

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062221\
 Data File : VD069519.D
 Acq On : 22 Jun 2021 16:41
 Operator : VA/SY
 Sample : M2773-05
 Misc : 3.47G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 23 04:29:12 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)

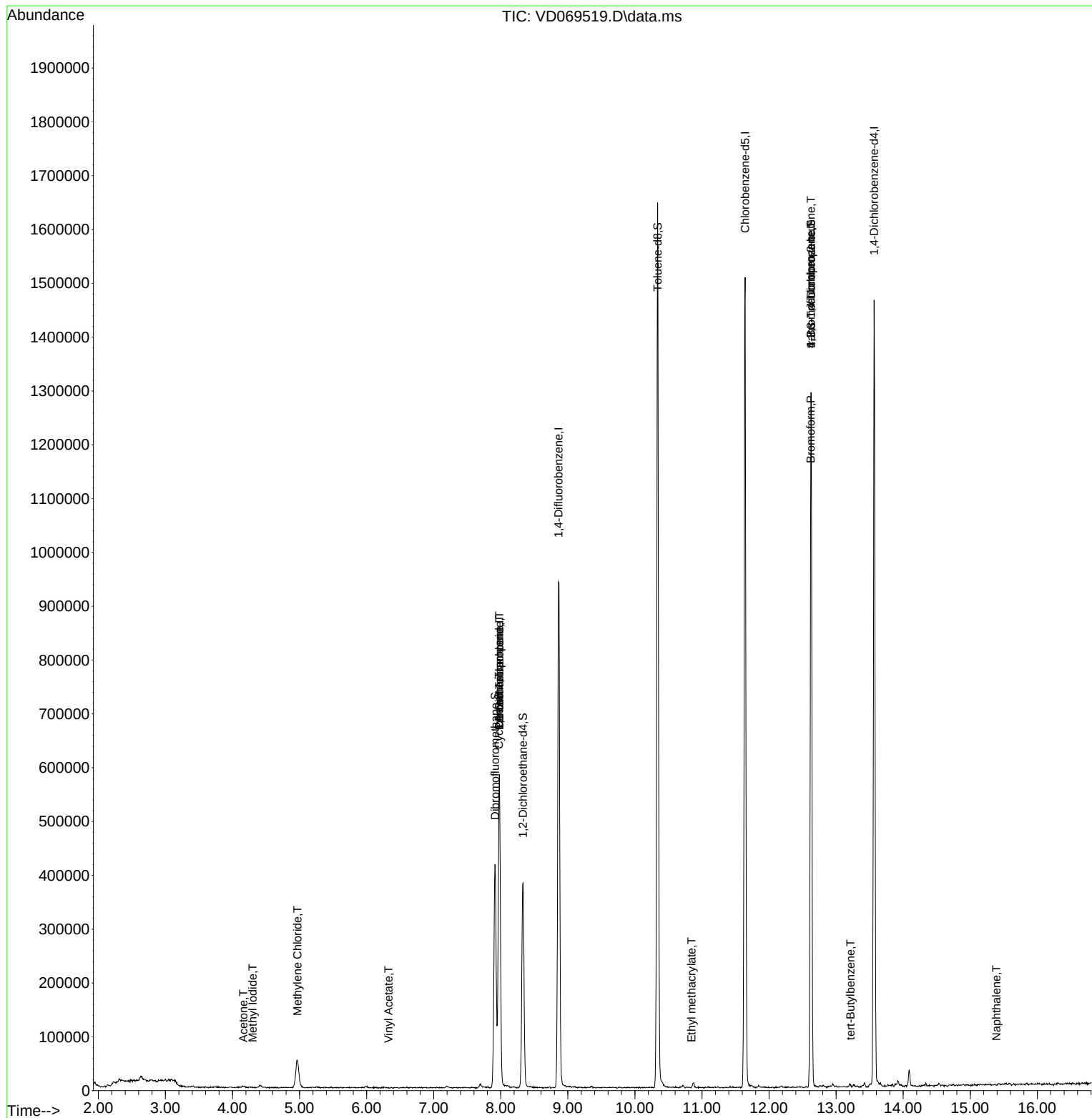
Internal Standards						
1) Pentafluorobenzene	7.979	168	397510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	816008	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	861494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	371954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	317280	64.034	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.060%			
35) Dibromofluoromethane	7.914	113	306642	55.591	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.180%			
50) Toluene-d8	10.338	98	1071446	51.785	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.560%			
62) 4-Bromofluorobenzene	12.626	95	372926	54.825	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.660%			
Target Compounds						Qvalue
5) Bromomethane	2.785	94	1296	Below Cal		83
10) Methyl Iodide	4.303	142	142	3.972 ug/l #		39
11) Tert butyl alcohol	5.238	59	660	Below Cal #		83
16) Acetone	4.162	43	4832	5.794 ug/l		93
18) Methyl Acetate	4.779	43	70	Below Cal #		49
20) Methylene Chloride	4.967	84	41088	1.559 ug/l		94
23) Vinyl Acetate	6.326	43	66	19.019 ug/l #		70
31) Cyclohexane	7.973	56	10995	1.648 ug/l #		25
36) 1,1-Dichloropropene	7.979	75	35862	4.478 ug/l #		50
38) Carbon Tetrachloride	7.979	117	42529	5.366 ug/l #		18
56) Ethyl methacrylate	10.844	69	162	2.611 ug/l #		1
71) Bromoform	12.620	173	3275	1.037 ug/l #		28
76) 1,2,3-Trichloropropane	12.626	75	191006	52.313 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	191006	130.619 ug/l #		13
83) tert-Butylbenzene	13.214	119	929	2.038 ug/l #		75
95) Naphthalene	15.390	128	628	3.405 ug/l #		69

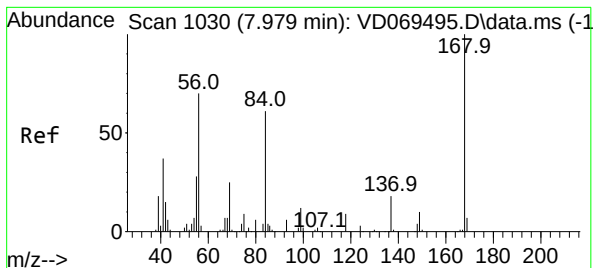
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD069519.D

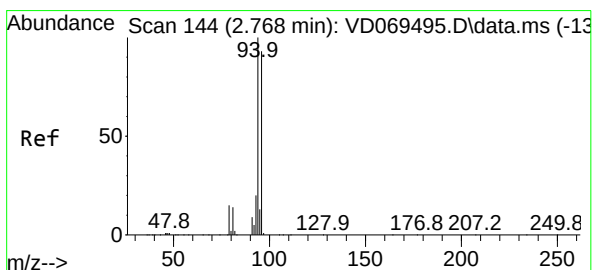
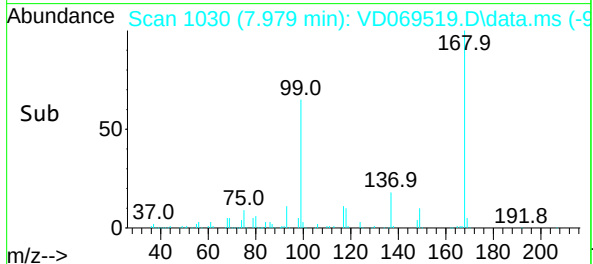
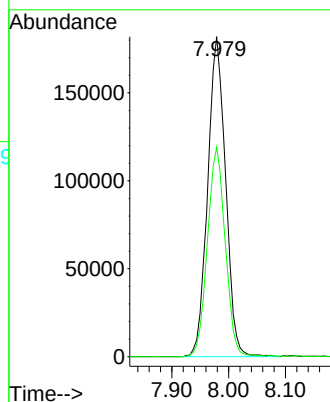
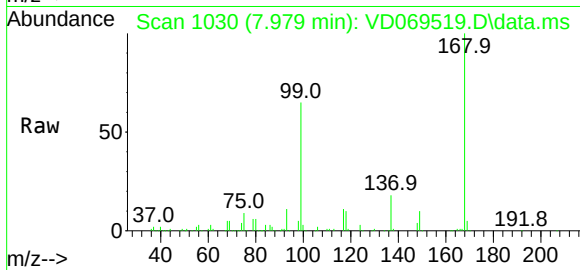
Acq: 22 Jun 2021 16:41

