

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062221\
 Data File : VD069527.D
 Acq On : 22 Jun 2021 20:25
 Operator : VA/SY
 Sample : M2795-02
 Misc : 9.50G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 23 04:31:32 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)

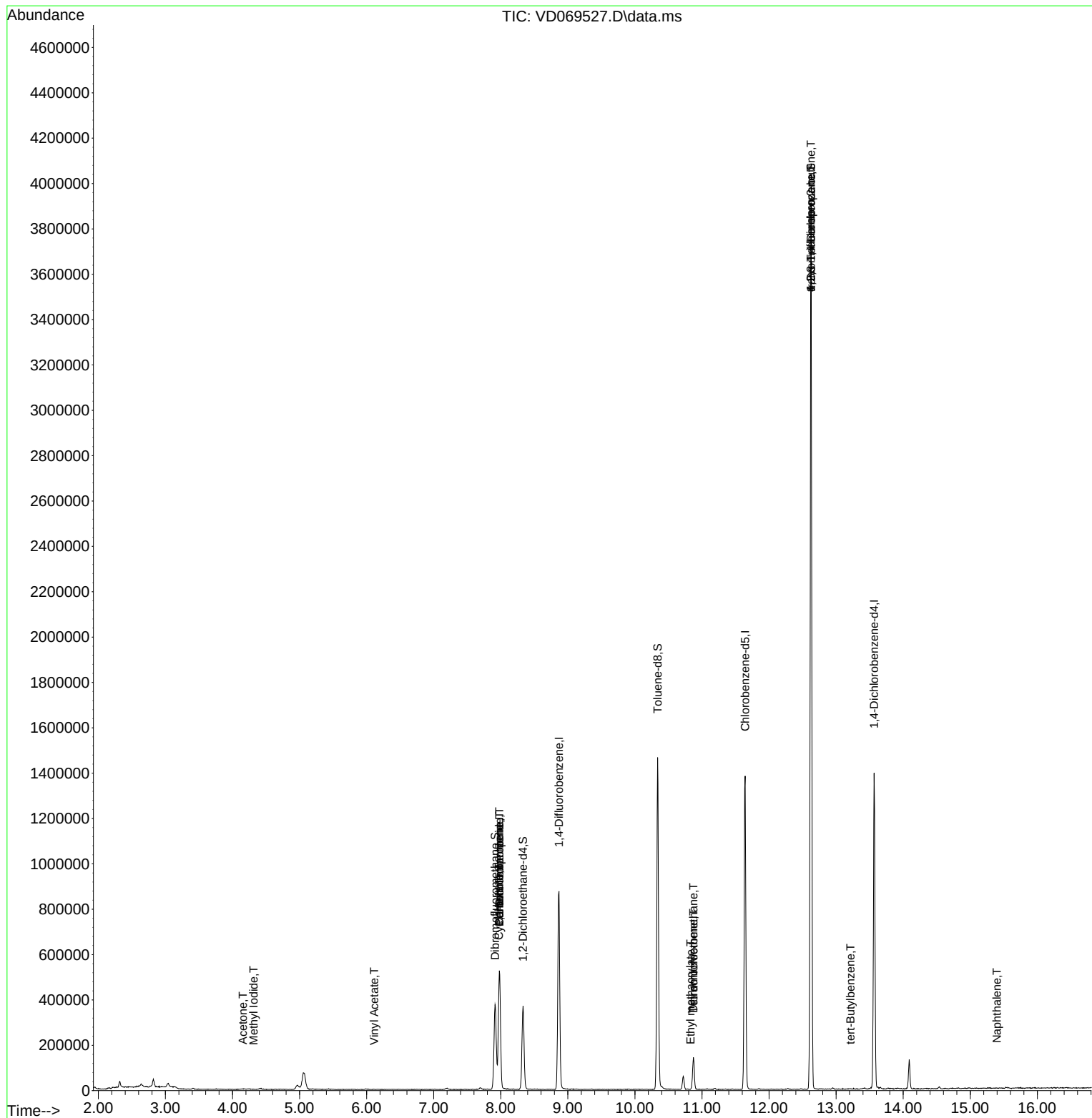
Internal Standards						
1) Pentafluorobenzene	7.979	168	366479	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	734194	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	797951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	355612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	292930	64.125	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.260%			
35) Dibromofluoromethane	7.914	113	280309	56.480	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.960%			
50) Toluene-d8	10.338	98	970019	52.107	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.220%			
62) 4-Bromofluorobenzene	12.626	95	415898	67.956	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 135.920%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	1446	Below Cal	#	73
10) Methyl Iodide	4.314	142	779	4.127	ug/l #	65
11) Tert butyl alcohol	5.179	59	1267	Below Cal		98
16) Acetone	4.156	43	4572	5.946	ug/l #	76
18) Methyl Acetate	4.732	43	1859	Below Cal		95
20) Methylene Chloride	4.967	84	14465	Below Cal		92
23) Vinyl Acetate	6.114	43	66	19.020	ug/l #	70
31) Cyclohexane	7.973	56	9603	1.561	ug/l #	49
36) 1,1-Dichloropropene	7.979	75	34724	4.819	ug/l #	49
38) Carbon Tetrachloride	7.979	117	40422	5.668	ug/l #	18
56) Ethyl methacrylate	10.832	69	101	2.602	ug/l #	1
60) Dibromochloromethane	10.873	129	29826	6.417	ug/l #	10
64) Tetrachloroethene	10.873	164	29231	5.833	ug/l	95
76) 1,2,3-Trichloropropane	12.626	75	237676	68.087	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	237676	170.003	ug/l #	14
83) tert-Butylbenzene	13.214	119	101	1.997	ug/l #	1
95) Naphthalene	15.396	128	829	3.424	ug/l #	69

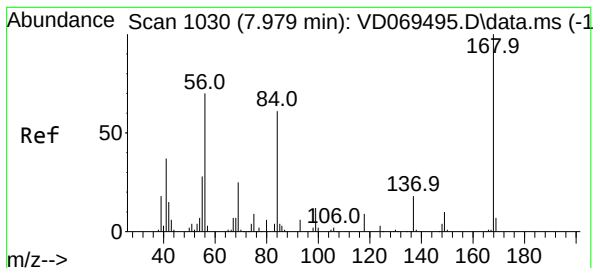
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.000 min

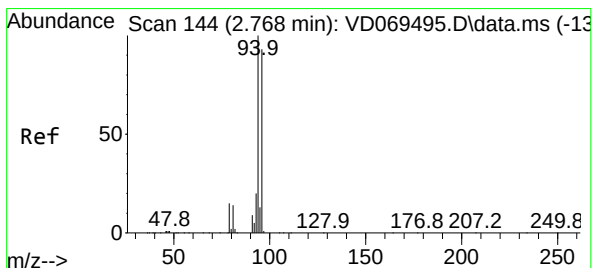
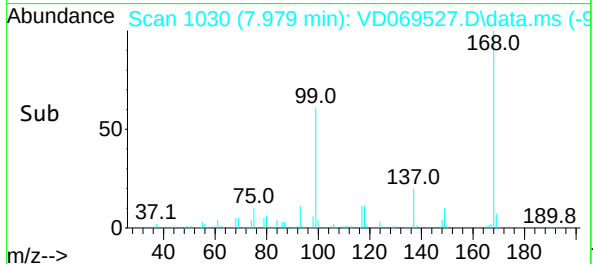
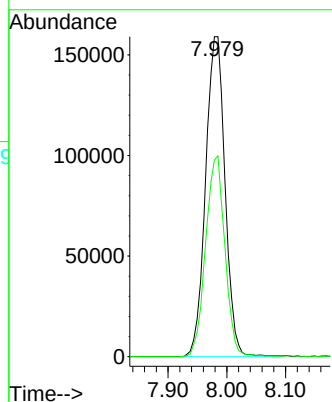
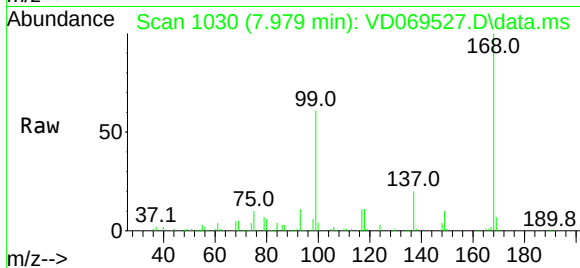
Lab File: VD069527.D

