

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081121\
 Data File : VD070025.D
 Acq On : 11 Aug 2021 16:04
 Operator : VA/SY
 Sample : M3333-07RE
 Misc : 5.24G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 12 05:30:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

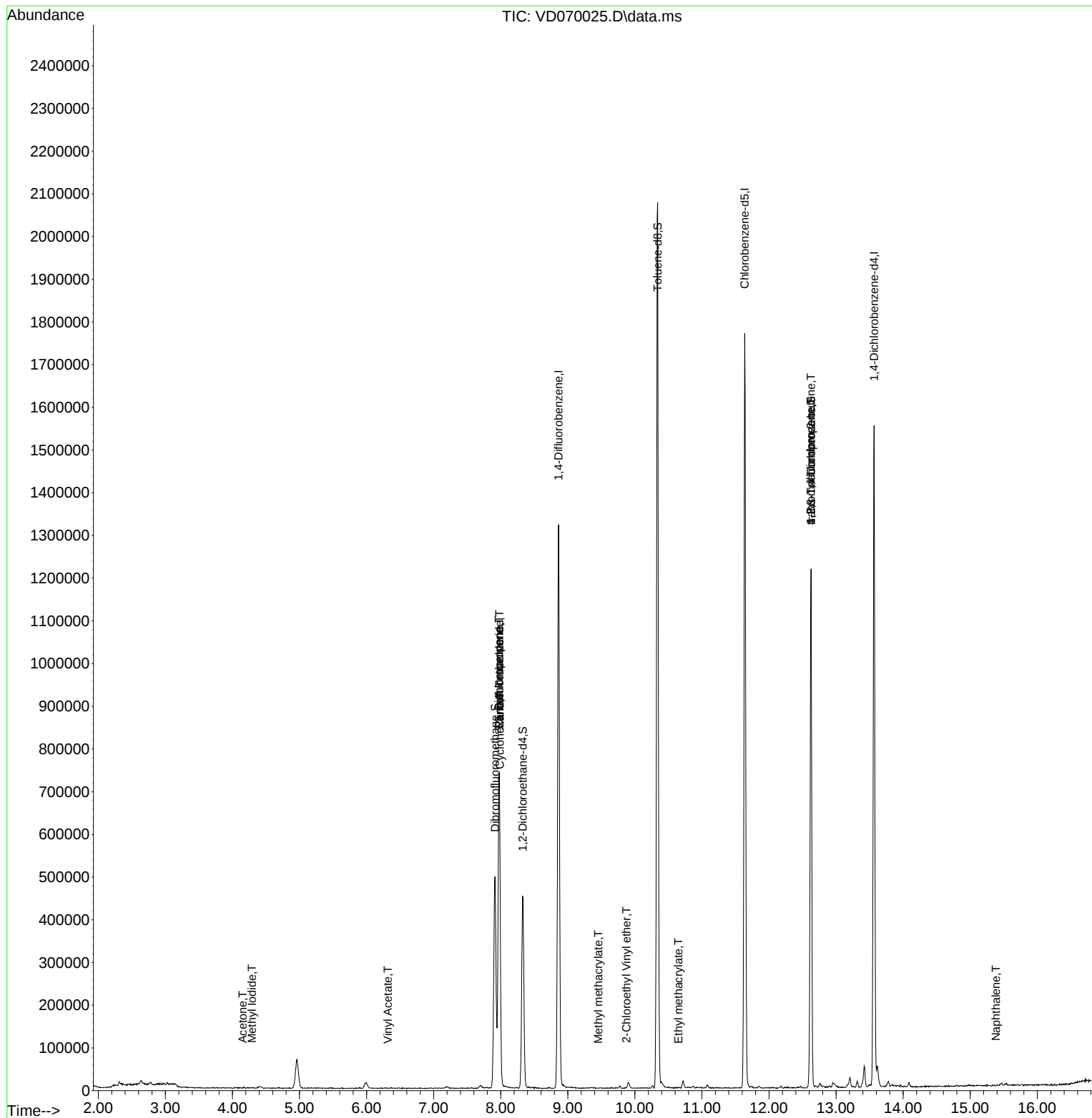
Internal Standards						
1) Pentafluorobenzene	7.979	168	529741	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1099707	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1023841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	402342	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	356687	58.545	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.100%
35) Dibromofluoromethane	7.914	113	368521	53.158	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.320%
50) Toluene-d8	10.338	98	1439418	53.847	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.700%
62) 4-Bromofluorobenzene	12.626	95	413281	46.261	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.520%
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	2842	Below Cal	#	75
10) Methyl Iodide	4.291	142	786	3.574	ug/l #	40
16) Acetone	4.150	43	1430	1.299	ug/l #	38
23) Vinyl Acetate	6.314	43	61	20.354	ug/l #	71
31) Cyclohexane	7.985	56	13338	1.120	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	45853	3.864	ug/l #	50
38) Carbon Tetrachloride	7.979	117	56541	5.216	ug/l #	18
48) Methyl methacrylate	9.456	41	58	2.760	ug/l #	1
56) Ethyl methacrylate	10.650	69	292	3.931	ug/l #	59
58) 2-Chloroethyl Vinyl ether	9.873	63	55	20.885	ug/l #	48
76) 1,2,3-Trichloropropane	12.626	75	199590	46.670	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	199590	141.585	ug/l #	16
95) Naphthalene	15.385	128	975	5.065	ug/l #	69

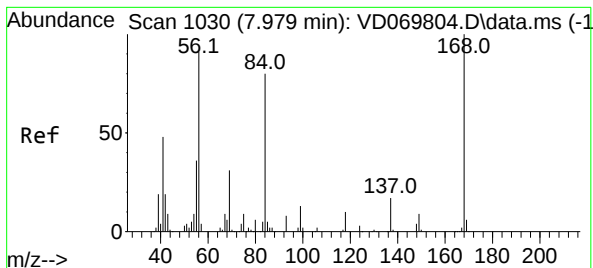
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD070025.D