Tgt Ion:168 Resp: 397510

Ion Ratio Lower Upper

168 100

99 65.5 49.3 73.9



#5

Bromomethane

Concen: Below Cal

RT: 2.785 min Scan# 147

Delta R.T. 0.017 min

Lab File: VD069519.D

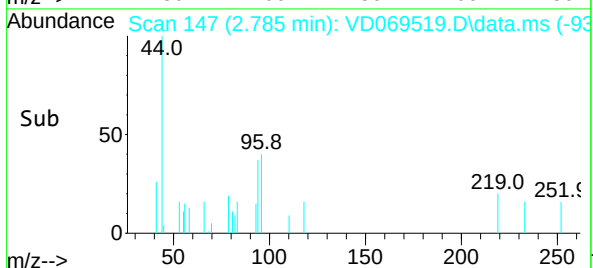
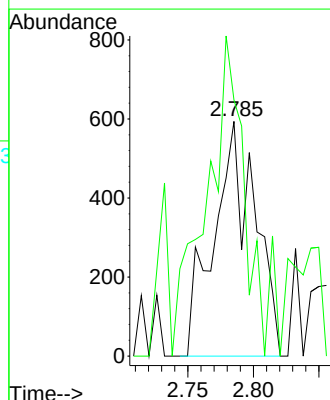
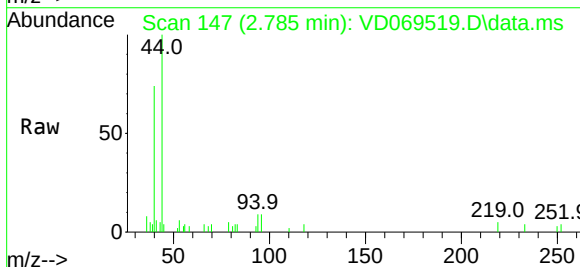
Acq: 22 Jun 2021 16:41

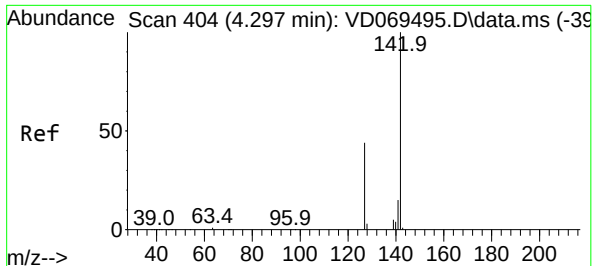
Tgt Ion: 94 Resp: 1296

Ion Ratio Lower Upper

94 100

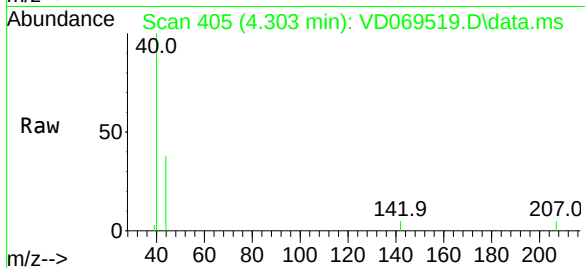
96 109.1 74.6 111.8



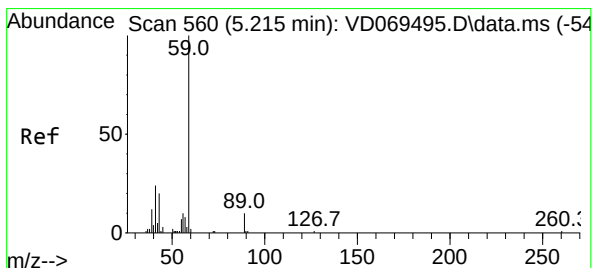
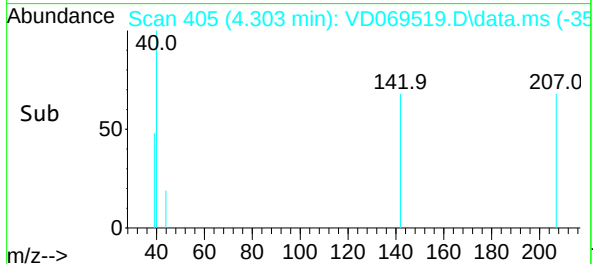
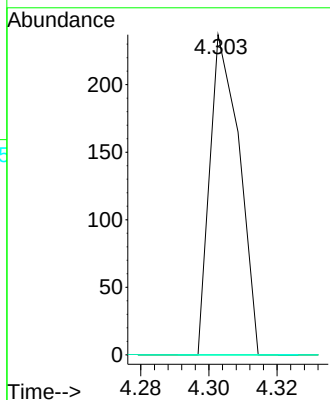


#10
Methyl Iodide
Concen: 3.972 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069519.D
Acq: 22 Jun 2021 16:41

Instrument :
MSVOA_D
ClientSampleId :

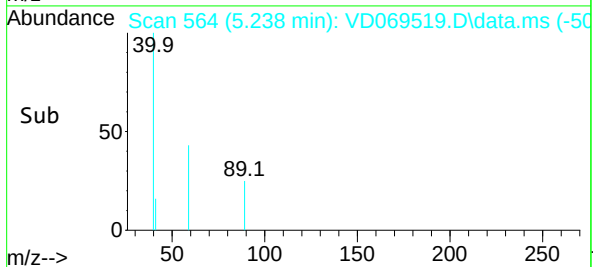
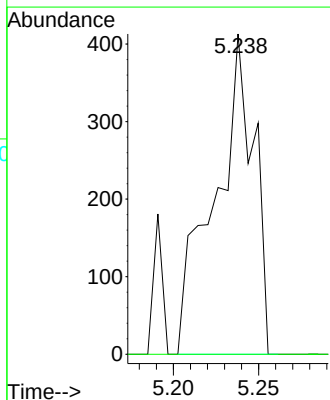
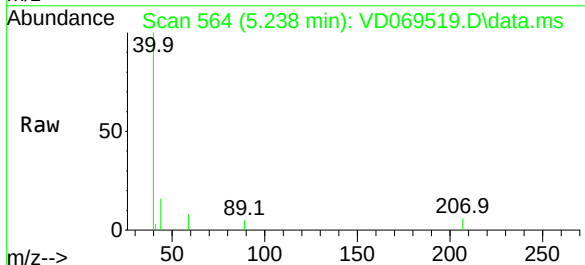


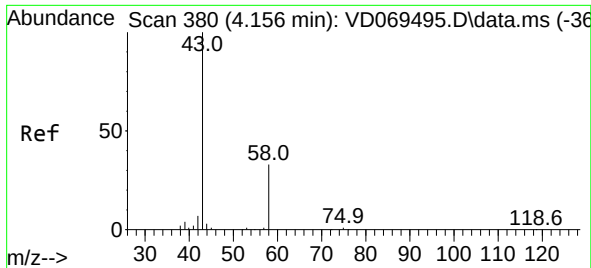
Tgt Ion:142 Resp: 142
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.238 min Scan# 564
Delta R.T. 0.023 min
Lab File: VD069519.D
Acq: 22 Jun 2021 16:41