Acq: 22 Jun 2021 20:25

Tgt Ion:168 Resp: 366479

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
168	100		
99	61.5	49.3	73.9



#5

Bromomethane

Concen: Below Cal

RT: 2.779 min Scan# 146

Delta R.T. 0.011 min

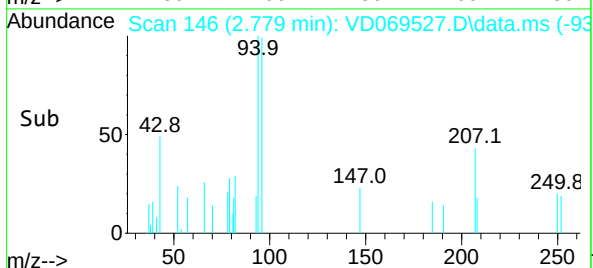
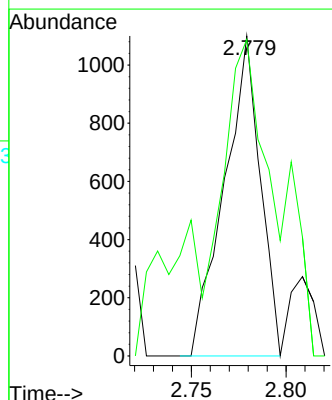
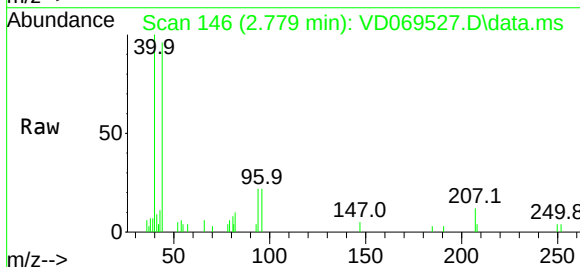
Lab File: VD069527.D

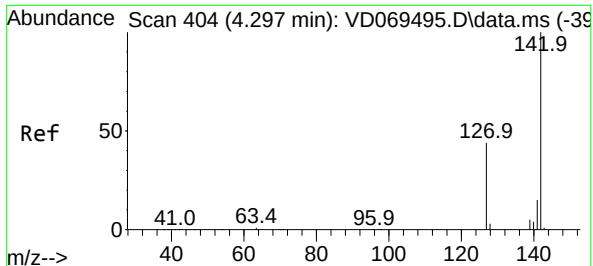
Acq: 22 Jun 2021 20:25

Tgt Ion: 94 Resp: 1446

Ion Ratio Lower Upper

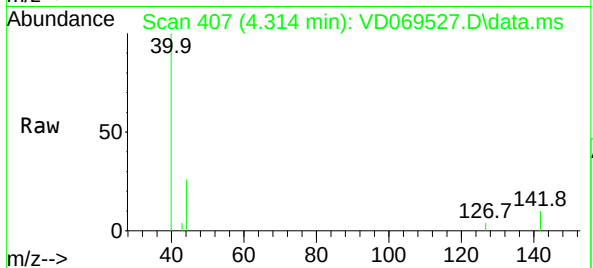
Ion	Ratio	Lower	Upper
94	100		
96	67.5	74.6	111.8#



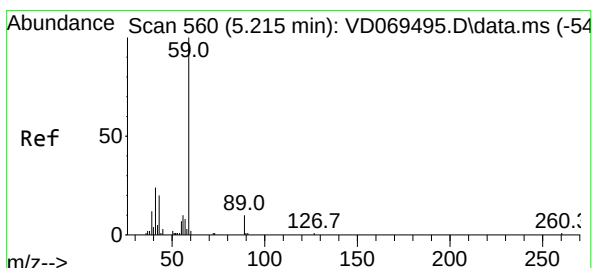
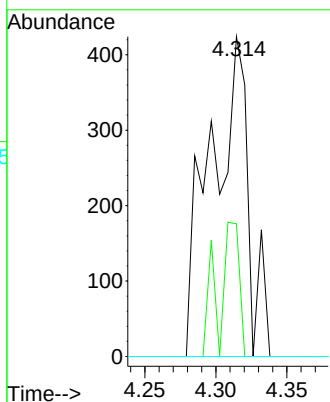
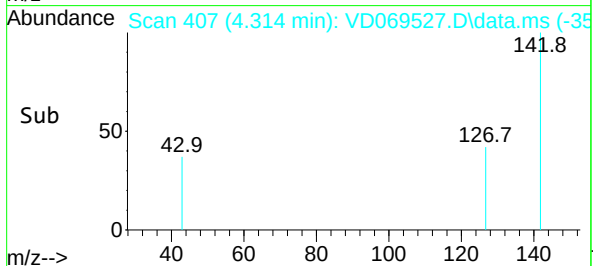


#10
Methyl Iodide
Concen: 4.127 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.017 min
Lab File: VD069527.D
Acq: 22 Jun 2021 20:25

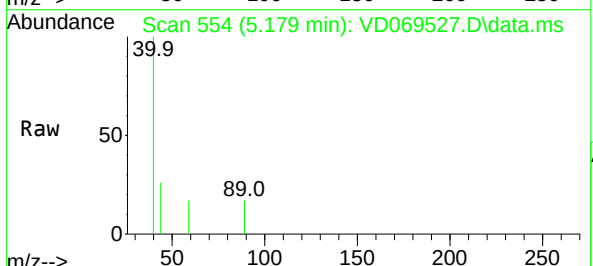
Instrument :
MSVOA_D
ClientSampled :



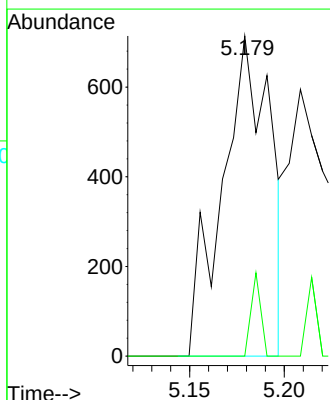
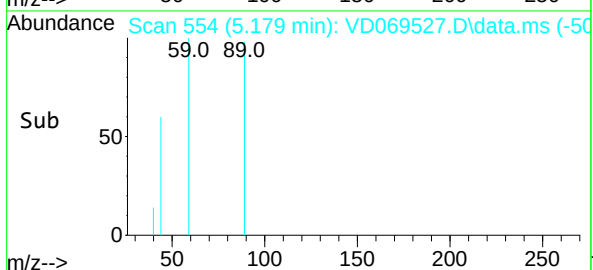
Tgt Ion:142 Resp: 779
Ion Ratio Lower Upper
142 100
127 23.0 36.5 54.7#
141 0.0 12.0 18.0#

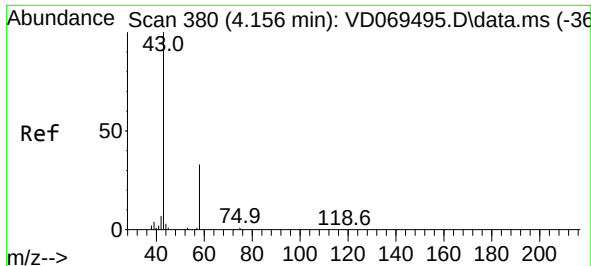


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.179 min Scan# 554
Delta R.T. -0.036 min
Lab File: VD069527.D
Acq: 22 Jun 2021 20:25



