

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072121\
 Data File : VD069788.D
 Acq On : 21 Jul 2021 13:52
 Operator : VA/SY
 Sample : M3028-02
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 22 03:40:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

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

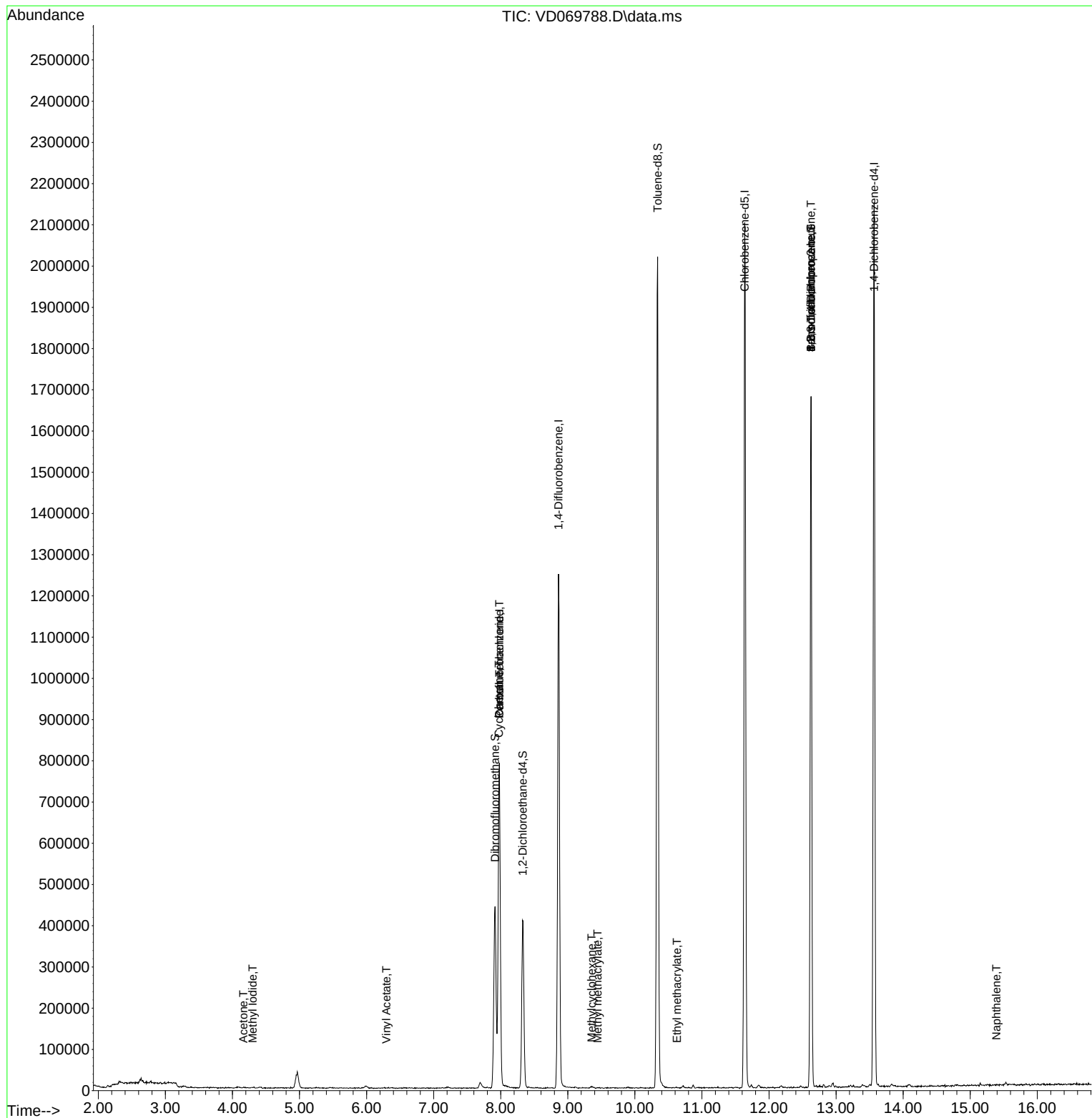
Internal Standards						
1) Pentafluorobenzene	7.979	168	533689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1044273	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1225595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	562810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	320390	48.079	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.160%		
35) Dibromofluoromethane	7.914	113	326436	46.595	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.180%		
50) Toluene-d8	10.338	98	1392750	51.171	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.340%		
62) 4-Bromofluorobenzene	12.626	95	587288	64.698	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	129.400%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	2196	Below Cal	#	85
5) Bromomethane	2.779	94	3770	Below Cal		93
10) Methyl Iodide	4.303	142	1958	2.749	ug/l #	80
16) Acetone	4.162	43	1804	14.305	ug/l #	60
18) Methyl Acetate	4.720	43	55	Below Cal	#	49
20) Methylene Chloride	4.967	84	29186	Below Cal		96
23) Vinyl Acetate	6.297	43	64	15.430	ug/l #	72
31) Cyclohexane	7.973	56	14089	1.637	ug/l #	1
38) Carbon Tetrachloride	7.979	117	59309	6.012	ug/l #	18
39) Methylcyclohexane	9.355	83	1899	2.100	ug/l #	74
48) Methyl methacrylate	9.444	41	221	1.158	ug/l #	94
56) Ethyl methacrylate	10.626	69	89	1.677	ug/l #	1
71) Bromoform	12.626	173	5149	1.214	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	290095	53.058	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	290095	142.590	ug/l #	14
95) Naphthalene	15.390	128	923	2.255	ug/l #	77

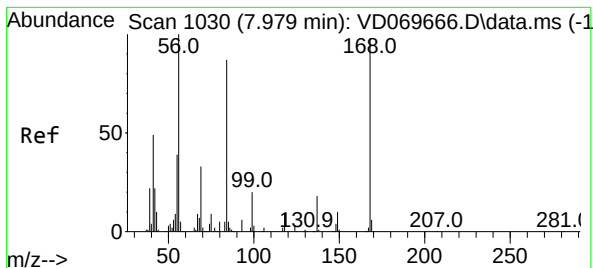
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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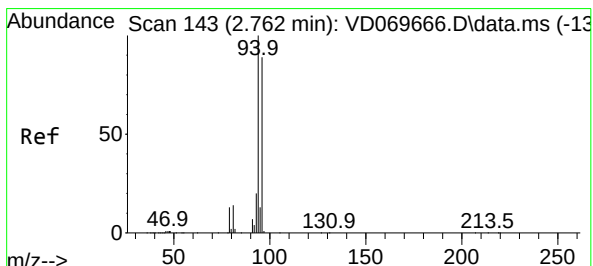
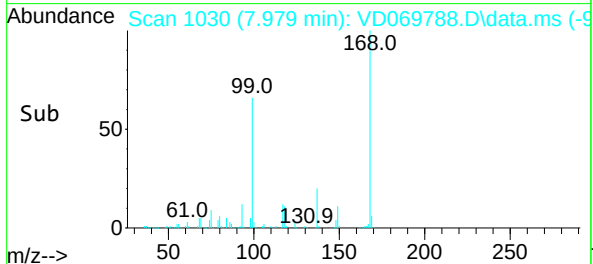
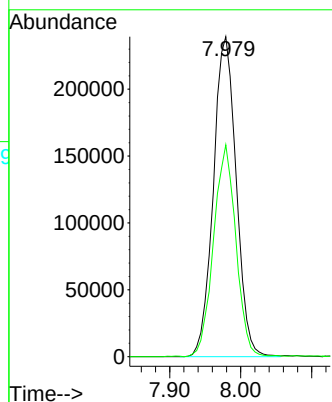
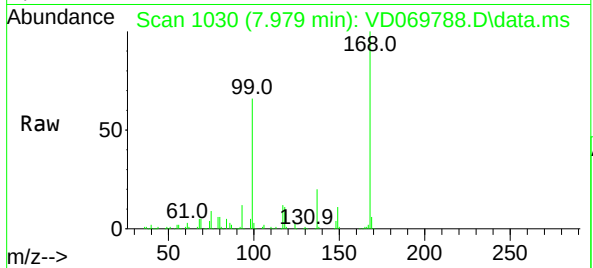




