

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080921\
 Data File : VD070005.D
 Acq On : 09 Aug 2021 19:21
 Operator : VA/SY
 Sample : M3295-02RE
 Misc : 5.37G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 10 07:05:59 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)

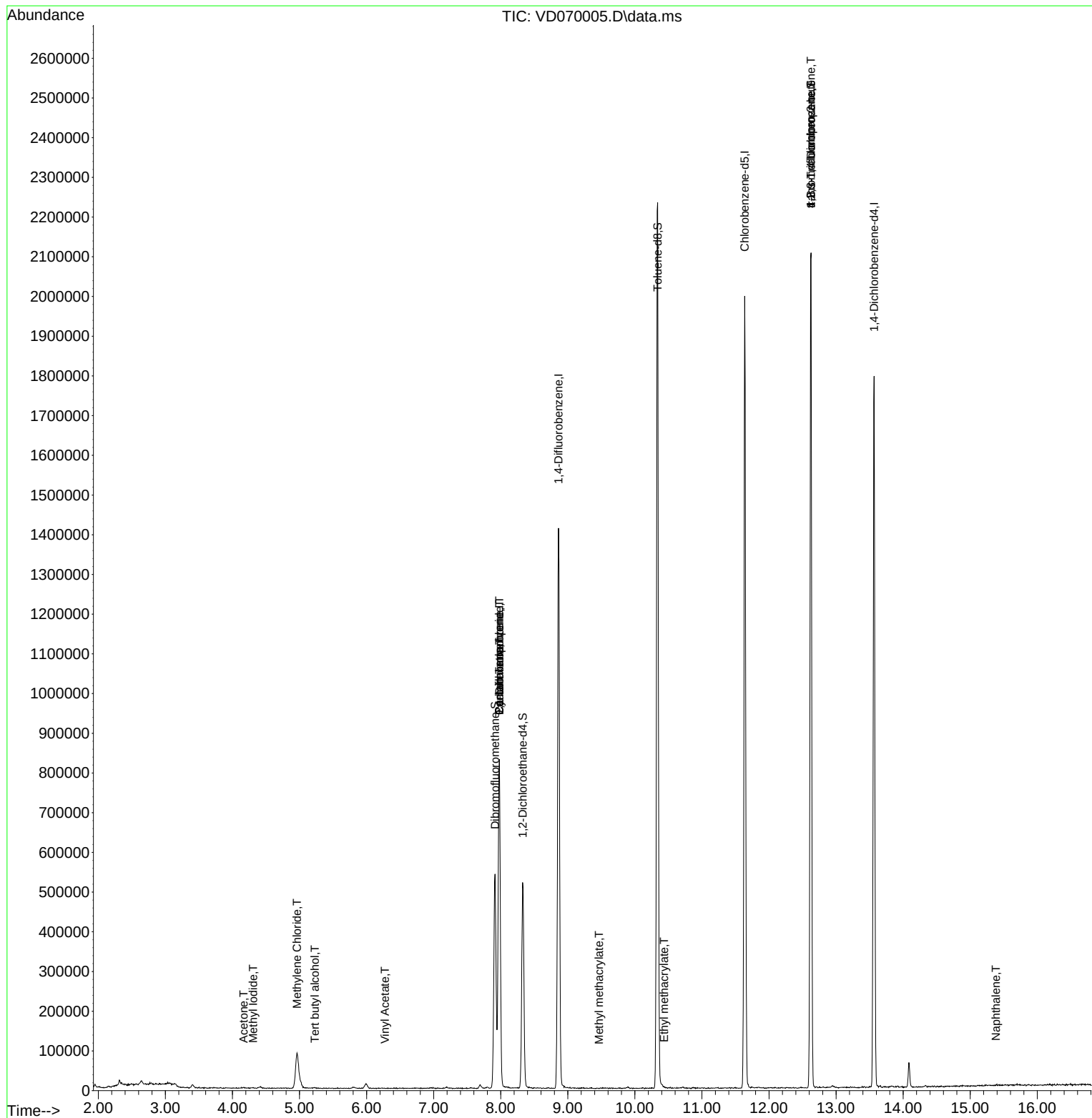
Internal Standards						
1) Pentafluorobenzene	7.979	168	582584	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1223874	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1142171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	470222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	411514	61.418	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.840%	
35) Dibromofluoromethane	7.914	113	401879	52.089	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.180%	
50) Toluene-d8	10.338	98	1555758	52.295	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.580%	
62) 4-Bromofluorobenzene	12.626	95	526430	52.948	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.900%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	2534	Below Cal	#	71
10) Methyl Iodide	4.309	142	1553	3.662	ug/l #	59
11) Tert butyl alcohol	5.226	59	1658	4.782	ug/l #	73
16) Acetone	4.168	43	2065	1.706	ug/l #	80
20) Methylene Chloride	4.962	84	71096	2.050	ug/l	97
23) Vinyl Acetate	6.273	43	56	20.354	ug/l #	71
31) Cyclohexane	7.979	56	14080	1.075	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	53476	4.049	ug/l #	49
38) Carbon Tetrachloride	7.979	117	62952	5.218	ug/l #	17
48) Methyl methacrylate	9.467	41	70	2.761	ug/l #	13
56) Ethyl methacrylate	10.438	69	58	3.902	ug/l #	38
76) 1,2,3-Trichloropropane	12.626	75	263846	52.789	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	263846	160.148	ug/l #	16
95) Naphthalene	15.385	128	734	5.042	ug/l #	69

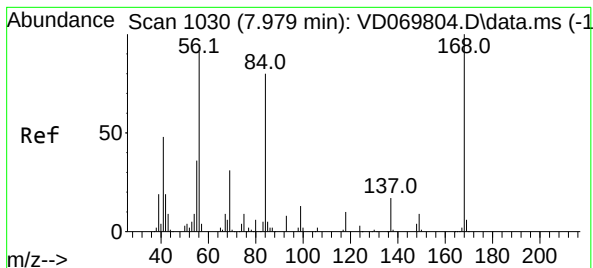
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 23 04:51:13 2021
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: VD070005.D

