

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062221\
 Data File : VD069523.D
 Acq On : 22 Jun 2021 18:33
 Operator : VA/SY
 Sample : M2773-09
 Misc : 4.39G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

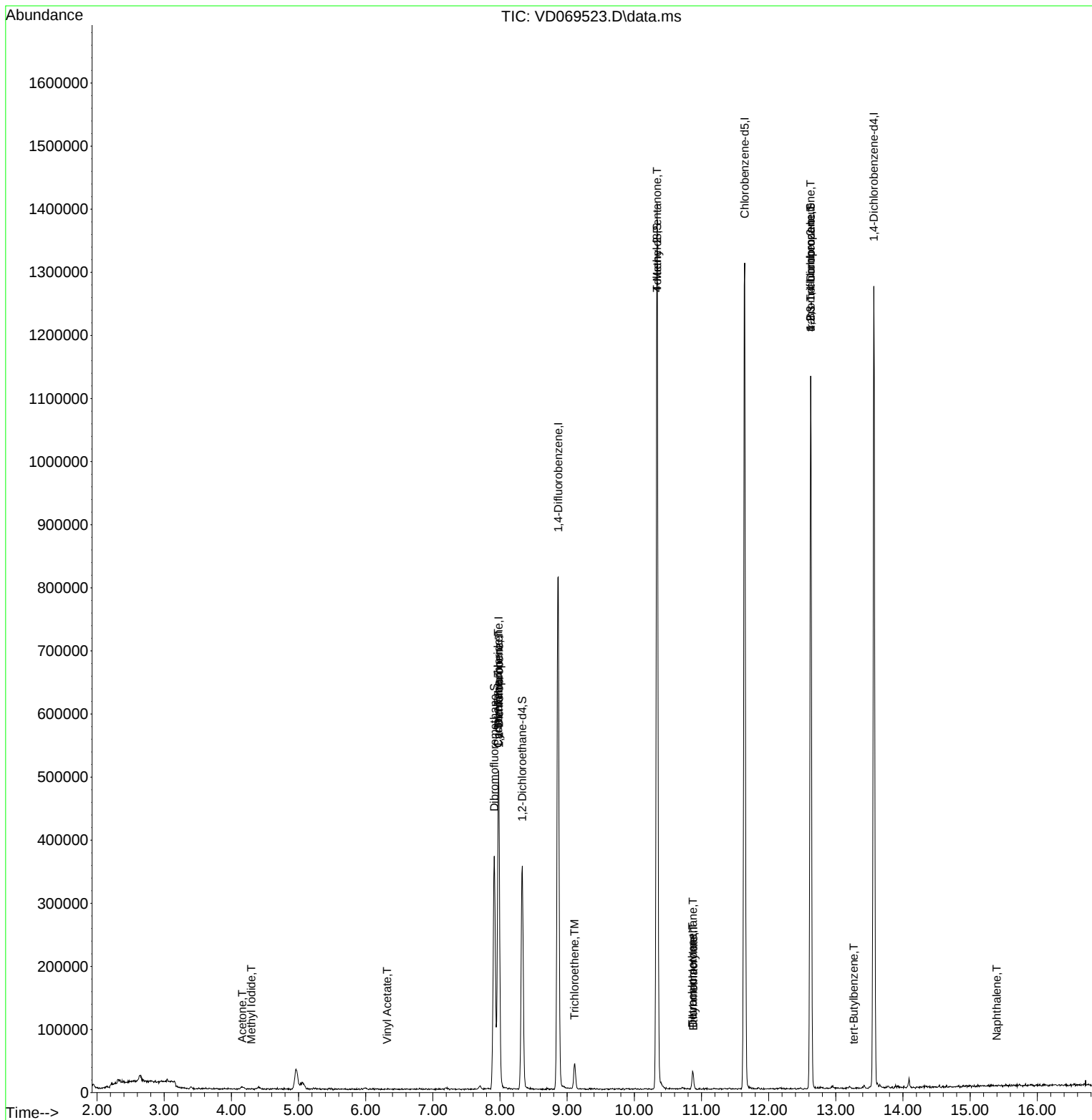
Quant Time: Jun 23 04:30:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

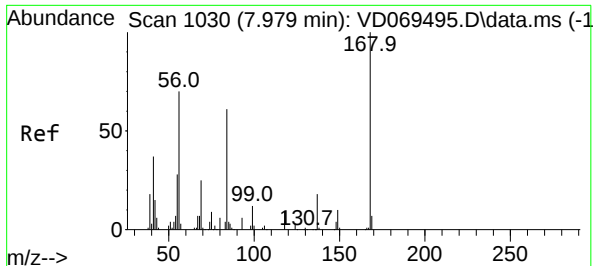
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	345938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	704684	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	750579	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	336844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	288162	66.827	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 133.660%			
35) Dibromofluoromethane	7.914	113	267928	56.246	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.500%			
50) Toluene-d8	10.338	98	943727	52.818	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.640%			
62) 4-Bromofluorobenzene	12.626	95	328010	55.840	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 111.680%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	642	Below Cal	#	45
10) Methyl Iodide	4.297	142	356	4.031	ug/l #	39
11) Tert butyl alcohol	5.226	59	471	Below Cal	#	83
16) Acetone	4.162	43	6646	9.157	ug/l #	87
18) Methyl Acetate	4.714	43	98	Below Cal	#	49
20) Methylene Chloride	4.973	84	24941	Below Cal		87
23) Vinyl Acetate	6.320	43	210	19.042	ug/l #	70
31) Cyclohexane	7.973	56	9320	1.605	ug/l #	1
36) 1,1-Dichloropropene	7.985	75	33545	4.850	ug/l #	50
38) Carbon Tetrachloride	7.973	117	39931	5.834	ug/l #	16
44) Trichloroethene	9.108	130	13832	2.749	ug/l	88
51) 4-Methyl-2-Pentanone	10.338	43	4254	1.735	ug/l #	1
56) Ethyl methacrylate	10.879	69	180	2.620	ug/l #	27
60) Dibromochloromethane	10.873	129	5636	1.263	ug/l #	10
64) Tetrachloroethene	10.867	164	4940	1.048	ug/l #	82
76) 1,2,3-Trichloropropane	12.626	75	170080	51.437	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	170080	128.432	ug/l #	13
83) tert-Butylbenzene	13.267	119	110	1.998	ug/l #	27
95) Naphthalene	15.396	128	350	3.385	ug/l #	69

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

Quant Time: Jun 23 04:30:21 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

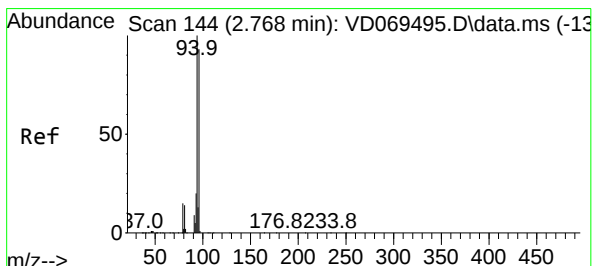
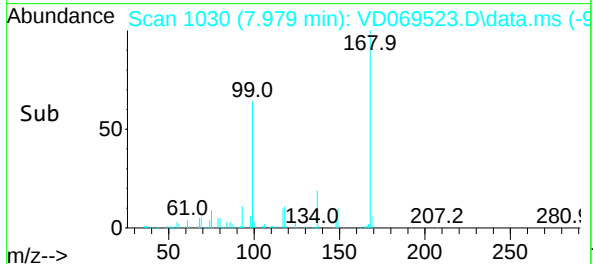
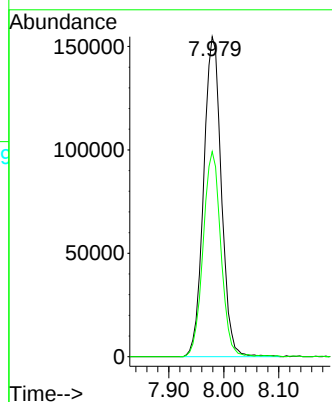
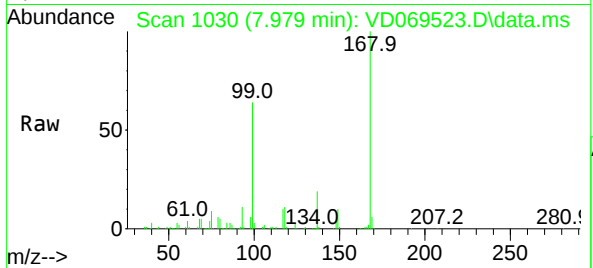