Tgt Ion: 59 Resp: 1267
Ion Ratio Lower Upper
59 100
57 5.2 4.6 7.0

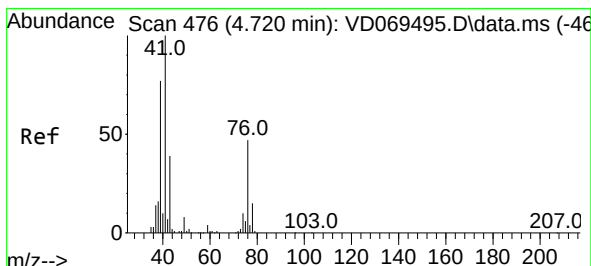
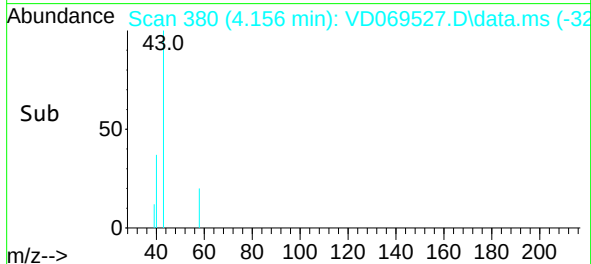
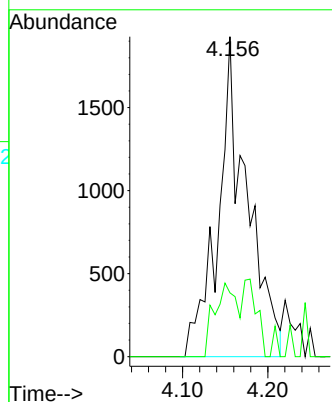
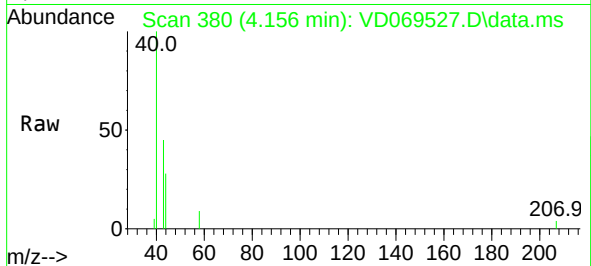




#16
Acetone
Concen: 5.946 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069527.D
Acq: 22 Jun 2021 20:25

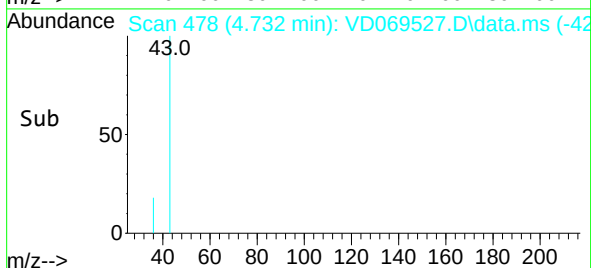
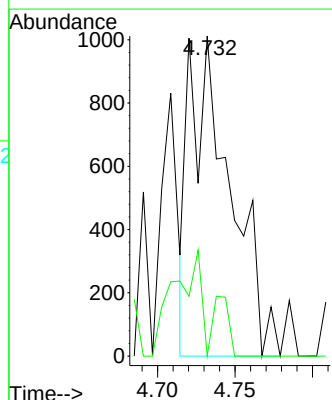
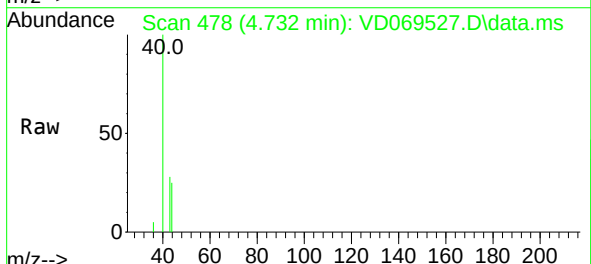
Instrument :
MSVOA_D
ClientSampleId :

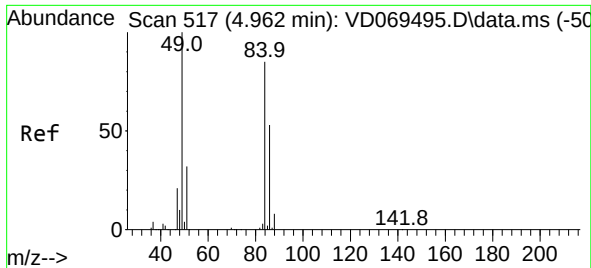
Tgt Ion: 43 Resp: 4572
Ion Ratio Lower Upper
43 100
58 19.9 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.732 min Scan# 478
Delta R.T. 0.012 min
Lab File: VD069527.D
Acq: 22 Jun 2021 20:25

Tgt Ion: 43 Resp: 1859
Ion Ratio Lower Upper
43 100
74 28.9 21.0 31.4





#20

Methylene Chloride

Concen: Below Cal

RT: 4.967 min Scan# 518

Delta R.T. 0.005 min

Lab File: VD069527.D

Acq: 22 Jun 2021 20:25

Tgt Ion: 84 Resp: 14465

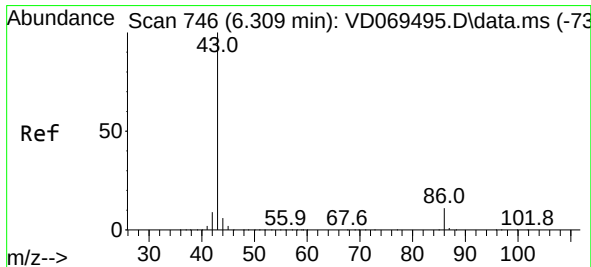
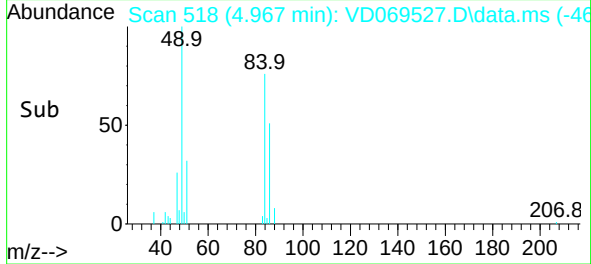
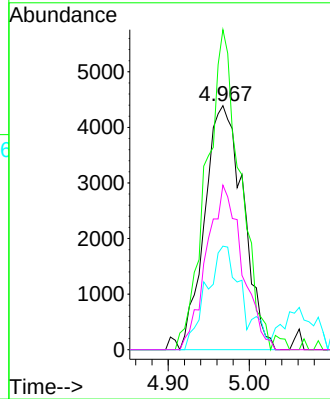
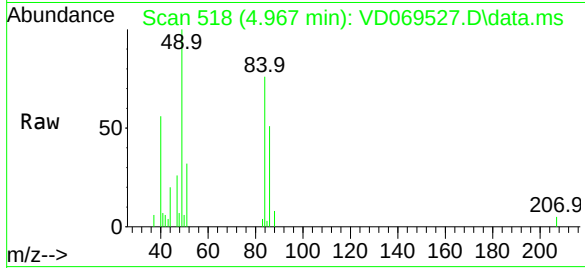
Ion Ratio Lower Upper

84 100

49 126.6 94.0 141.0

51 42.4 29.7 44.5

86 67.4 50.1 75.1



#23

Vinyl Acetate

Concen: 19.020 ug/l

RT: 6.114 min Scan# 713

Delta R.T. -0.195 min

Lab File: VD069527.D

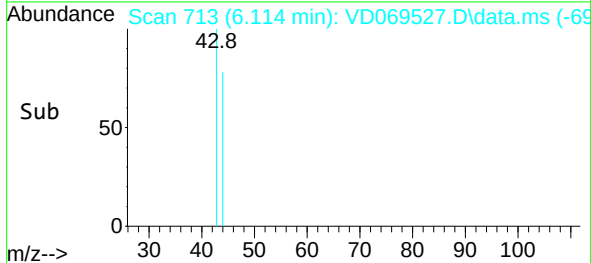
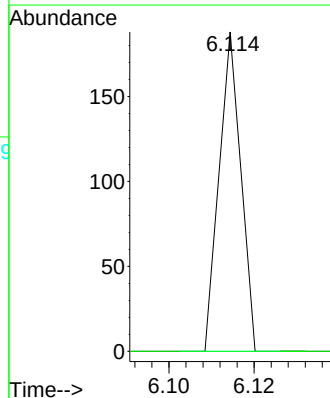
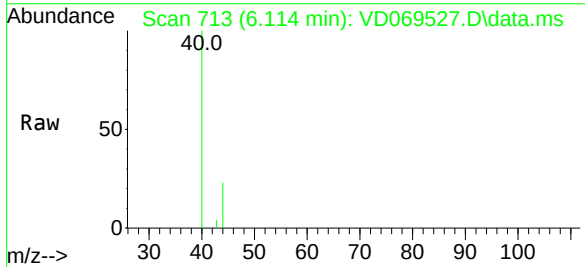
Acq: 22 Jun 2021 20:25