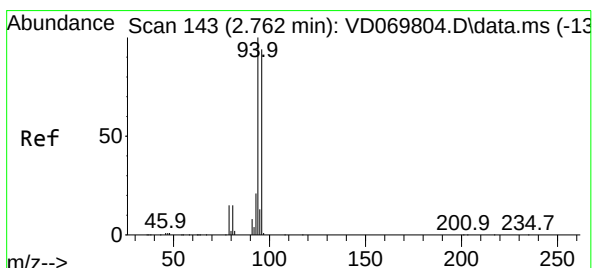
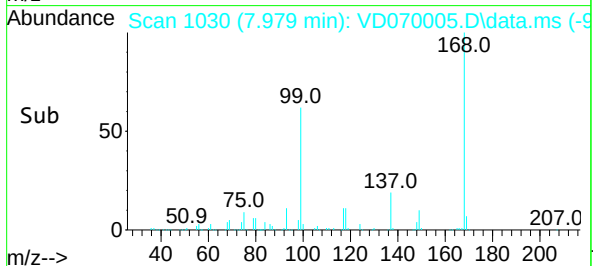
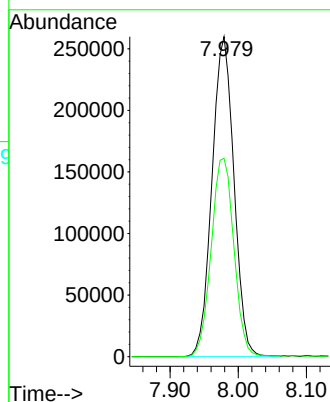
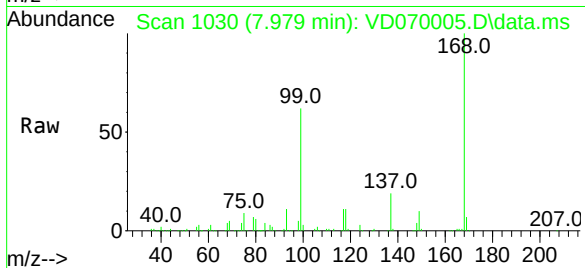
Acq: 09 Aug 2021 19:21

Tgt Ion:168 Resp: 582584

Ion Ratio Lower Upper

168 100

99 61.9 51.1 76.7



#5

Bromomethane

Concen: Below Cal

RT: 2.779 min Scan# 146

Delta R.T. 0.017 min

Lab File: VD070005.D

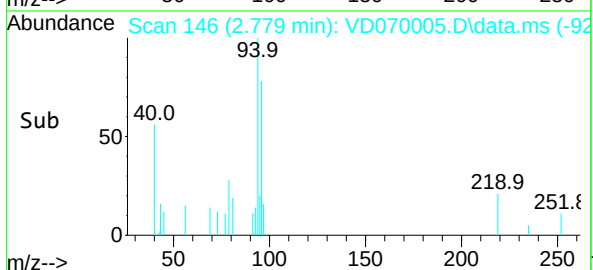
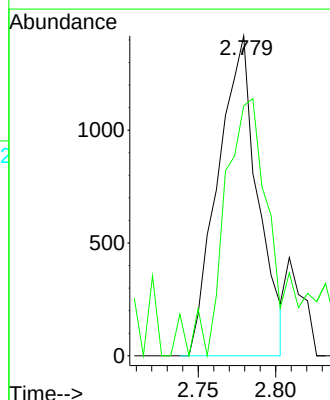
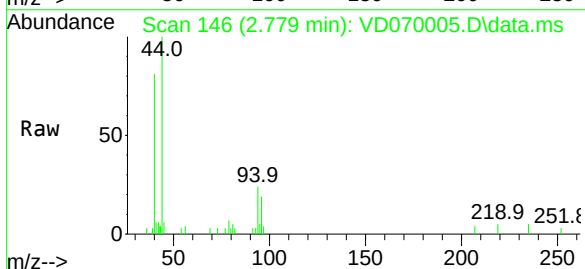
Acq: 09 Aug 2021 19:21

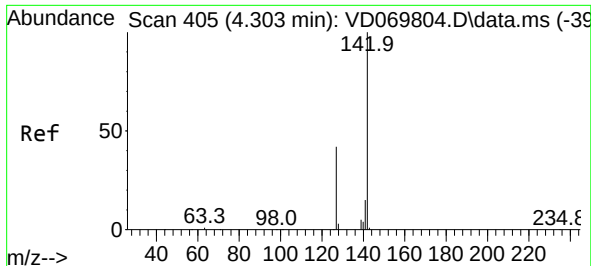
Tgt Ion: 94 Resp: 2534

Ion Ratio Lower Upper

94 100

96 65.2 74.8 112.2#

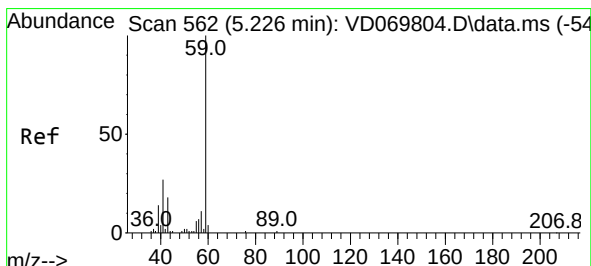
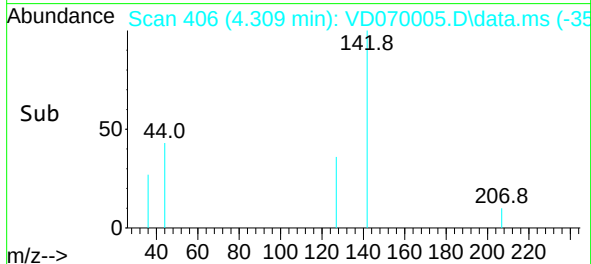
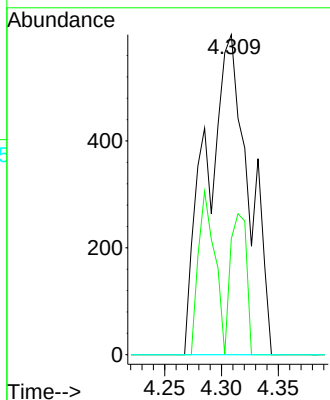
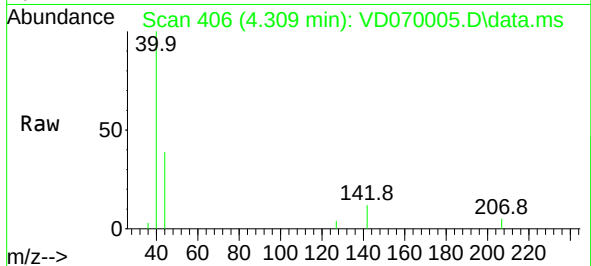




#10
Methyl Iodide
Concen: 3.662 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD070005.D
Acq: 09 Aug 2021 19:21

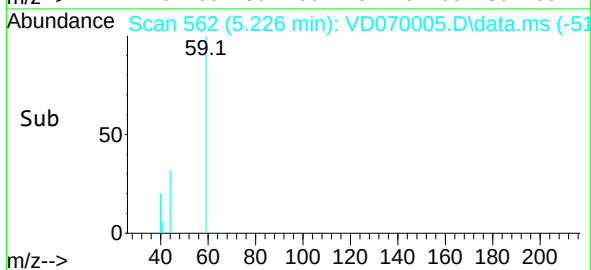
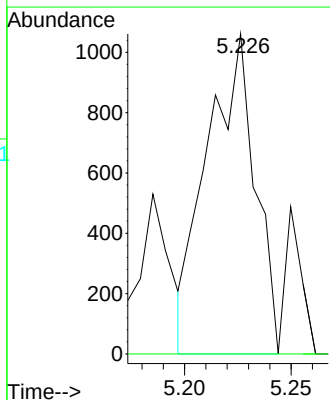
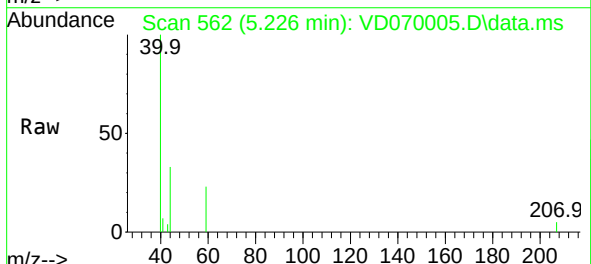
Instrument :
MSVOA_D
ClientSampled :

