

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062321\
 Data File : VD069545.D
 Acq On : 23 Jun 2021 15:17
 Operator : VA/SY
 Sample : M2824-01
 Misc : 9.54G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 24 06:09:11 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)

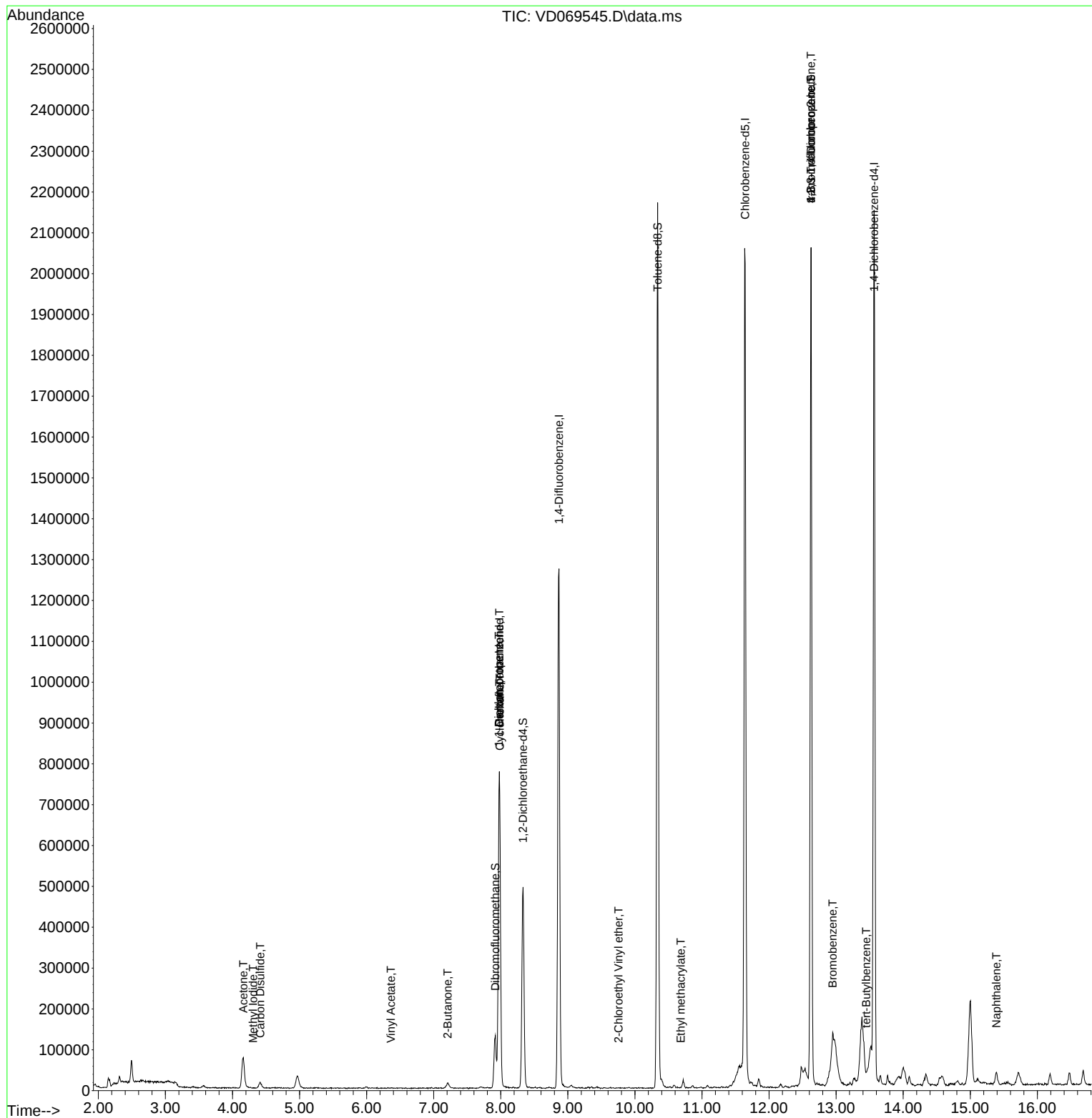
Internal Standards						
1) Pentafluorobenzene	7.979	168	539488	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1078025	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	1173290	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	561508	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	401392	59.690	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.380%			
35) Dibromofluoromethane	7.920	113	95817	13.149	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 26.300%#			
50) Toluene-d8	10.338	98	1422328	52.035	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.080%			
62) 4-Bromofluorobenzene	12.626	95	564500	62.819	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 125.640%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.762	94	162	Below Cal	#	3
10) Methyl Iodide	4.309	142	65	3.951	ug/l #	39
11) Tert butyl alcohol	5.226	59	950	Below Cal		97
16) Acetone	4.162	43	134290	118.645	ug/l	95
17) Carbon Disulfide	4.415	76	27895	1.590	ug/l	99
18) Methyl Acetate	4.732	43	281	Below Cal	#	49
20) Methylene Chloride	4.973	84	23032	Below Cal	#	90
23) Vinyl Acetate	6.361	43	74	19.018	ug/l #	70
25) 2-Butanone	7.208	43	14834	10.314	ug/l #	80
31) Cyclohexane	7.985	56	14490	1.600	ug/l #	39
36) 1,1-Dichloropropene	7.973	75	52179	4.932	ug/l #	50
38) Carbon Tetrachloride	7.979	117	59552	5.687	ug/l #	17
56) Ethyl methacrylate	10.685	69	388	2.635	ug/l #	69
58) 2-Chloroethyl Vinyl ether	9.755	63	55	10.615	ug/l #	47
76) 1,2,3-Trichloropropane	12.626	75	300770	54.567	ug/l #	1
77) Bromobenzene	12.949	156	82820	9.427	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	300770	136.247	ug/l #	13
83) tert-Butylbenzene	13.449	119	1012	2.026	ug/l	90
95) Naphthalene	15.390	128	20028	4.423	ug/l #	97

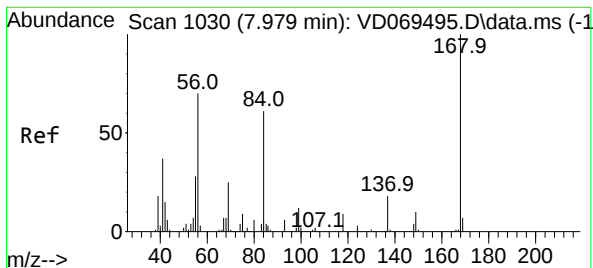
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 22 04:33:24 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

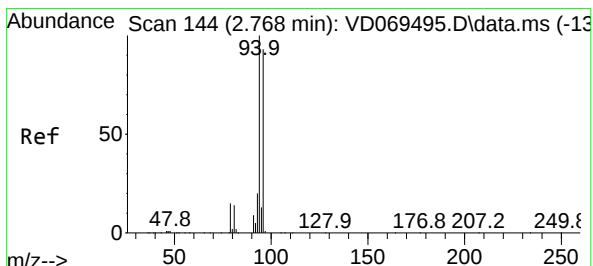
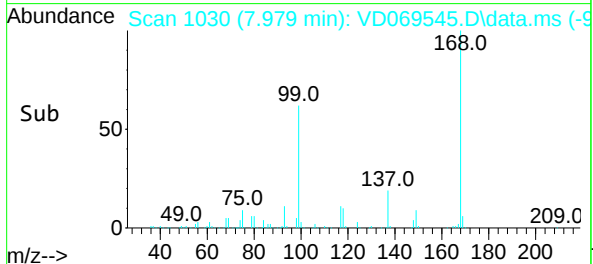
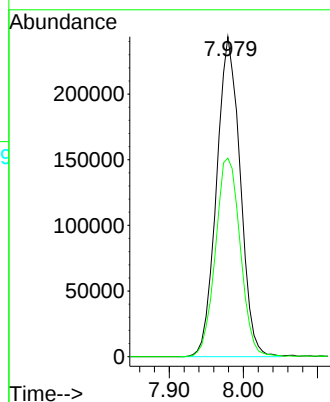
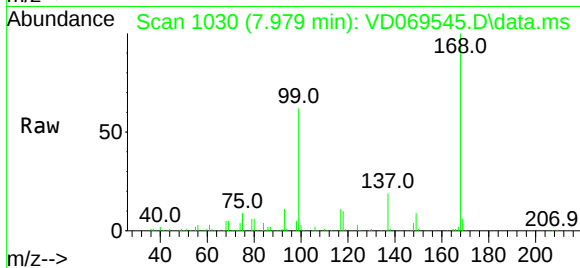
Lab File: VD069545.D

