

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012121\
 Data File : VD068136.D
 Acq On : 21 Jan 2021 16:46
 Operator : VA/SY
 Sample : M1159-01
 Misc : 3.73G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BORE-2-ALT

Quant Time: Jan 22 00:10:38 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)

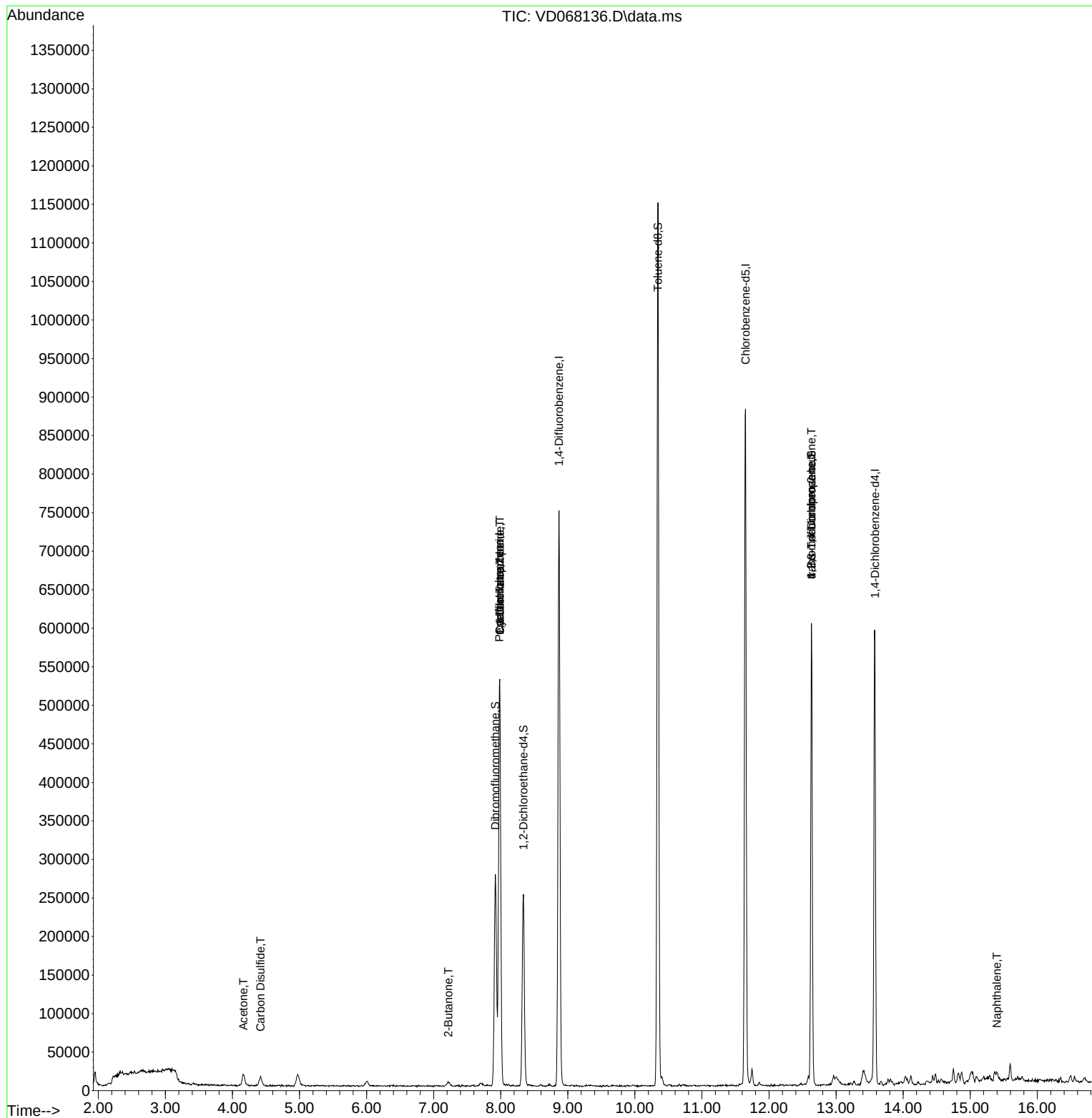
Internal Standards						
1) Pentafluorobenzene	7.979	168	402118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	666771	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	525026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	161047	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	201758	52.45	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.90%
35) Dibromofluoromethane	7.920	113	198847	53.94	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.88%
50) Toluene-d8	10.344	98	797705	54.10	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.20%
62) 4-Bromofluorobenzene	12.632	95	210629	39.67	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	79.34%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.226	59	251	Below Cal	#	74
16) Acetone	4.162	43	26596	38.72	ug/l #	83
17) Carbon Disulfide	4.420	76	24053	1.70	ug/l	98
20) Methylene Chloride	4.967	84	11951	Below Cal		92
25) 2-Butanone	7.220	43	8922	8.63	ug/l #	88
31) Cyclohexane	7.985	56	9945	1.19	ug/l #	46
36) 1,1-Dichloropropene	7.985	75	32500	4.83	ug/l #	46
38) Carbon Tetrachloride	7.985	117	40897	6.50	ug/l #	15
76) 1,2,3-Trichloropropane	12.632	75	103607	66.54	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	103607	134.64	ug/l #	14
95) Naphthalene	15.396	128	10838	1.78	ug/l	98

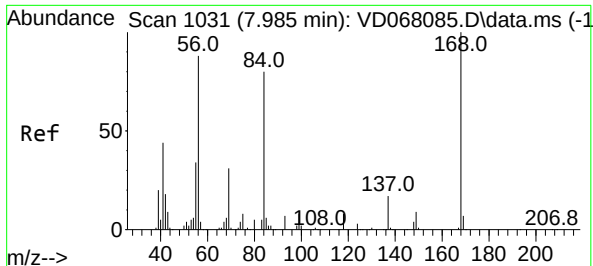
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 22 00:10:38 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
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QLast Update : Tue Jan 19 13:19:08 2021
Response via : Initial Calibration

