

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
 Data File : VD071398.D
 Acq On : 20 Dec 2021 19:43
 Operator : VA/SY
 Sample : M5178-01
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 20 20:56:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

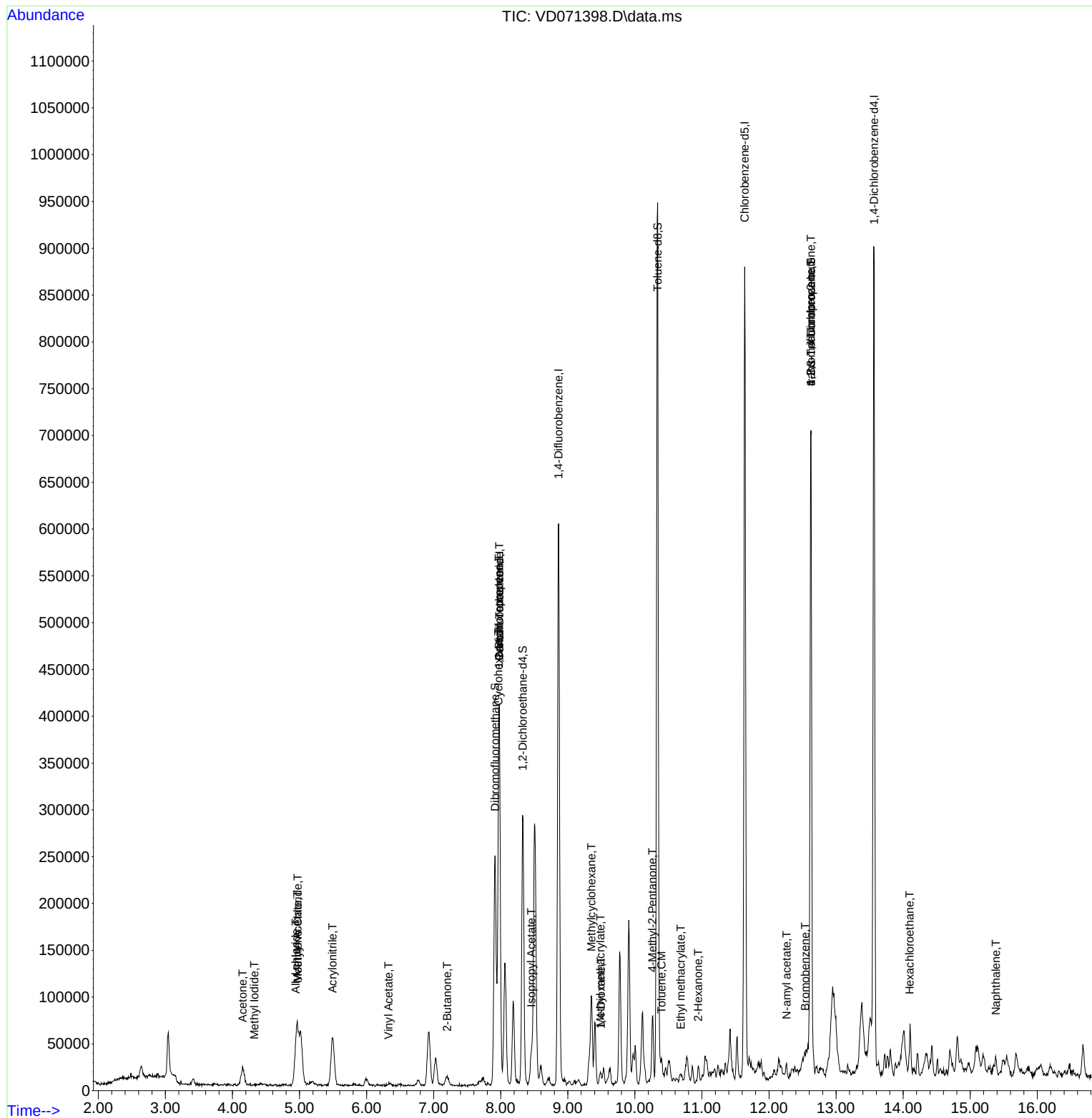
Internal Standards						
1) Pentafluorobenzene	7.979	168	261644	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	472040	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	452665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	220433	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	233974	76.211	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 152.420%			
35) Dibromofluoromethane	7.914	113	168743	56.137	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.280%			
50) Toluene-d8	10.338	98	596961	52.186	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.380%			
62) 4-Bromofluorobenzene	12.626	95	218477	55.099	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.200%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.326	142	269	4.640	ug/l #	40
11) Tert butyl alcohol	5.191	59	2768	Below Cal	#	71
14) Allyl chloride	4.944	41	9159	1.985	ug/l #	71
15) Acrylonitrile	5.491	53	1731	2.943	ug/l #	43
16) Acetone	4.150	43	28513	61.463	ug/l #	78
18) Methyl Acetate	4.968	43	35555	15.696	ug/l #	51
20) Methylene Chloride	4.973	84	26582	4.805	ug/l #	83
23) Vinyl Acetate	6.326	43	240	27.261	ug/l #	72
25) 2-Butanone	7.203	43	5869	33.885	ug/l #	88
31) Cyclohexane	7.967	56	21209	4.061	ug/l #	75
36) 1,1-Dichloropropene	7.973	75	23479	5.322	ug/l #	52
38) Carbon Tetrachloride	7.979	117	27514	6.327	ug/l #	16
39) Methylcyclohexane	9.350	83	17917	3.376	ug/l #	77
41) Methacrylonitrile	7.532	41	451	Below Cal	#	24
43) Isopropyl Acetate	8.456	43	7602	6.846	ug/l #	47
48) Methyl methacrylate	9.485	41	4311	2.311	ug/l #	30
49) 1,4-Dioxane	9.491	88	56	3.548	ug/l #	1
51) 4-Methyl-2-Pentanone	10.261	43	8826	34.255	ug/l #	73
52) Toluene	10.397	92	8603	1.131	ug/l	91
56) Ethyl methacrylate	10.685	69	609	6.144	ug/l #	1
59) 2-Hexanone	10.944	43	7258	38.436	ug/l #	22
74) N-amyl acetate	12.261	43	5065	6.728	ug/l #	65
76) 1,2,3-Trichloropropane	12.626	75	122475	58.316	ug/l #	1
77) Bromobenzene	12.538	156	3956	1.144	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	122475	126.421	ug/l #	18
90) Hexachloroethane	14.096	117	3406	1.272	ug/l #	14
95) Naphthalene	15.385	128	11542	1.794	ug/l #	89

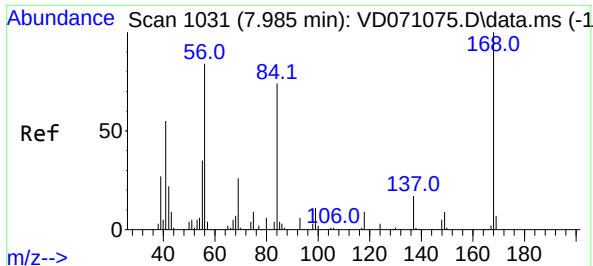
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
Data File : VD071398.D
Acq On : 20 Dec 2021 19:43
Operator : VA/SY
Sample : M5178-01
Misc : 5.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 20 20:56:22 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

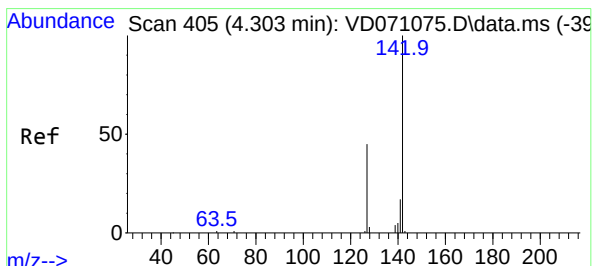
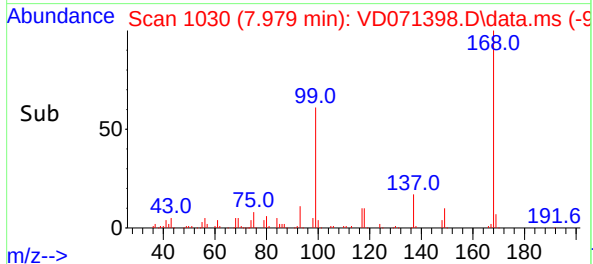
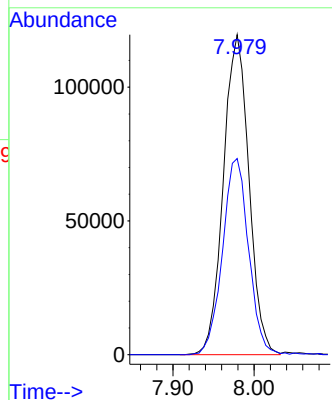
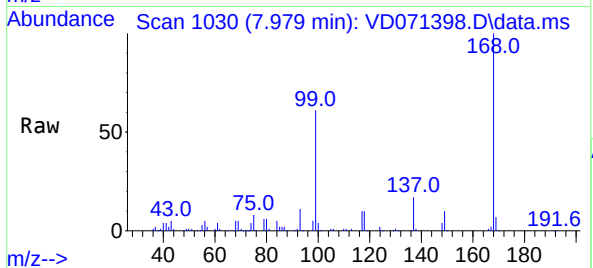




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071398.D
Acq: 20 Dec 2021 19:43

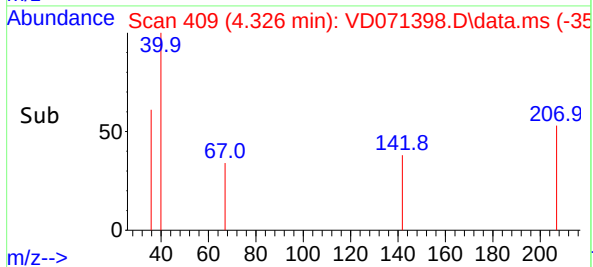
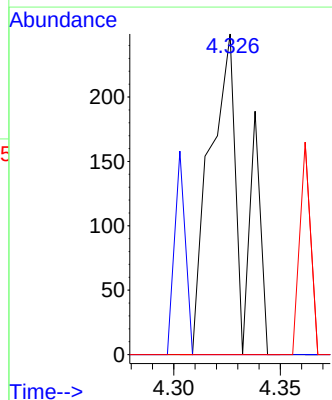
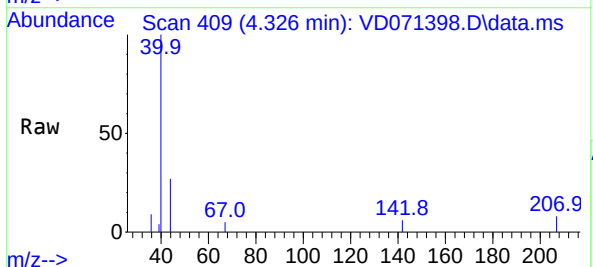
Instrument :
MSVOA_D
ClientSampleId :

