

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102121\
 Data File : VD070801.D
 Acq On : 21 Oct 2021 15:18
 Operator : VA/SY
 Sample : M4285-16RE
 Misc : 5.51G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

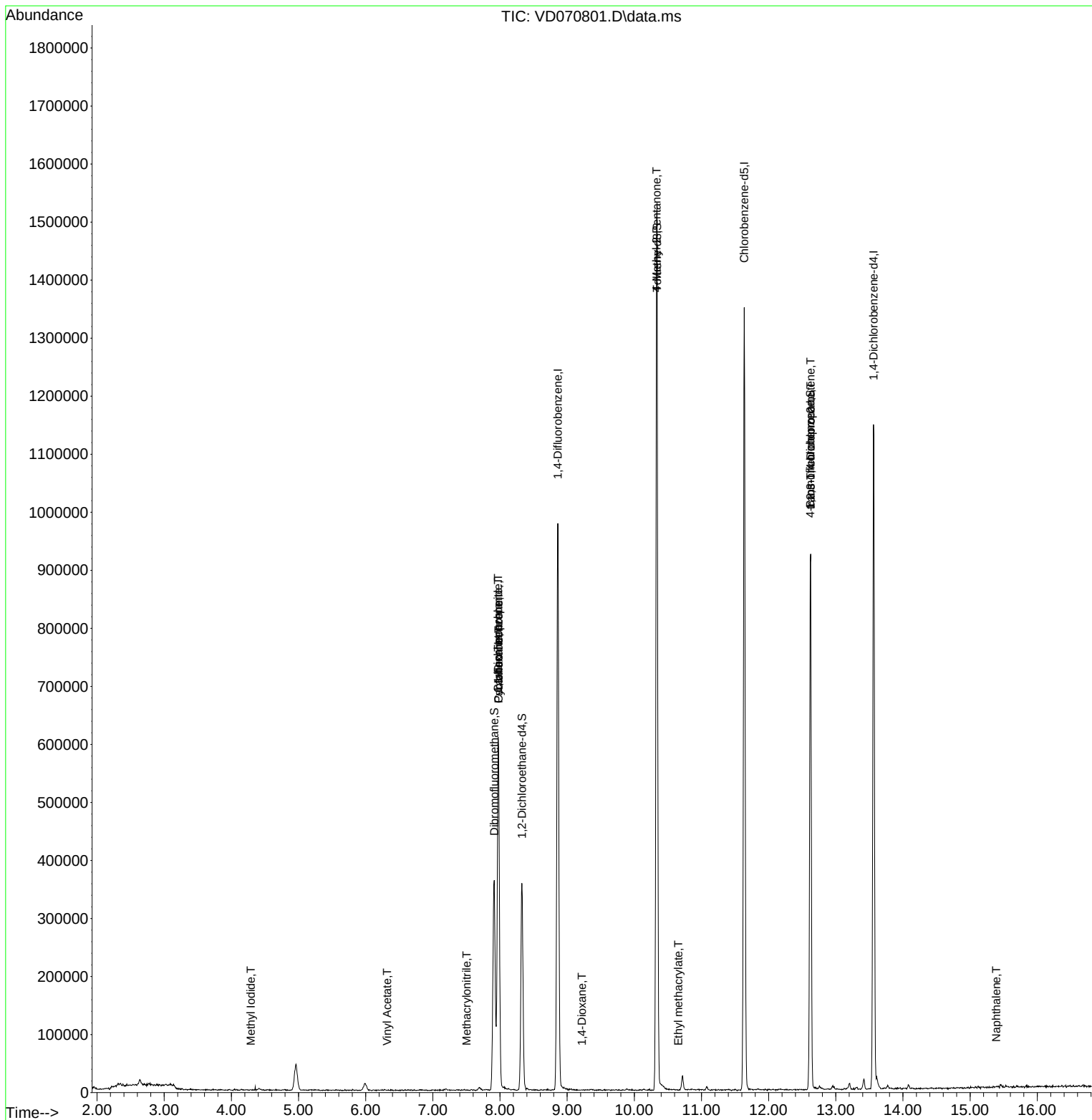
Quant Time: Oct 22 06:15:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

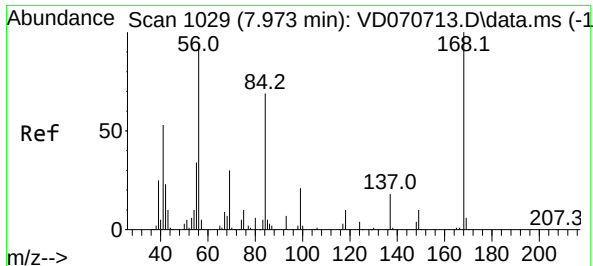
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	419619	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	782269	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	740590	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	298424	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	283029	56.946	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.900%
35) Dibromofluoromethane	7.914	113	257354	51.379	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.760%
50) Toluene-d8	10.337	98	1021553	53.203	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.400%
62) 4-Bromofluorobenzene	12.620	95	313378	47.399	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.800%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	514	3.411	ug/l #	52
20) Methylene Chloride	4.967	84	32554	Below Cal		89
23) Vinyl Acetate	6.320	43	60	16.335	ug/l #	69
31) Cyclohexane	7.979	56	11963	1.190	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	40203	4.613	ug/l #	49
38) Carbon Tetrachloride	7.973	117	45686	5.473	ug/l #	17
41) Methacrylonitrile	7.502	41	267	2.056	ug/l #	16
49) 1,4-Dioxane	9.220	88	60	1.760	ug/l #	23
51) 4-Methyl-2-Pentanone	10.331	43	4498	1.239	ug/l #	1
56) Ethyl methacrylate	10.655	69	334	4.207	ug/l #	55
76) 1,2,3-Trichloropropane	12.625	75	159089	61.704	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.625	75	159089	135.151	ug/l #	18
95) Naphthalene	15.390	128	1044	4.890	ug/l #	75

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

Quant Time: Oct 22 06:15:23 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 18 08:32:03 2021
Response via : Initial Calibration