Acq: 23 Jun 2021 15:17

Tgt Ion:168 Resp: 539488

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
168	100		
99	62.1	49.3	73.9



#5

Bromomethane

Concen: Below Cal

RT: 2.762 min Scan# 143

Delta R.T. -0.006 min

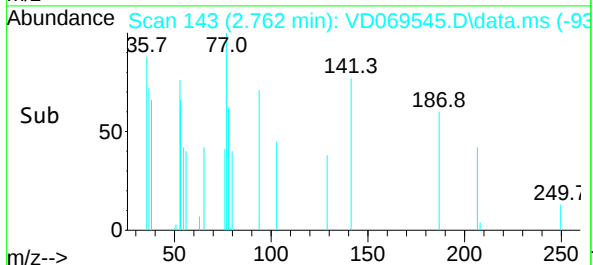
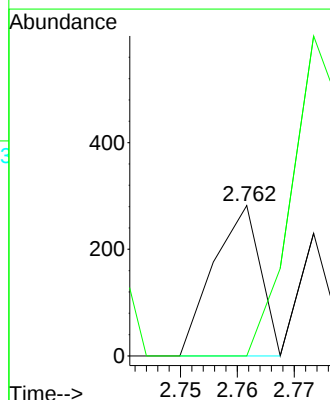
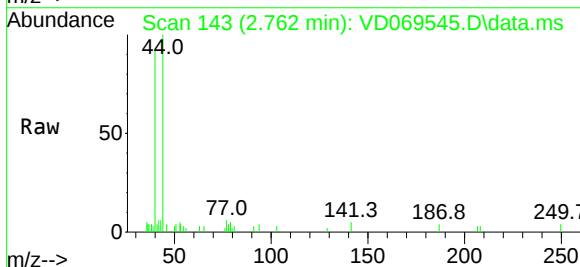
Lab File: VD069545.D

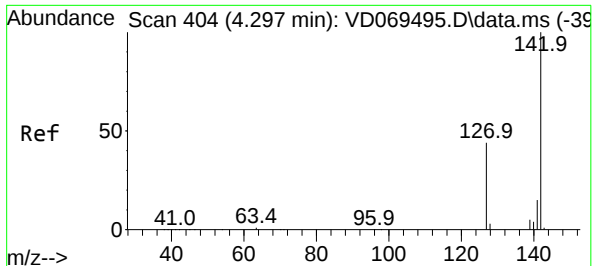
Acq: 23 Jun 2021 15:17

Tgt Ion: 94 Resp: 162

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
94	100		
96	0.0	74.6	111.8

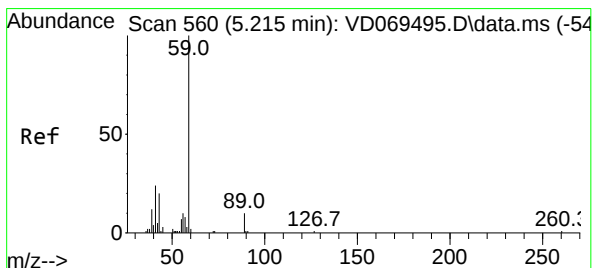
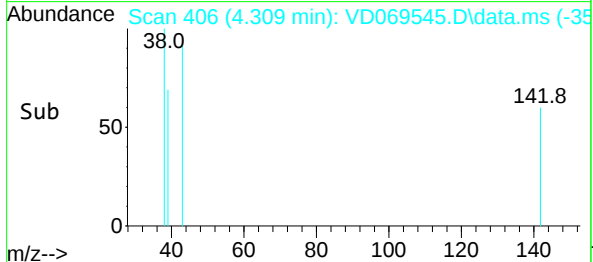
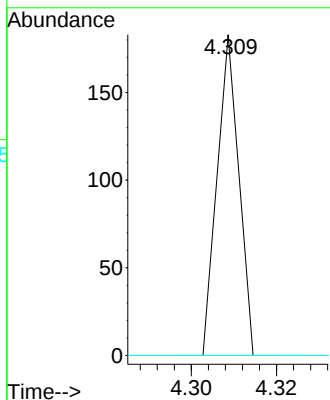
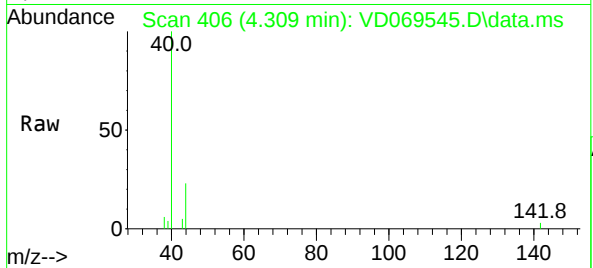




#10
Methyl Iodide
Concen: 3.951 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD069545.D
Acq: 23 Jun 2021 15:17

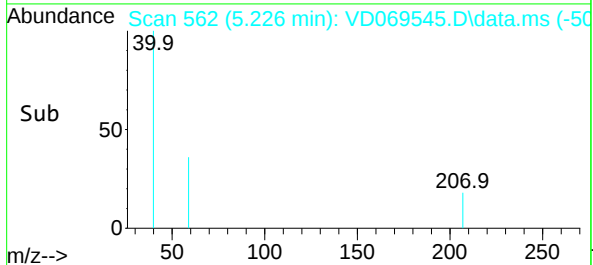
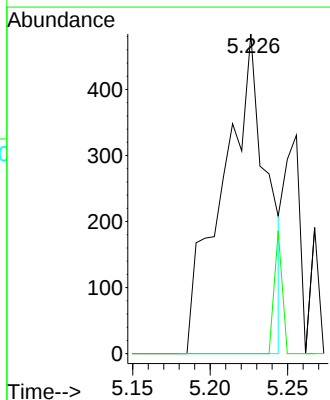
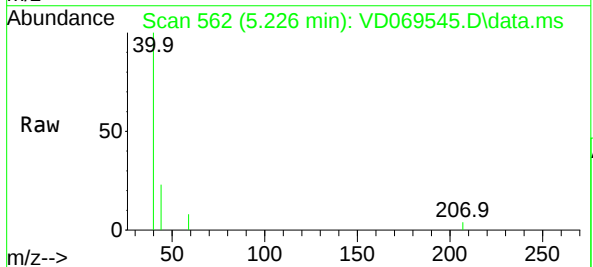
Instrument :
MSVOA_D
ClientSampled :

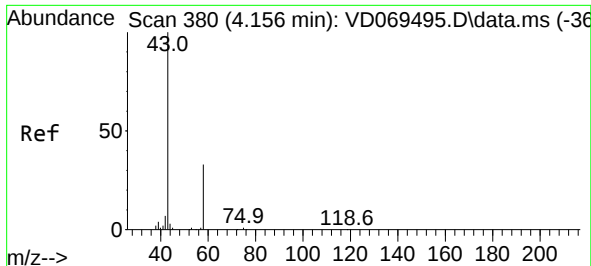
Tgt Ion:142 Resp: 65
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.226 min Scan# 562
Delta R.T. 0.011 min
Lab File: VD069545.D
Acq: 23 Jun 2021 15:17

Tgt Ion: 59 Resp: 950
Ion Ratio Lower Upper
59 100
57 6.9 4.6 7.0

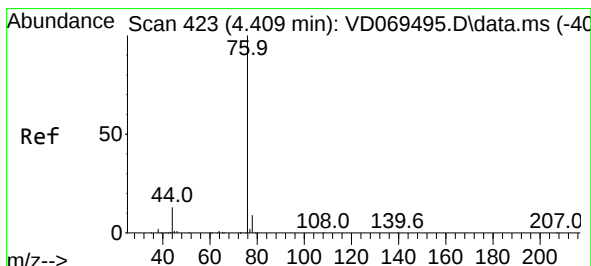
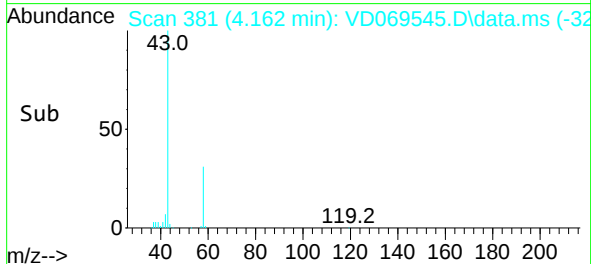
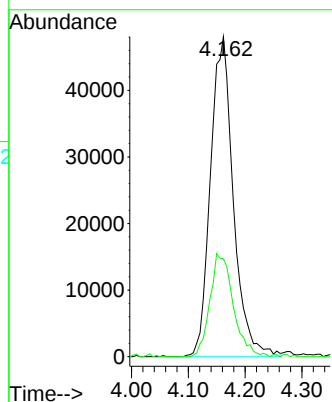
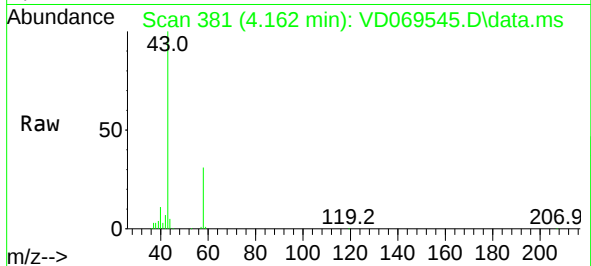




