

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062221\
 Data File : VD069525.D
 Acq On : 22 Jun 2021 19:29
 Operator : VA/SY
 Sample : M2773-12
 Misc : 5.06G/5.00ml/MSVOA_D/soil
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 23 04:30:57 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)

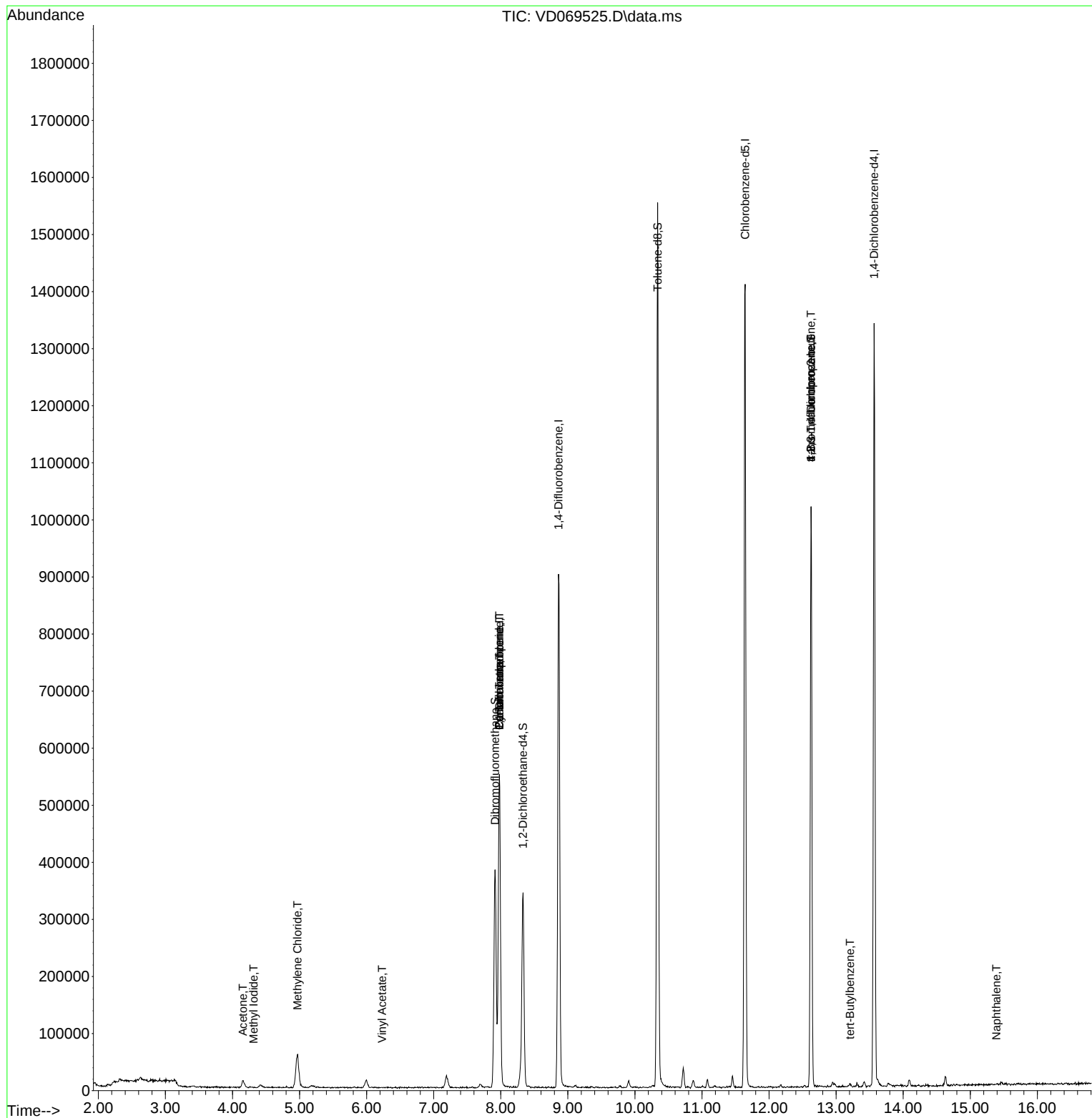
Internal Standards						
1) Pentafluorobenzene	7.979	168	386302	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	774105	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	822184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	345940	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	275027	57.117	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.240%	
35) Dibromofluoromethane	7.914	113	281989	53.889	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.780%	
50) Toluene-d8	10.338	98	1042717	53.124	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.240%	
62) 4-Bromofluorobenzene	12.626	95	345585	53.556	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 107.120%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	821	Below Cal	#	51
10) Methyl Iodide	4.314	142	275	4.003	ug/l #	39
11) Tert butyl alcohol	5.179	59	1890	Below Cal	#	83
16) Acetone	4.156	43	20587	25.401	ug/l	97
18) Methyl Acetate	4.703	43	164	Below Cal	#	49
20) Methylene Chloride	4.967	84	45199	2.730	ug/l	97
23) Vinyl Acetate	6.232	43	97	19.024	ug/l #	70
31) Cyclohexane	7.979	56	10439	1.610	ug/l #	20
36) 1,1-Dichloropropene	7.979	75	36741	4.836	ug/l #	50
38) Carbon Tetrachloride	7.979	117	41592	5.532	ug/l #	16
76) 1,2,3-Trichloropropane	12.626	75	171335	50.454	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	171335	125.978	ug/l #	13
83) tert-Butylbenzene	13.208	119	72	1.996	ug/l #	1
95) Naphthalene	15.390	128	621	3.408	ug/l #	69

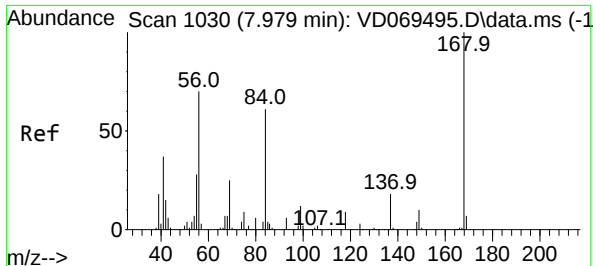
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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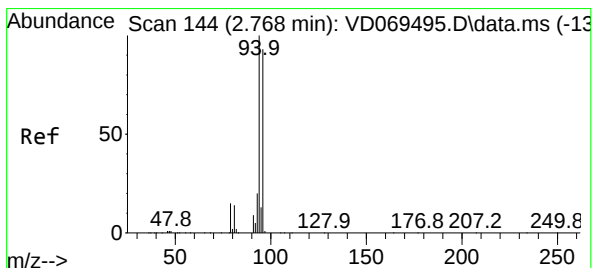
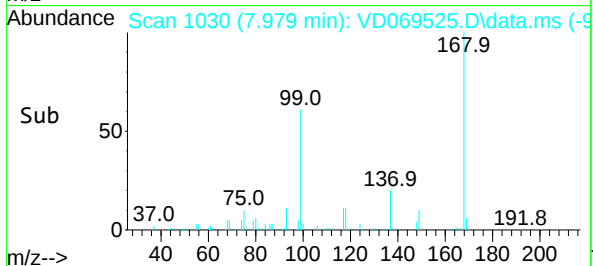
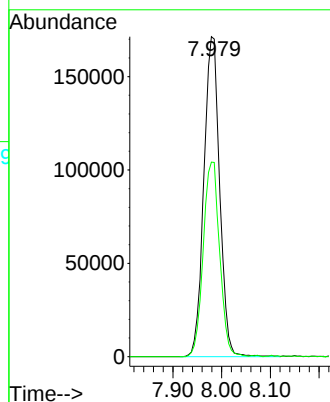
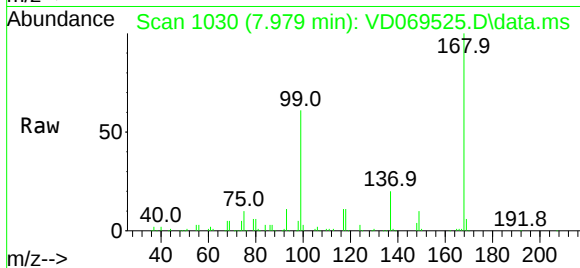




