

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051321\
 Data File : VD069161.D
 Acq On : 13 May 2021 17:04
 Operator : VA/SY
 Sample : M2372-07
 Misc : 2.98G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-200032

Quant Time: May 14 01:23:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:01:29 2021
 Response via : Initial Calibration

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

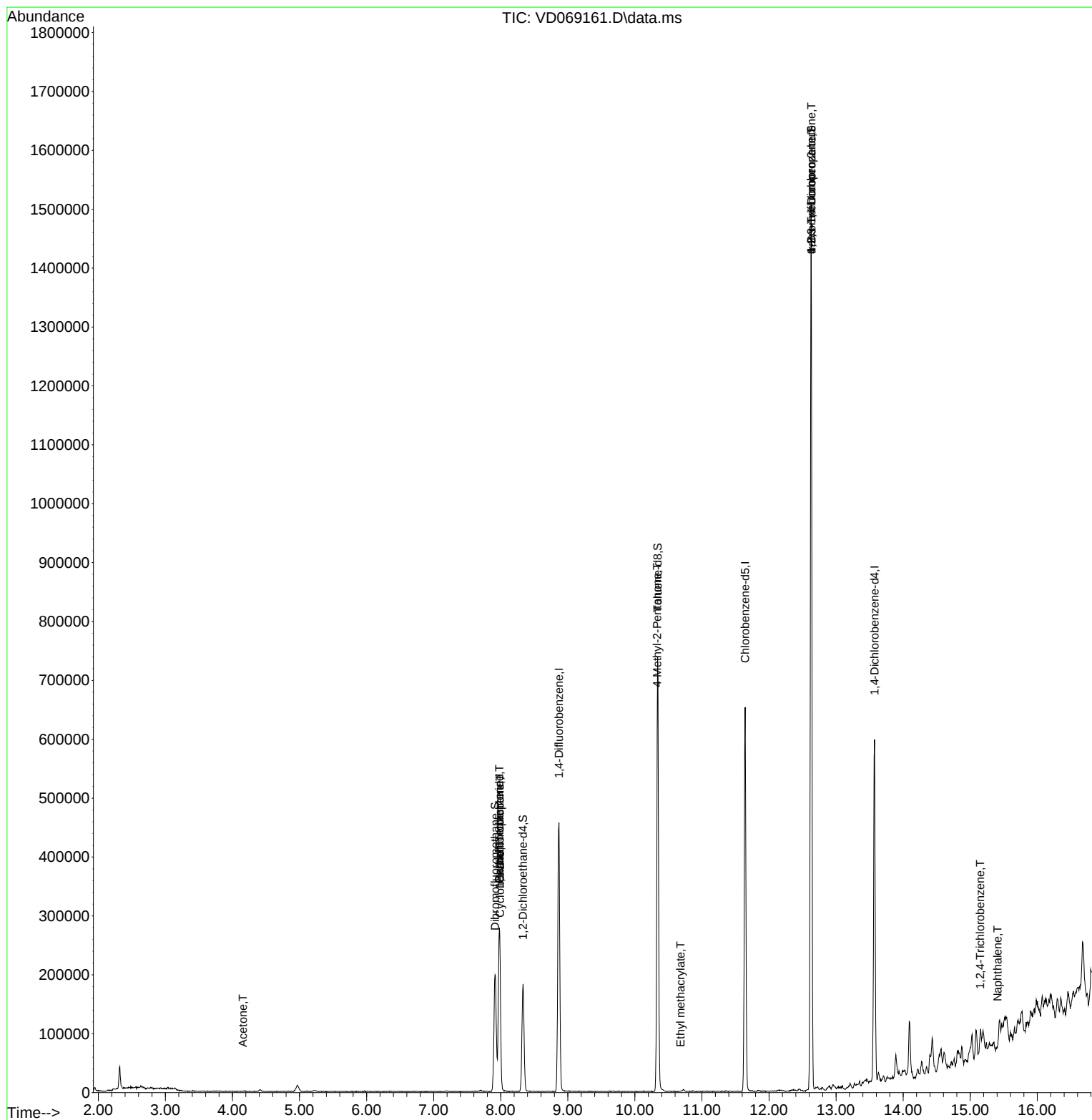
Internal Standards						
1) Pentafluorobenzene	7.979	168	206453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	411037	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	379023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	155258	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	142435	68.82	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 137.64%			
35) Dibromofluoromethane	7.914	113	146290	54.69	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.38%			
50) Toluene-d8	10.338	98	509636	51.85	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.70%			
62) 4-Bromofluorobenzene	12.632	95	169247	53.52	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.04%			
Target Compounds						
11) Tert butyl alcohol	5.215	59	1537	Below Cal	#	73
16) Acetone	4.156	43	866	2.73	ug/l #	41
20) Methylene Chloride	4.962	84	8873	Below Cal	#	85
31) Cyclohexane	7.991	56	5236	1.71	ug/l #	55
36) 1,1-Dichloropropene	7.985	75	17007	4.26	ug/l #	50
38) Carbon Tetrachloride	7.979	117	21347	4.78	ug/l #	18
51) 4-Methyl-2-Pentanone	10.332	43	1951	1.63	ug/l #	1
56) Ethyl methacrylate	10.679	69	121	1.37	ug/l #	32
76) 1,2,3-Trichloropropane	12.632	75	94492	80.96	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	94492	163.54	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.149	180	3936	1.44	ug/l #	39
95) Naphthalene	15.408	128	1472	2.32	ug/l #	92

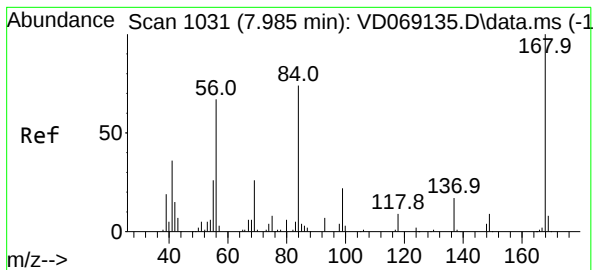
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 14 01:23:01 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
Quant Title : SW846 8260
QLast Update : Thu May 13 04:01:29 2021
Response via : Initial Calibration