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069788.D
Acq: 21 Jul 2021 13:52

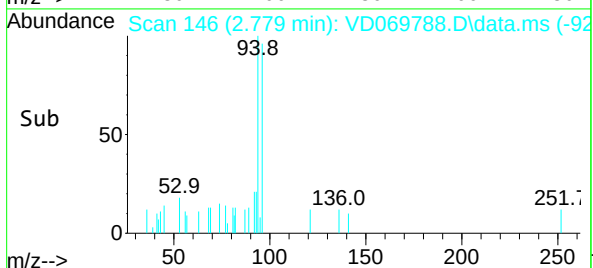
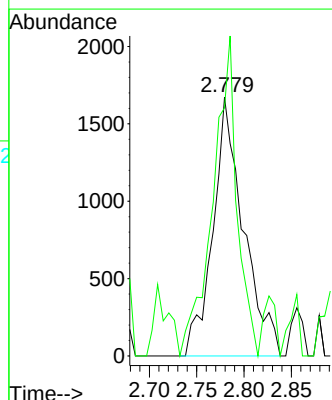
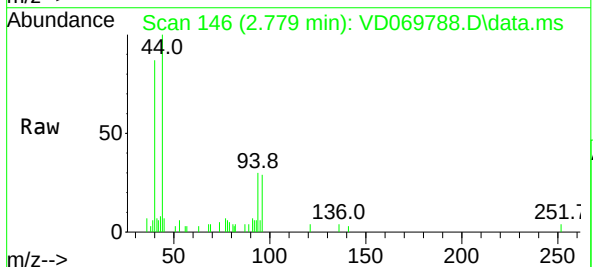
Instrument :
MSVOA_D
ClientSampled :

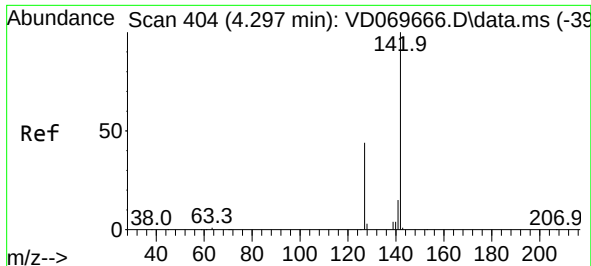
Tgt Ion:168 Resp: 533689
Ion Ratio Lower Upper
168 100
99 66.1 51.8 77.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069788.D
Acq: 21 Jul 2021 13:52

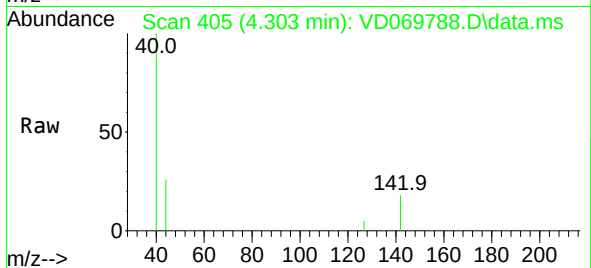
Tgt Ion: 94 Resp: 3770
Ion Ratio Lower Upper
94 100
96 95.9 71.2 106.8



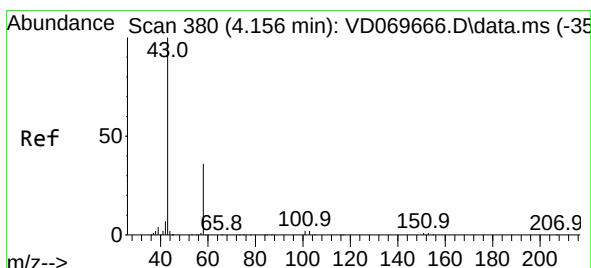
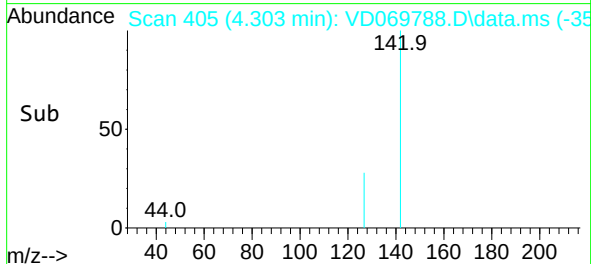
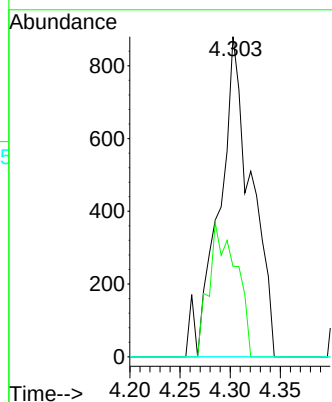


#10
Methyl Iodide
Concen: 2.749 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069788.D
Acq: 21 Jul 2021 13:52

Instrument :
MSVOA_D
ClientSampled :

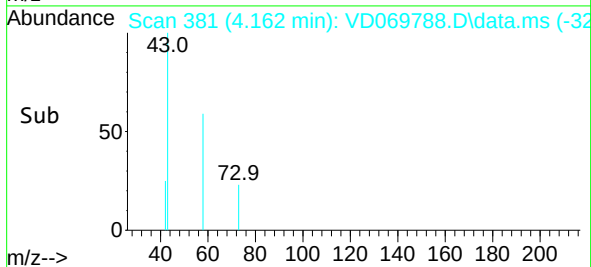
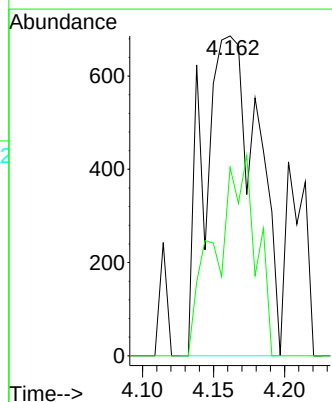
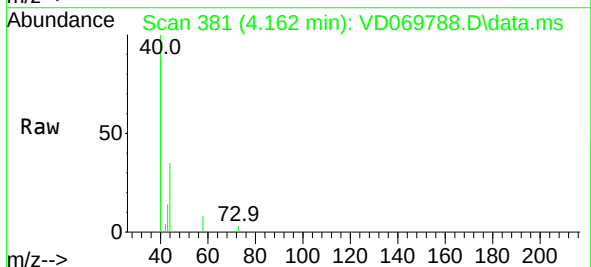