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069525.D
Acq: 22 Jun 2021 19:29

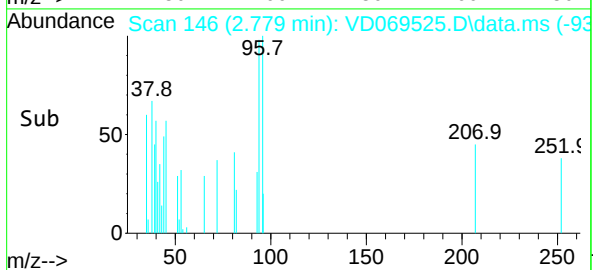
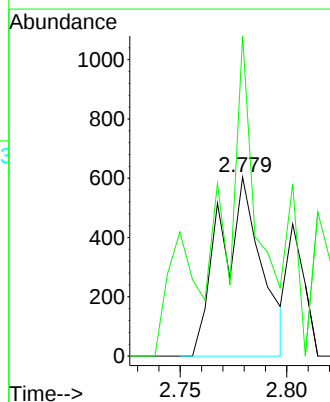
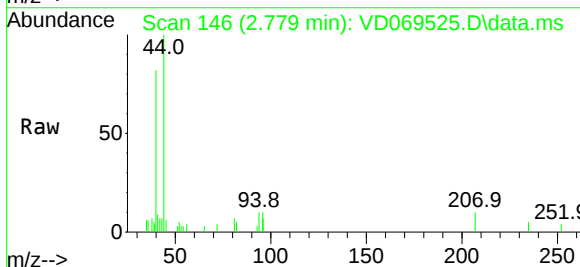
Instrument :
MSVOA_D
ClientSampleId :

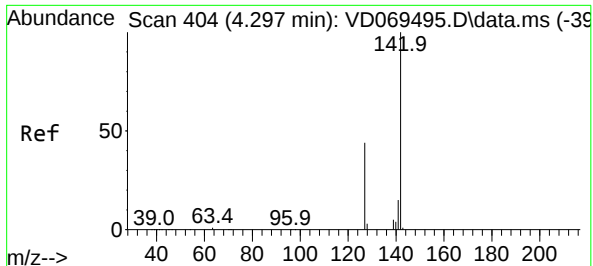
Tgt Ion:168 Resp: 386302
Ion Ratio Lower Upper
168 100
99 60.8 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD069525.D
Acq: 22 Jun 2021 19:29

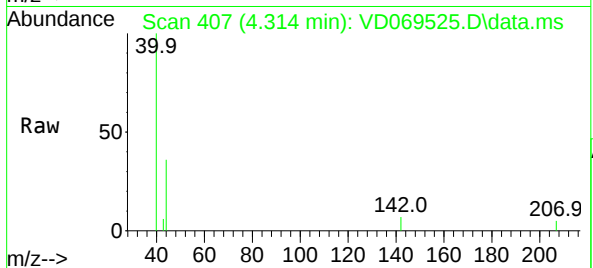
Tgt Ion: 94 Resp: 821
Ion Ratio Lower Upper
94 100
96 140.6 74.6 111.8#



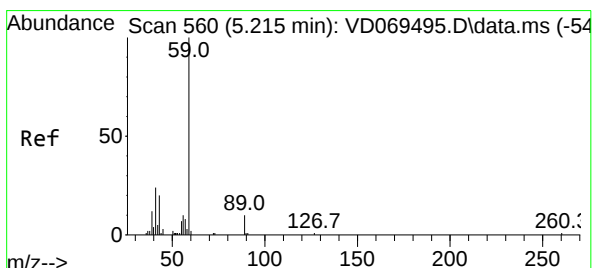
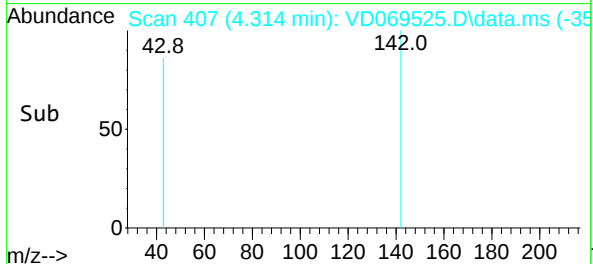
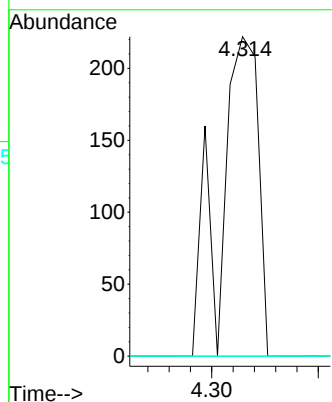


#10
Methyl Iodide
Concen: 4.003 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.017 min
Lab File: VD069525.D
Acq: 22 Jun 2021 19:29

Instrument :
MSVOA_D
ClientSampled :