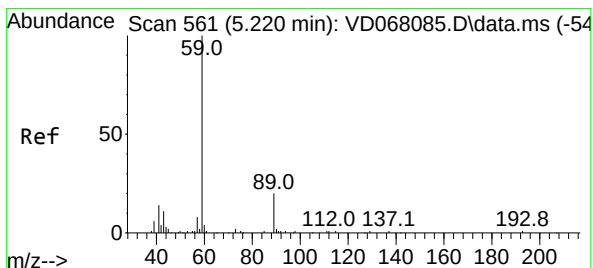
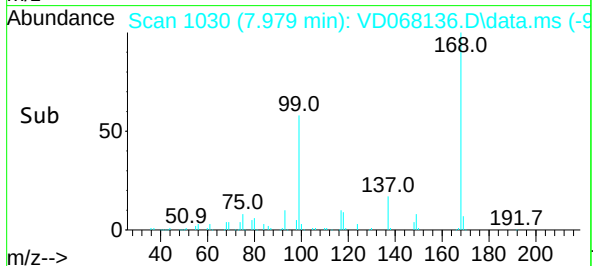
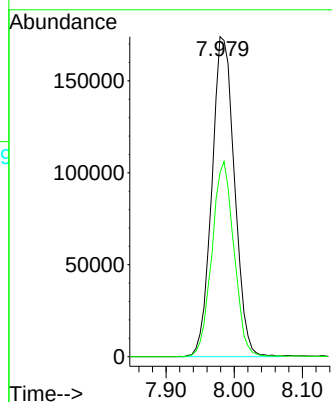
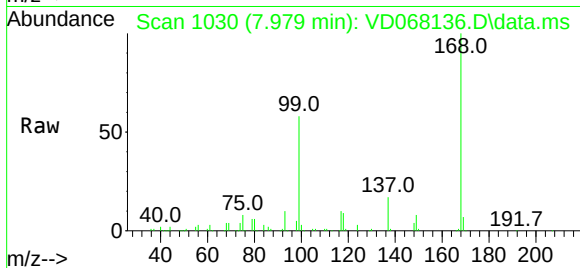




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068136.D
Acq: 21 Jan 2021 16:46

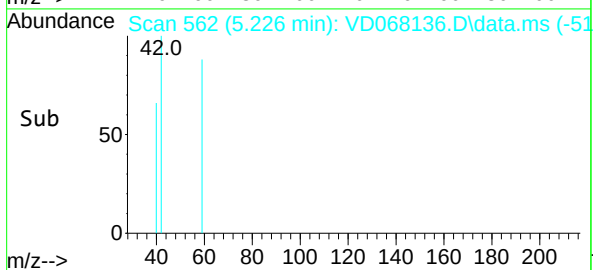
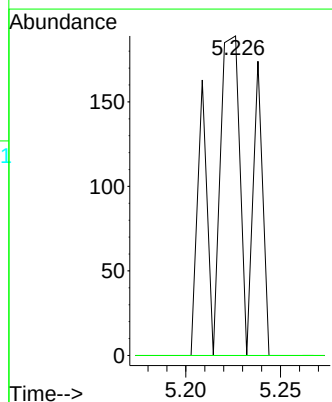
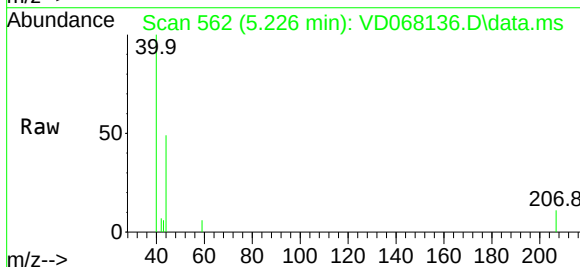
Instrument :
MSVOA_D
ClientSampleId :
BORE-2-ALT

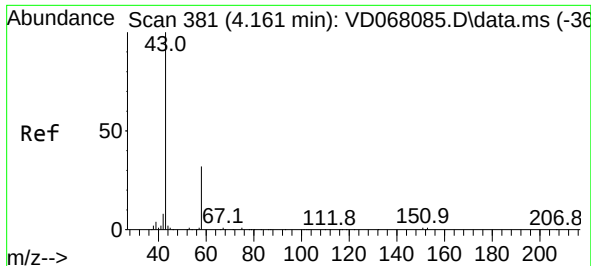
Tgt Ion:168 Resp: 402118
Ion Ratio Lower Upper
168 100
99 57.5 43.5 65.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.226 min Scan# 562
Delta R.T. 0.006 min
Lab File: VD068136.D
Acq: 21 Jan 2021 16:46

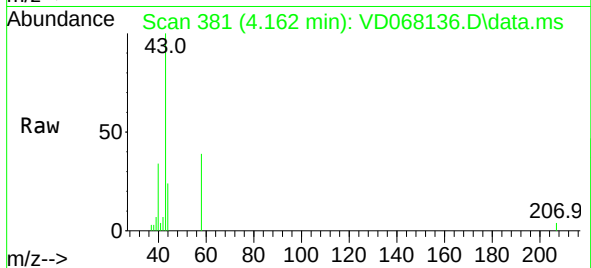
Tgt Ion: 59 Resp: 251
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



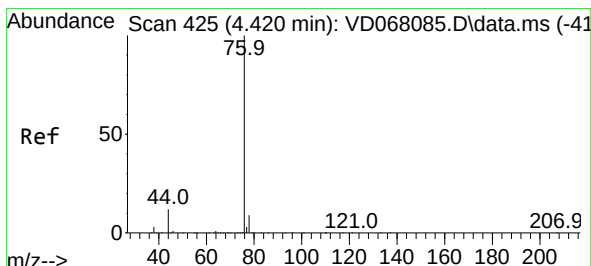
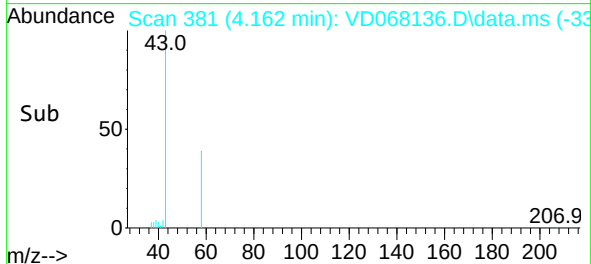
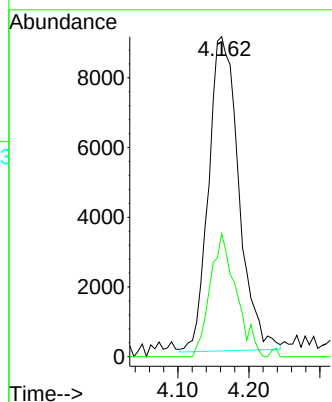


