

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062221\
 Data File : VD069531.D
 Acq On : 22 Jun 2021 22:17
 Operator : VA/SY
 Sample : M2795-06
 Misc : 8.96G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 23 04:32:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

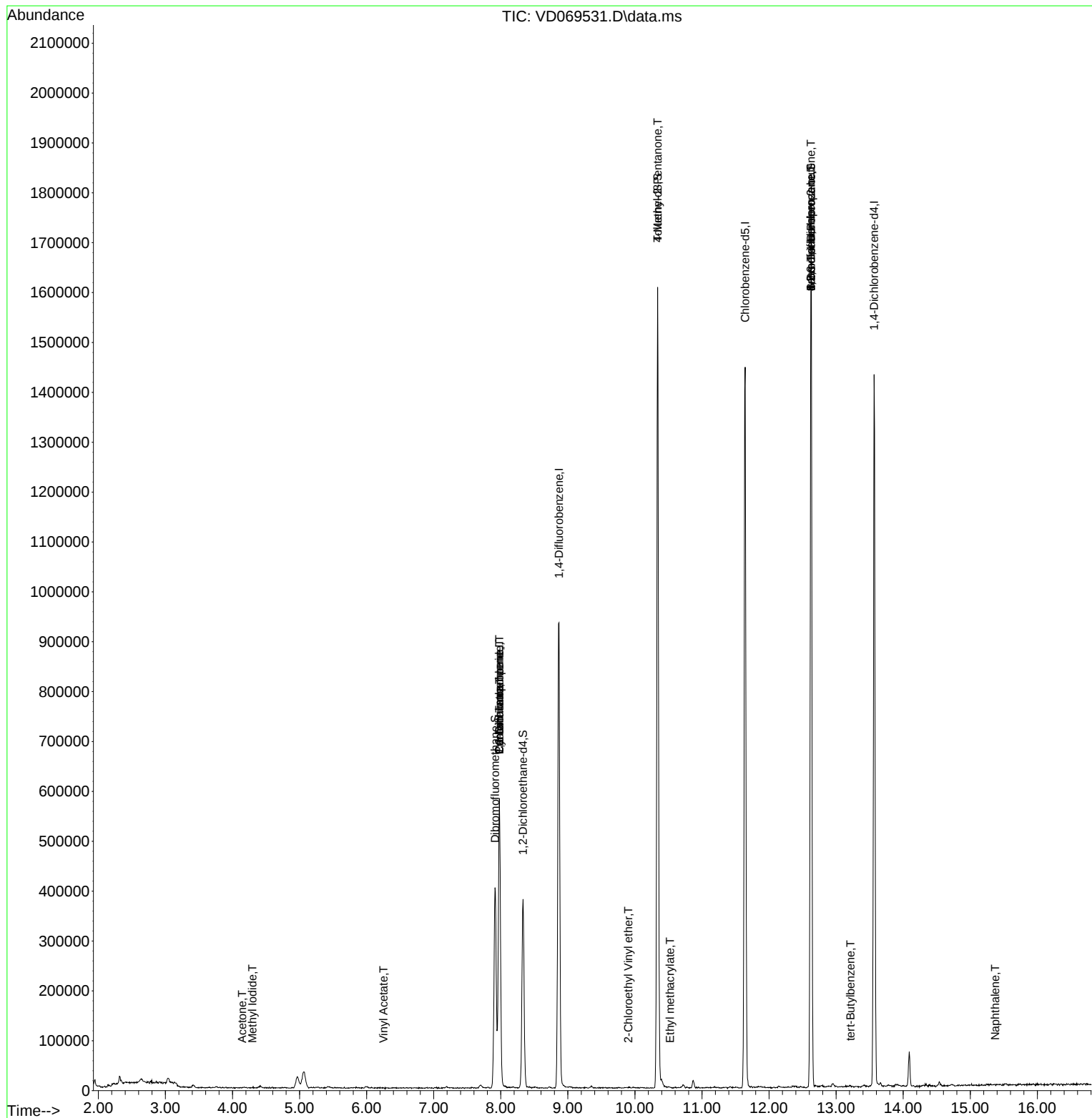
Internal Standards						
1) Pentafluorobenzene	7.979	168	396783	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	802999	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	851852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	374473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	303037	61.271	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.540%			
35) Dibromofluoromethane	7.914	113	293477	54.066	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.140%			
50) Toluene-d8	10.338	98	1060385	52.080	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.160%			
62) 4-Bromofluorobenzene	12.626	95	388384	58.023	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 116.040%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	2560	Below Cal	#	61
10) Methyl Iodide	4.297	142	539	4.060	ug/l #	60
11) Tert butyl alcohol	5.197	59	325	Below Cal	#	83
16) Acetone	4.144	43	984	1.182	ug/l #	41
18) Methyl Acetate	4.732	43	67	Below Cal	#	49
20) Methylene Chloride	4.956	84	16924	Below Cal	#	91
23) Vinyl Acetate	6.250	43	61	19.019	ug/l #	70
31) Cyclohexane	7.979	56	10038	1.507	ug/l #	16
36) 1,1-Dichloropropene	7.979	75	37862	4.804	ug/l #	49
38) Carbon Tetrachloride	7.979	117	45114	5.784	ug/l #	19
51) 4-Methyl-2-Pentanone	10.338	43	4098	1.467	ug/l #	1
56) Ethyl methacrylate	10.526	69	183	2.615	ug/l #	27
58) 2-Chloroethyl Vinyl ether	9.902	63	126	10.646	ug/l #	47
71) Bromoform	12.626	173	3400	1.089	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	203794	55.440	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	203794	138.426	ug/l #	13
83) tert-Butylbenzene	13.214	119	198	2.002	ug/l #	27
95) Naphthalene	15.373	128	232	3.373	ug/l #	69

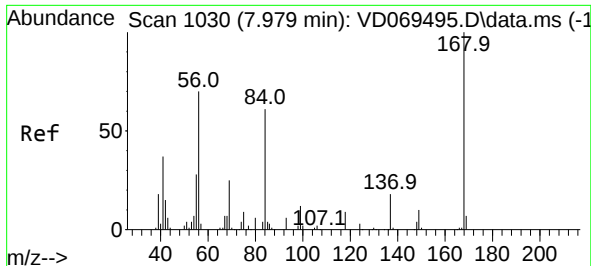
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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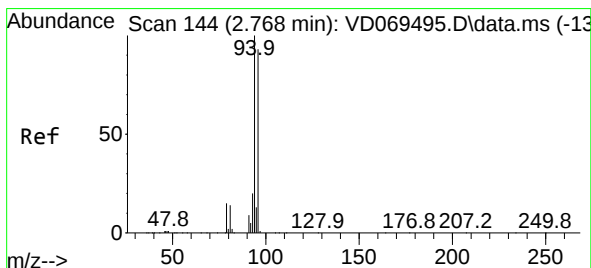
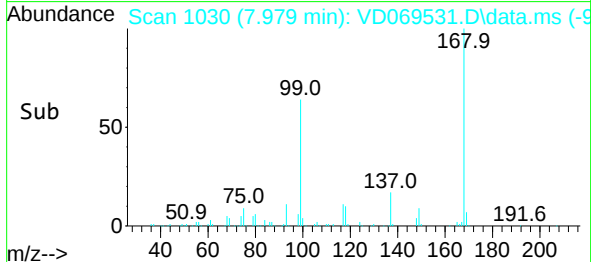
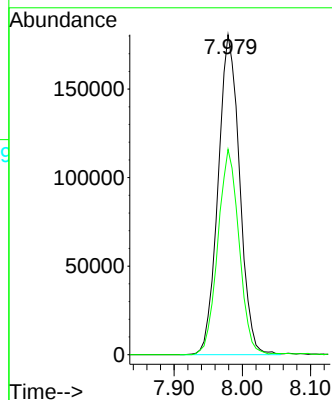
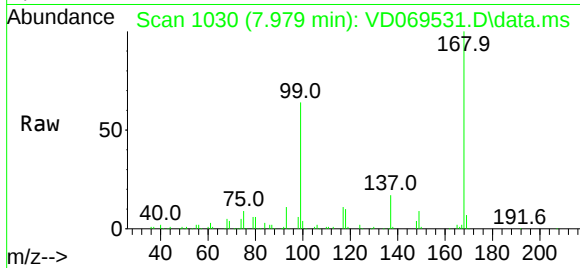