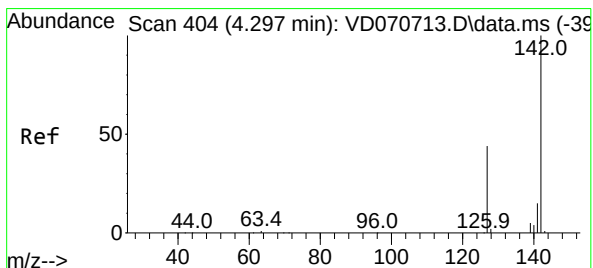
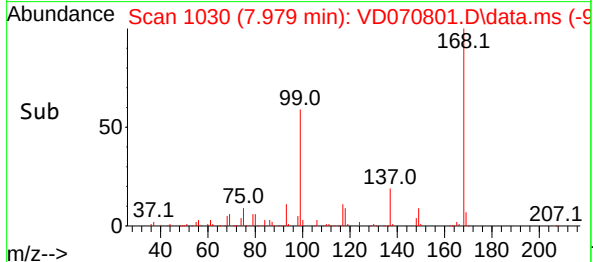
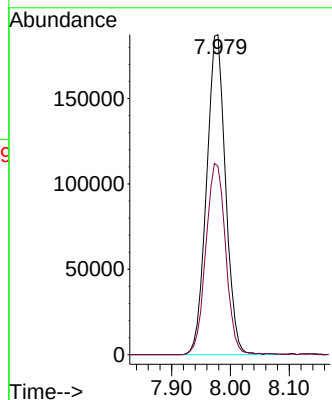
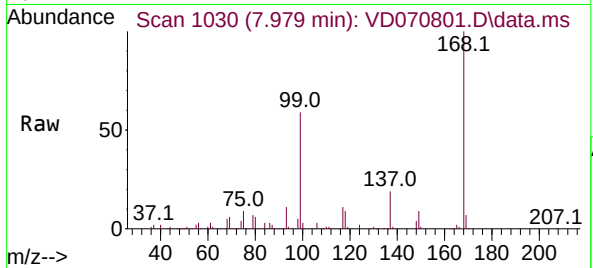




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD070801.D
Acq: 21 Oct 2021 15:18

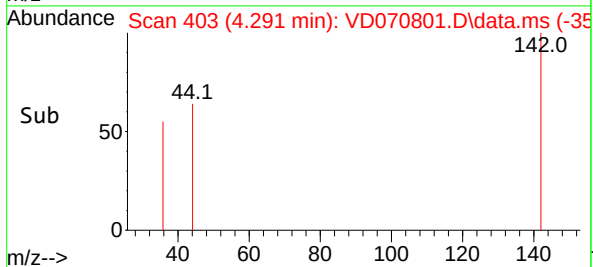
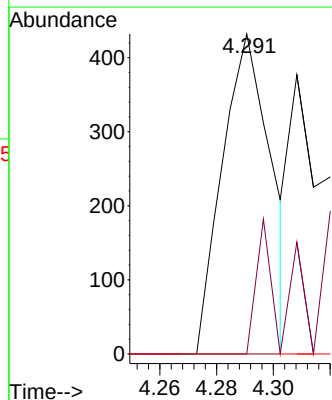
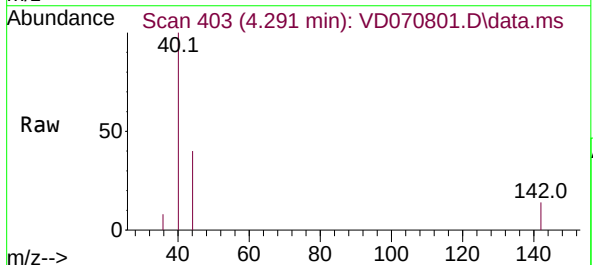
Instrument :
MSVOA_D
ClientSampled :

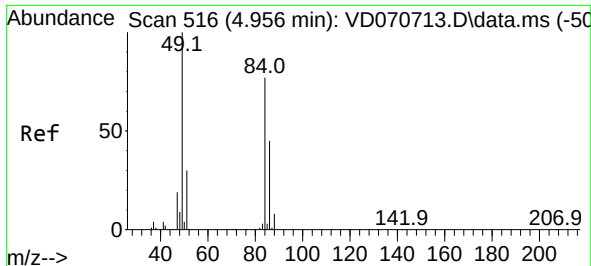
Tgt Ion:168 Resp: 419619
Ion Ratio Lower Upper
168 100
99 58.9 51.4 77.0



#10
Methyl Iodide
Concen: 3.411 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD070801.D
Acq: 21 Oct 2021 15:18

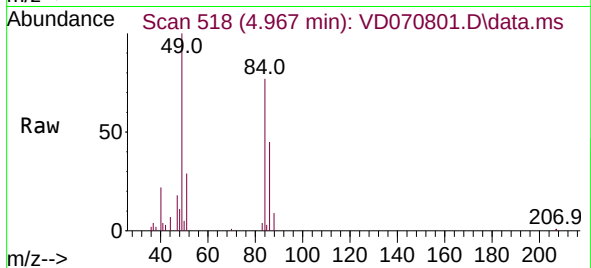
Tgt Ion:142 Resp: 514
Ion Ratio Lower Upper
142 100
127 12.5 37.5 56.3#
141 0.0 12.1 18.1#



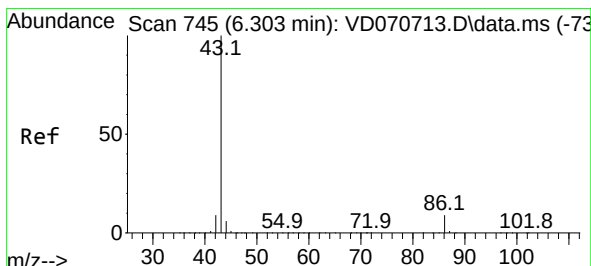
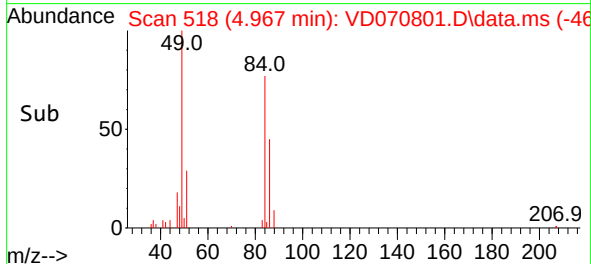
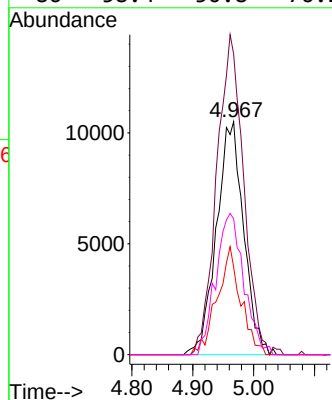


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.011 min
Lab File: VD070801.D
Acq: 21 Oct 2021 15:18

Instrument :
MSVOA_D
ClientSampleId :