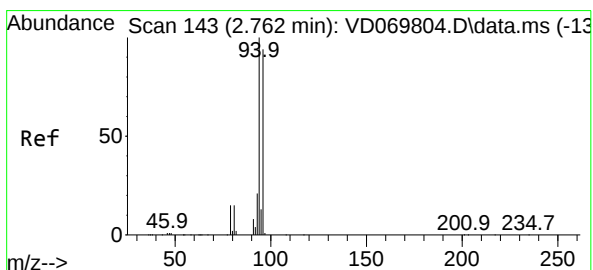
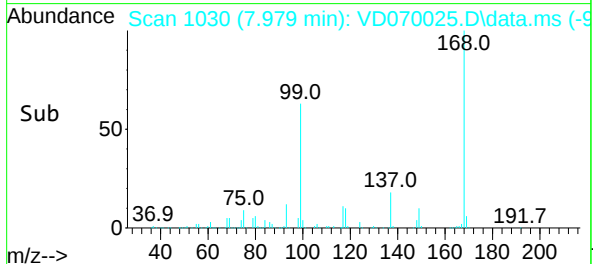
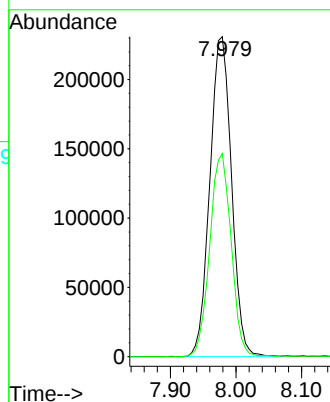
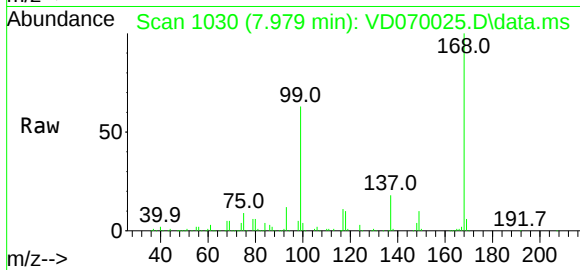
Acq: 11 Aug 2021 16:04

Tgt Ion:168 Resp: 529741

Ion Ratio Lower Upper

168 100

99 63.5 51.1 76.7



#5

Bromomethane

Concen: Below Cal

RT: 2.773 min Scan# 145

Delta R.T. 0.011 min

Lab File: VD070025.D

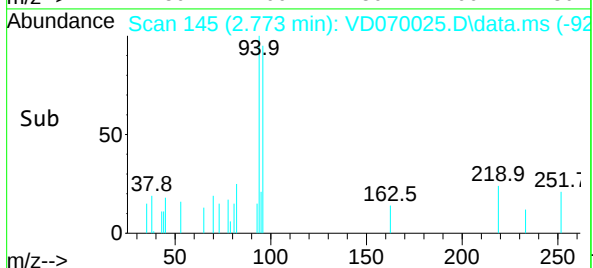
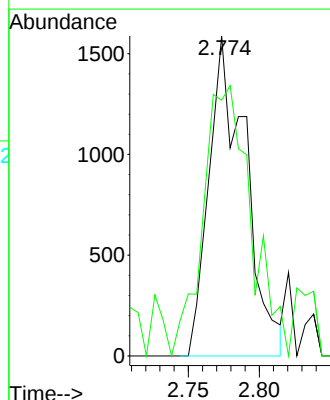
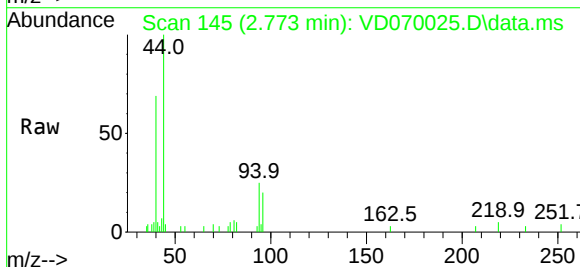
Acq: 11 Aug 2021 16:04

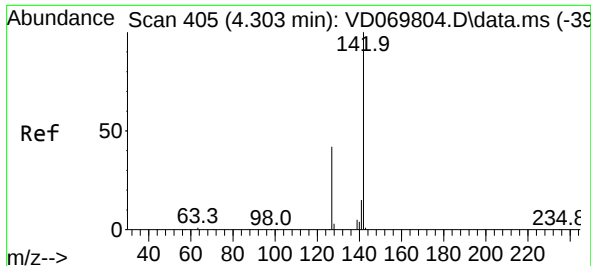
Tgt Ion: 94 Resp: 2842

Ion Ratio Lower Upper

94 100

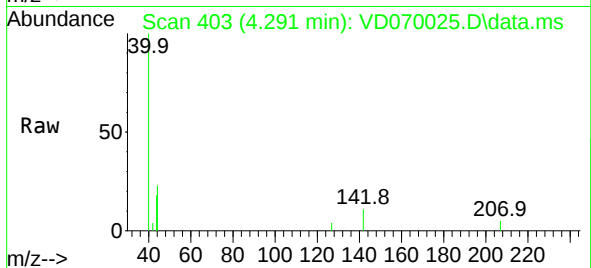
96 69.1 74.8 112.2#



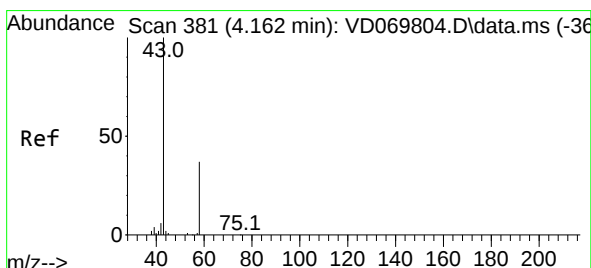
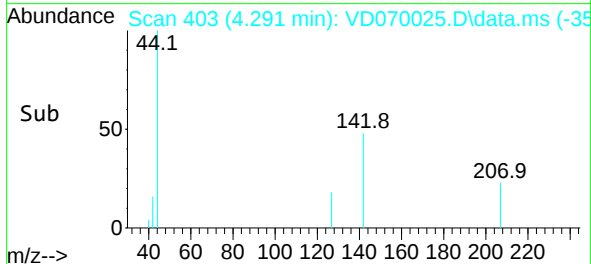
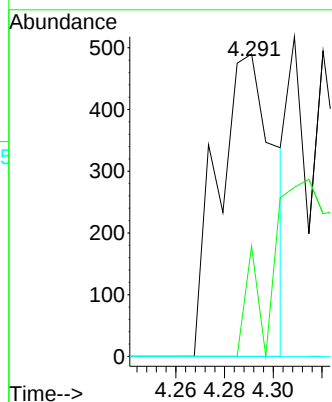


#10
Methyl Iodide
Concen: 3.574 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD070025.D
Acq: 11 Aug 2021 16:04

Instrument :
MSVOA_D
ClientSampled :