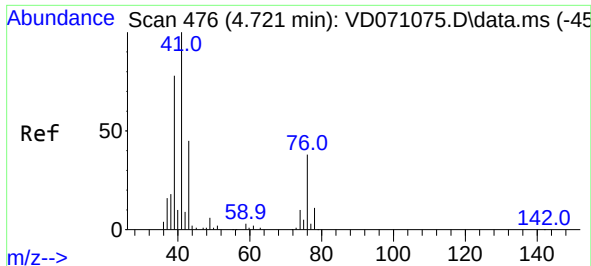
Tgt Ion:168 Resp: 261644
Ion Ratio Lower Upper
168 100
99 61.3 46.6 69.8



#10
Methyl Iodide
Concen: 4.640 ug/l
RT: 4.326 min Scan# 409
Delta R.T. 0.023 min
Lab File: VD071398.D
Acq: 20 Dec 2021 19:43

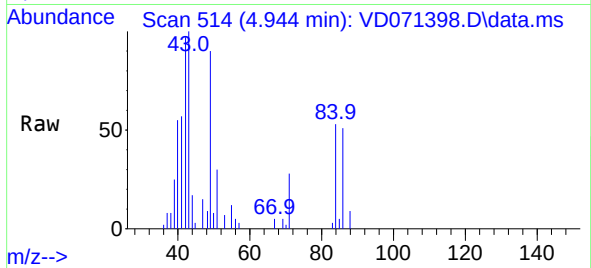
Tgt Ion:142 Resp: 269
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#



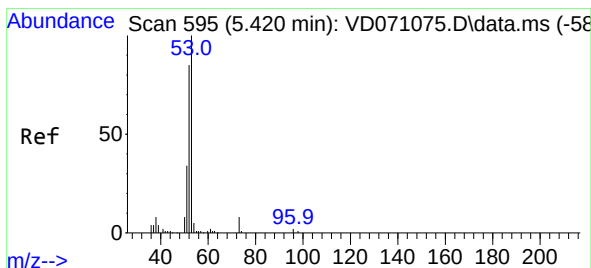
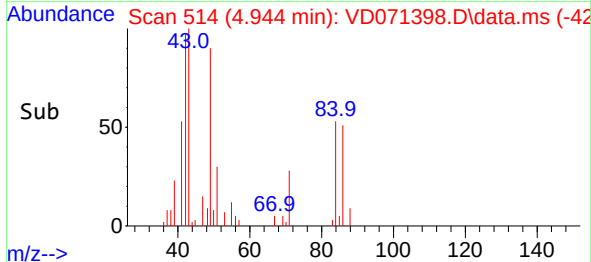
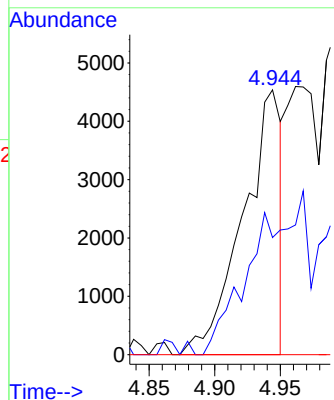


#14
Allyl chloride
Concen: 1.985 ug/l
RT: 4.944 min Scan# 51
Delta R.T. 0.223 min
Lab File: VD071398.D
Acq: 20 Dec 2021 19:43

Instrument :
MSVOA_D
ClientSampleId :

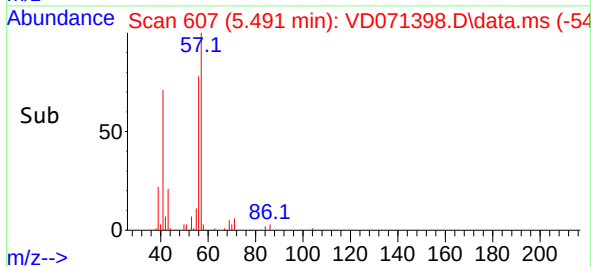
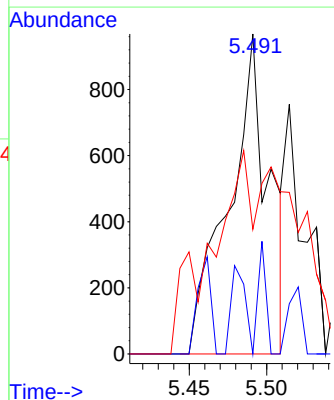
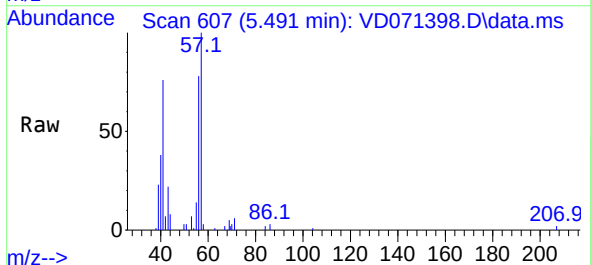


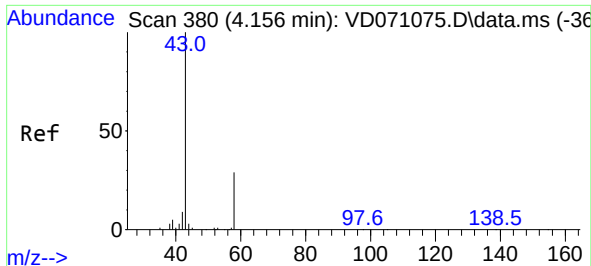
Tgt Ion: 41 Resp: 9159
Ion Ratio Lower Upper
41 100
39 52.0 45.6 68.4
76 0.0 30.2 45.4#



#15
Acrylonitrile
Concen: 2.943 ug/l
RT: 5.491 min Scan# 607
Delta R.T. 0.071 min
Lab File: VD071398.D
Acq: 20 Dec 2021 19:43

Tgt Ion: 53 Resp: 1731
Ion Ratio Lower Upper
53 100
52 9.8 63.8 95.8#
51 32.0 28.5 42.7

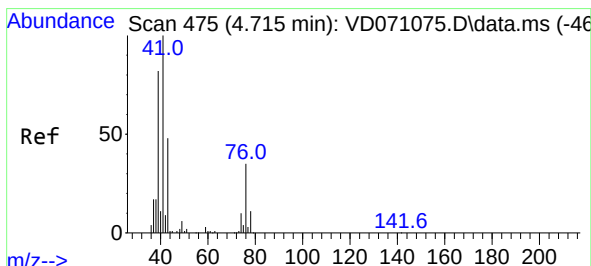
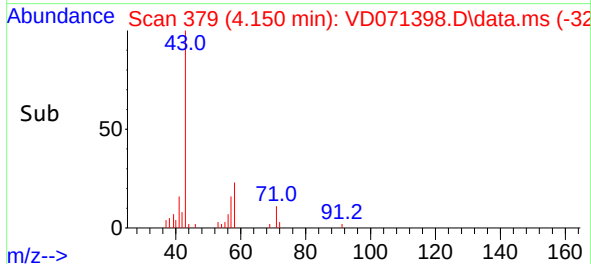
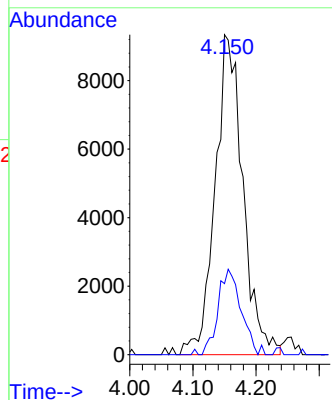
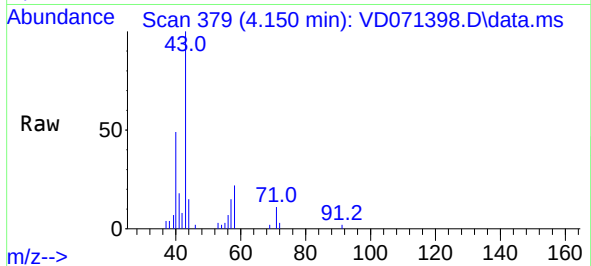




#16
Acetone
Concen: 61.463 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD071398.D
Acq: 20 Dec 2021 19:43

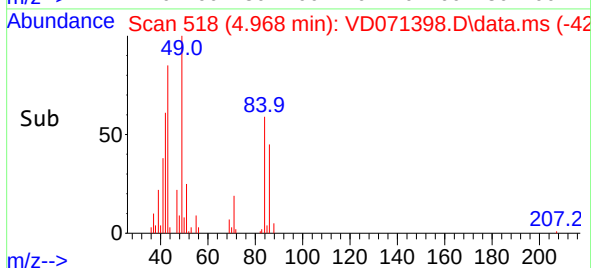
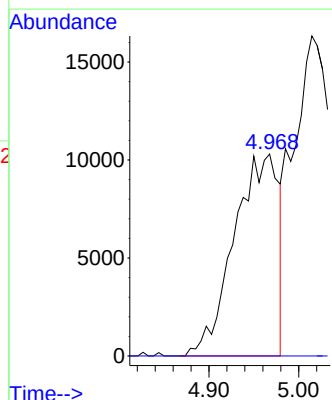
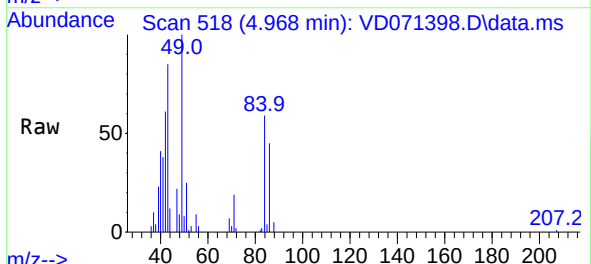
Instrument :
MSVOA_D
ClientSampleId :

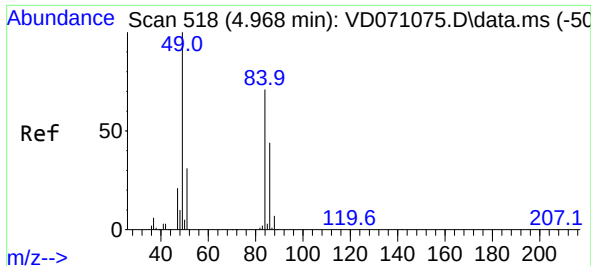
Tgt Ion: 43 Resp: 28513
Ion Ratio Lower Upper
43 100
58 22.2 27.8 41.8#