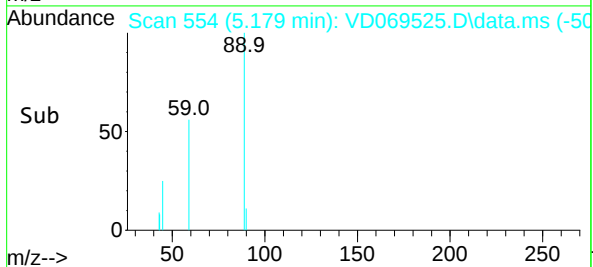
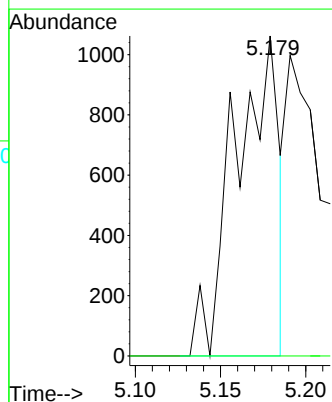
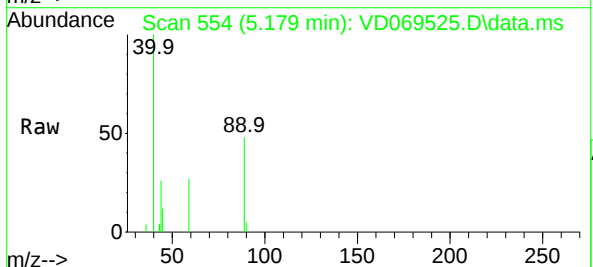


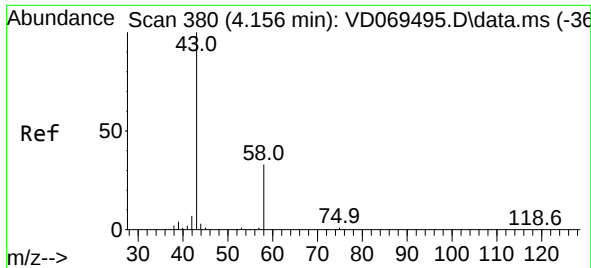
Tgt Ion:142 Resp: 275
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.179 min Scan# 554
Delta R.T. -0.036 min
Lab File: VD069525.D
Acq: 22 Jun 2021 19:29

Tgt Ion: 59 Resp: 1890
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

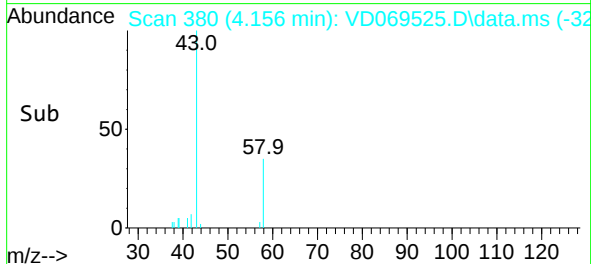
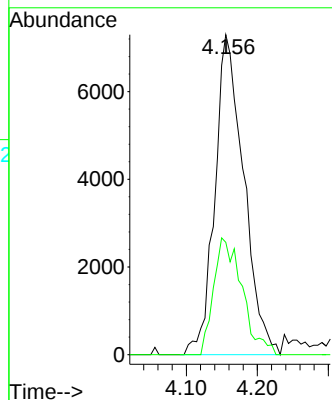
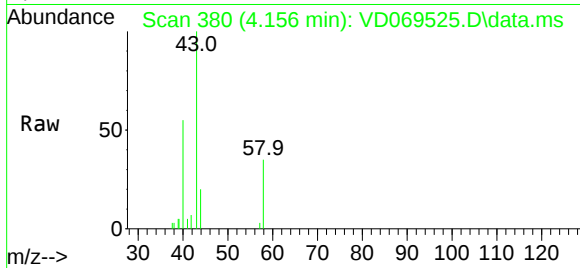




#16
Acetone
Concen: 25.401 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069525.D
Acq: 22 Jun 2021 19:29

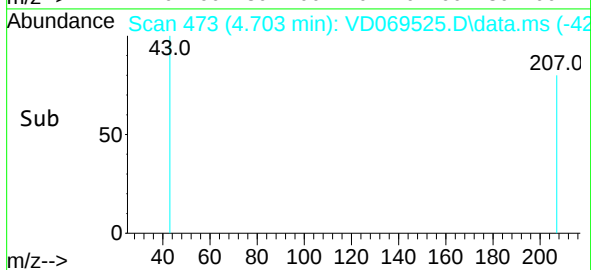
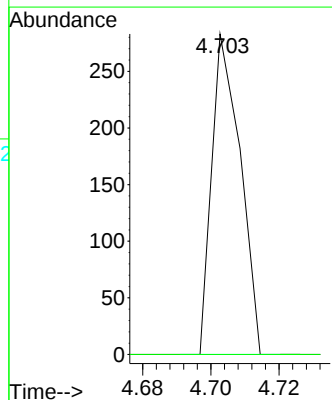
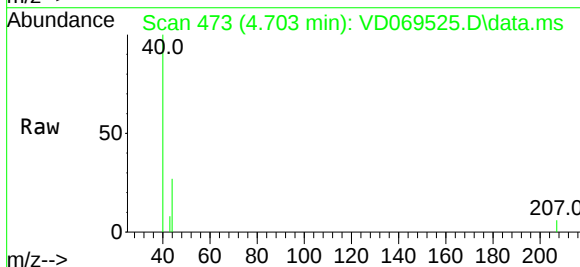
Instrument :
MSVOA_D
ClientSampleId :

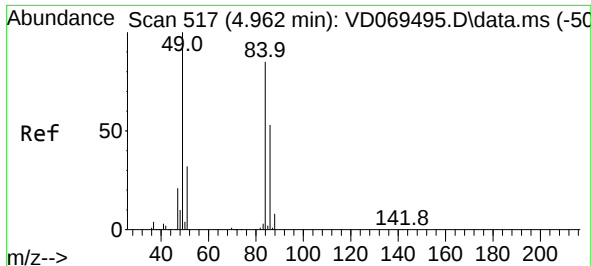
Tgt Ion: 43 Resp: 20587
Ion Ratio Lower Upper
43 100
58 35.1 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.703 min Scan# 473
Delta R.T. -0.017 min
Lab File: VD069525.D
Acq: 22 Jun 2021 19:29

Tgt Ion: 43 Resp: 164
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

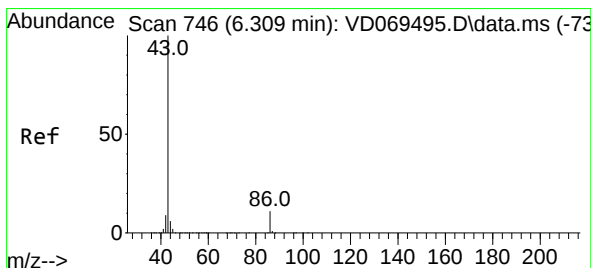
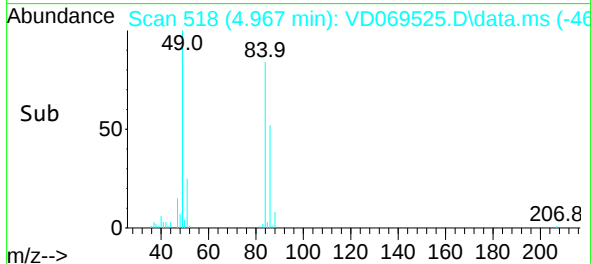
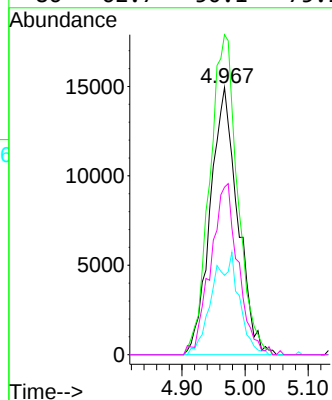
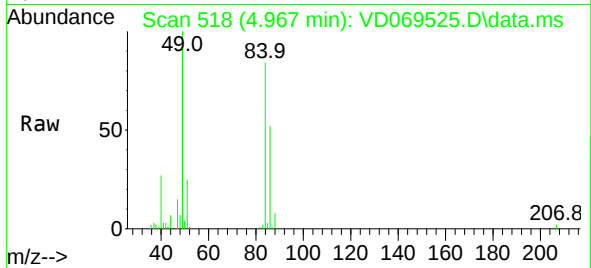