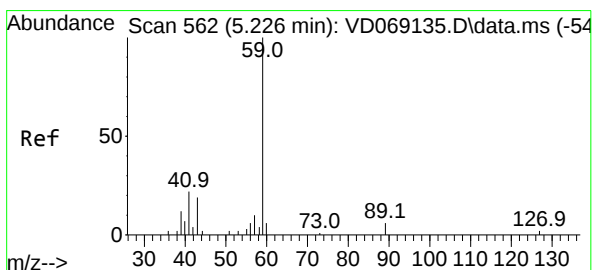
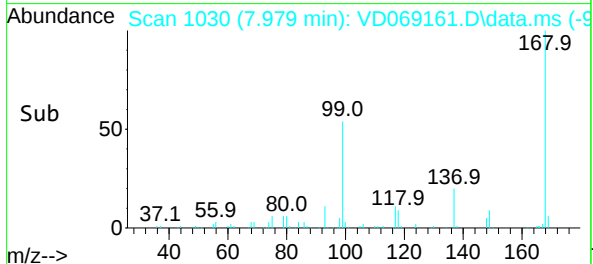
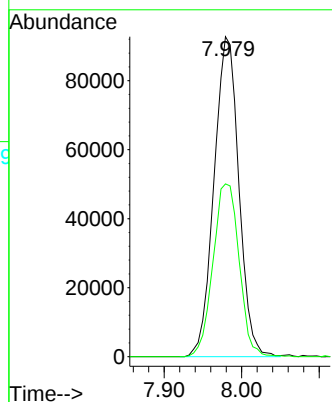
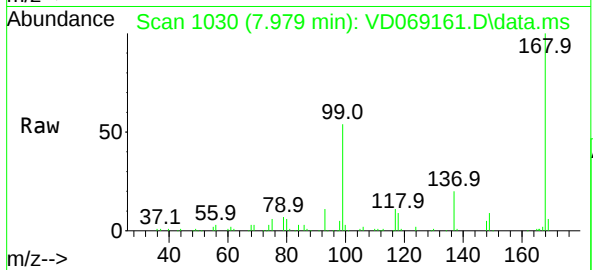




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069161.D
Acq: 13 May 2021 17:04

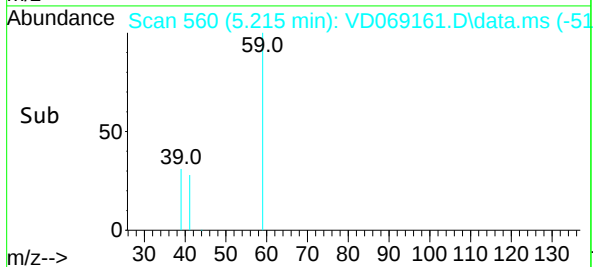
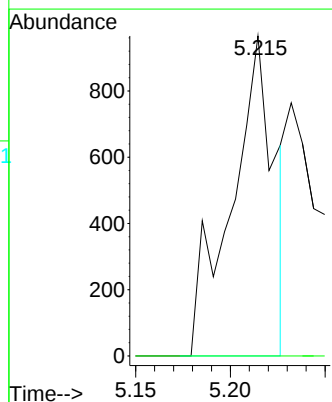
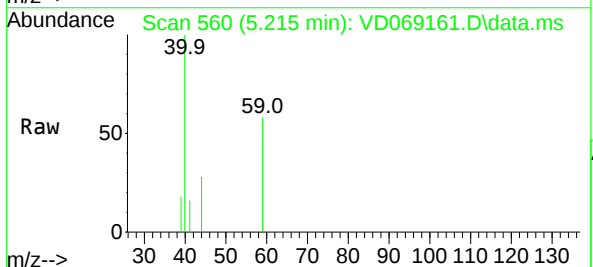
Instrument :
MSVOA_D
ClientSampleId :
RBR-200032

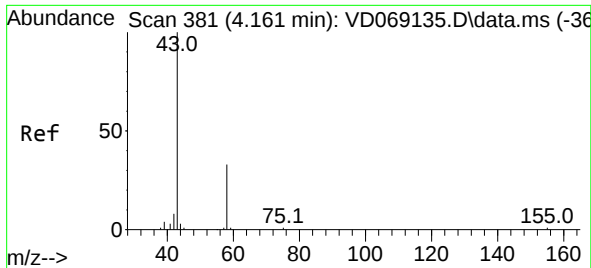
Tgt Ion:168 Resp: 206453
Ion Ratio Lower Upper
168 100
99 54.0 47.2 70.8



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.215 min Scan# 560
Delta R.T. -0.011 min
Lab File: VD069161.D
Acq: 13 May 2021 17:04

Tgt Ion: 59 Resp: 1537
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

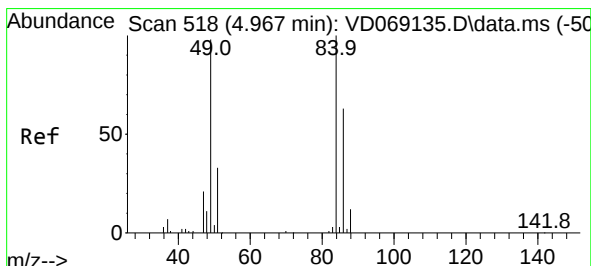
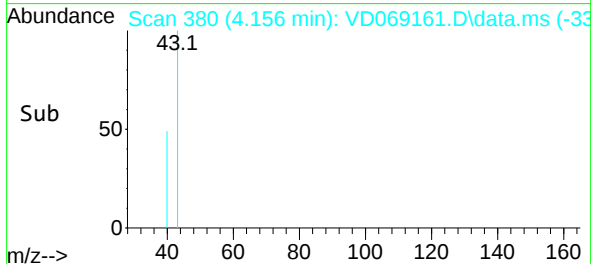
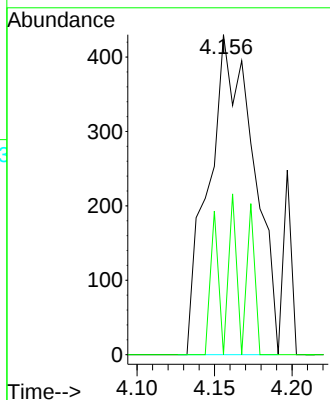
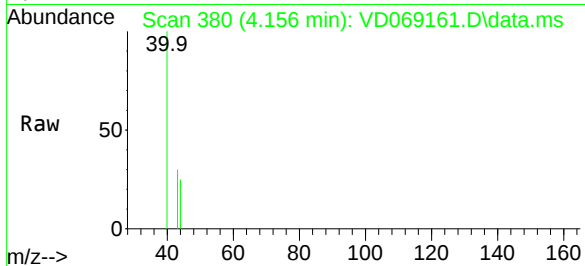