#18
Methyl Acetate
Concen: 15.696 ug/l
RT: 4.968 min Scan# 518
Delta R.T. 0.253 min
Lab File: VD071398.D
Acq: 20 Dec 2021 19:43

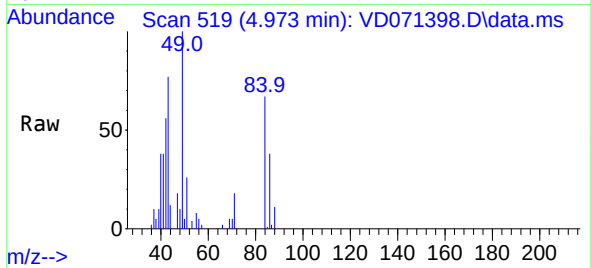
Tgt Ion: 43 Resp: 35555
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#





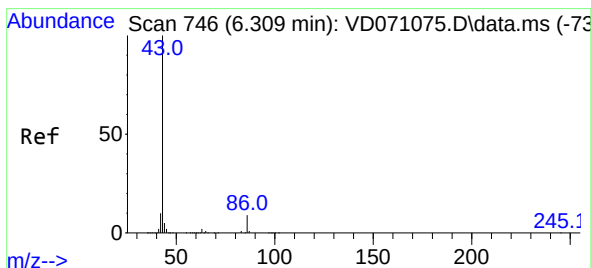
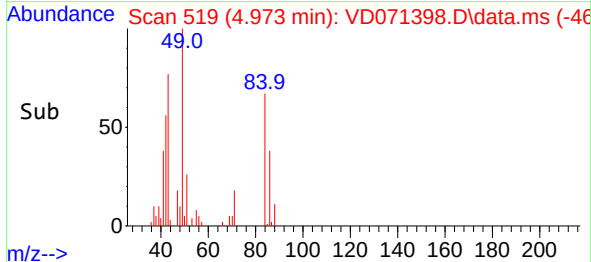
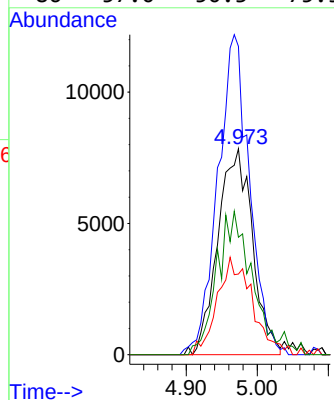
#20
Methylene Chloride
Concen: 4.805 ug/l
RT: 4.973 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD071398.D
Acq: 20 Dec 2021 19:43

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 26582

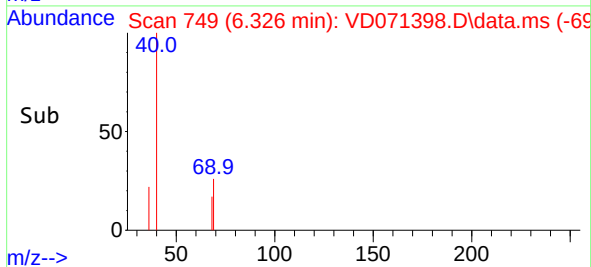
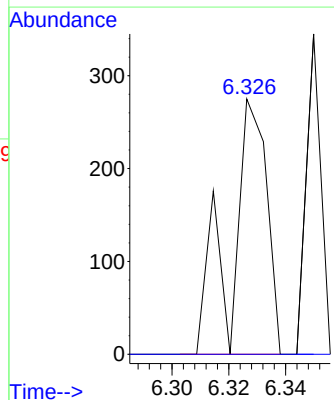
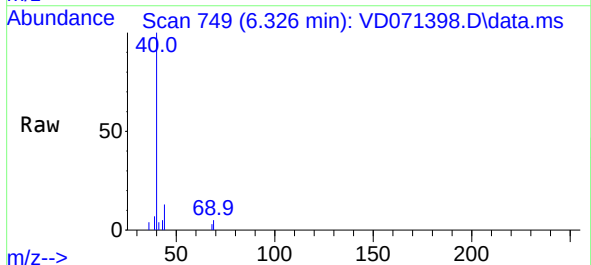
Ion	Ratio	Lower	Upper
84	100		
49	149.7	95.8	143.6#
51	39.1	30.9	46.3
86	57.0	50.3	75.5

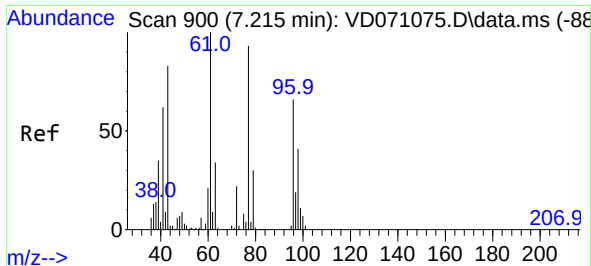


#23
Vinyl Acetate
Concen: 27.261 ug/l
RT: 6.326 min Scan# 749
Delta R.T. 0.017 min
Lab File: VD071398.D
Acq: 20 Dec 2021 19:43

Tgt Ion: 43 Resp: 240

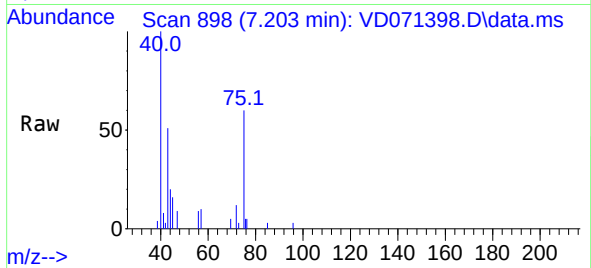
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#



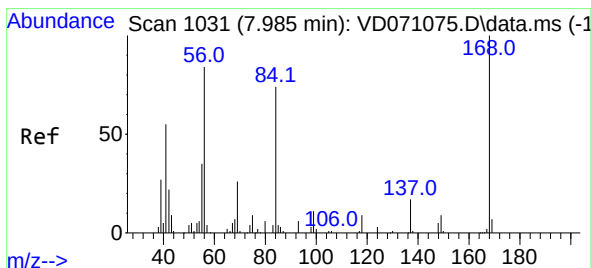
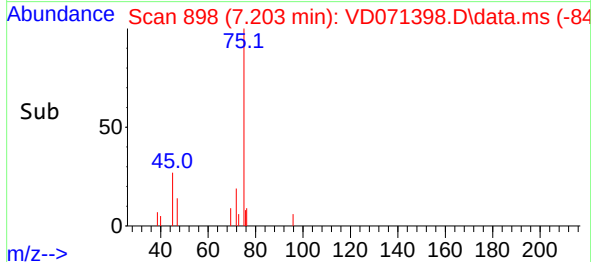
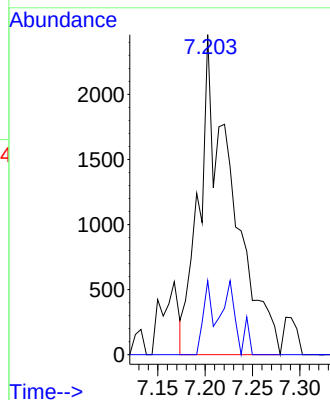


#25
2-Butanone
Concen: 33.885 ug/l
RT: 7.203 min Scan# 89
Delta R.T. -0.012 min
Lab File: VD071398.D
Acq: 20 Dec 2021 19:43

Instrument :
MSVOA_D
ClientSampleId :

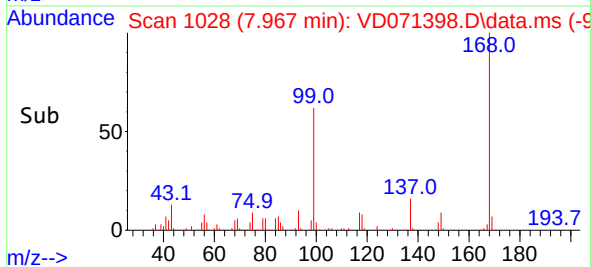
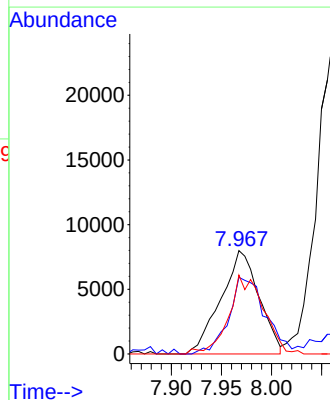
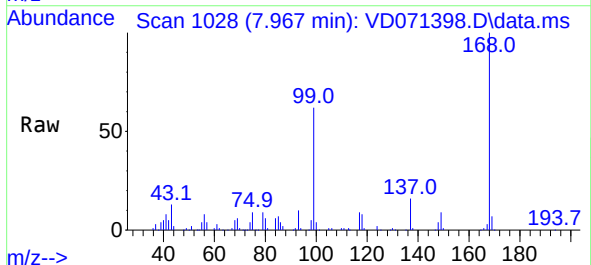


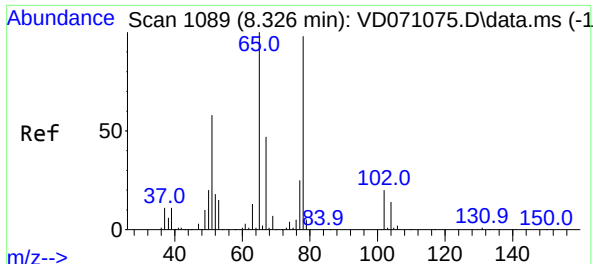
Tgt Ion: 43 Resp: 5869
Ion Ratio Lower Upper
43 100
72 23.1 23.8 35.6#



#31
Cyclohexane
Concen: 4.061 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD071398.D
Acq: 20 Dec 2021 19:43

Tgt Ion: 56 Resp: 21209
Ion Ratio Lower Upper
56 100
69 74.1 25.9 38.9#
84 76.2 64.3 96.5