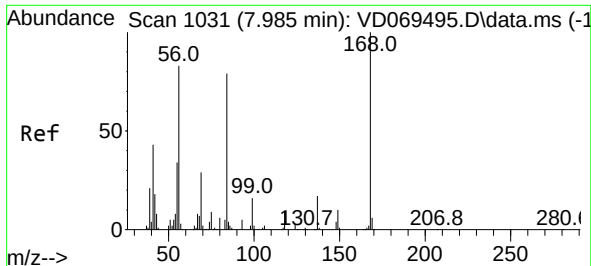
Tgt Ion: 43 Resp: 66

Ion Ratio Lower Upper

43 100

86 0.0 9.1 13.7#

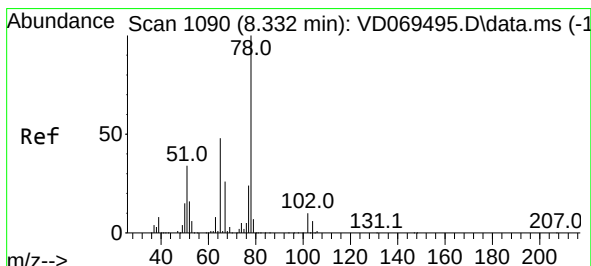
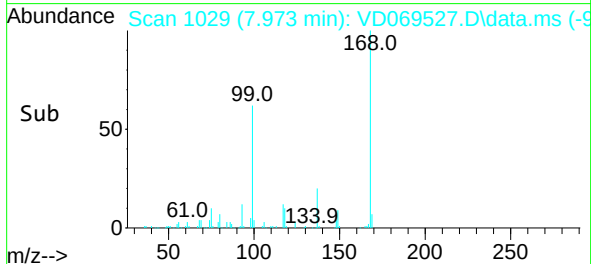
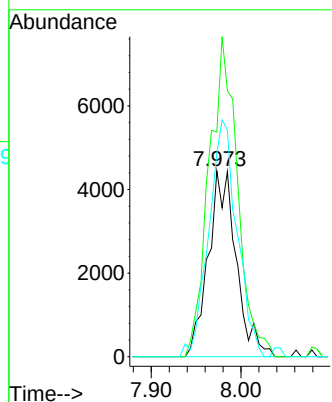
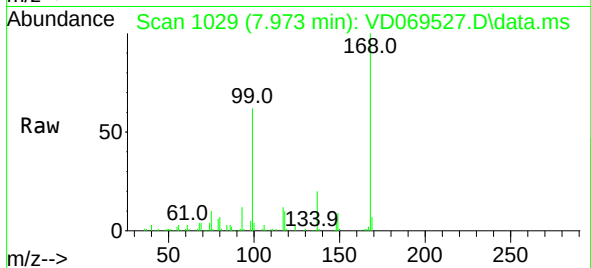




#31
Cyclohexane
Concen: 1.561 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069527.D
Acq: 22 Jun 2021 20:25

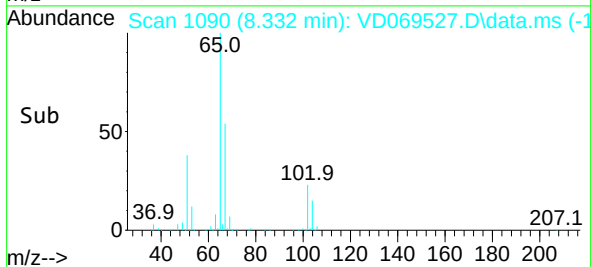
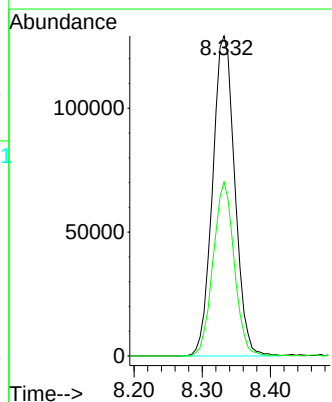
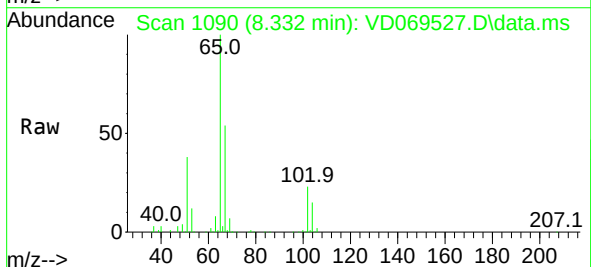
Instrument :
MSVOA_D
ClientSampleId :

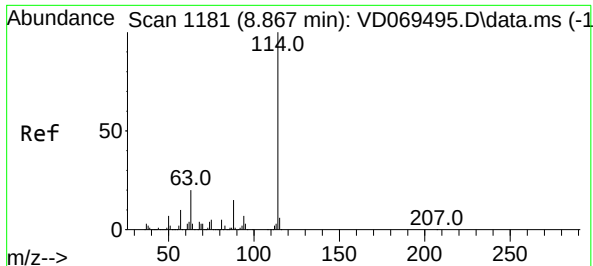
Tgt Ion: 56 Resp: 9603
Ion Ratio Lower Upper
56 100
69 120.9 28.0 42.0#
84 109.5 75.7 113.5



#33
1,2-Dichloroethane-d4
Concen: 64.125 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069527.D
Acq: 22 Jun 2021 20:25

Tgt Ion: 65 Resp: 292930
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.6

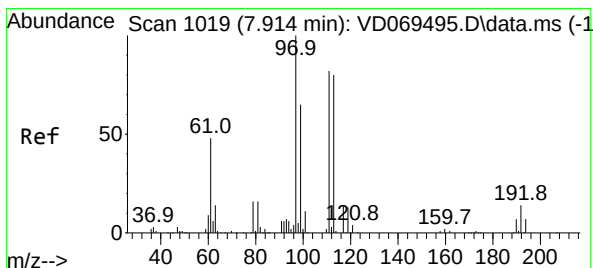
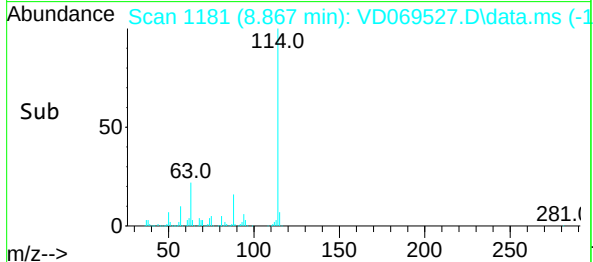
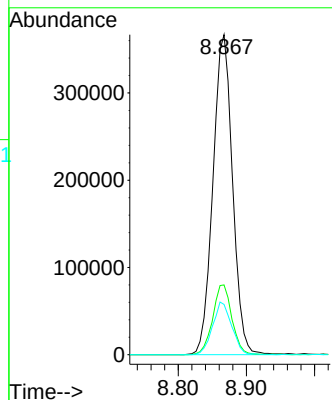
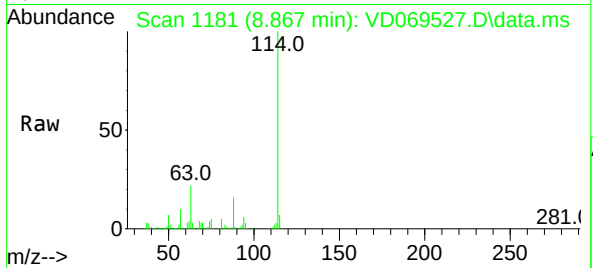