#16
Acetone
Concen: 2.73 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069161.D
Acq: 13 May 2021 17:04

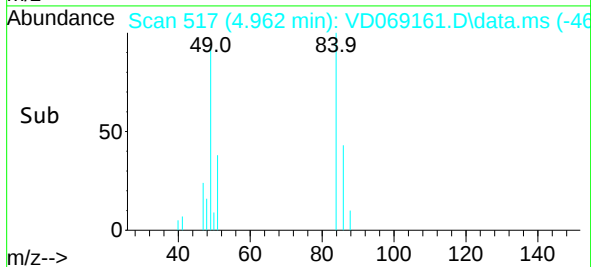
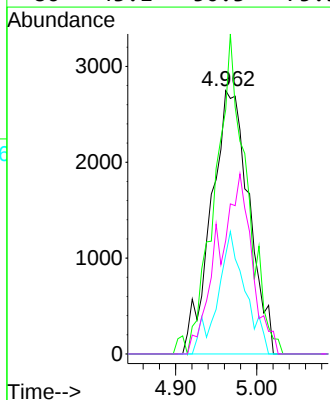
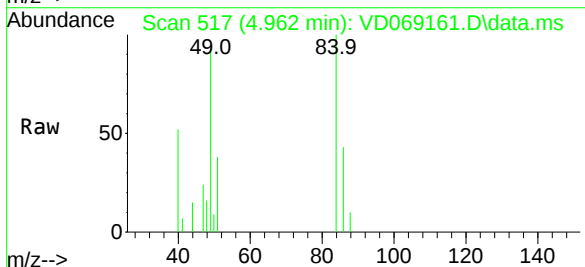
Instrument :
MSVOA_D
ClientSampleId :
RBR-200032

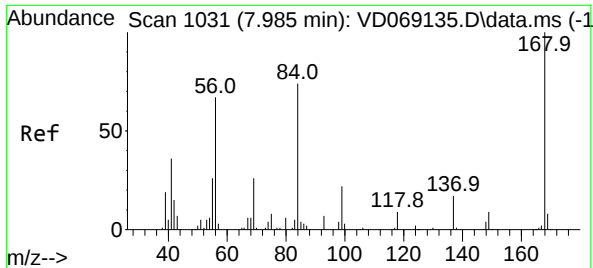
Tgt Ion: 43 Resp: 866
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.005 min
Lab File: VD069161.D
Acq: 13 May 2021 17:04

Tgt Ion: 84 Resp: 8873
Ion Ratio Lower Upper
84 100
49 87.1 78.6 117.8
51 37.7 26.7 40.1
86 43.1 50.3 75.5#

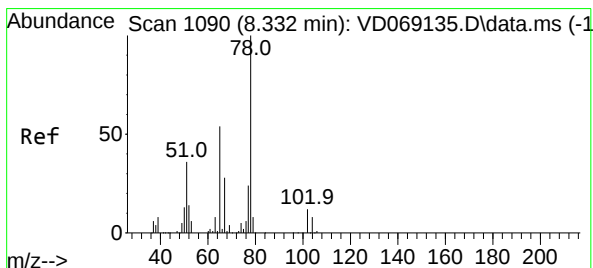
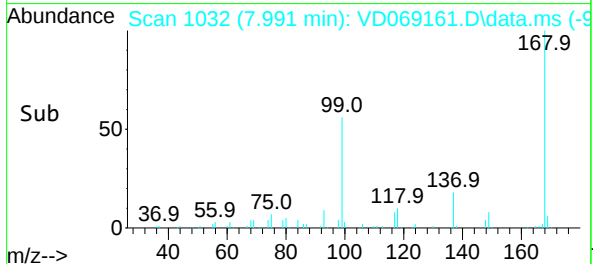
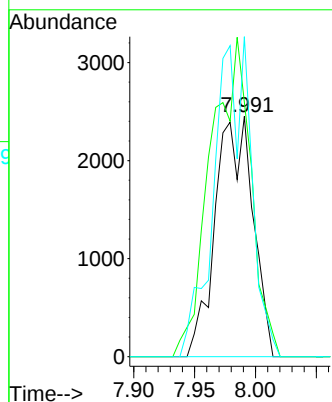
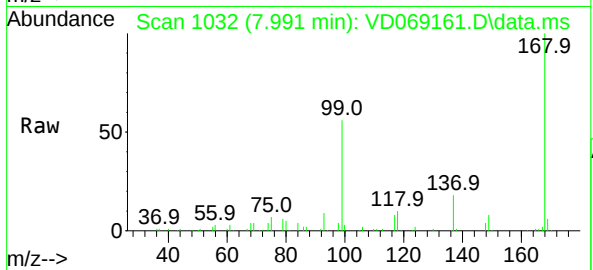




#31
Cyclohexane
Concen: 1.71 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VD069161.D
Acq: 13 May 2021 17:04

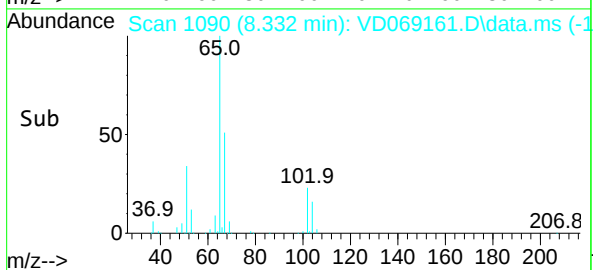
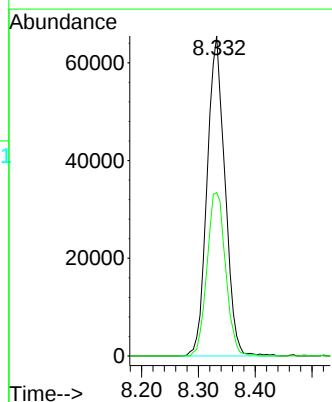
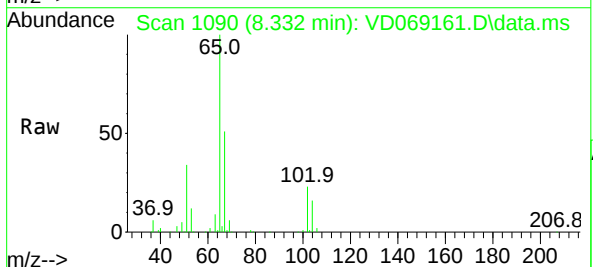
Instrument :
MSVOA_D
ClientSampleId :
RBR-200032