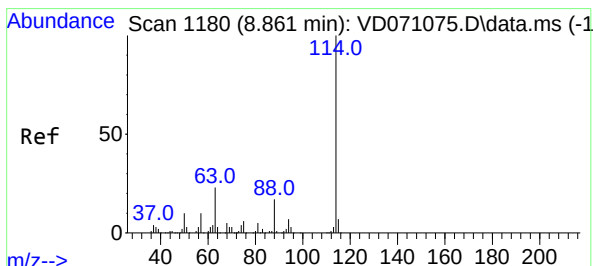
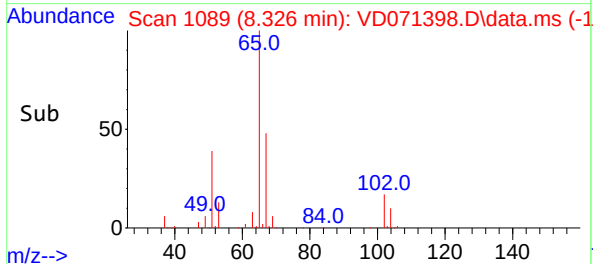
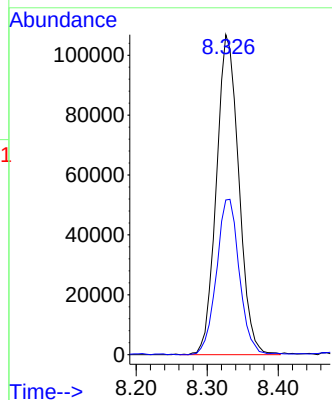
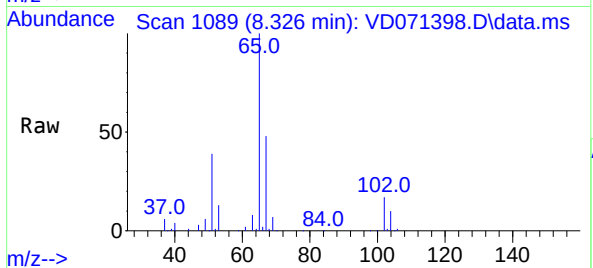




#33
1,2-Dichloroethane-d4
Concen: 76.211 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071398.D
Acq: 20 Dec 2021 19:43

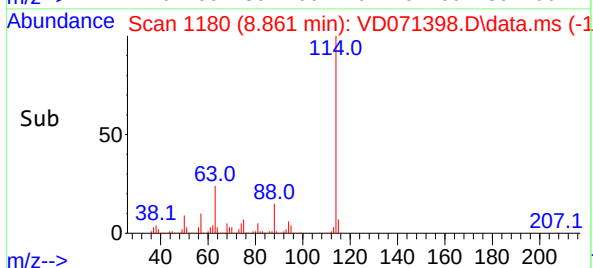
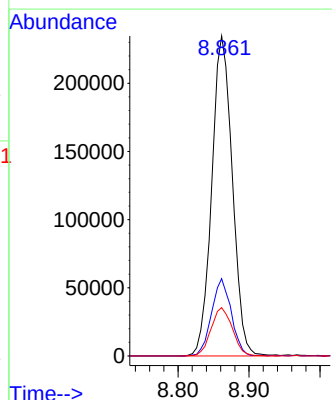
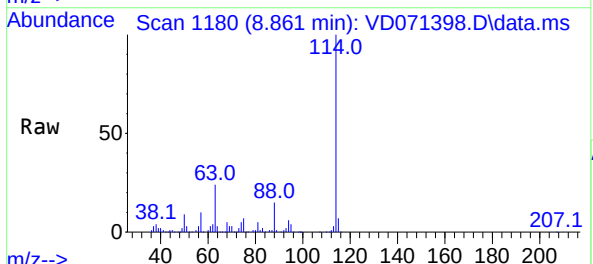
Instrument :
MSVOA_D
ClientSampleId :

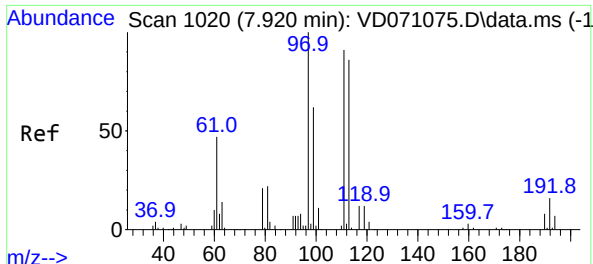
Tgt Ion: 65 Resp: 233974
Ion Ratio Lower Upper
65 100
67 49.5 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071398.D
Acq: 20 Dec 2021 19:43

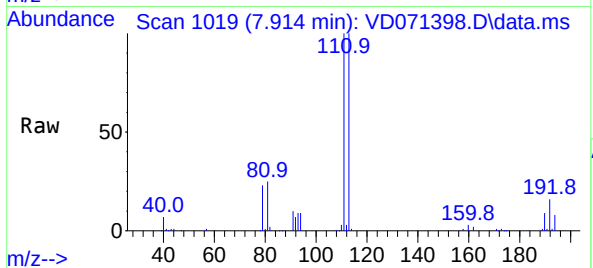
Tgt Ion:114 Resp: 472040
Ion Ratio Lower Upper
114 100
63 24.2 0.0 41.8
88 15.1 0.0 32.8



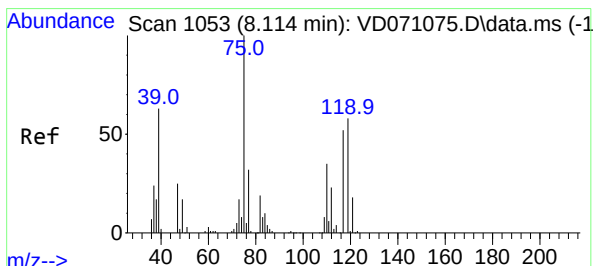
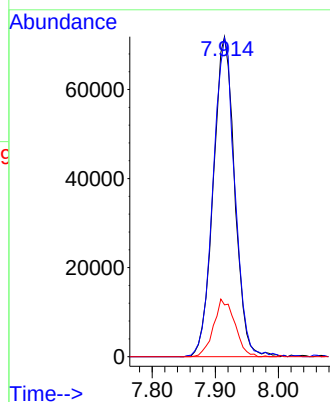
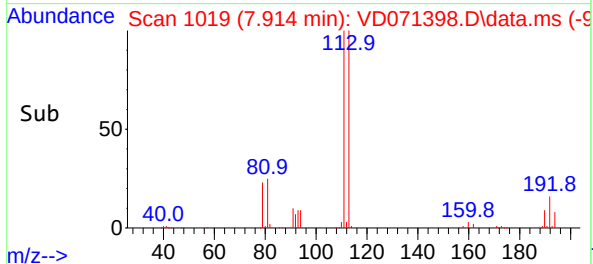


#35
Dibromofluoromethane
Concen: 56.137 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD071398.D
Acq: 20 Dec 2021 19:43

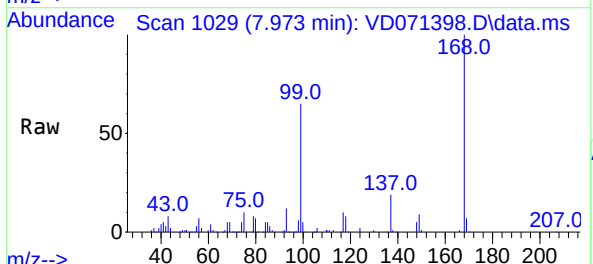
Instrument :
MSVOA_D
ClientSampleId :



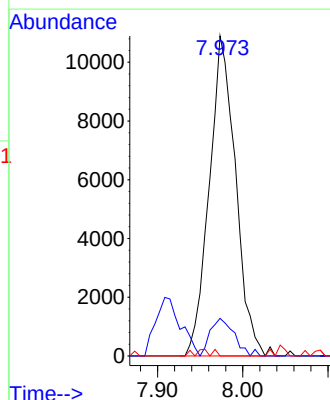
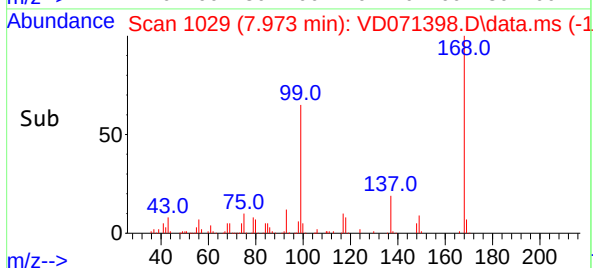
Tgt Ion:113 Resp: 168743
Ion Ratio Lower Upper
113 100
111 101.1 82.0 123.0
192 17.8 15.2 22.8

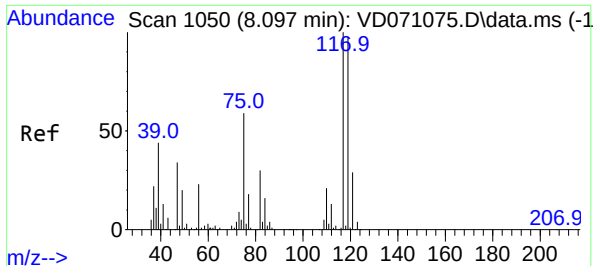


#36
1,1-Dichloropropene
Concen: 5.322 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD071398.D
Acq: 20 Dec 2021 19:43



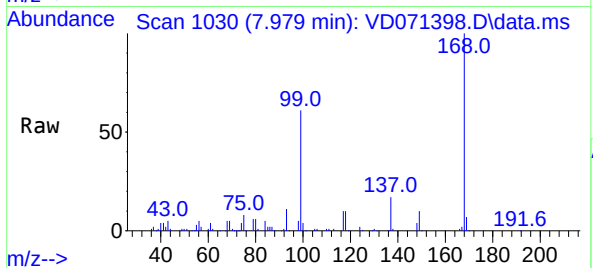
Tgt Ion: 75 Resp: 23479
Ion Ratio Lower Upper
75 100
110 10.7 17.8 53.4#
77 1.3 24.8 37.2#



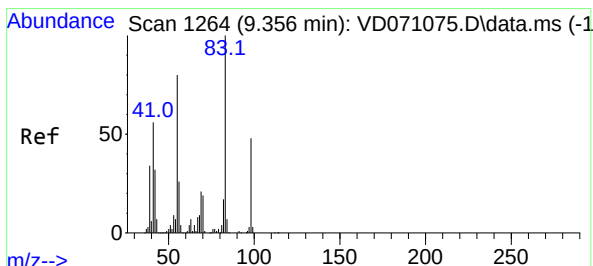
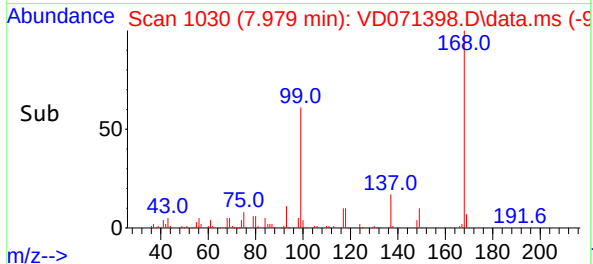
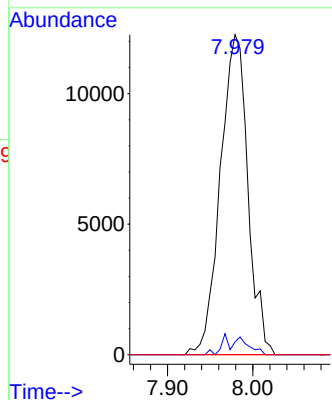