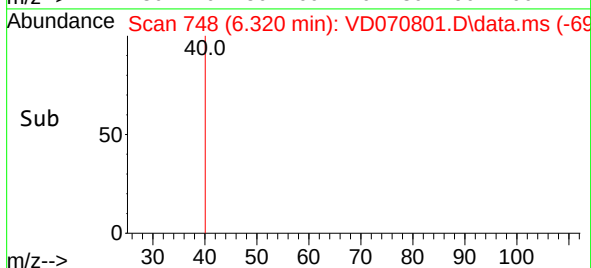
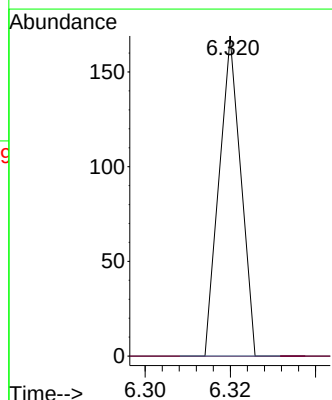
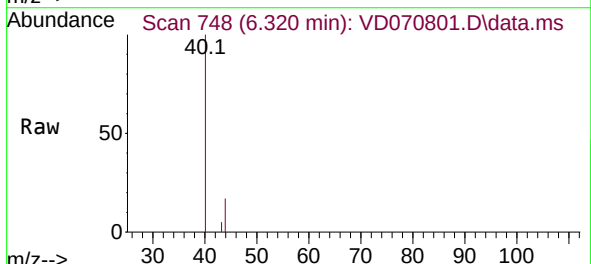


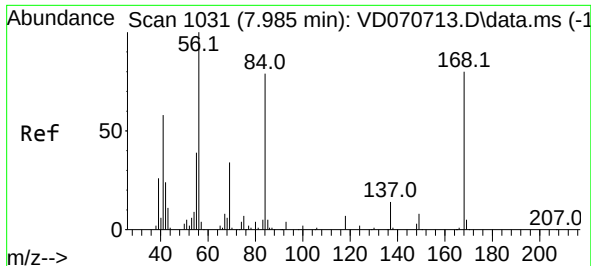
Tgt Ion:	84	Resp:	32554
Ion	Ratio	Lower	Upper
84	100		
49	129.1	91.4	137.2
51	37.6	26.7	40.1
86	58.4	50.8	76.2



#23
Vinyl Acetate
Concen: 16.335 ug/l
RT: 6.320 min Scan# 748
Delta R.T. 0.017 min
Lab File: VD070801.D
Acq: 21 Oct 2021 15:18

Tgt Ion:	43	Resp:	60
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.8	14.6#

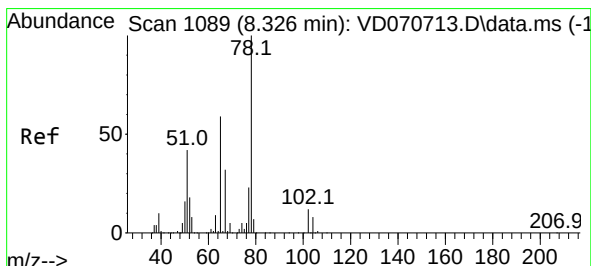
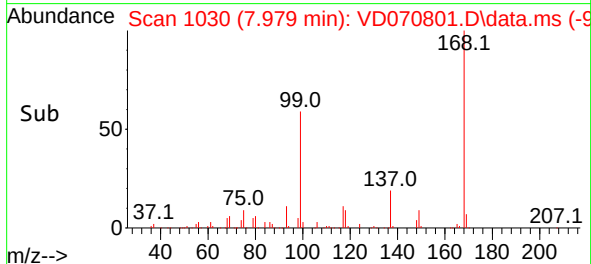
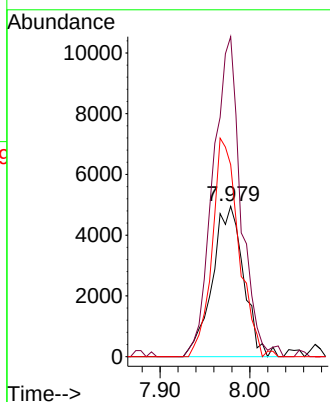
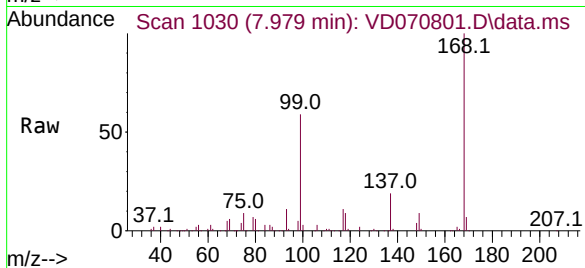




#31
Cyclohexane
Concen: 1.190 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070801.D
Acq: 21 Oct 2021 15:18

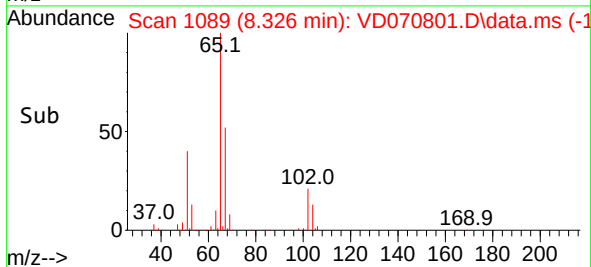
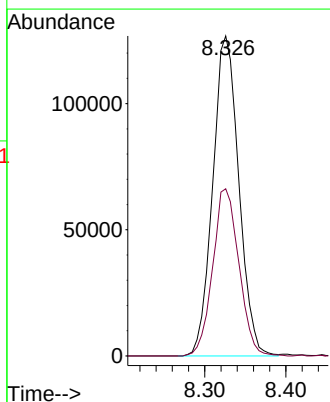
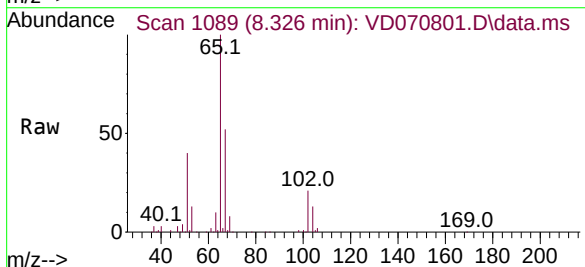
Instrument :
MSVOA_D
ClientSampled :

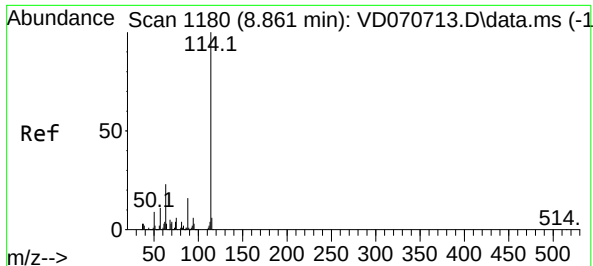
Tgt Ion: 56 Resp: 11963
Ion Ratio Lower Upper
56 100
69 212.7 27.4 41.2#
84 127.6 73.6 110.4#



#33
1,2-Dichloroethane-d4
Concen: 56.946 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070801.D
Acq: 21 Oct 2021 15:18