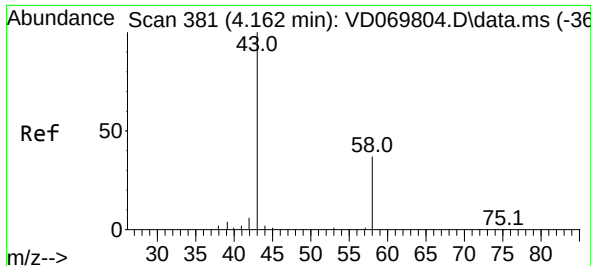
Tgt Ion:142 Resp: 1553
Ion Ratio Lower Upper
142 100
127 16.6 35.7 53.5#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 4.782 ug/l
RT: 5.226 min Scan# 562
Delta R.T. -0.000 min
Lab File: VD070005.D
Acq: 09 Aug 2021 19:21

Tgt Ion: 59 Resp: 1658
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

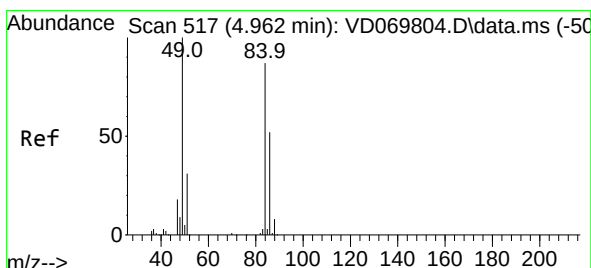
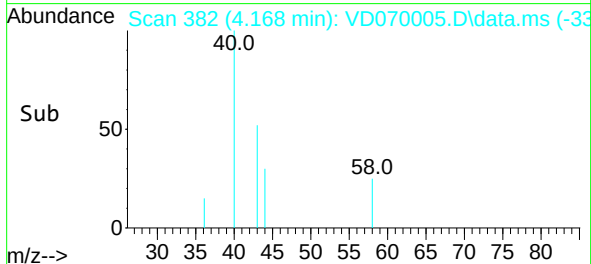
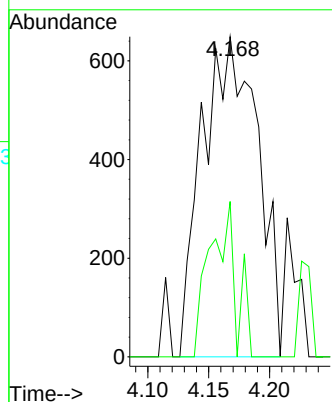
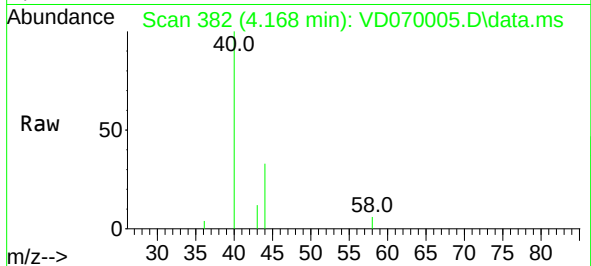




#16
Acetone
Concen: 1.706 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD070005.D
Acq: 09 Aug 2021 19:21

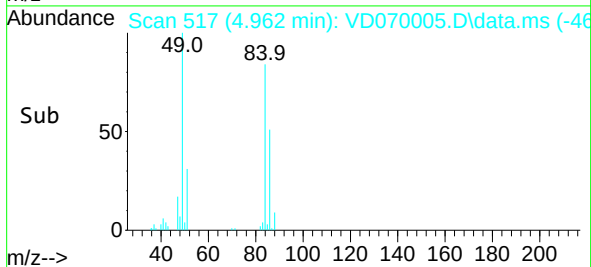
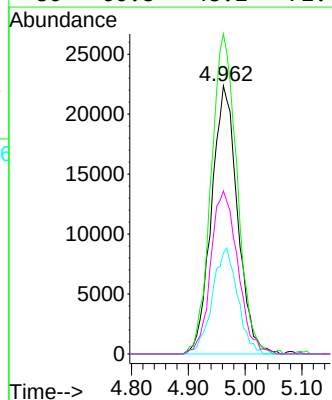
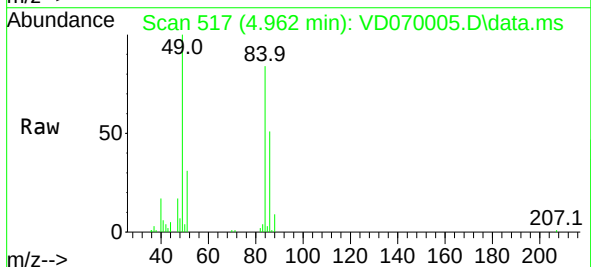
Instrument :
MSVOA_D
ClientSampled :

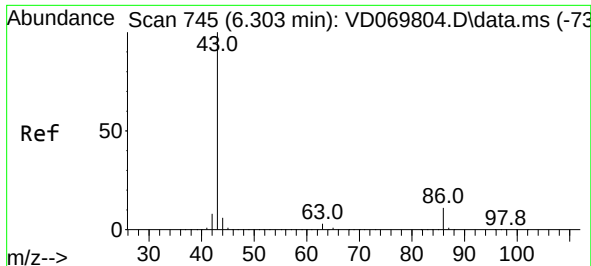
Tgt Ion: 43 Resp: 2065
Ion Ratio Lower Upper
43 100
58 48.5 29.4 44.0#



#20
Methylene Chloride
Concen: 2.050 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070005.D
Acq: 09 Aug 2021 19:21

Tgt Ion: 84 Resp: 71096
Ion Ratio Lower Upper
84 100
49 119.4 92.4 138.6
51 37.5 28.5 42.7
86 60.8 48.2 72.4

