

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060321\
 Data File : VD069328.D
 Acq On : 03 Jun 2021 16:42
 Operator : VA/SY
 Sample : M2587-02
 Misc : 6.115.53G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 04 09:36:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 02 02:17:36 2021
 Response via : Initial Calibration

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

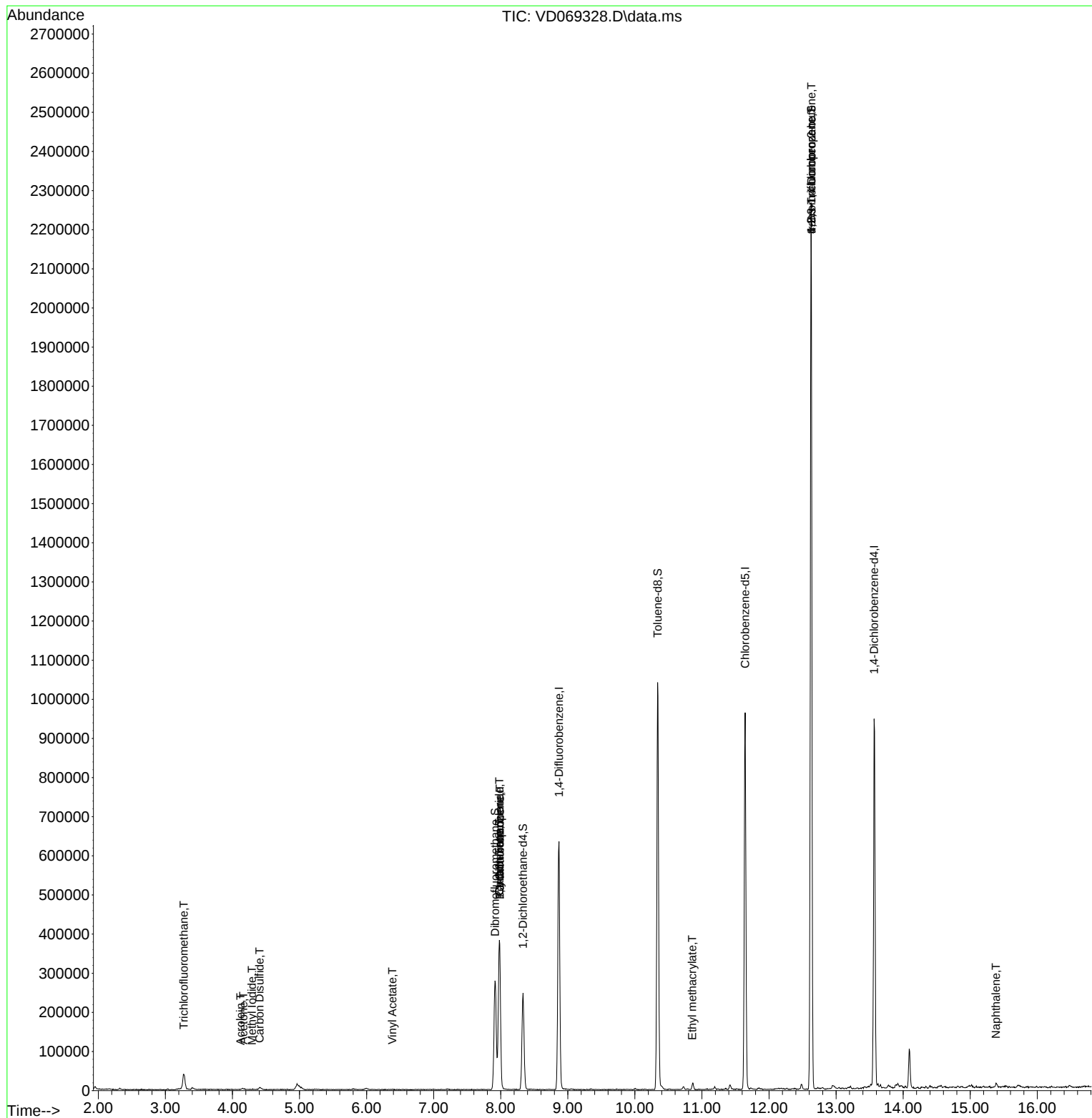
Internal Standards						
1) Pentafluorobenzene	7.985	168	292122	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	572487	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	578912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	258477	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	191253	68.23	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 136.46%			
35) Dibromofluoromethane	7.914	113	202848	56.42	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.84%			
50) Toluene-d8	10.338	98	730628	55.89	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 111.78%			
62) 4-Bromofluorobenzene	12.632	95	268063	62.58	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 125.16%			
Target Compounds						
					Qvalue	
7) Trichlorofluoromethane	3.274	101	42779	7.78	ug/l	96
10) Methyl Iodide	4.291	142	229	2.58	ug/l #	39
11) Tert butyl alcohol	5.220	59	1090	Below Cal	#	73
13) Acrolein	4.121	56	92	17.60	ug/l #	16
16) Acetone	4.162	43	3140	6.42	ug/l	93
17) Carbon Disulfide	4.403	76	11862	1.22	ug/l #	95
20) Methylene Chloride	4.962	84	11219	Below Cal	#	92
23) Vinyl Acetate	6.385	43	59	11.62	ug/l #	67
31) Cyclohexane	7.979	56	5756	1.29	ug/l #	1
36) 1,1-Dichloropropene	7.985	75	22734	4.09	ug/l #	49
38) Carbon Tetrachloride	7.979	117	30118	5.01	ug/l #	15
56) Ethyl methacrylate	10.855	69	866	2.87	ug/l #	1
76) 1,2,3-Trichloropropane	12.632	75	144247	64.23	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.632	75	144247	142.34	ug/l #	20
95) Naphthalene	15.385	128	9980	4.36	ug/l	99

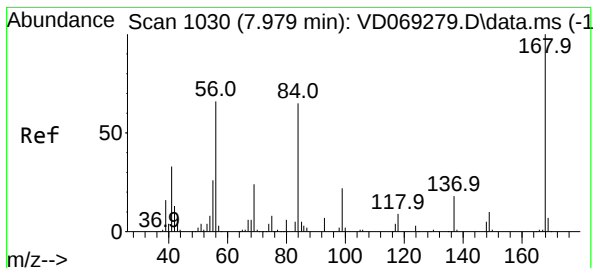
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 04 09:36:17 2021
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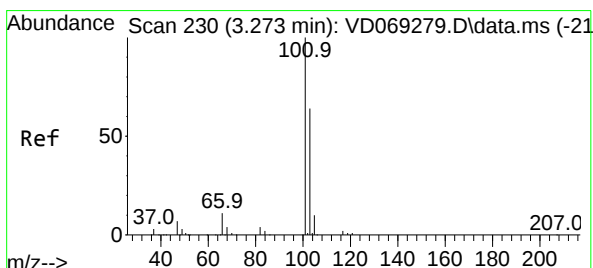
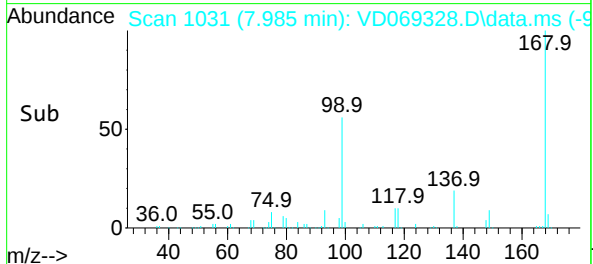
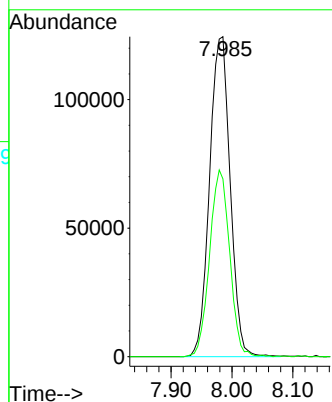
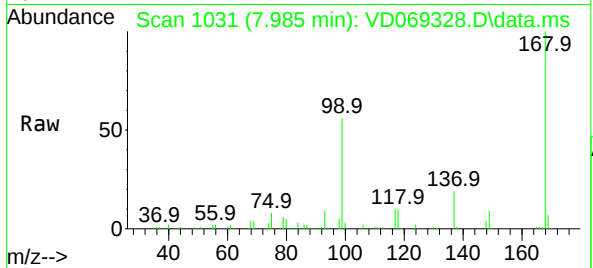