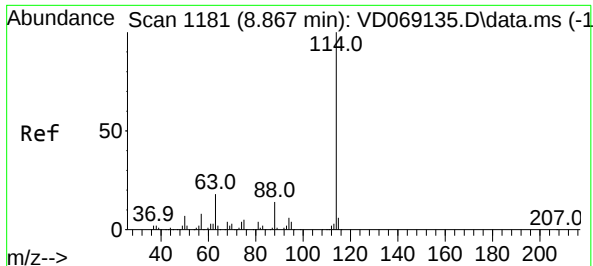
Tgt Ion: 56 Resp: 5236
Ion Ratio Lower Upper
56 100
69 105.9 30.6 46.0#
84 133.2 88.0 132.0#



#33
1,2-Dichloroethane-d4
Concen: 68.82 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069161.D
Acq: 13 May 2021 17:04

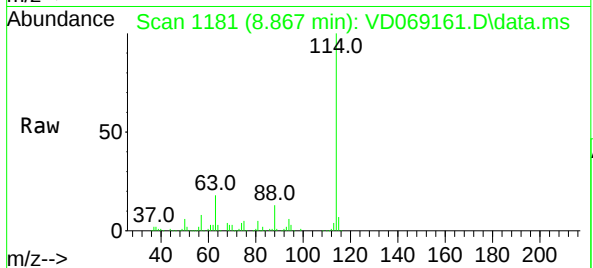
Tgt Ion: 65 Resp: 142435
Ion Ratio Lower Upper
65 100
67 53.1 0.0 108.0



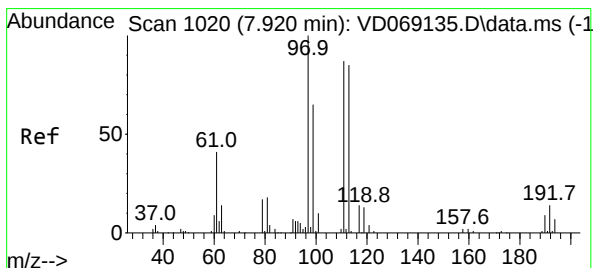
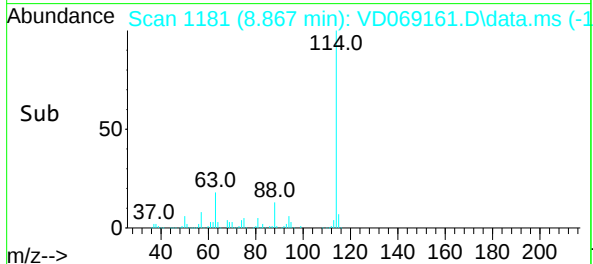
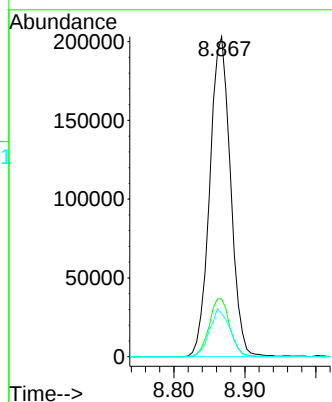


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069161.D
Acq: 13 May 2021 17:04

Instrument :
MSVOA_D
ClientSampleId :
RBR-200032

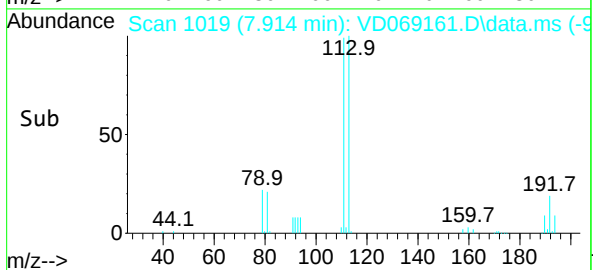
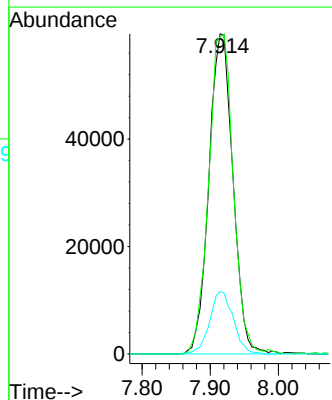
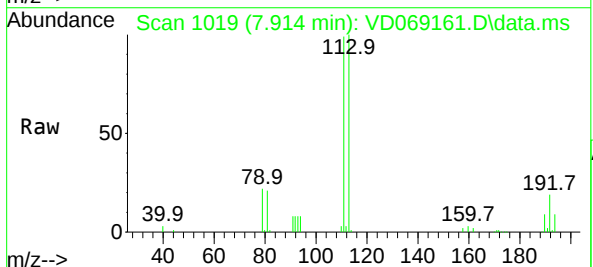


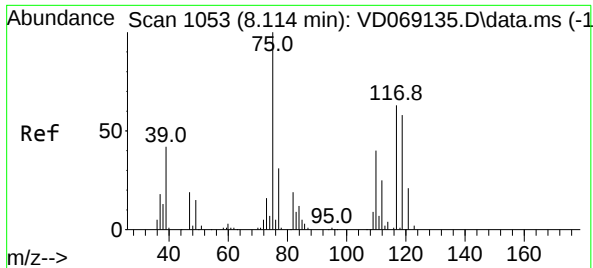
Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	36.4
88	13.5	0.0	28.2



#35
Dibromofluoromethane
Concen: 54.69 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.005 min
Lab File: VD069161.D
Acq: 13 May 2021 17:04

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	80.6	120.8
192	19.2	14.8	22.2