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069523.D
Acq: 22 Jun 2021 18:33

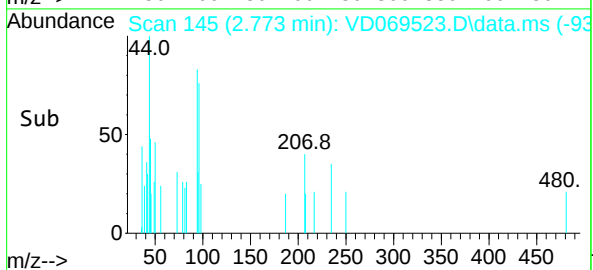
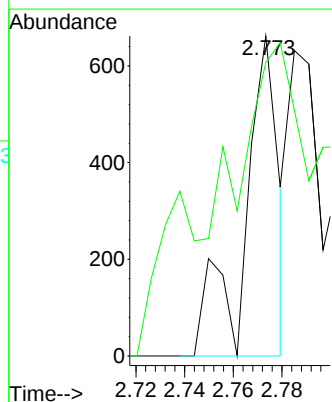
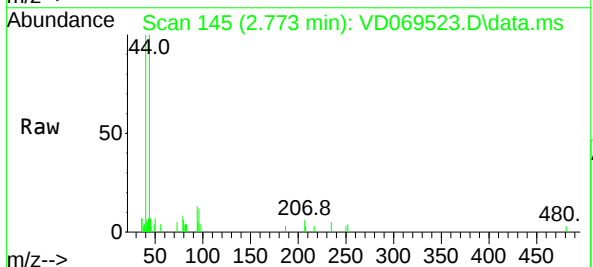
Instrument :
MSVOA_D
ClientSampleId :

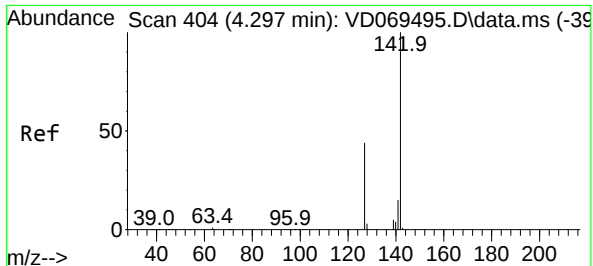
Tgt Ion:168 Resp: 345938
Ion Ratio Lower Upper
168 100
99 64.1 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD069523.D
Acq: 22 Jun 2021 18:33

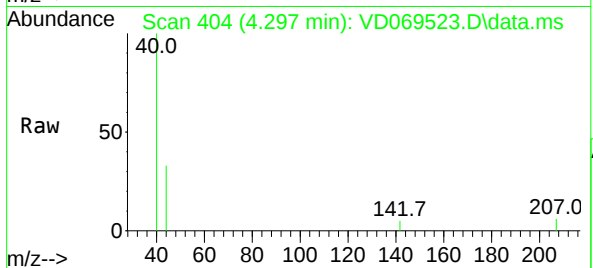
Tgt Ion: 94 Resp: 642
Ion Ratio Lower Upper
94 100
96 40.2 74.6 111.8#



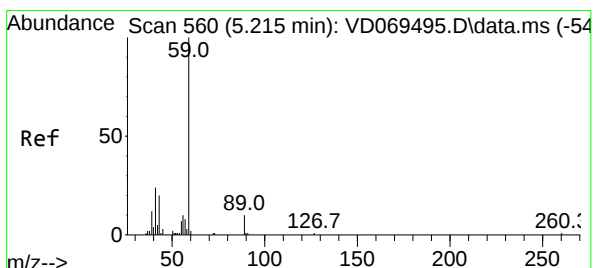
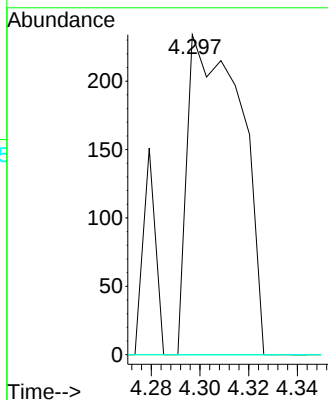
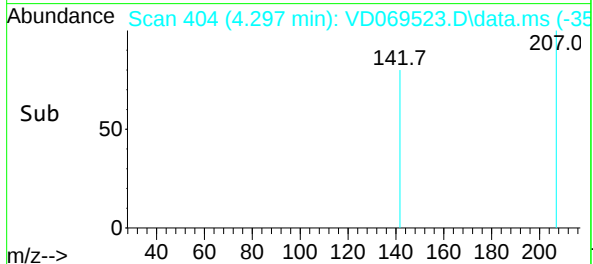


#10
Methyl Iodide
Concen: 4.031 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD069523.D
Acq: 22 Jun 2021 18:33

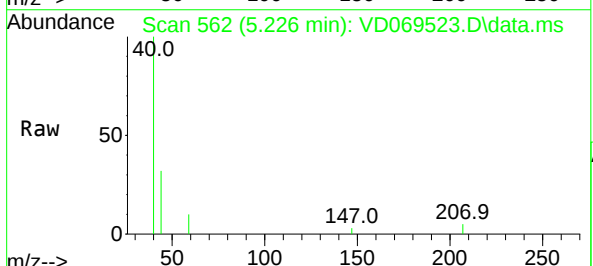
Instrument :
MSVOA_D
ClientSampleId :



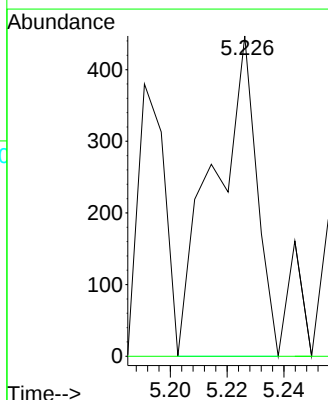
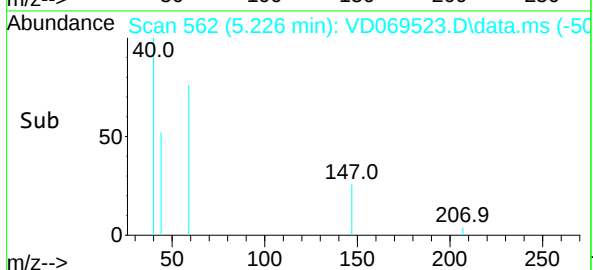
Tgt Ion:142 Resp: 356
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#

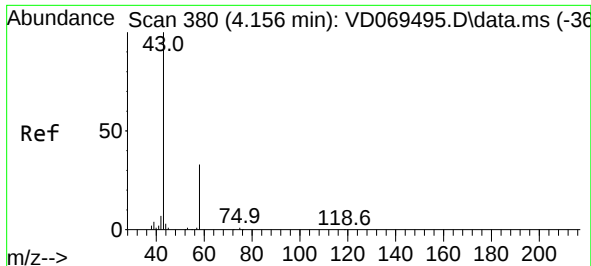


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.226 min Scan# 562
Delta R.T. 0.011 min
Lab File: VD069523.D
Acq: 22 Jun 2021 18:33



Tgt Ion: 59 Resp: 471
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

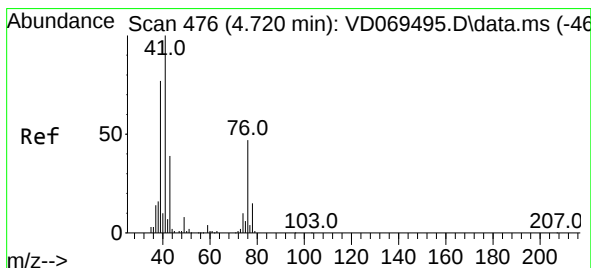
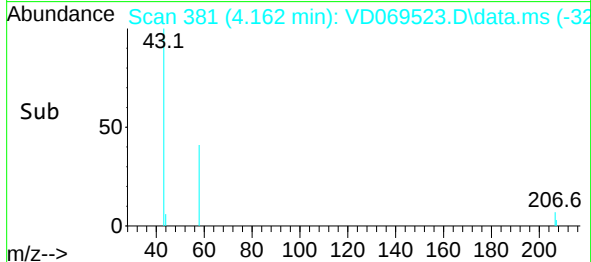
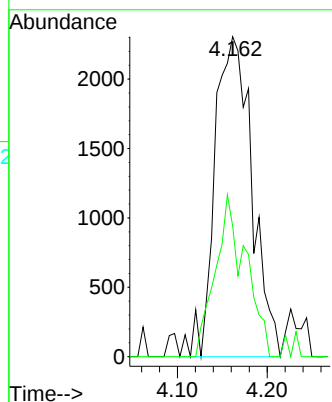
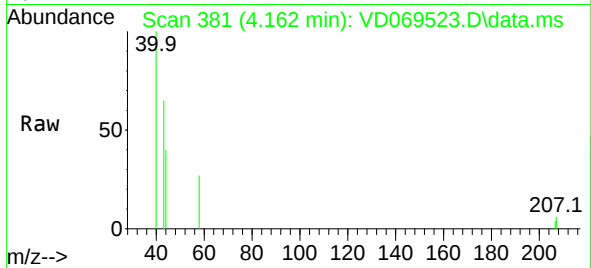