Tgt Ion: 65 Resp: 283029
Ion Ratio Lower Upper
65 100
67 52.5 0.0 110.2



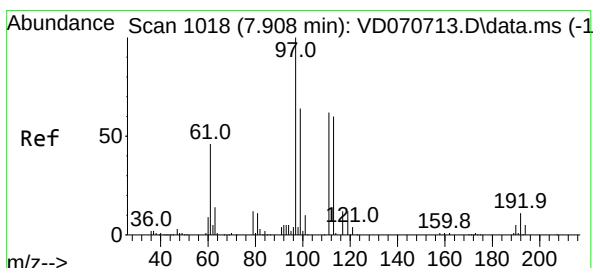
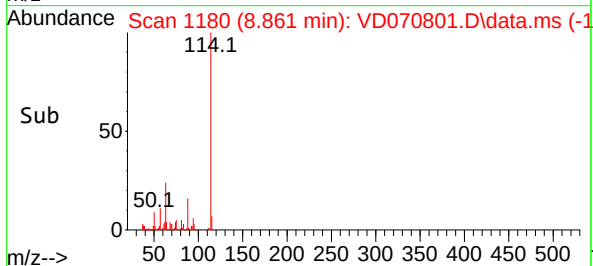
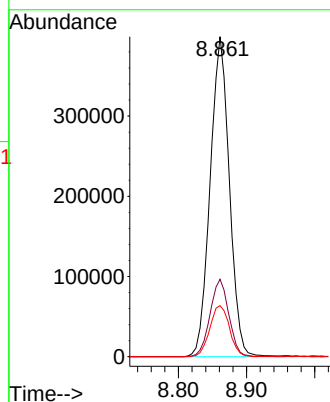
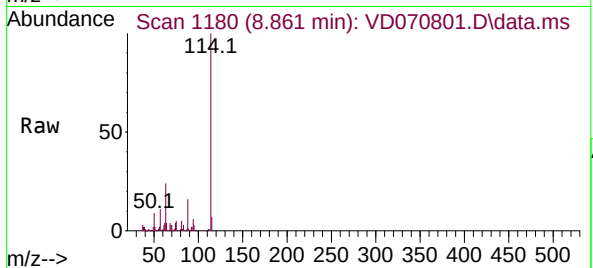


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070801.D
Acq: 21 Oct 2021 15:18

Instrument :
MSVOA_D
ClientSampleId :

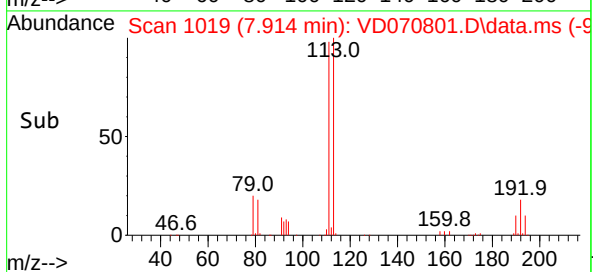
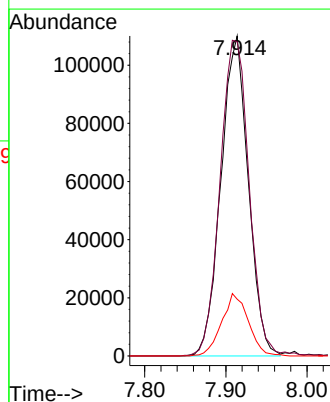
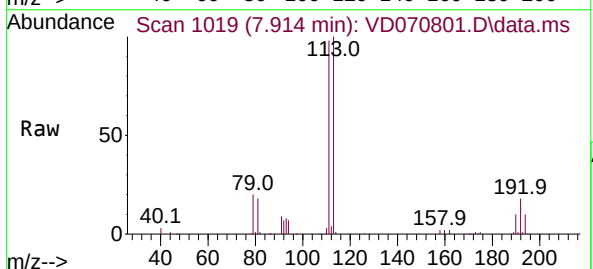
Tgt Ion:114	Resp: 782269
Ion Ratio	Lower Upper
114 100	
63 24.2	0.0 41.8
88 16.0	0.0 32.6

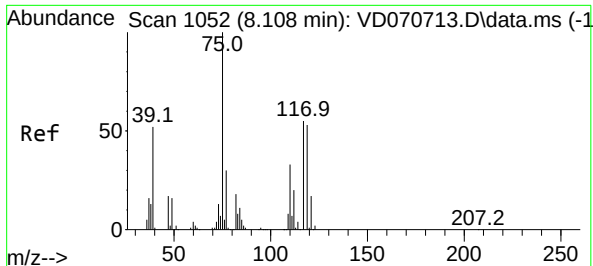


#35

Dibromofluoromethane
Concen: 51.379 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VD070801.D
Acq: 21 Oct 2021 15:18

Tgt Ion:113	Resp: 257354
Ion Ratio	Lower Upper
113 100	
111 105.4	83.1 124.7
192 19.1	12.7 19.1

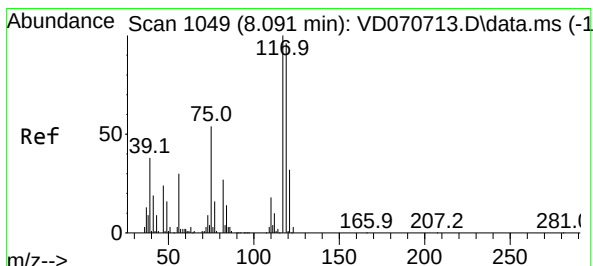
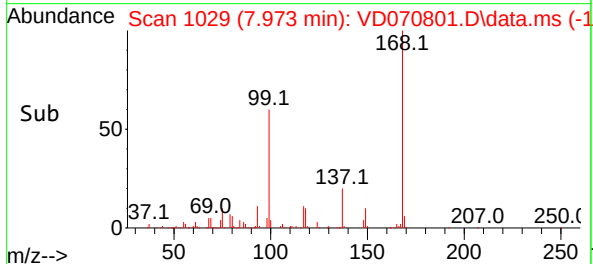
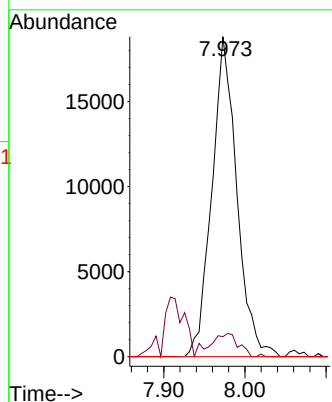
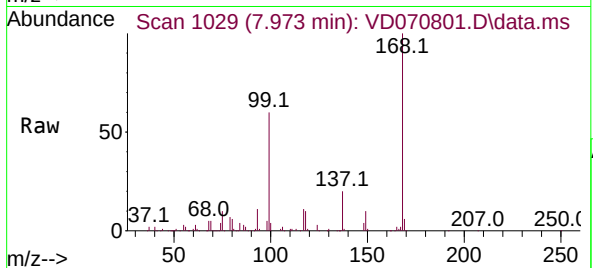