#16
Acetone
Concen: 38.72 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068136.D
Acq: 21 Jan 2021 16:46

Instrument :
MSVOA_D
ClientSampled :
BORE-2-ALT

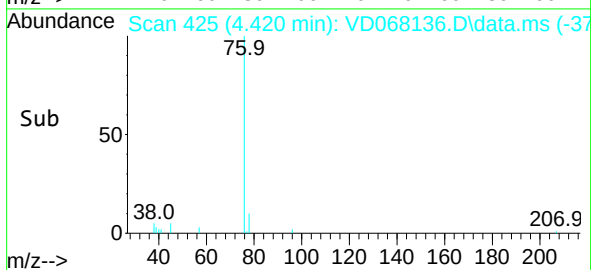
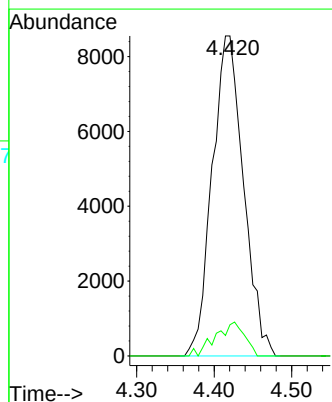
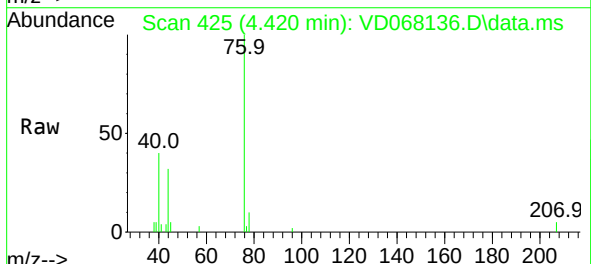


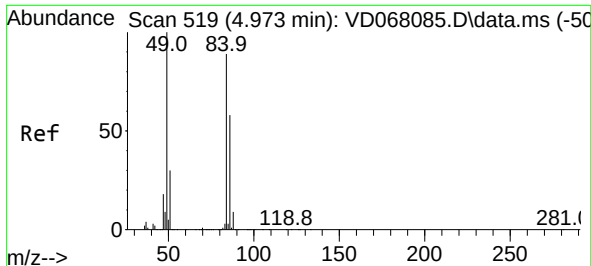
Tgt Ion: 43 Resp: 26596
Ion Ratio Lower Upper
43 100
58 39.4 24.2 36.4#



#17
Carbon Disulfide
Concen: 1.70 ug/l
RT: 4.420 min Scan# 425
Delta R.T. 0.000 min
Lab File: VD068136.D
Acq: 21 Jan 2021 16:46

Tgt Ion: 76 Resp: 24053
Ion Ratio Lower Upper
76 100
78 9.7 7.3 10.9

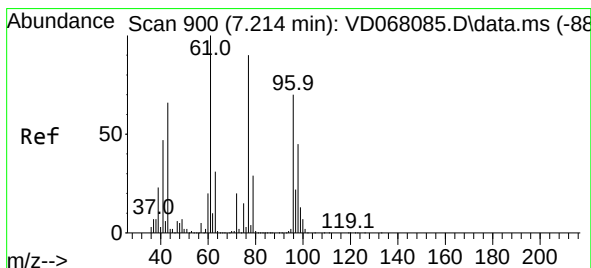
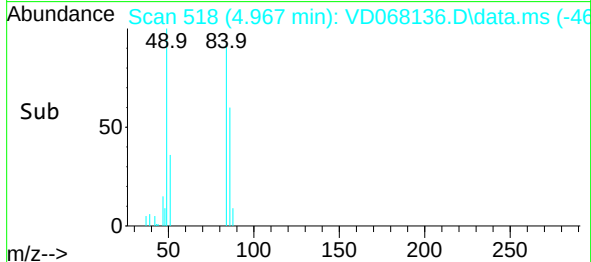
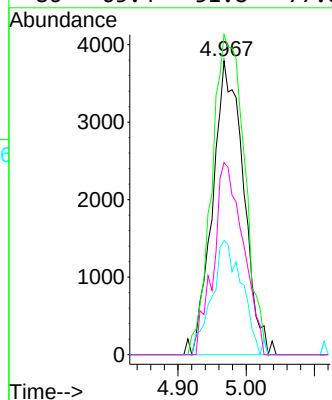
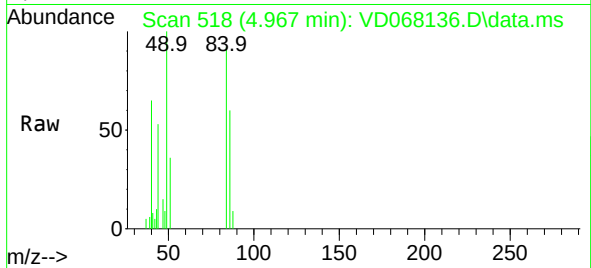




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD068136.D
Acq: 21 Jan 2021 16:46