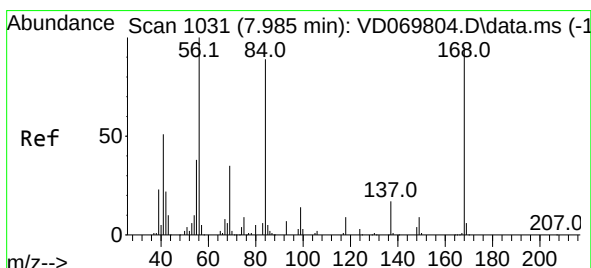
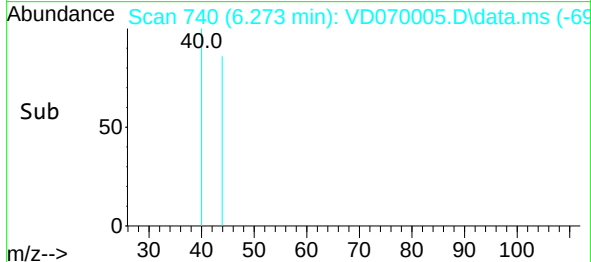
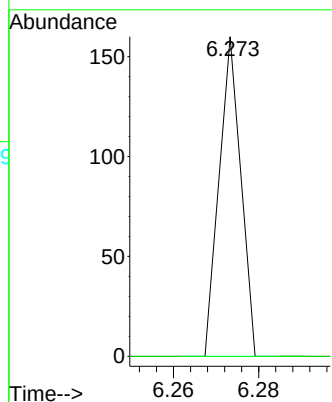
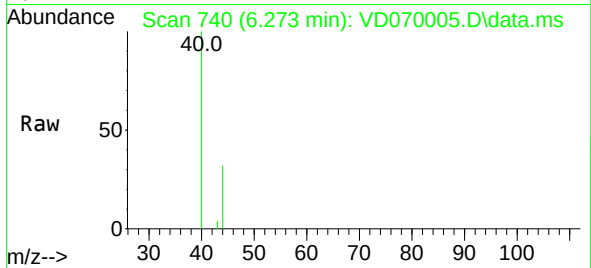




#23
 Vinyl Acetate
 Concen: 20.354 ug/l
 RT: 6.273 min Scan# 740
 Delta R.T. -0.030 min
 Lab File: VD070005.D
 Acq: 09 Aug 2021 19:21

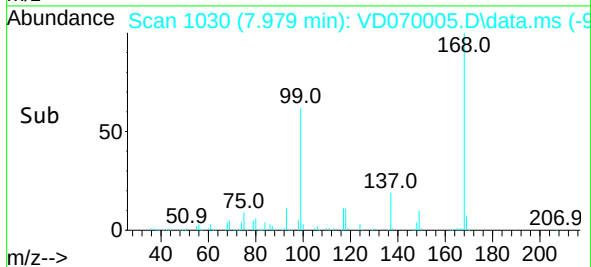
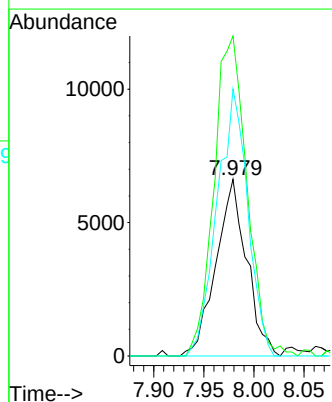
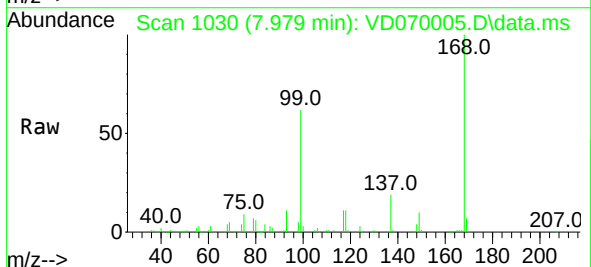
Instrument :
 MSVOA_D
 ClientSampled :

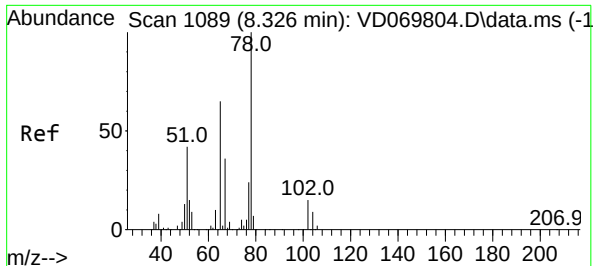
Tgt Ion: 43 Resp: 56
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#31
 Cyclohexane
 Concen: 1.075 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.006 min
 Lab File: VD070005.D
 Acq: 09 Aug 2021 19:21

Tgt Ion: 56 Resp: 14080
 Ion Ratio Lower Upper
 56 100
 69 181.2 27.9 41.9#
 84 151.1 71.4 107.2#





#33

1,2-Dichloroethane-d4

Concen: 61.418 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD070005.D

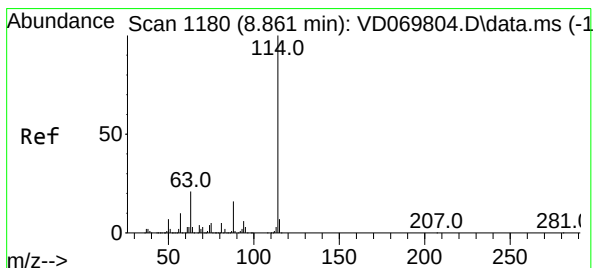
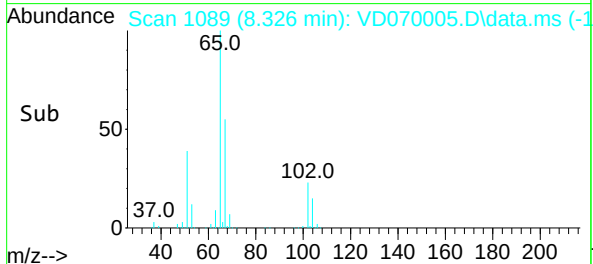
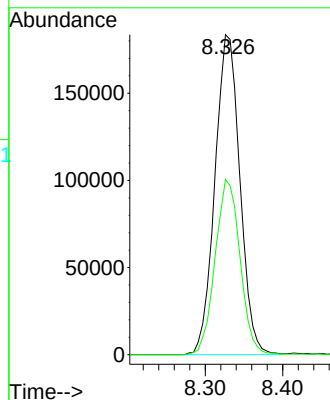
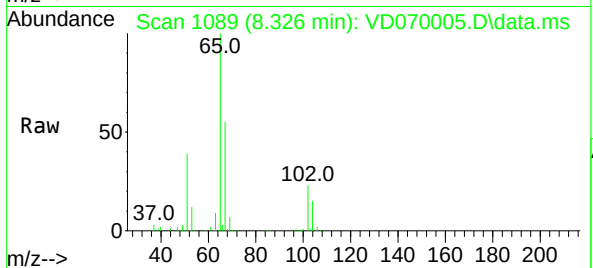
Acq: 09 Aug 2021 19:21