#16
Acetone
Concen: 9.157 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069523.D
Acq: 22 Jun 2021 18:33

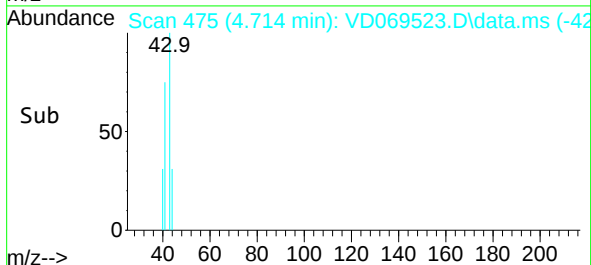
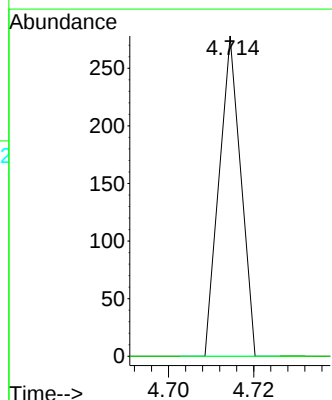
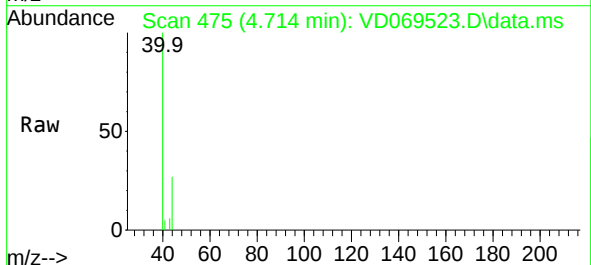
Instrument :
MSVOA_D
ClientSampled :

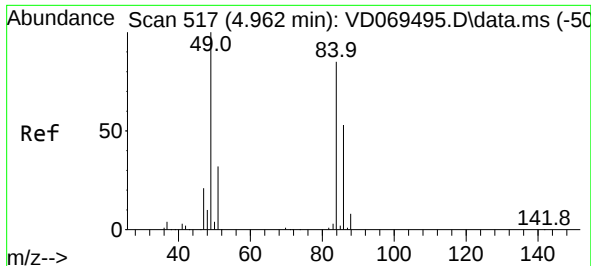
Tgt Ion: 43 Resp: 6646
Ion Ratio Lower Upper
43 100
58 40.8 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.714 min Scan# 475
Delta R.T. -0.006 min
Lab File: VD069523.D
Acq: 22 Jun 2021 18:33

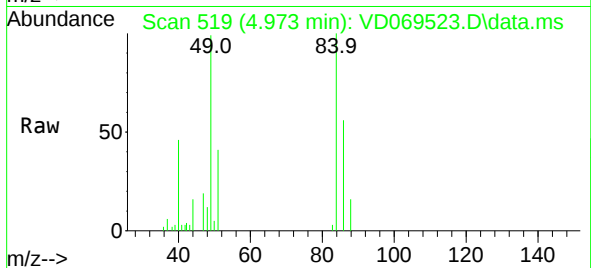
Tgt Ion: 43 Resp: 98
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



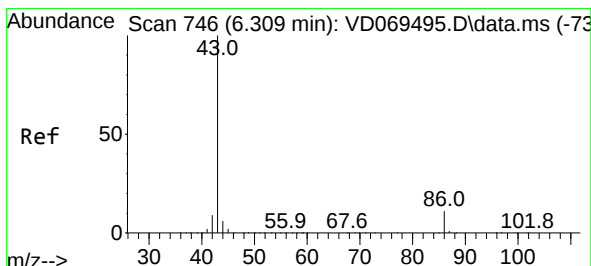
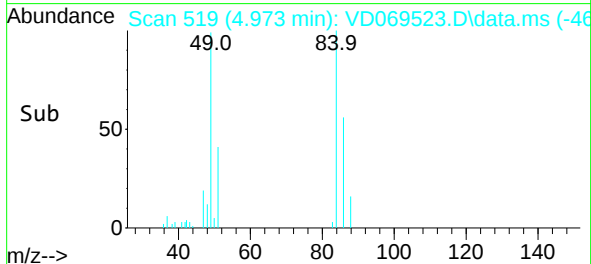
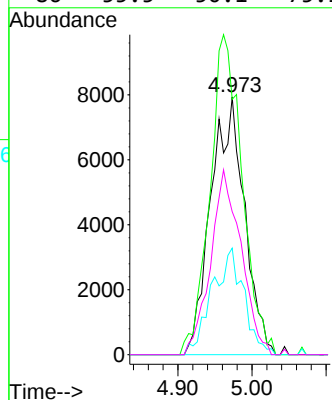


#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD069523.D
Acq: 22 Jun 2021 18:33

Instrument :
MSVOA_D
ClientSampleId :

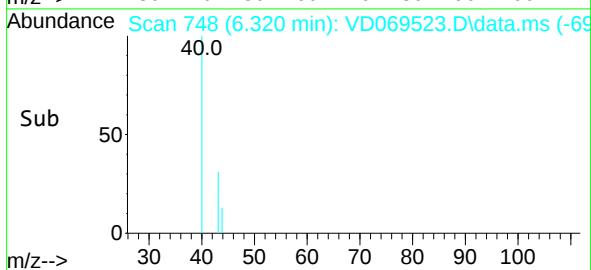
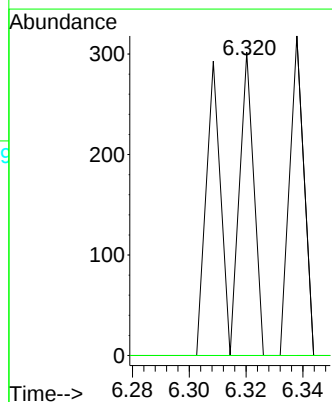
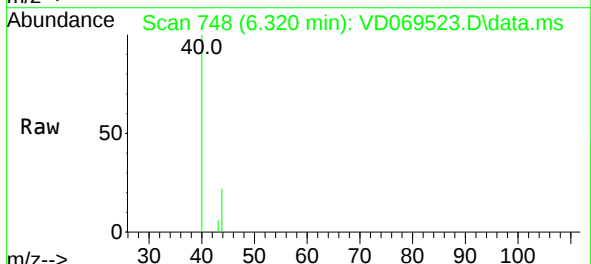


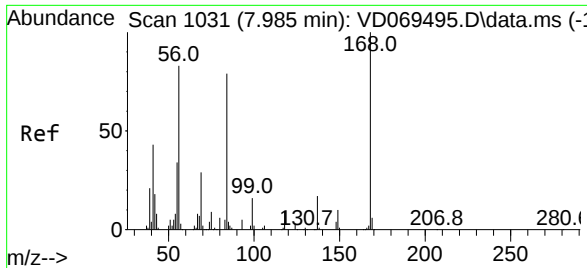
Tgt Ion:	84	Resp:	24941
Ion	Ratio	Lower	Upper
84	100		
49	99.1	94.0	141.0
51	41.4	29.7	44.5
86	55.5	50.1	75.1



#23
Vinyl Acetate
Concen: 19.042 ug/l
RT: 6.320 min Scan# 748
Delta R.T. 0.011 min
Lab File: VD069523.D
Acq: 22 Jun 2021 18:33