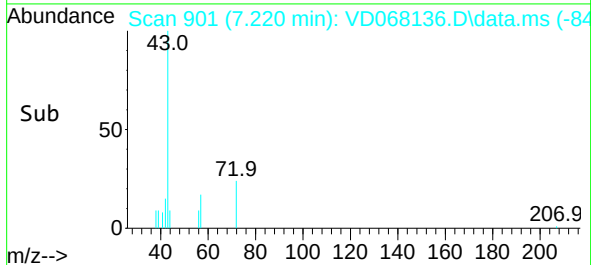
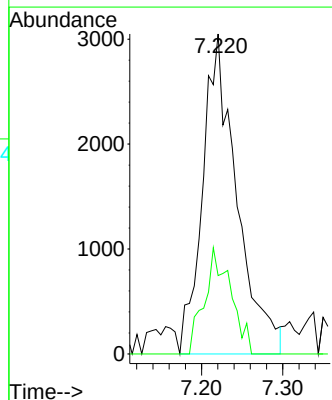
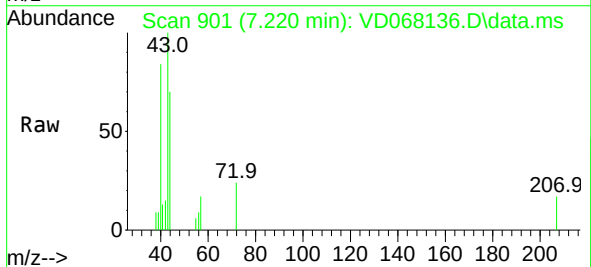
Instrument :
MSVOA_D
ClientSampleId :
BORE-2-ALT

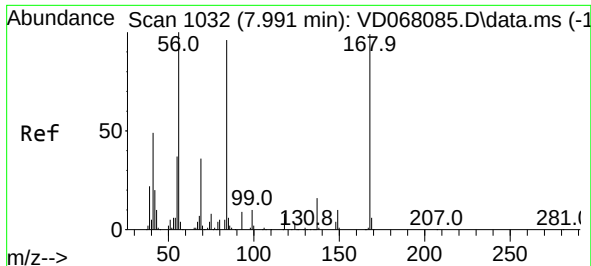
Tgt Ion:	84	Resp:	11951
Ion	Ratio	Lower	Upper
84	100		
49	108.9	77.4	116.2
51	38.8	26.1	39.1
86	65.4	51.8	77.8



#25
2-Butanone
Concen: 8.63 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD068136.D
Acq: 21 Jan 2021 16:46

Tgt Ion:	43	Resp:	8922
Ion	Ratio	Lower	Upper
43	100		
72	24.5	25.1	37.7#

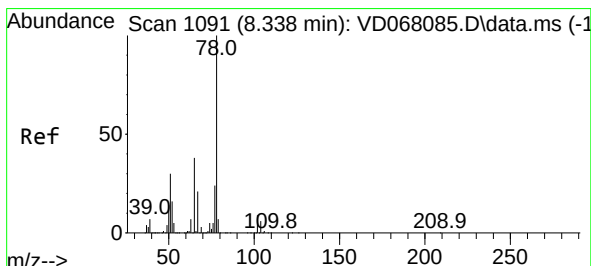
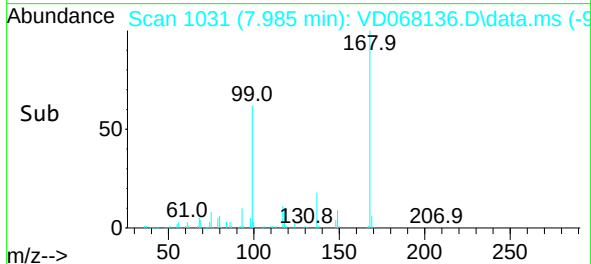
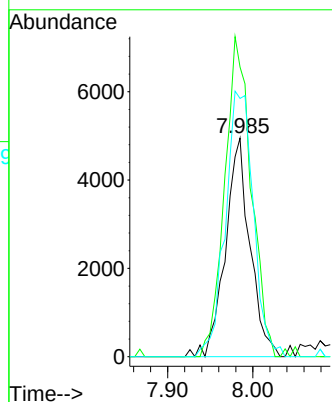
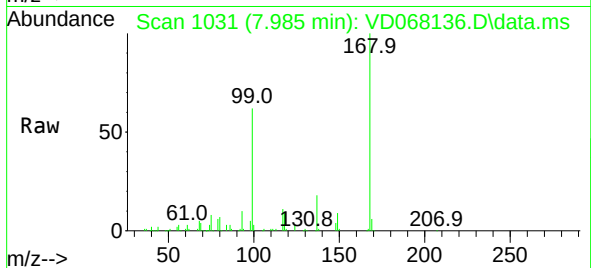




#31
Cyclohexane
Concen: 1.19 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD068136.D
Acq: 21 Jan 2021 16:46

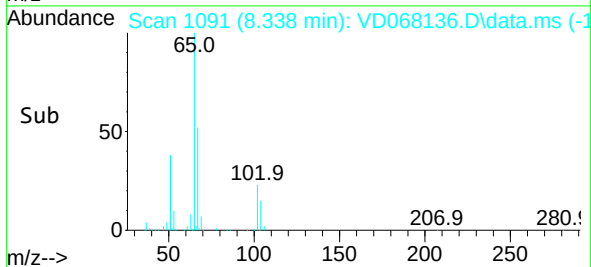
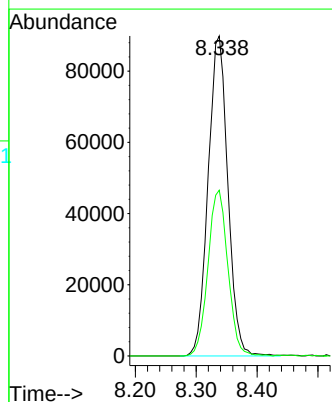
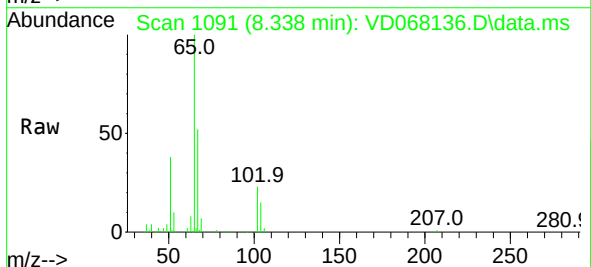
Instrument :
MSVOA_D
ClientSampleId :
BORE-2-ALT

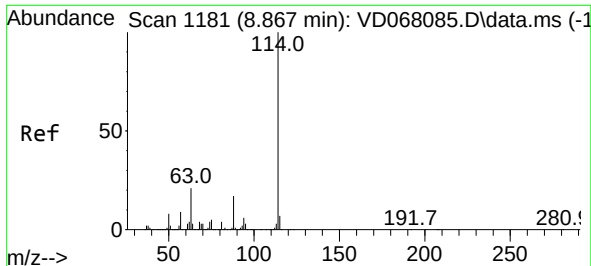
Tgt Ion: 56 Resp: 9945
Ion Ratio Lower Upper
56 100
69 132.5 30.1 45.1#
84 118.2 82.1 123.1