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069531.D
Acq: 22 Jun 2021 22:17

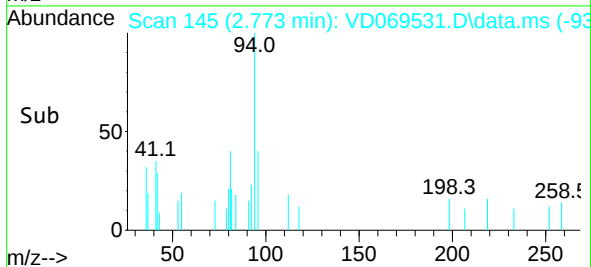
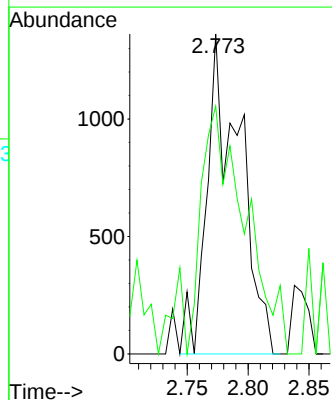
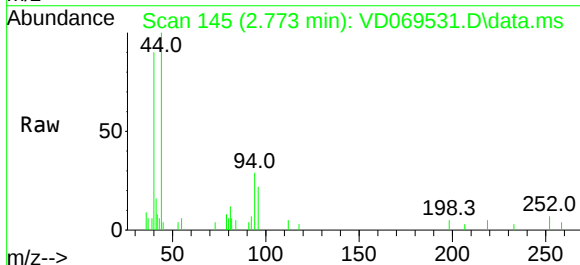
Instrument :
MSVOA_D
ClientSampled :

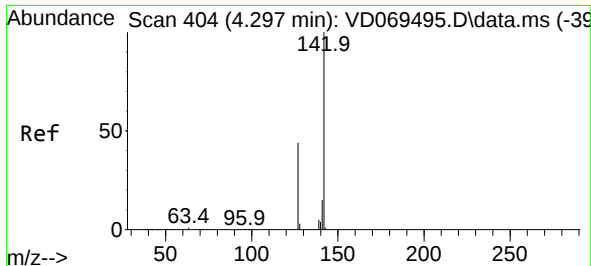
Tgt Ion:168 Resp: 396783
Ion Ratio Lower Upper
168 100
99 64.2 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD069531.D
Acq: 22 Jun 2021 22:17

Tgt Ion: 94 Resp: 2560
Ion Ratio Lower Upper
94 100
96 56.1 74.6 111.8#

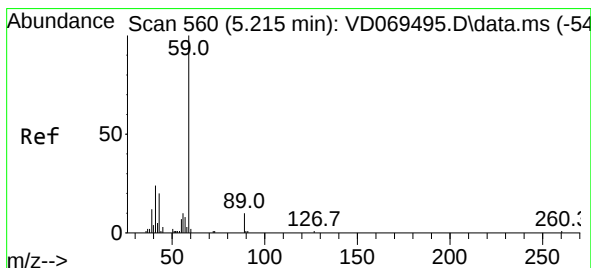
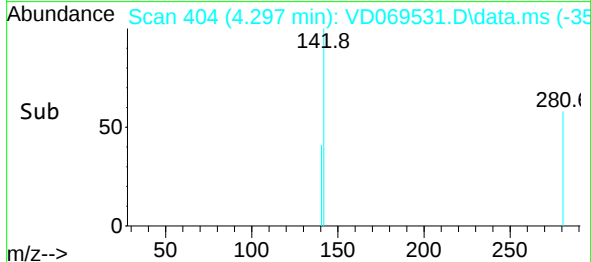
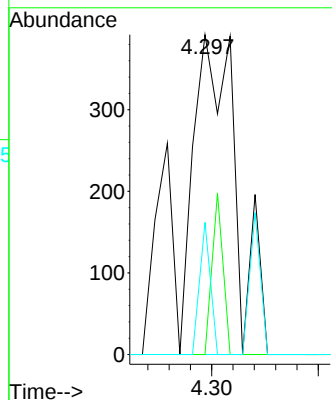
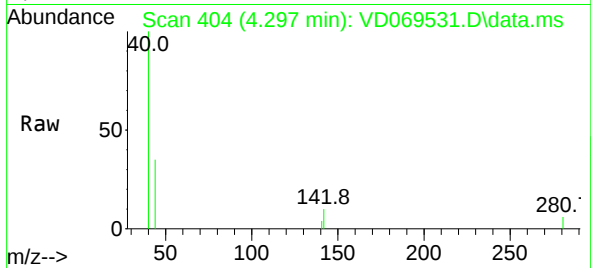




#10
Methyl Iodide
Concen: 4.060 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD069531.D
Acq: 22 Jun 2021 22:17

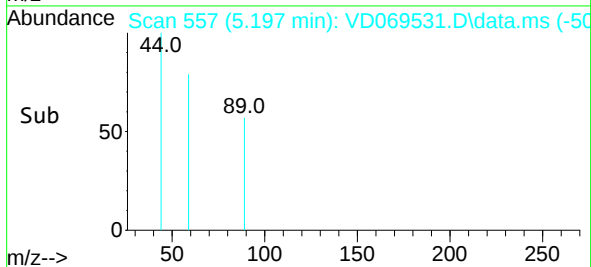
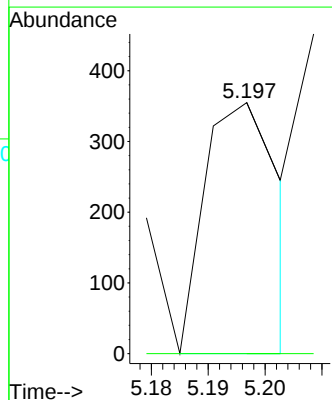
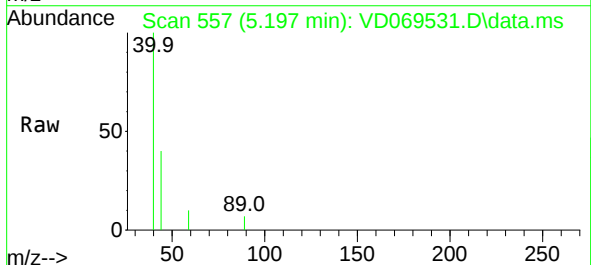
Instrument :
MSVOA_D
ClientSampleId :

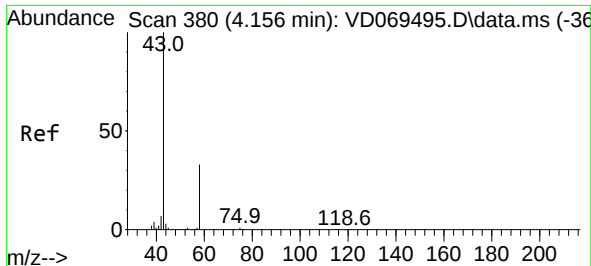
Tgt Ion:142 Resp: 539
Ion Ratio Lower Upper
142 100
127 13.0 36.5 54.7#
141 10.6 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.197 min Scan# 557
Delta R.T. -0.018 min
Lab File: VD069531.D
Acq: 22 Jun 2021 22:17