#36
1,1-Dichloropropene
Concen: 4.613 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.136 min
Lab File: VD070801.D
Acq: 21 Oct 2021 15:18

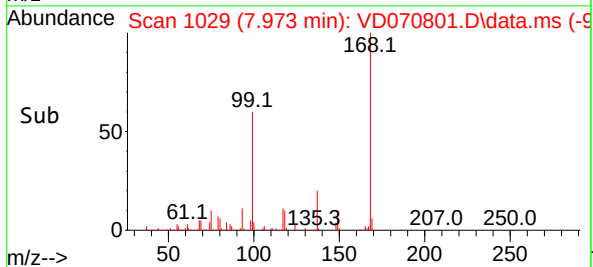
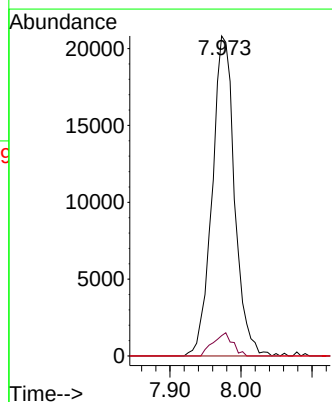
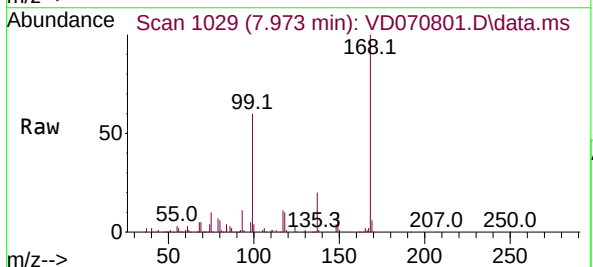
Instrument :
MSVOA_D
ClientSampled :

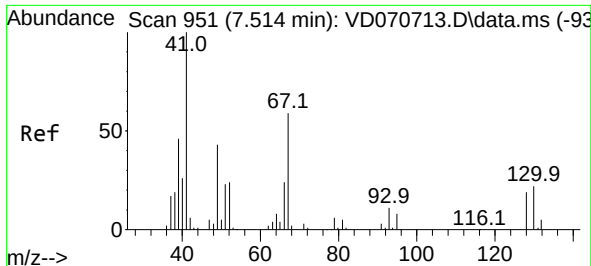
Tgt Ion: 75 Resp: 40203
Ion Ratio Lower Upper
75 100
110 7.2 17.2 51.6#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 5.473 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD070801.D
Acq: 21 Oct 2021 15:18

Tgt Ion:117 Resp: 45686
Ion Ratio Lower Upper
117 100
119 6.4 77.4 116.0#
121 0.0 25.4 38.0#

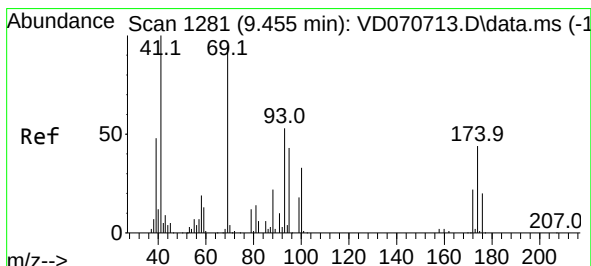
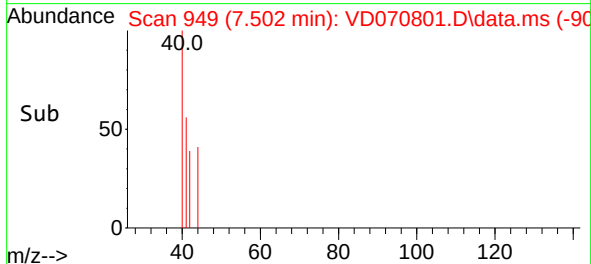
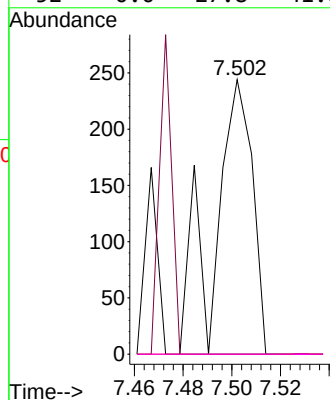
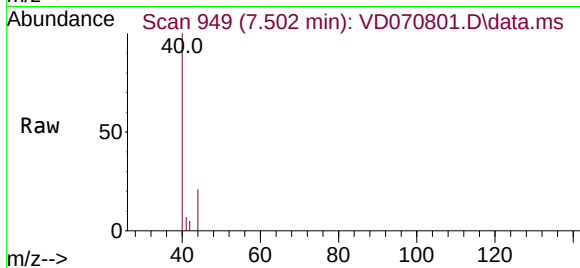




#41
Methacrylonitrile
Concen: 2.056 ug/l
RT: 7.502 min Scan# 949
Delta R.T. -0.012 min
Lab File: VD070801.D
Acq: 21 Oct 2021 15:18

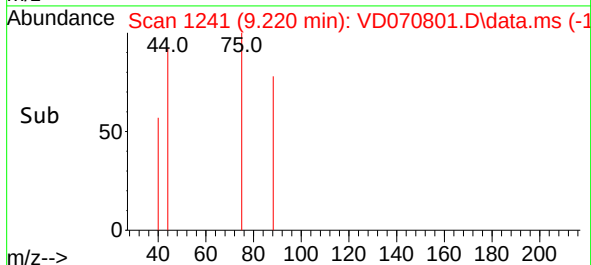
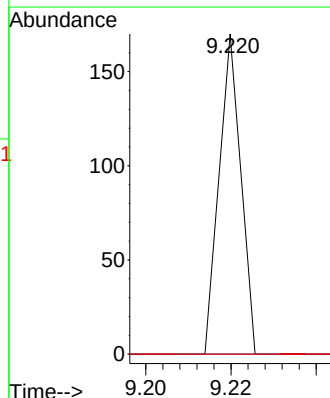
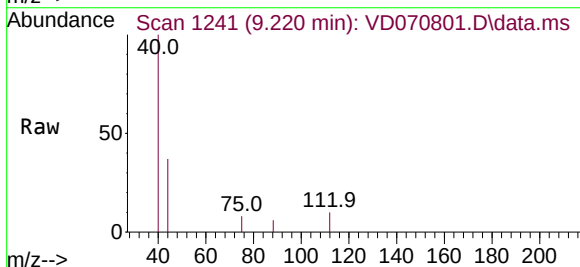
Instrument :
MSVOA_D
ClientSampleId :