Tgt Ion:	43	Resp:	210
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#

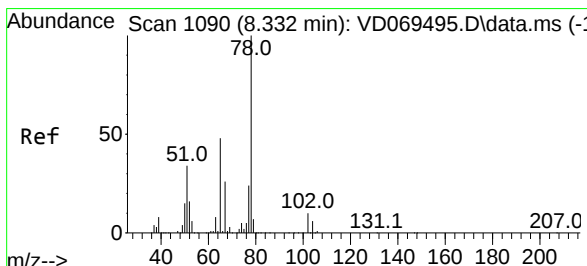
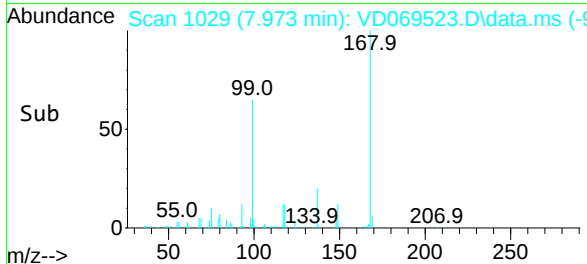
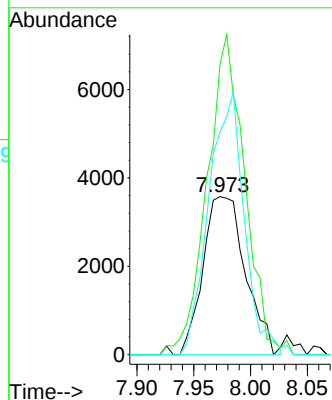
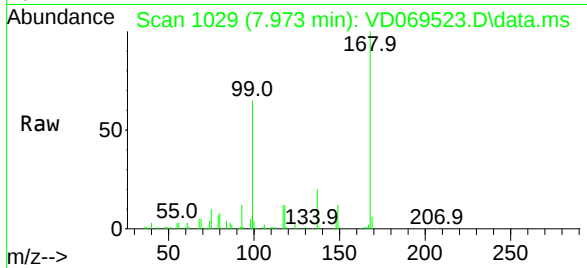




#31
Cyclohexane
Concen: 1.605 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069523.D
Acq: 22 Jun 2021 18:33

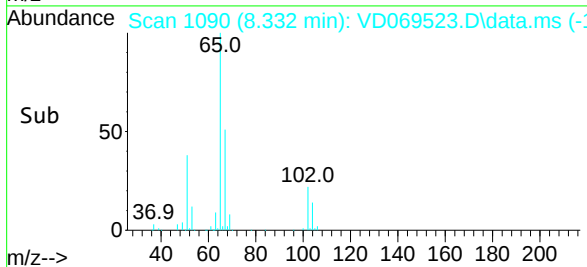
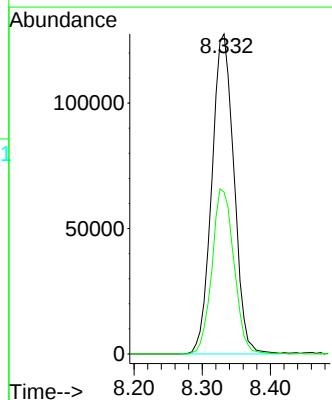
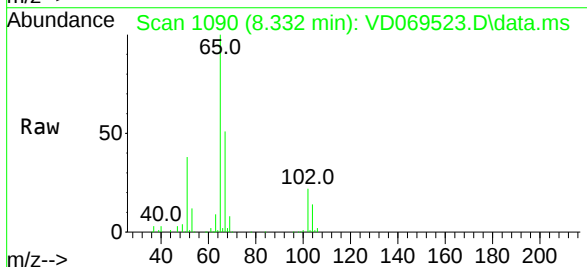
Instrument :
MSVOA_D
ClientSampleId :

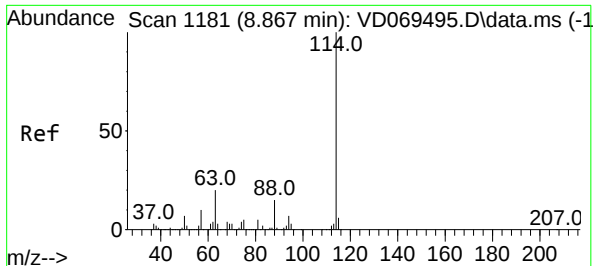
Tgt Ion: 56 Resp: 9320
Ion Ratio Lower Upper
56 100
69 179.6 28.0 42.0#
84 140.8 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 66.827 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069523.D
Acq: 22 Jun 2021 18:33

Tgt Ion: 65 Resp: 288162
Ion Ratio Lower Upper
65 100
67 51.3 0.0 105.6

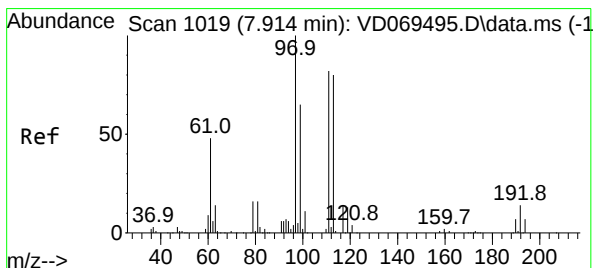
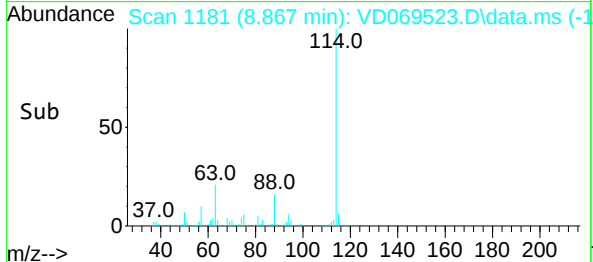
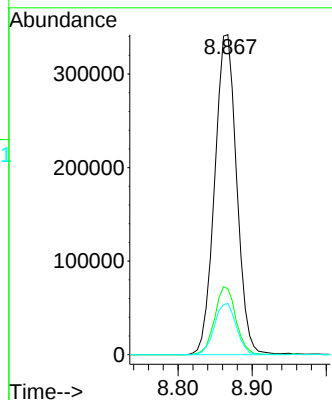
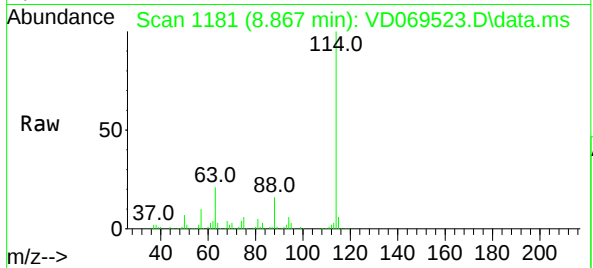




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069523.D
Acq: 22 Jun 2021 18:33

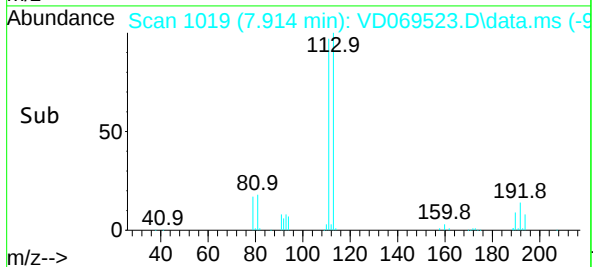
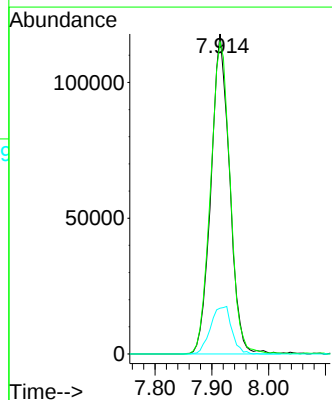
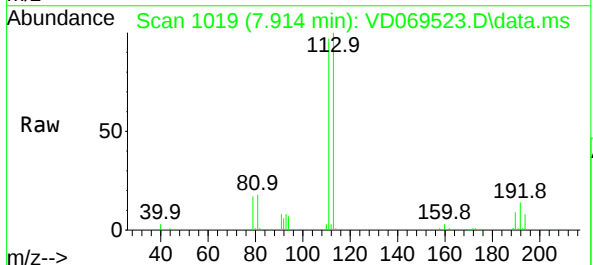
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MSVOA_D
ClientSampled :

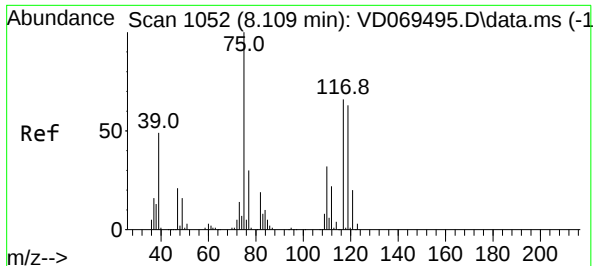
Tgt Ion:114 Resp: 704684
Ion Ratio Lower Upper
114 100
63 20.6 0.0 39.6
88 16.1 0.0 29.8