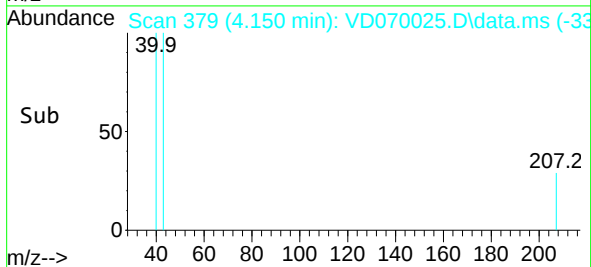
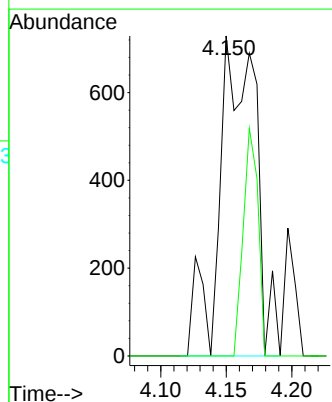
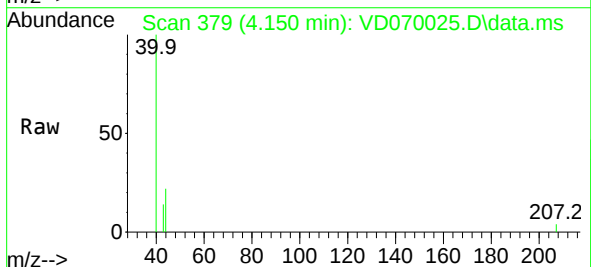


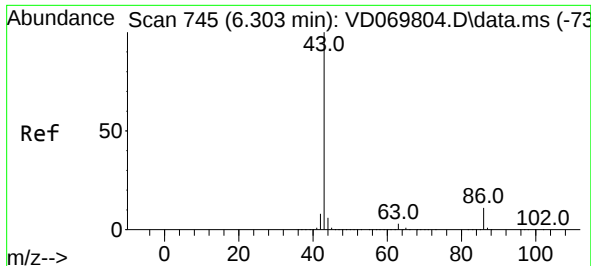
Tgt Ion:142 Resp: 786
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 1.299 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.012 min
Lab File: VD070025.D
Acq: 11 Aug 2021 16:04

Tgt Ion: 43 Resp: 1430
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#

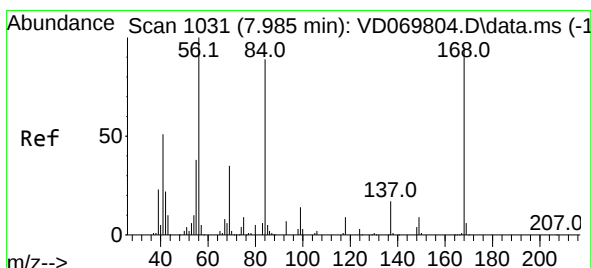
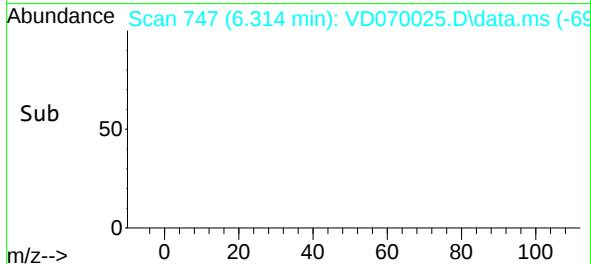
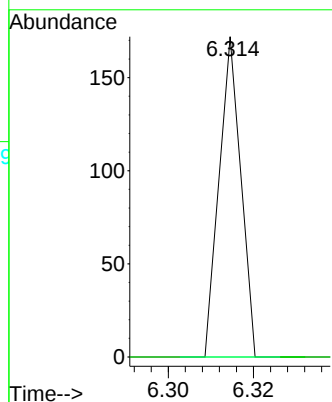
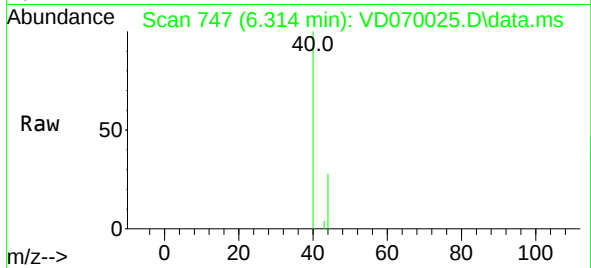




#23
 Vinyl Acetate
 Concen: 20.354 ug/l
 RT: 6.314 min Scan# 747
 Delta R.T. 0.011 min
 Lab File: VD070025.D
 Acq: 11 Aug 2021 16:04

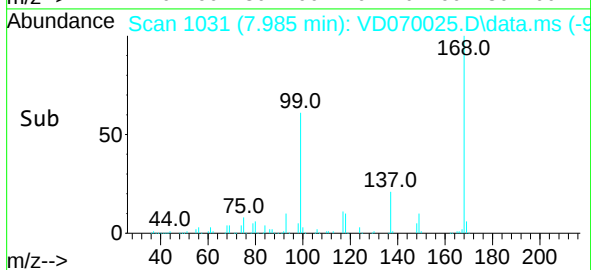
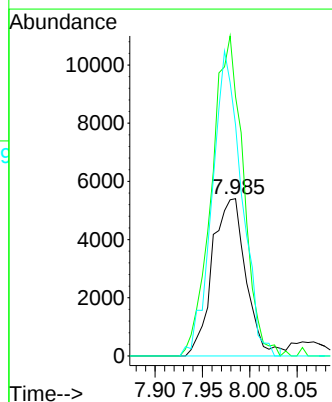
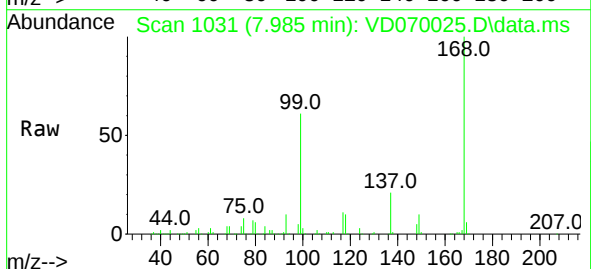
Instrument :
 MSVOA_D
 ClientSampleId :

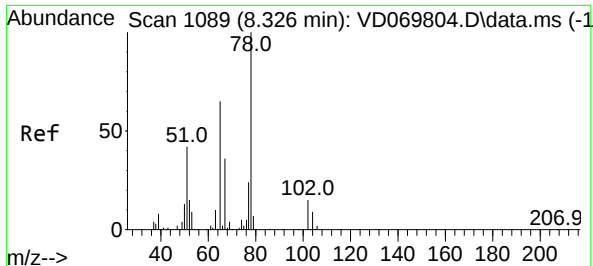
Tgt Ion: 43 Resp: 61
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#31
 Cyclohexane
 Concen: 1.120 ug/l
 RT: 7.985 min Scan# 1031
 Delta R.T. -0.000 min
 Lab File: VD070025.D
 Acq: 11 Aug 2021 16:04