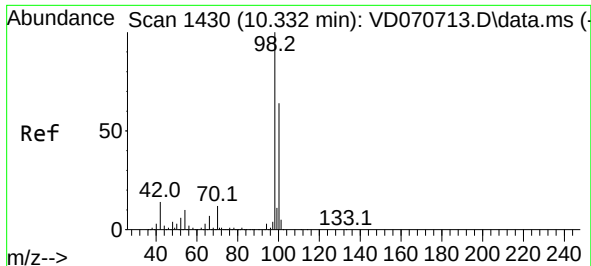
Tgt Ion:	41	Resp:	267
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.2	67.8#
67	0.0	75.8	113.6#
52	0.0	27.8	41.8#



#49
1,4-Dioxane
Concen: 1.760 ug/l
RT: 9.220 min Scan# 1241
Delta R.T. -0.236 min
Lab File: VD070801.D
Acq: 21 Oct 2021 15:18

Tgt Ion:	88	Resp:	60
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.1	37.7#
58	0.0	57.4	86.0#

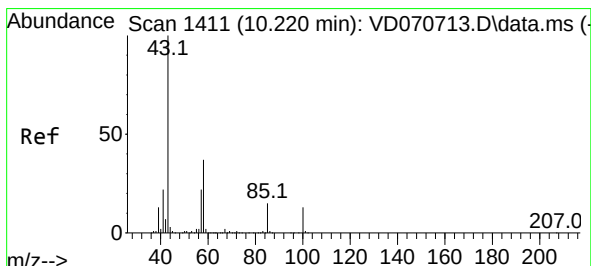
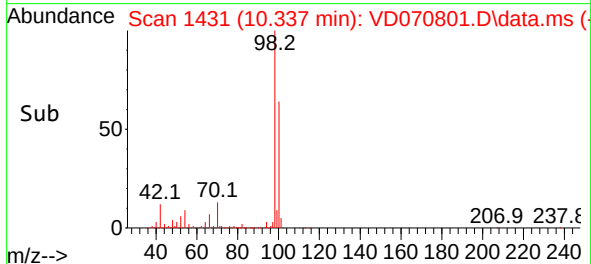
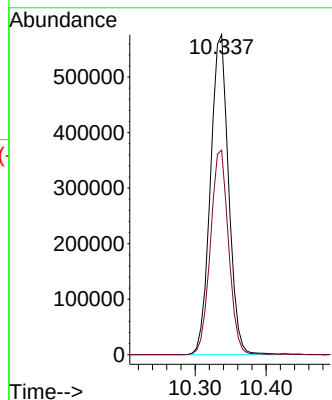
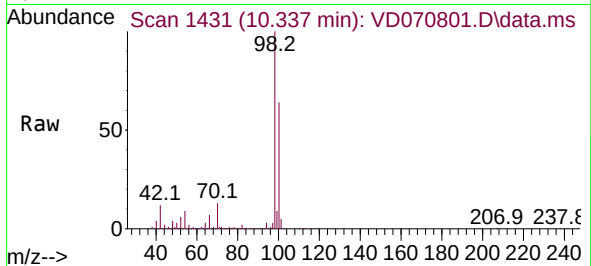




#50
Toluene-d8
Concen: 53.203 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070801.D
Acq: 21 Oct 2021 15:18

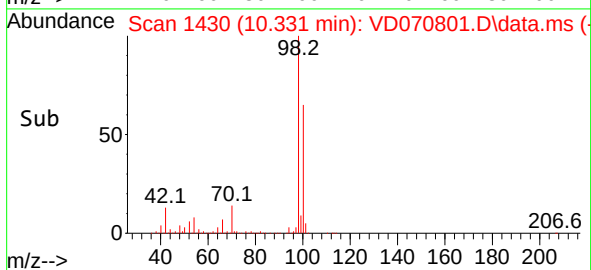
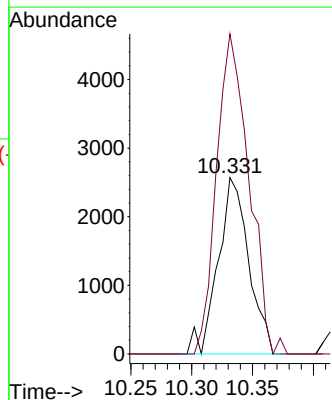
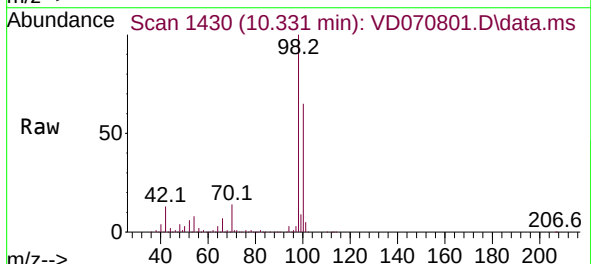
Instrument :
MSVOA_D
ClientSampled :

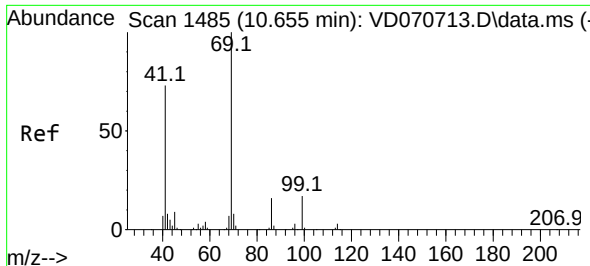
Tgt Ion: 98 Resp: 1021553
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.239 ug/l
RT: 10.331 min Scan# 1430
Delta R.T. 0.111 min
Lab File: VD070801.D
Acq: 21 Oct 2021 15:18

Tgt Ion: 43 Resp: 4498
Ion Ratio Lower Upper
43 100
58 191.7 35.0 52.6#

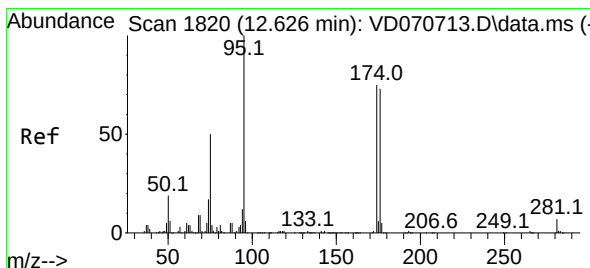
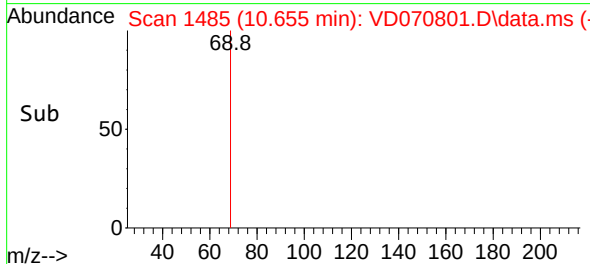
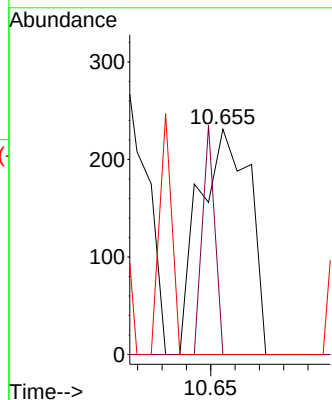
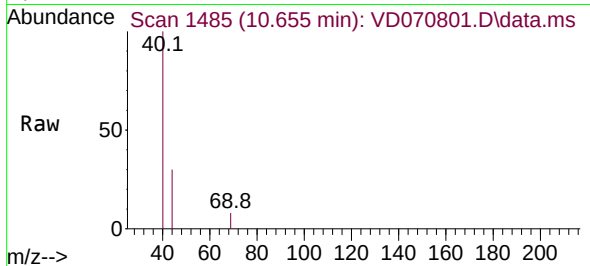