#16
Acetone
Concen: 118.645 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069545.D
Acq: 23 Jun 2021 15:17

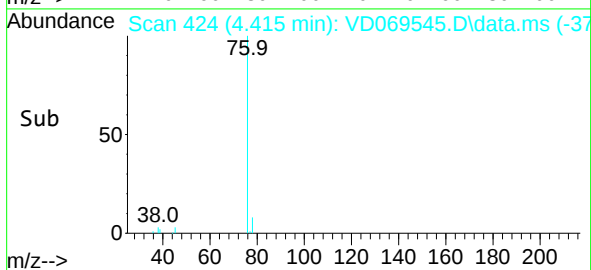
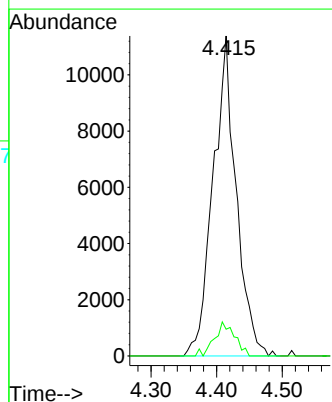
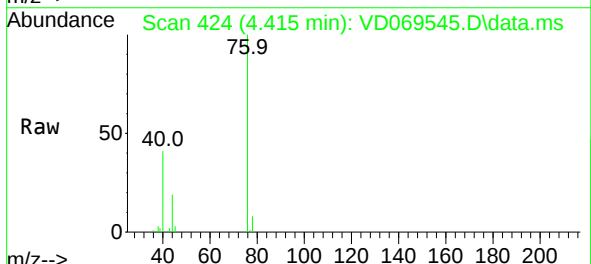
Instrument :
MSVOA_D
ClientSampled :

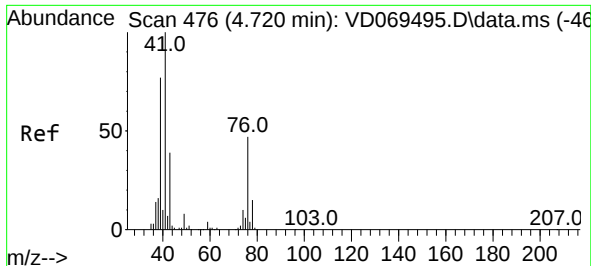
Tgt Ion: 43 Resp: 134290
Ion Ratio Lower Upper
43 100
58 30.6 26.8 40.2



#17
Carbon Disulfide
Concen: 1.590 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD069545.D
Acq: 23 Jun 2021 15:17

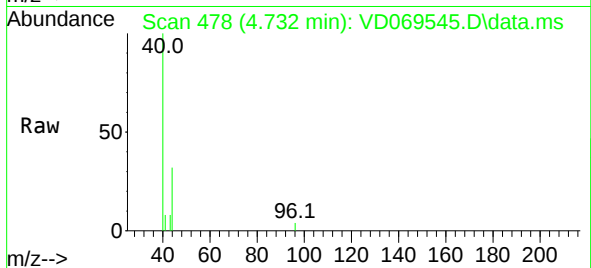
Tgt Ion: 76 Resp: 27895
Ion Ratio Lower Upper
76 100
78 8.3 7.0 10.4



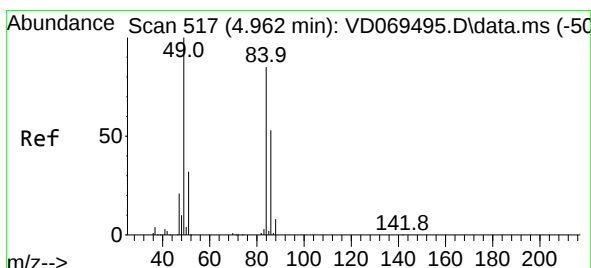
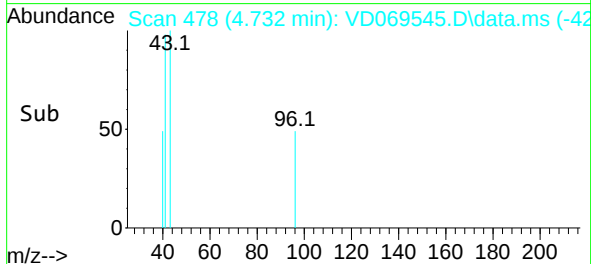
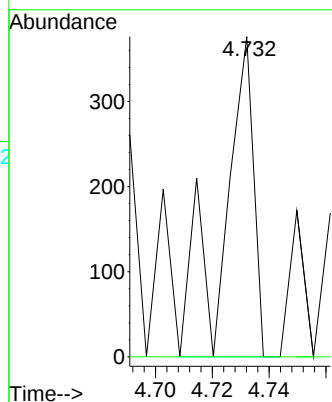


#18
Methyl Acetate
Concen: Below Cal
RT: 4.732 min Scan# 478
Delta R.T. 0.012 min
Lab File: VD069545.D
Acq: 23 Jun 2021 15:17

Instrument :
MSVOA_D
ClientSampleId :

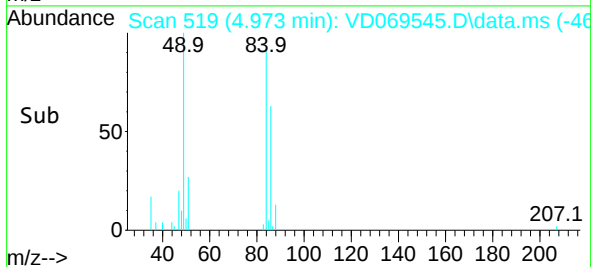
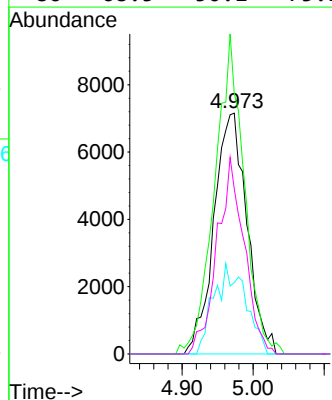
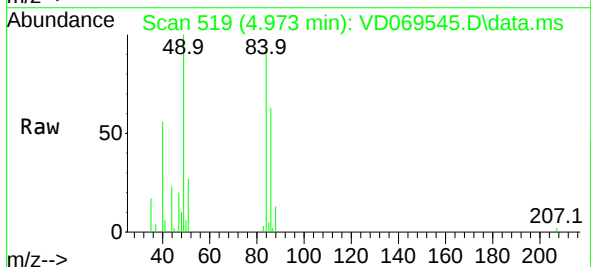


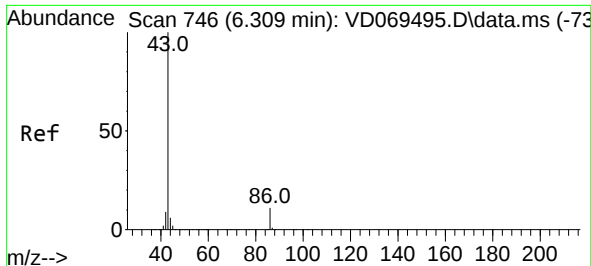
Tgt Ion: 43 Resp: 281
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD069545.D
Acq: 23 Jun 2021 15:17

Tgt Ion: 84 Resp: 23032
Ion Ratio Lower Upper
84 100
49 105.2 94.0 141.0
51 29.6 29.7 44.5#
86 68.5 50.1 75.1