#33
1,2-Dichloroethane-d4
Concen: 52.45 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VD068136.D
Acq: 21 Jan 2021 16:46

Tgt Ion: 65 Resp: 201758
Ion Ratio Lower Upper
65 100
67 52.4 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: VD068136.D

Acq: 21 Jan 2021 16:46

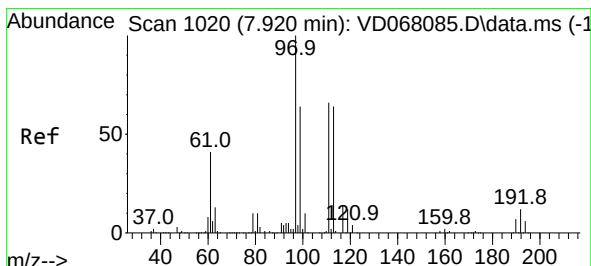
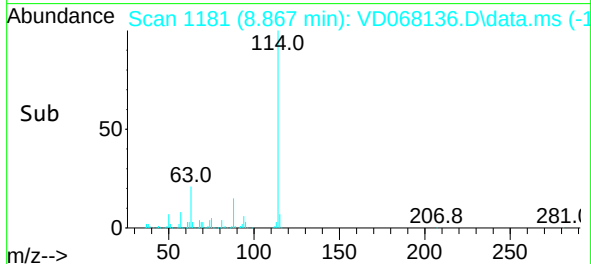
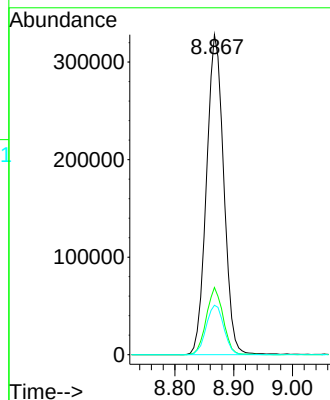
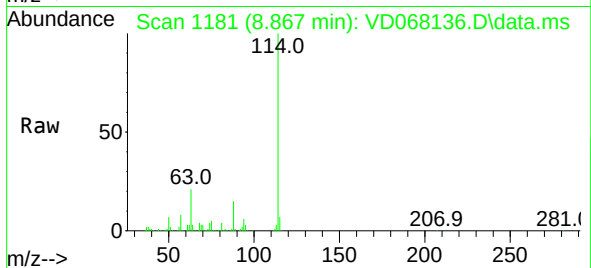
Tgt Ion:114 Resp: 666771

Ion Ratio Lower Upper

114 100

63 21.0 0.0 34.8

88 15.4 0.0 31.6



#35

Dibromofluoromethane

Concen: 53.94 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068136.D

Acq: 21 Jan 2021 16:46

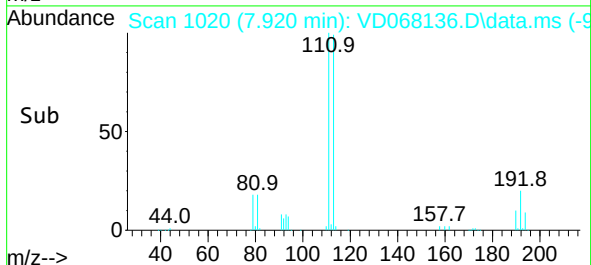
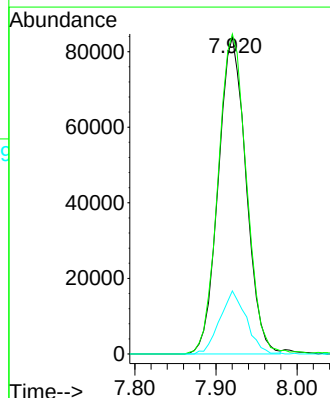
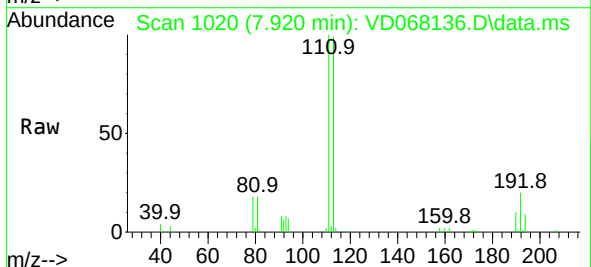
Tgt Ion:113 Resp: 198847