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069527.D
Acq: 22 Jun 2021 20:25

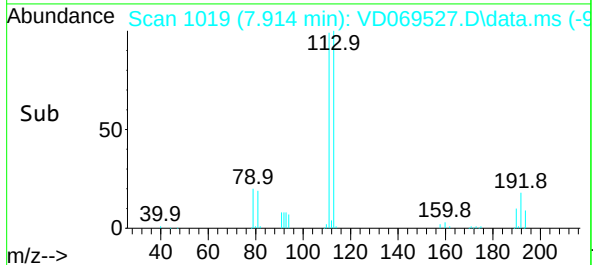
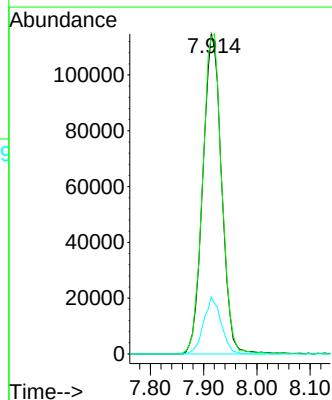
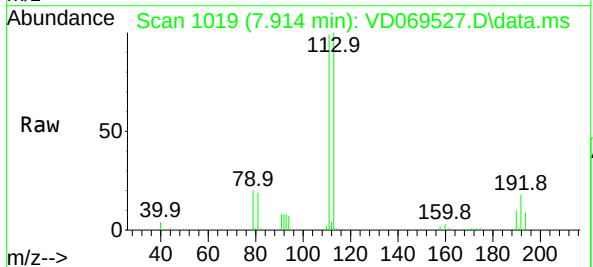
Instrument :
MSVOA_D
ClientSampled :

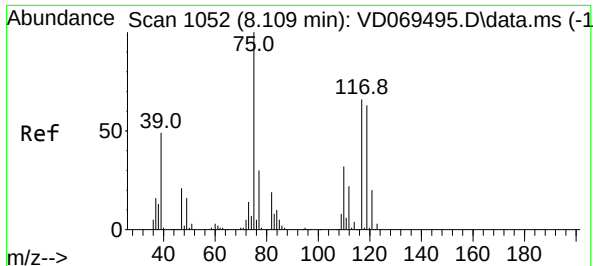
Tgt Ion:114 Resp: 734194
Ion Ratio Lower Upper
114 100
63 21.8 0.0 39.6
88 15.7 0.0 29.8



#35
Dibromofluoromethane
Concen: 56.480 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069527.D
Acq: 22 Jun 2021 20:25

Tgt Ion:113 Resp: 280309
Ion Ratio Lower Upper
113 100
111 101.7 81.8 122.8
192 16.6 13.8 20.6



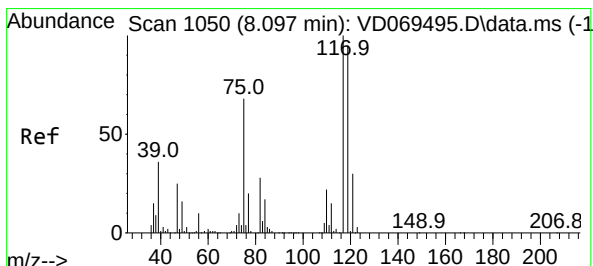
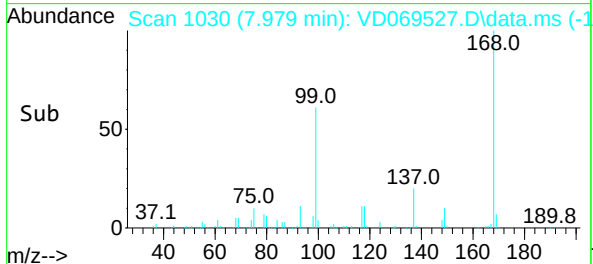
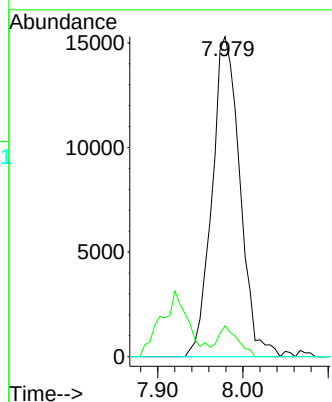
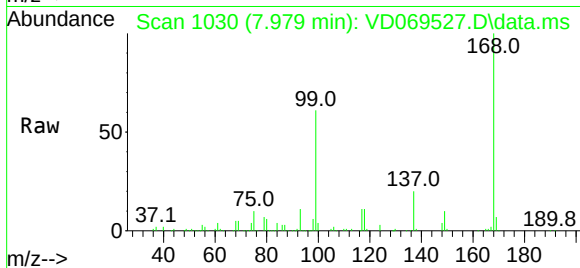


#36

1,1-Dichloropropene
Concen: 4.819 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069527.D
Acq: 22 Jun 2021 20:25

Instrument :
MSVOA_D
ClientSampleId :

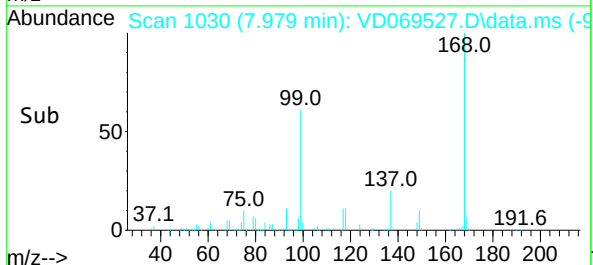
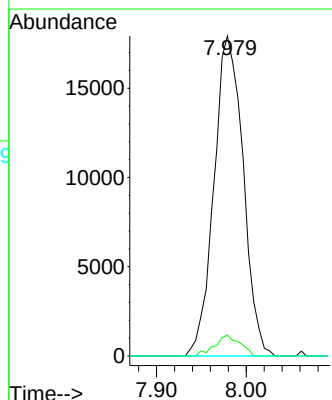
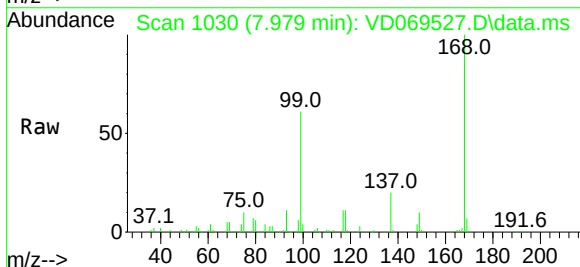
Tgt Ion: 75 Resp: 34724
Ion Ratio Lower Upper
75 100
110 6.8 16.8 50.4#
77 0.0 24.3 36.5#

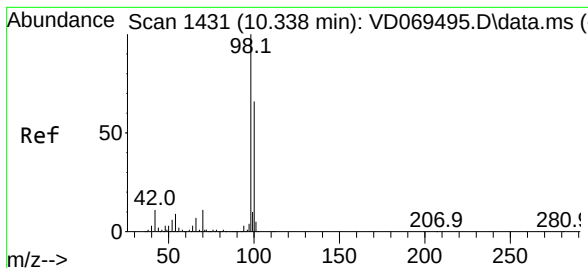


#38

Carbon Tetrachloride
Concen: 5.668 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069527.D
Acq: 22 Jun 2021 20:25

Tgt Ion: 117 Resp: 40422
Ion Ratio Lower Upper
117 100
119 6.6 75.6 113.4#
121 0.0 23.8 35.8#