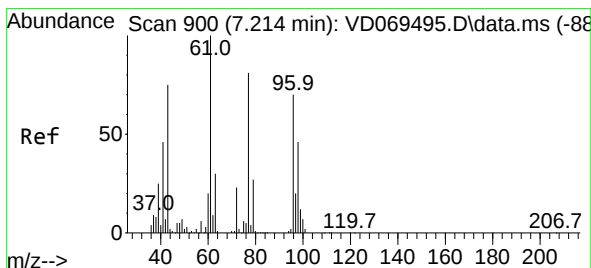
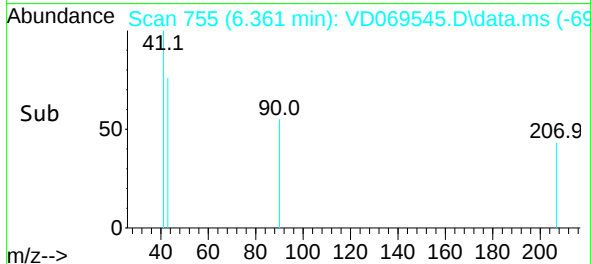
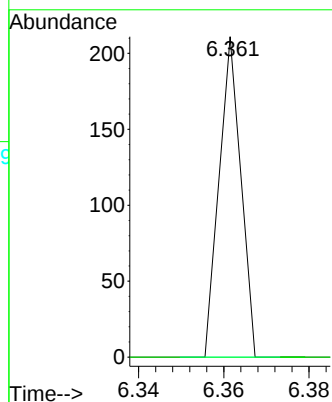
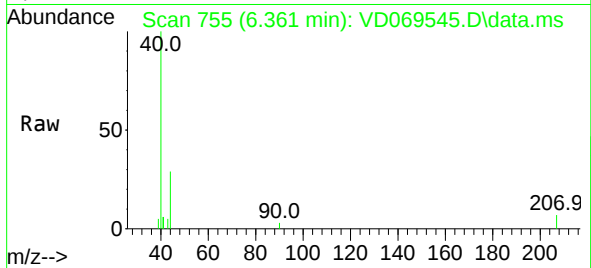




#23
 Vinyl Acetate
 Concen: 19.018 ug/l
 RT: 6.361 min Scan# 755
 Delta R.T. 0.052 min
 Lab File: VD069545.D
 Acq: 23 Jun 2021 15:17

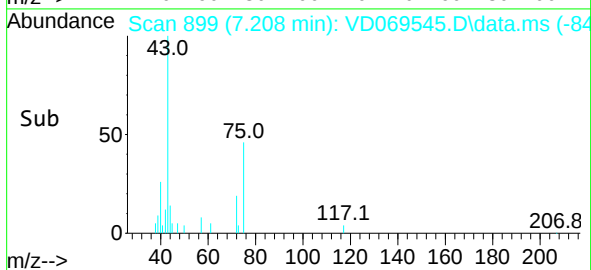
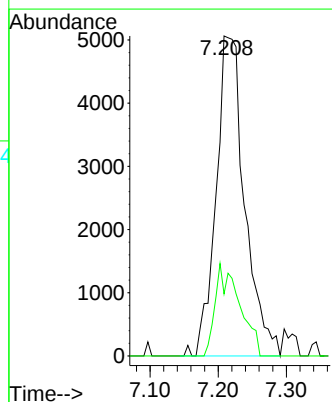
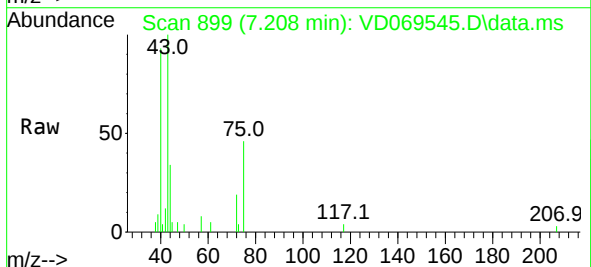
Instrument :
 MSVOA_D
 ClientSampled :

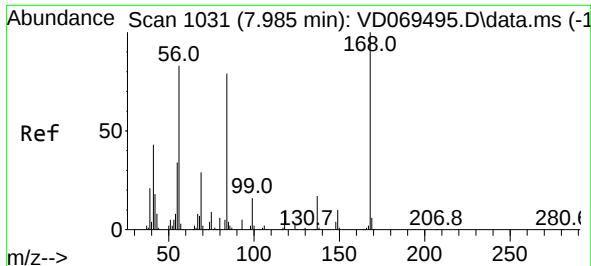
Tgt Ion: 43 Resp: 74
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#25
 2-Butanone
 Concen: 10.314 ug/l
 RT: 7.208 min Scan# 899
 Delta R.T. -0.006 min
 Lab File: VD069545.D
 Acq: 23 Jun 2021 15:17

Tgt Ion: 43 Resp: 14834
 Ion Ratio Lower Upper
 43 100
 72 19.4 24.3 36.5#

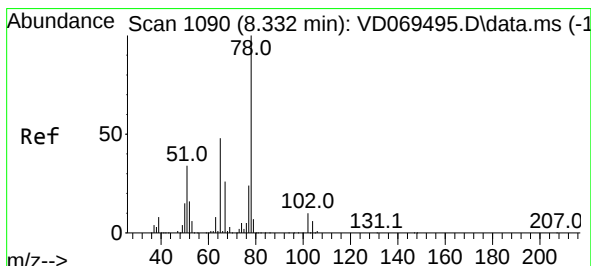
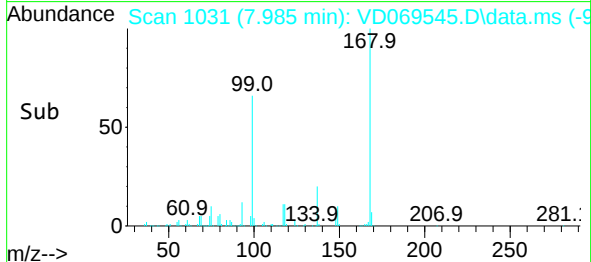
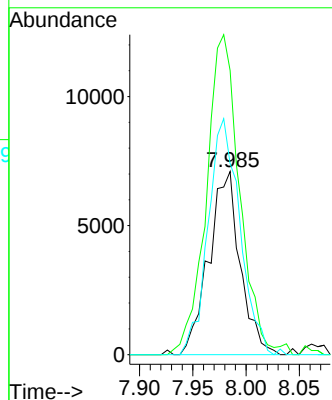
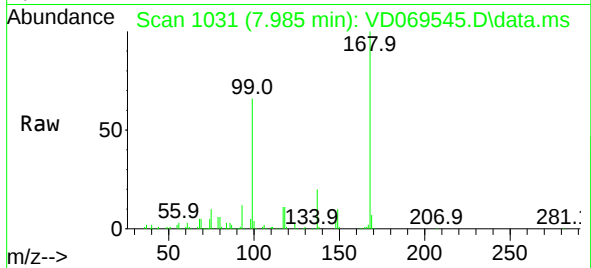




#31
Cyclohexane
Concen: 1.600 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069545.D
Acq: 23 Jun 2021 15:17

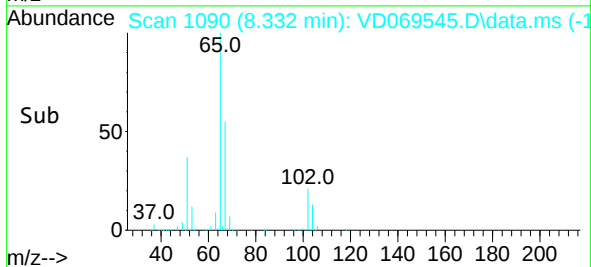
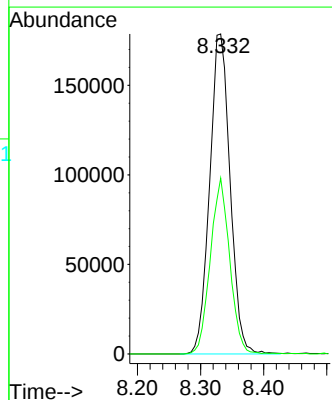
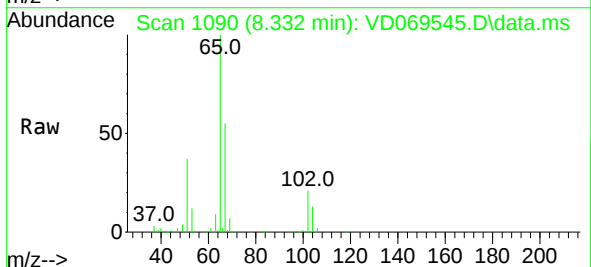
Instrument :
MSVOA_D
ClientSampleId :

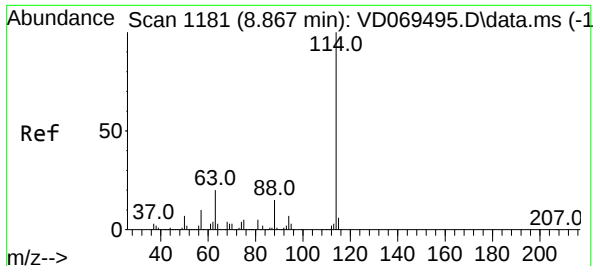
Tgt Ion: 56 Resp: 14490
Ion Ratio Lower Upper
56 100
69 150.7 28.0 42.0#
84 104.3 75.7 113.5