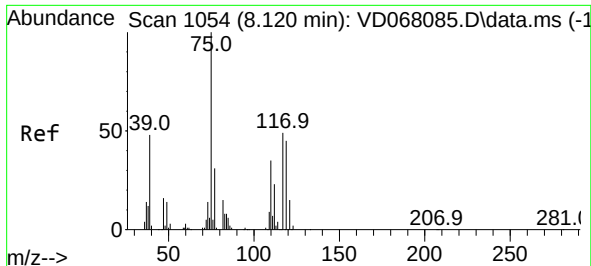
Ion Ratio Lower Upper

113 100

111 103.5 81.4 122.0

192 19.0 16.1 24.1

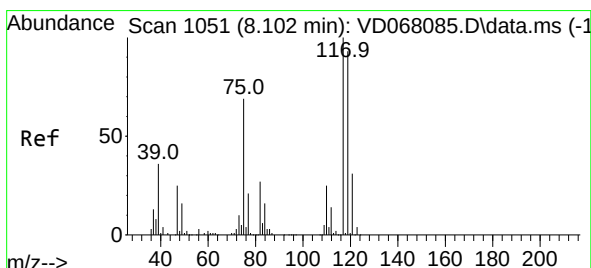
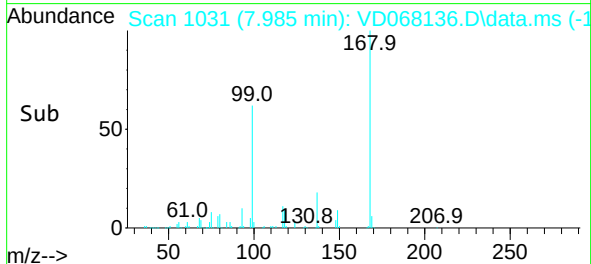
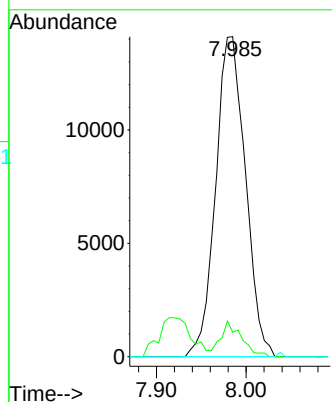
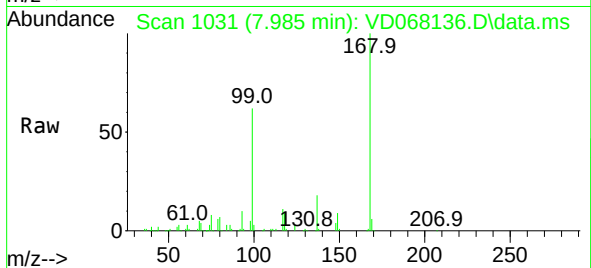




#36
1,1-Dichloropropene
Concen: 4.83 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.135 min
Lab File: VD068136.D
Acq: 21 Jan 2021 16:46

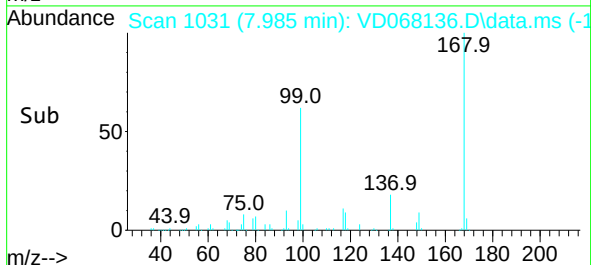
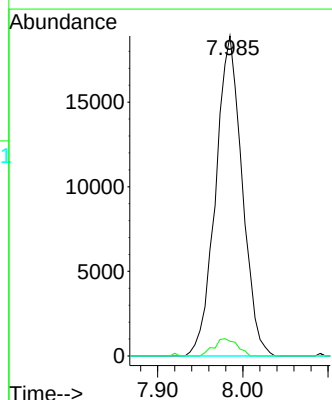
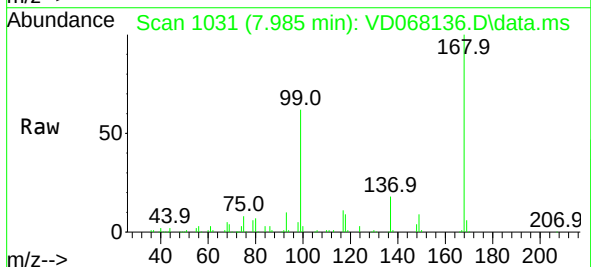
Instrument :
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BORE-2-ALT

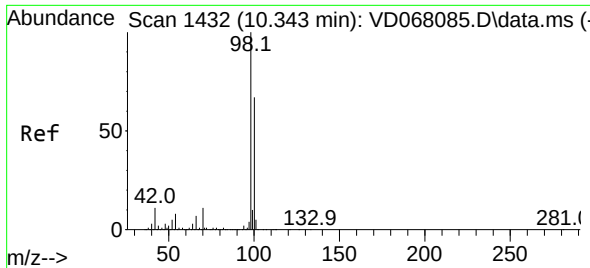
Tgt Ion: 75 Resp: 32500
Ion Ratio Lower Upper
75 100
110 7.9 19.4 58.2#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.50 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.117 min
Lab File: VD068136.D
Acq: 21 Jan 2021 16:46

Tgt Ion: 117 Resp: 40897
Ion Ratio Lower Upper
117 100
119 4.6 77.3 115.9#
121 0.0 24.7 37.1#

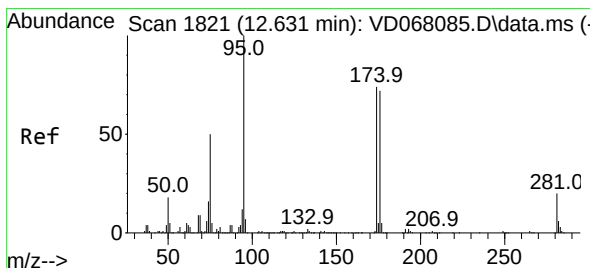
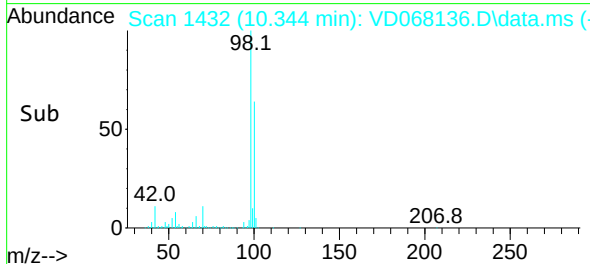
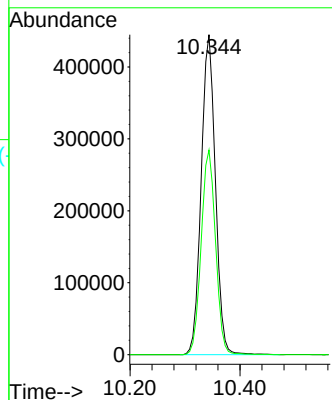
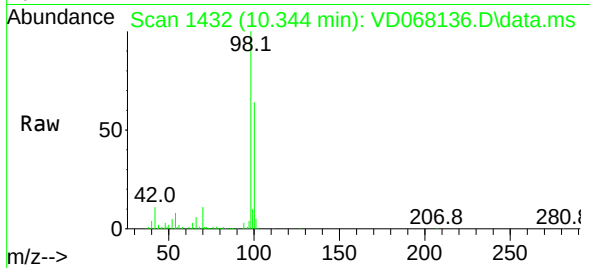




#50
Toluene-d8
Concen: 54.10 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068136.D
Acq: 21 Jan 2021 16:46