#35
Dibromofluoromethane
Concen: 56.246 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069523.D
Acq: 22 Jun 2021 18:33

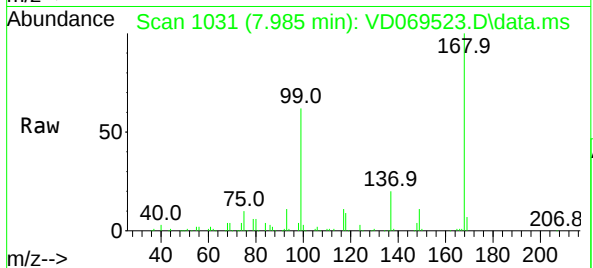
Tgt Ion:113 Resp: 267928
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.8
192 16.8 13.8 20.6



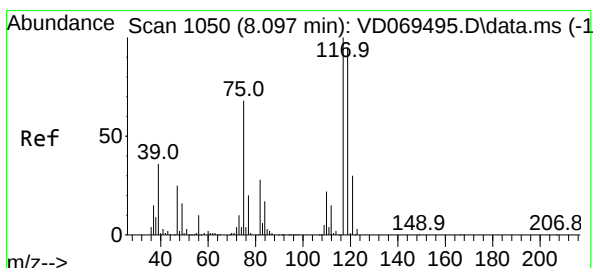
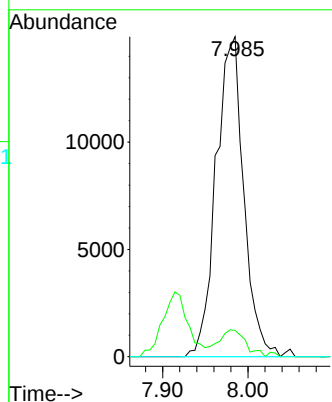
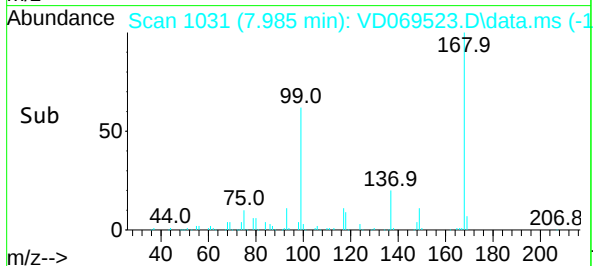


#36
1,1-Dichloropropene
Concen: 4.850 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.124 min
Lab File: VD069523.D
Acq: 22 Jun 2021 18:33

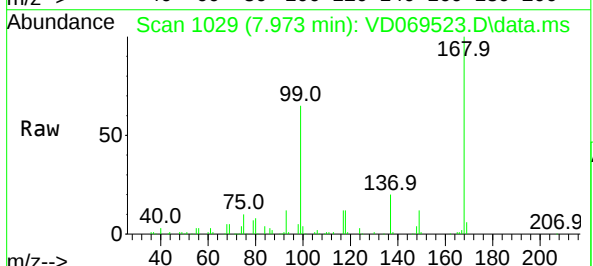
Instrument :
MSVOA_D
ClientSampled :



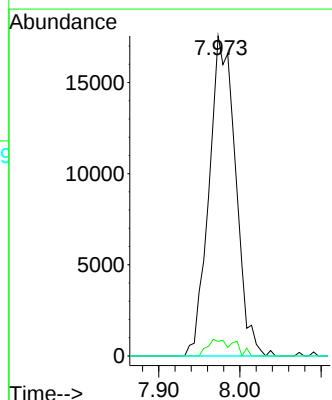
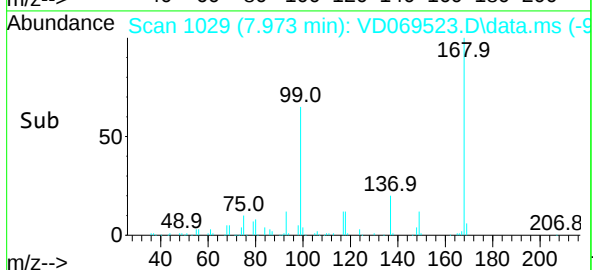
Tgt Ion: 75 Resp: 33545
Ion Ratio Lower Upper
75 100
110 8.4 16.8 50.4#
77 0.0 24.3 36.5#

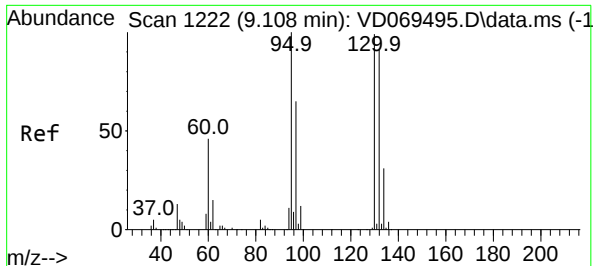


#38
Carbon Tetrachloride
Concen: 5.834 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069523.D
Acq: 22 Jun 2021 18:33



Tgt Ion: 117 Resp: 39931
Ion Ratio Lower Upper
117 100
119 4.5 75.6 113.4#
121 0.0 23.8 35.8#

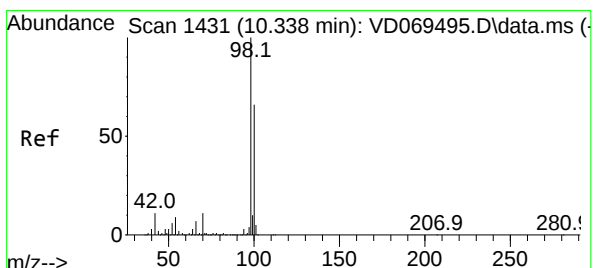
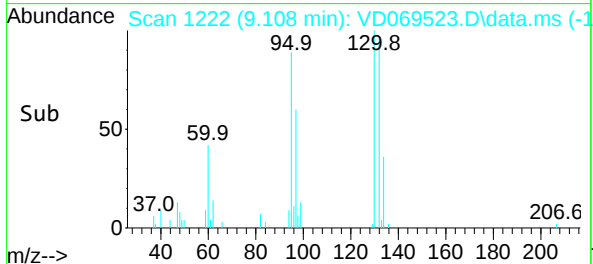
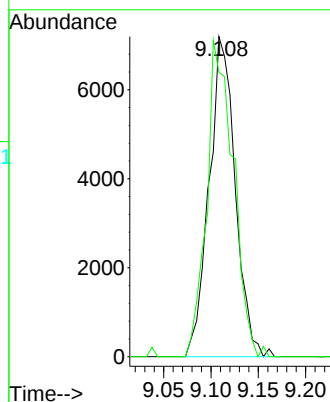
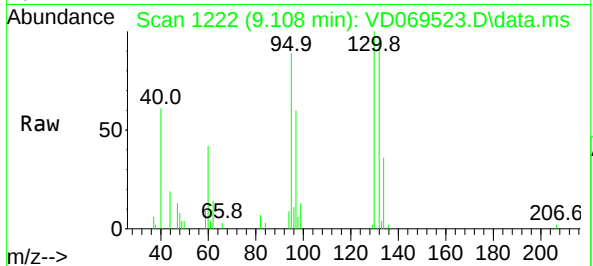




#44
Trichloroethene
Concen: 2.749 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VD069523.D
Acq: 22 Jun 2021 18:33

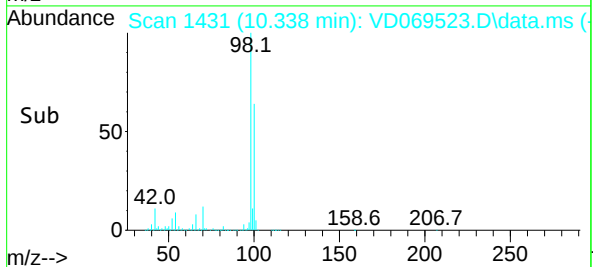
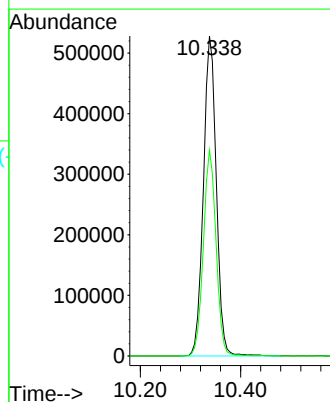
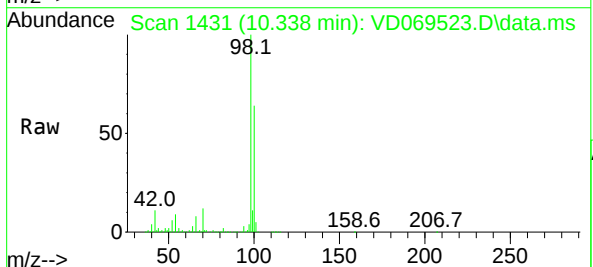
Instrument :
MSVOA_D
ClientSampleId :