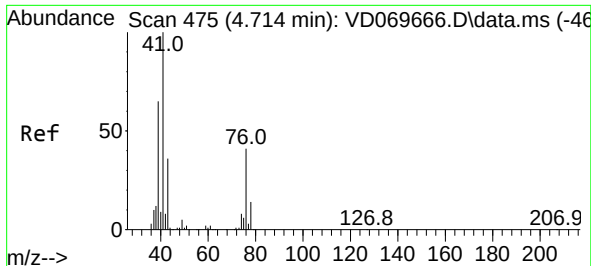
Tgt Ion:142 Resp: 1958
Ion Ratio Lower Upper
142 100
127 35.6 36.1 54.1#
141 0.0 11.6 17.4#



#16
Acetone
Concen: 14.305 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069788.D
Acq: 21 Jul 2021 13:52

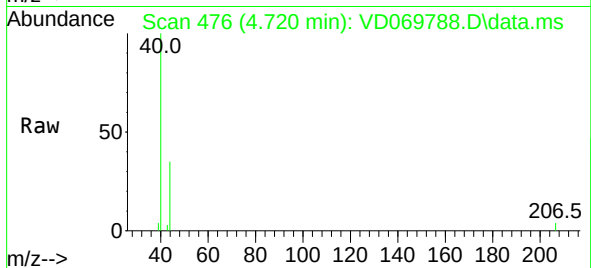
Tgt Ion: 43 Resp: 1804
Ion Ratio Lower Upper
43 100
58 58.9 28.6 42.8#



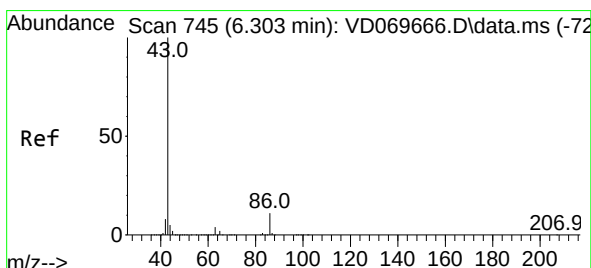
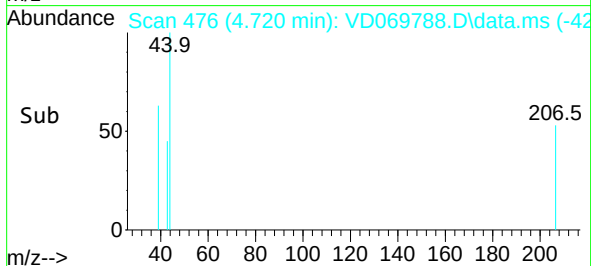
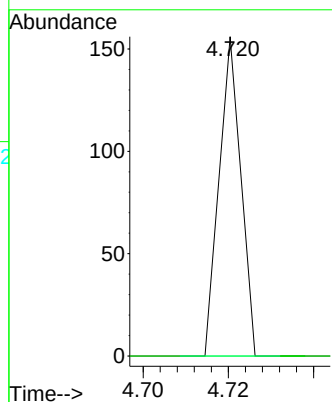


#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 476
Delta R.T. 0.006 min
Lab File: VD069788.D
Acq: 21 Jul 2021 13:52

Instrument :
MSVOA_D
ClientSampled :

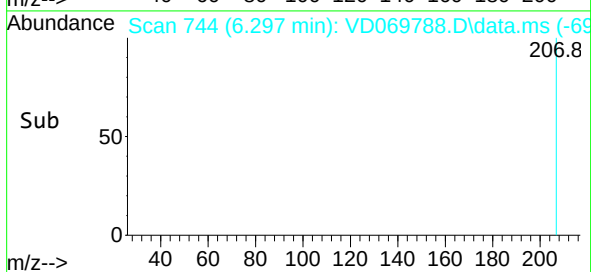
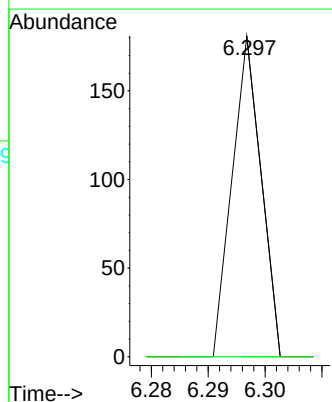
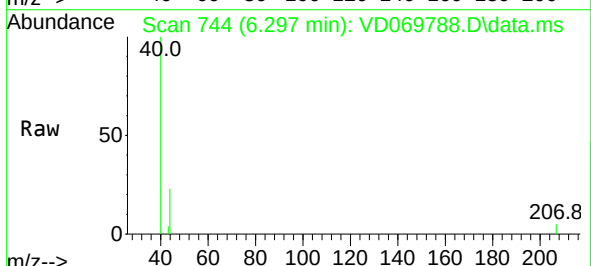


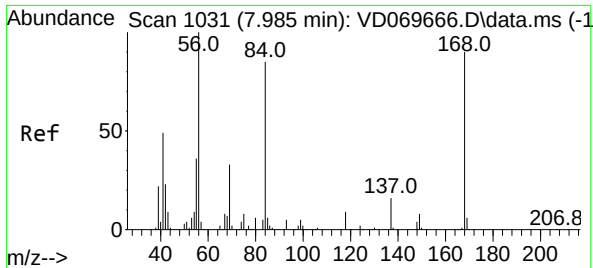
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#23
Vinyl Acetate
Concen: 15.430 ug/l
RT: 6.297 min Scan# 744
Delta R.T. -0.006 min
Lab File: VD069788.D
Acq: 21 Jul 2021 13:52

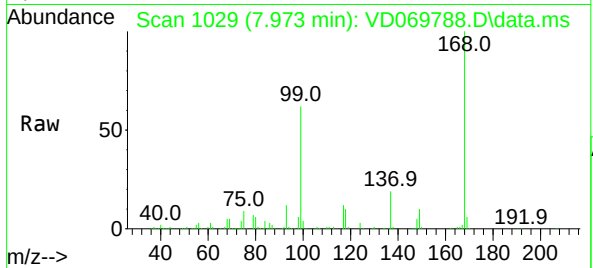
Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
86 0.0 8.6 12.8#