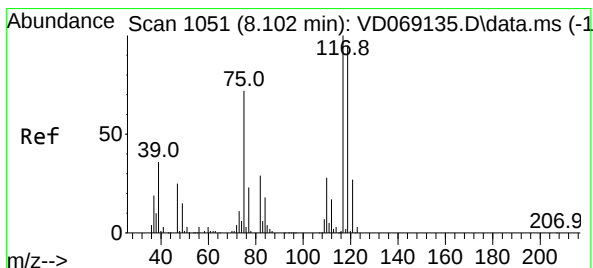
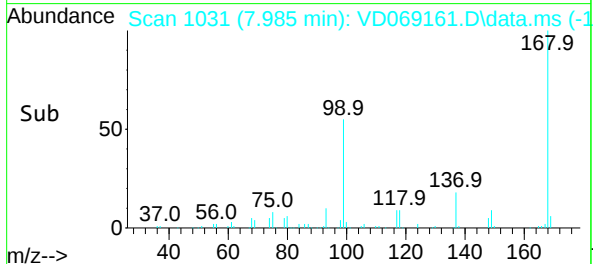
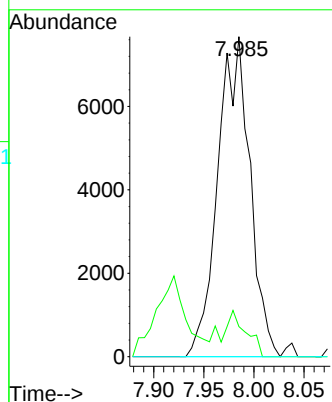
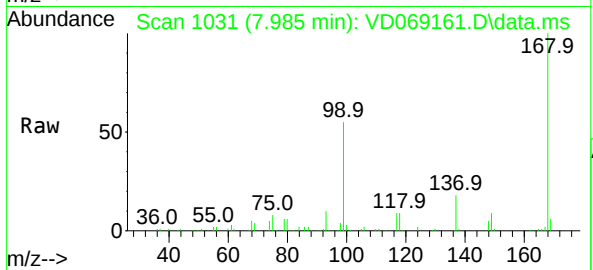




#36
1,1-Dichloropropene
Concen: 4.26 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.129 min
Lab File: VD069161.D
Acq: 13 May 2021 17:04

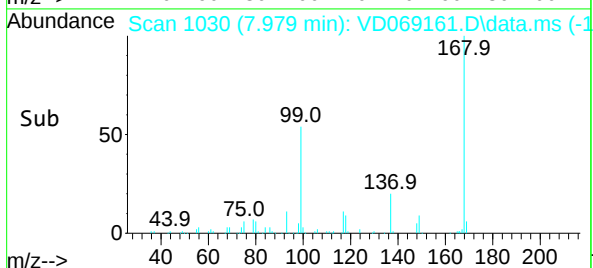
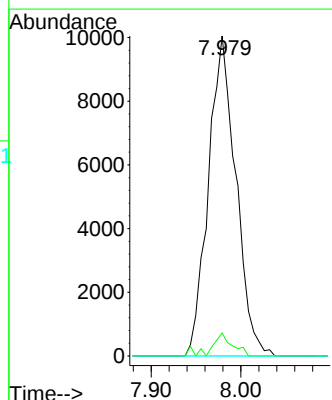
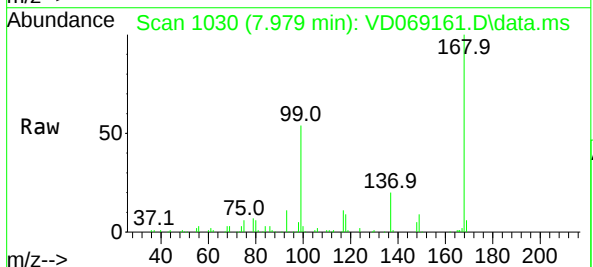
Instrument :
MSVOA_D
ClientSampleId :
RBR-200032

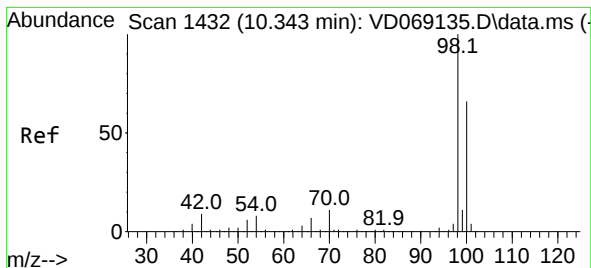
Tgt Ion: 75 Resp: 17007
Ion Ratio Lower Upper
75 100
110 10.9 18.8 56.4#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 4.78 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.123 min
Lab File: VD069161.D
Acq: 13 May 2021 17:04

Tgt Ion: 117 Resp: 21347
Ion Ratio Lower Upper
117 100
119 7.1 76.2 114.2#
121 0.0 21.9 32.9#

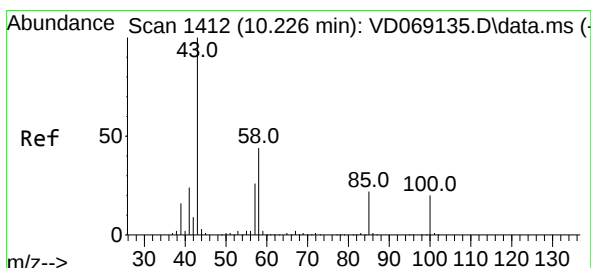
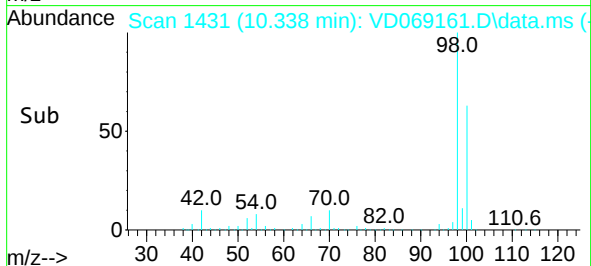
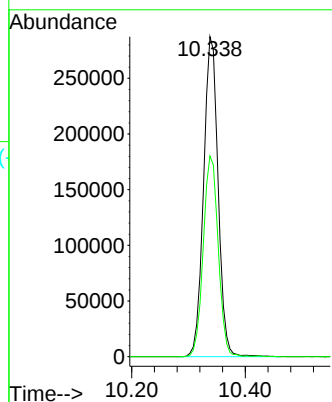
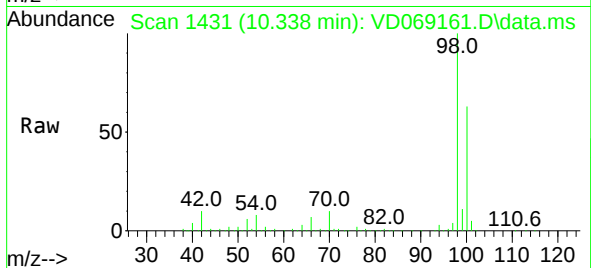




#50
Toluene-d8
Concen: 51.85 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.005 min
Lab File: VD069161.D
Acq: 13 May 2021 17:04

