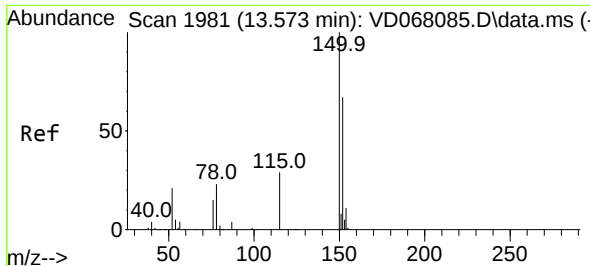
Tgt Ion: 95 Resp: 540121
Ion Ratio Lower Upper
95 100
174 75.2 0.0 172.4
176 73.2 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.005 min
Lab File: VD068101.D
Acq: 19 Jan 2021 20:09

Tgt Ion: 117 Resp: 1090613
Ion Ratio Lower Upper
117 100
82 57.5 41.4 62.0
119 32.4 26.1 39.1

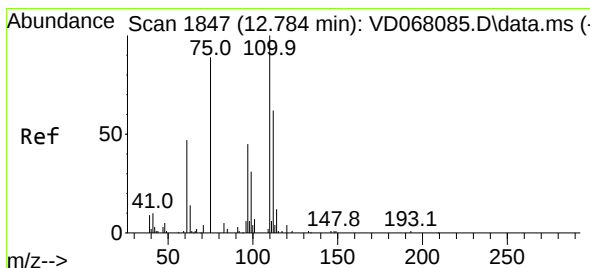
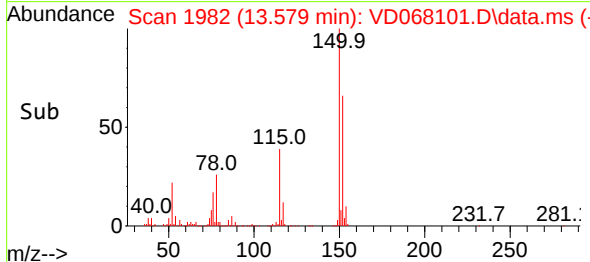
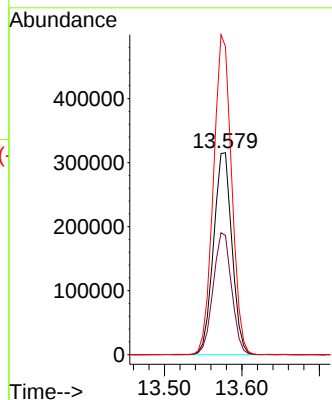
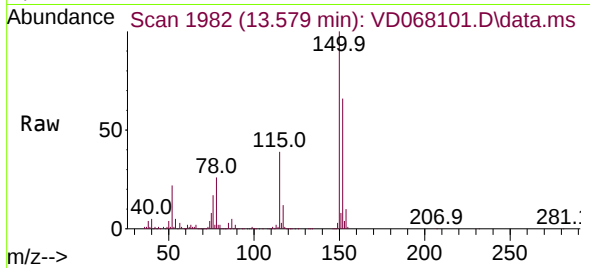




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.579 min Scan# 1982
Delta R.T. 0.006 min
Lab File: VD068101.D
Acq: 19 Jan 2021 20:09

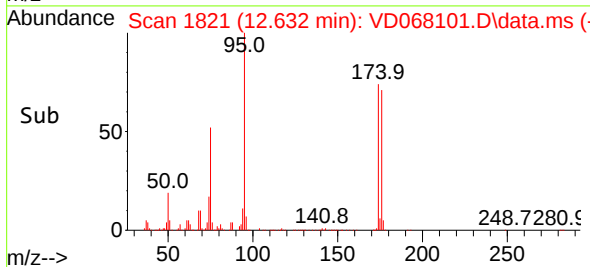
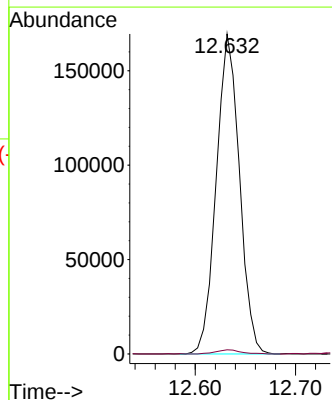
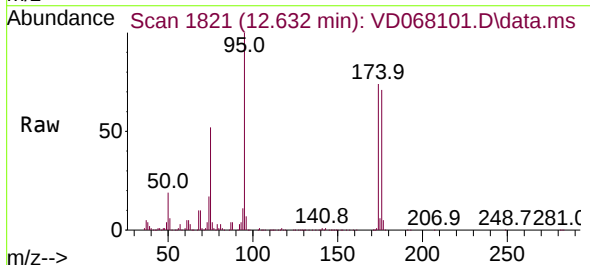
Instrument :
MSVOA_D
ClientSampleId :
BASIN-4

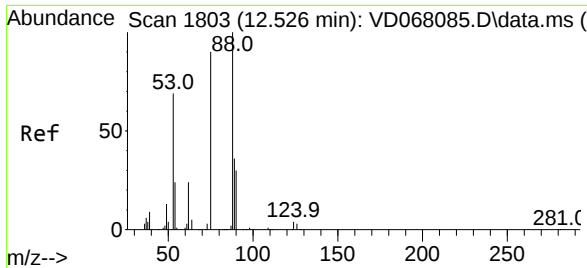
Tgt Ion:152 Resp: 522400
Ion Ratio Lower Upper
152 100
115 60.6 28.9 86.8
150 156.7 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 53.78 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068101.D
Acq: 19 Jan 2021 20:09

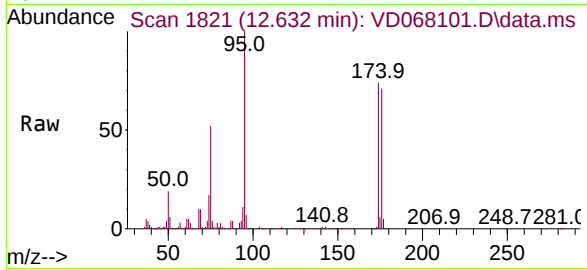
Tgt Ion: 75 Resp: 271649
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.83 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD068101.D
 Acq: 19 Jan 2021 20:09

Instrument :
 MSVOA_D
 ClientSampleId :
 BASIN-4



Tgt Ion: 75 Resp: 271649
 Ion Ratio Lower Upper
 75 100
 53 0.1 70.2 105.2#
 89 0.1 40.3 60.5#