Tgt Ion: 59 Resp: 325
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

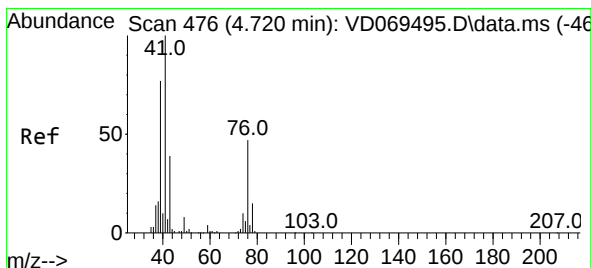
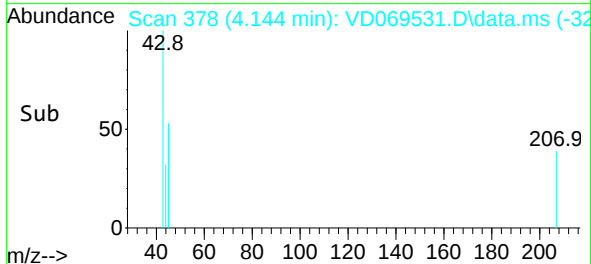
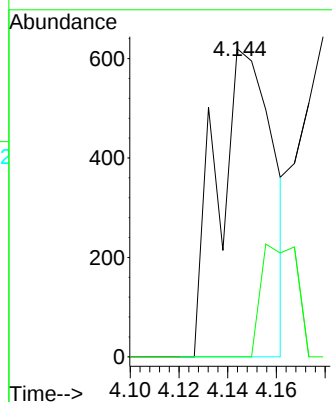
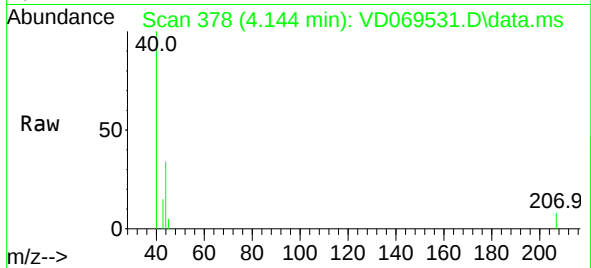




#16
Acetone
Concen: 1.182 ug/l
RT: 4.144 min Scan# 378
Delta R.T. -0.012 min
Lab File: VD069531.D
Acq: 22 Jun 2021 22:17

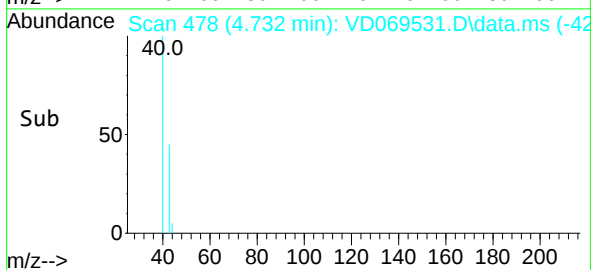
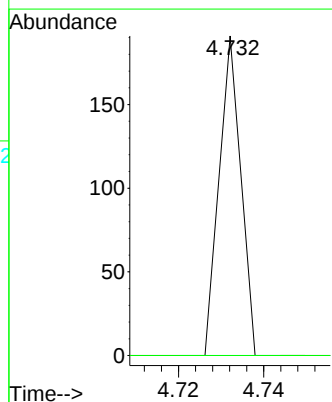
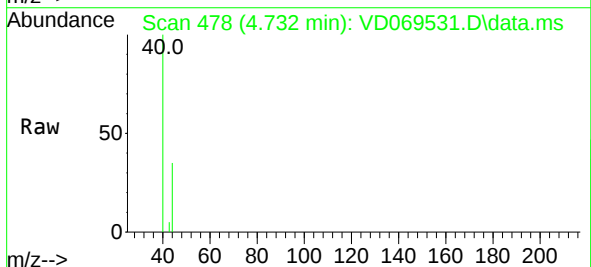
Instrument :
MSVOA_D
ClientSampled :

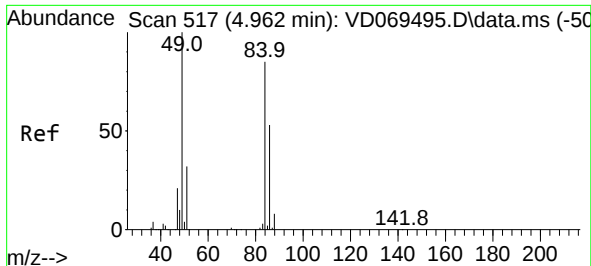
Tgt Ion: 43 Resp: 984
Ion Ratio Lower Upper
43 100
58 0.0 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.732 min Scan# 478
Delta R.T. 0.012 min
Lab File: VD069531.D
Acq: 22 Jun 2021 22:17

Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

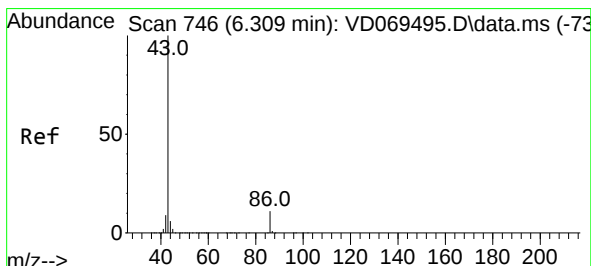
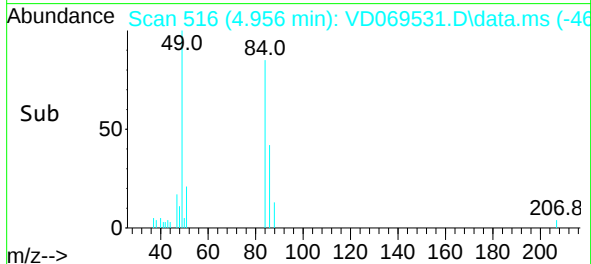
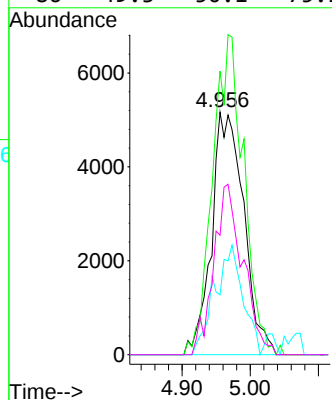
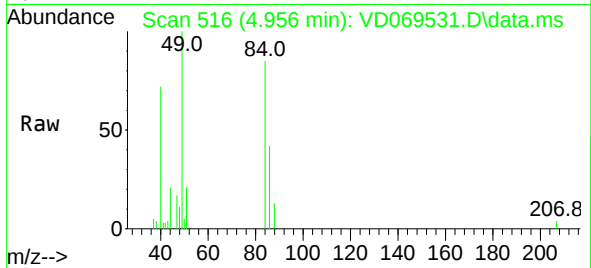




#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD069531.D
Acq: 22 Jun 2021 22:17

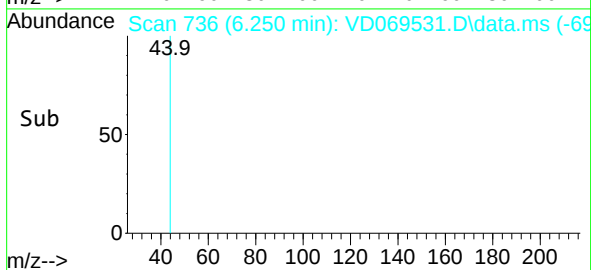
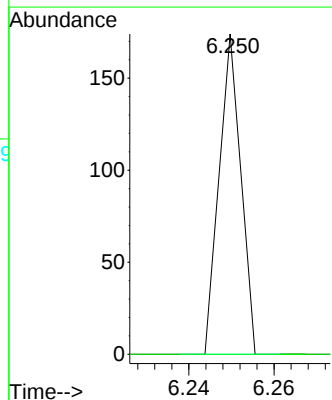
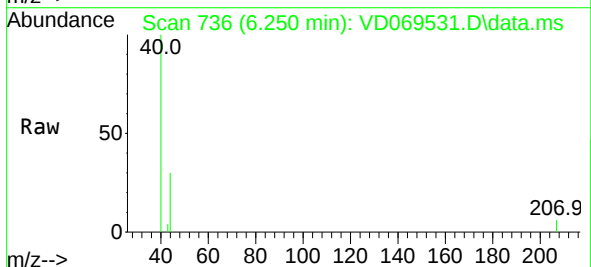
Instrument :
MSVOA_D
ClientSampleId :

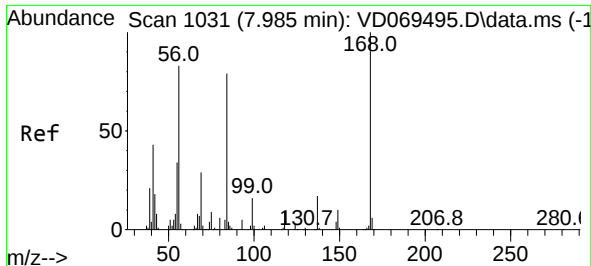
Tgt Ion:	84	Resp:	16924
Ion	Ratio	Lower	Upper
84	100		
49	117.0	94.0	141.0
51	24.7	29.7	44.5#
86	49.3	50.1	75.1#