#33
1,2-Dichloroethane-d4
Concen: 59.690 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069545.D
Acq: 23 Jun 2021 15:17

Tgt Ion: 65 Resp: 401392
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.6



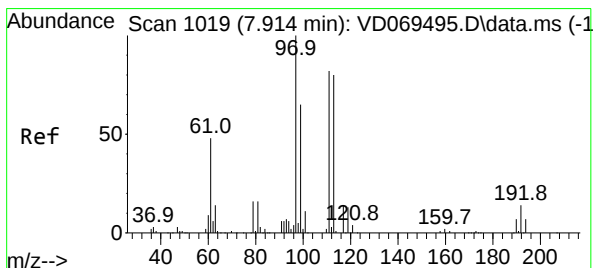
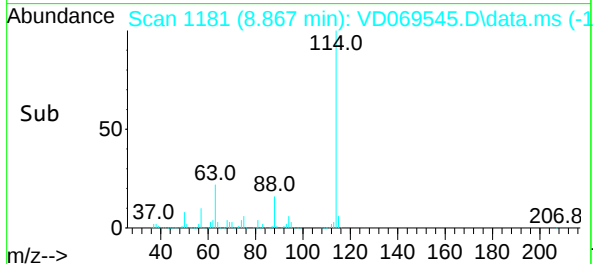
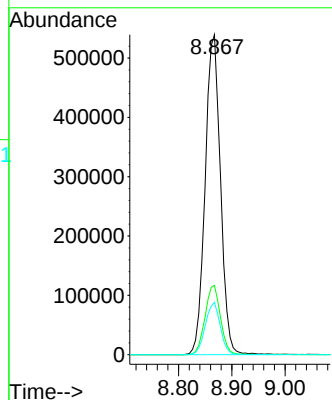
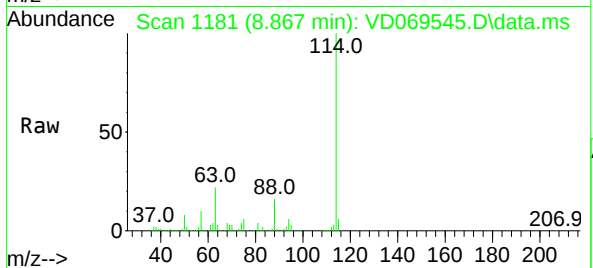


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069545.D
Acq: 23 Jun 2021 15:17

Instrument :
MSVOA_D
ClientSampled :

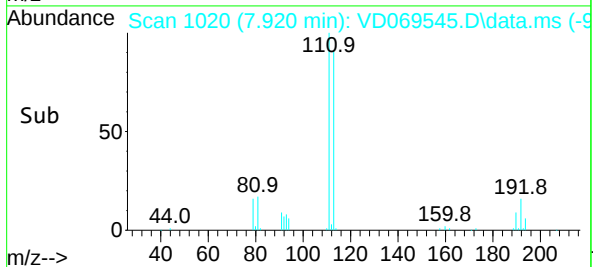
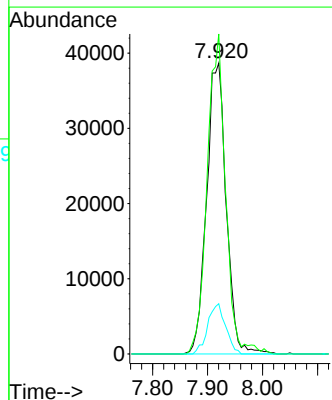
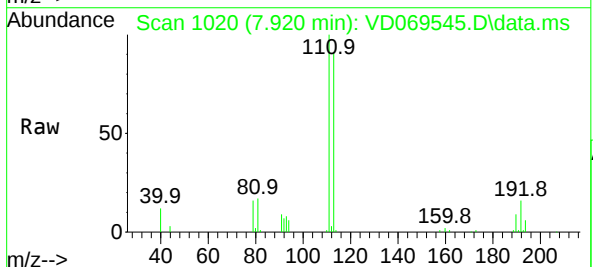
Tgt Ion:114 Resp: 1078025
Ion Ratio Lower Upper
114 100
63 21.7 0.0 39.6
88 16.4 0.0 29.8

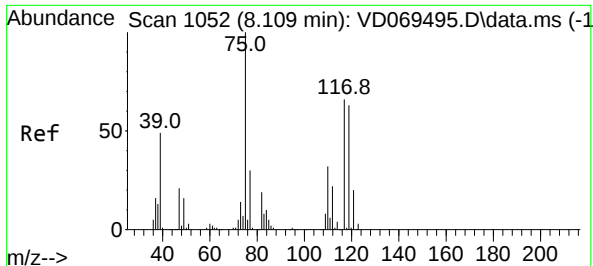


#35

Dibromofluoromethane
Concen: 13.149 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VD069545.D
Acq: 23 Jun 2021 15:17

Tgt Ion:113 Resp: 95817
Ion Ratio Lower Upper
113 100
111 103.3 81.8 122.8
192 15.8 13.8 20.6

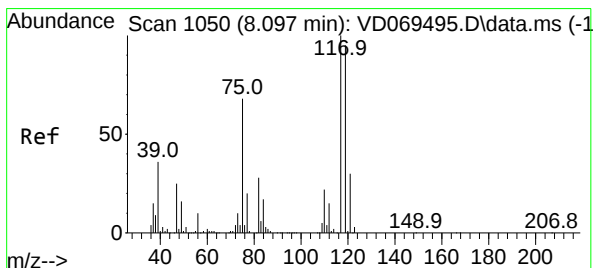
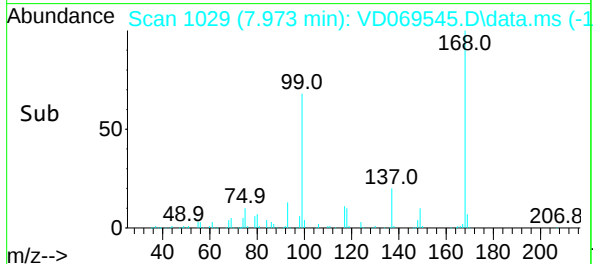
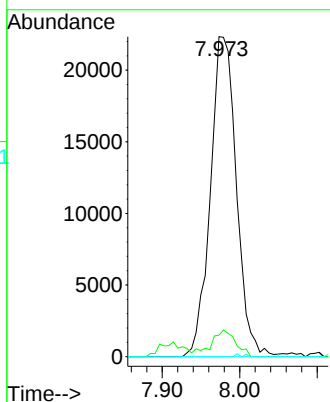
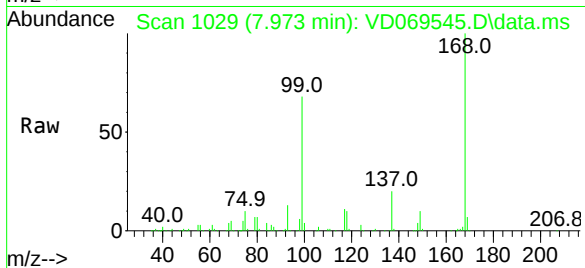




#36
1,1-Dichloropropene
Concen: 4.932 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069545.D
Acq: 23 Jun 2021 15:17

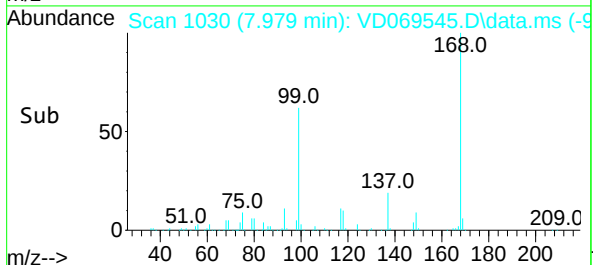
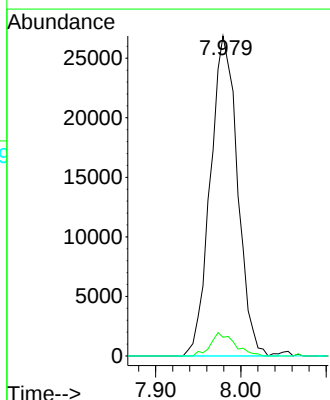
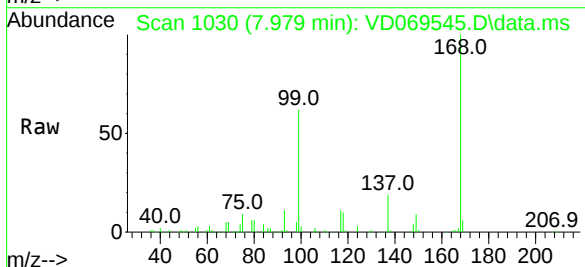
Instrument :
MSVOA_D
ClientSampleId :