#20
Methylene Chloride
Concen: 2.730 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069525.D
Acq: 22 Jun 2021 19:29

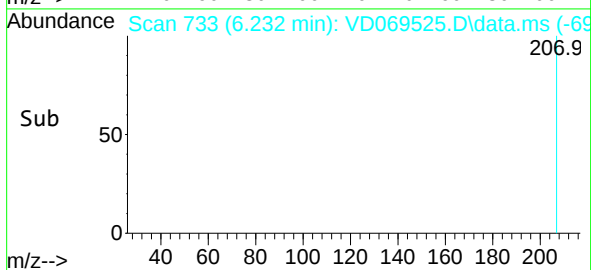
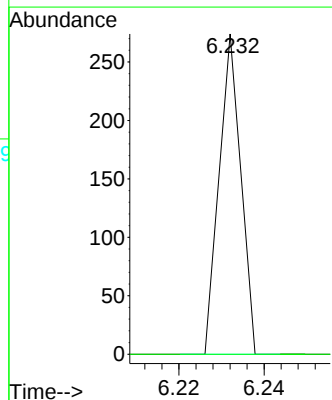
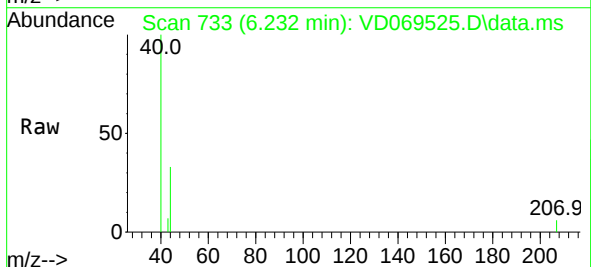
Instrument :
MSVOA_D
ClientSampleId :

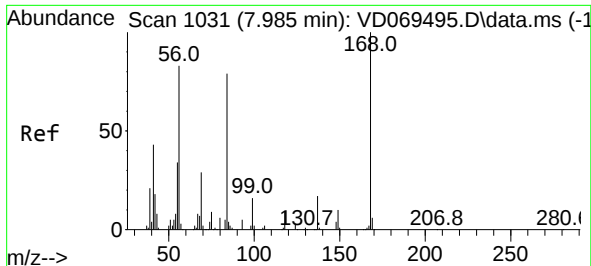
Tgt Ion:	84	Resp:	45199
Ion	Ratio	Lower	Upper
84	100		
49	119.7	94.0	141.0
51	29.7	29.7	44.5
86	62.7	50.1	75.1



#23
Vinyl Acetate
Concen: 19.024 ug/l
RT: 6.232 min Scan# 733
Delta R.T. -0.077 min
Lab File: VD069525.D
Acq: 22 Jun 2021 19:29

Tgt Ion:	43	Resp:	97
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#

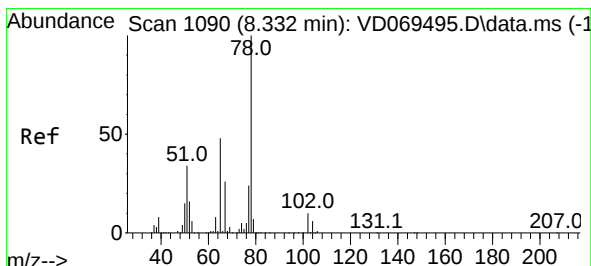
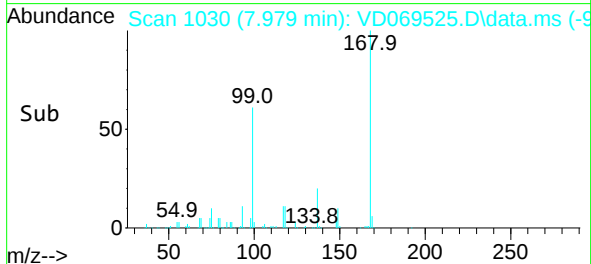
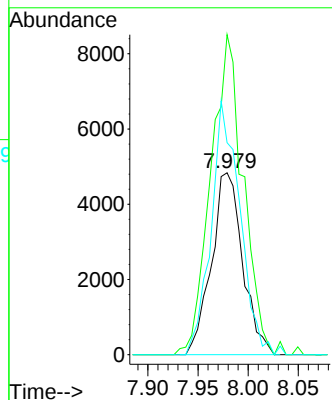
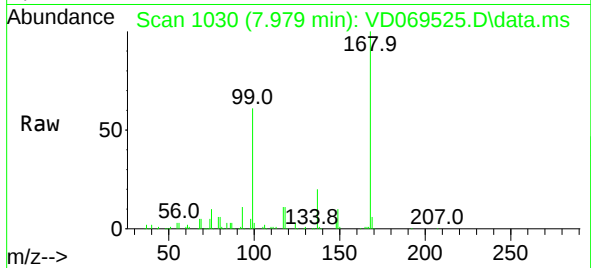




#31
Cyclohexane
Concen: 1.610 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069525.D
Acq: 22 Jun 2021 19:29

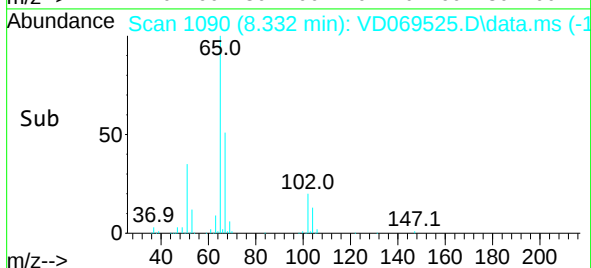
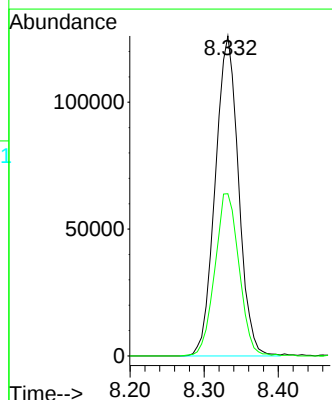
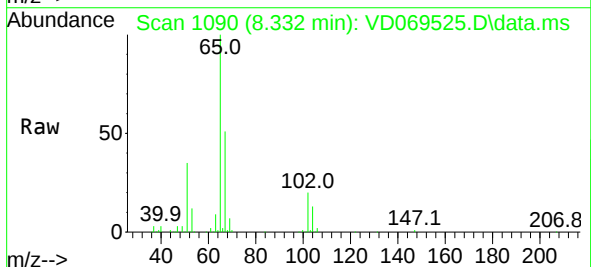
Instrument :
MSVOA_D
ClientSampleId :