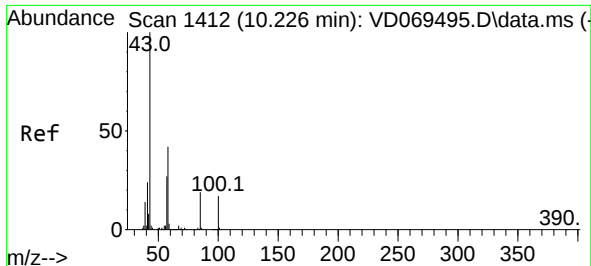
Tgt Ion:130 Resp: 13832
Ion Ratio Lower Upper
130 100
95 88.9 0.0 202.2



#50
Toluene-d8
Concen: 52.818 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069523.D
Acq: 22 Jun 2021 18:33

Tgt Ion: 98 Resp: 943727
Ion Ratio Lower Upper
98 100
100 63.4 52.3 78.5

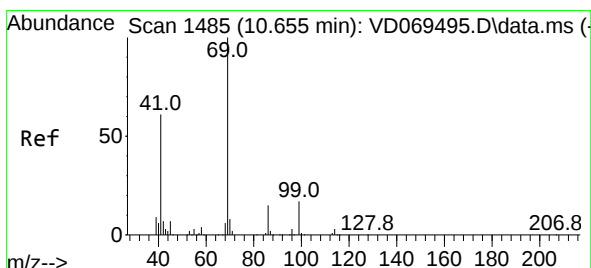
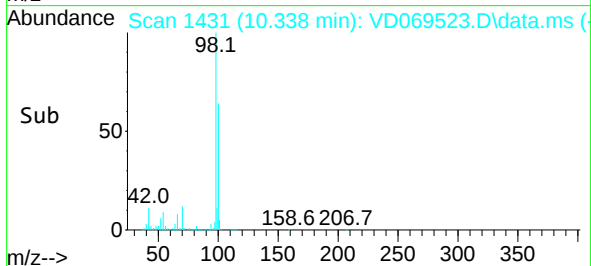
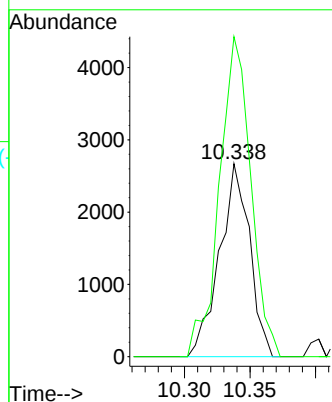
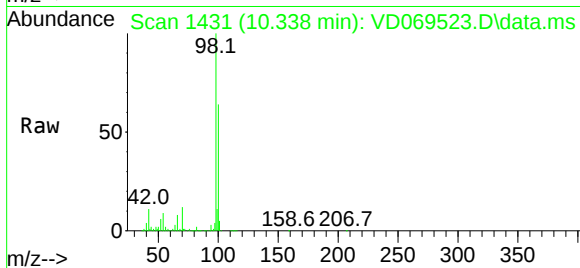




#51
4-Methyl-2-Pentanone
Concen: 1.735 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD069523.D
Acq: 22 Jun 2021 18:33

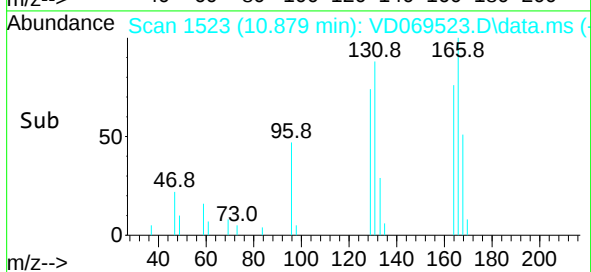
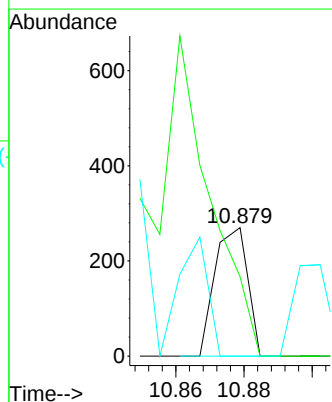
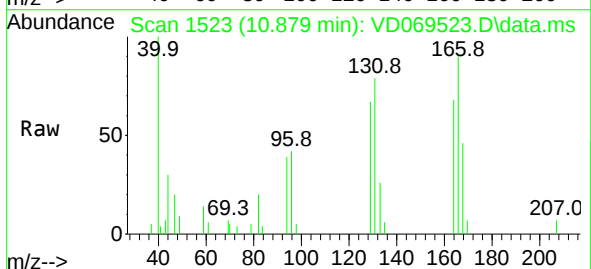
Instrument :
MSVOA_D
ClientSampled :

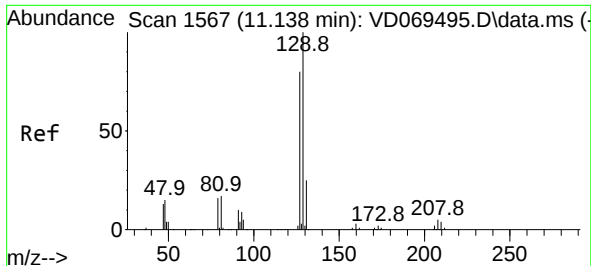
Tgt Ion: 43 Resp: 4254
Ion Ratio Lower Upper
43 100
58 173.1 33.6 50.4#



#56
Ethyl methacrylate
Concen: 2.620 ug/l
RT: 10.879 min Scan# 1523
Delta R.T. 0.224 min
Lab File: VD069523.D
Acq: 22 Jun 2021 18:33

Tgt Ion: 69 Resp: 180
Ion Ratio Lower Upper
69 100
41 0.0 49.4 74.0#
39 0.0 26.9 40.3#

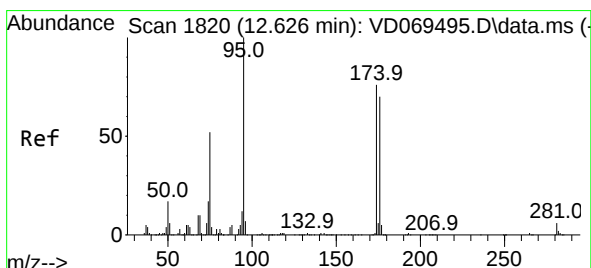
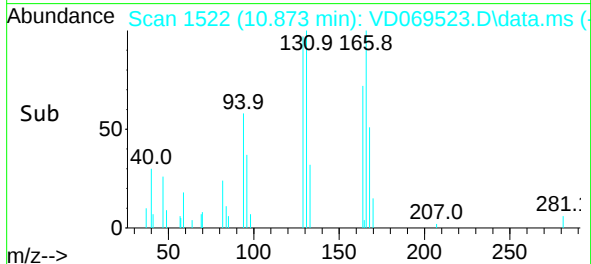
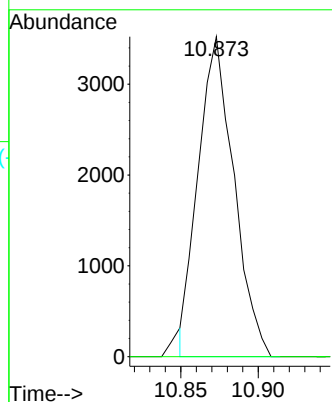
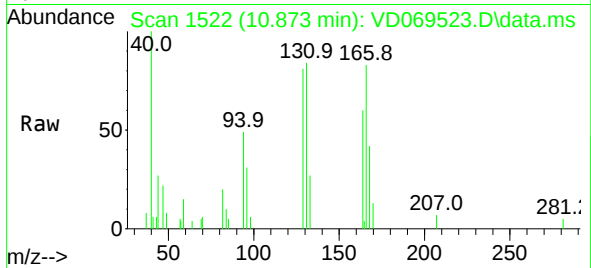




#60
Dibromochloromethane
Concen: 1.263 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.265 min
Lab File: VD069523.D
Acq: 22 Jun 2021 18:33