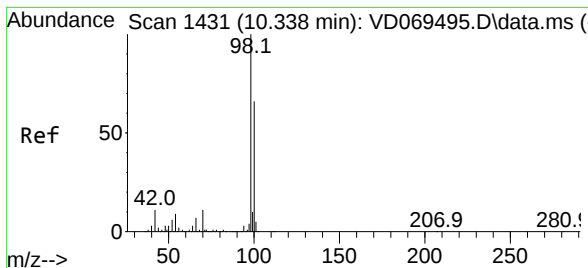
Tgt Ion: 75 Resp: 52179
Ion Ratio Lower Upper
75 100
110 7.9 16.8 50.4#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.687 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069545.D
Acq: 23 Jun 2021 15:17

Tgt Ion: 117 Resp: 59552
Ion Ratio Lower Upper
117 100
119 5.8 75.6 113.4#
121 0.0 23.8 35.8#

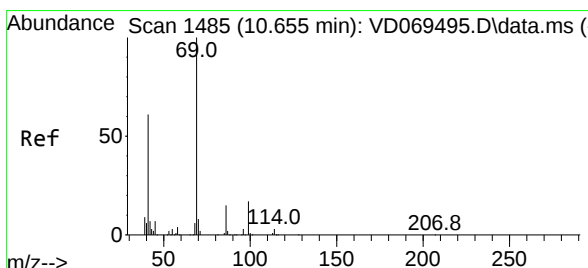
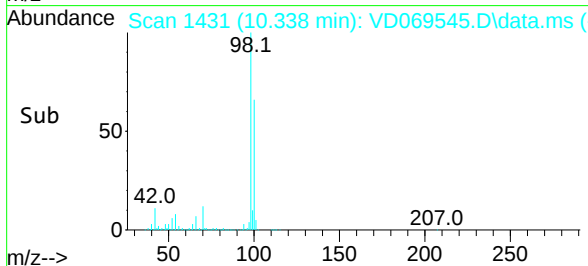
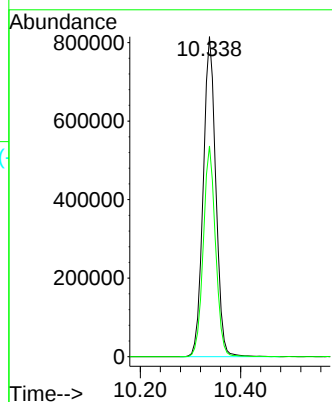
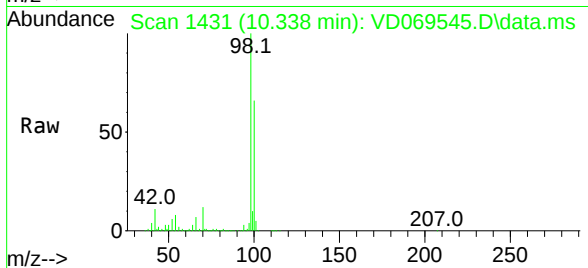




#50
Toluene-d8
Concen: 52.035 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069545.D
Acq: 23 Jun 2021 15:17

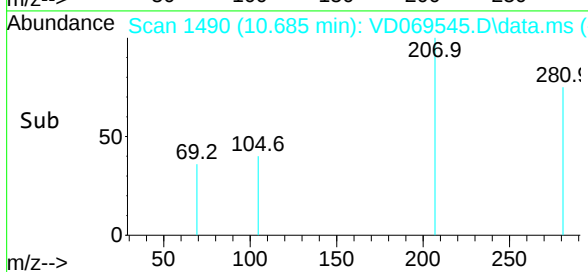
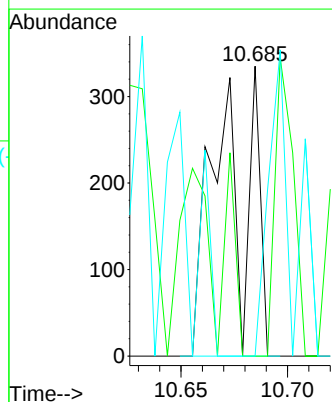
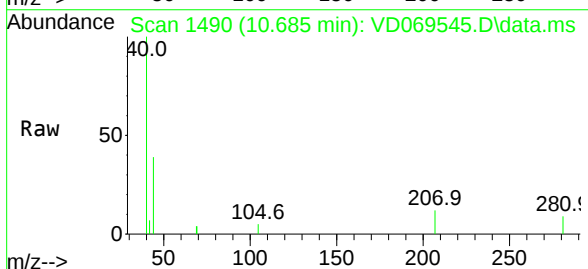
Instrument :
MSVOA_D
ClientSampleId :

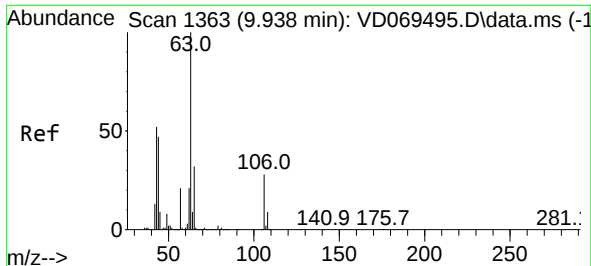
Tgt Ion: 98 Resp: 1422328
Ion Ratio Lower Upper
98 100
100 64.0 52.3 78.5



#56
Ethyl methacrylate
Concen: 2.635 ug/l
RT: 10.685 min Scan# 1490
Delta R.T. 0.030 min
Lab File: VD069545.D
Acq: 23 Jun 2021 15:17

Tgt Ion: 69 Resp: 388
Ion Ratio Lower Upper
69 100
41 52.8 49.4 74.0
39 72.4 26.9 40.3#

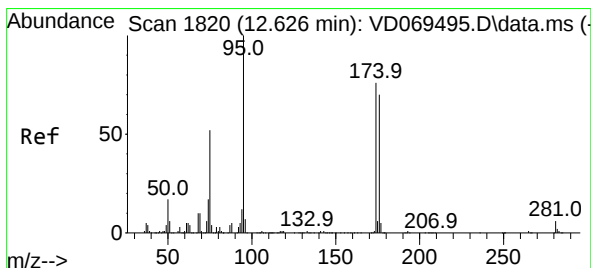
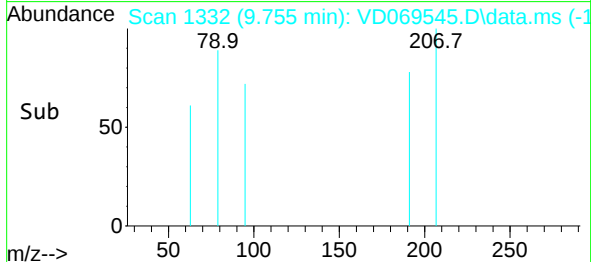
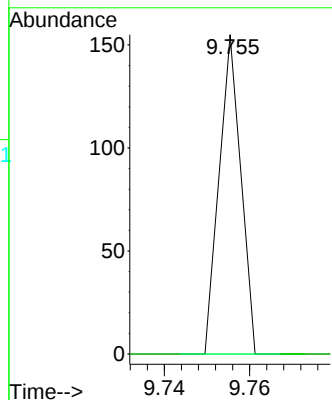
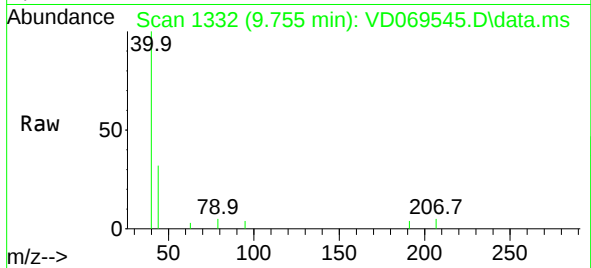




#58
2-Chloroethyl Vinyl ether
Concen: 10.615 ug/l
RT: 9.755 min Scan# 1332
Delta R.T. -0.183 min
Lab File: VD069545.D
Acq: 23 Jun 2021 15:17