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD069328.D
Acq: 03 Jun 2021 16:42

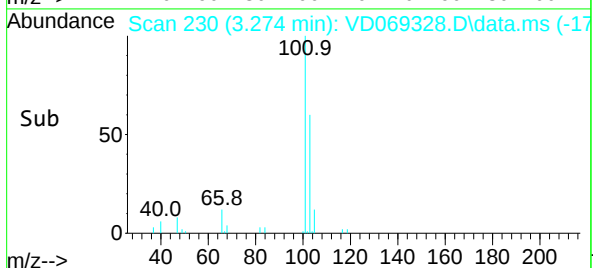
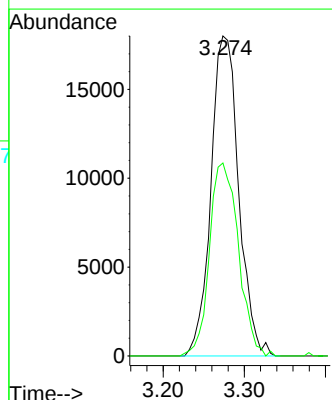
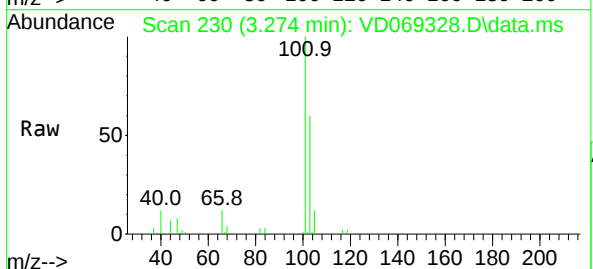
Instrument :
MSVOA_D
ClientSampled :

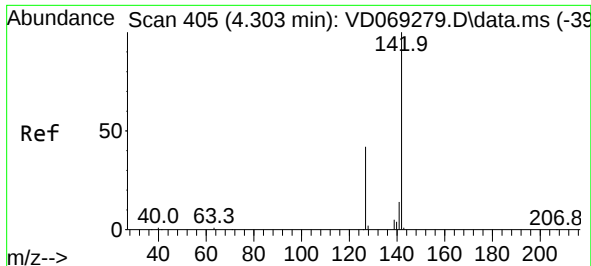
Tgt Ion:168 Resp: 292122
Ion Ratio Lower Upper
168 100
99 55.6 46.2 69.2



#7
Trichlorofluoromethane
Concen: 7.78 ug/l
RT: 3.274 min Scan# 230
Delta R.T. 0.000 min
Lab File: VD069328.D
Acq: 03 Jun 2021 16:42

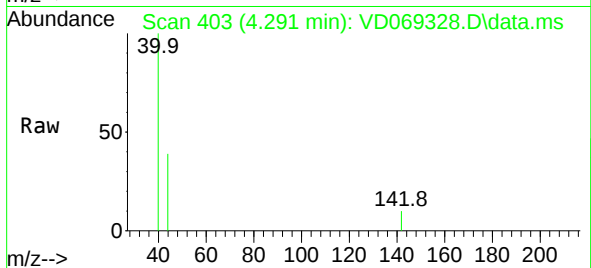
Tgt Ion:101 Resp: 42779
Ion Ratio Lower Upper
101 100
103 60.3 51.0 76.4



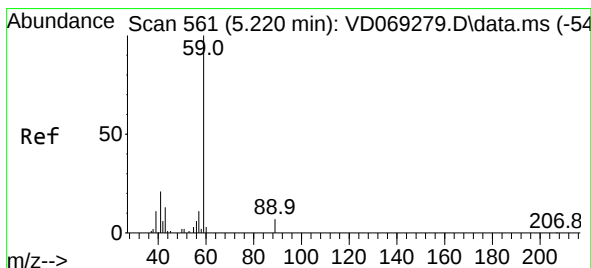
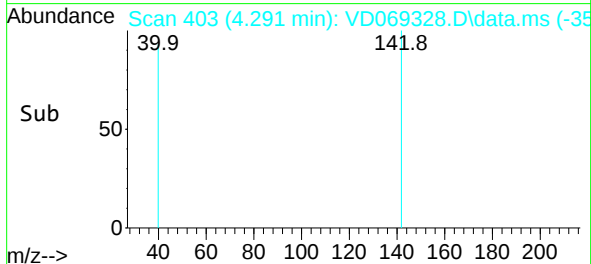
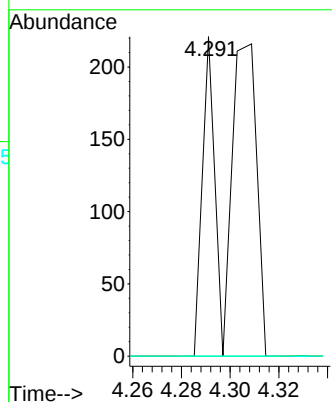


#10
Methyl Iodide
Concen: 2.58 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD069328.D
Acq: 03 Jun 2021 16:42

Instrument :
MSVOA_D
ClientSampled :

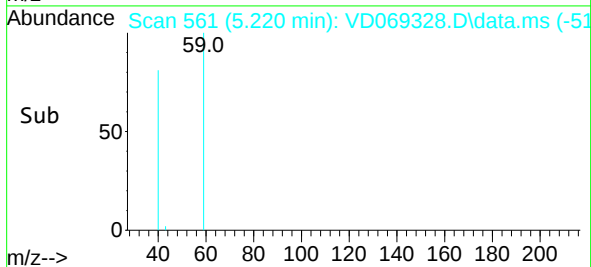
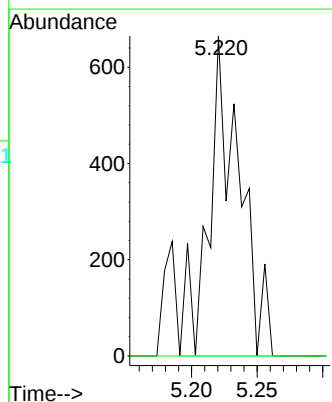
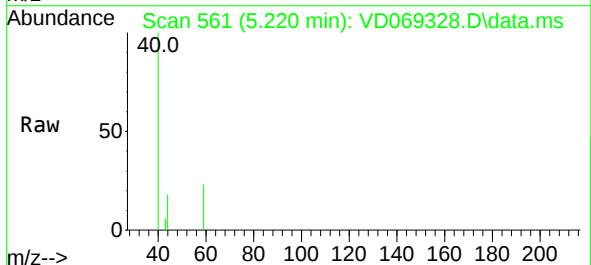