Tgt Ion: 56 Resp: 13338
 Ion Ratio Lower Upper
 56 100
 69 164.8 27.9 41.9#
 84 146.8 71.4 107.2#

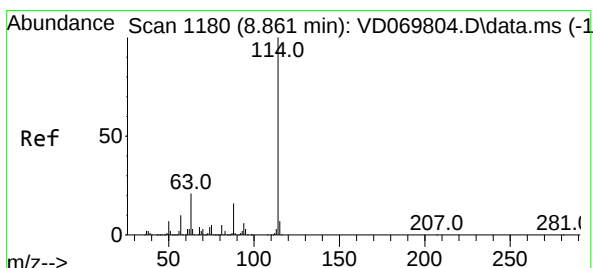
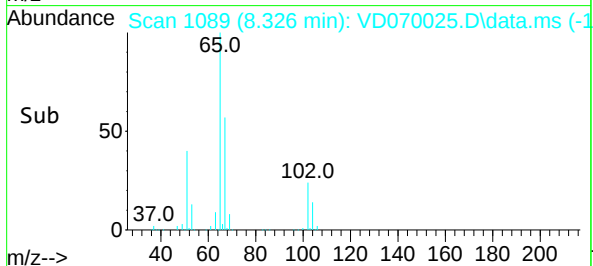
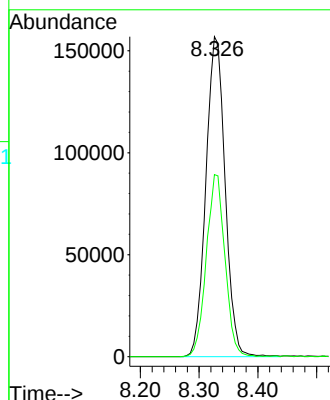
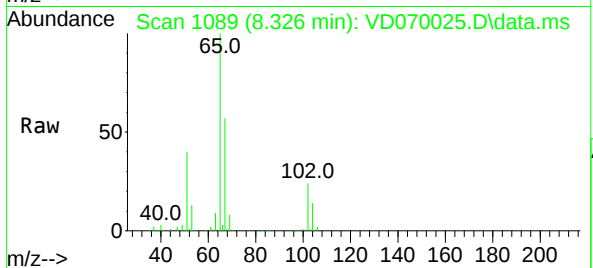




#33
1,2-Dichloroethane-d4
Concen: 58.545 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070025.D
Acq: 11 Aug 2021 16:04

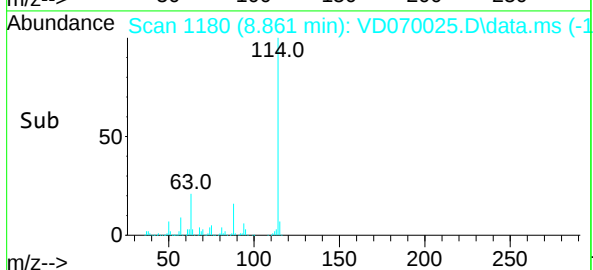
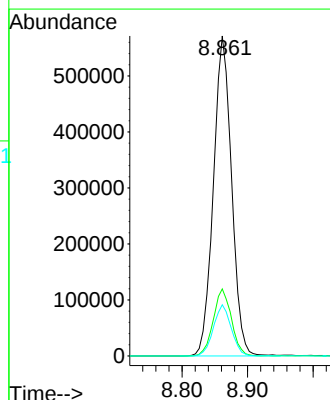
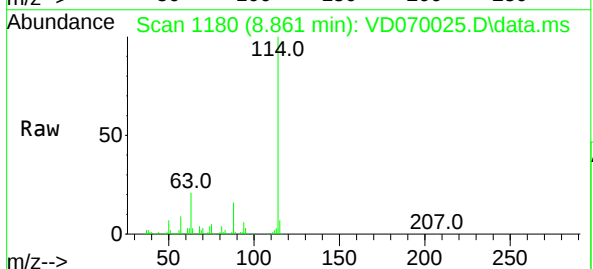
Instrument :
MSVOA_D
ClientSampled :

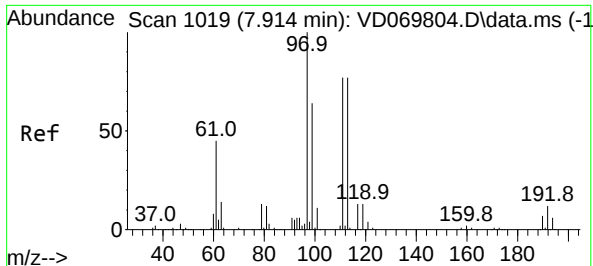
Tgt Ion: 65 Resp: 356687
Ion Ratio Lower Upper
65 100
67 55.1 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070025.D
Acq: 11 Aug 2021 16:04

Tgt Ion: 114 Resp: 1099707
Ion Ratio Lower Upper
114 100
63 21.0 0.0 41.6
88 16.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.158 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070025.D

Acq: 11 Aug 2021 16:04

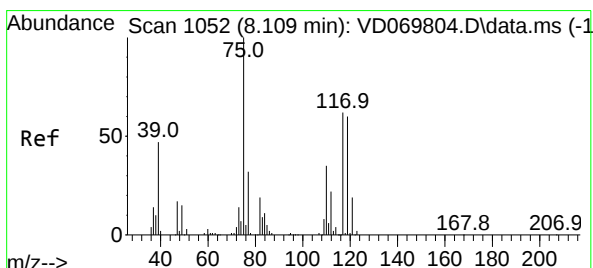
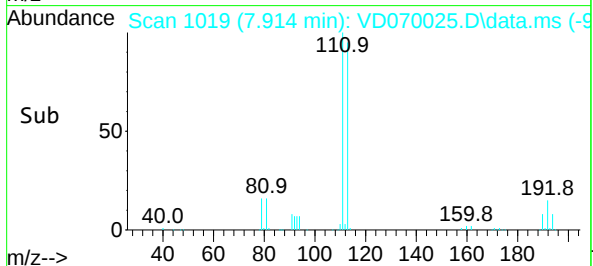
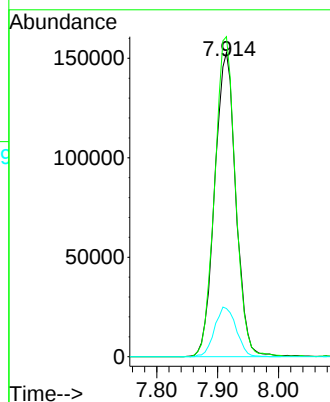
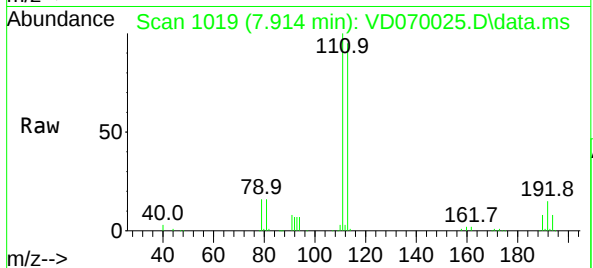
Tgt Ion:113 Resp: 368521