Tgt Ion: 59 Resp: 660
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

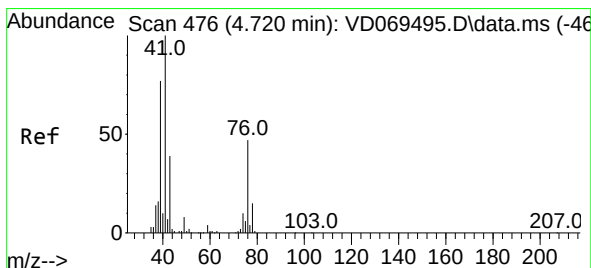
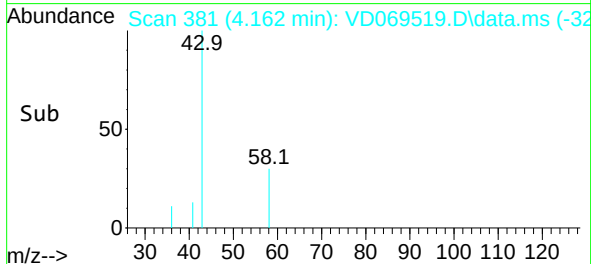
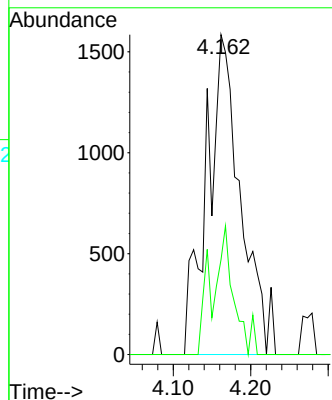
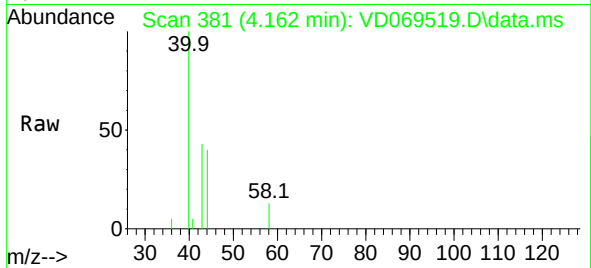




#16
Acetone
Concen: 5.794 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069519.D
Acq: 22 Jun 2021 16:41

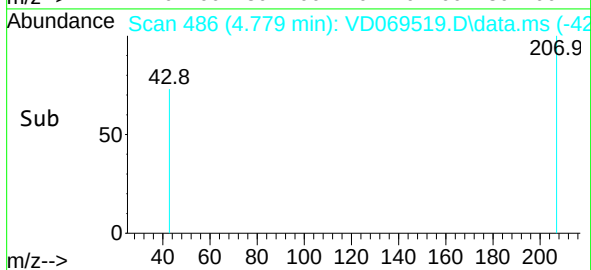
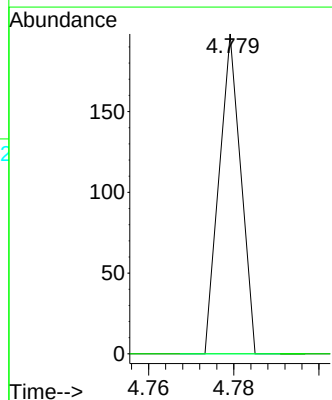
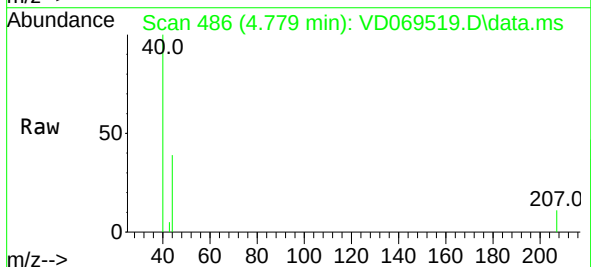
Instrument :
MSVOA_D
ClientSampled :

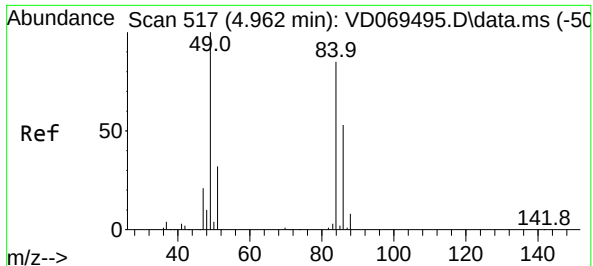
Tgt Ion: 43 Resp: 4832
Ion Ratio Lower Upper
43 100
58 29.7 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.779 min Scan# 486
Delta R.T. 0.059 min
Lab File: VD069519.D
Acq: 22 Jun 2021 16:41

Tgt Ion: 43 Resp: 70
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#





#20

Methylene Chloride

Concen: 1.559 ug/l

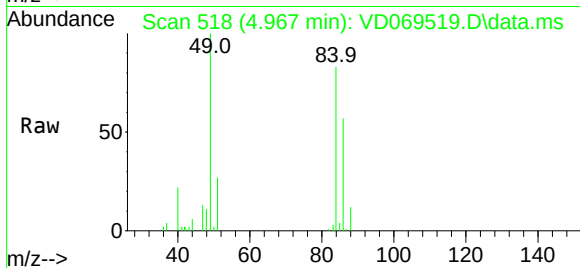
RT: 4.967 min Scan# 518

Delta R.T. 0.005 min

Lab File: VD069519.D

Acq: 22 Jun 2021 16:41

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 41088

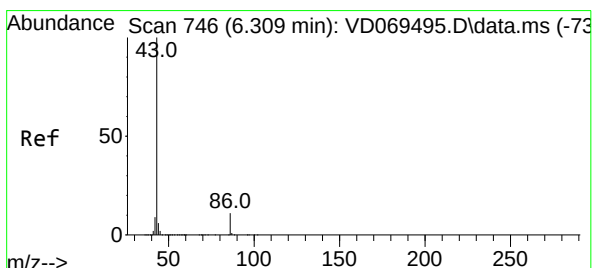
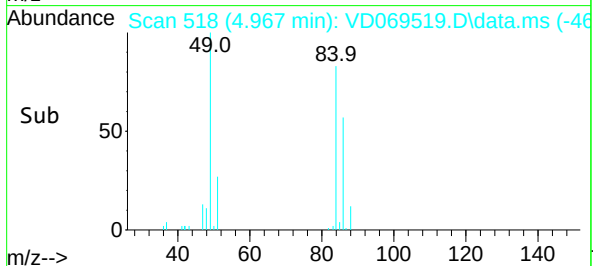
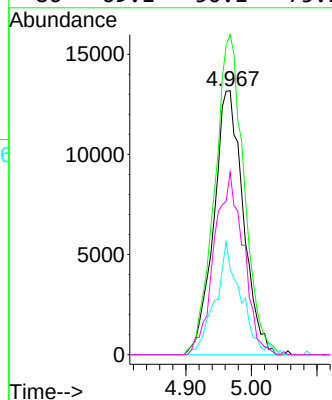
Ion Ratio Lower Upper