Tgt Ion: 65 Resp: 411514

Ion Ratio Lower Upper

65 100

67 54.5 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: VD070005.D

Acq: 09 Aug 2021 19:21

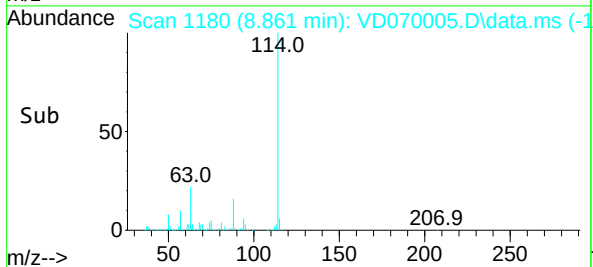
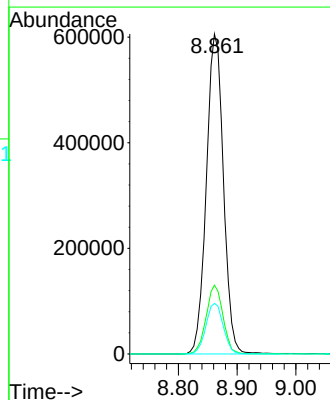
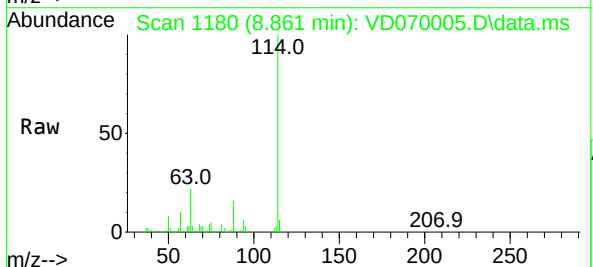
Tgt Ion: 114 Resp: 1223874

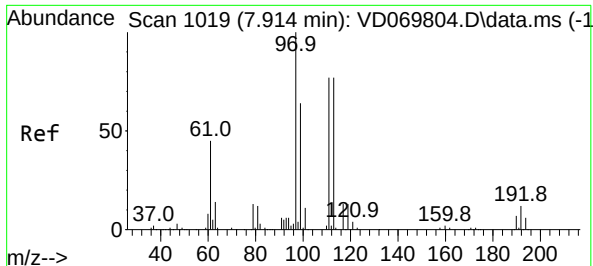
Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.6

88 15.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.089 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070005.D

Acq: 09 Aug 2021 19:21

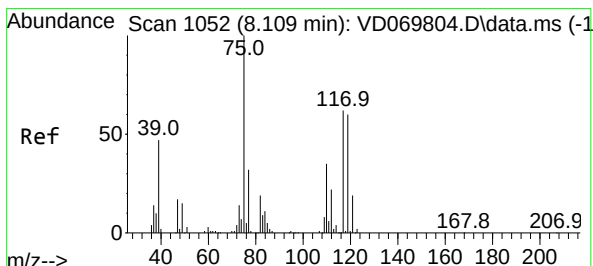
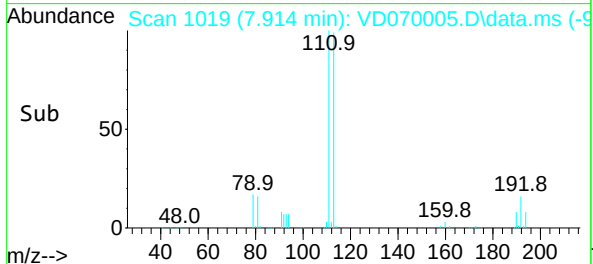
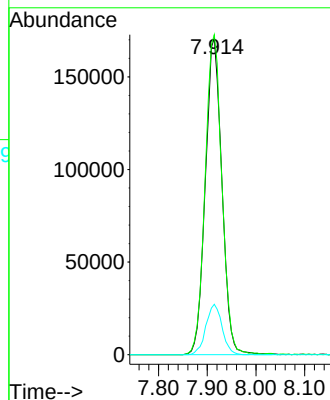
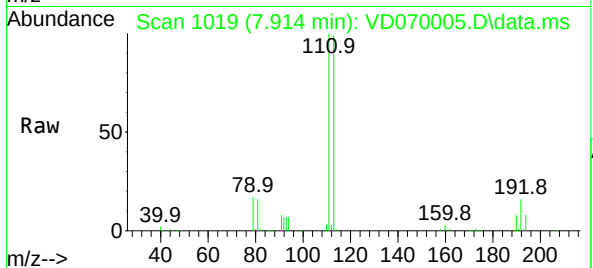
Tgt Ion:113 Resp: 401879

Ion Ratio Lower Upper

113 100

111 102.4 80.5 120.7

192 15.6 12.6 19.0



#36

1,1-Dichloropropene

Concen: 4.049 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD070005.D

Acq: 09 Aug 2021 19:21

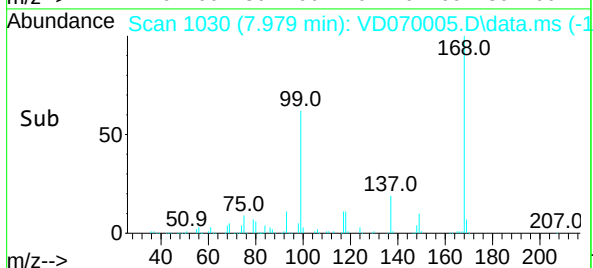
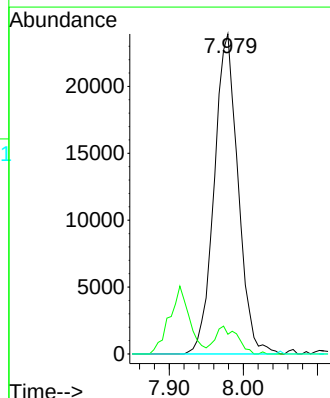
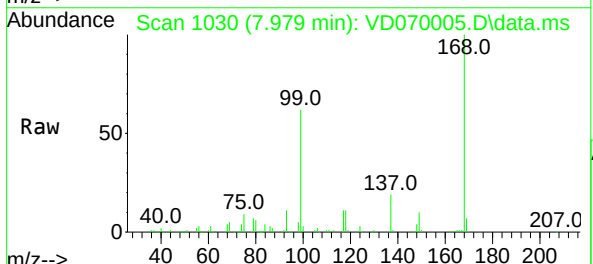
Tgt Ion: 75 Resp: 53476