Ion Ratio Lower Upper

113 100

111 103.2 80.5 120.7

192 16.7 12.6 19.0



#36

1,1-Dichloropropene

Concen: 3.864 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD070025.D

Acq: 11 Aug 2021 16:04

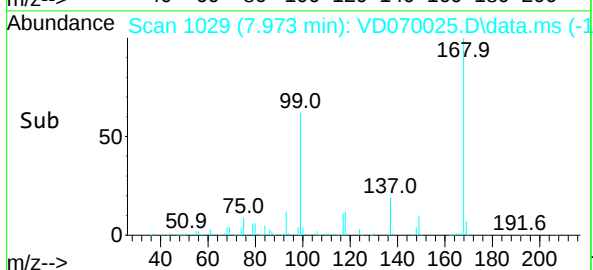
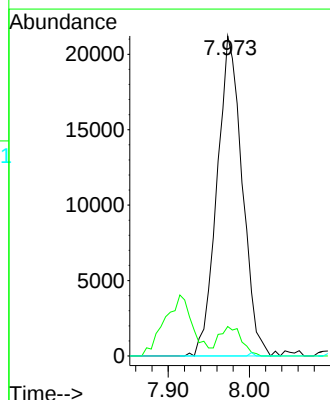
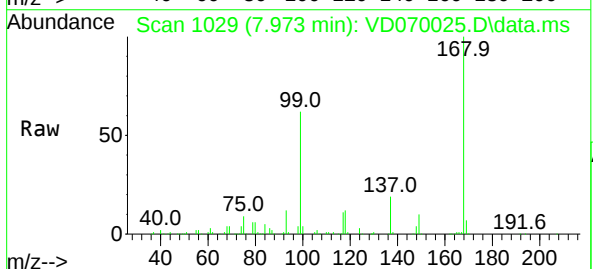
Tgt Ion: 75 Resp: 45853

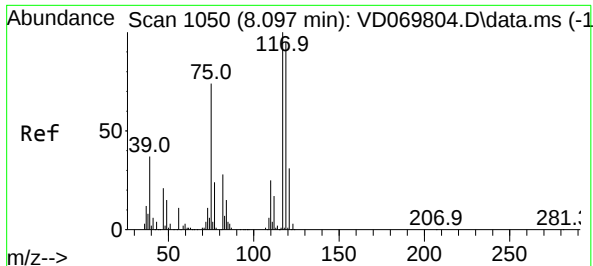
Ion Ratio Lower Upper

75 100

110 8.4 16.9 50.7#

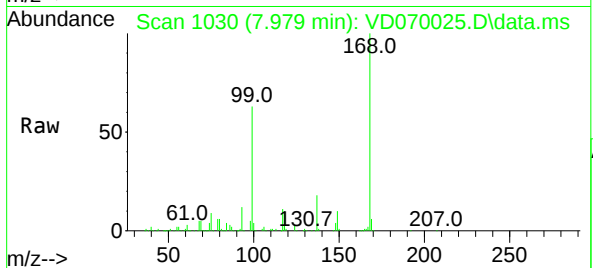
77 0.0 24.9 37.3#



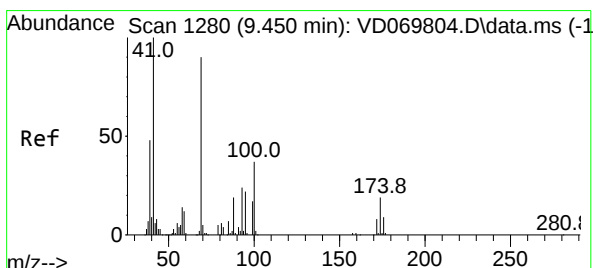
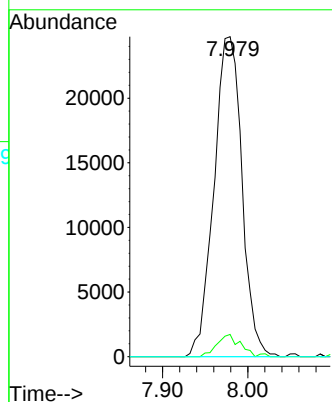
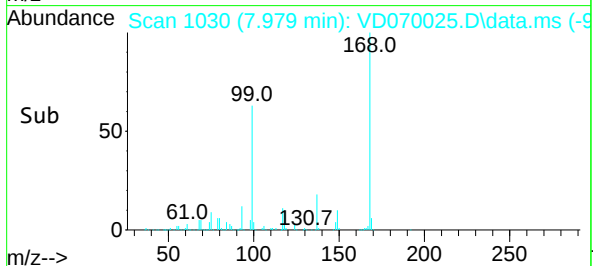


#38
Carbon Tetrachloride
Concen: 5.216 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070025.D
Acq: 11 Aug 2021 16:04

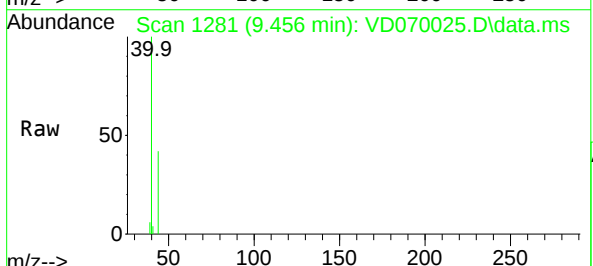
Instrument :
MSVOA_D
ClientSampleId :



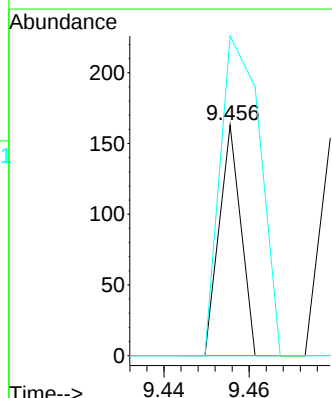
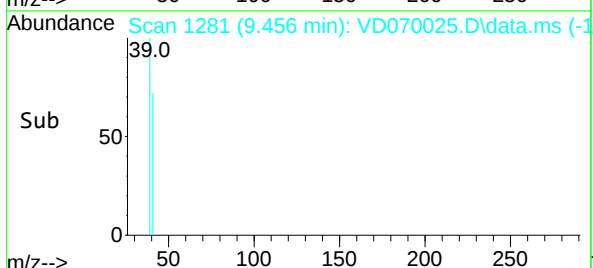
Tgt Ion: 117 Resp: 56541
Ion Ratio Lower Upper
117 100
119 6.9 76.2 114.2#
121 0.0 24.5 36.7#