84 100

49 121.2 94.0 141.0

51 32.6 29.7 44.5

86 69.1 50.1 75.1



#23

Vinyl Acetate

Concen: 19.019 ug/l

RT: 6.326 min Scan# 749

Delta R.T. 0.017 min

Lab File: VD069519.D

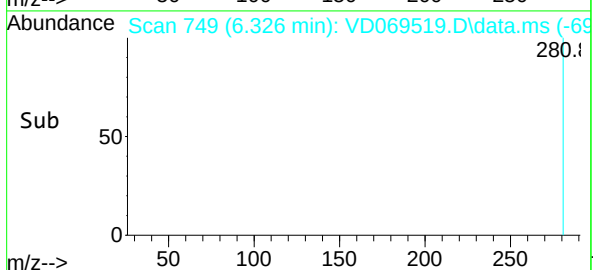
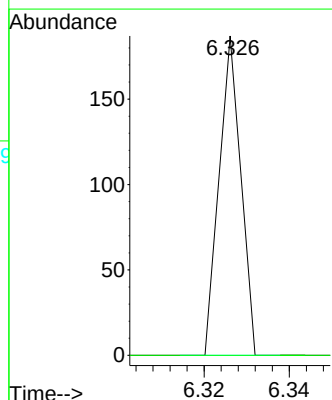
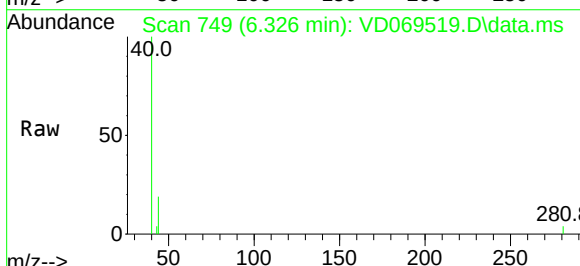
Acq: 22 Jun 2021 16:41

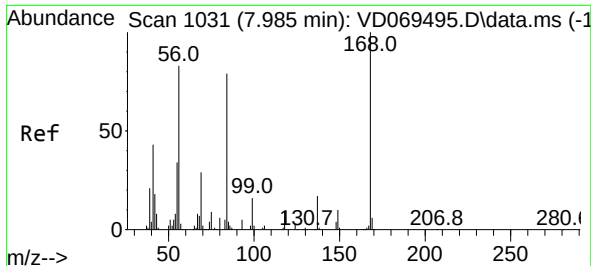
Tgt Ion: 43 Resp: 66

Ion Ratio Lower Upper

43 100

86 0.0 9.1 13.7#

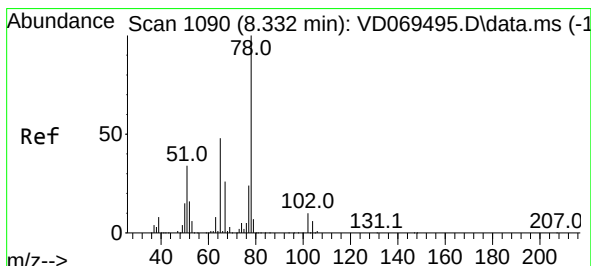
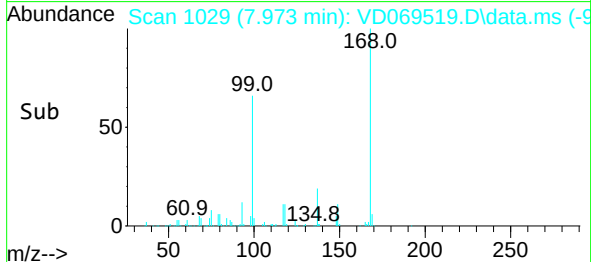
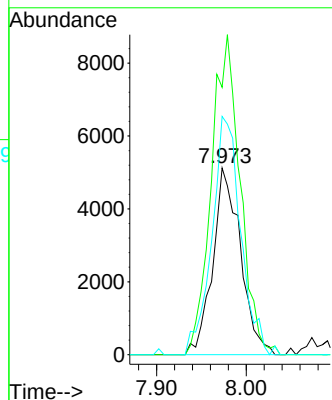
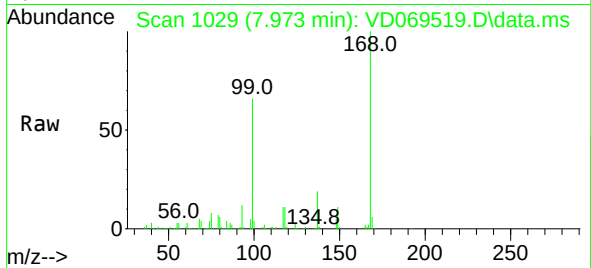




#31
Cyclohexane
Concen: 1.648 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069519.D
Acq: 22 Jun 2021 16:41

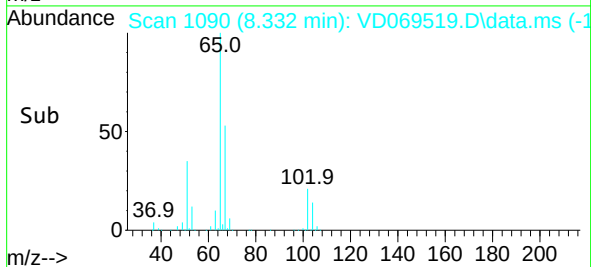
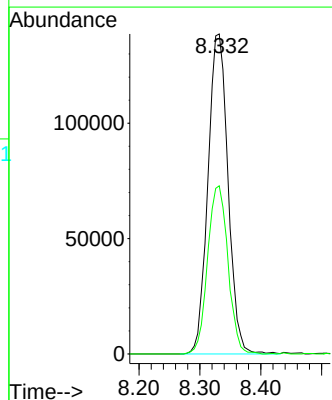
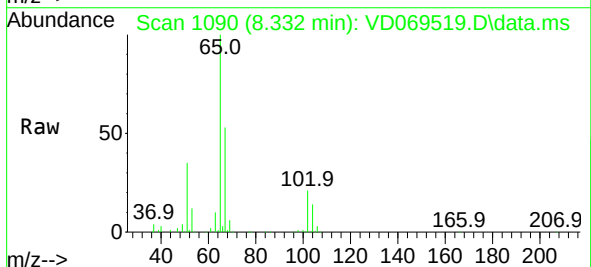
Instrument :
MSVOA_D
ClientSampleId :

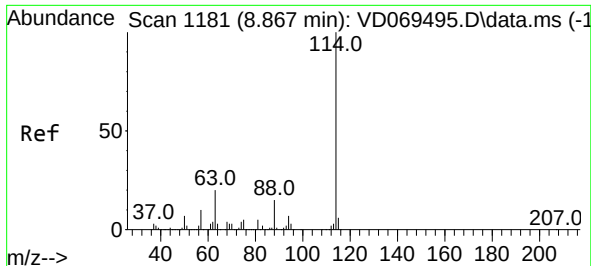
Tgt Ion: 56 Resp: 10995
Ion Ratio Lower Upper
56 100
69 143.1 28.0 42.0#
84 127.6 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 64.034 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069519.D
Acq: 22 Jun 2021 16:41