#23
Vinyl Acetate
Concen: 19.019 ug/l
RT: 6.250 min Scan# 736
Delta R.T. -0.059 min
Lab File: VD069531.D
Acq: 22 Jun 2021 22:17

Tgt Ion:	43	Resp:	61
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#

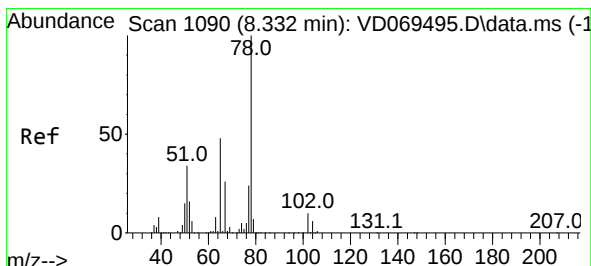
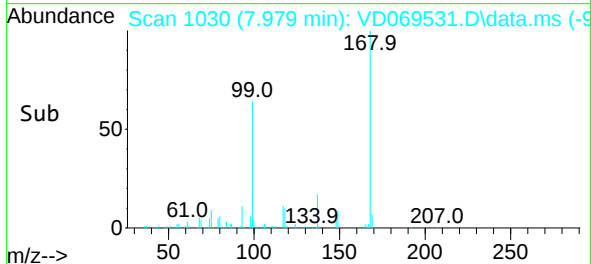
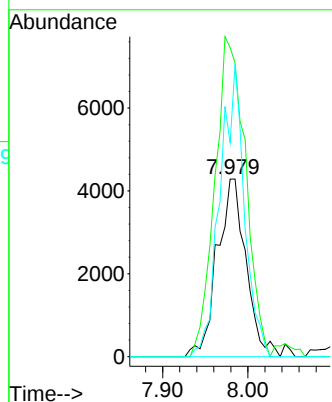
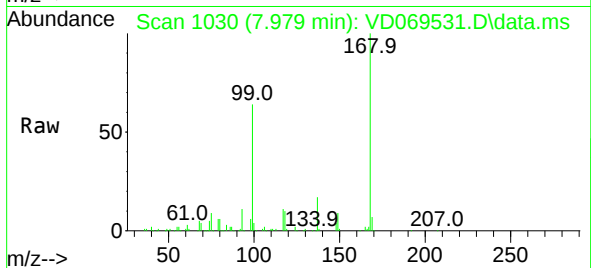




#31
Cyclohexane
Concen: 1.507 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069531.D
Acq: 22 Jun 2021 22:17

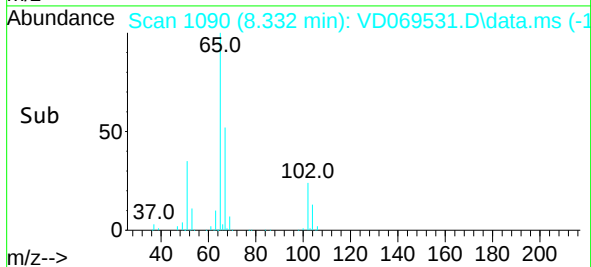
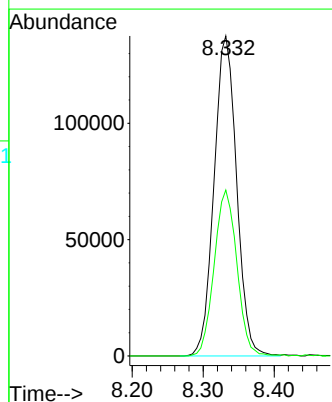
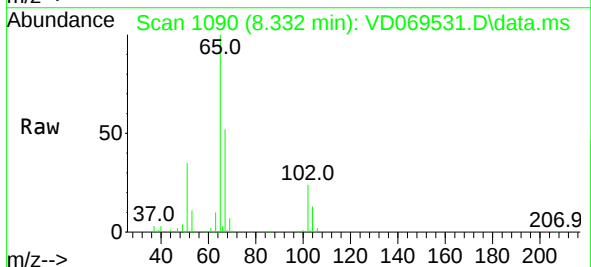
Instrument :
MSVOA_D
ClientSampleId :

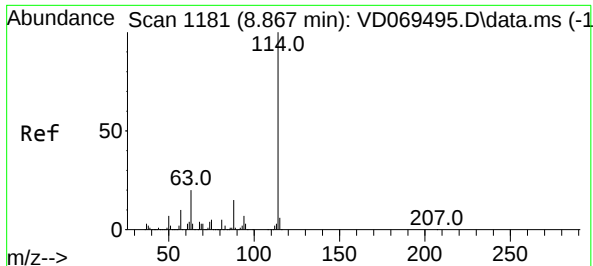
Tgt Ion: 56 Resp: 10038
Ion Ratio Lower Upper
56 100
69 174.0 28.0 42.0#
84 120.6 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 61.271 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069531.D
Acq: 22 Jun 2021 22:17

Tgt Ion: 65 Resp: 303037
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.6

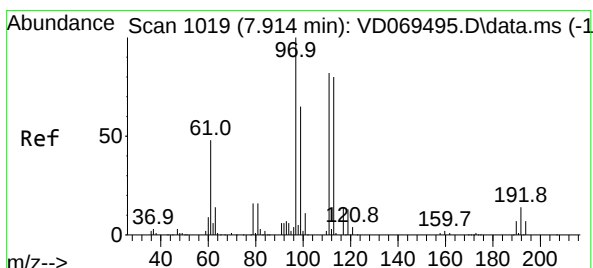
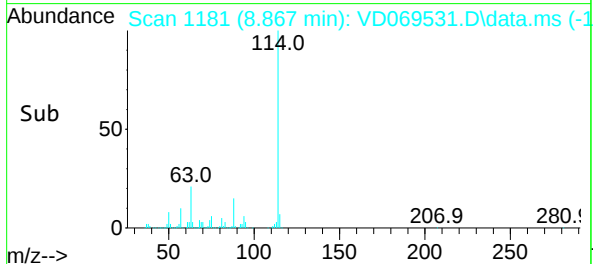
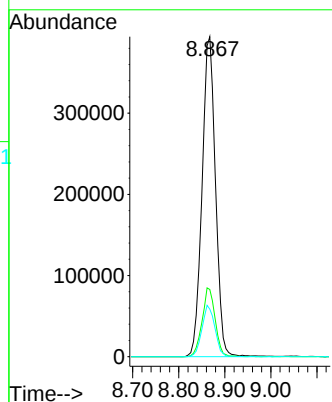
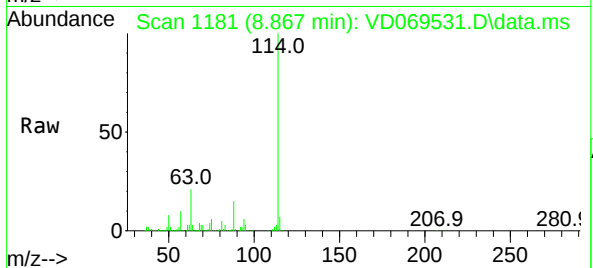




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069531.D
Acq: 22 Jun 2021 22:17

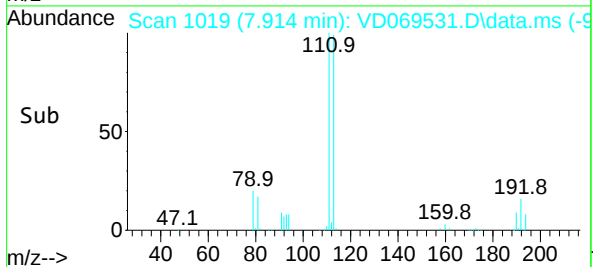
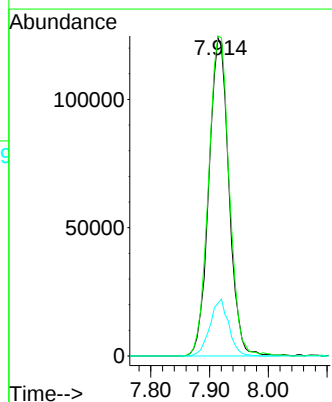
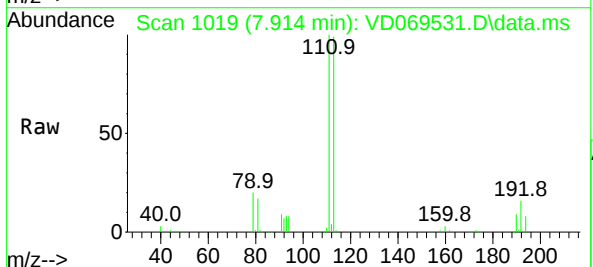
Instrument :
MSVOA_D
ClientSampleId :