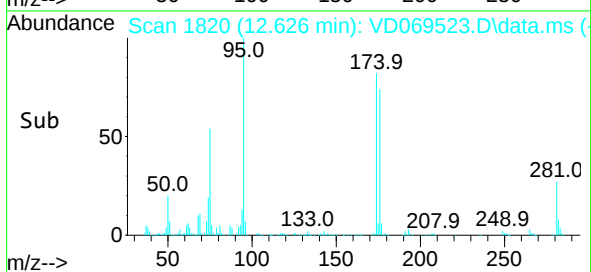
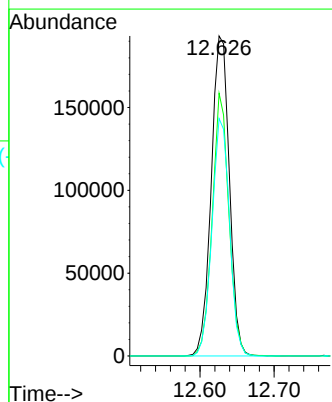
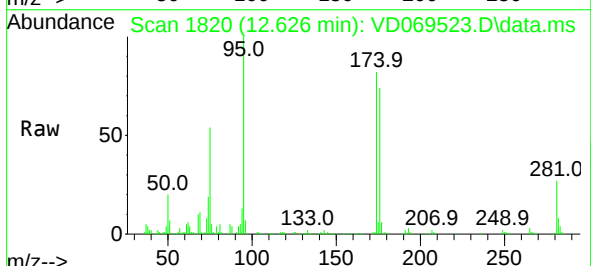
Instrument :
MSVOA_D
ClientSampleId :

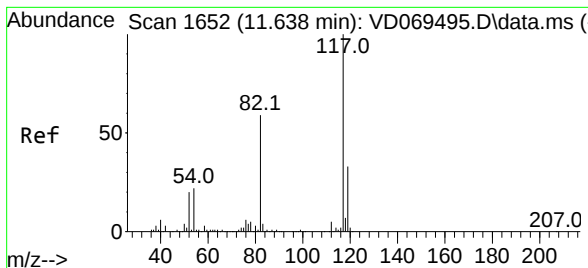
Tgt Ion:129 Resp: 5636
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#



#62
4-Bromofluorobenzene
Concen: 55.840 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069523.D
Acq: 22 Jun 2021 18:33

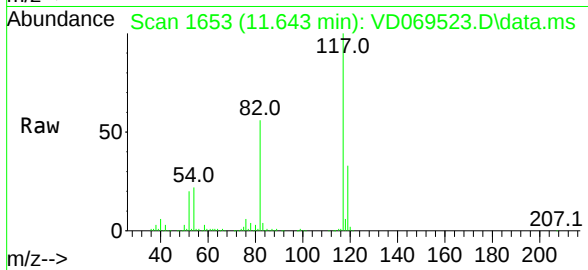
Tgt Ion: 95 Resp: 328010
Ion Ratio Lower Upper
95 100
174 75.4 0.0 148.0
176 71.7 0.0 139.8



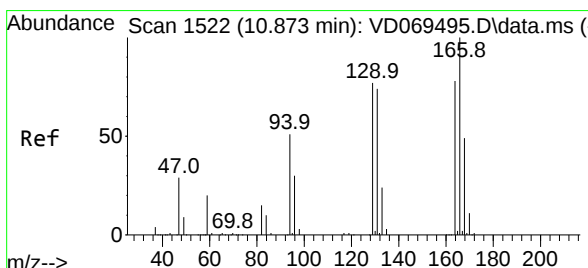
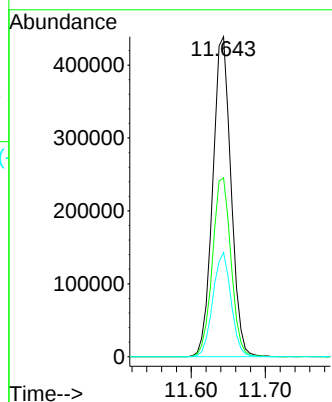
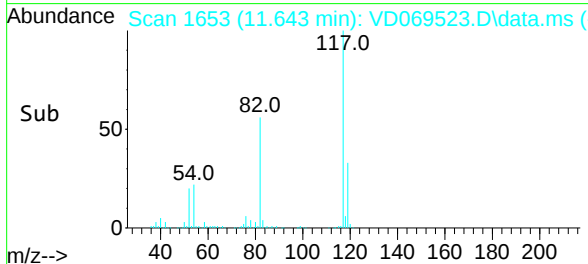


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069523.D
Acq: 22 Jun 2021 18:33

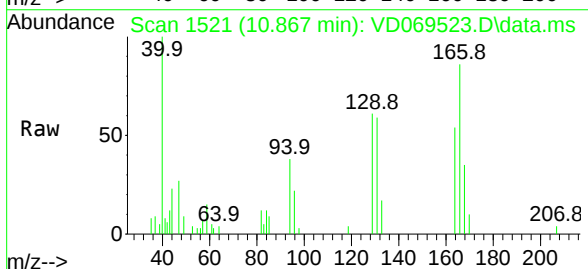
Instrument :
MSVOA_D
ClientSampleId :



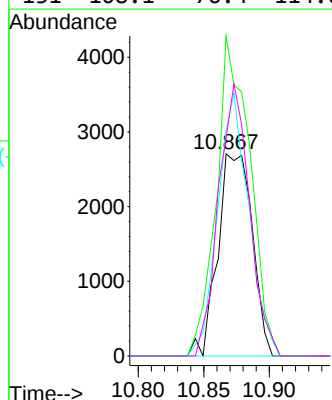
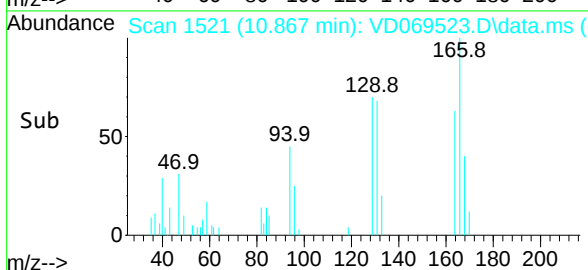
Tgt Ion:117 Resp: 750579
Ion Ratio Lower Upper
117 100
82 55.9 46.8 70.2
119 32.5 26.2 39.2

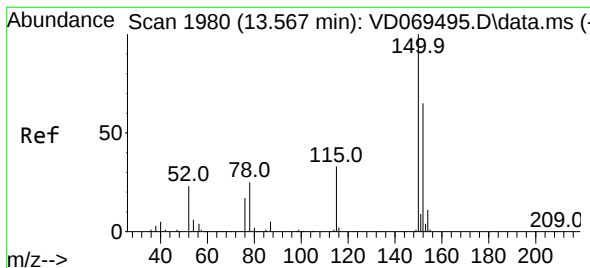


#64
Tetrachloroethene
Concen: 1.048 ug/l
RT: 10.867 min Scan# 1521
Delta R.T. -0.006 min
Lab File: VD069523.D
Acq: 22 Jun 2021 18:33



Tgt Ion:164 Resp: 4940
Ion Ratio Lower Upper
164 100
166 158.3 102.6 153.8#
129 111.5 79.1 118.7
131 108.1 76.4 114.6

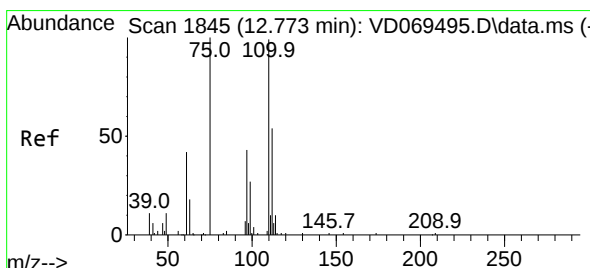
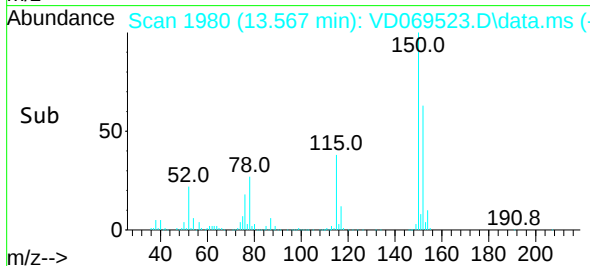
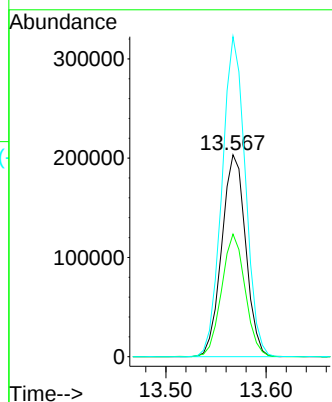
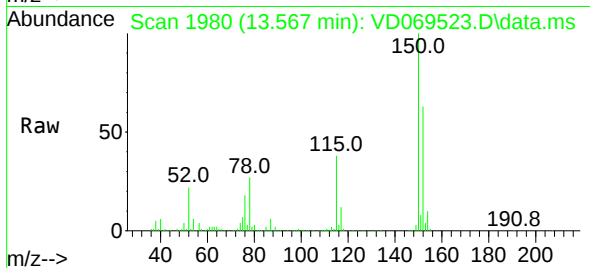