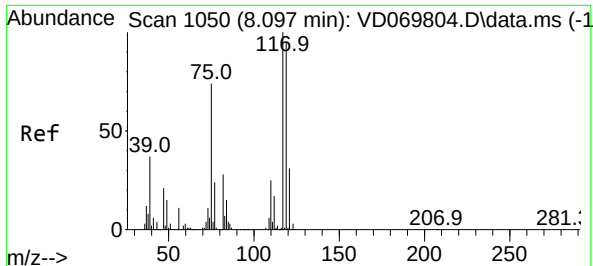
Ion Ratio Lower Upper

75 100

110 7.9 16.9 50.7#

77 0.0 24.9 37.3#

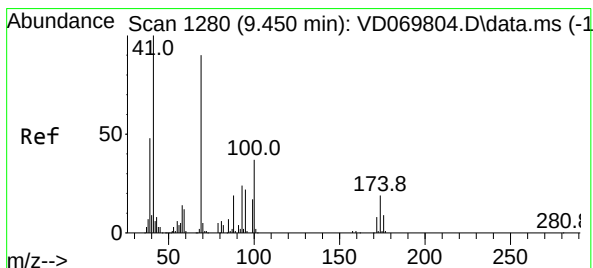
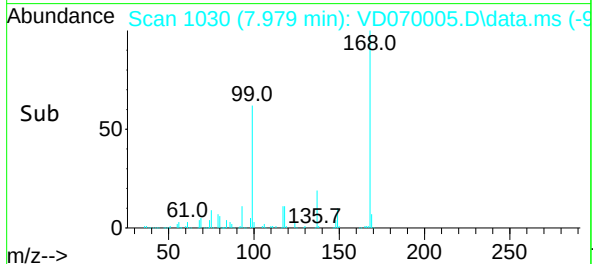
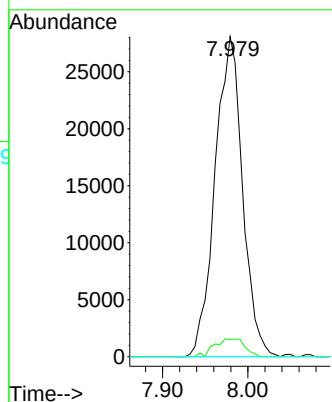
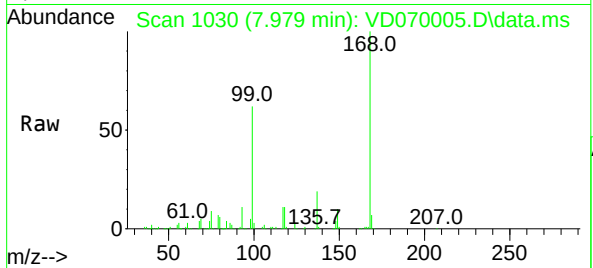




#38
Carbon Tetrachloride
Concen: 5.218 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070005.D
Acq: 09 Aug 2021 19:21

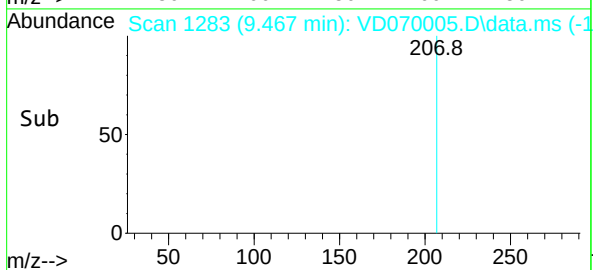
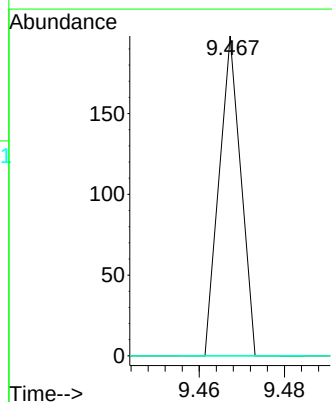
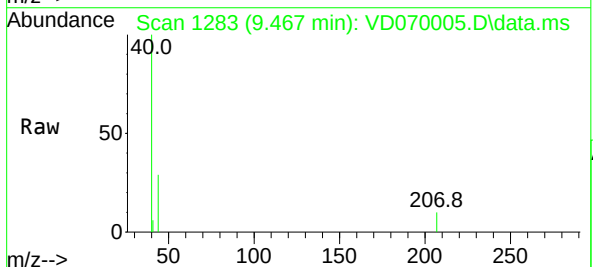
Instrument :
MSVOA_D
ClientSampled :

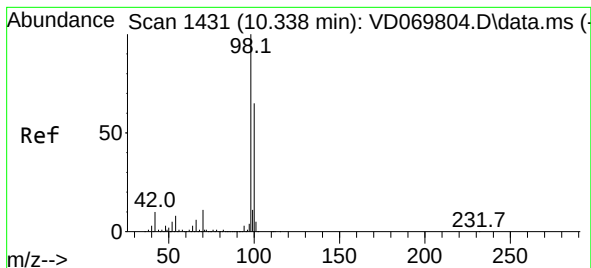
Tgt Ion:117 Resp: 62952
Ion Ratio Lower Upper
117 100
119 5.4 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 2.761 ug/l
RT: 9.467 min Scan# 1283
Delta R.T. 0.017 min
Lab File: VD070005.D
Acq: 09 Aug 2021 19:21

Tgt Ion: 41 Resp: 70
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#

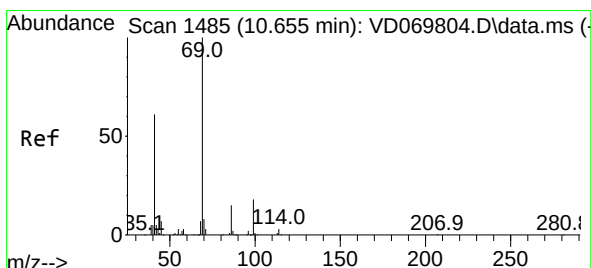
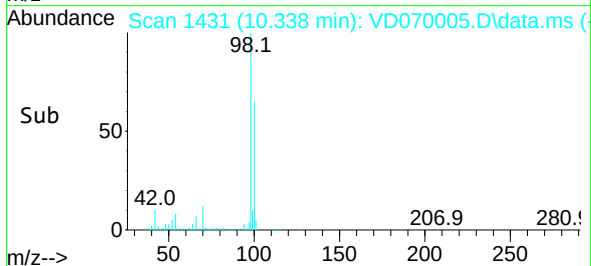
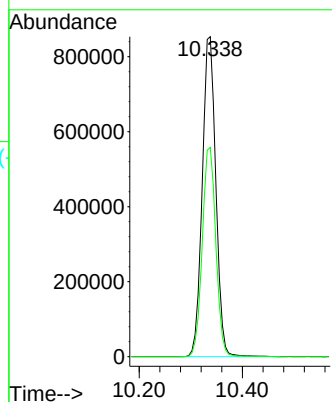
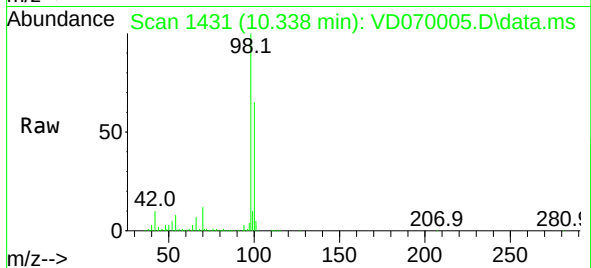




#50
Toluene-d8
Concen: 52.295 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070005.D
Acq: 09 Aug 2021 19:21