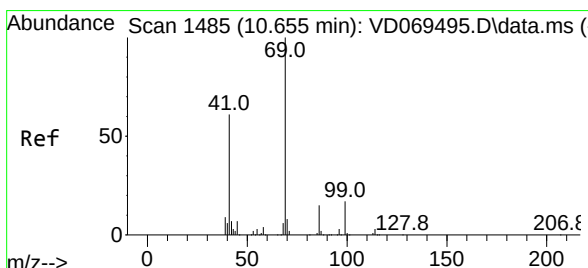
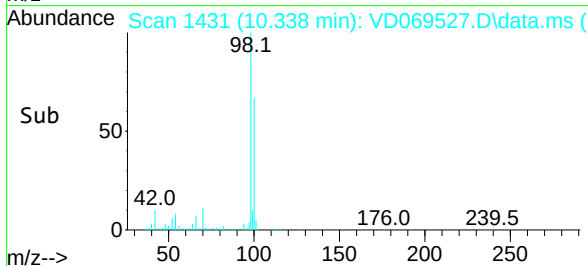
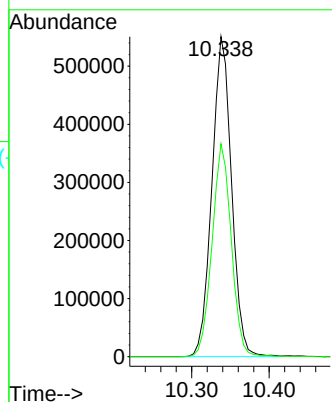
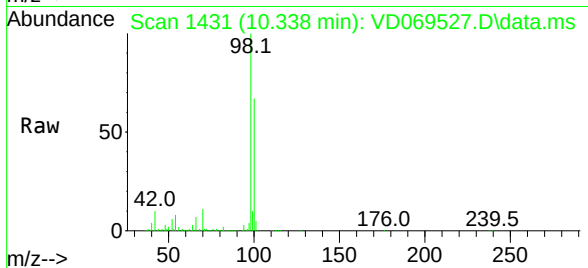




#50
Toluene-d8
Concen: 52.107 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069527.D
Acq: 22 Jun 2021 20:25

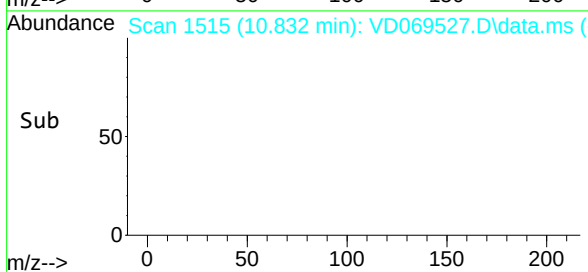
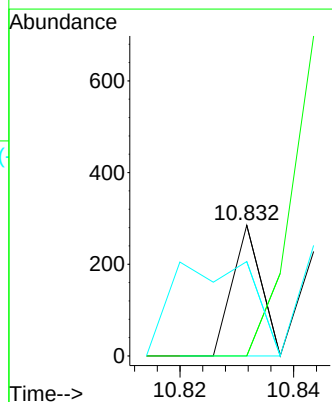
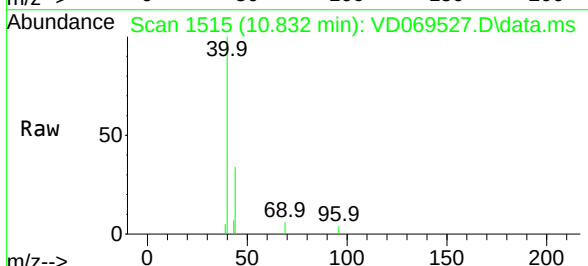
Instrument :
MSVOA_D
ClientSampleId :

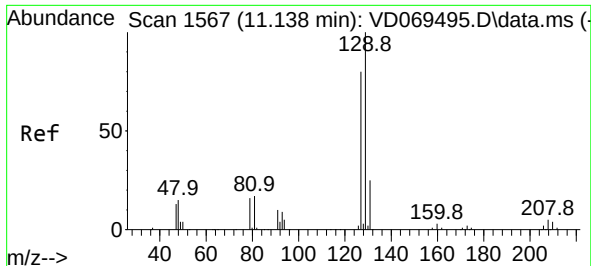
Tgt Ion: 98 Resp: 970019
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



#56
Ethyl methacrylate
Concen: 2.602 ug/l
RT: 10.832 min Scan# 1515
Delta R.T. 0.177 min
Lab File: VD069527.D
Acq: 22 Jun 2021 20:25

Tgt Ion: 69 Resp: 101
Ion Ratio Lower Upper
69 100
41 0.0 49.4 74.0#
39 200.0 26.9 40.3#

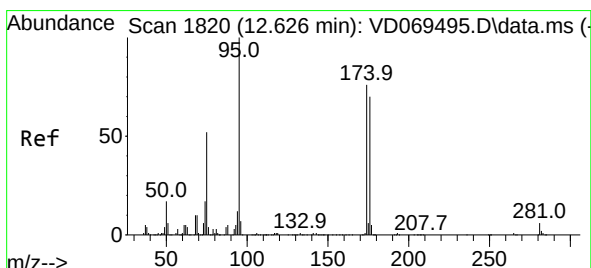
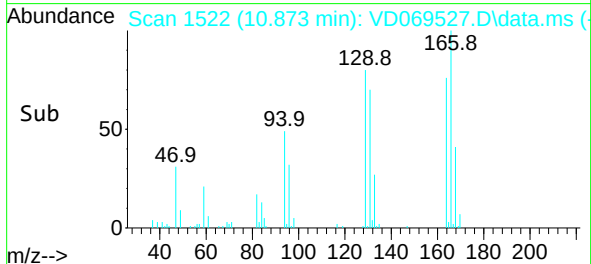
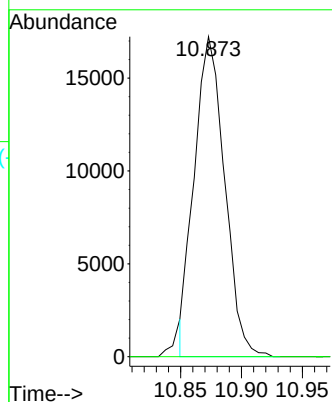
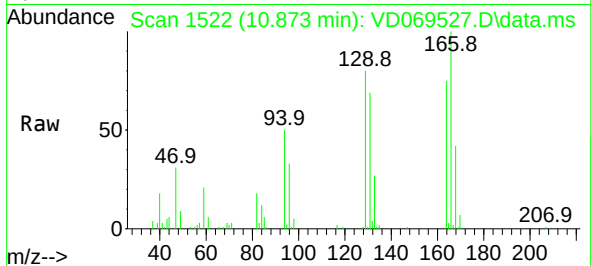




#60
Dibromochloromethane
Concen: 6.417 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.265 min
Lab File: VD069527.D
Acq: 22 Jun 2021 20:25

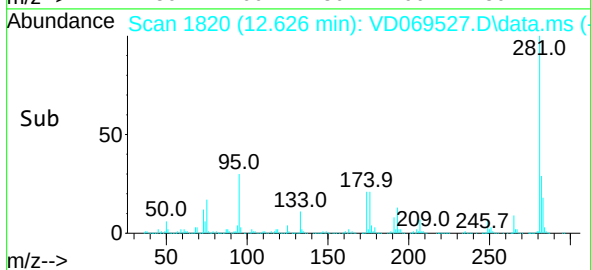
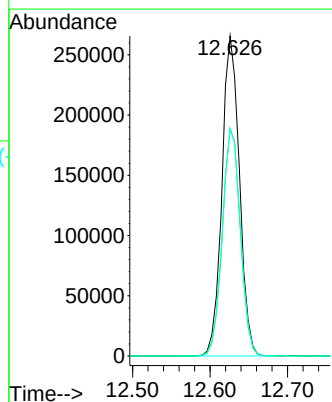
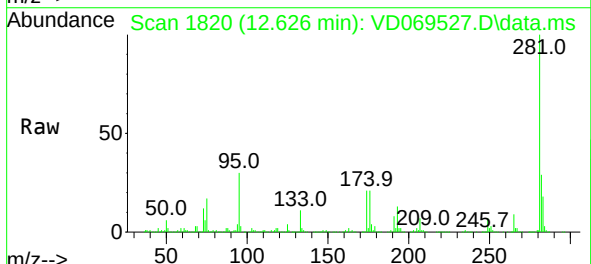
Instrument :
MSVOA_D
ClientSampleId :