#56
Ethyl methacrylate
Concen: 4.207 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. -0.000 min
Lab File: VD070801.D
Acq: 21 Oct 2021 15:18

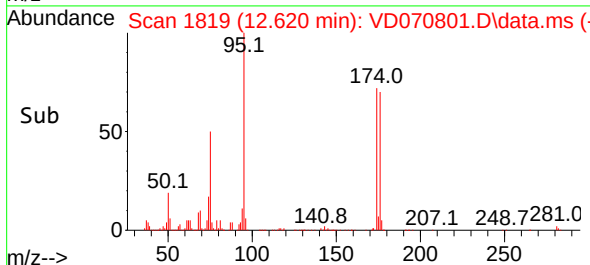
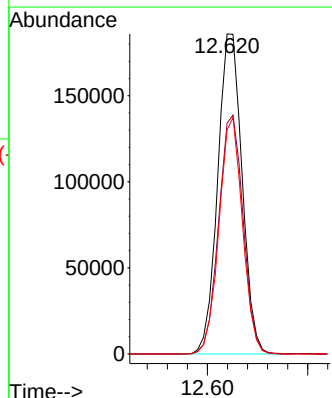
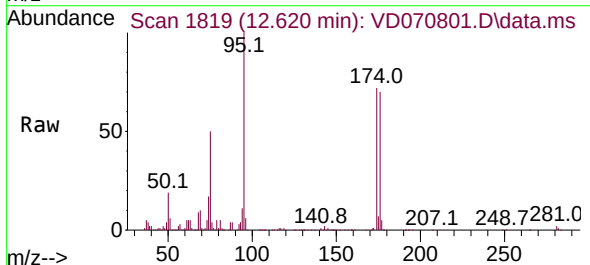
Instrument :
MSVOA_D
ClientSampleId :

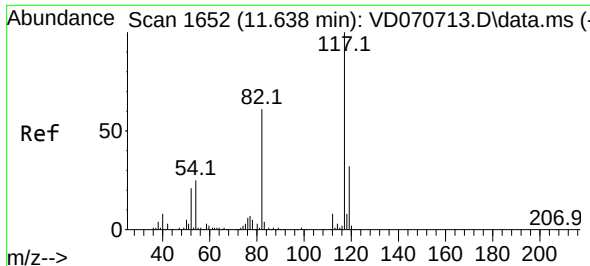
Tgt Ion: 69 Resp: 334
Ion Ratio Lower Upper
69 100
41 24.9 44.7 67.1#
39 0.0 19.5 29.3#



#62
4-Bromofluorobenzene
Concen: 47.399 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070801.D
Acq: 21 Oct 2021 15:18

Tgt Ion: 95 Resp: 313378
Ion Ratio Lower Upper
95 100
174 74.6 0.0 138.0
176 71.0 0.0 135.6

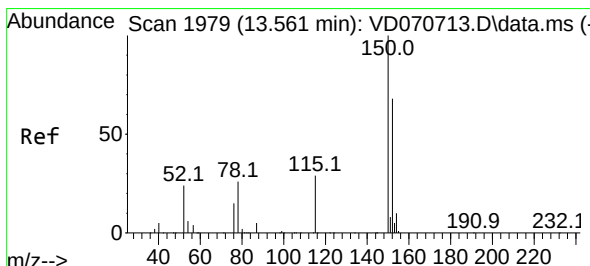
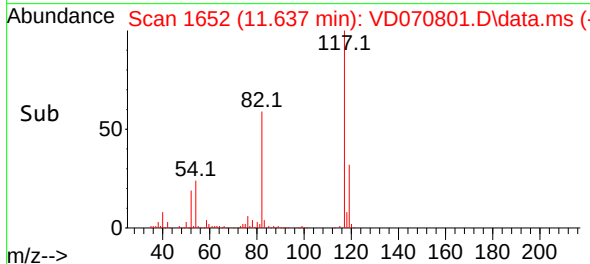
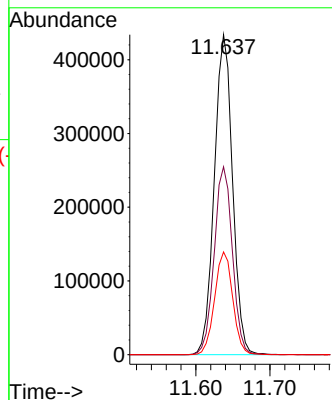
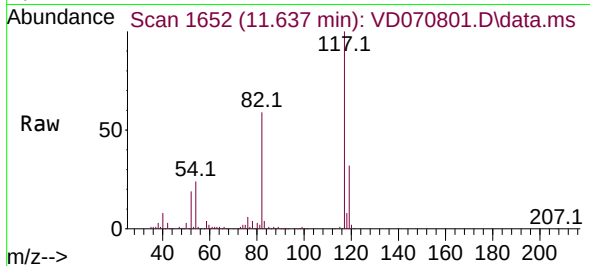




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070801.D
Acq: 21 Oct 2021 15:18

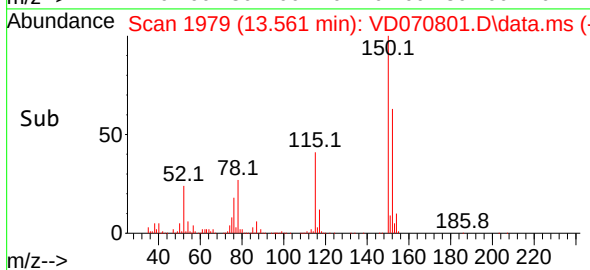
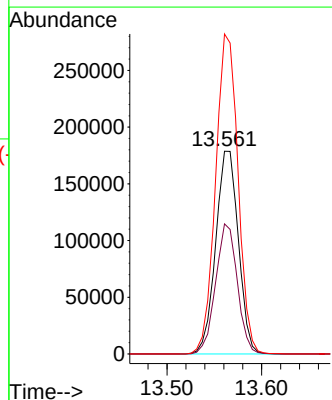
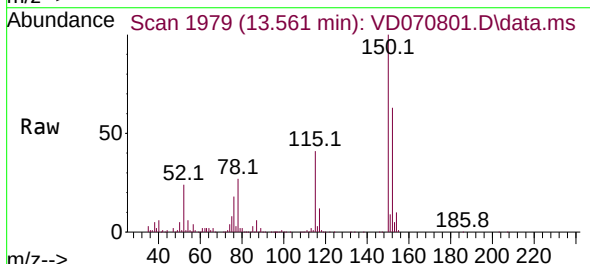
Instrument :
MSVOA_D
ClientSampleId :

