

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062921\
 Data File : VX022998.D
 Acq On : 29 Jun 2021 13:10
 Operator : JC/MD
 Sample : M2838-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 30 01:43:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	55790	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	111948	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	100223	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	37052	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	55175	54.495	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	109.000%
35) Dibromofluoromethane	5.391	113	37965	53.404	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.800%
50) Toluene-d8	8.653	98	150598	54.053	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	108.100%
62) 4-Bromofluorobenzene	11.085	95	50716	48.774	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.540%

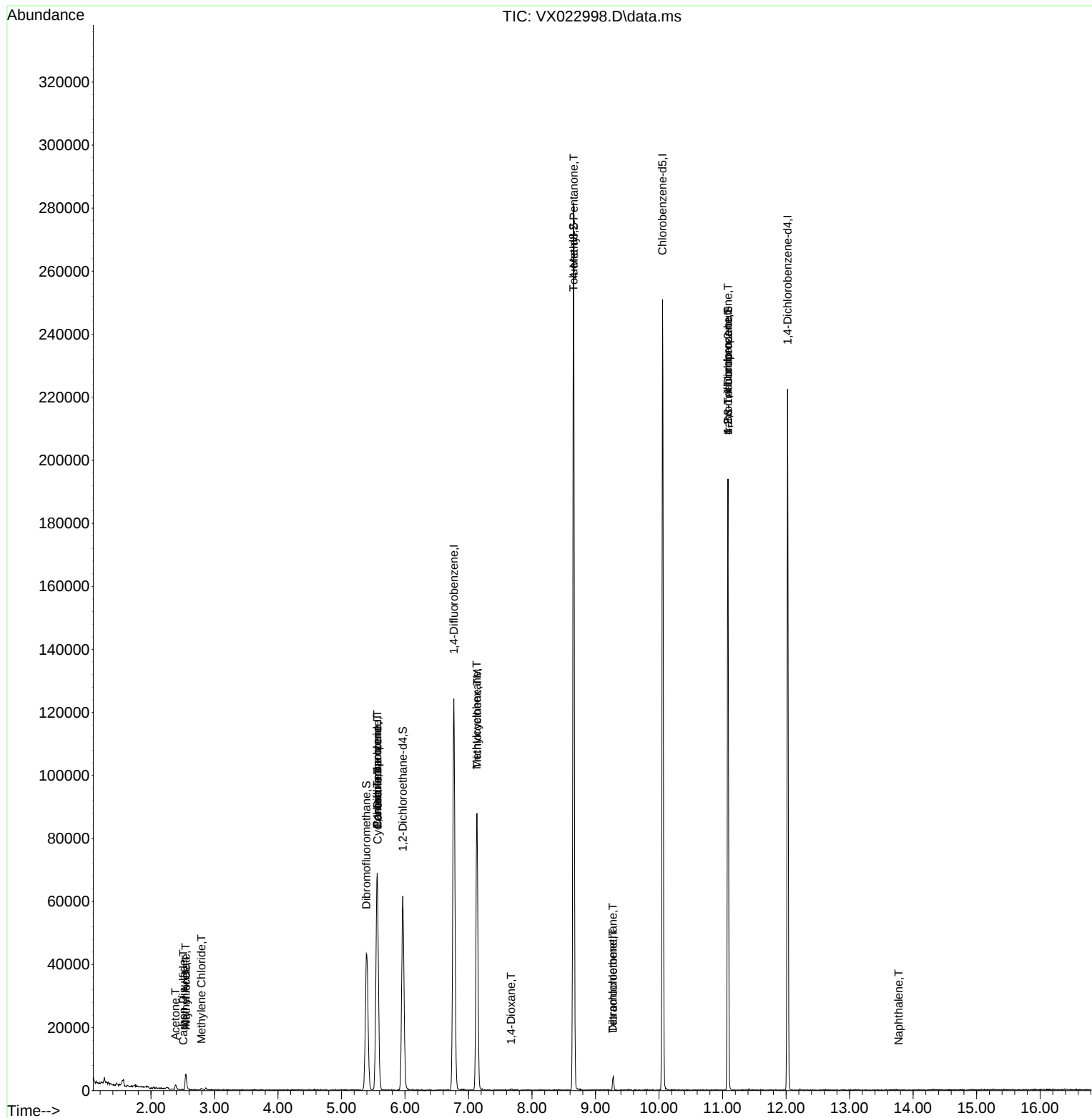
Target Compounds						Qvalue
14) Allyl chloride	2.550	41	519	0.377	ug/l	# 36
16) Acetone	2.385	43	1826	4.068	ug/l	96
17) Carbon Disulfide	2.507	76	135	3.579	ug/l	# 75
18) Methyl Acetate	2.544	43	1624	1.470	ug/l	# 47
20) Methylene Chloride	2.794	84	247	0.648	ug/l	# 66
31) Cyclohexane	5.568	56	1714	1.199	ug/l	# 46
36) 1,1-Dichloropropene	5.562	75	5554	4.671	ug/l	# 48
38) Carbon Tetrachloride	5.562	117	6817	6.835	ug/l	# 17
39) Methylcyclohexane	7.128	83	429	0.309	ug/l	# 10
44) Trichloroethene	7.135	130	29903	36.776	ug/l	95
49) 1,4-Dioxane	7.671	88	328	14.867	ug/l	# 62
51) 4-Methyl-2-Pentanone	8.659	43	751	0.545	ug/l	# 1
60) Dibromochloromethane	9.274	129	690	4.435	ug/l	# 11
64) Tetrachloroethene	9.274	164	799	1.134	ug/l	# 66
76) 1,2,3-Trichloropropane	11.085	75	27898	28.506	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.085	75	27898	73.479	ug/l	# 12
95) Naphthalene	13.774	128	82	1.949	ug/l	# 63