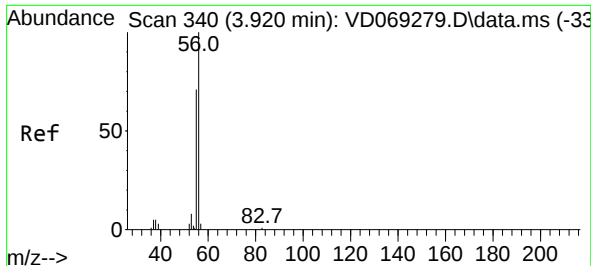
Tgt Ion:142 Resp: 229
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.2#
141 0.0 12.2 18.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD069328.D
Acq: 03 Jun 2021 16:42

Tgt Ion: 59 Resp: 1090
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

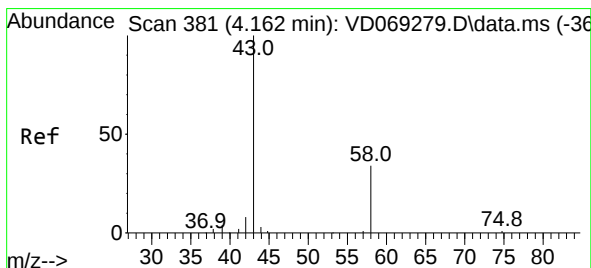
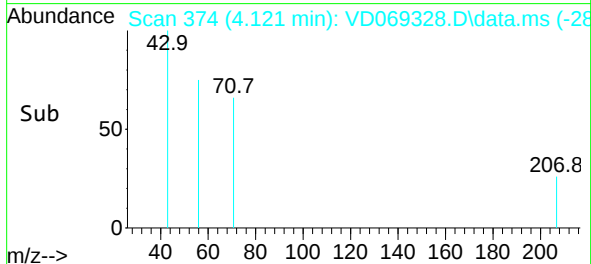
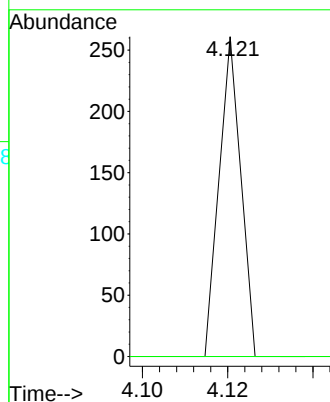
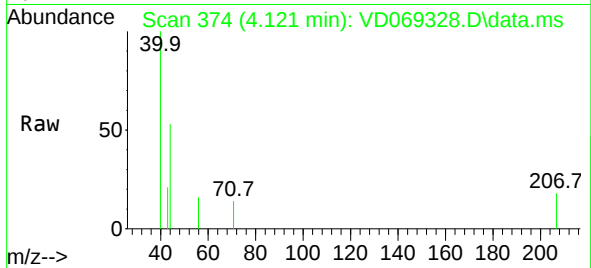




#13
Acrolein
Concen: 17.60 ug/l
RT: 4.121 min Scan# 374
Delta R.T. 0.201 min
Lab File: VD069328.D
Acq: 03 Jun 2021 16:42

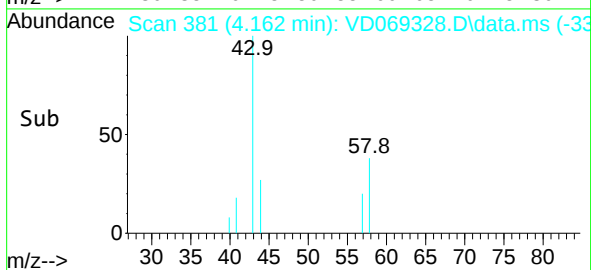
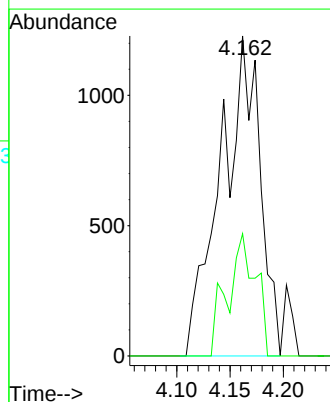
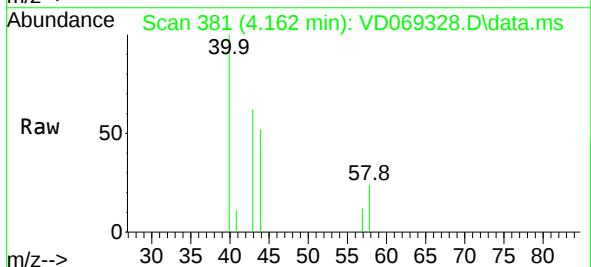
Instrument :
MSVOA_D
ClientSampled :

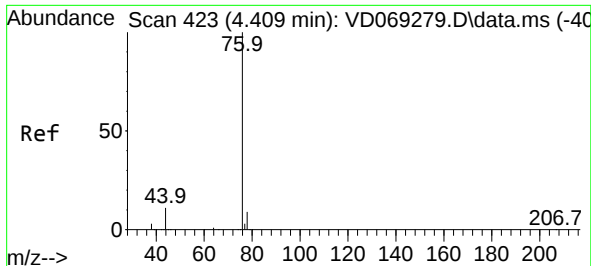
Tgt Ion: 56 Resp: 92
Ion Ratio Lower Upper
56 100
55 0.0 53.8 80.8#



#16
Acetone
Concen: 6.42 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD069328.D
Acq: 03 Jun 2021 16:42

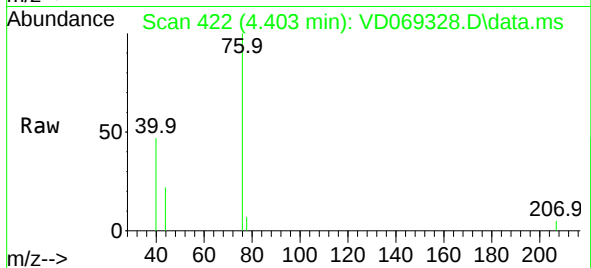
Tgt Ion: 43 Resp: 3140
Ion Ratio Lower Upper
43 100
58 38.2 27.5 41.3



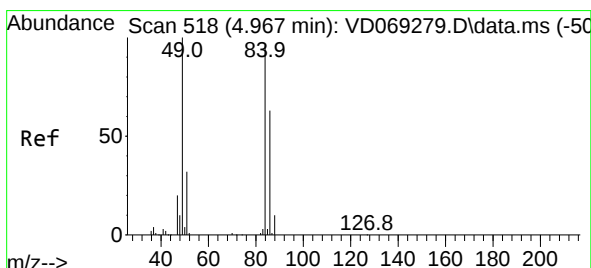
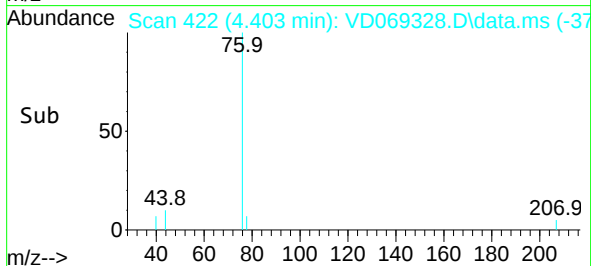
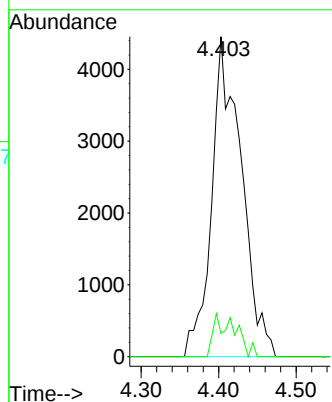