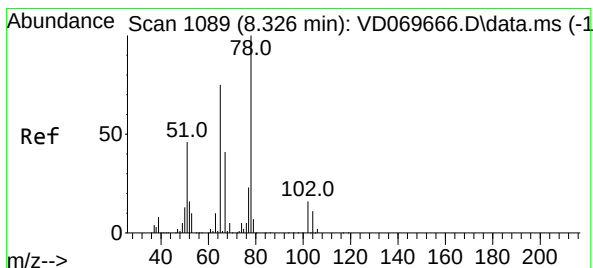
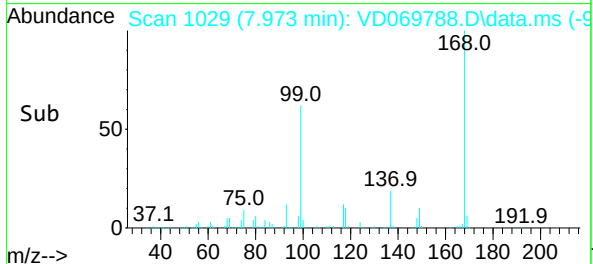
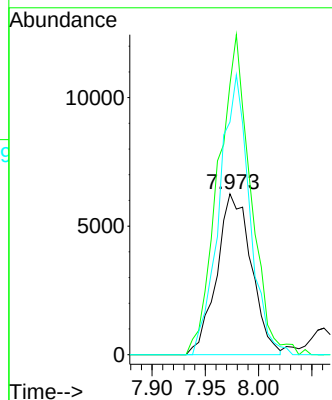


#31
Cyclohexane
Concen: 1.637 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069788.D
Acq: 21 Jul 2021 13:52

Instrument :
MSVOA_D
ClientSampled :

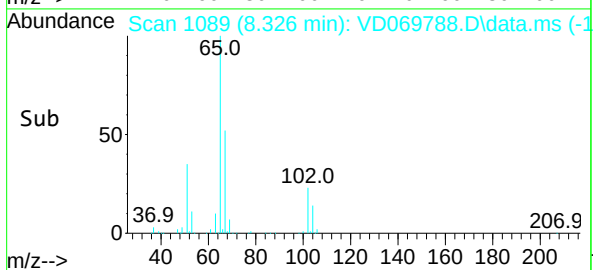
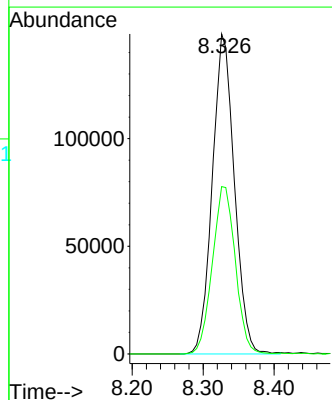
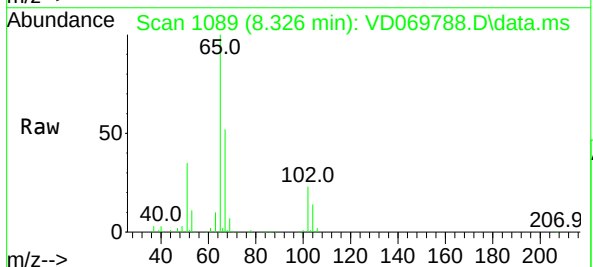


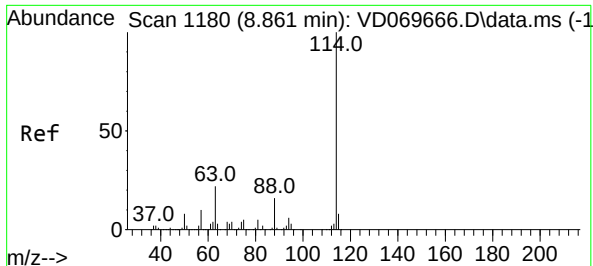
Tgt Ion: 56 Resp: 14089
Ion Ratio Lower Upper
56 100
69 168.1 26.6 39.8#
84 144.6 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 48.079 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069788.D
Acq: 21 Jul 2021 13:52

Tgt Ion: 65 Resp: 320390
Ion Ratio Lower Upper
65 100
67 54.3 0.0 107.2



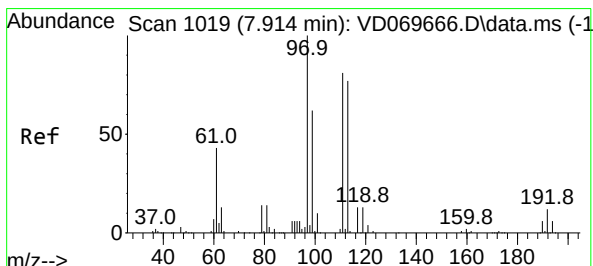
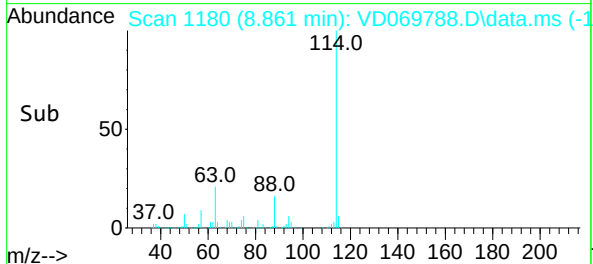
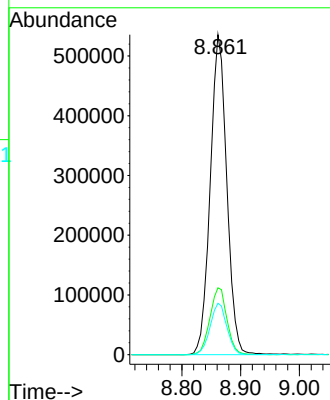
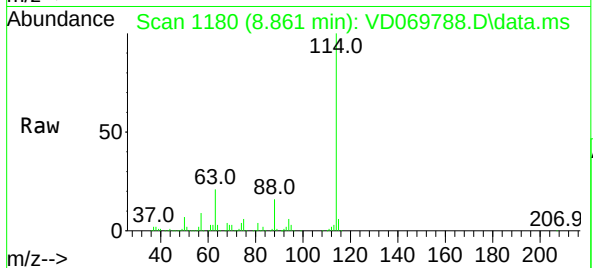


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069788.D
Acq: 21 Jul 2021 13:52

Instrument :
MSVOA_D
ClientSampleId :

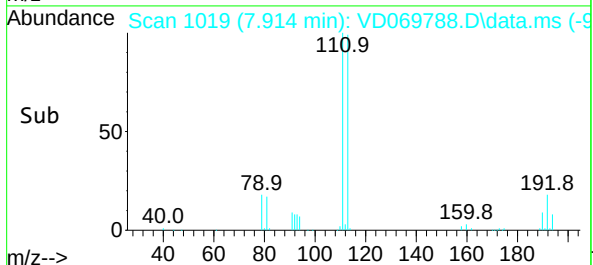
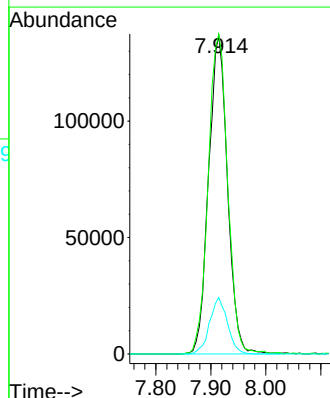
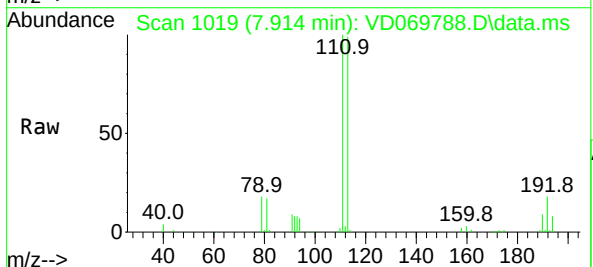
Tgt Ion:114 Resp: 1044273
Ion Ratio Lower Upper
114 100
63 20.9 0.0 43.4
88 16.0 0.0 32.0