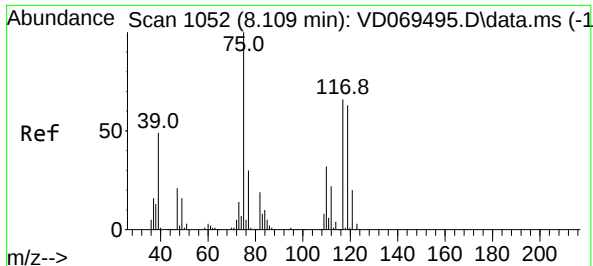
Tgt Ion:114 Resp: 802999
Ion Ratio Lower Upper
114 100
63 21.0 0.0 39.6
88 14.9 0.0 29.8



#35
Dibromofluoromethane
Concen: 54.066 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069531.D
Acq: 22 Jun 2021 22:17

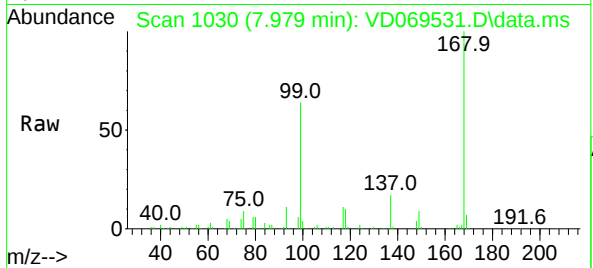
Tgt Ion:113 Resp: 293477
Ion Ratio Lower Upper
113 100
111 104.6 81.8 122.8
192 16.7 13.8 20.6



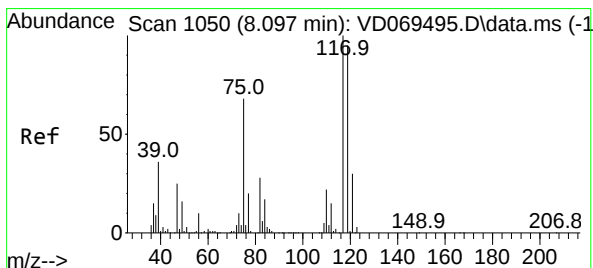
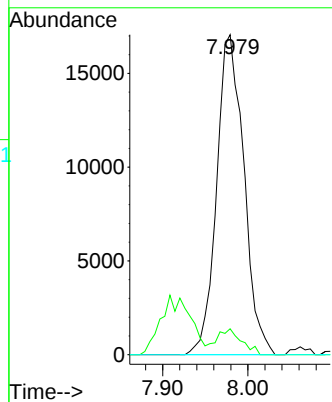
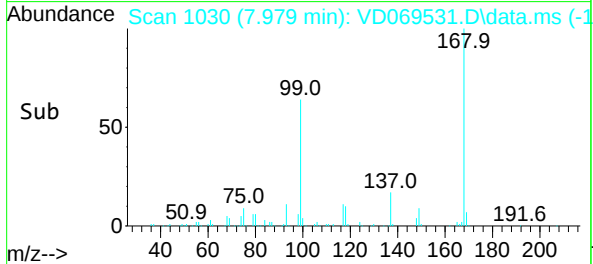


#36
1,1-Dichloropropene
Concen: 4.804 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069531.D
Acq: 22 Jun 2021 22:17

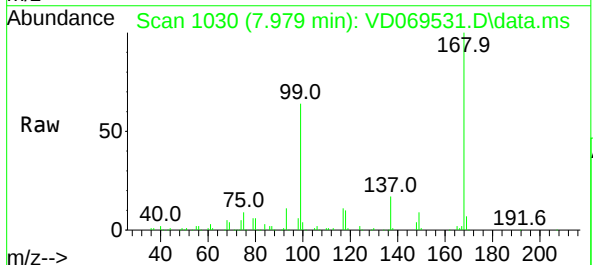
Instrument :
MSVOA_D
ClientSampled :



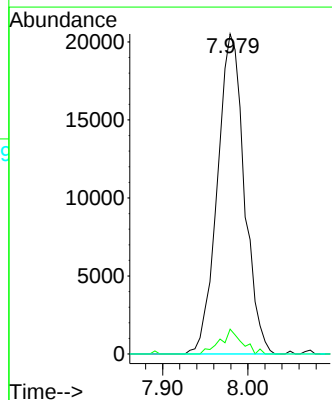
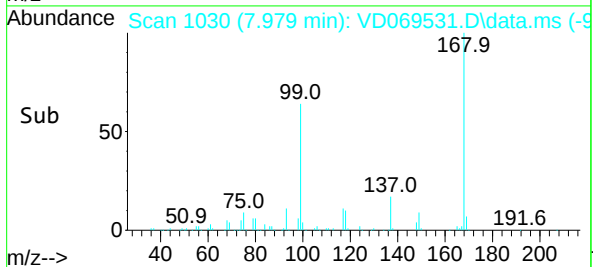
Tgt Ion: 75 Resp: 37862
Ion Ratio Lower Upper
75 100
110 7.0 16.8 50.4#
77 0.0 24.3 36.5#

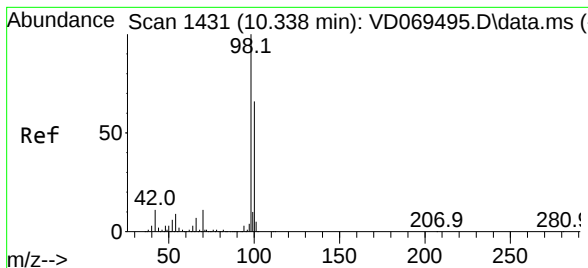


#38
Carbon Tetrachloride
Concen: 5.784 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069531.D
Acq: 22 Jun 2021 22:17



Tgt Ion: 117 Resp: 45114
Ion Ratio Lower Upper
117 100
119 7.8 75.6 113.4#
121 0.0 23.8 35.8#

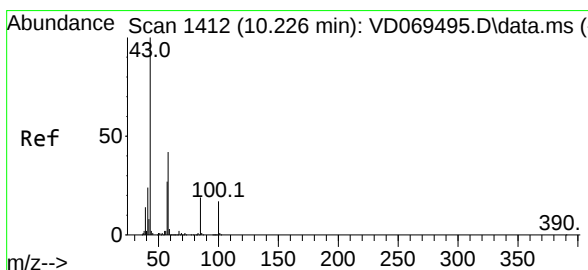
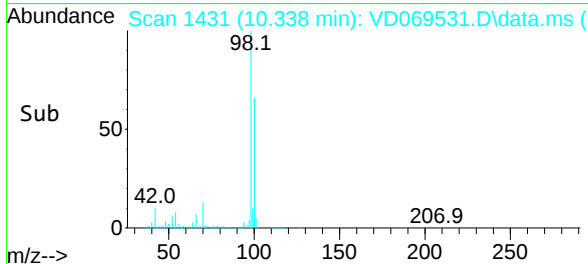
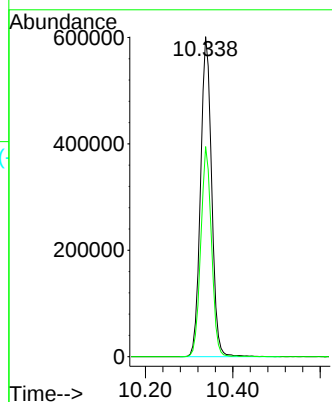
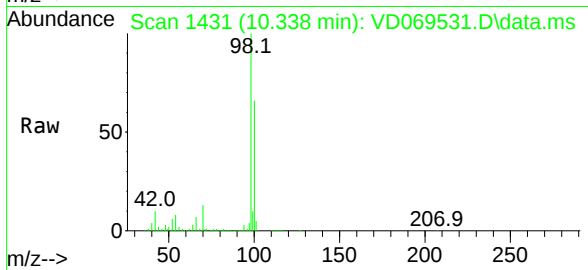