#17
Carbon Disulfide
Concen: 1.22 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD069328.D
Acq: 03 Jun 2021 16:42

Instrument :
MSVOA_D
ClientSampleId :

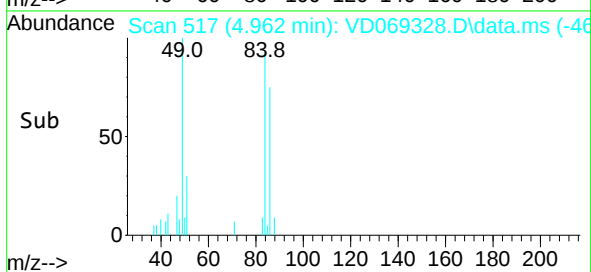
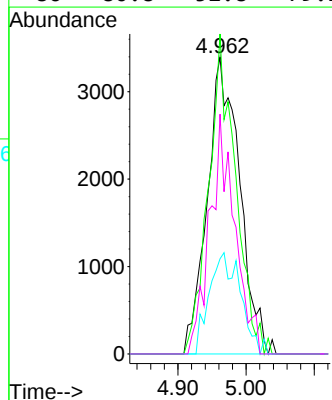
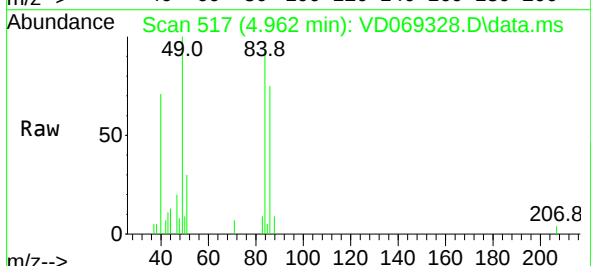


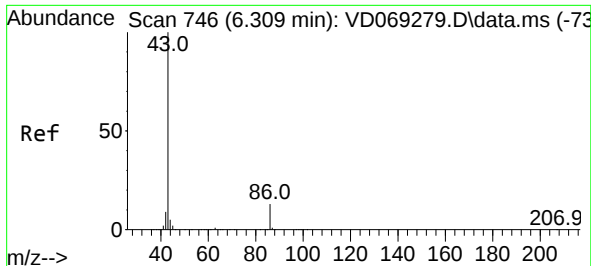
Tgt Ion: 76 Resp: 11862
Ion Ratio Lower Upper
76 100
78 7.2 7.4 11.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.005 min
Lab File: VD069328.D
Acq: 03 Jun 2021 16:42

Tgt Ion: 84 Resp: 11219
Ion Ratio Lower Upper
84 100
49 107.8 83.7 125.5
51 32.1 26.4 39.6
86 80.8 52.8 79.2#

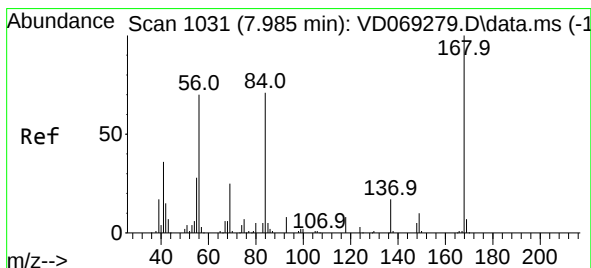
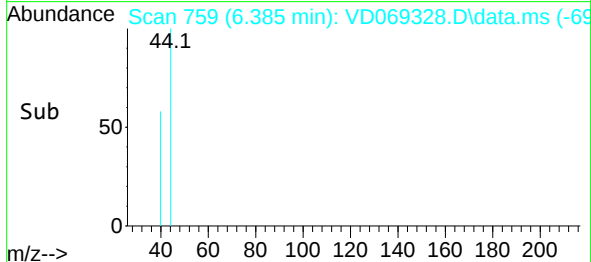
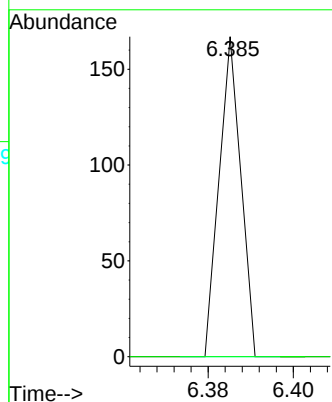
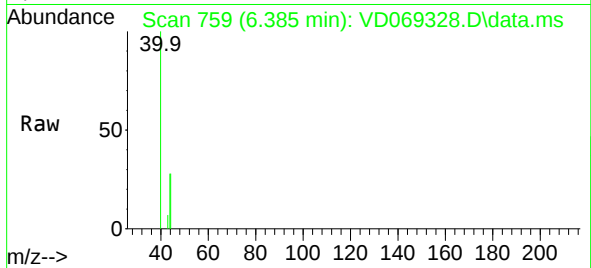




#23
 Vinyl Acetate
 Concen: 11.62 ug/l
 RT: 6.385 min Scan# 759
 Delta R.T. 0.076 min
 Lab File: VD069328.D
 Acq: 03 Jun 2021 16:42

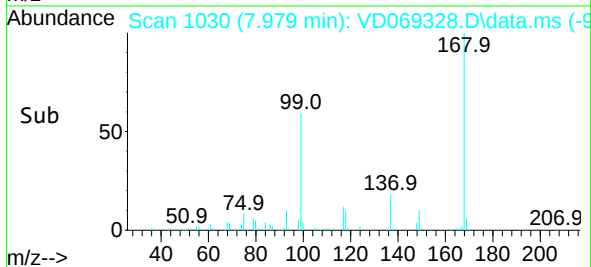
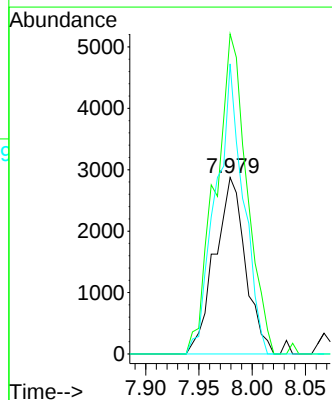
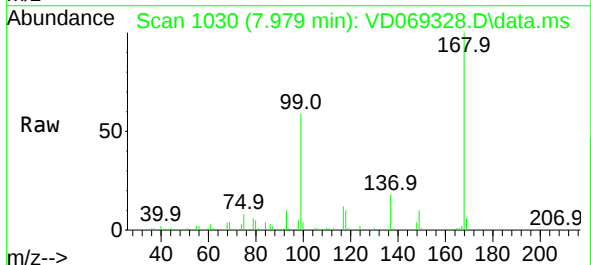
Instrument :
 MSVOA_D
 ClientSampled :