Tgt Ion: 65 Resp: 317280
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.6



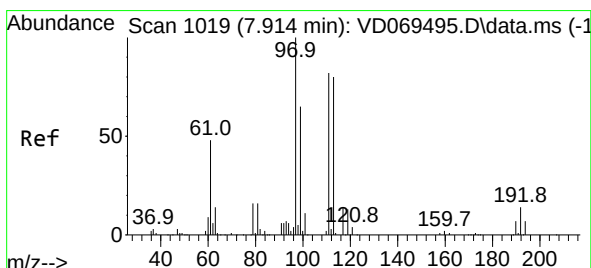
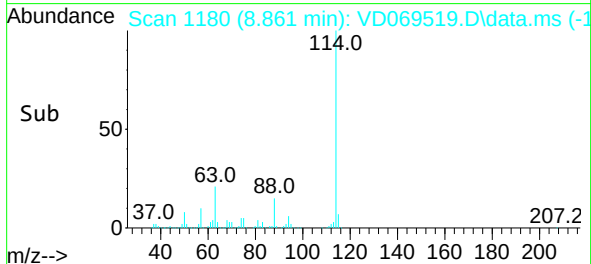
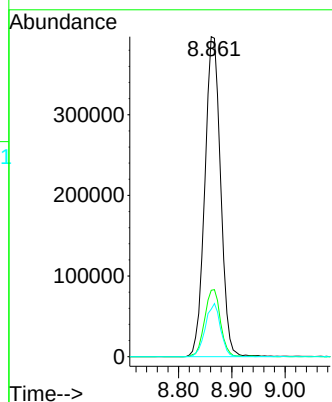
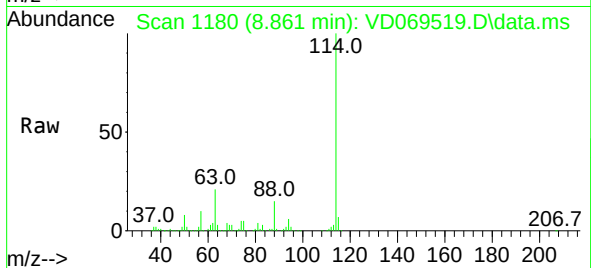


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069519.D
Acq: 22 Jun 2021 16:41

Instrument :
MSVOA_D
ClientSampleId :

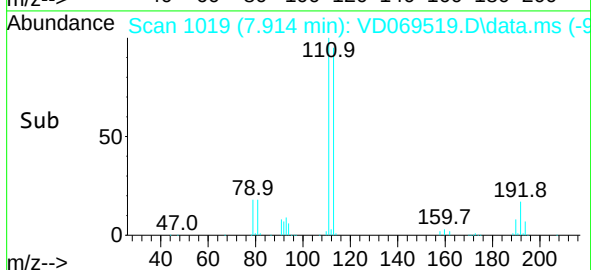
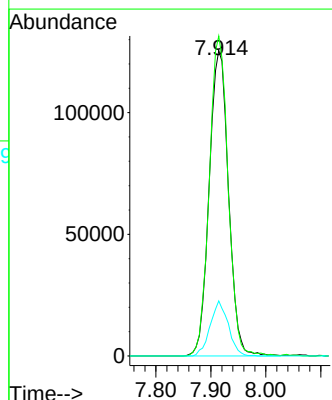
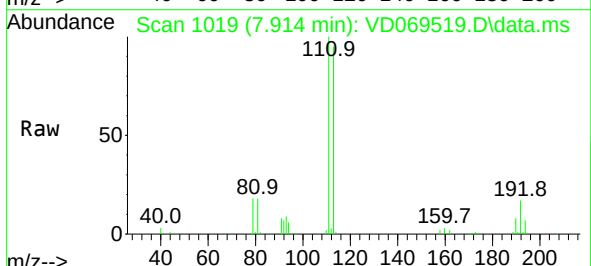
Tgt Ion:114 Resp: 816008
Ion Ratio Lower Upper
114 100
63 20.7 0.0 39.6
88 14.9 0.0 29.8

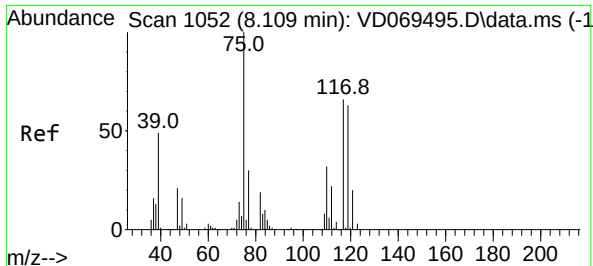


#35

Dibromofluoromethane
Concen: 55.591 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069519.D
Acq: 22 Jun 2021 16:41

Tgt Ion:113 Resp: 306642
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.8
192 16.9 13.8 20.6

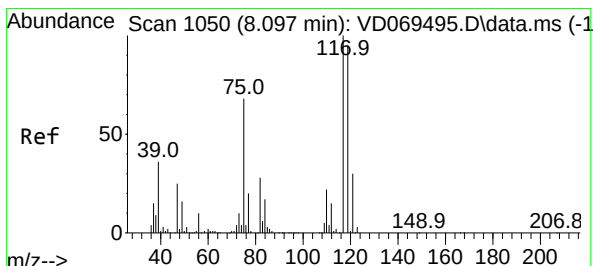
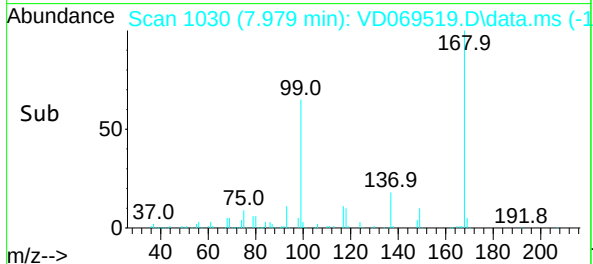
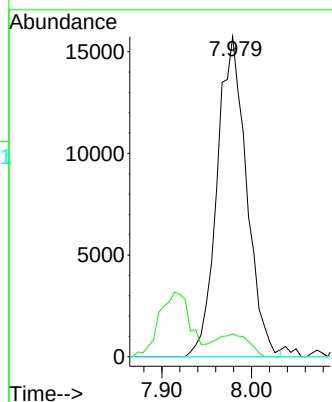
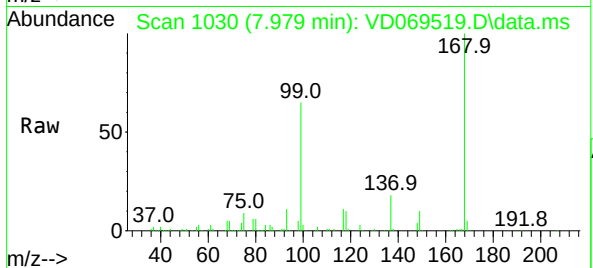




#36
1,1-Dichloropropene
Concen: 4.478 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069519.D
Acq: 22 Jun 2021 16:41

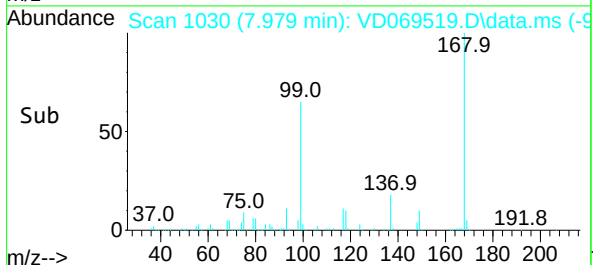
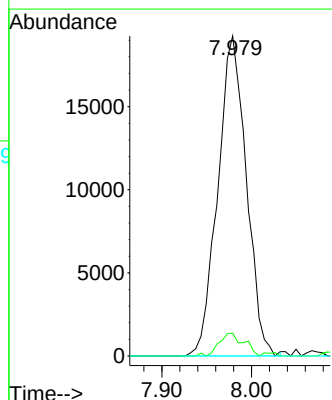
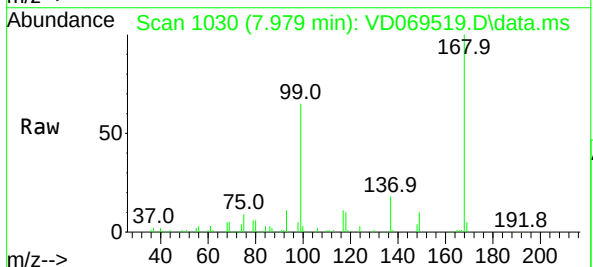
Instrument :
MSVOA_D
ClientSampleId :