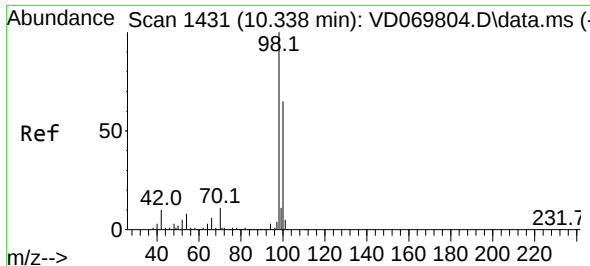


#48
Methyl methacrylate
Concen: 2.760 ug/l
RT: 9.456 min Scan# 1281
Delta R.T. 0.006 min
Lab File: VD070025.D
Acq: 11 Aug 2021 16:04



Tgt Ion: 41 Resp: 58
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 253.4 36.6 55.0#

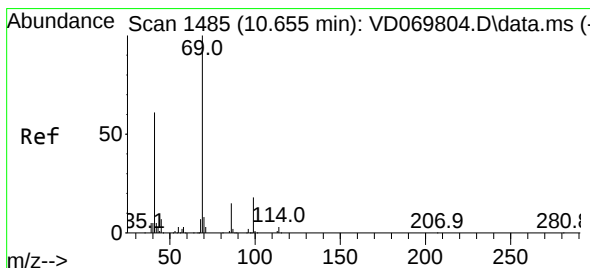
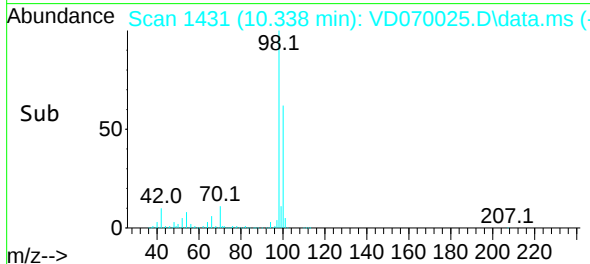
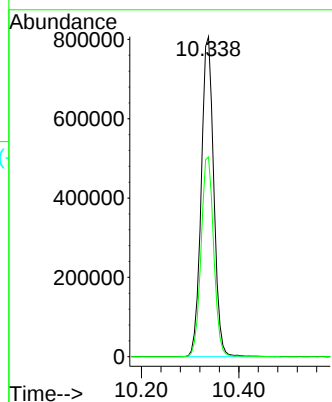
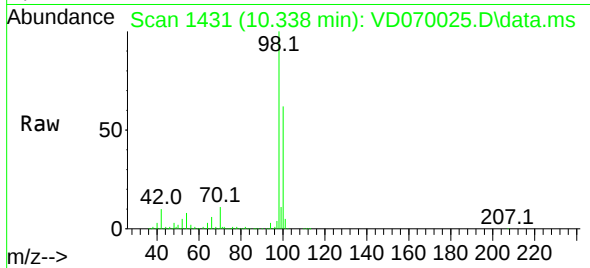




#50
Toluene-d8
Concen: 53.847 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070025.D
Acq: 11 Aug 2021 16:04

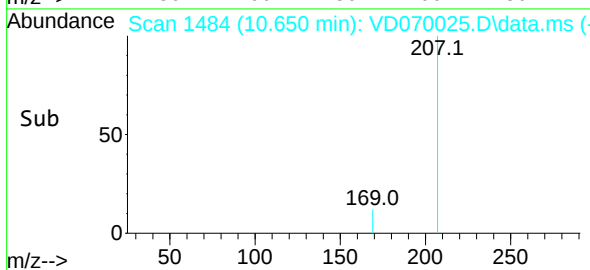
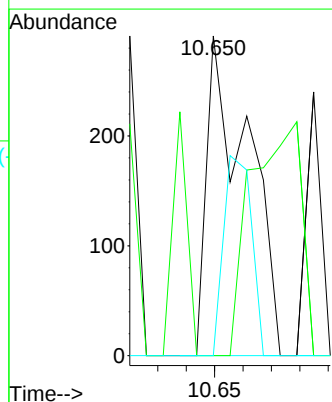
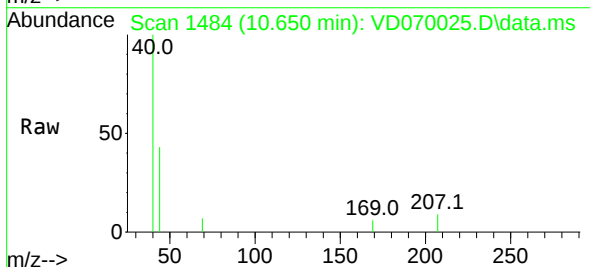
Instrument :
MSVOA_D
ClientSampleId :

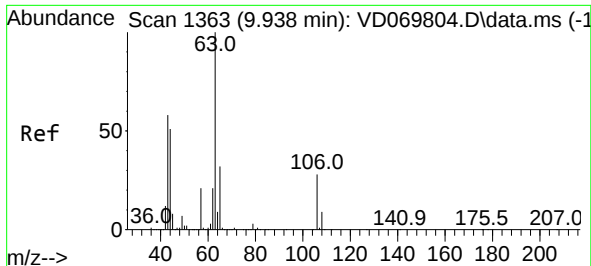
Tgt Ion: 98 Resp: 1439418
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.931 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.005 min
Lab File: VD070025.D
Acq: 11 Aug 2021 16:04

Tgt Ion: 69 Resp: 292
Ion Ratio Lower Upper
69 100
41 26.7 50.2 75.2#
39 42.5 22.0 33.0#