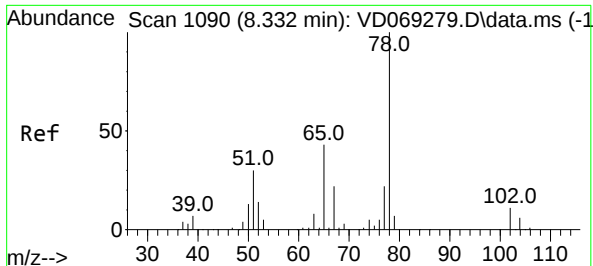
Tgt Ion: 43 Resp: 59
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.5 15.7#



#31
 Cyclohexane
 Concen: 1.29 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.006 min
 Lab File: VD069328.D
 Acq: 03 Jun 2021 16:42

Tgt Ion: 56 Resp: 5756
 Ion Ratio Lower Upper
 56 100
 69 181.4 29.0 43.4#
 84 164.4 81.1 121.7#

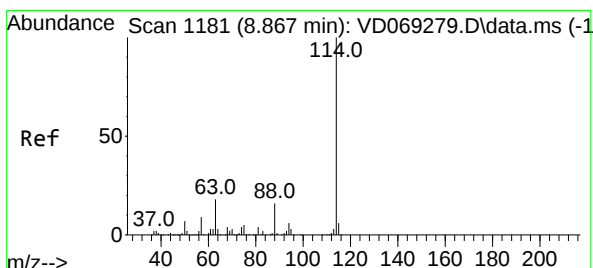
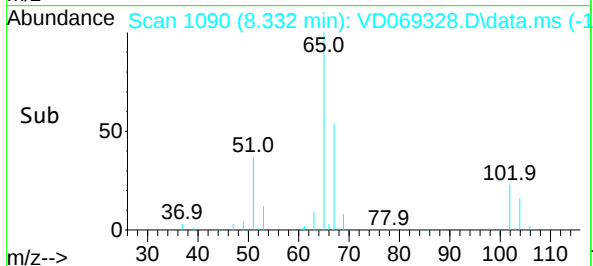
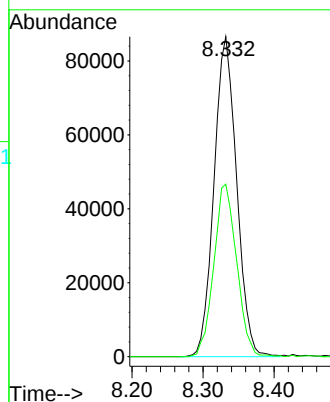
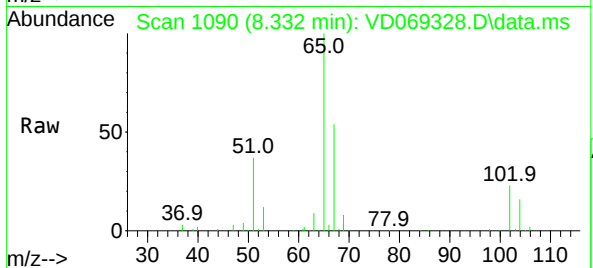




#33
1,2-Dichloroethane-d4
Concen: 68.23 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069328.D
Acq: 03 Jun 2021 16:42

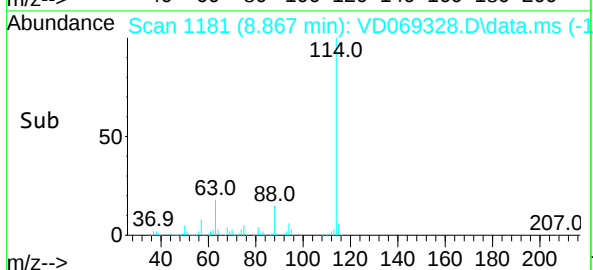
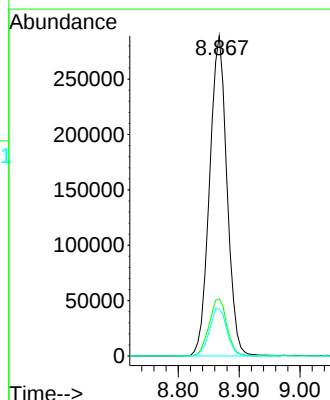
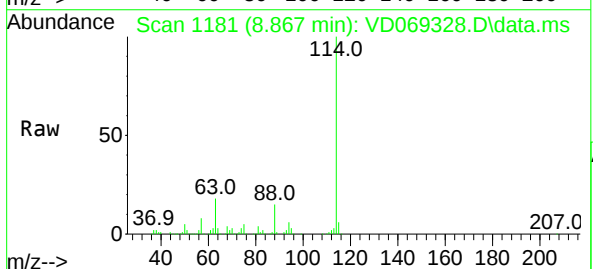
Instrument :
MSVOA_D
ClientSampled :

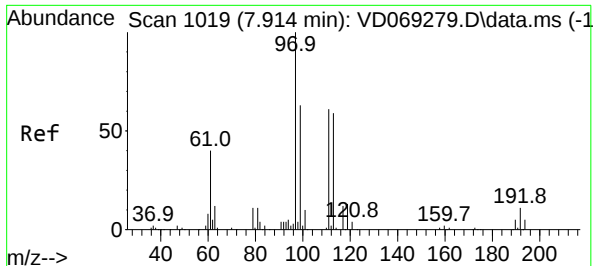
Tgt Ion: 65 Resp: 191253
Ion Ratio Lower Upper
65 100
67 54.5 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069328.D
Acq: 03 Jun 2021 16:42

Tgt Ion: 114 Resp: 572487
Ion Ratio Lower Upper
114 100
63 17.8 0.0 35.6
88 14.6 0.0 31.2





#35

Dibromofluoromethane

Concen: 56.42 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069328.D

Acq: 03 Jun 2021 16:42

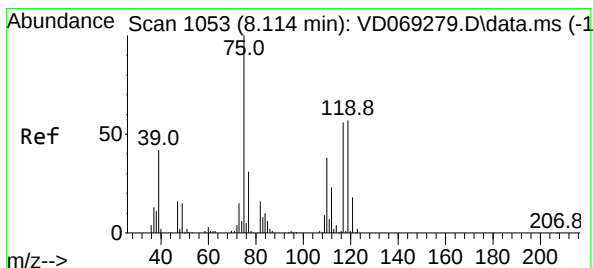
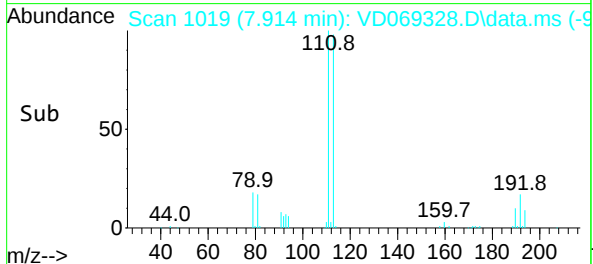
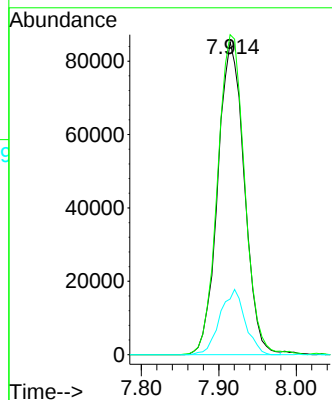
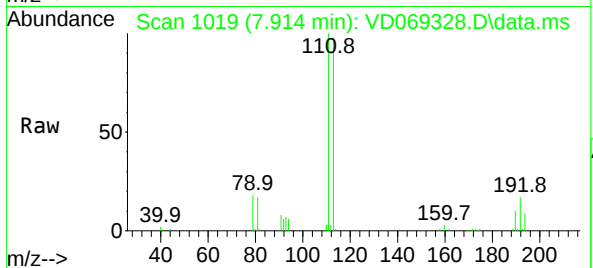
Tgt Ion:113 Resp: 202848