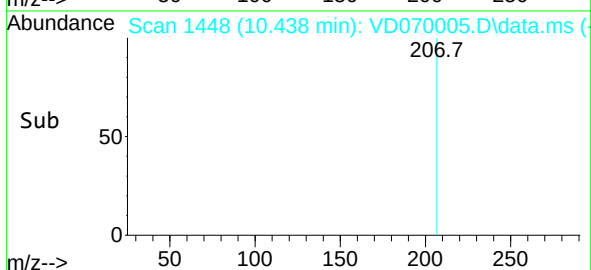
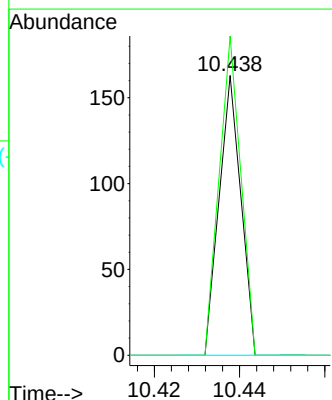
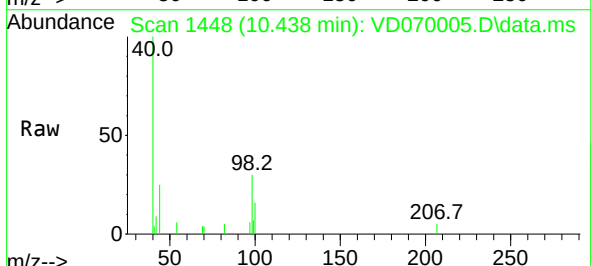
Instrument :
MSVOA_D
ClientSampled :

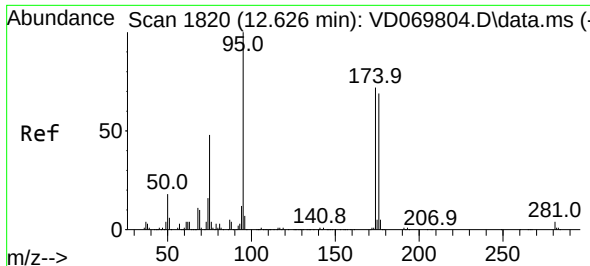
Tgt Ion: 98 Resp: 1555758
Ion Ratio Lower Upper
98 100
100 65.4 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.902 ug/l
RT: 10.438 min Scan# 1448
Delta R.T. -0.217 min
Lab File: VD070005.D
Acq: 09 Aug 2021 19:21

Tgt Ion: 69 Resp: 58
Ion Ratio Lower Upper
69 100
41 113.8 50.2 75.2#
39 0.0 22.0 33.0#

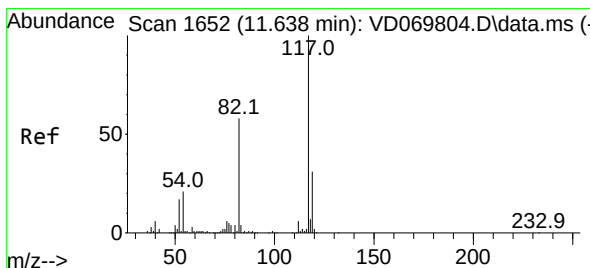
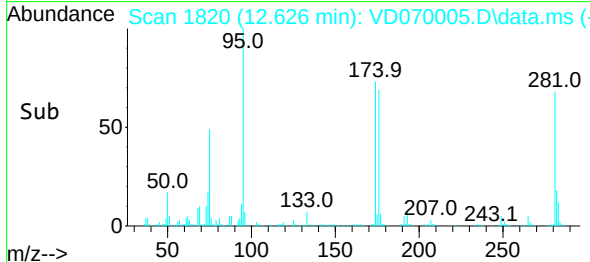
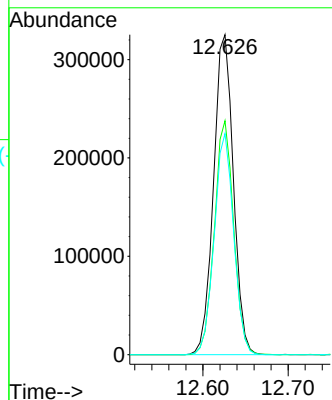
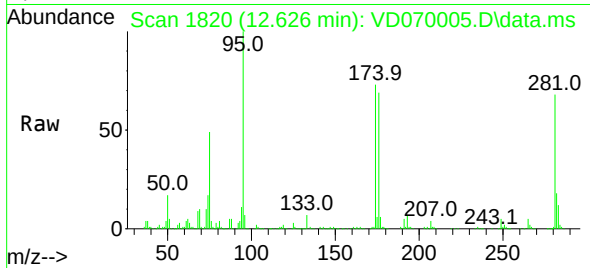




#62
4-Bromofluorobenzene
Concen: 52.948 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070005.D
Acq: 09 Aug 2021 19:21

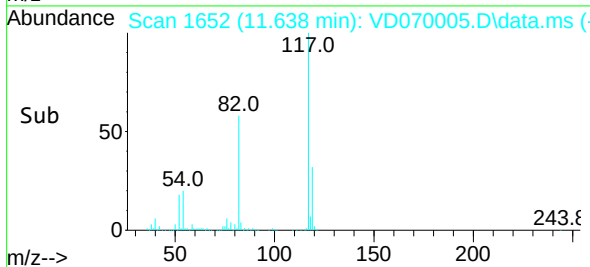
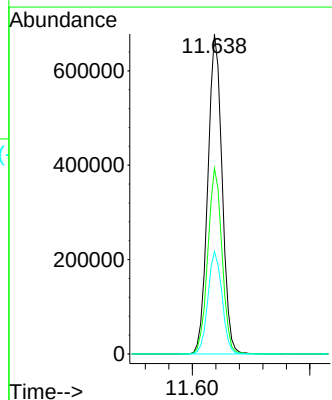
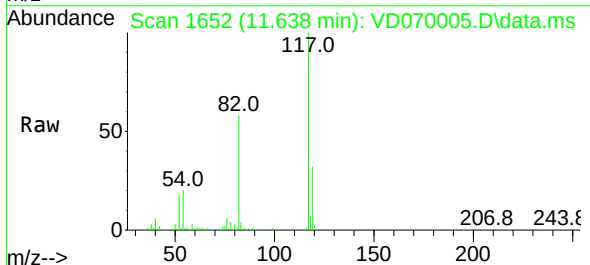
Instrument :
MSVOA_D
ClientSampleId :

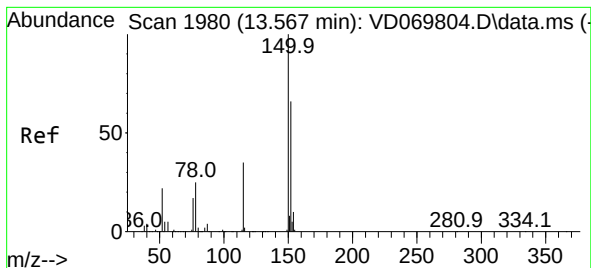
Tgt Ion: 95 Resp: 526430
Ion Ratio Lower Upper
95 100
174 71.4 0.0 142.6
176 67.9 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070005.D
Acq: 09 Aug 2021 19:21

Tgt Ion: 117 Resp: 1142171
Ion Ratio Lower Upper
117 100
82 58.1 46.3 69.5
119 32.0 24.7 37.1