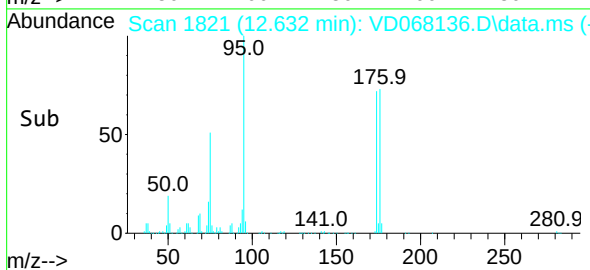
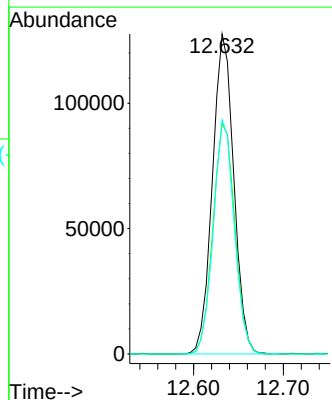
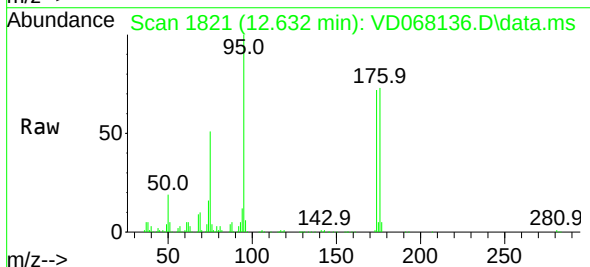
Instrument :
MSVOA_D
ClientSampleId :
BORE-2-ALT

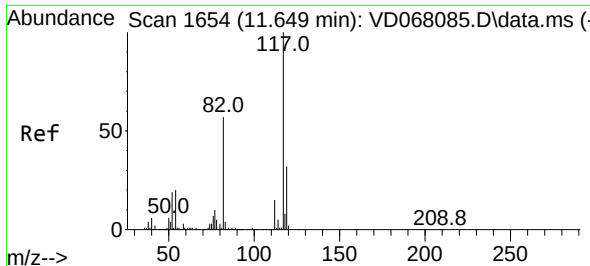
Tgt Ion: 98 Resp: 797705
Ion Ratio Lower Upper
98 100
100 64.8 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 39.67 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068136.D
Acq: 21 Jan 2021 16:46

Tgt Ion: 95 Resp: 210629
Ion Ratio Lower Upper
95 100
174 73.9 0.0 172.4
176 72.0 0.0 168.4

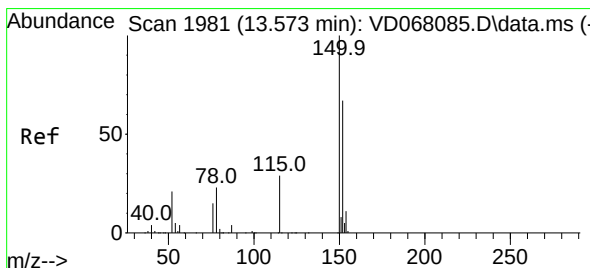
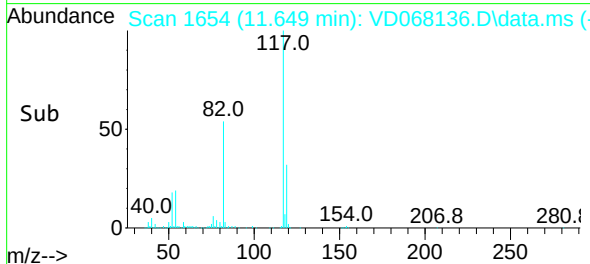
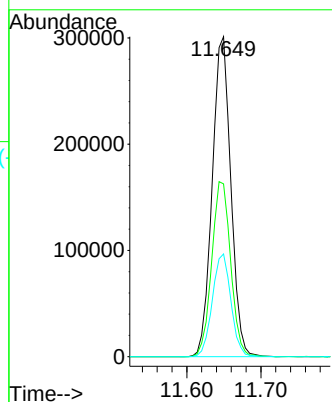
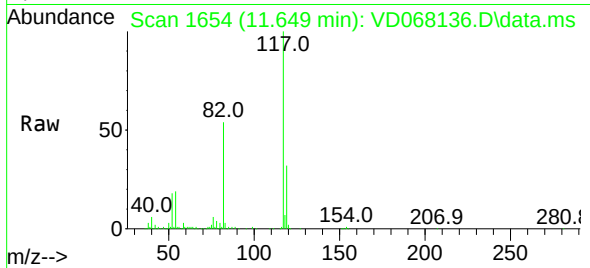




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068136.D
Acq: 21 Jan 2021 16:46

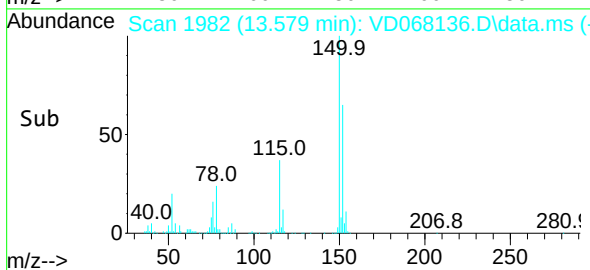
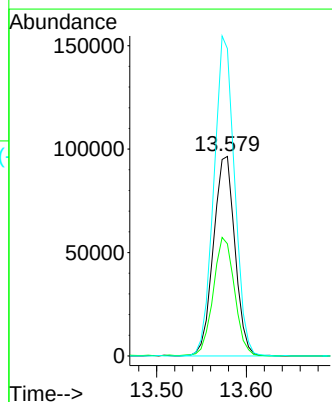
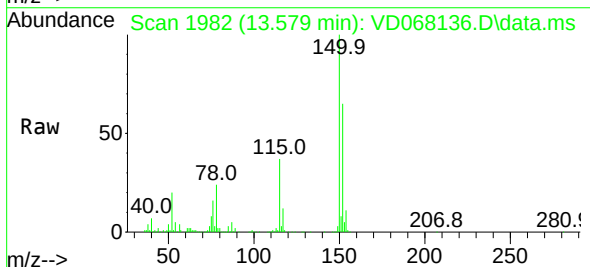
Instrument :
MSVOA_D
ClientSampleId :
BORE-2-ALT