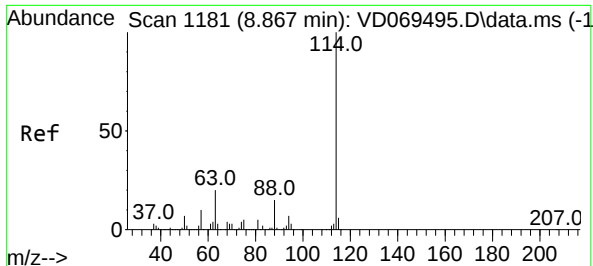
Tgt Ion: 56 Resp: 10439
Ion Ratio Lower Upper
56 100
69 172.5 28.0 42.0#
84 116.5 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 57.117 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069525.D
Acq: 22 Jun 2021 19:29

Tgt Ion: 65 Resp: 275027
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.6



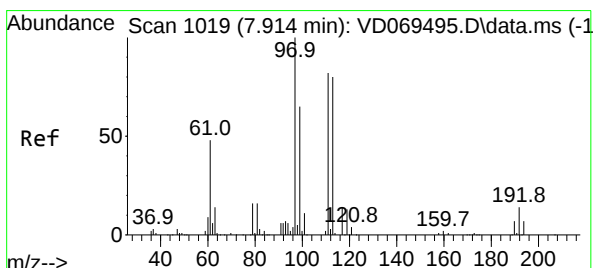
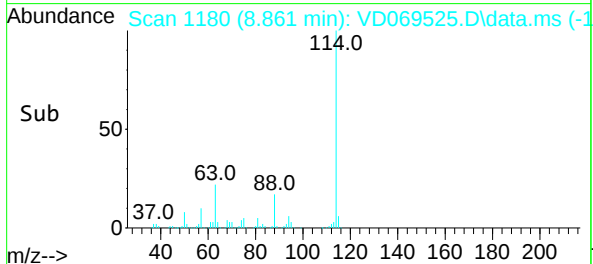
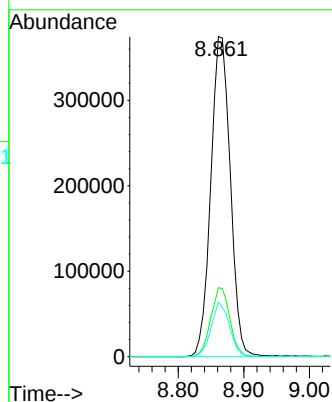
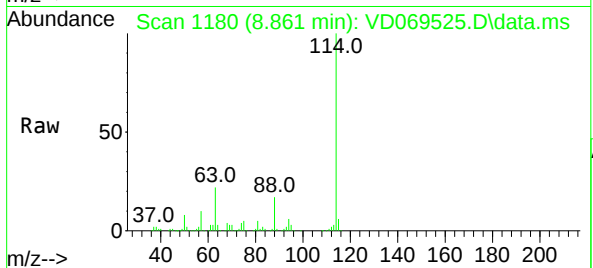


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069525.D
Acq: 22 Jun 2021 19:29

Instrument :
MSVOA_D
ClientSampleId :

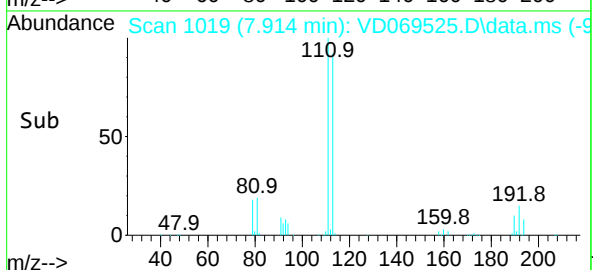
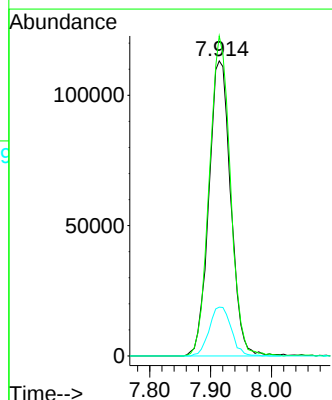
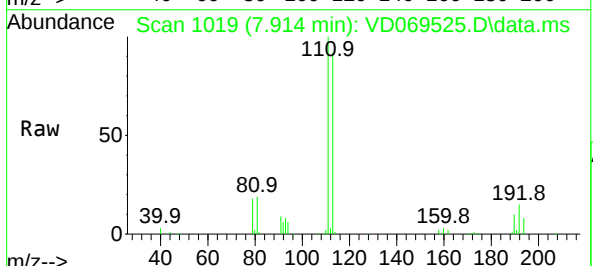
Tgt Ion:	114	Resp:	774105
Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	39.6
88	17.0	0.0	29.8

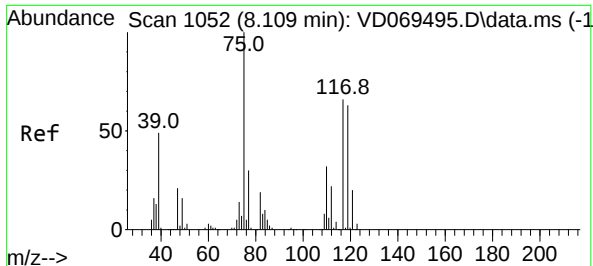


#35

Dibromofluoromethane
Concen: 53.889 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069525.D
Acq: 22 Jun 2021 19:29

Tgt Ion:	113	Resp:	281989
Ion	Ratio	Lower	Upper
113	100		
111	104.7	81.8	122.8
192	16.6	13.8	20.6