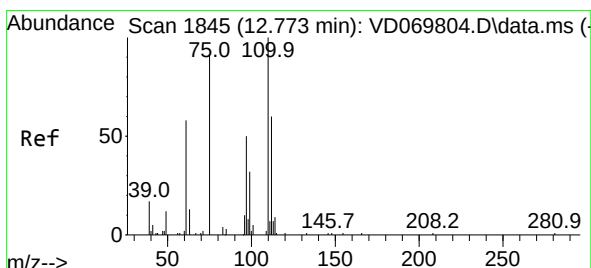
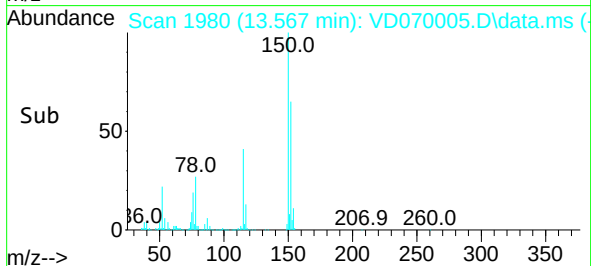
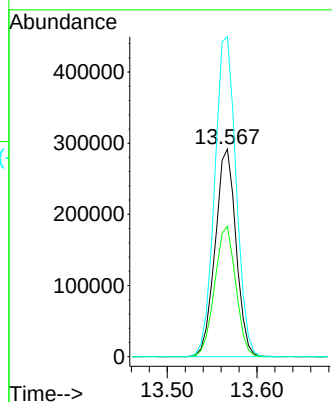
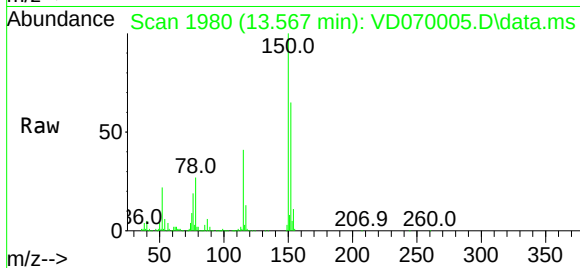




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD070005.D
 Acq: 09 Aug 2021 19:21

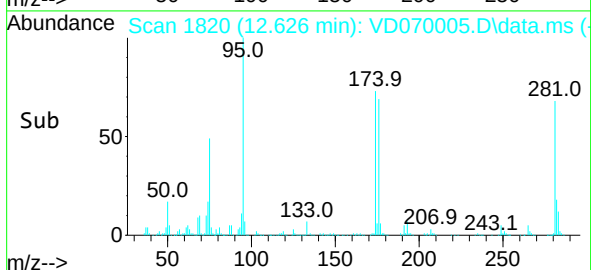
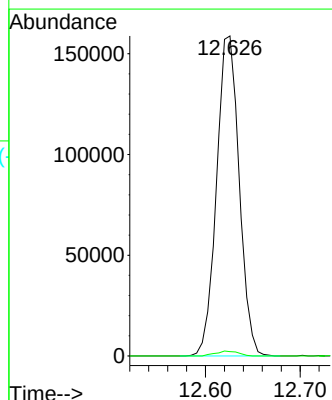
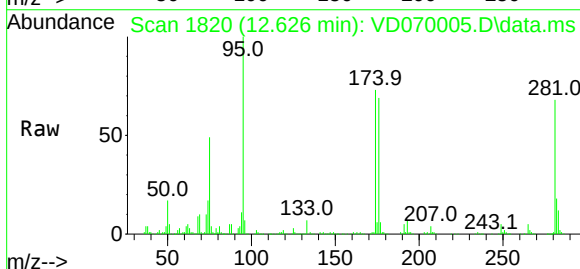
Instrument :
 MSVOA_D
 ClientSampled :

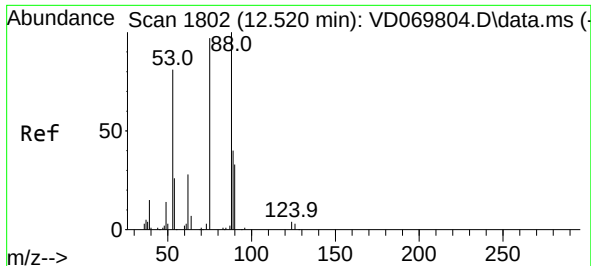
Tgt Ion:152 Resp: 470222
 Ion Ratio Lower Upper
 152 100
 115 63.5 31.1 93.3
 150 158.7 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 52.789 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070005.D
 Acq: 09 Aug 2021 19:21

Tgt Ion: 75 Resp: 263846
 Ion Ratio Lower Upper
 75 100
 77 1.5 181.5 544.5#

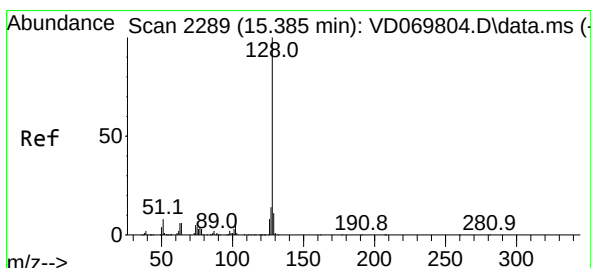
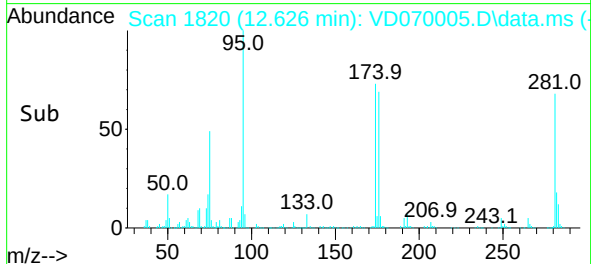
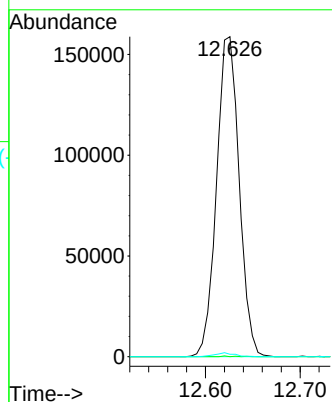
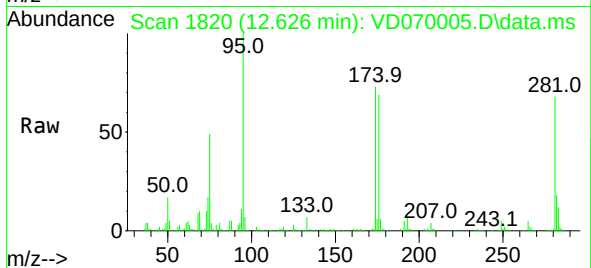




#81
trans-1,4-Dichloro-2-butene
Concen: 160.148 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070005.D
Acq: 09 Aug 2021 19:21

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 263846
Ion Ratio Lower Upper
75 100
53 0.1 67.2 100.8#
89 1.1 35.8 53.6#



#95
Naphthalene
Concen: 5.042 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD070005.D
Acq: 09 Aug 2021 19:21

Tgt Ion:128 Resp: 734
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