#38
Carbon Tetrachloride
Concen: 6.327 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.118 min
Lab File: VD071398.D
Acq: 20 Dec 2021 19:43

Instrument :
MSVOA_D
ClientSampleId :

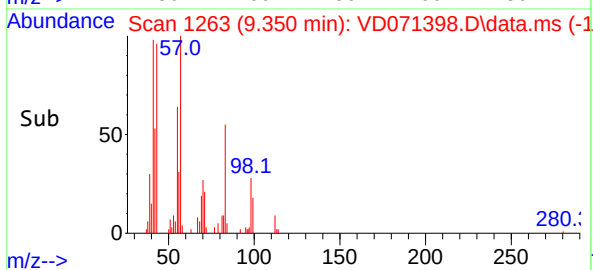
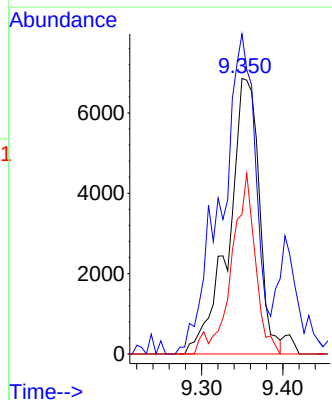
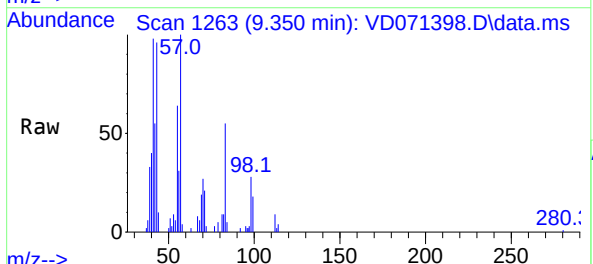


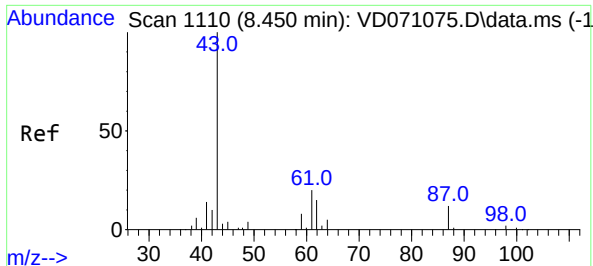
Tgt Ion:117 Resp: 27514
Ion Ratio Lower Upper
117 100
119 4.0 75.8 113.6#
121 0.0 23.6 35.4#



#39
Methylcyclohexane
Concen: 3.376 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. -0.006 min
Lab File: VD071398.D
Acq: 20 Dec 2021 19:43

Tgt Ion: 83 Resp: 17917
Ion Ratio Lower Upper
83 100
55 113.7 65.8 98.8#
98 50.6 38.7 58.1





#43

Isopropyl Acetate

Concen: 6.846 ug/l

RT: 8.456 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VD071398.D

Acq: 20 Dec 2021 19:43

Instrument :

MSVOA_D

ClientSampleId :

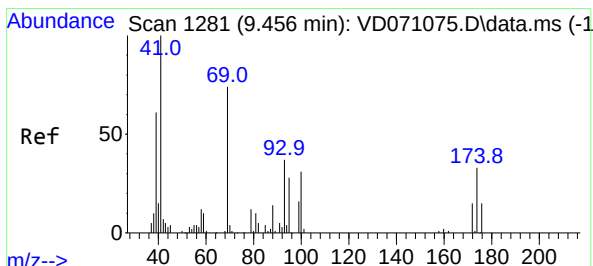
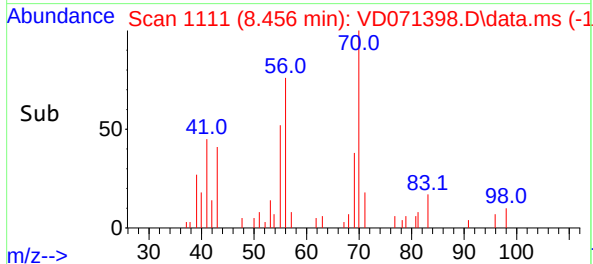
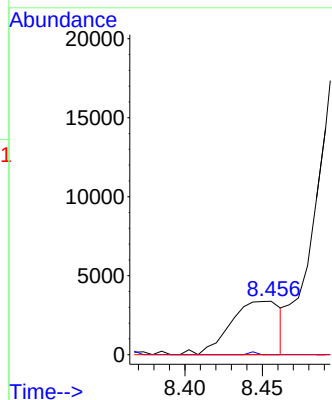
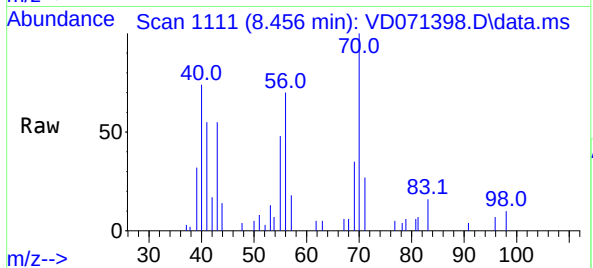
Tgt Ion: 43 Resp: 7602

Ion Ratio Lower Upper

43 100

61 0.0 28.2 42.4#

87 0.0 10.7 16.1#



#48

Methyl methacrylate

Concen: 2.311 ug/l

RT: 9.485 min Scan# 1286

Delta R.T. 0.029 min

Lab File: VD071398.D

Acq: 20 Dec 2021 19:43

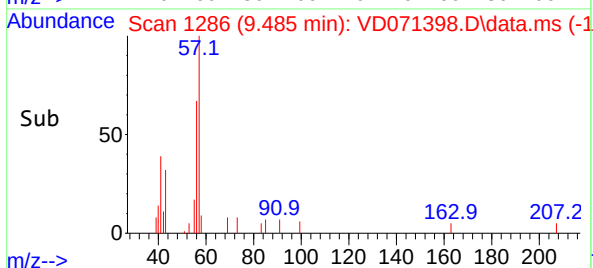
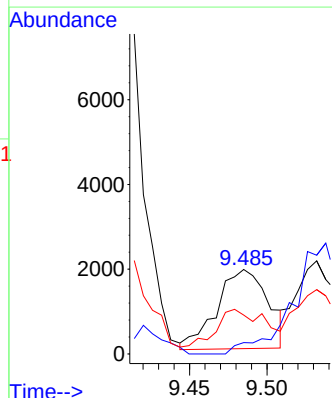
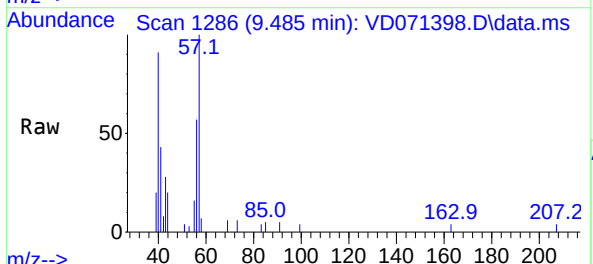
Tgt Ion: 41 Resp: 4311

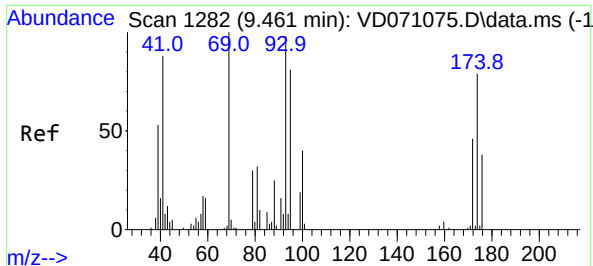
Ion Ratio Lower Upper

41 100

69 0.0 69.8 104.6#

39 59.3 35.6 53.4#





#49

1,4-Dioxane

Concen: 3.548 ug/l

RT: 9.491 min Scan# 1

Delta R.T. 0.030 min

Lab File: VD071398.D

Acq: 20 Dec 2021 19:43

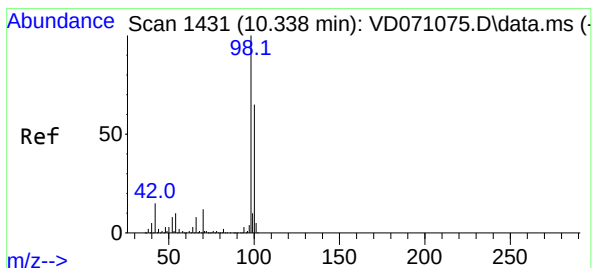
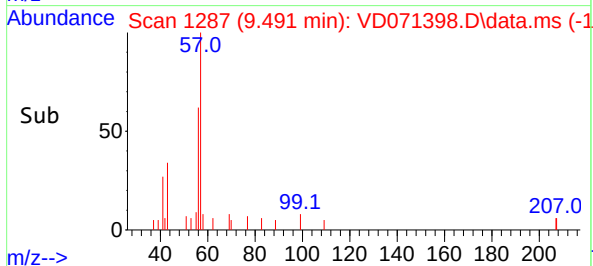
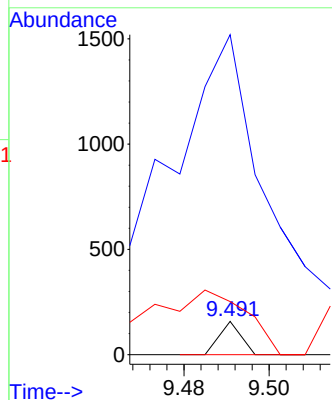
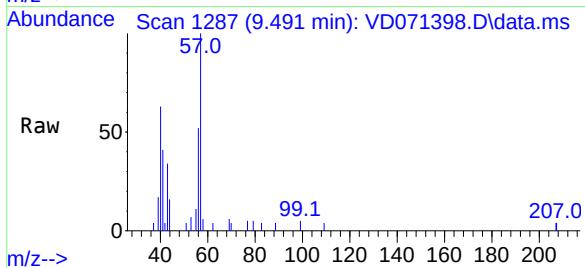
Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 88 Resp: 56