Ion Ratio Lower Upper

113 100

111 104.5 83.0 124.6

192 19.8 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.09 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.129 min

Lab File: VD069328.D

Acq: 03 Jun 2021 16:42

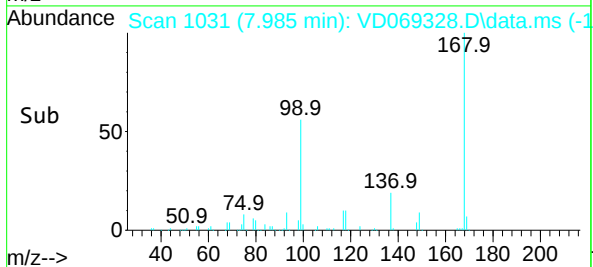
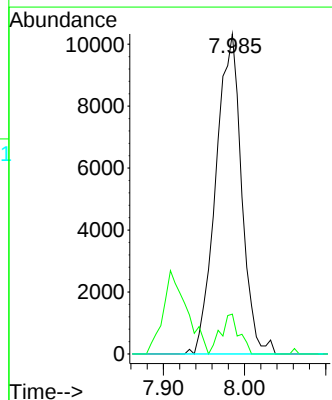
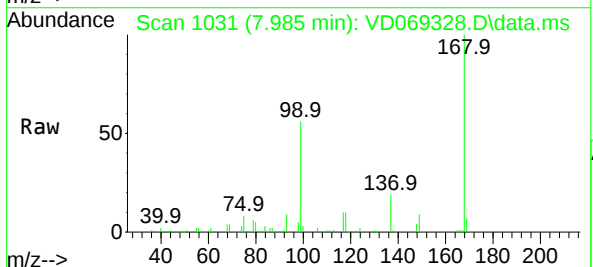
Tgt Ion: 75 Resp: 22734

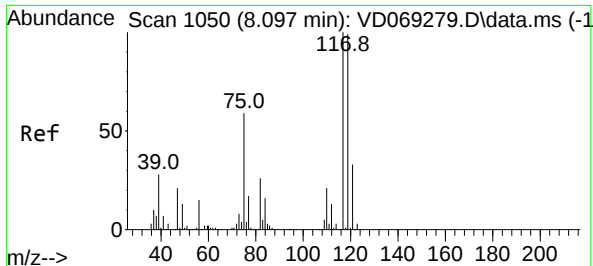
Ion Ratio Lower Upper

75 100

110 8.9 18.4 55.2#

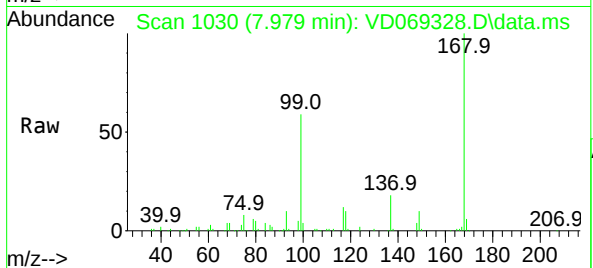
77 0.0 24.9 37.3#



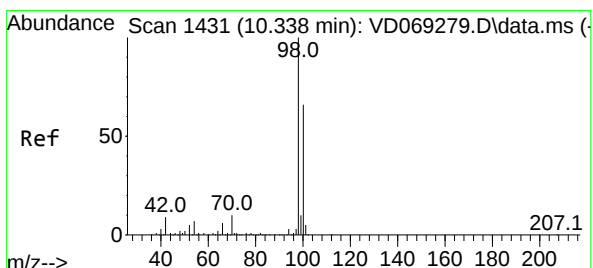
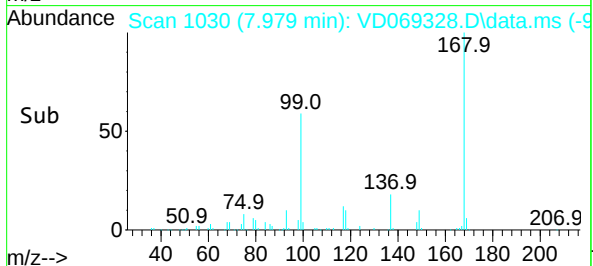
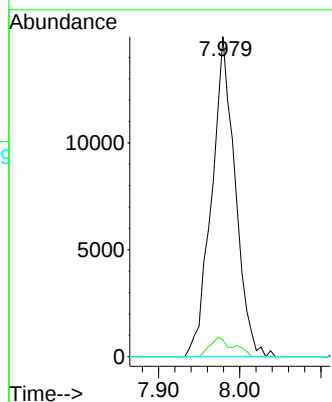


#38
Carbon Tetrachloride
Concen: 5.01 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.117 min
Lab File: VD069328.D
Acq: 03 Jun 2021 16:42

Instrument :
MSVOA_D
ClientSampleId :

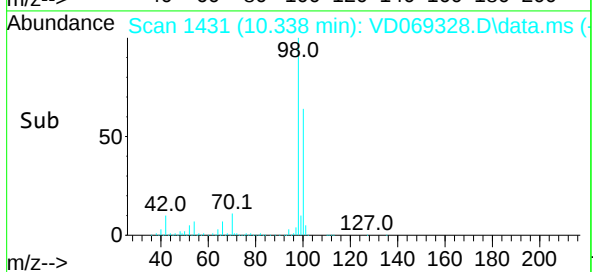
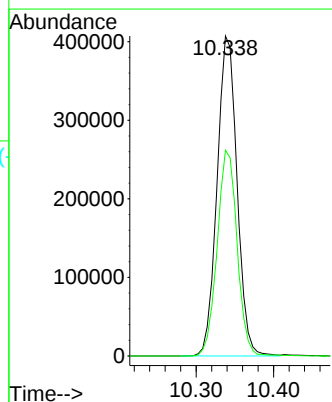
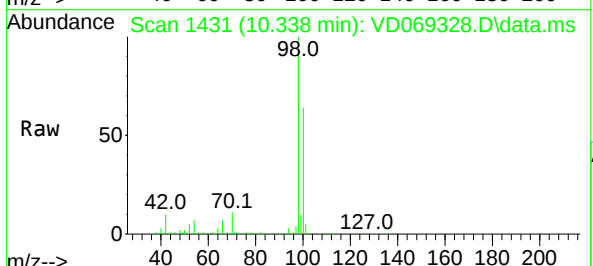


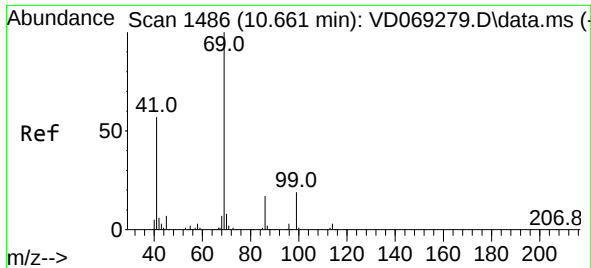
Tgt Ion:117 Resp: 30118
Ion Ratio Lower Upper
117 100
119 5.2 79.4 119.2#
121 0.0 26.1 39.1#