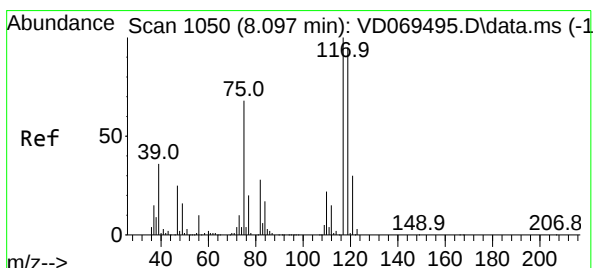
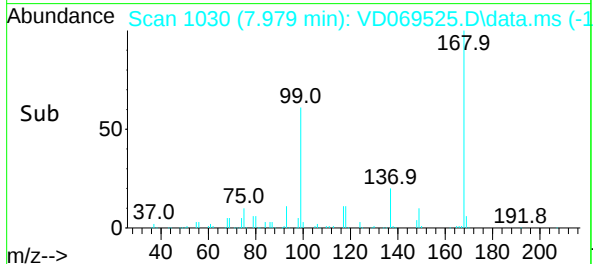
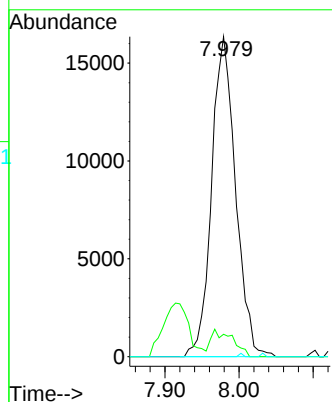
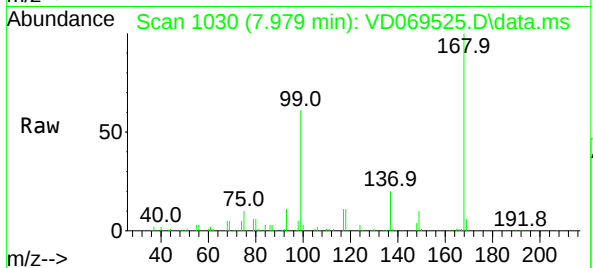




#36
1,1-Dichloropropene
Concen: 4.836 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069525.D
Acq: 22 Jun 2021 19:29

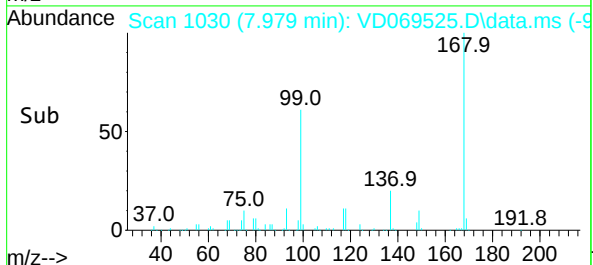
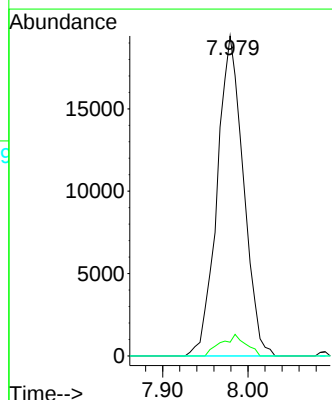
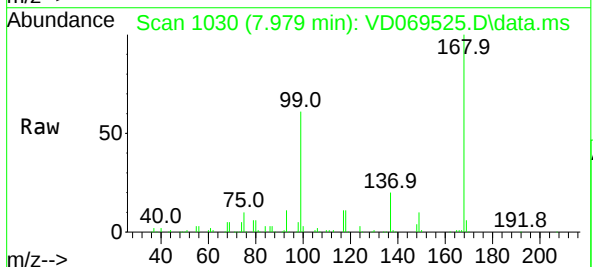
Instrument :
MSVOA_D
ClientSampleId :

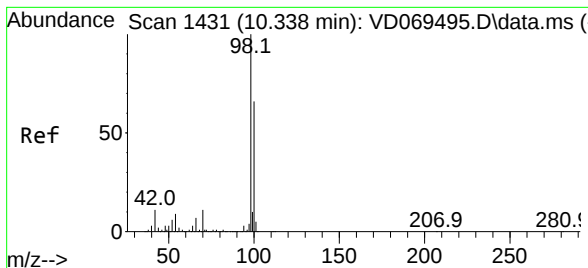
Tgt Ion: 75 Resp: 36741
Ion Ratio Lower Upper
75 100
110 7.6 16.8 50.4#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.532 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069525.D
Acq: 22 Jun 2021 19:29

Tgt Ion: 117 Resp: 41592
Ion Ratio Lower Upper
117 100
119 4.3 75.6 113.4#
121 0.0 23.8 35.8#

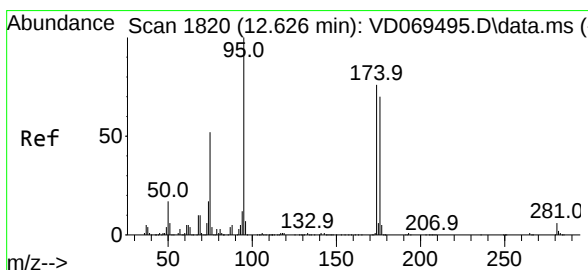
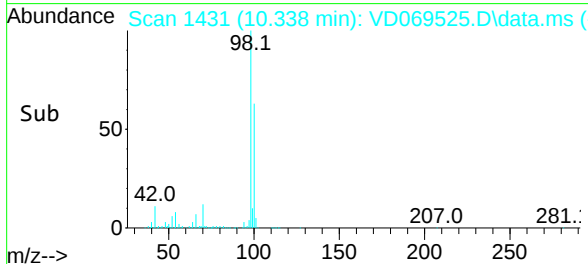
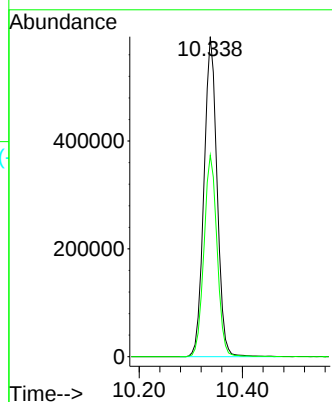
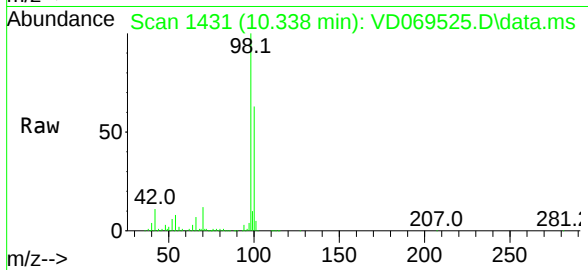




#50
Toluene-d8
Concen: 53.124 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069525.D
Acq: 22 Jun 2021 19:29