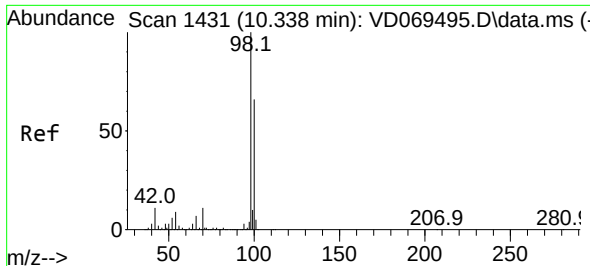
Tgt Ion: 75 Resp: 35862
Ion Ratio Lower Upper
75 100
110 8.0 16.8 50.4#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.366 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069519.D
Acq: 22 Jun 2021 16:41

Tgt Ion: 117 Resp: 42529
Ion Ratio Lower Upper
117 100
119 7.1 75.6 113.4#
121 0.0 23.8 35.8#

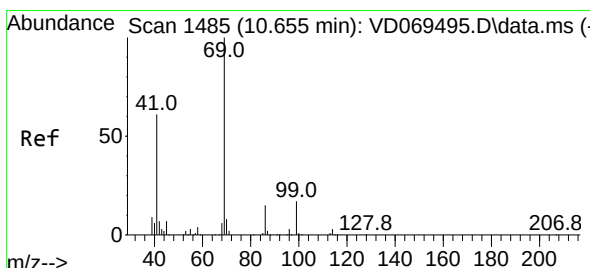
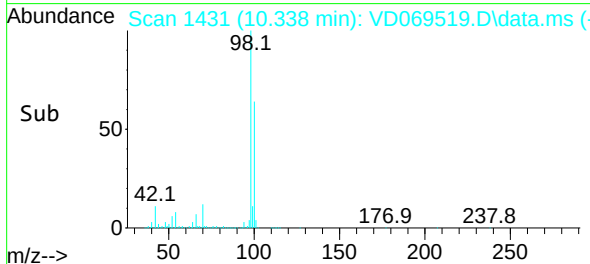
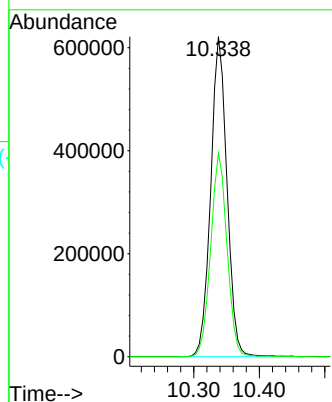
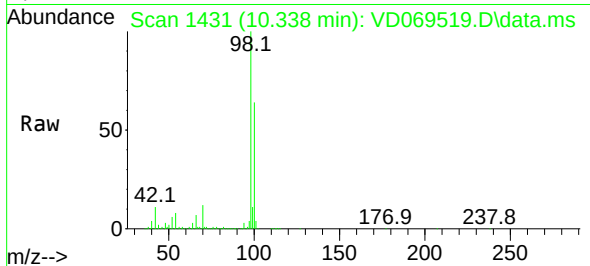




#50
Toluene-d8
Concen: 51.785 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069519.D
Acq: 22 Jun 2021 16:41

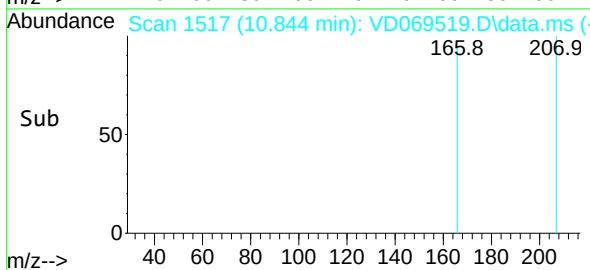
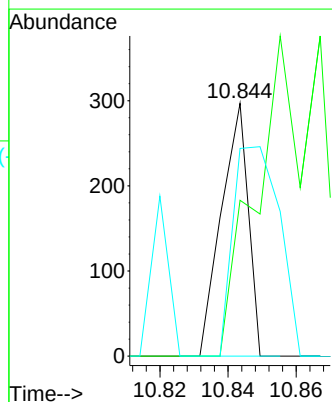
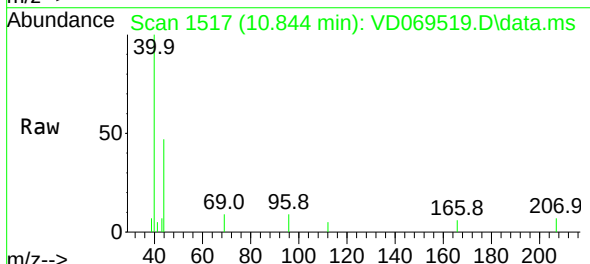
Instrument :
MSVOA_D
ClientSampled :

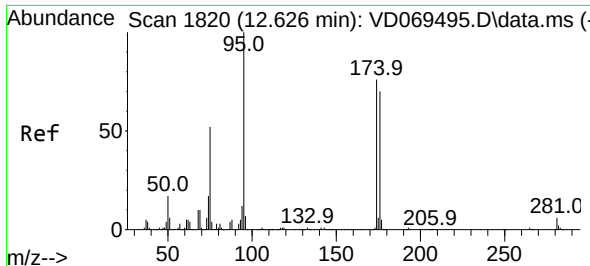
Tgt Ion: 98 Resp: 1071446
Ion Ratio Lower Upper
98 100
100 63.7 52.3 78.5



#56
Ethyl methacrylate
Concen: 2.611 ug/l
RT: 10.844 min Scan# 1517
Delta R.T. 0.189 min
Lab File: VD069519.D
Acq: 22 Jun 2021 16:41

Tgt Ion: 69 Resp: 162
Ion Ratio Lower Upper
69 100
41 283.3 49.4 74.0#
39 143.8 26.9 40.3#

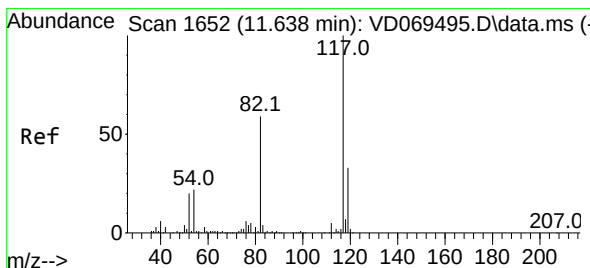
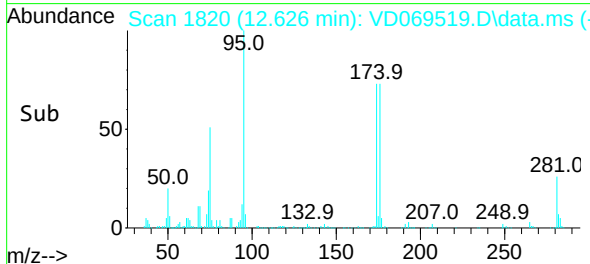
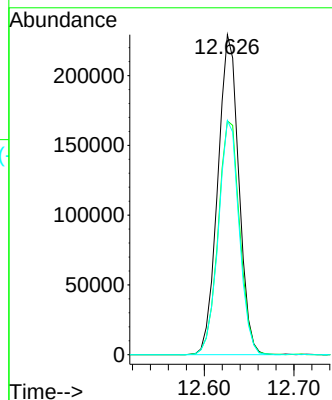
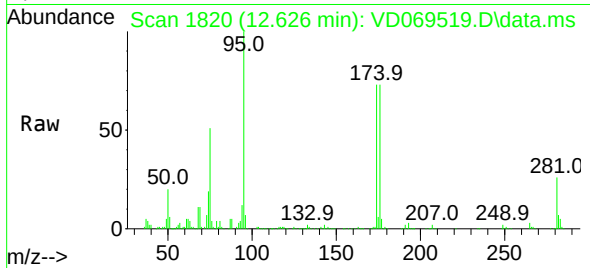