#50
Toluene-d8
Concen: 55.89 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069328.D
Acq: 03 Jun 2021 16:42

Tgt Ion: 98 Resp: 730628
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1

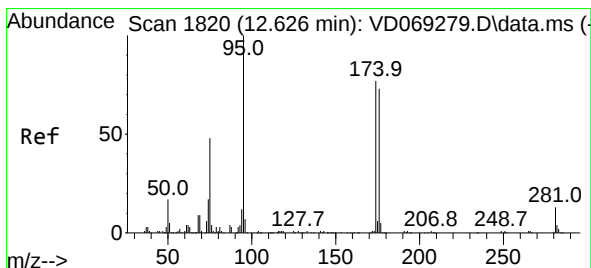
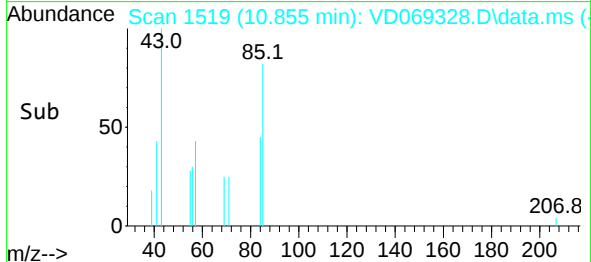
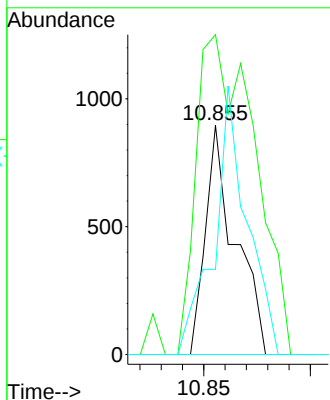
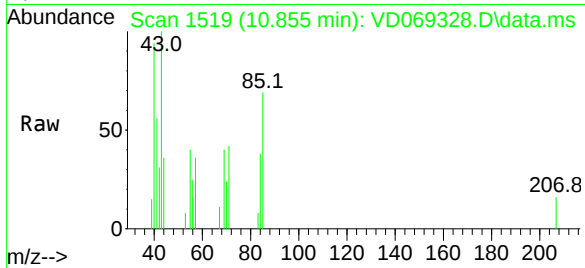




#56
Ethyl methacrylate
Concen: 2.87 ug/l
RT: 10.855 min Scan# 1519
Delta R.T. 0.194 min
Lab File: VD069328.D
Acq: 03 Jun 2021 16:42

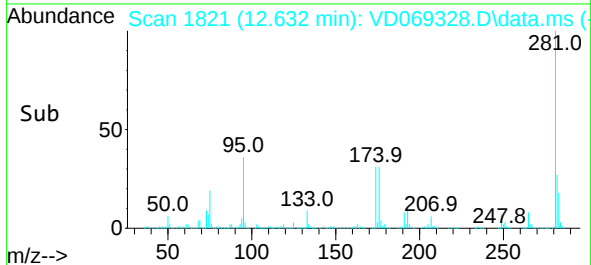
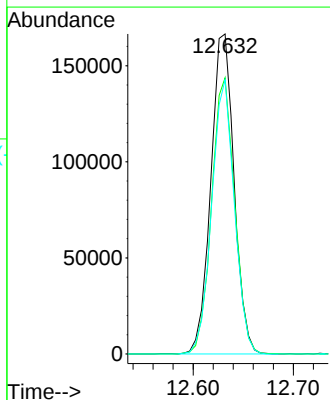
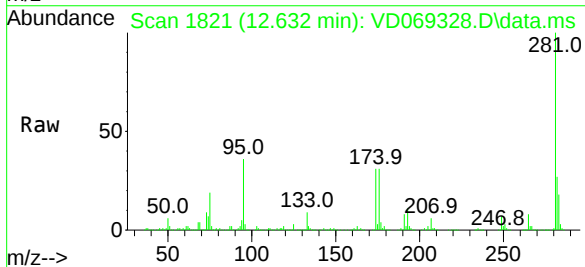
Instrument :
MSVOA_D
ClientSampled :

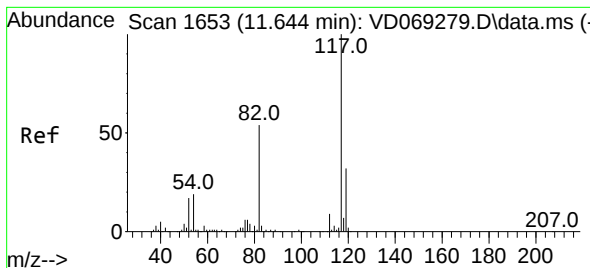
Tgt Ion: 69 Resp: 866
Ion Ratio Lower Upper
69 100
41 281.3 45.4 68.2#
39 130.0 21.7 32.5#



#62
4-Bromofluorobenzene
Concen: 62.58 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD069328.D
Acq: 03 Jun 2021 16:42

Tgt Ion: 95 Resp: 268063
Ion Ratio Lower Upper
95 100
174 85.6 0.0 162.8
176 83.2 0.0 154.4

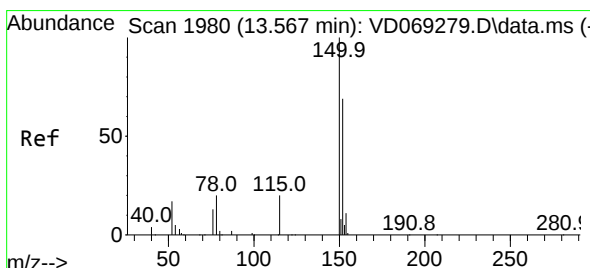
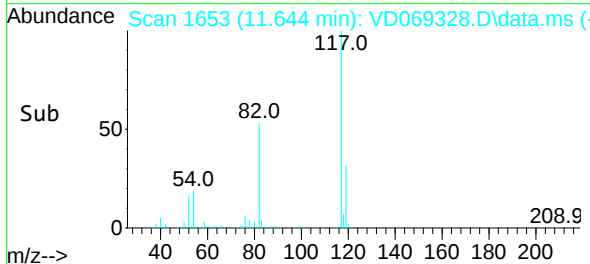
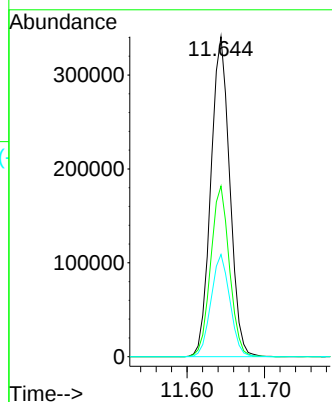
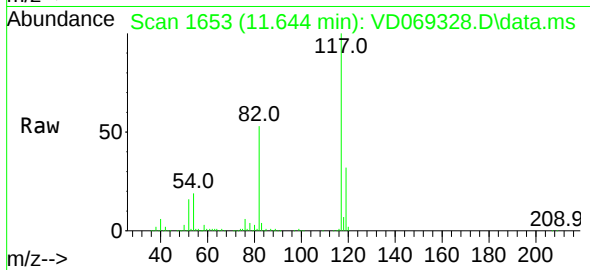