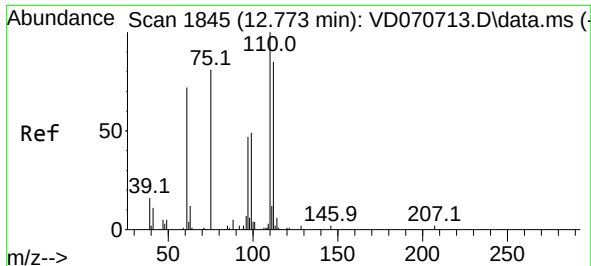
Tgt Ion:117 Resp: 740590
Ion Ratio Lower Upper
117 100
82 58.7 45.4 68.2
119 32.1 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070801.D
Acq: 21 Oct 2021 15:18

Tgt Ion:152 Resp: 298424
Ion Ratio Lower Upper
152 100
115 61.3 31.9 95.7
150 155.8 0.0 350.0

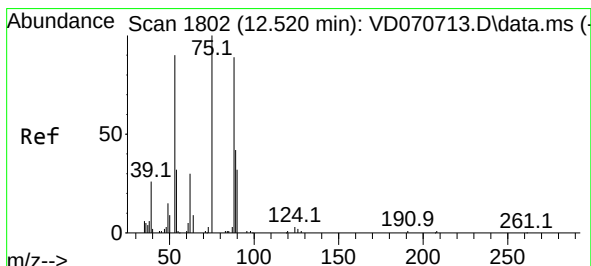
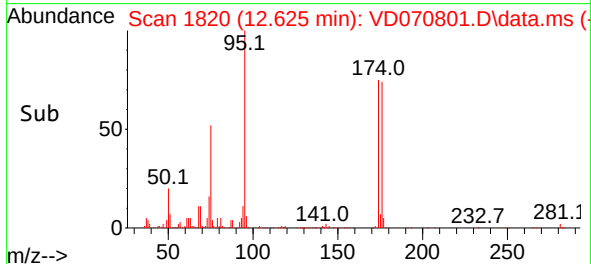
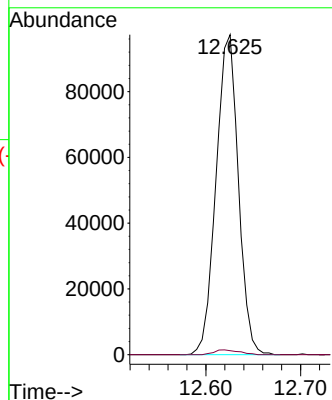
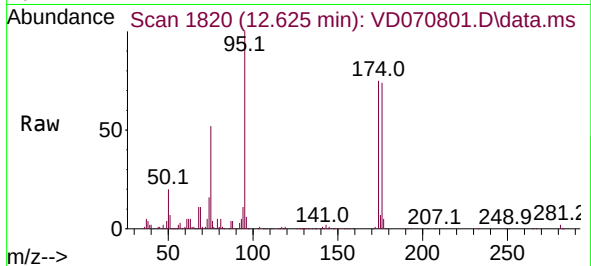




#76
1,2,3-Trichloropropane
Concen: 61.704 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070801.D
Acq: 21 Oct 2021 15:18

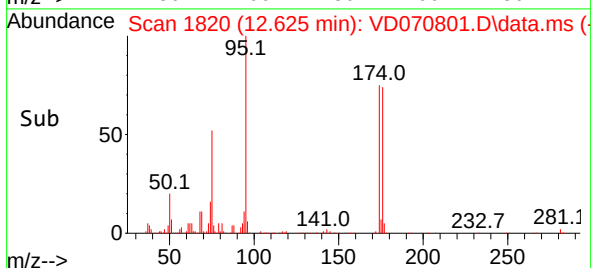
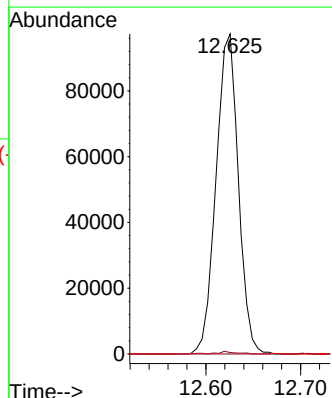
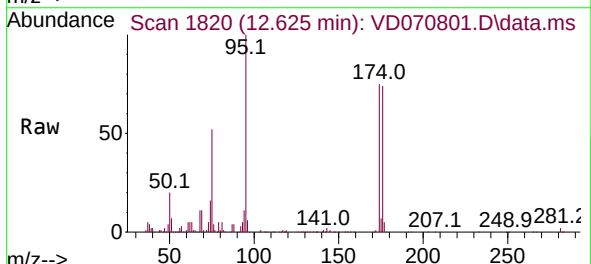
Instrument :
MSVOA_D
ClientSampleId :

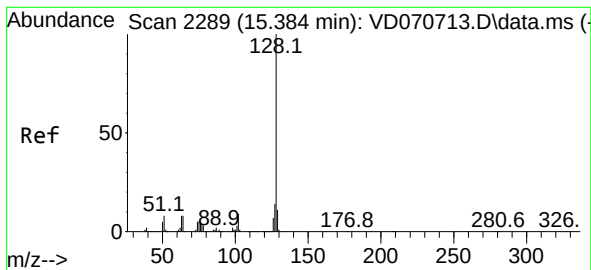
Tgt Ion: 75 Resp: 159089
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 135.151 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070801.D
Acq: 21 Oct 2021 15:18

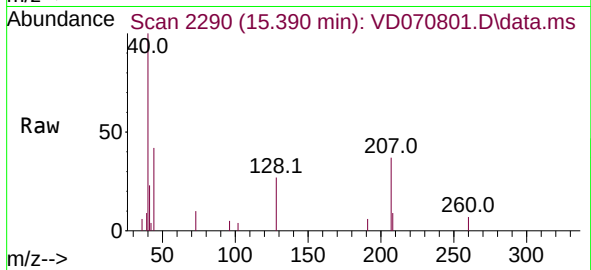
Tgt Ion: 75 Resp: 159089
Ion Ratio Lower Upper
75 100
53 0.6 64.5 96.7#
89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 4.890 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.006 min
Lab File: VD070801.D
Acq: 21 Oct 2021 15:18

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 1044
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 5.2 8.6 12.8#