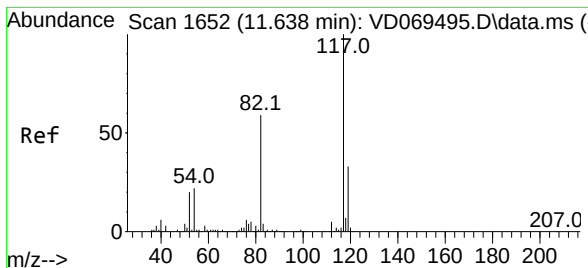
Tgt Ion:129 Resp: 29826
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#



#62
4-Bromofluorobenzene
Concen: 67.956 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069527.D
Acq: 22 Jun 2021 20:25

Tgt Ion: 95 Resp: 415898
Ion Ratio Lower Upper
95 100
174 73.4 0.0 148.0
176 73.6 0.0 139.8

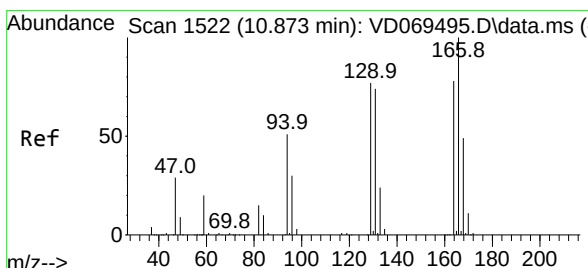
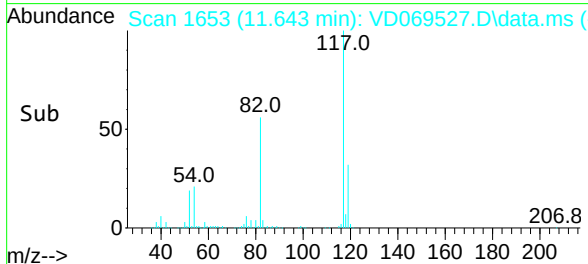
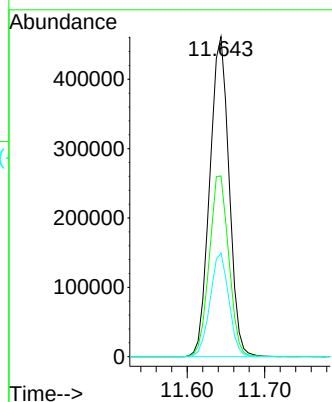
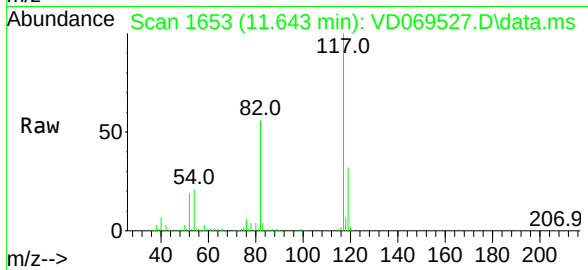




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069527.D
Acq: 22 Jun 2021 20:25

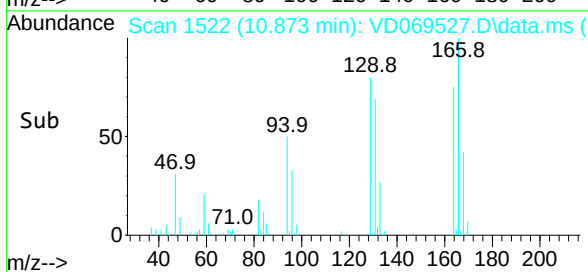
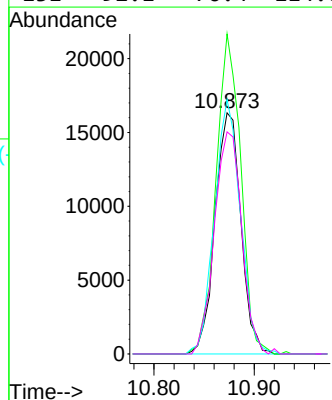
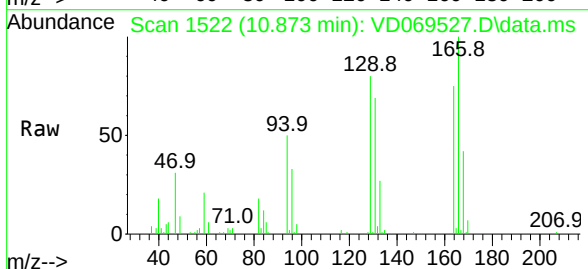
Instrument :
MSVOA_D
ClientSampleId :

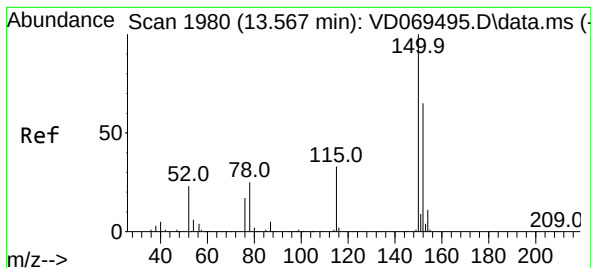
Tgt Ion:	117	Resp:	797951
Ion	Ratio	Lower	Upper
117	100		
82	56.5	46.8	70.2
119	32.4	26.2	39.2



#64
Tetrachloroethene
Concen: 5.833 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.000 min
Lab File: VD069527.D
Acq: 22 Jun 2021 20:25

Tgt Ion:	164	Resp:	29231
Ion	Ratio	Lower	Upper
164	100		
166	132.7	102.6	153.8
129	105.5	79.1	118.7
131	92.1	76.4	114.6

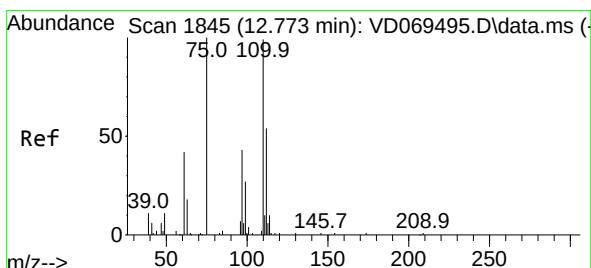
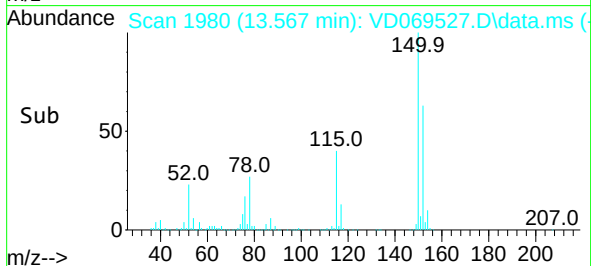
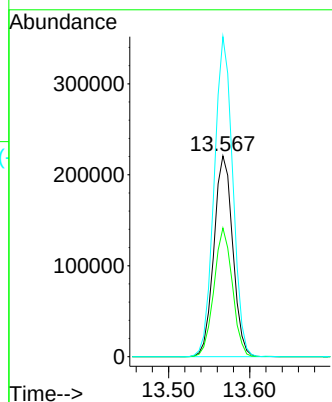
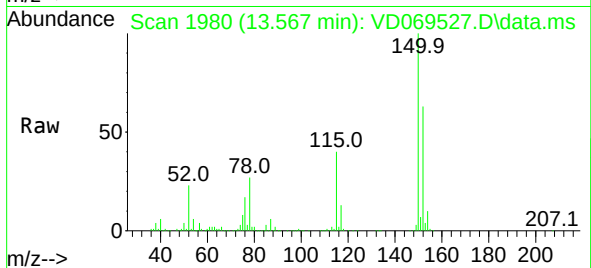




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069527.D
 Acq: 22 Jun 2021 20:25