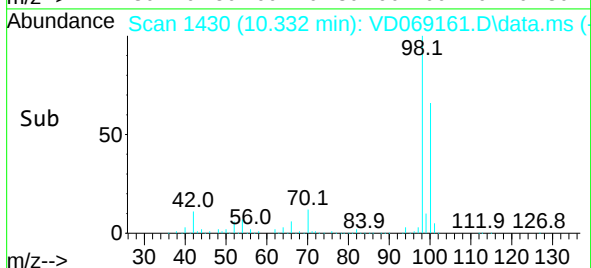
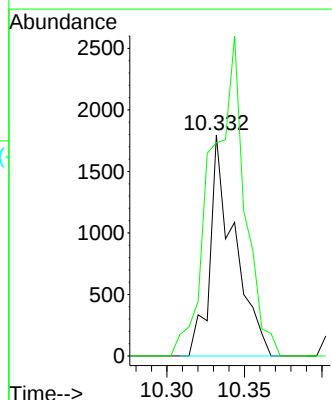
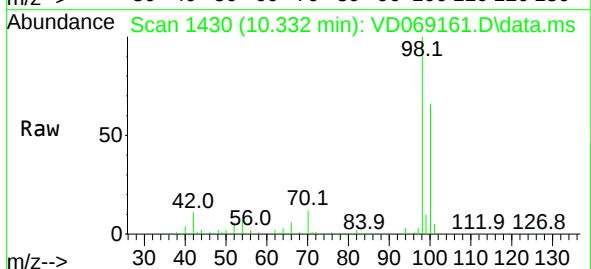
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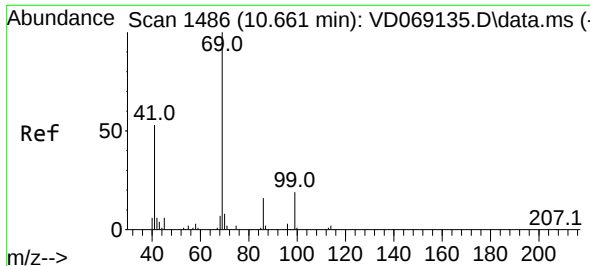
Tgt Ion: 98 Resp: 509636
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 1.63 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD069161.D
Acq: 13 May 2021 17:04

Tgt Ion: 43 Resp: 1951
Ion Ratio Lower Upper
43 100
58 199.5 35.0 52.4#

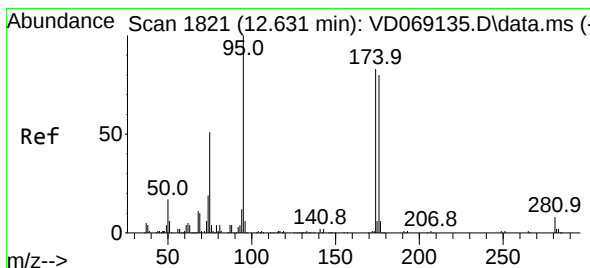
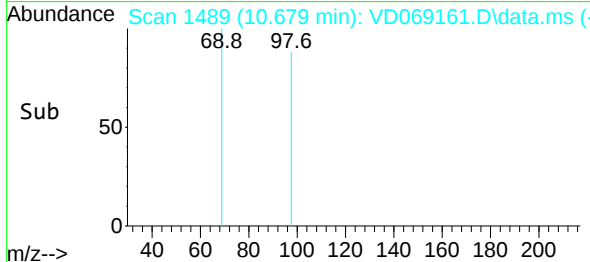
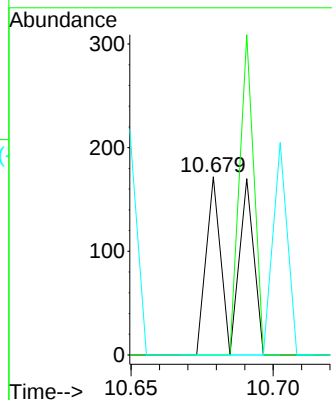
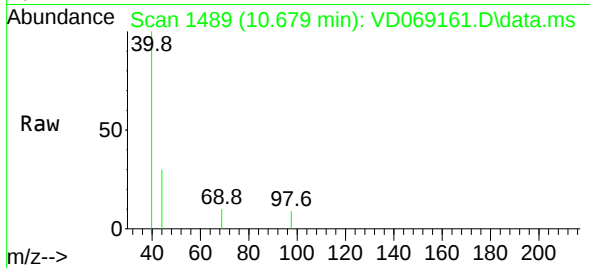




#56
Ethyl methacrylate
Concen: 1.37 ug/l
RT: 10.679 min Scan# 1489
Delta R.T. 0.018 min
Lab File: VD069161.D
Acq: 13 May 2021 17:04

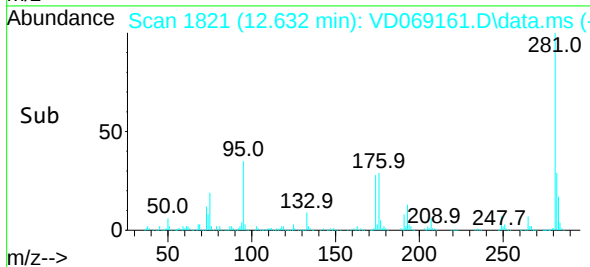
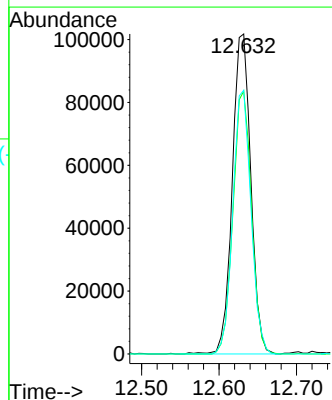
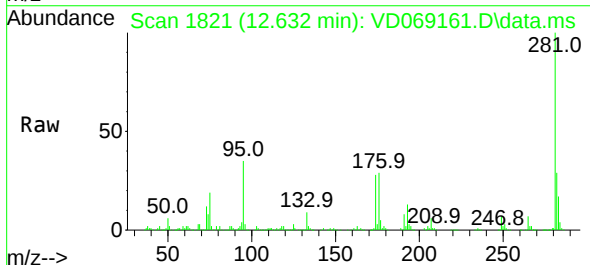
Instrument :
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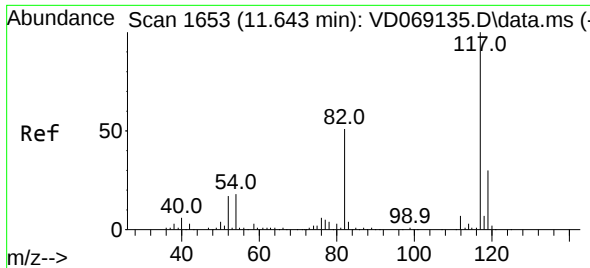
Tgt Ion: 69 Resp: 121
Ion Ratio Lower Upper
69 100
41 0.0 42.2 63.2#
39 0.0 26.3 39.5#