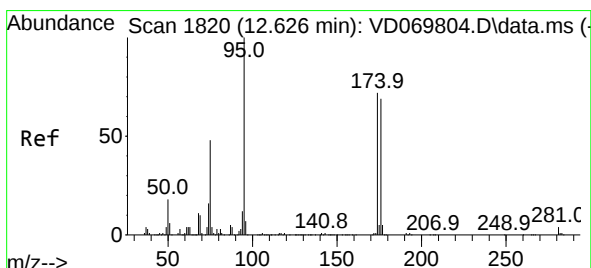
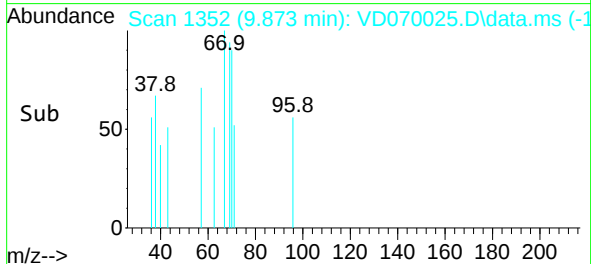
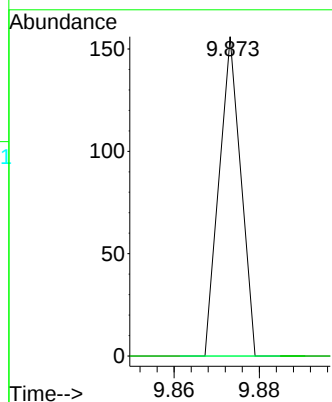
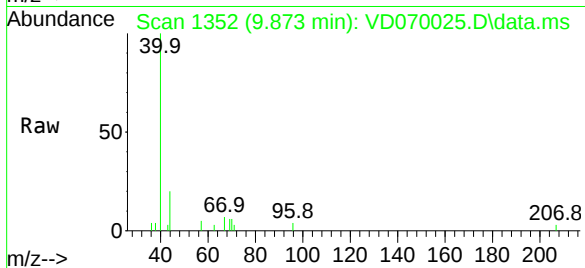




#58
2-Chloroethyl Vinyl ether
Concen: 20.885 ug/l
RT: 9.873 min Scan# 1352
Delta R.T. -0.065 min
Lab File: VD070025.D
Acq: 11 Aug 2021 16:04

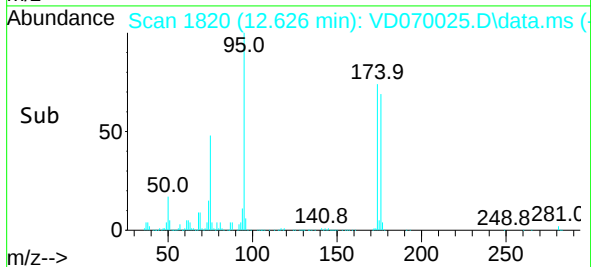
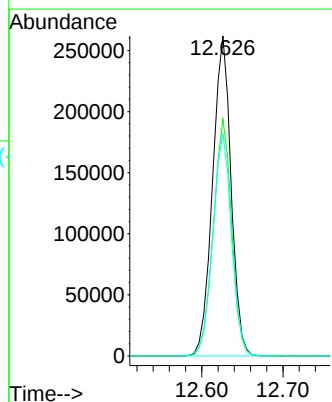
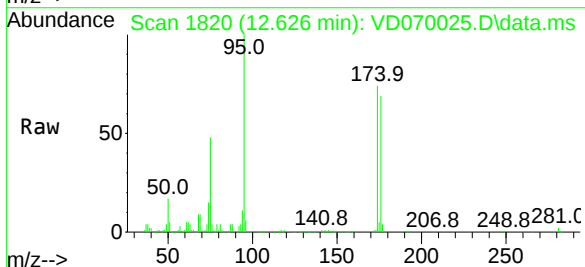
Instrument :
MSVOA_D
ClientSampled :

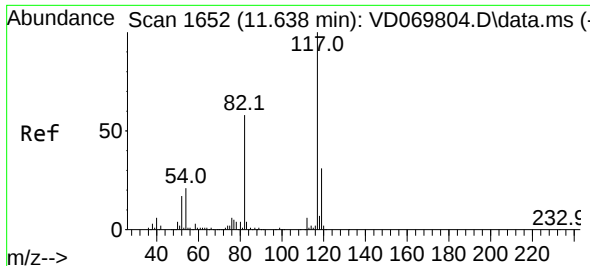
Tgt Ion: 63 Resp: 55
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#



#62
4-Bromofluorobenzene
Concen: 46.261 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070025.D
Acq: 11 Aug 2021 16:04

Tgt Ion: 95 Resp: 413281
Ion Ratio Lower Upper
95 100
174 73.8 0.0 142.6
176 70.5 0.0 134.2

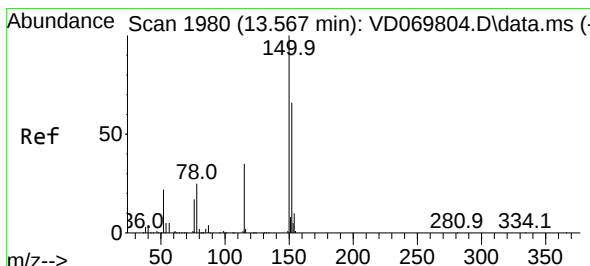
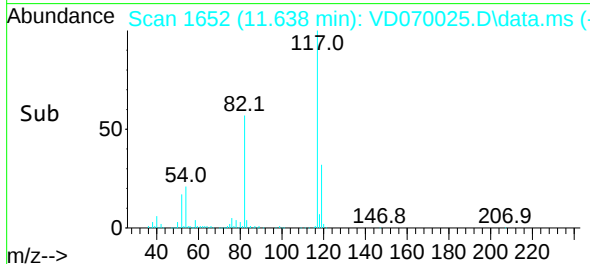
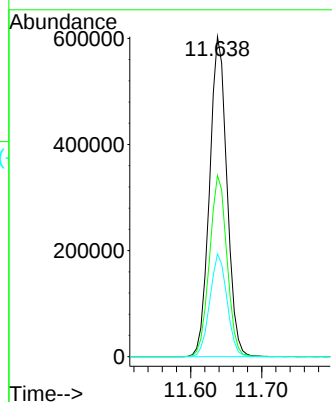
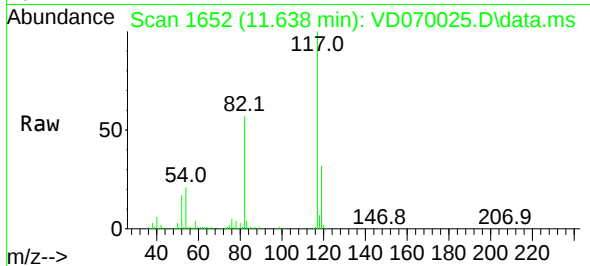




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070025.D
Acq: 11 Aug 2021 16:04