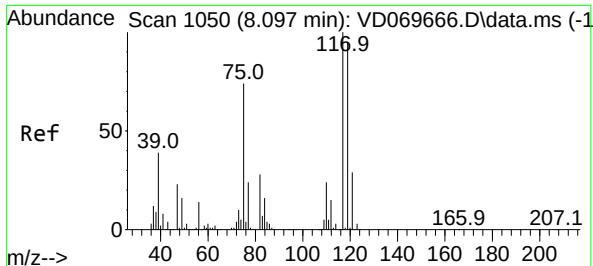


#35

Dibromofluoromethane
Concen: 46.595 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069788.D
Acq: 21 Jul 2021 13:52

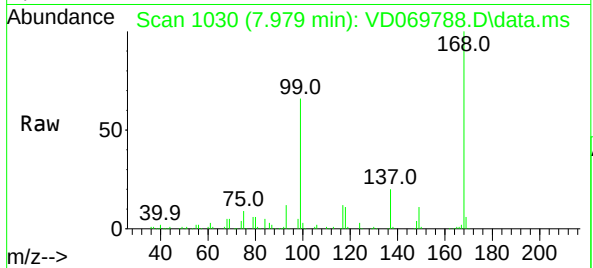
Tgt Ion:113 Resp: 326436
Ion Ratio Lower Upper
113 100
111 103.3 82.6 123.8
192 16.7 12.7 19.1



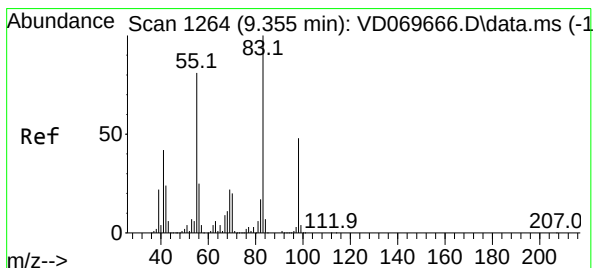
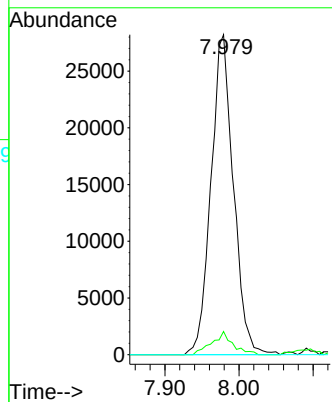
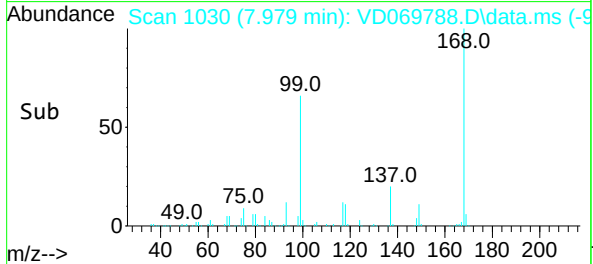


#38
Carbon Tetrachloride
Concen: 6.012 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069788.D
Acq: 21 Jul 2021 13:52

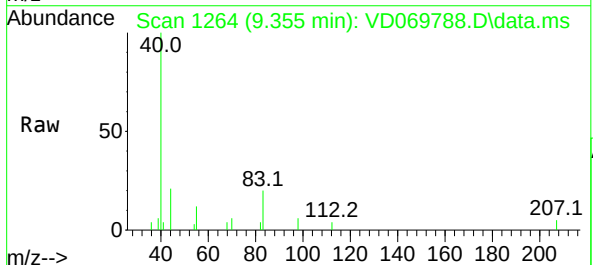
Instrument :
MSVOA_D
ClientSampled :



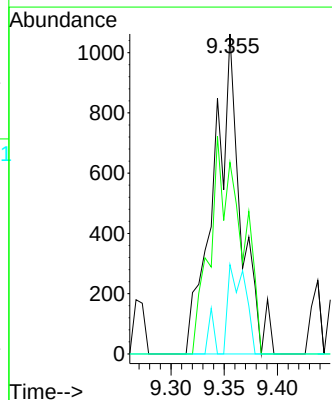
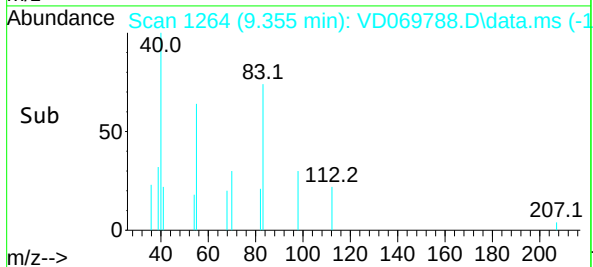
Tgt Ion:117 Resp: 59309
Ion Ratio Lower Upper
117 100
119 7.3 75.7 113.5#
121 0.0 23.0 34.6#

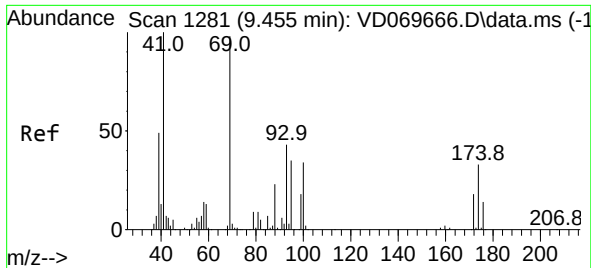


#39
Methylcyclohexane
Concen: 2.100 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VD069788.D
Acq: 21 Jul 2021 13:52



Tgt Ion: 83 Resp: 1899
Ion Ratio Lower Upper
83 100
55 59.9 64.6 97.0#
98 27.9 38.4 57.6#