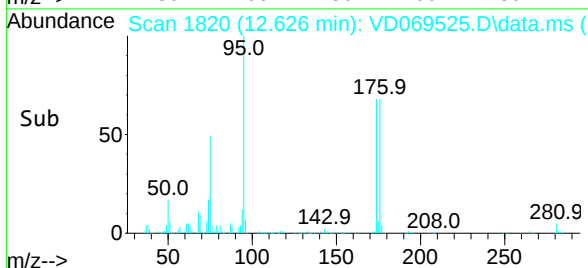
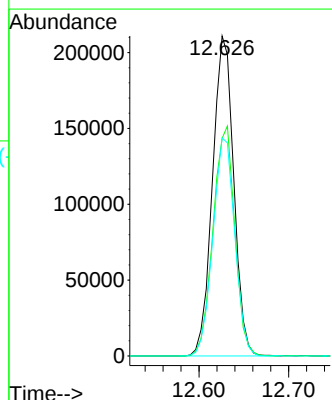
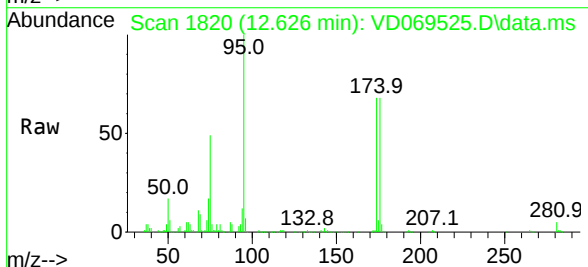
Instrument :
MSVOA_D
ClientSampleId :

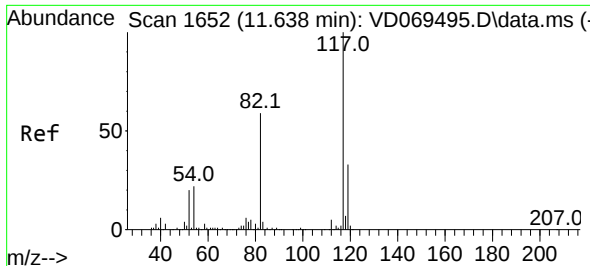
Tgt Ion: 98 Resp: 1042717
Ion Ratio Lower Upper
98 100
100 63.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 53.556 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069525.D
Acq: 22 Jun 2021 19:29

Tgt Ion: 95 Resp: 345585
Ion Ratio Lower Upper
95 100
174 73.7 0.0 148.0
176 70.5 0.0 139.8

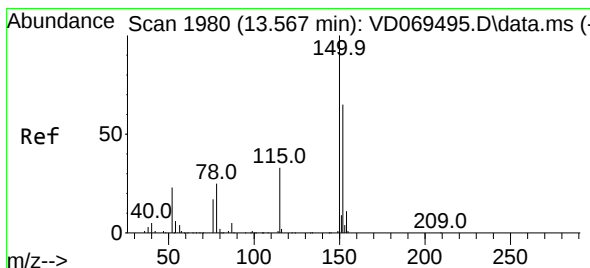
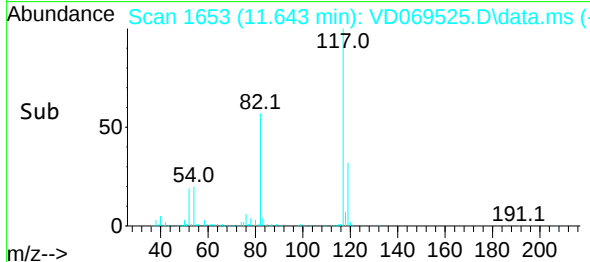
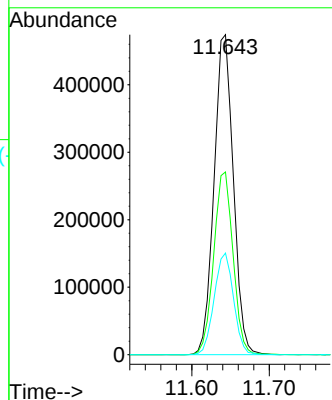
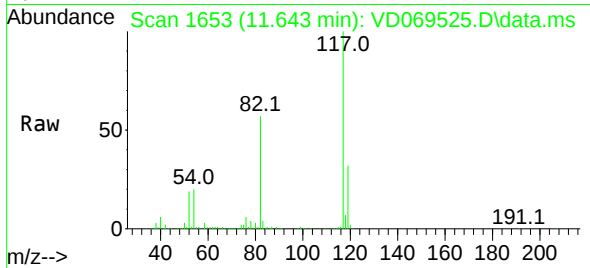




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069525.D
Acq: 22 Jun 2021 19:29

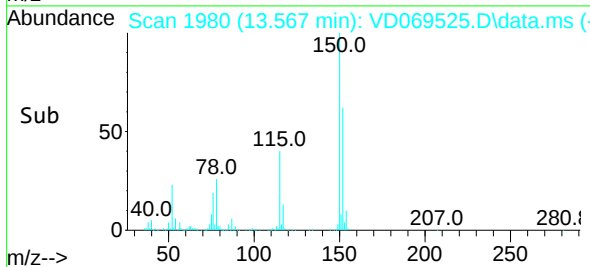
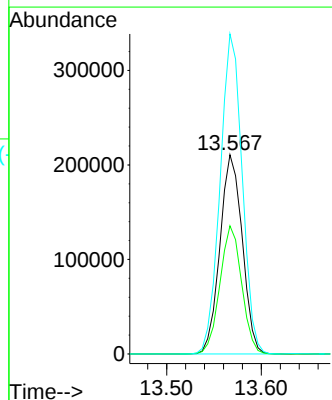
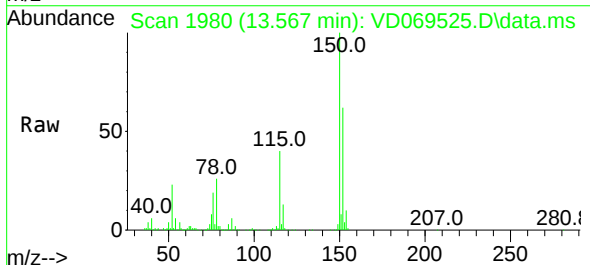
Instrument :
MSVOA_D
ClientSampleId :

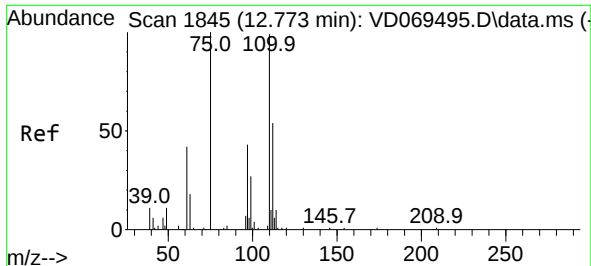
Tgt Ion:117 Resp: 822184
Ion Ratio Lower Upper
117 100
82 57.1 46.8 70.2
119 31.8 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069525.D
Acq: 22 Jun 2021 19:29

Tgt Ion:152 Resp: 345940
Ion Ratio Lower Upper
152 100
115 62.6 31.7 95.1
150 158.7 0.0 350.8