#62
4-Bromofluorobenzene
Concen: 54.825 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069519.D
Acq: 22 Jun 2021 16:41

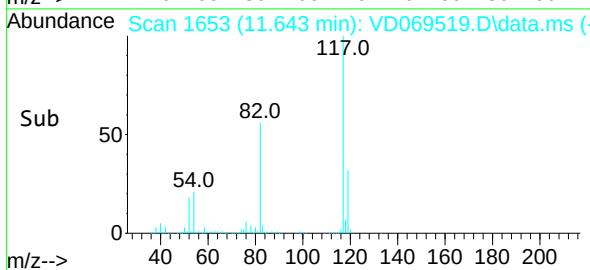
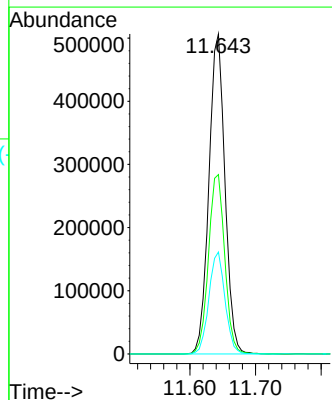
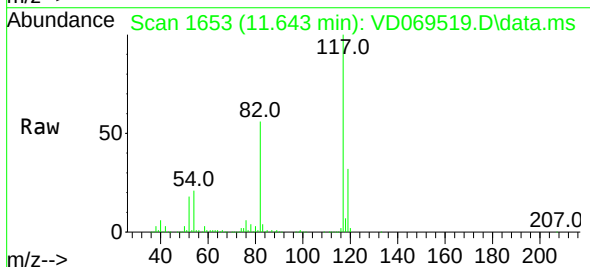
Instrument :
MSVOA_D
ClientSampleId :

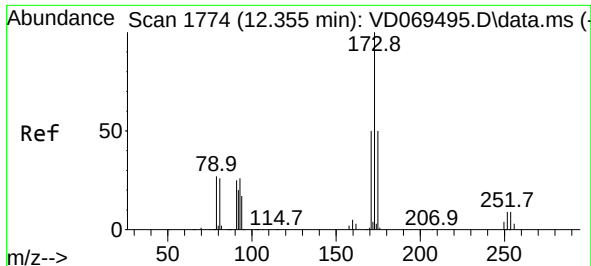
Tgt Ion: 95 Resp: 372926
Ion Ratio Lower Upper
95 100
174 74.9 0.0 148.0
176 72.4 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069519.D
Acq: 22 Jun 2021 16:41

Tgt Ion: 117 Resp: 861494
Ion Ratio Lower Upper
117 100
82 56.0 46.8 70.2
119 31.9 26.2 39.2

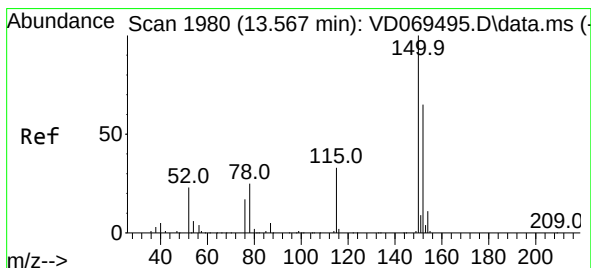
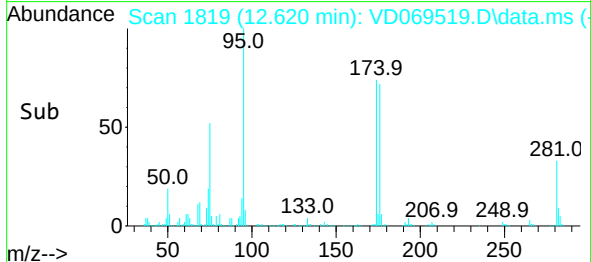
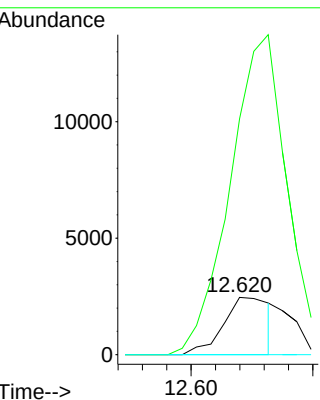
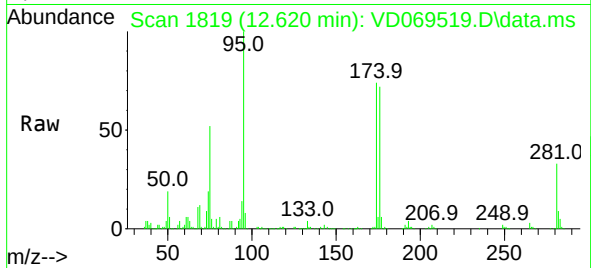




#71
Bromoform
Concen: 1.037 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.264 min
Lab File: VD069519.D
Acq: 22 Jun 2021 16:41

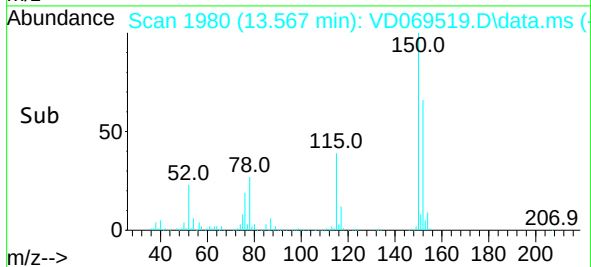
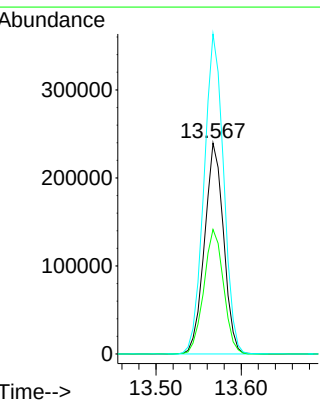
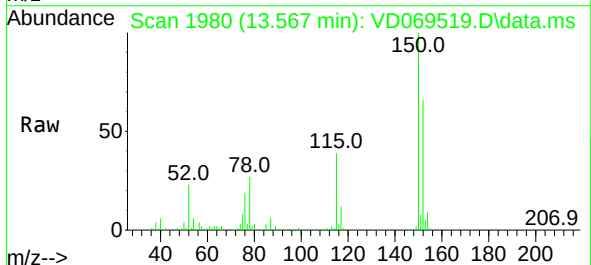
Instrument :
MSVOA_D
ClientSampleId :

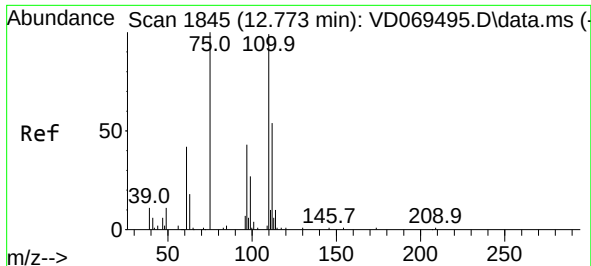
Tgt Ion:173 Resp: 3275
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069519.D
Acq: 22 Jun 2021 16:41