#48

Methyl methacrylate

Concen: 1.158 ug/l

RT: 9.444 min Scan# 1279

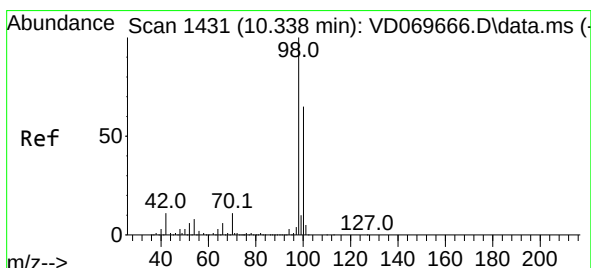
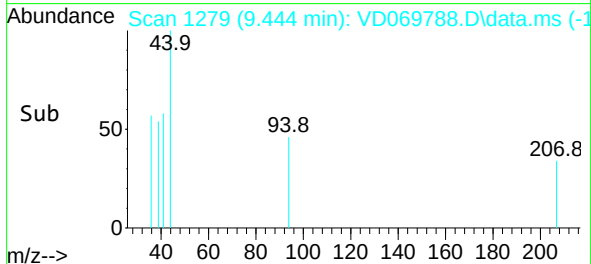
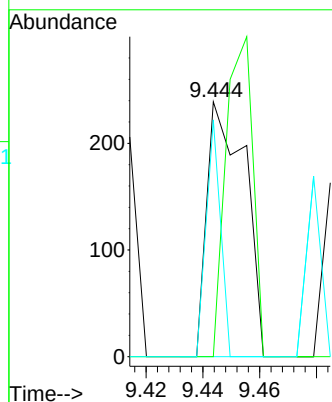
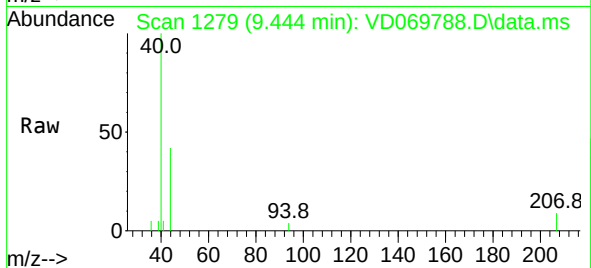
Delta R.T. -0.011 min

Lab File: VD069788.D

Acq: 21 Jul 2021 13:52

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:	41	Resp:	221
Ion	Ratio	Lower	Upper
41	100		
69	89.6	71.6	107.4
39	35.3	36.7	55.1#



#50

Toluene-d8

Concen: 51.171 ug/l

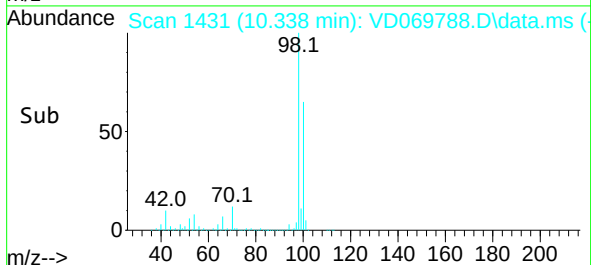
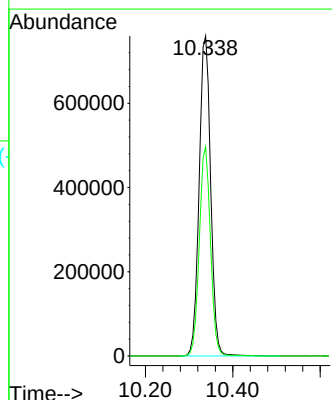
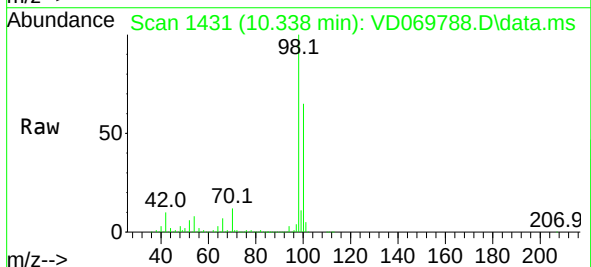
RT: 10.338 min Scan# 1431

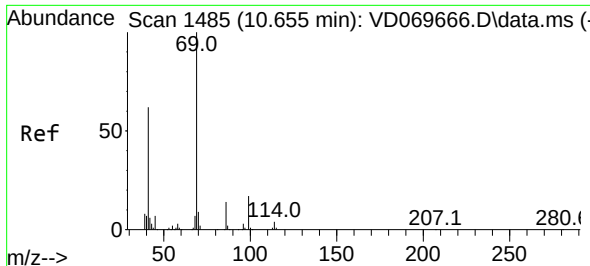
Delta R.T. -0.000 min

Lab File: VD069788.D

Acq: 21 Jul 2021 13:52

Tgt Ion:	98	Resp:	1392750
Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.2	78.2

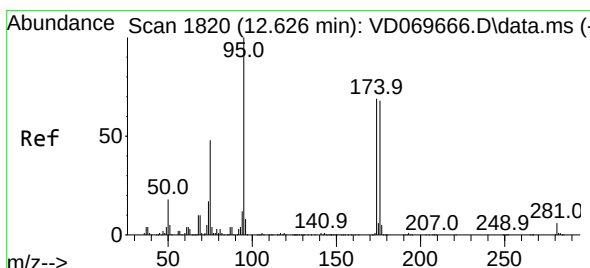
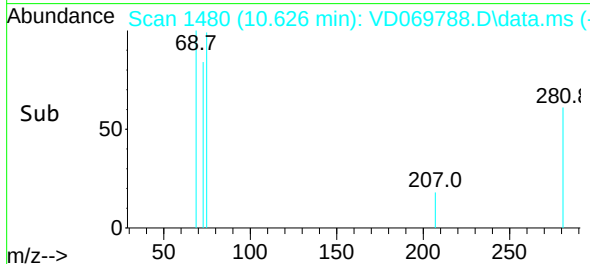
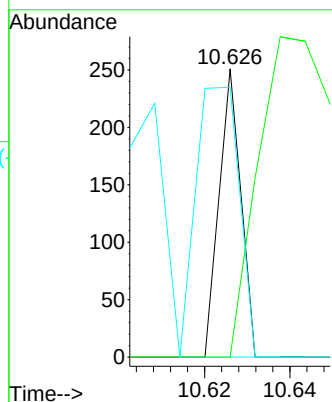
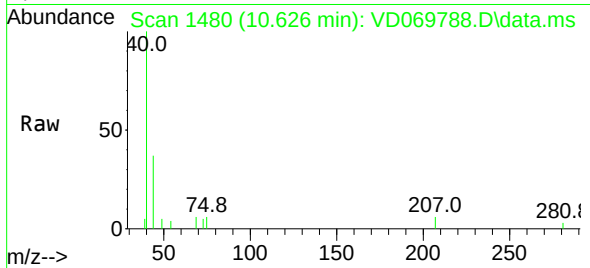




#56
Ethyl methacrylate
Concen: 1.677 ug/l
RT: 10.626 min Scan# 1480
Delta R.T. -0.029 min
Lab File: VD069788.D
Acq: 21 Jul 2021 13:52