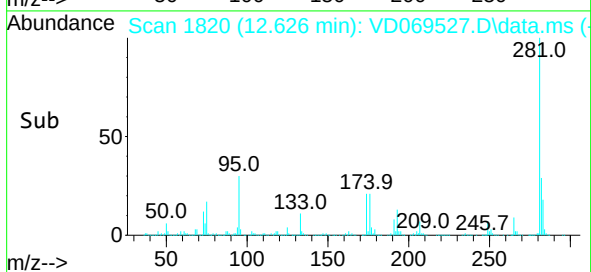
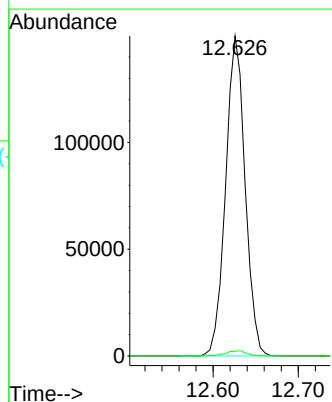
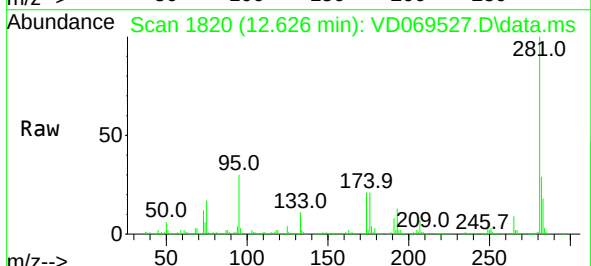
Instrument :
 MSVOA_D
 ClientSampleId :

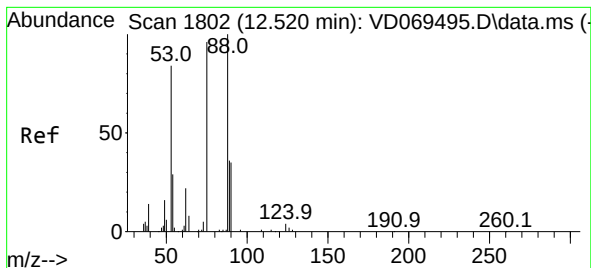
Tgt Ion:152 Resp: 355612
 Ion Ratio Lower Upper
 152 100
 115 62.5 31.7 95.1
 150 157.3 0.0 350.8



#76
 1,2,3-Trichloropropane
 Concen: 68.087 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069527.D
 Acq: 22 Jun 2021 20:25

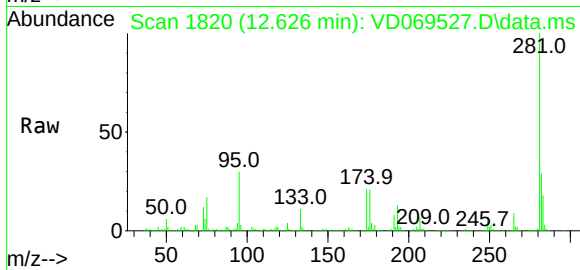
Tgt Ion: 75 Resp: 237676
 Ion Ratio Lower Upper
 75 100
 77 1.7 162.6 487.8#



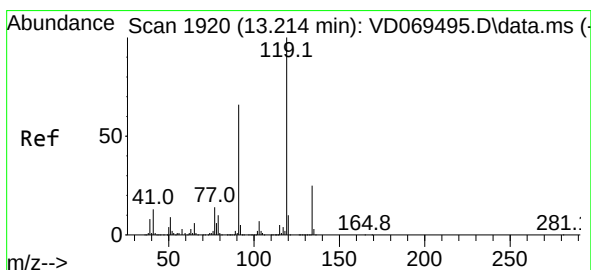
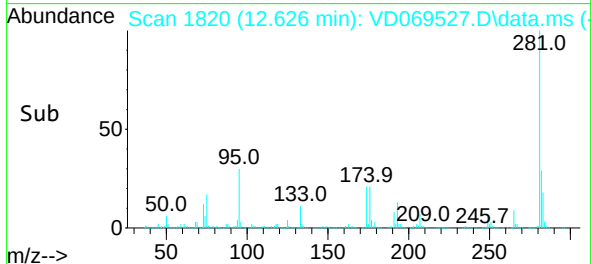
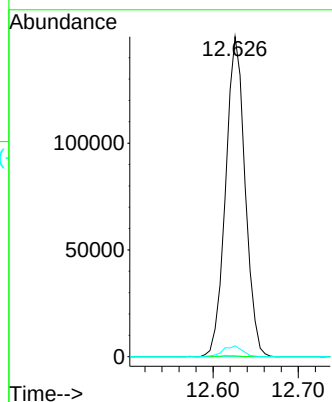


#81
 trans-1,4-Dichloro-2-butene
 Concen: 170.003 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069527.D
 Acq: 22 Jun 2021 20:25

Instrument :
 MSVOA_D
 ClientSampleId :

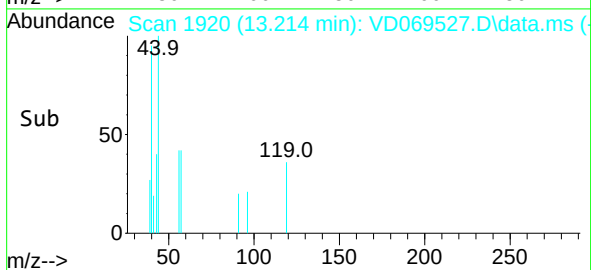
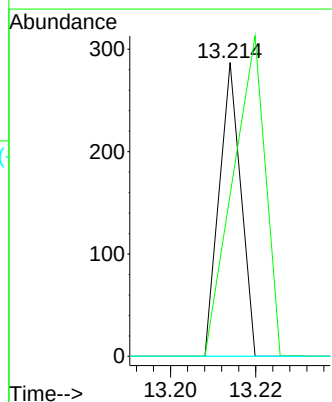
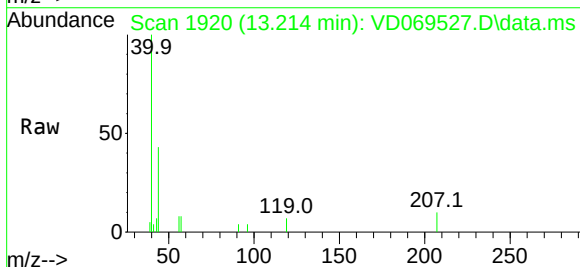


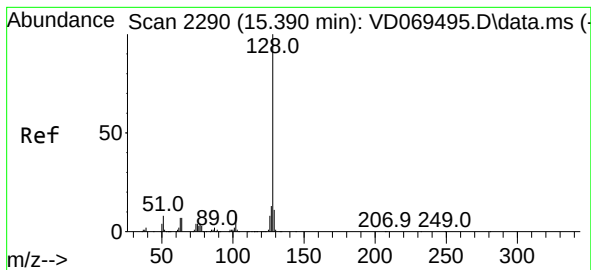
Tgt Ion: 75 Resp: 237676
 Ion Ratio Lower Upper
 75 100
 53 0.3 74.6 112.0#
 89 3.4 35.3 52.9#



#83
 tert-Butylbenzene
 Concen: 1.997 ug/l
 RT: 13.214 min Scan# 1920
 Delta R.T. -0.000 min
 Lab File: VD069527.D
 Acq: 22 Jun 2021 20:25

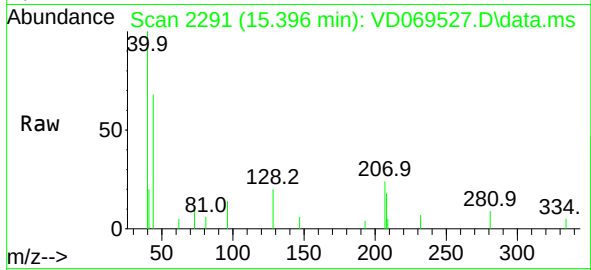
Tgt Ion: 119 Resp: 101
 Ion Ratio Lower Upper
 119 100
 91 164.4 32.5 97.4#
 134 0.0 12.9 38.7#





#95
Naphthalene
Concen: 3.424 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.006 min
Lab File: VD069527.D
Acq: 22 Jun 2021 20:25

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 829
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