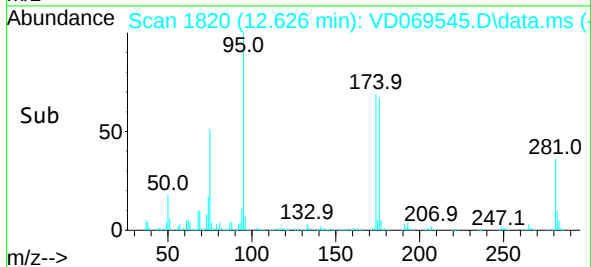
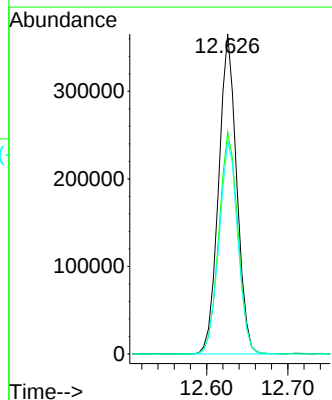
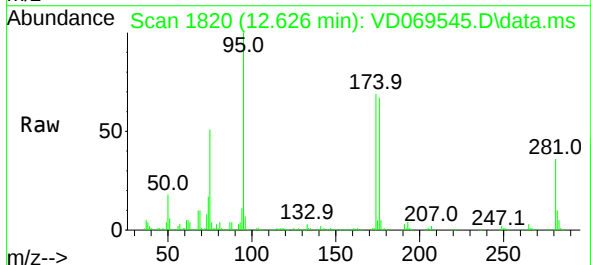
Instrument :
MSVOA_D
ClientSampled :

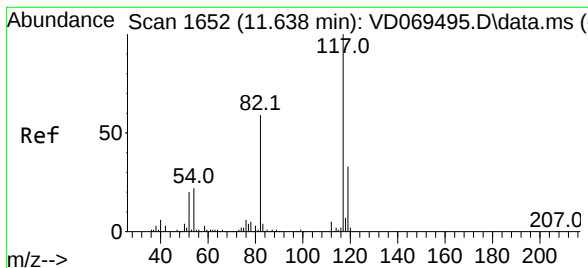
Tgt Ion: 63 Resp: 55
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#



#62
4-Bromofluorobenzene
Concen: 62.819 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069545.D
Acq: 23 Jun 2021 15:17

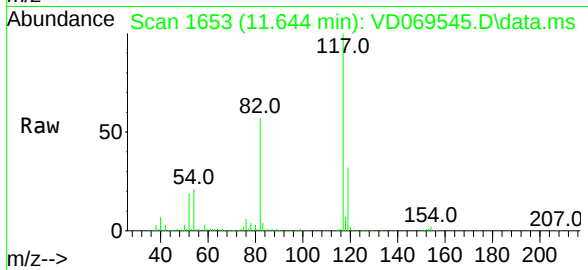
Tgt Ion: 95 Resp: 564500
Ion Ratio Lower Upper
95 100
174 73.2 0.0 148.0
176 69.4 0.0 139.8



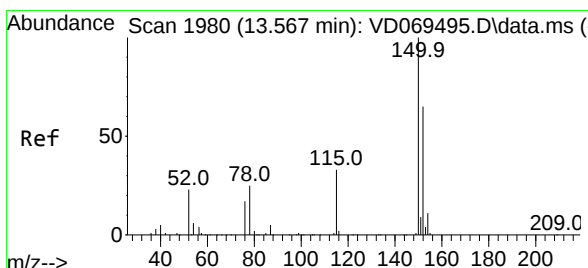
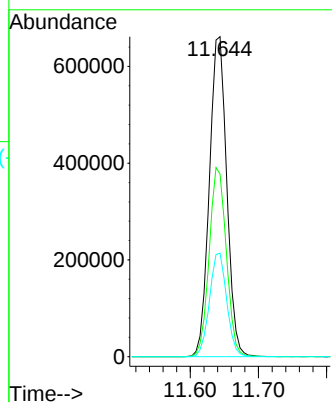
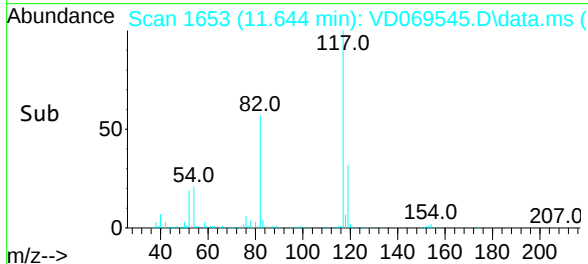


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069545.D
Acq: 23 Jun 2021 15:17

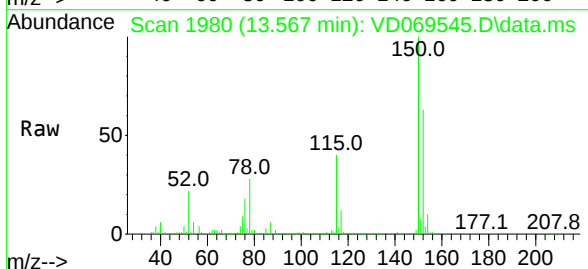
Instrument :
MSVOA_D
ClientSampleId :



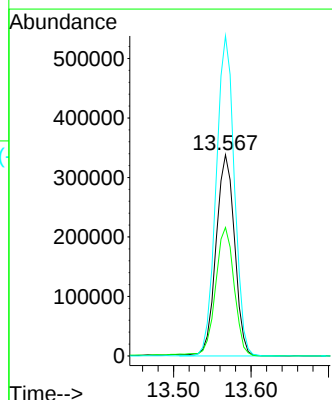
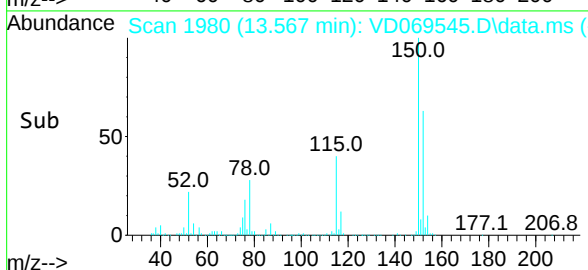
Tgt Ion:117 Resp: 1173290
Ion Ratio Lower Upper
117 100
82 57.1 46.8 70.2
119 32.4 26.2 39.2

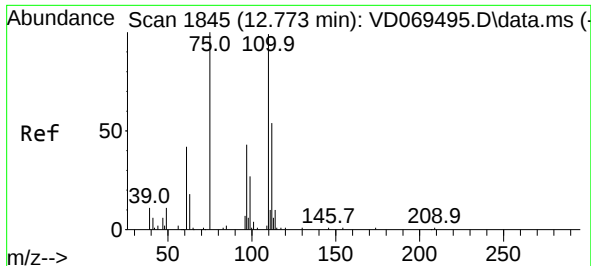


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069545.D
Acq: 23 Jun 2021 15:17



Tgt Ion:152 Resp: 561508
Ion Ratio Lower Upper
152 100
115 65.0 31.7 95.1
150 156.6 0.0 350.8

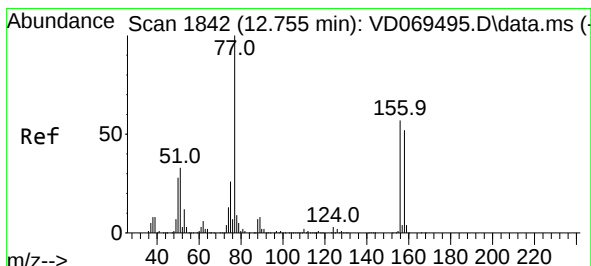
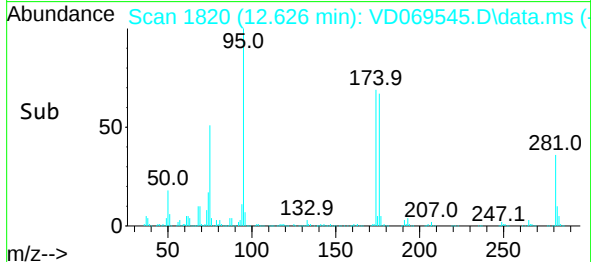
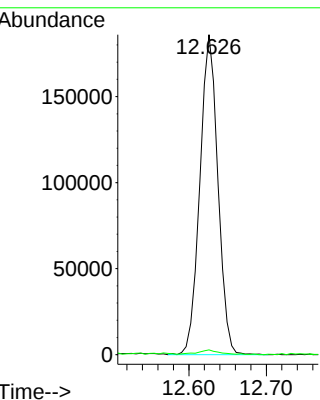
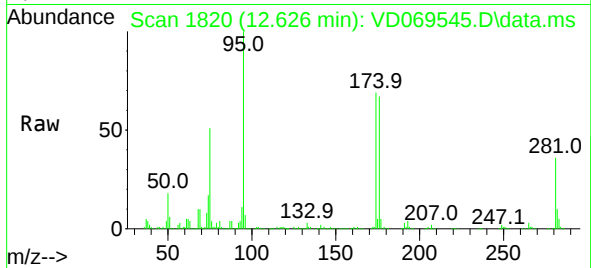