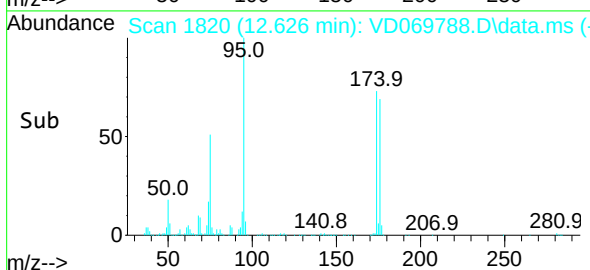
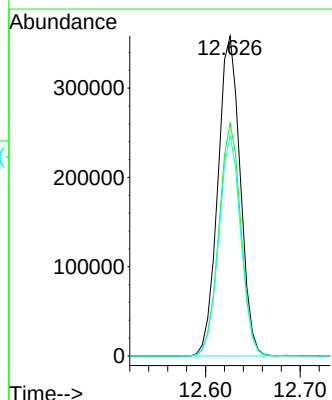
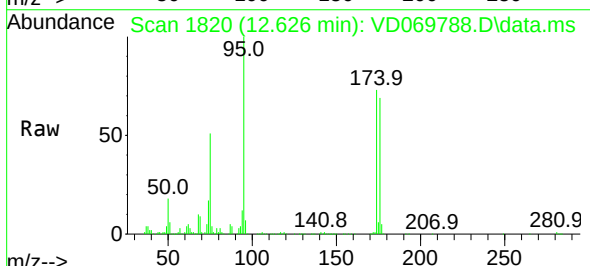
Instrument :
MSVOA_D
ClientSampleId :

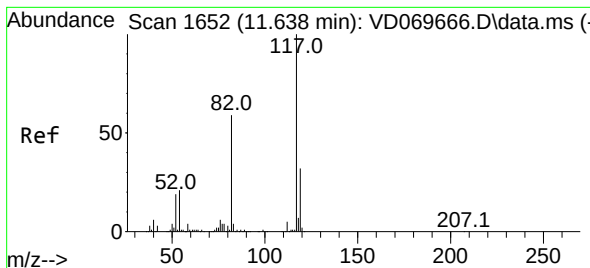
Tgt Ion: 69 Resp: 89
Ion Ratio Lower Upper
69 100
41 368.5 49.5 74.3#
39 185.4 22.5 33.7#



#62
4-Bromofluorobenzene
Concen: 64.698 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069788.D
Acq: 21 Jul 2021 13:52

Tgt Ion: 95 Resp: 587288
Ion Ratio Lower Upper
95 100
174 71.7 0.0 140.0
176 67.9 0.0 136.2

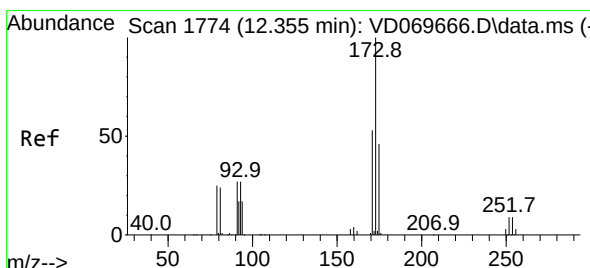
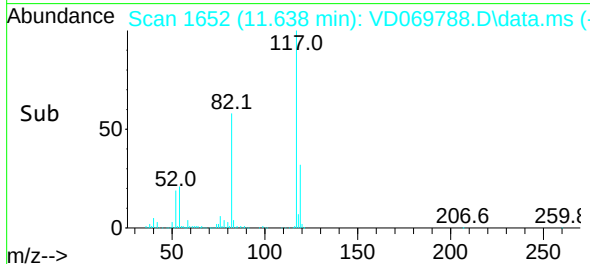
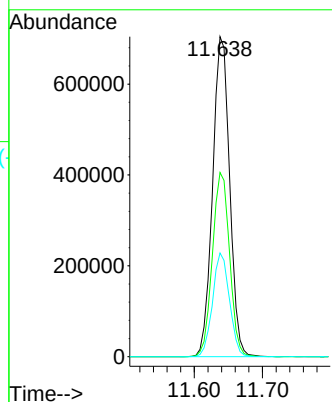
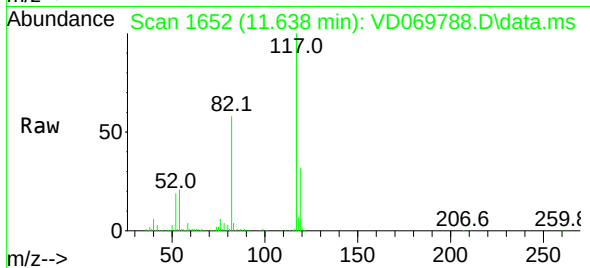




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069788.D
Acq: 21 Jul 2021 13:52

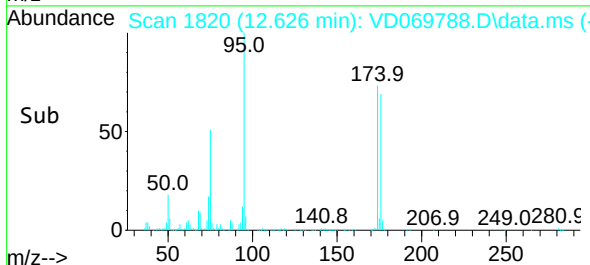
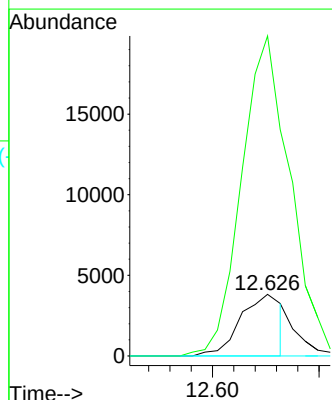
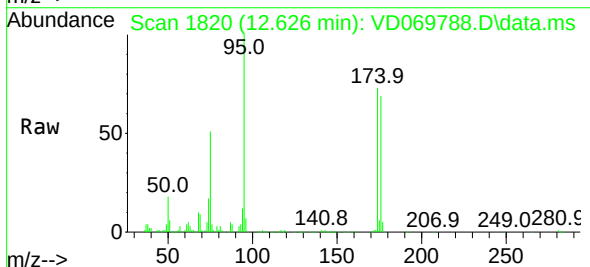
Instrument :
MSVOA_D
ClientSampleId :

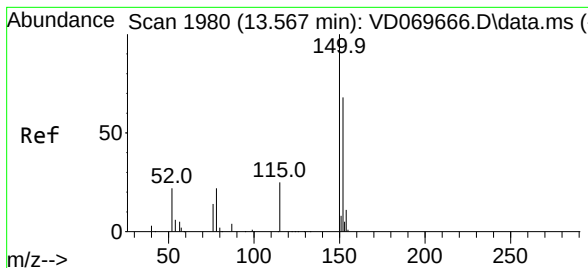
Tgt Ion:117 Resp: 1225595
Ion Ratio Lower Upper
117 100
82 57.6 47.4 71.2
119 32.4 25.5 38.3



#71
Bromoform
Concen: 1.214 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069788.D
Acq: 21 Jul 2021 13:52

Tgt Ion:173 Resp: 5149
Ion Ratio Lower Upper
173 100
175 483.7 24.2 72.6#
254 0.0 0.1 0.1#