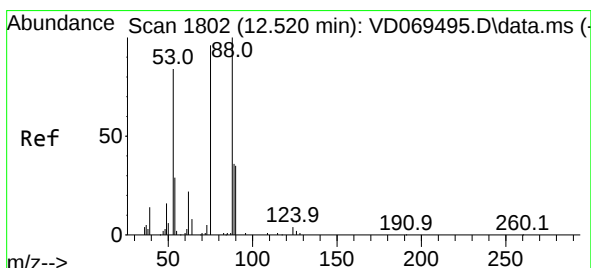
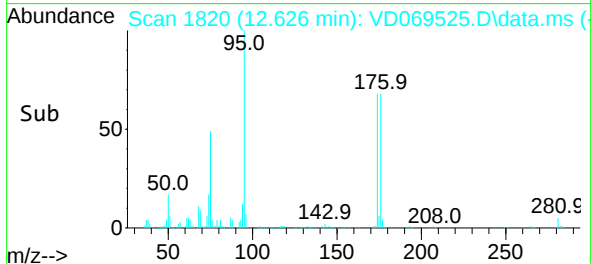
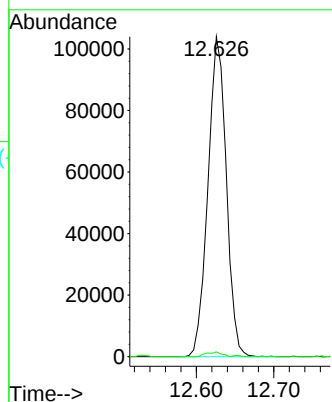
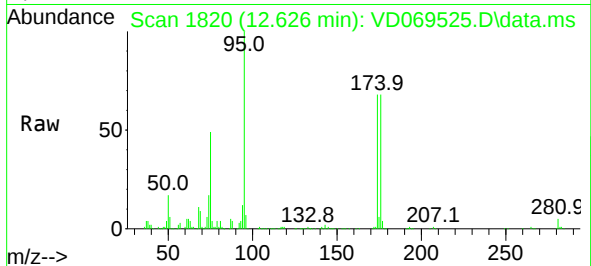




#76
1,2,3-Trichloropropane
Concen: 50.454 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069525.D
Acq: 22 Jun 2021 19:29

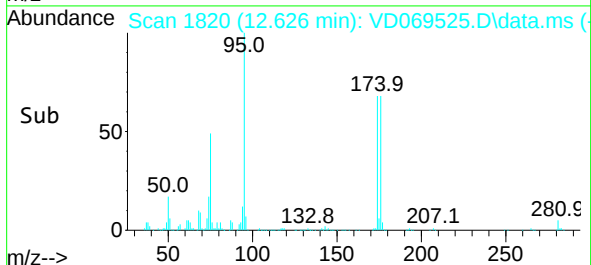
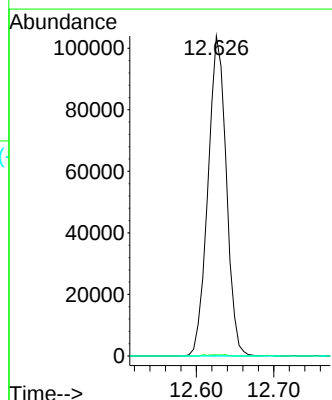
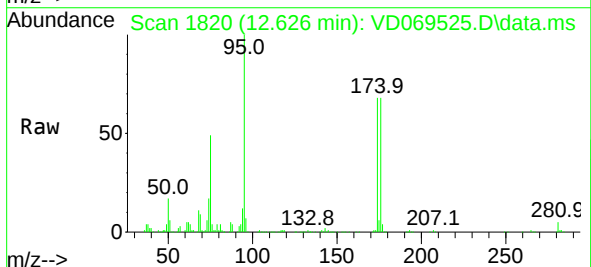
Instrument :
MSVOA_D
ClientSampleId :

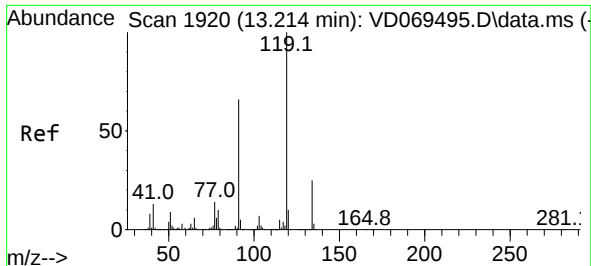
Tgt Ion: 75 Resp: 171335
Ion Ratio Lower Upper
75 100
77 1.3 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.978 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069525.D
Acq: 22 Jun 2021 19:29

Tgt Ion: 75 Resp: 171335
Ion Ratio Lower Upper
75 100
53 0.4 74.6 112.0#
89 0.0 35.3 52.9#

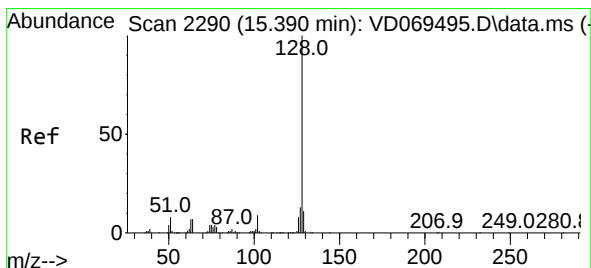
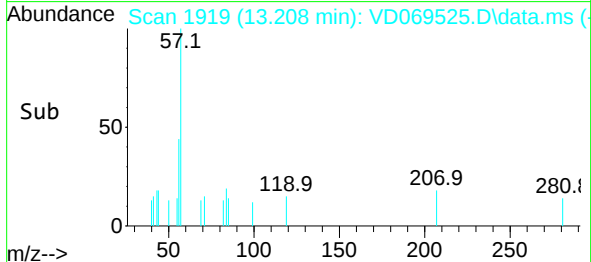
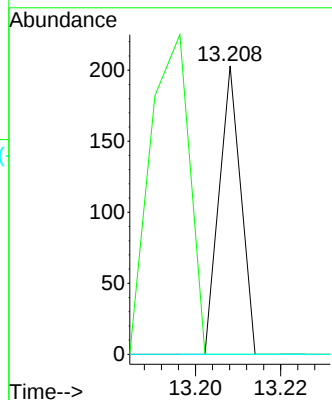
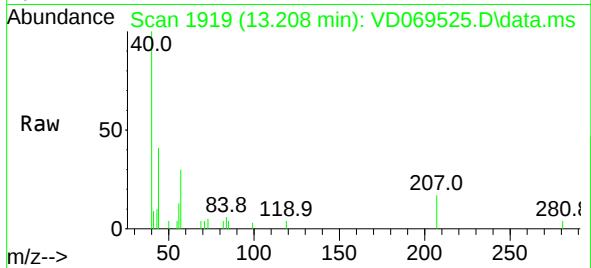




#83
tert-Butylbenzene
Concen: 1.996 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. -0.006 min
Lab File: VD069525.D
Acq: 22 Jun 2021 19:29

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:119 Resp: 72
Ion Ratio Lower Upper
119 100
91 200.0 32.5 97.4#
134 0.0 12.9 38.7#



#95
Naphthalene
Concen: 3.408 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069525.D
Acq: 22 Jun 2021 19:29

Tgt Ion:128 Resp: 621
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