Ion	Ratio	Lower	Upper
88	100		
43	3257.1	28.9	43.3#
58	841.1	56.3	84.5#



#50

Toluene-d8

Concen: 52.186 ug/l

RT: 10.338 min Scan# 1431

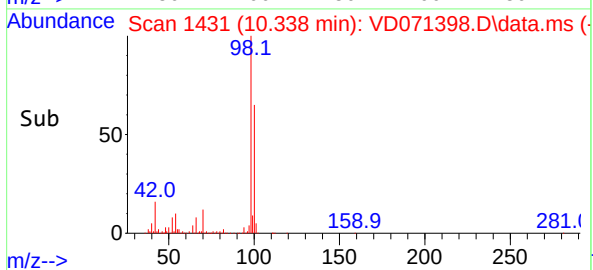
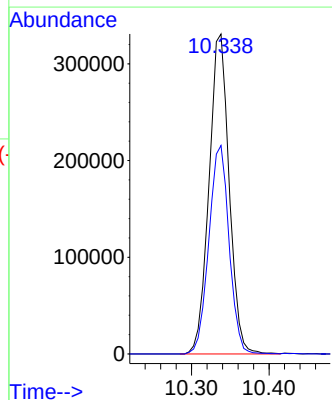
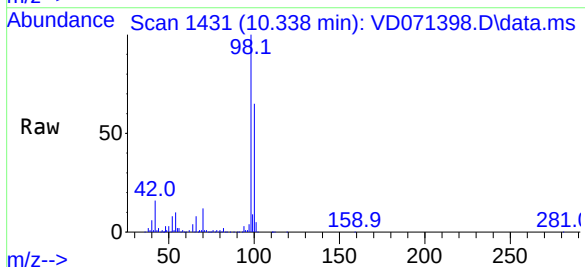
Delta R.T. -0.000 min

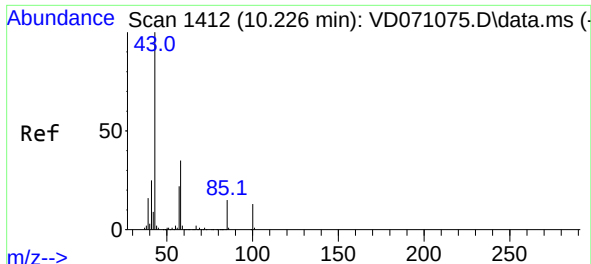
Lab File: VD071398.D

Acq: 20 Dec 2021 19:43

Tgt Ion: 98 Resp: 596961

Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.8	77.6

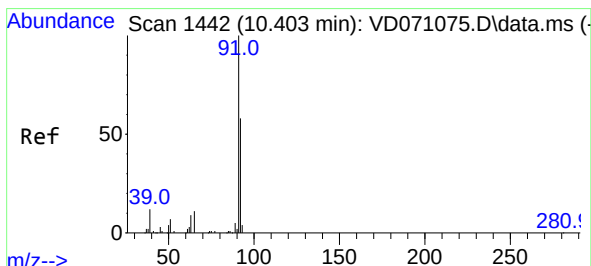
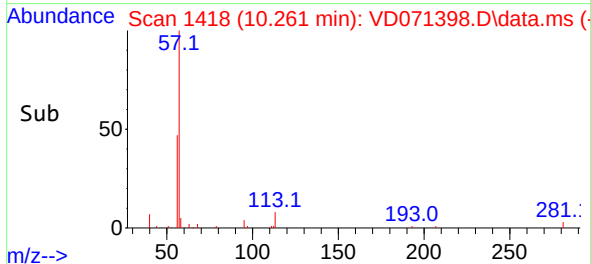
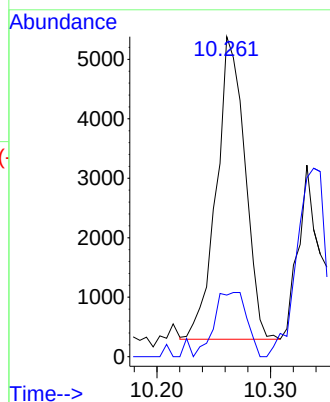
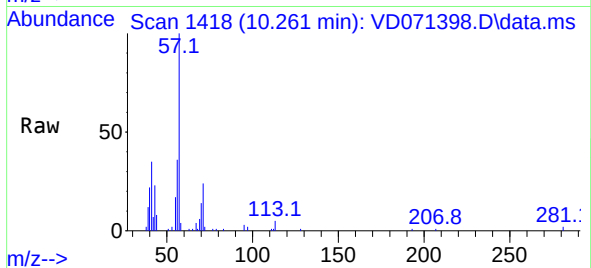




#51
4-Methyl-2-Pentanone
Concen: 34.255 ug/l
RT: 10.261 min Scan# 1418
Delta R.T. 0.035 min
Lab File: VD071398.D
Acq: 20 Dec 2021 19:43

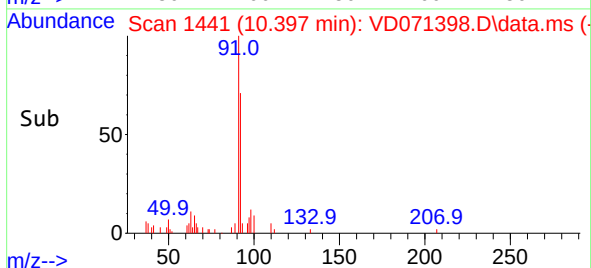
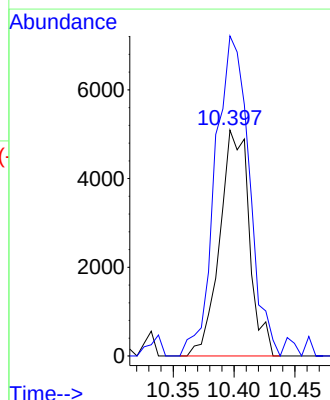
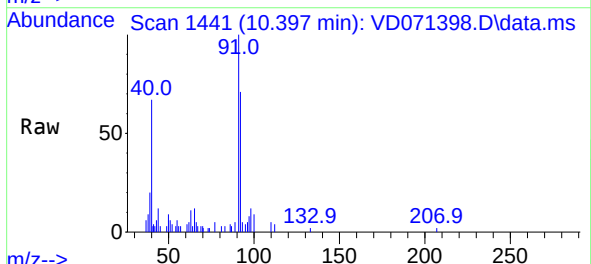
Instrument :
MSVOA_D
ClientSampleId :

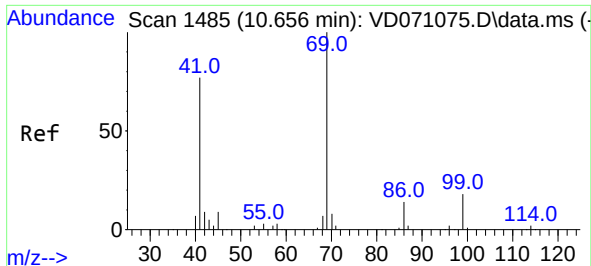
Tgt Ion: 43 Resp: 8826
Ion Ratio Lower Upper
43 100
58 24.3 33.1 49.7#



#52
Toluene
Concen: 1.131 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.006 min
Lab File: VD071398.D
Acq: 20 Dec 2021 19:43

Tgt Ion: 92 Resp: 8603
Ion Ratio Lower Upper
92 100
91 162.9 140.7 211.1

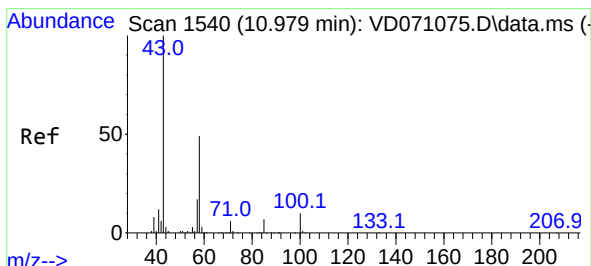
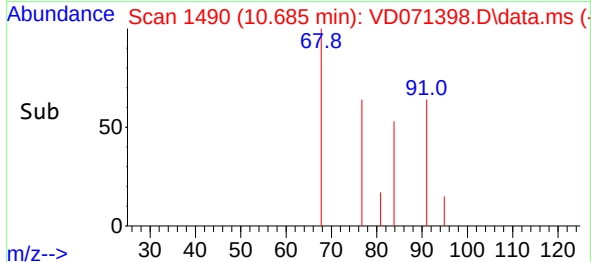
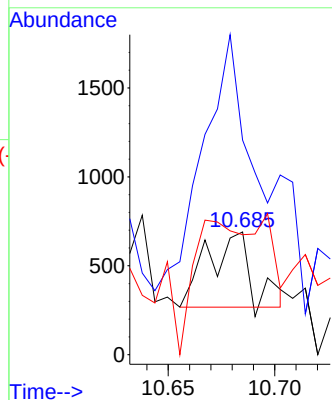
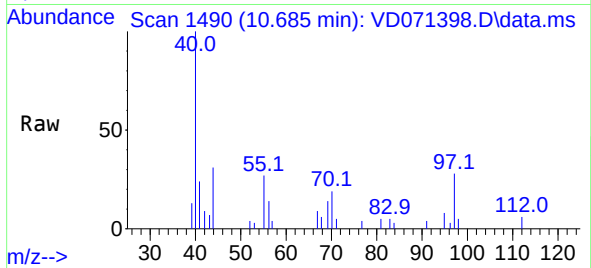




#56
Ethyl methacrylate
Concen: 6.144 ug/l
RT: 10.685 min Scan# 1485
Delta R.T. 0.029 min
Lab File: VD071398.D
Acq: 20 Dec 2021 19:43

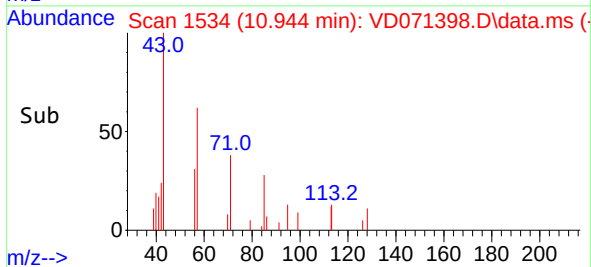
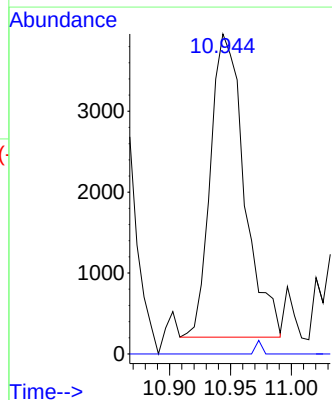
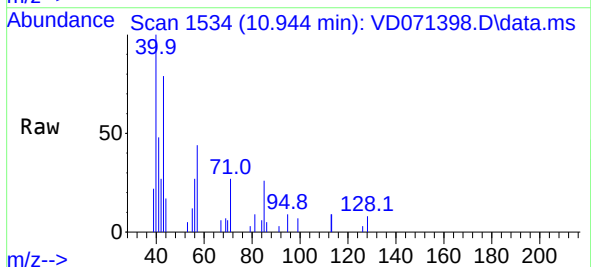
Instrument :
MSVOA_D
ClientSampleId :