#62
4-Bromofluorobenzene
Concen: 53.52 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD069161.D
Acq: 13 May 2021 17:04

Tgt Ion: 95 Resp: 169247
Ion Ratio Lower Upper
95 100
174 81.7 0.0 171.8
176 81.0 0.0 165.4

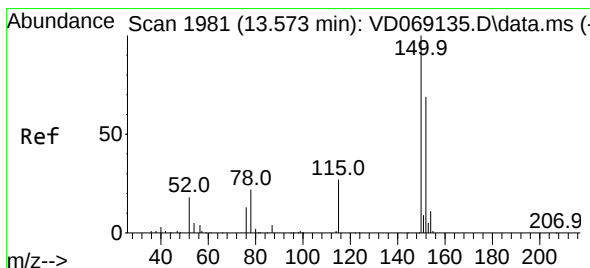
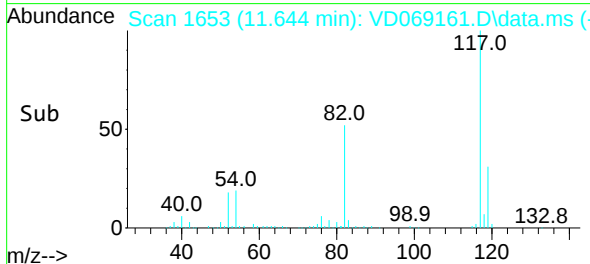
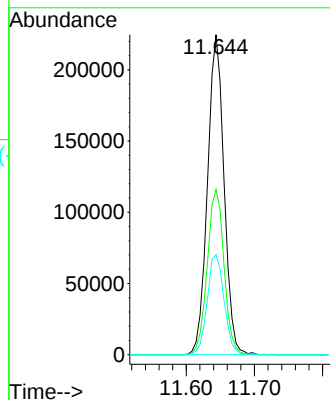
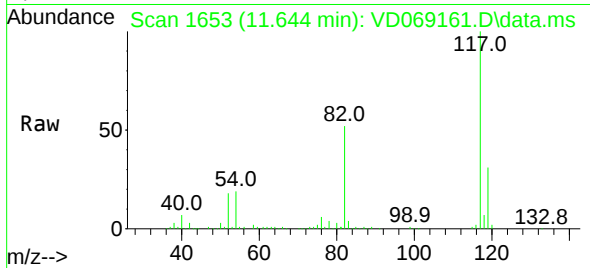




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069161.D
Acq: 13 May 2021 17:04

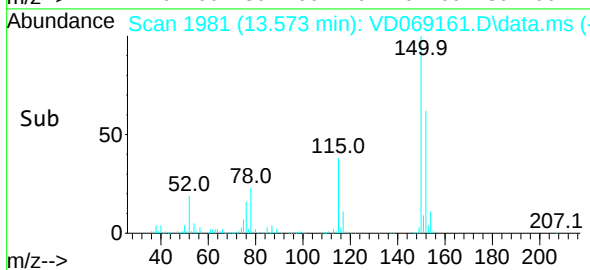
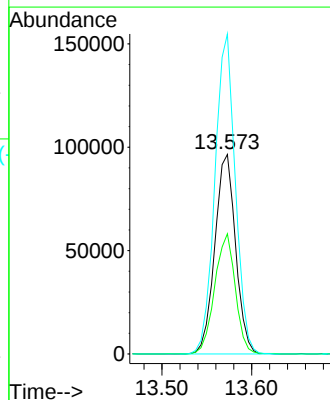
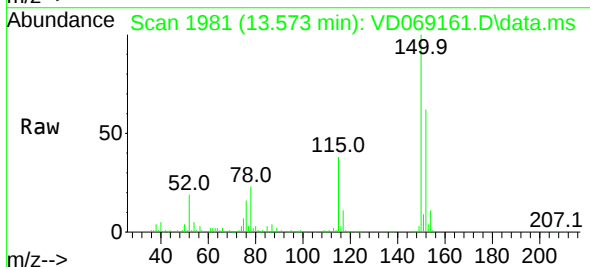
Instrument :
MSVOA_D
ClientSampleId :
RBR-200032

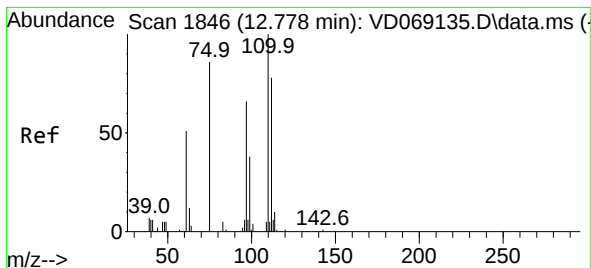
Tgt Ion:117 Resp: 379023
Ion Ratio Lower Upper
117 100
82 51.6 40.5 60.7
119 31.2 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD069161.D
Acq: 13 May 2021 17:04

Tgt Ion:152 Resp: 155258
Ion Ratio Lower Upper
152 100
115 59.8 29.9 89.8
150 157.2 0.0 350.2

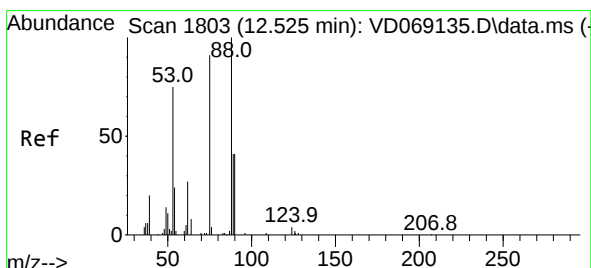
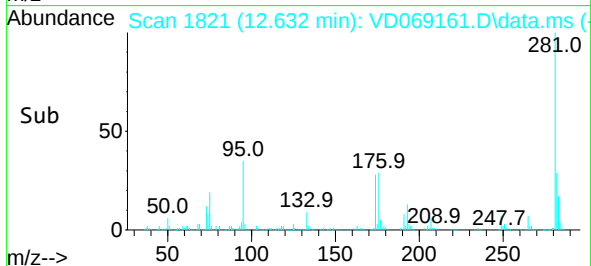
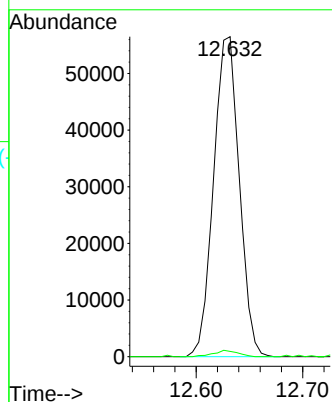
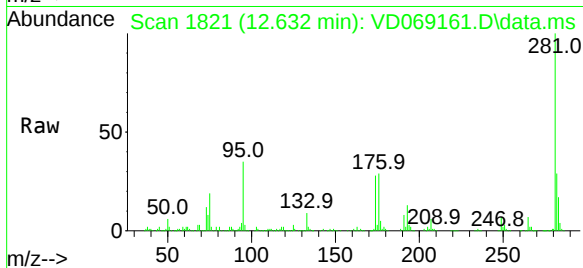