#50
Toluene-d8
Concen: 52.080 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069531.D
Acq: 22 Jun 2021 22:17

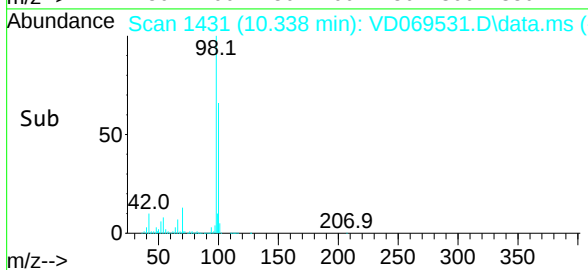
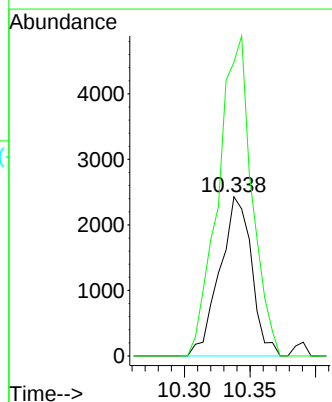
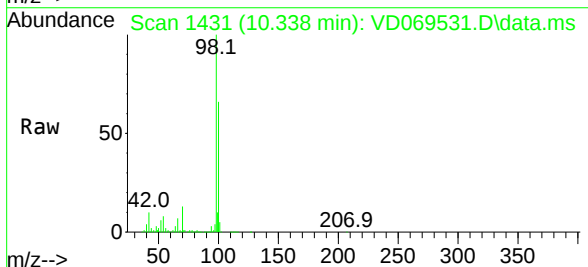
Instrument :
MSVOA_D
ClientSampled :

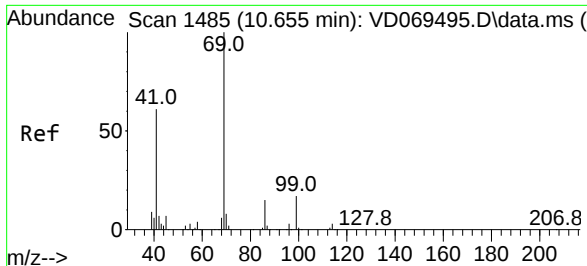
Tgt Ion: 98 Resp: 1060385
Ion Ratio Lower Upper
98 100
100 63.5 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.467 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD069531.D
Acq: 22 Jun 2021 22:17

Tgt Ion: 43 Resp: 4098
Ion Ratio Lower Upper
43 100
58 213.2 33.6 50.4#

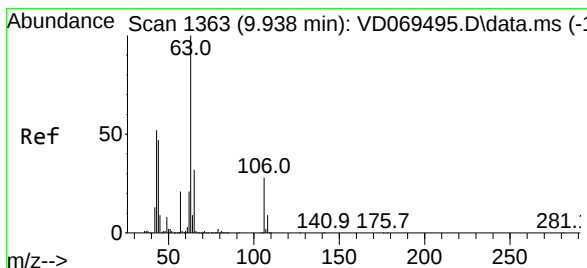
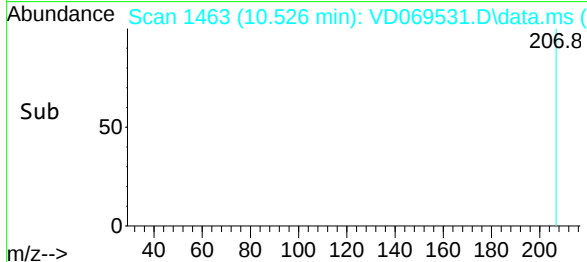
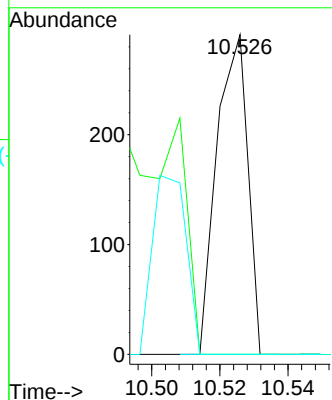
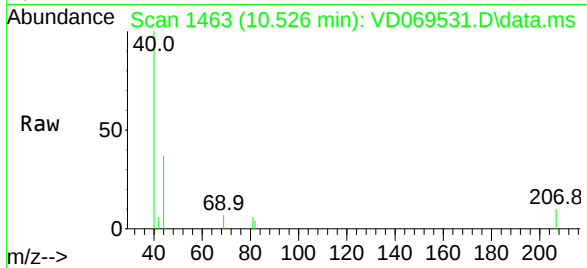




#56
Ethyl methacrylate
Concen: 2.615 ug/l
RT: 10.526 min Scan# 1463
Delta R.T. -0.129 min
Lab File: VD069531.D
Acq: 22 Jun 2021 22:17

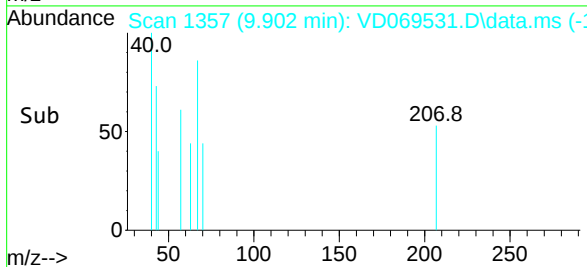
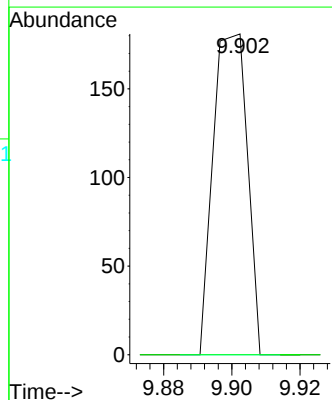
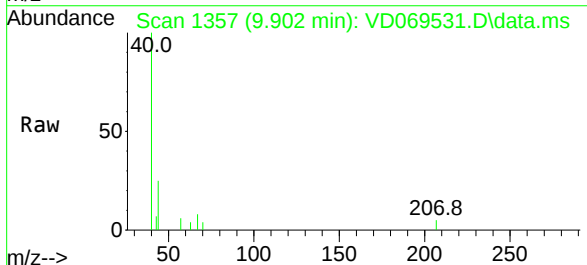
Instrument :
MSVOA_D
ClientSampleId :

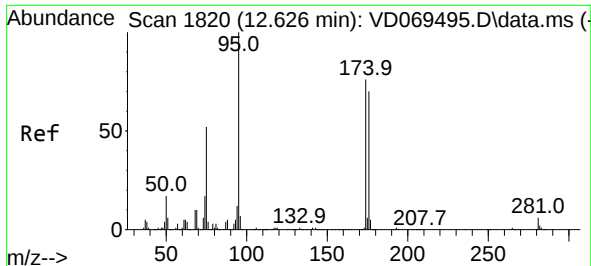
Tgt Ion: 69 Resp: 183
Ion Ratio Lower Upper
69 100
41 0.0 49.4 74.0#
39 0.0 26.9 40.3#



#58
2-Chloroethyl Vinyl ether
Concen: 10.646 ug/l
RT: 9.902 min Scan# 1357
Delta R.T. -0.036 min
Lab File: VD069531.D
Acq: 22 Jun 2021 22:17