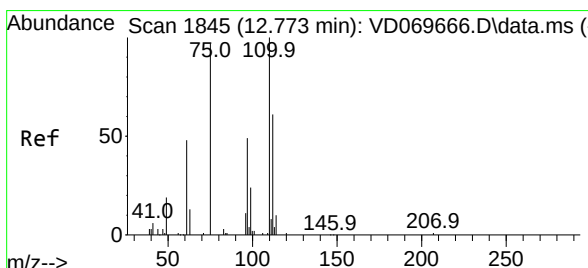
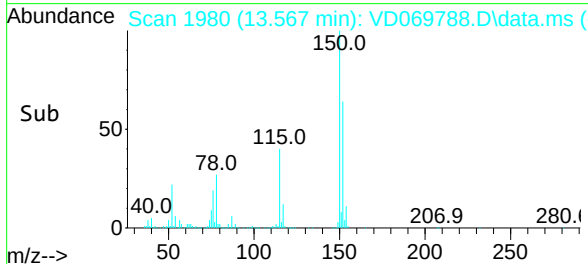
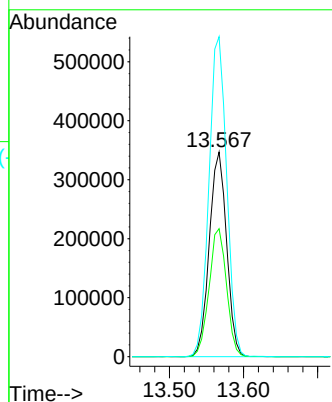
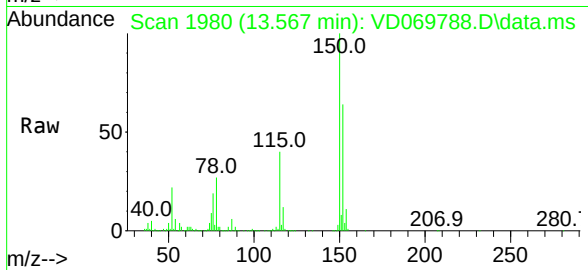




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069788.D
 Acq: 21 Jul 2021 13:52

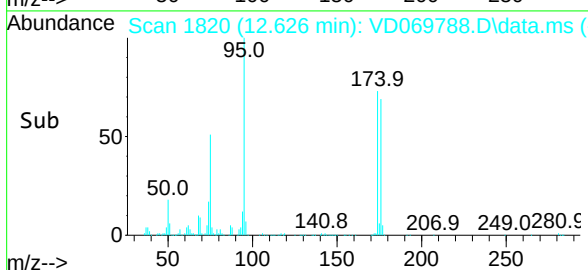
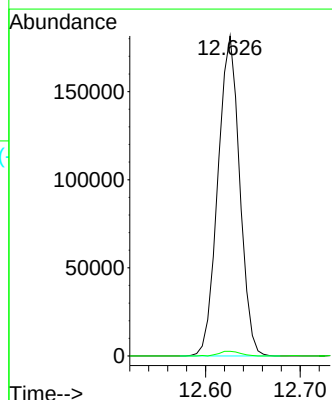
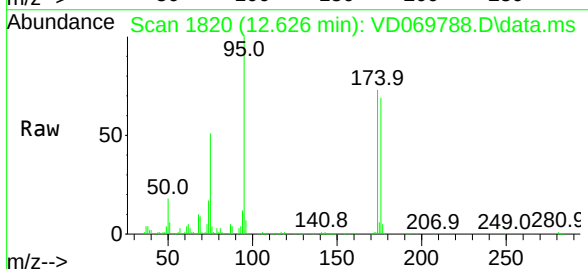
Instrument :
 MSVOA_D
 ClientSampleId :

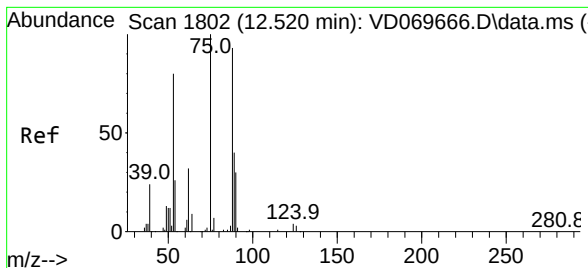
Tgt Ion:152 Resp: 562810
 Ion Ratio Lower Upper
 152 100
 115 63.1 31.7 95.1
 150 159.8 0.0 350.4



#76
 1,2,3-Trichloropropane
 Concen: 53.058 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069788.D
 Acq: 21 Jul 2021 13:52

Tgt Ion: 75 Resp: 290095
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

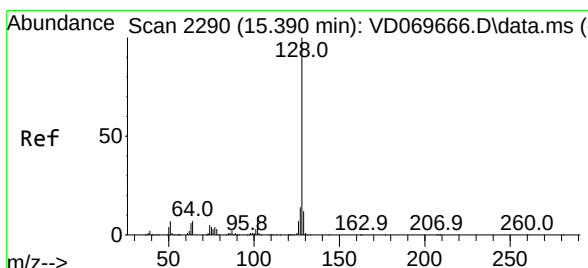
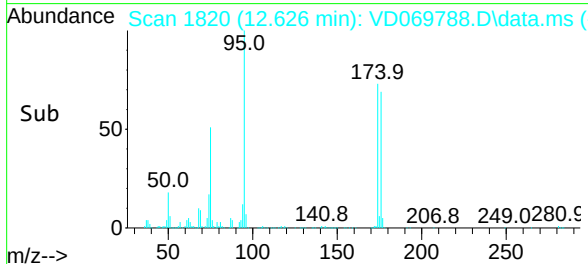
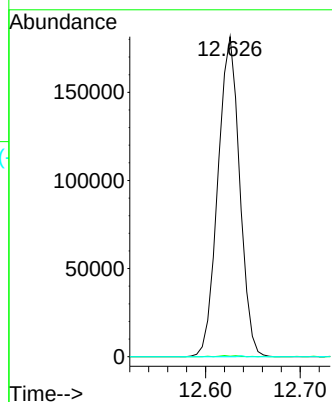
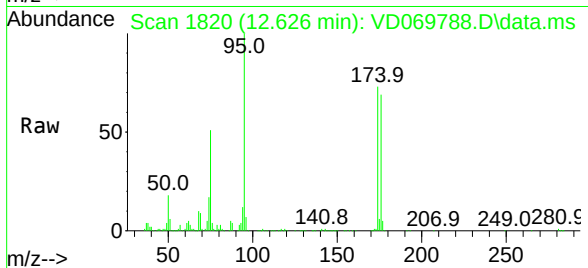




#81
trans-1,4-Dichloro-2-butene
Concen: 142.590 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069788.D
Acq: 21 Jul 2021 13:52

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 290095
Ion Ratio Lower Upper
75 100
53 0.3 70.6 106.0#
89 0.1 35.1 52.7#



#95
Naphthalene
Concen: 2.255 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069788.D
Acq: 21 Jul 2021 13:52

Tgt Ion:128 Resp: 923
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 7.2 8.8 13.2#