Tgt Ion:152 Resp: 371954
Ion Ratio Lower Upper
152 100
115 61.0 31.7 95.1
150 156.2 0.0 350.8

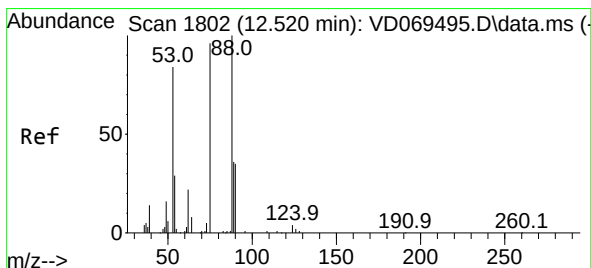
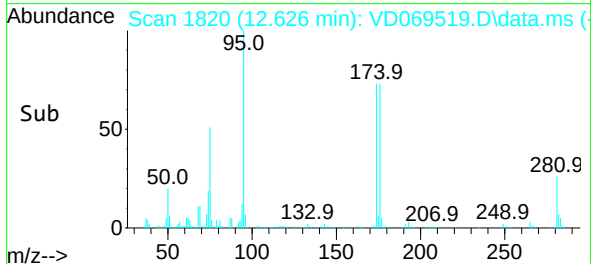
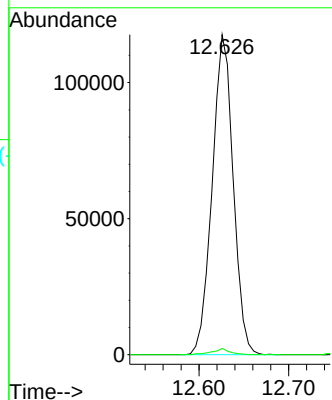
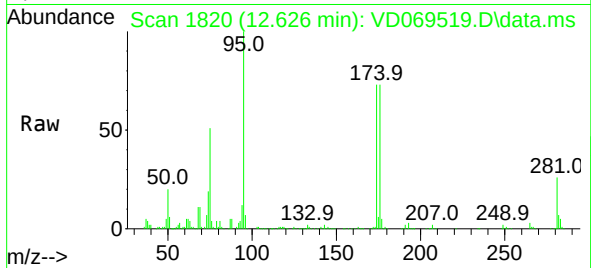




#76
1,2,3-Trichloropropane
Concen: 52.313 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069519.D
Acq: 22 Jun 2021 16:41

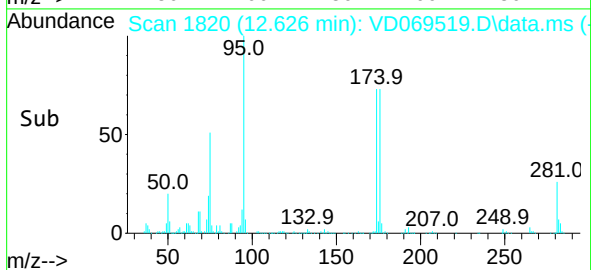
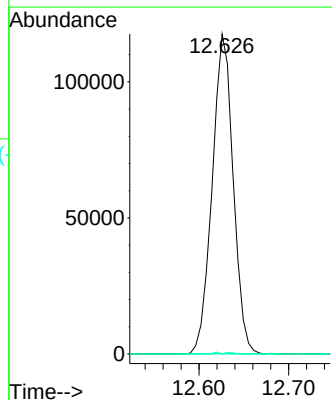
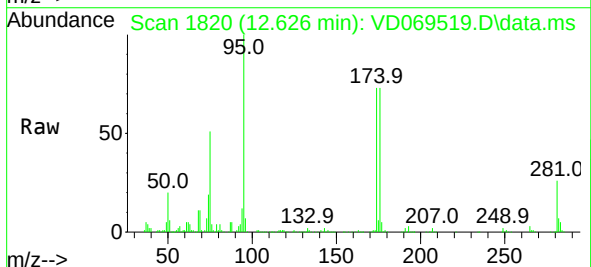
Instrument :
MSVOA_D
ClientSampleId :

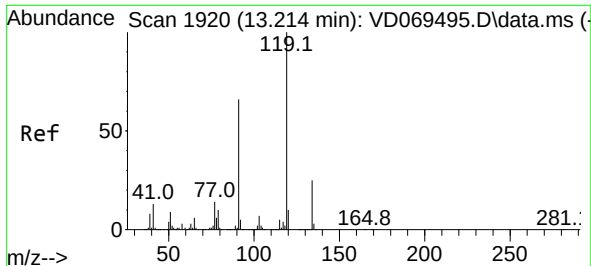
Tgt Ion: 75 Resp: 191006
Ion Ratio Lower Upper
75 100
77 1.6 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.619 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069519.D
Acq: 22 Jun 2021 16:41

Tgt Ion: 75 Resp: 191006
Ion Ratio Lower Upper
75 100
53 0.2 74.6 112.0#
89 0.2 35.3 52.9#

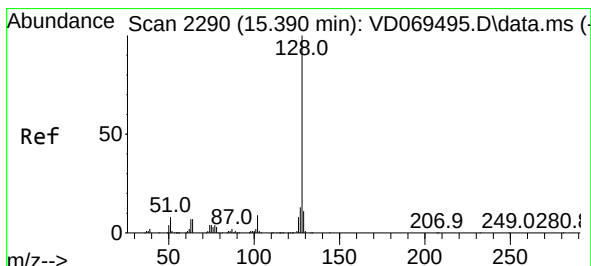
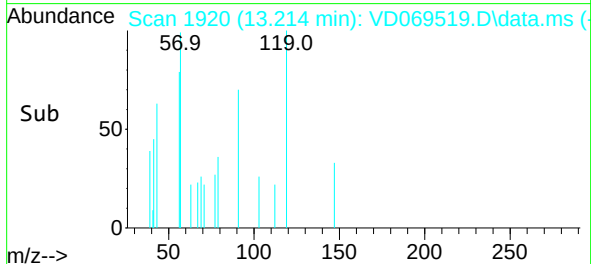
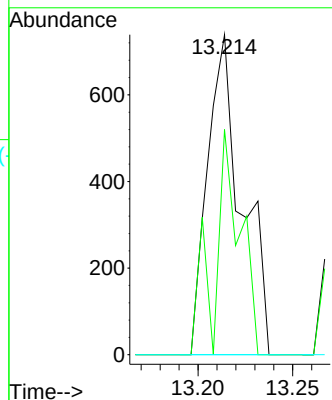
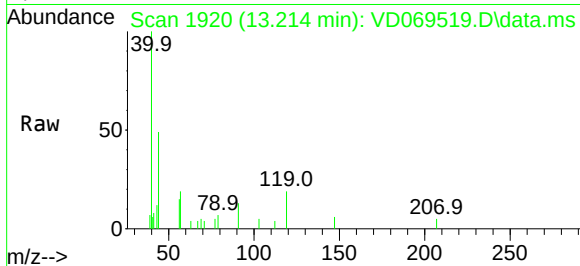




#83
tert-Butylbenzene
Concen: 2.038 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. -0.000 min
Lab File: VD069519.D
Acq: 22 Jun 2021 16:41

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:119 Resp: 929
Ion Ratio Lower Upper
119 100
91 53.5 32.5 97.4
134 0.0 12.9 38.7#



#95
Naphthalene
Concen: 3.405 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069519.D
Acq: 22 Jun 2021 16:41

Tgt Ion:128 Resp: 628
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