#76
1,2,3-Trichloropropane
Concen: 80.96 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD069161.D
Acq: 13 May 2021 17:04

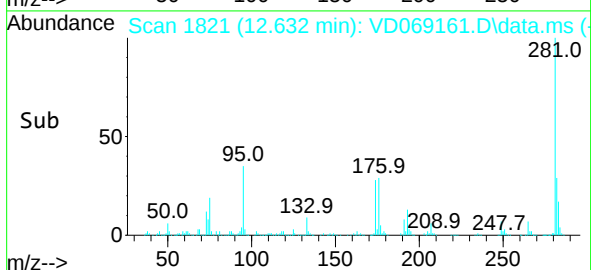
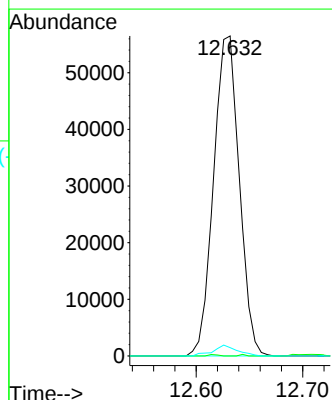
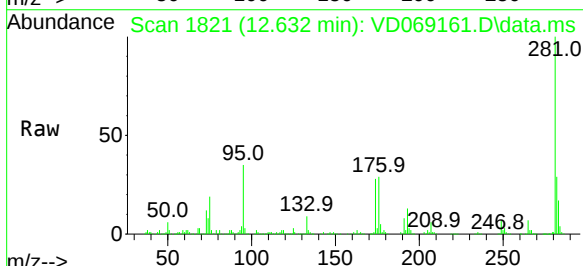
Instrument :
MSVOA_D
ClientSampleId :
RBR-200032

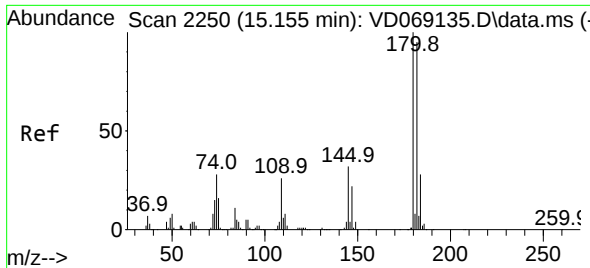
Tgt Ion: 75 Resp: 94492
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 163.54 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD069161.D
Acq: 13 May 2021 17:04

Tgt Ion: 75 Resp: 94492
Ion Ratio Lower Upper
75 100
53 0.1 70.0 105.0#
89 3.2 40.2 60.2#

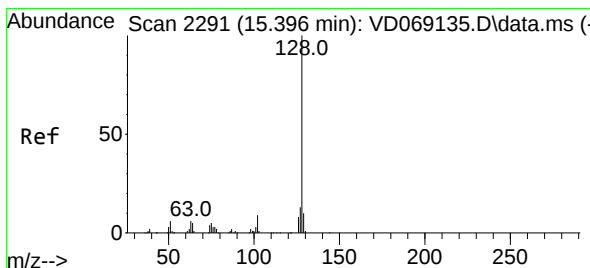
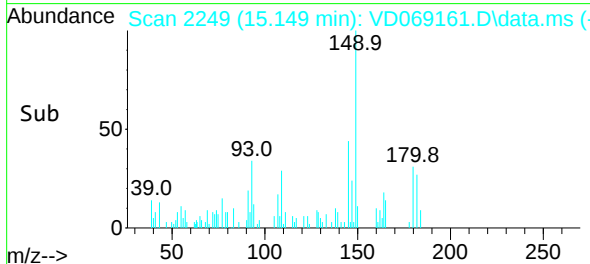
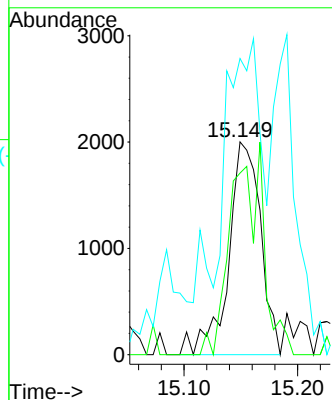
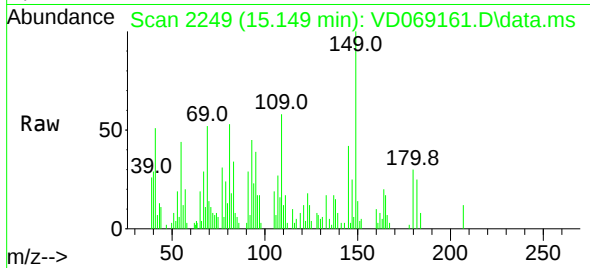




#93
1,2,4-Trichlorobenzene
Concen: 1.44 ug/l
RT: 15.149 min Scan# 2249
Delta R.T. -0.005 min
Lab File: VD069161.D
Acq: 13 May 2021 17:04

Instrument :
MSVOA_D
ClientSampleId :
RBR-200032

Tgt Ion:180 Resp: 3936
Ion Ratio Lower Upper
180 100
182 98.8 47.8 143.3
145 161.6 15.6 46.8#



#95
Naphthalene
Concen: 2.32 ug/l
RT: 15.408 min Scan# 2293
Delta R.T. 0.012 min
Lab File: VD069161.D
Acq: 13 May 2021 17:04

Tgt Ion:128 Resp: 1472
Ion Ratio Lower Upper
128 100
127 18.9 10.5 15.7#
129 10.9 8.9 13.3