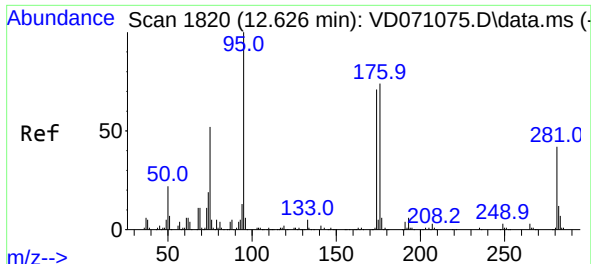
Tgt Ion: 69 Resp: 609
Ion Ratio Lower Upper
69 100
41 466.0 50.2 75.2#
39 330.2 19.8 29.8#



#59
2-Hexanone
Concen: 38.436 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.035 min
Lab File: VD071398.D
Acq: 20 Dec 2021 19:43

Tgt Ion: 43 Resp: 7258
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

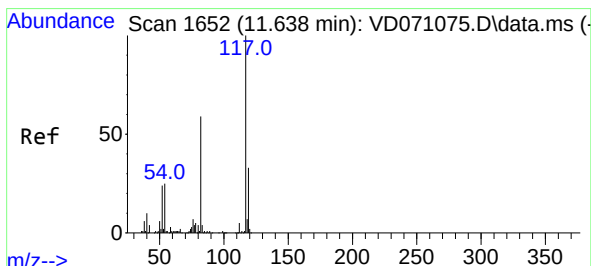
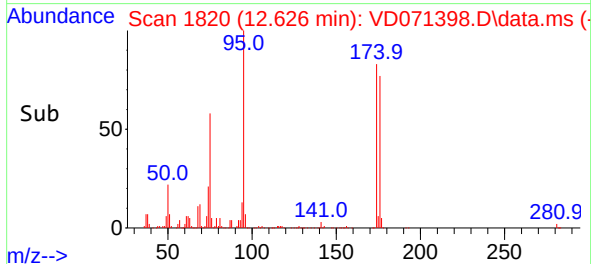
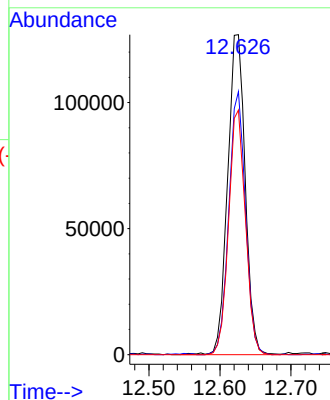
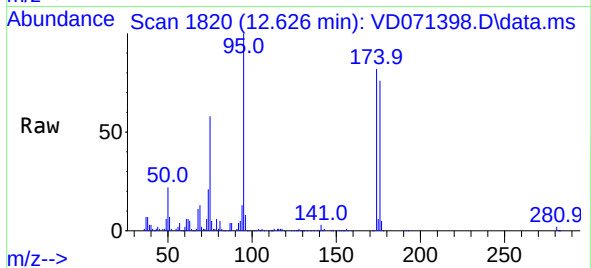




#62
4-Bromofluorobenzene
Concen: 55.099 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071398.D
Acq: 20 Dec 2021 19:43

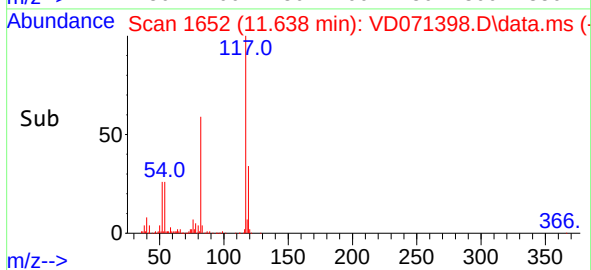
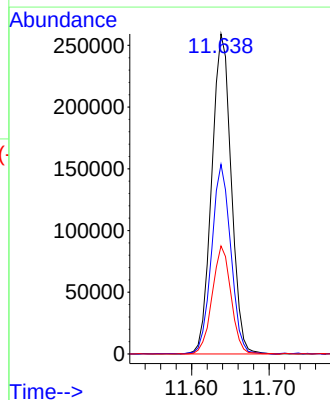
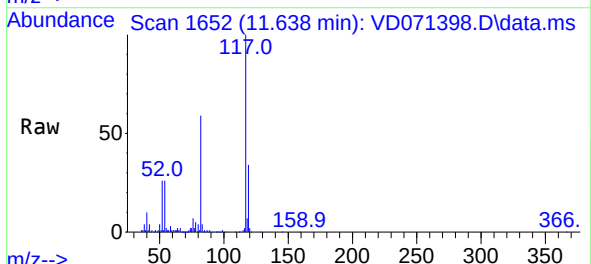
Instrument :
MSVOA_D
ClientSampleId :

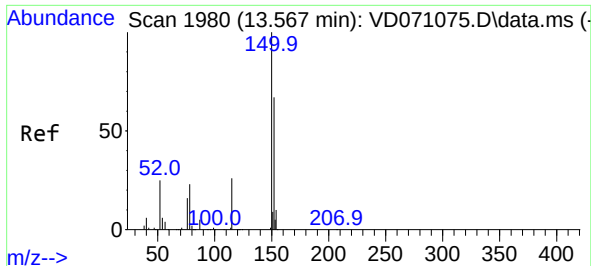
Tgt Ion: 95 Resp: 218477
Ion Ratio Lower Upper
95 100
174 77.8 0.0 159.4
176 72.8 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071398.D
Acq: 20 Dec 2021 19:43

Tgt Ion: 117 Resp: 452665
Ion Ratio Lower Upper
117 100
82 59.2 44.7 67.1
119 33.8 26.2 39.4

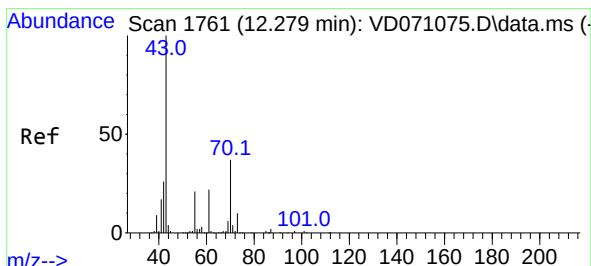
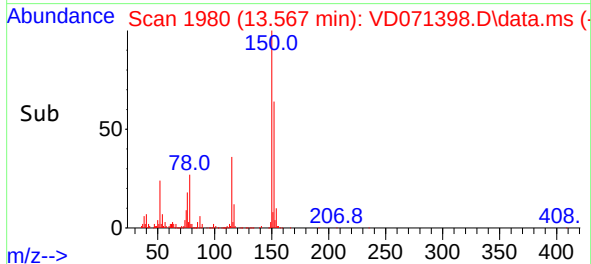
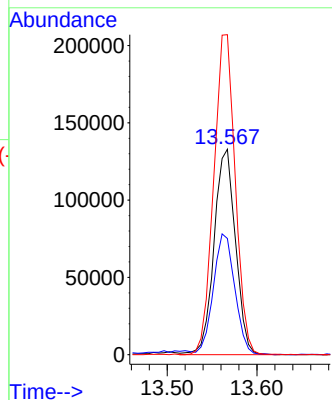
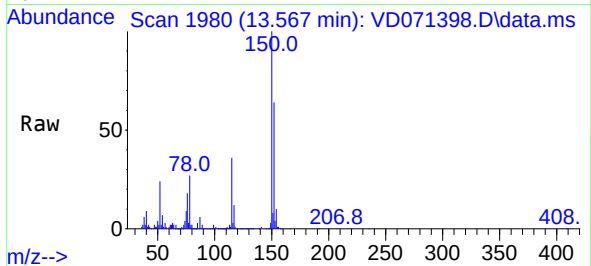




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071398.D
Acq: 20 Dec 2021 19:43

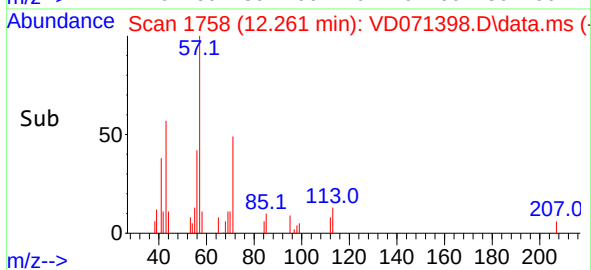
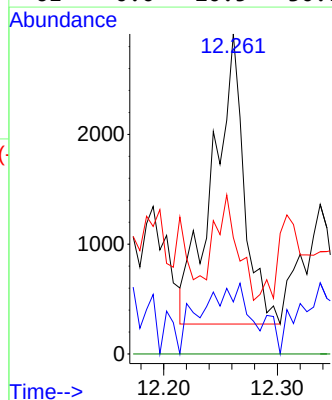
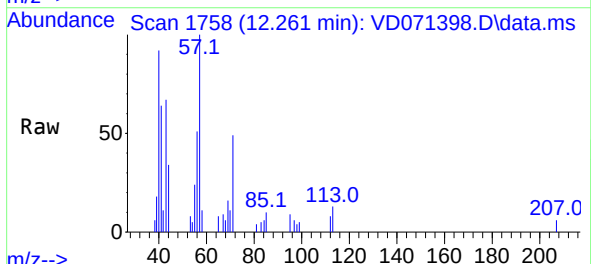
Instrument :
MSVOA_D
ClientSampleId :

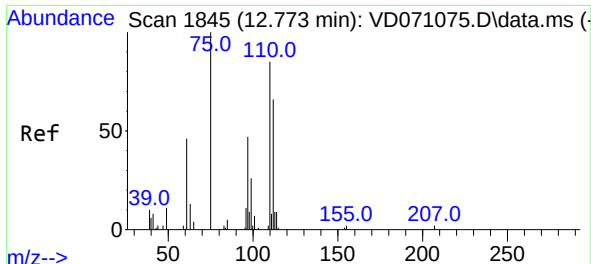
Tgt Ion:152 Resp: 220433
Ion Ratio Lower Upper
152 100
115 59.1 29.8 89.3
150 156.4 0.0 349.2



#74
N-ethyl acetate
Concen: 6.728 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD071398.D
Acq: 20 Dec 2021 19:43