Tgt Ion: 63 Resp: 126
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#

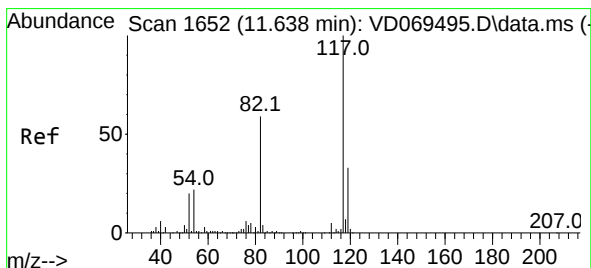
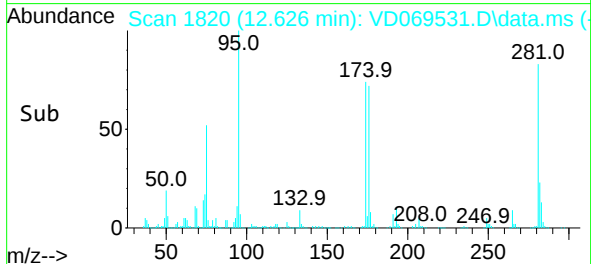
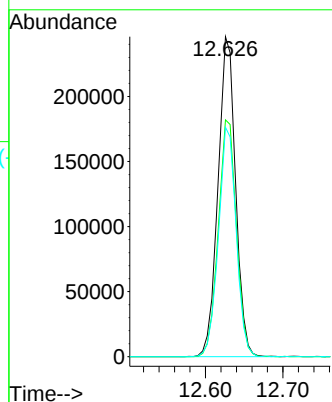
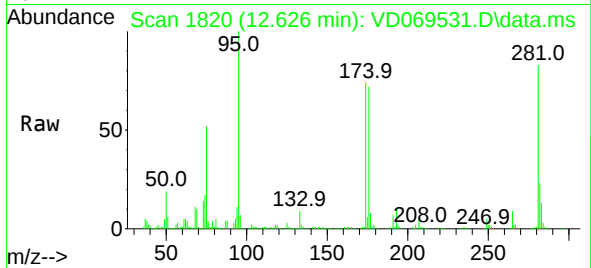




#62
4-Bromofluorobenzene
Concen: 58.023 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069531.D
Acq: 22 Jun 2021 22:17

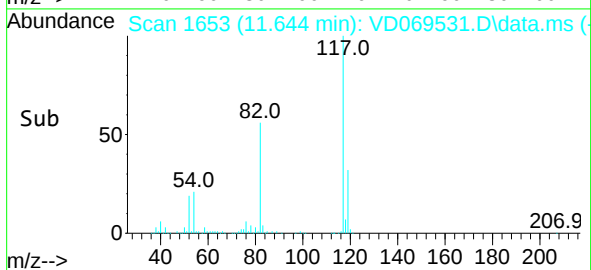
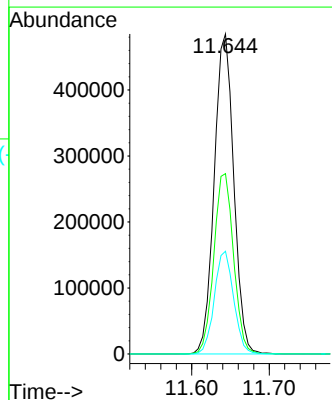
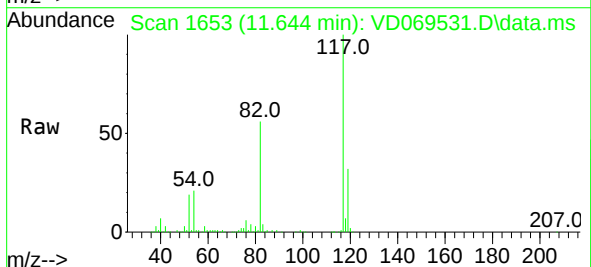
Instrument :
MSVOA_D
ClientSampleId :

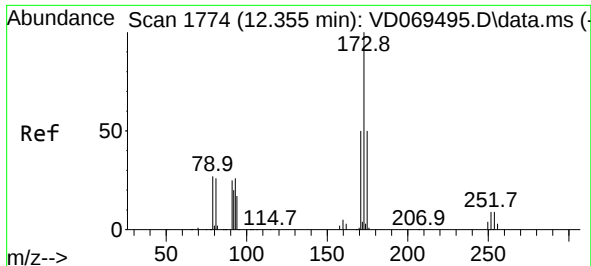
Tgt Ion: 95 Resp: 388384
Ion Ratio Lower Upper
95 100
174 76.3 0.0 148.0
176 72.2 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069531.D
Acq: 22 Jun 2021 22:17

Tgt Ion: 117 Resp: 851852
Ion Ratio Lower Upper
117 100
82 56.3 46.8 70.2
119 32.1 26.2 39.2

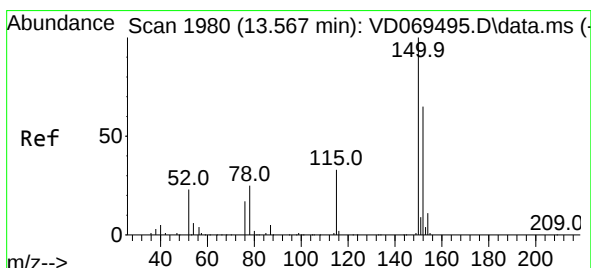
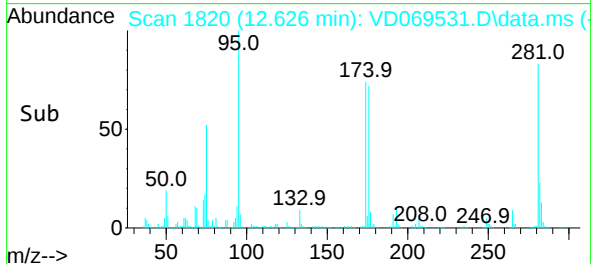
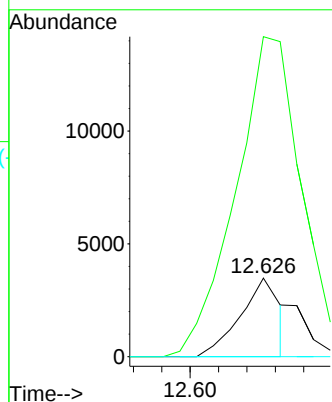
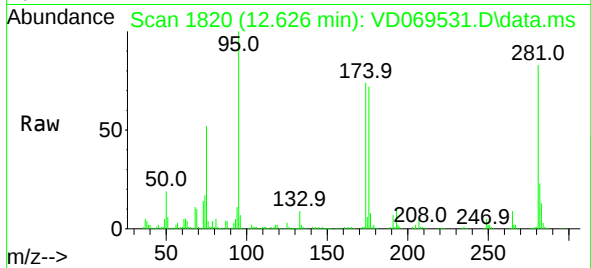




#71
Bromoform
Concen: 1.089 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.270 min
Lab File: VD069531.D
Acq: 22 Jun 2021 22:17

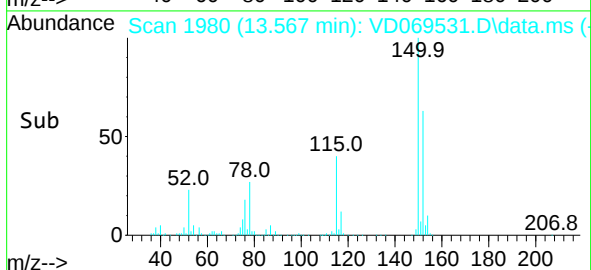
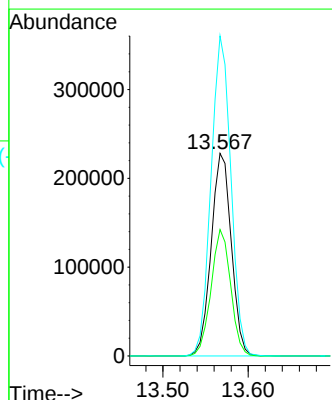
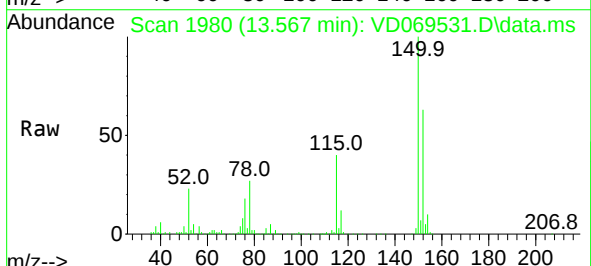
Instrument :
MSVOA_D
ClientSampleId :