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069523.D
 Acq: 22 Jun 2021 18:33

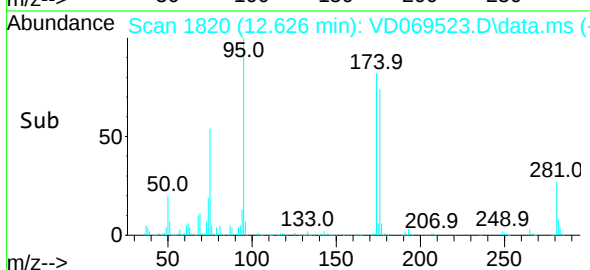
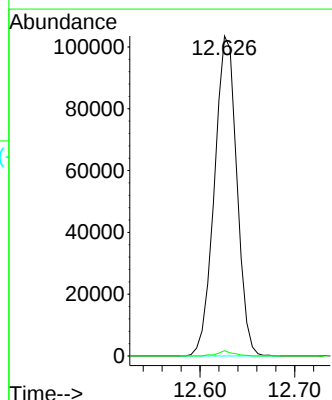
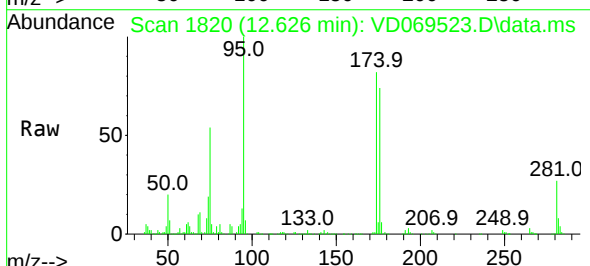
Instrument :
 MSVOA_D
 ClientSampled :

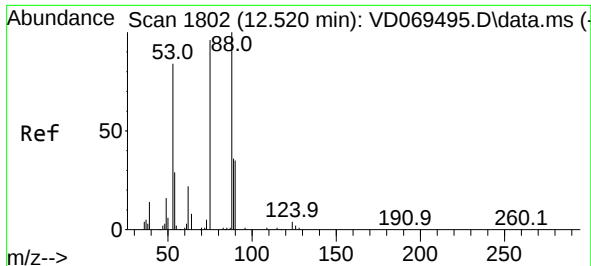
Tgt Ion:152 Resp: 336844
 Ion Ratio Lower Upper
 152 100
 115 59.8 31.7 95.1
 150 155.1 0.0 350.8



#76
 1,2,3-Trichloropropane
 Concen: 51.437 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069523.D
 Acq: 22 Jun 2021 18:33

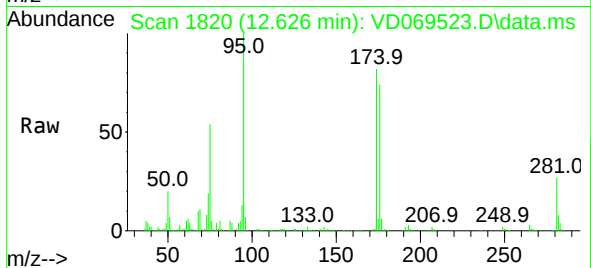
Tgt Ion: 75 Resp: 170080
 Ion Ratio Lower Upper
 75 100
 77 1.2 162.6 487.8#



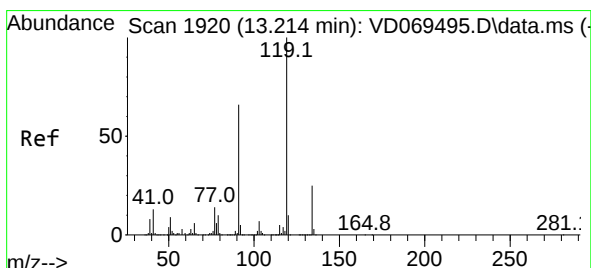
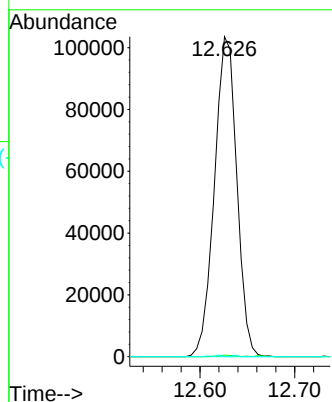
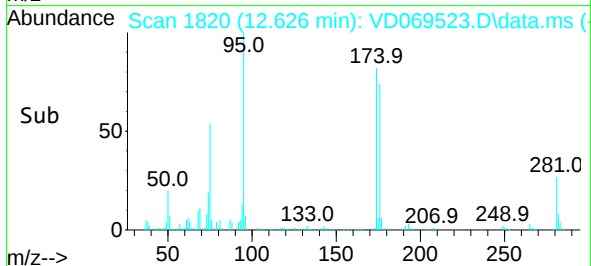


#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.432 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069523.D
 Acq: 22 Jun 2021 18:33

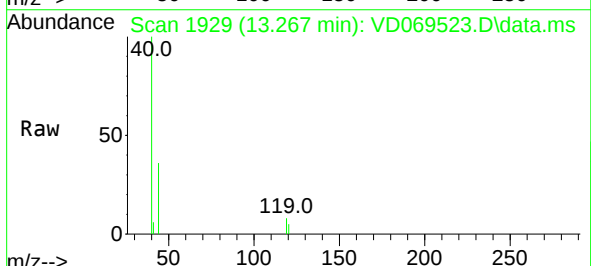
Instrument :
 MSVOA_D
 ClientSampleId :



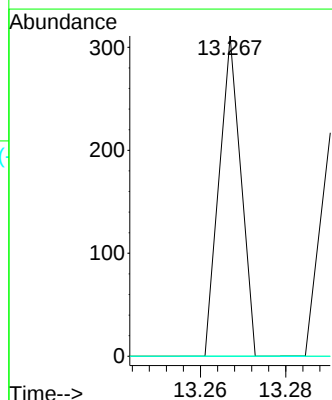
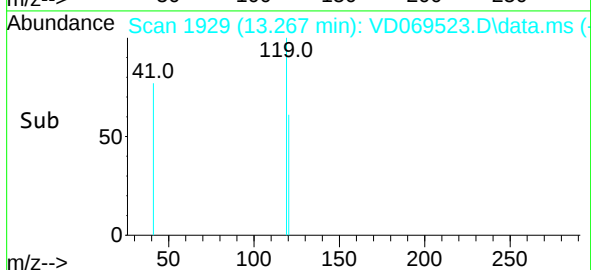
Tgt Ion: 75 Resp: 170080
 Ion Ratio Lower Upper
 75 100
 53 0.3 74.6 112.0#
 89 0.2 35.3 52.9#

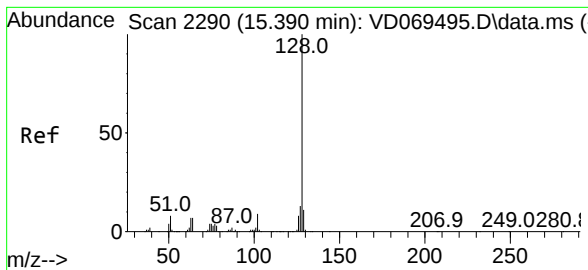


#83
 tert-Butylbenzene
 Concen: 1.998 ug/l
 RT: 13.267 min Scan# 1929
 Delta R.T. 0.053 min
 Lab File: VD069523.D
 Acq: 22 Jun 2021 18:33



Tgt Ion: 119 Resp: 110
 Ion Ratio Lower Upper
 119 100
 91 0.0 32.5 97.4#
 134 0.0 12.9 38.7#





#95
Naphthalene
Concen: 3.385 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.006 min
Lab File: VD069523.D
Acq: 22 Jun 2021 18:33

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 350
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