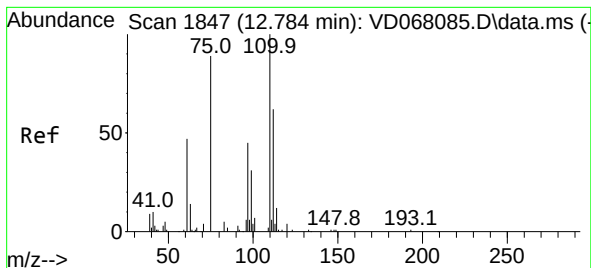
Tgt Ion:117 Resp: 525026
Ion Ratio Lower Upper
117 100
82 54.0 41.4 62.0
119 32.1 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.579 min Scan# 1982
Delta R.T. 0.006 min
Lab File: VD068136.D
Acq: 21 Jan 2021 16:46

Tgt Ion:152 Resp: 161047
Ion Ratio Lower Upper
152 100
115 59.0 28.9 86.8
150 154.0 0.0 344.4

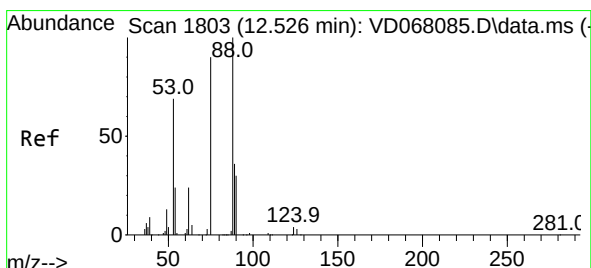
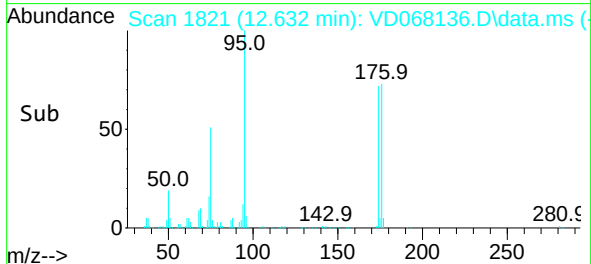
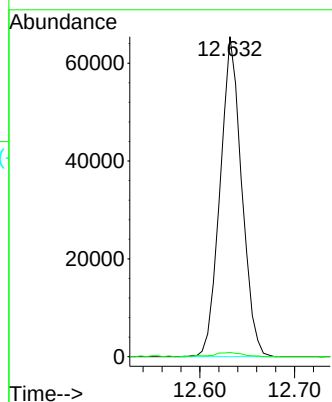
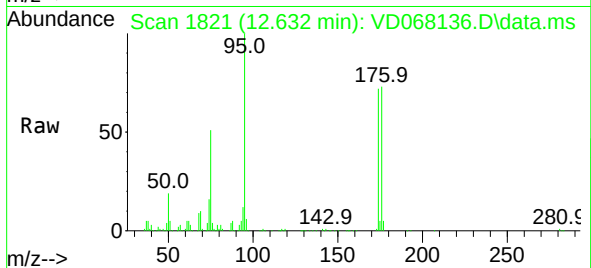




#76
1,2,3-Trichloropropane
Concen: 66.54 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068136.D
Acq: 21 Jan 2021 16:46

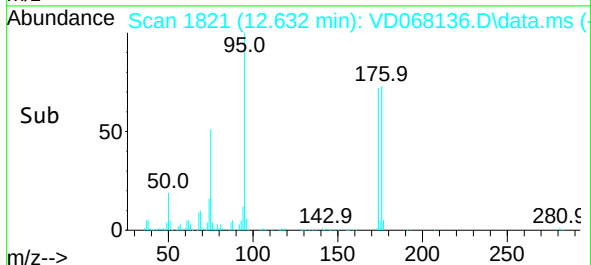
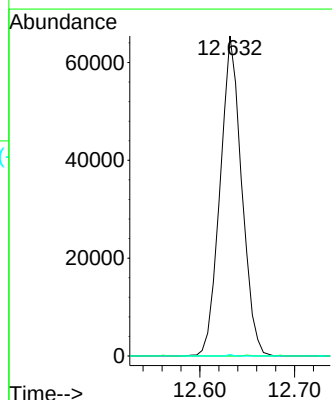
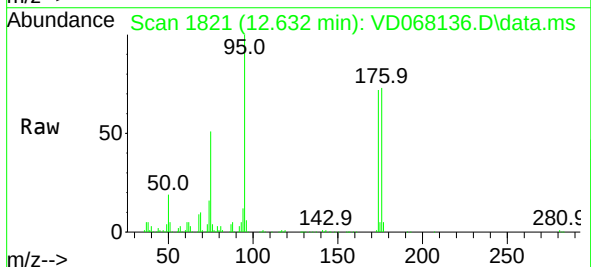
Instrument :
MSVOA_D
ClientSampleId :
BORE-2-ALT

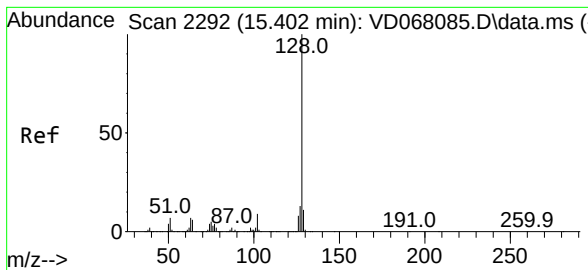
Tgt Ion: 75 Resp: 103607
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 134.64 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068136.D
Acq: 21 Jan 2021 16:46

Tgt Ion: 75 Resp: 103607
Ion Ratio Lower Upper
75 100
53 0.1 70.2 105.2#
89 0.1 40.3 60.5#





#95
Naphthalene
Concen: 1.78 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. -0.006 min
Lab File: VD068136.D
Acq: 21 Jan 2021 16:46

Instrument :
MSVOA_D
ClientSampleId :
BORE-2-ALT

Tgt Ion:	128	Resp:	10838
Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.2	15.2
129	10.8	8.8	13.2