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069328.D
Acq: 03 Jun 2021 16:42

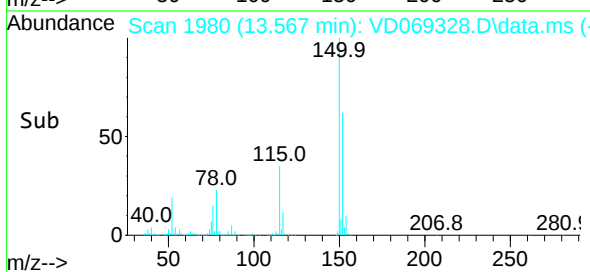
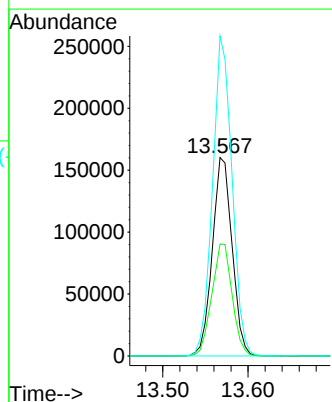
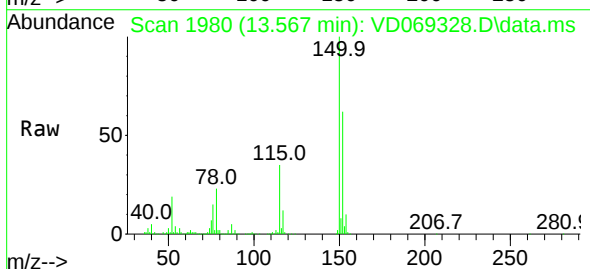
Instrument :
MSVOA_D
ClientSampleId :

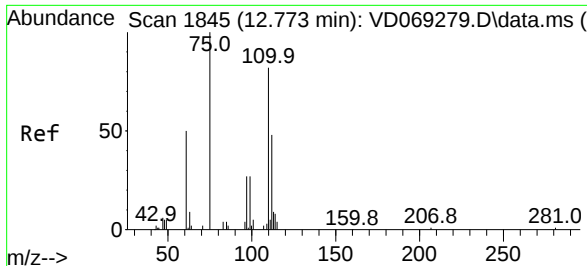
Tgt Ion:117 Resp: 578912
Ion Ratio Lower Upper
117 100
82 53.3 43.3 64.9
119 32.0 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069328.D
Acq: 03 Jun 2021 16:42

Tgt Ion:152 Resp: 258477
Ion Ratio Lower Upper
152 100
115 58.0 29.4 88.3
150 158.4 0.0 355.0

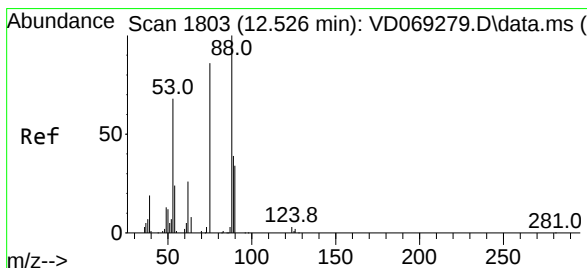
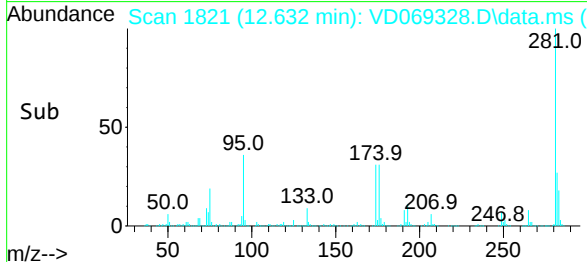
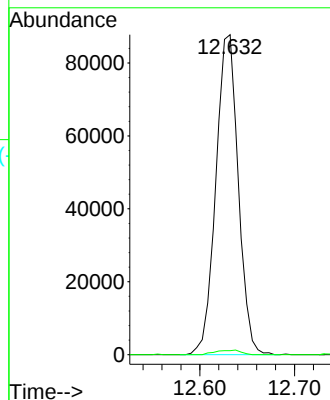
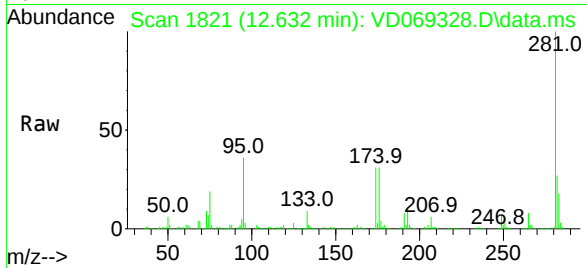




#76
1,2,3-Trichloropropane
Concen: 64.23 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.141 min
Lab File: VD069328.D
Acq: 03 Jun 2021 16:42

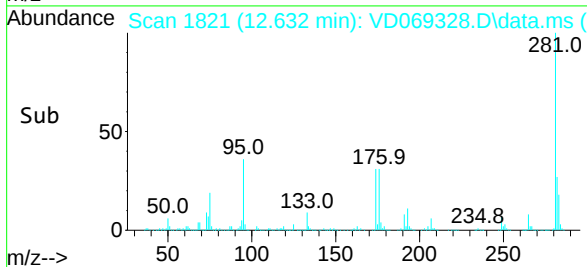
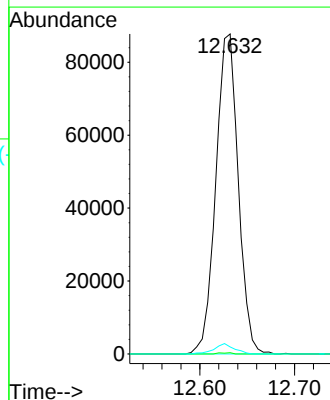
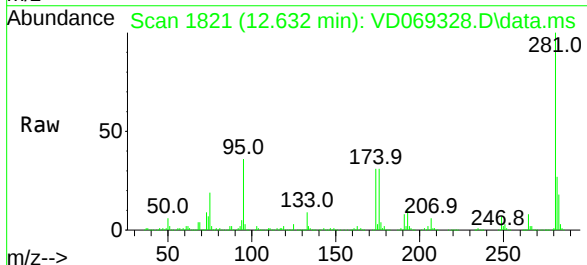
Instrument :
MSVOA_D
ClientSampleId :

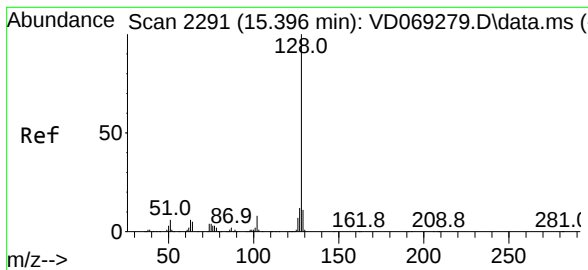
Tgt Ion: 75 Resp: 144247
Ion Ratio Lower Upper
75 100
77 1.6 183.8 551.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 142.34 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD069328.D
Acq: 03 Jun 2021 16:42

Tgt Ion: 75 Resp: 144247
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 2.9 35.6 53.4#





#95
Naphthalene
Concen: 4.36 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.011 min
Lab File: VD069328.D
Acq: 03 Jun 2021 16:42

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 9980
Ion Ratio Lower Upper
128 100
127 12.5 10.4 15.6
129 10.9 8.8 13.2