#76
1,2,3-Trichloropropane
Concen: 54.567 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069545.D
Acq: 23 Jun 2021 15:17

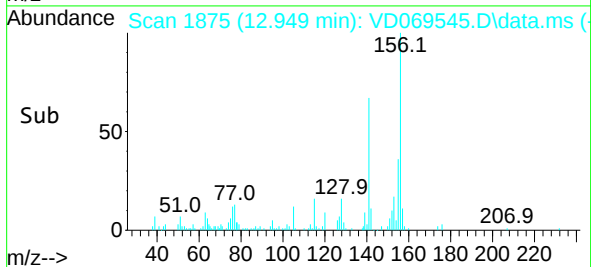
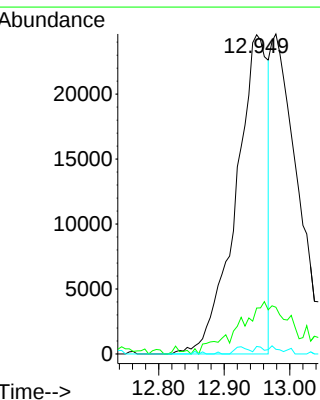
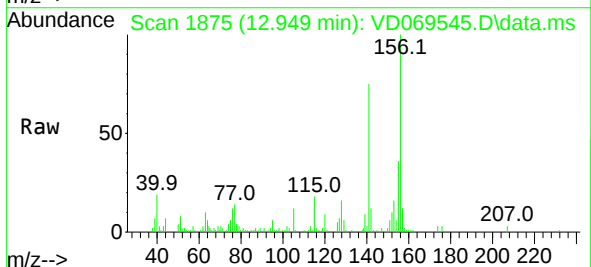
Instrument :
MSVOA_D
ClientSampleId :

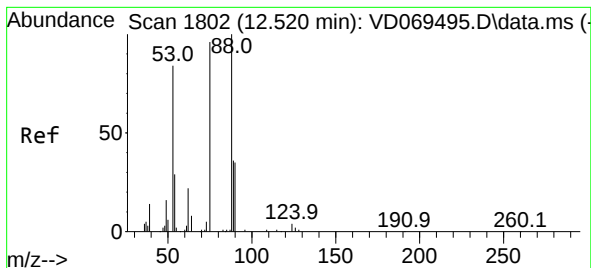
Tgt Ion: 75 Resp: 300770
Ion Ratio Lower Upper
75 100
77 2.0 162.6 487.8#



#77
Bromobenzene
Concen: 9.427 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.194 min
Lab File: VD069545.D
Acq: 23 Jun 2021 15:17

Tgt Ion:156 Resp: 82820
Ion Ratio Lower Upper
156 100
77 9.4 100.8 302.6#
158 0.4 47.4 142.2#

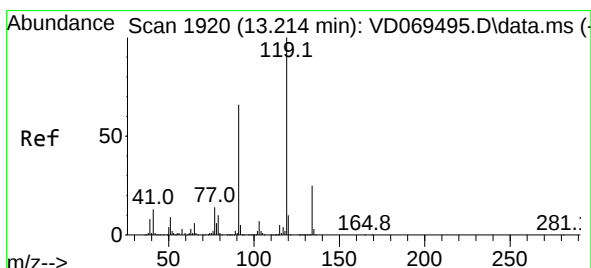
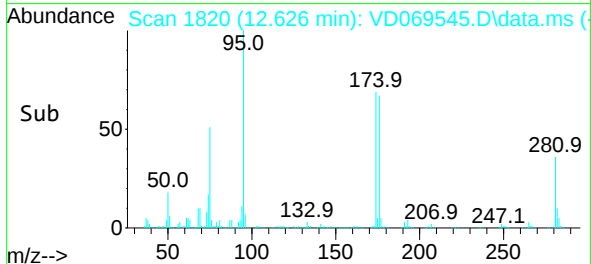
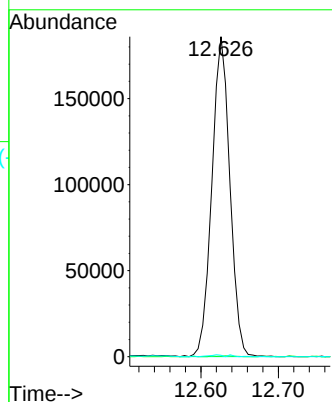
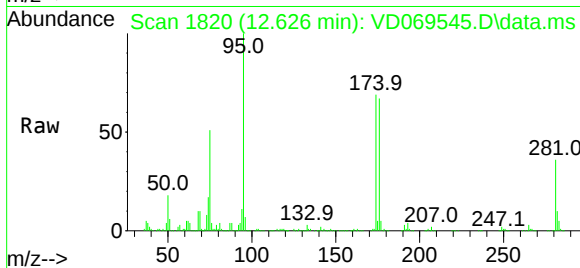




#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.247 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069545.D
 Acq: 23 Jun 2021 15:17

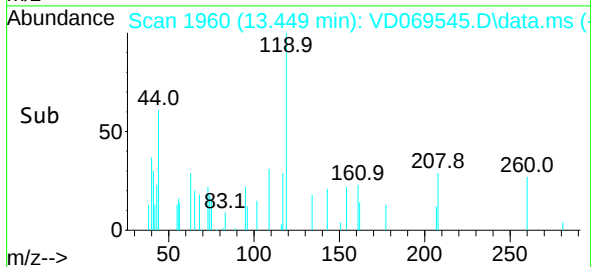
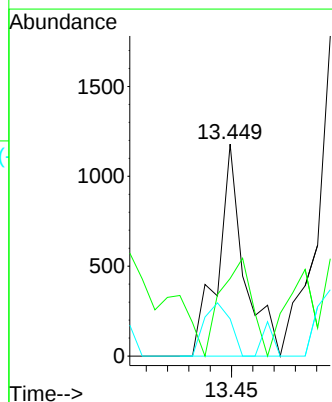
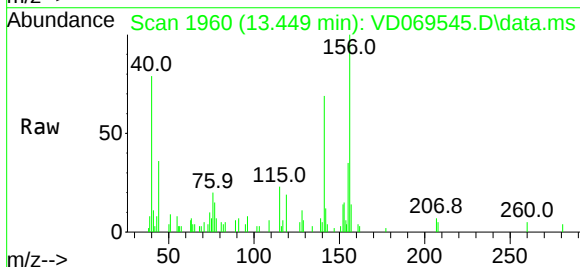
Instrument :
 MSVOA_D
 ClientSampleId :

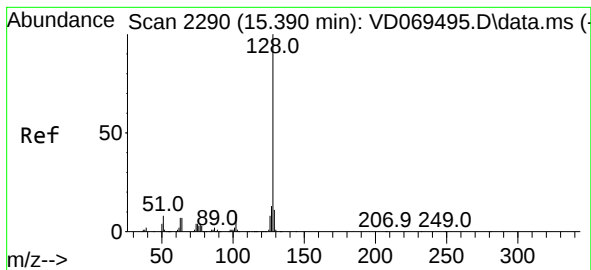
Tgt Ion: 75 Resp: 300770
 Ion Ratio Lower Upper
 75 100
 53 0.2 74.6 112.0#
 89 0.2 35.3 52.9#



#83
 tert-Butylbenzene
 Concen: 2.026 ug/l
 RT: 13.449 min Scan# 1960
 Delta R.T. 0.235 min
 Lab File: VD069545.D
 Acq: 23 Jun 2021 15:17

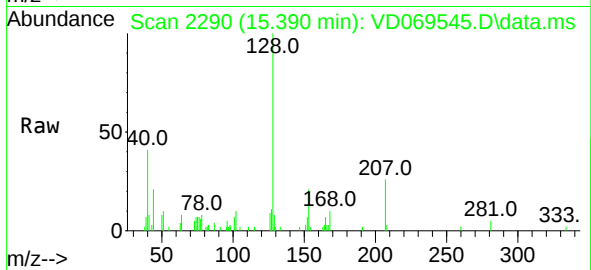
Tgt Ion: 119 Resp: 1012
 Ion Ratio Lower Upper
 119 100
 91 54.2 32.5 97.4
 134 25.1 12.9 38.7





#95
Naphthalene
Concen: 4.423 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069545.D
Acq: 23 Jun 2021 15:17

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 20028
Ion Ratio Lower Upper
128 100
127 13.6 10.6 16.0
129 8.6 8.7 13.1#