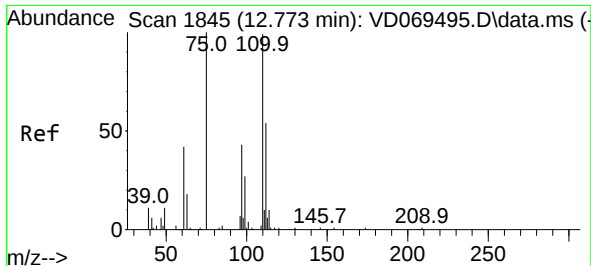
Tgt Ion:173 Resp: 3400
Ion Ratio Lower Upper
173 100
175 508.2 24.6 73.8#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069531.D
Acq: 22 Jun 2021 22:17

Tgt Ion:152 Resp: 374473
Ion Ratio Lower Upper
152 100
115 60.6 31.7 95.1
150 155.8 0.0 350.8

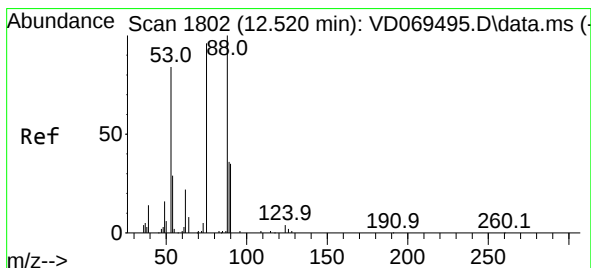
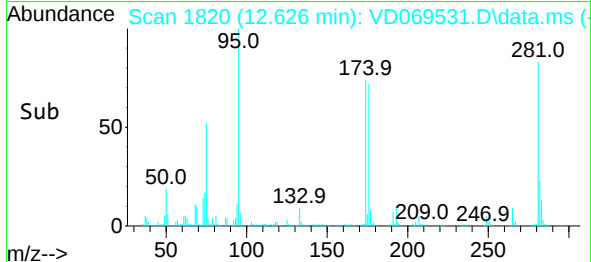
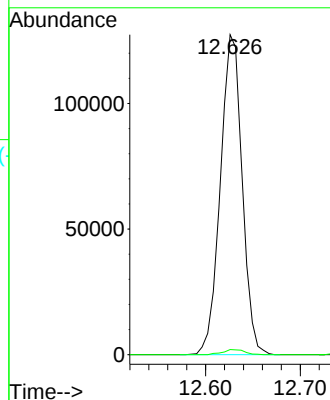
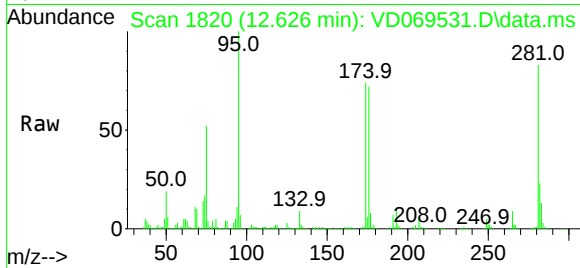




#76
1,2,3-Trichloropropane
Concen: 55.440 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069531.D
Acq: 22 Jun 2021 22:17

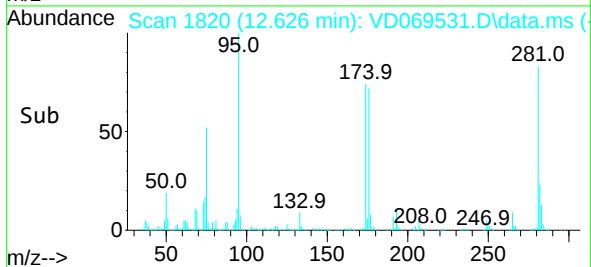
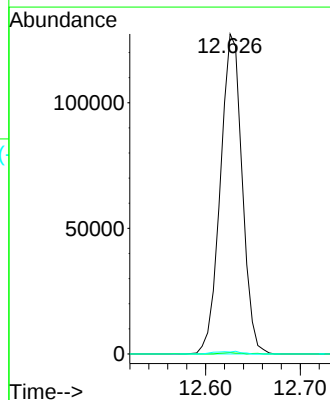
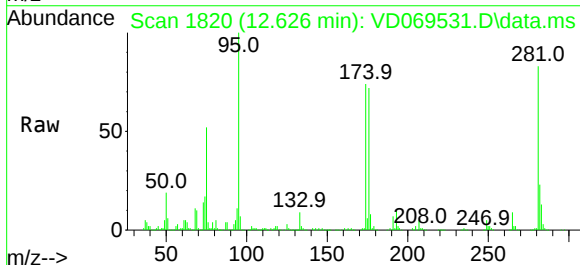
Instrument :
MSVOA_D
ClientSampleId :

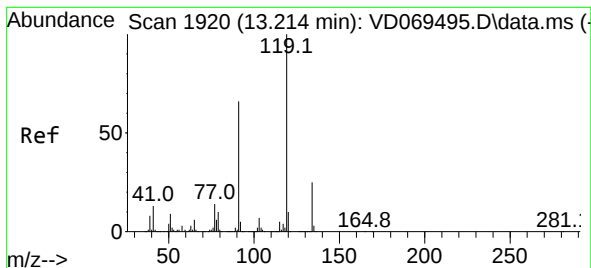
Tgt Ion: 75 Resp: 203794
Ion Ratio Lower Upper
75 100
77 1.6 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 138.426 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069531.D
Acq: 22 Jun 2021 22:17

Tgt Ion: 75 Resp: 203794
Ion Ratio Lower Upper
75 100
53 0.3 74.6 112.0#
89 0.9 35.3 52.9#

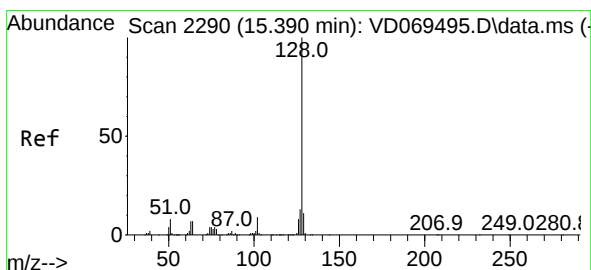
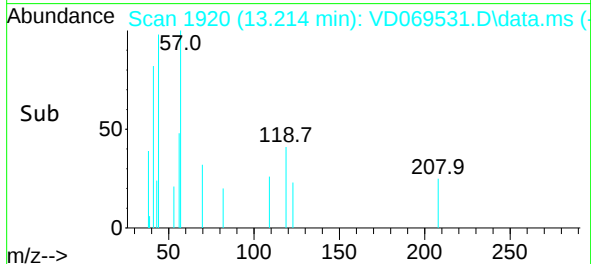
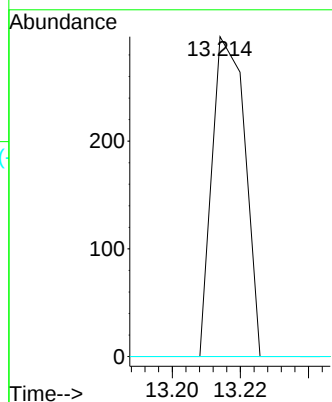
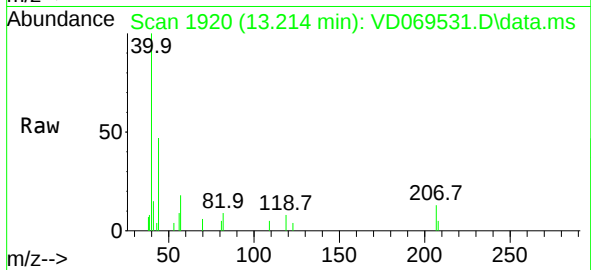




#83
tert-Butylbenzene
Concen: 2.002 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. 0.000 min
Lab File: VD069531.D
Acq: 22 Jun 2021 22:17

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:119 Resp: 198
Ion Ratio Lower Upper
119 100
91 0.0 32.5 97.4#
134 0.0 12.9 38.7#



#95
Naphthalene
Concen: 3.373 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.017 min
Lab File: VD069531.D
Acq: 22 Jun 2021 22:17

Tgt Ion:128 Resp: 232
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