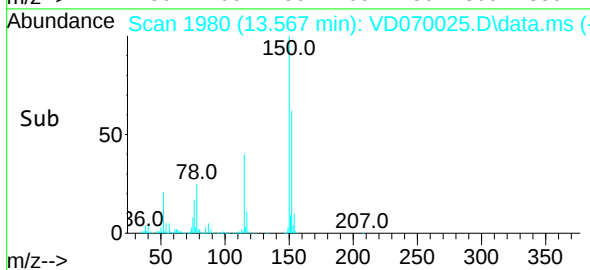
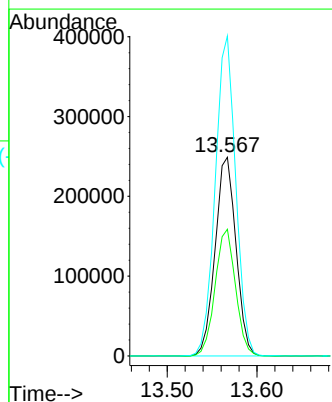
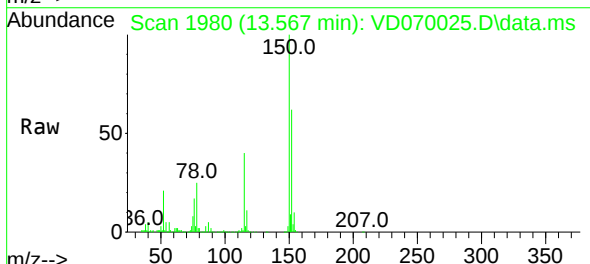
Instrument :
MSVOA_D
ClientSampleId :

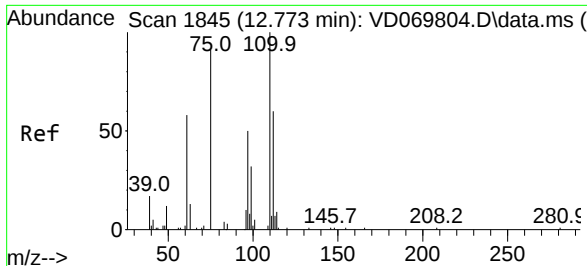
Tgt Ion:117 Resp: 1023841
Ion Ratio Lower Upper
117 100
82 56.7 46.3 69.5
119 32.1 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070025.D
Acq: 11 Aug 2021 16:04

Tgt Ion:152 Resp: 402342
Ion Ratio Lower Upper
152 100
115 62.5 31.1 93.3
150 157.9 0.0 343.0

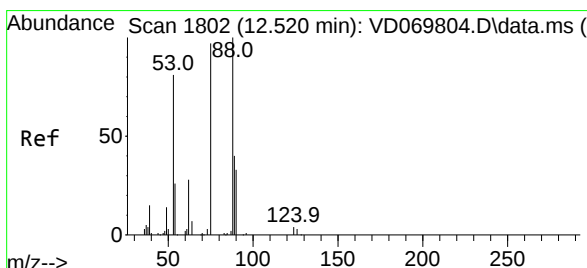
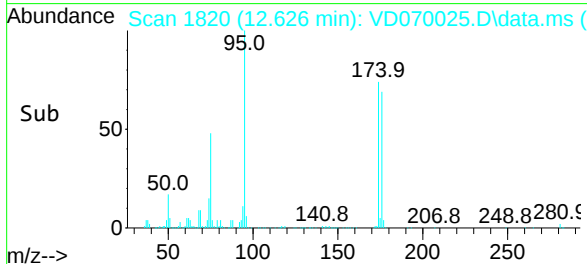
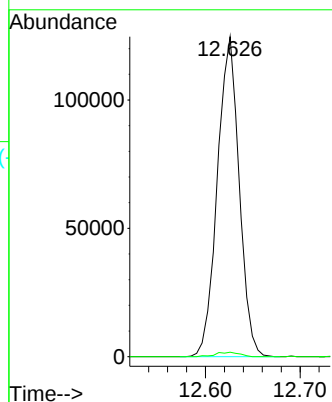
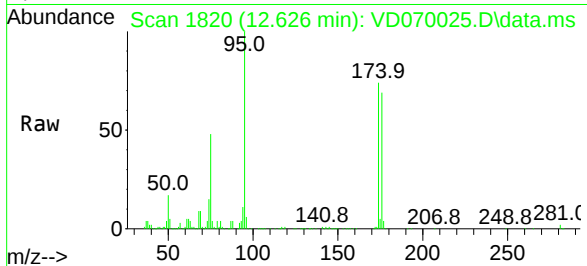




#76
1,2,3-Trichloropropane
Concen: 46.670 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070025.D
Acq: 11 Aug 2021 16:04

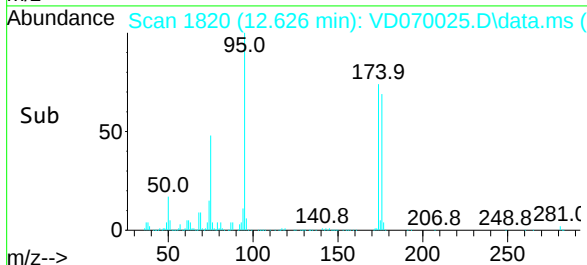
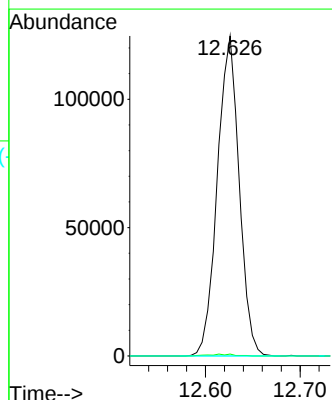
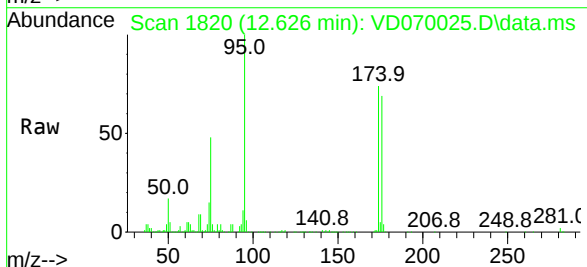
Instrument :
MSVOA_D
ClientSampleId :

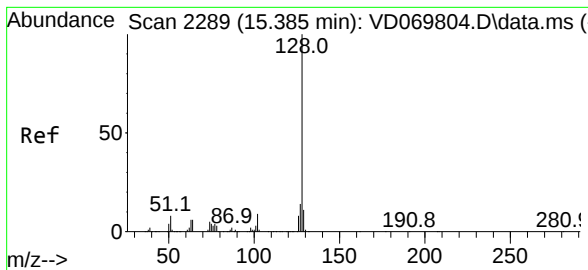
Tgt Ion: 75 Resp: 199590
Ion Ratio Lower Upper
75 100
77 1.5 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 141.585 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070025.D
Acq: 11 Aug 2021 16:04

Tgt Ion: 75 Resp: 199590
Ion Ratio Lower Upper
75 100
53 0.7 67.2 100.8#
89 0.0 35.8 53.6#





#95
Naphthalene
Concen: 5.065 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD070025.D
Acq: 11 Aug 2021 16:04

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 975
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