Tgt Ion: 43 Resp: 5065
Ion Ratio Lower Upper
43 100
70 18.1 36.6 55.0#
55 22.5 22.5 33.7#
61 0.0 20.5 30.7#

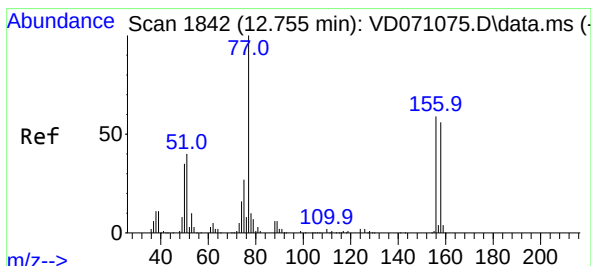
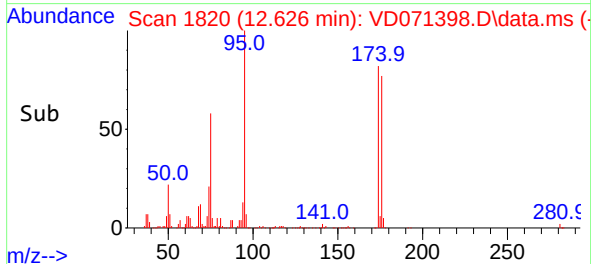
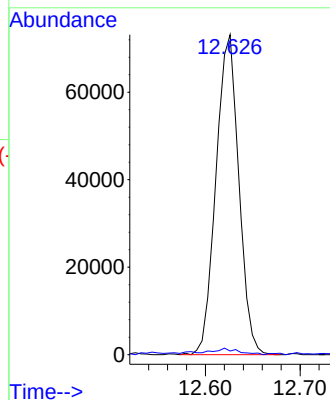
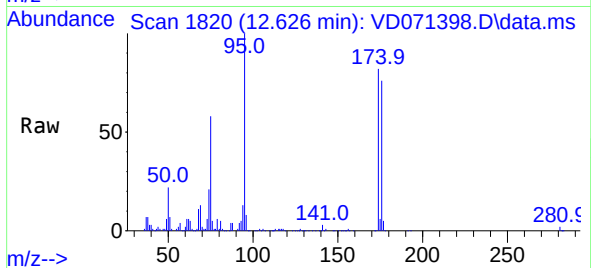




#76
1,2,3-Trichloropropane
Concen: 58.316 ug/l
RT: 12.626 min Scan# 11
Delta R.T. -0.147 min
Lab File: VD071398.D
Acq: 20 Dec 2021 19:43

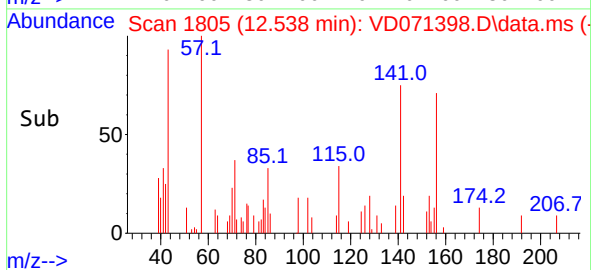
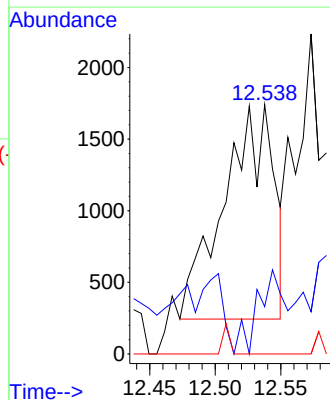
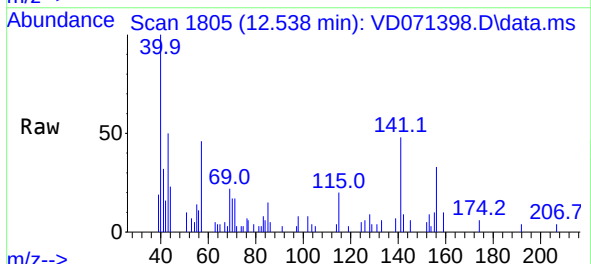
Instrument :
MSVOA_D
ClientSampleId :

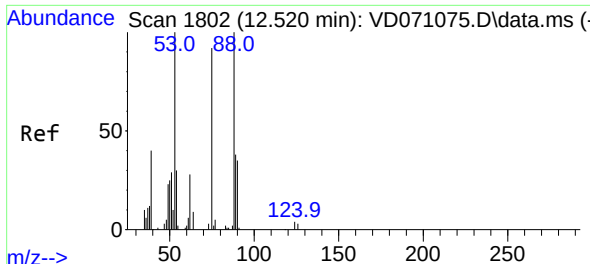
Tgt Ion: 75 Resp: 122475
Ion Ratio Lower Upper
75 100
77 2.2 158.4 475.3#



#77
Bromobenzene
Concen: 1.144 ug/l
RT: 12.538 min Scan# 1805
Delta R.T. -0.217 min
Lab File: VD071398.D
Acq: 20 Dec 2021 19:43

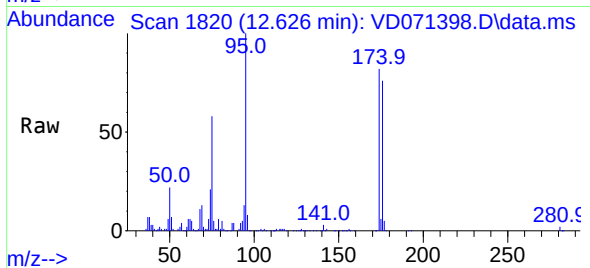
Tgt Ion:156 Resp: 3956
Ion Ratio Lower Upper
156 100
77 20.8 96.6 289.8#
158 0.0 49.1 147.4#



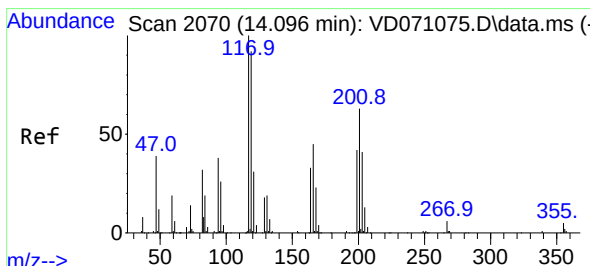
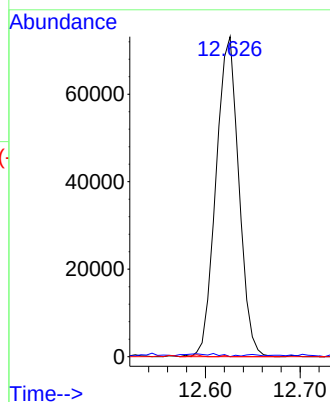
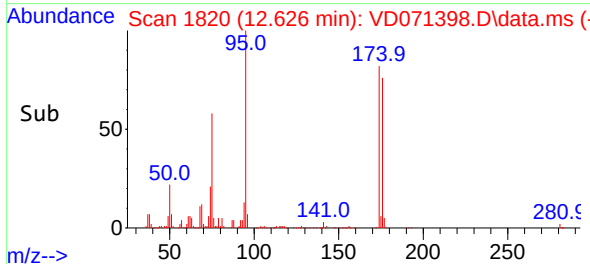


#81
trans-1,4-Dichloro-2-butene
Concen: 126.421 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD071398.D
Acq: 20 Dec 2021 19:43

Instrument :
MSVOA_D
ClientSampleId :

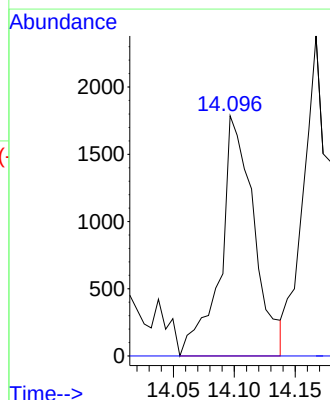
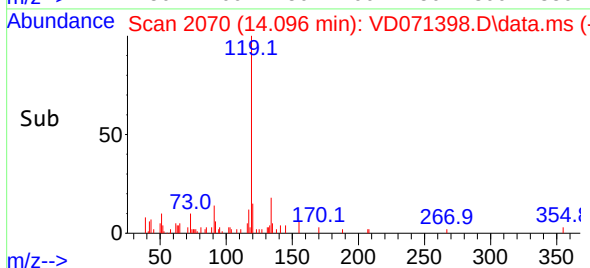
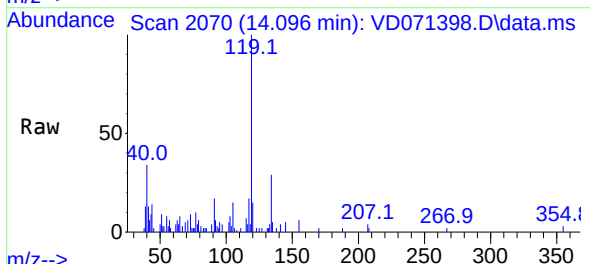


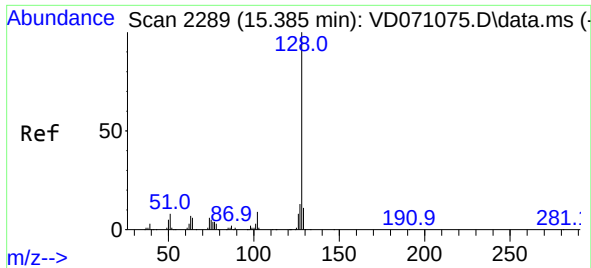
Tgt Ion: 75 Resp: 122475
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.1 34.5 51.7#



#90
Hexachloroethane
Concen: 1.272 ug/l
RT: 14.096 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VD071398.D
Acq: 20 Dec 2021 19:43

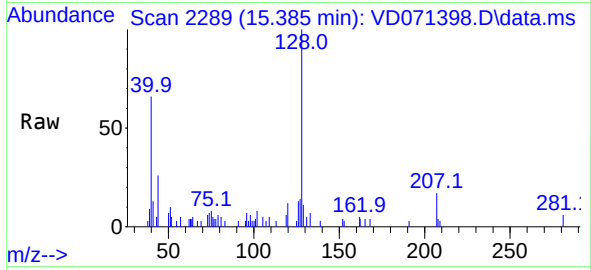
Tgt Ion: 117 Resp: 3406
Ion Ratio Lower Upper
117 100
201 0.0 36.0 108.1#





#95
Naphthalene
Concen: 1.794 ug/l
RT: 15.385 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD071398.D
Acq: 20 Dec 2021 19:43

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 11542
Ion Ratio Lower Upper
128 100
127 17.6 10.7 16.1#
129 14.9 8.7 13.1#