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

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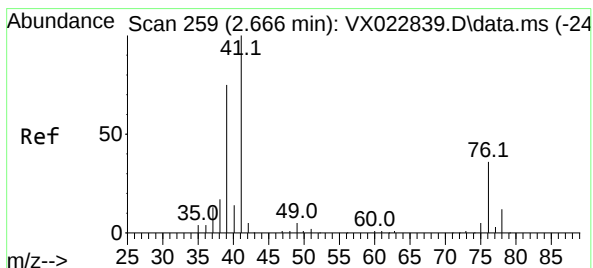
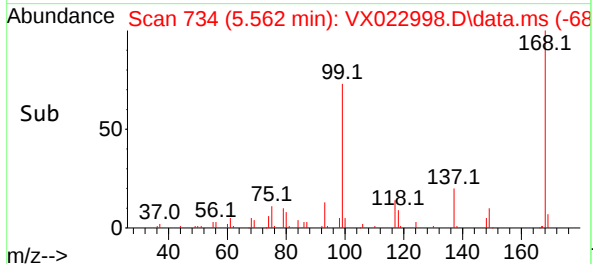
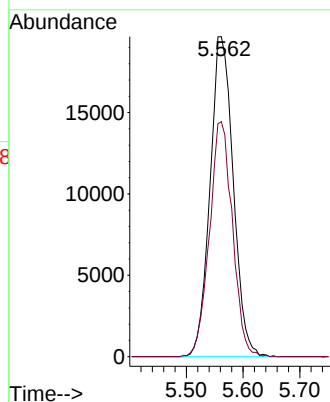
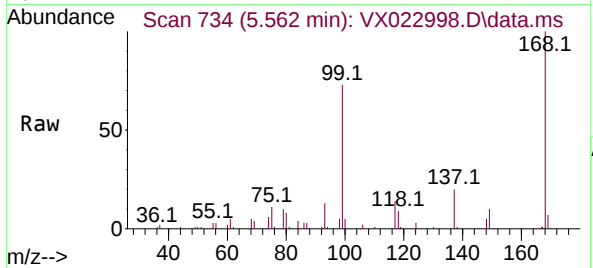




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX022998.D
Acq: 29 Jun 2021 13:10

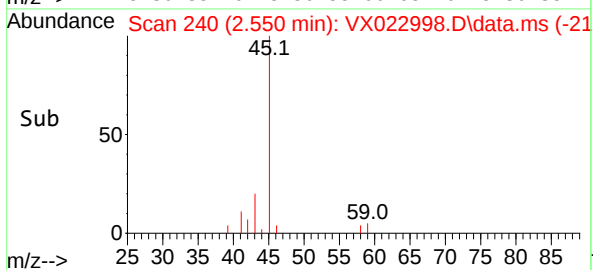
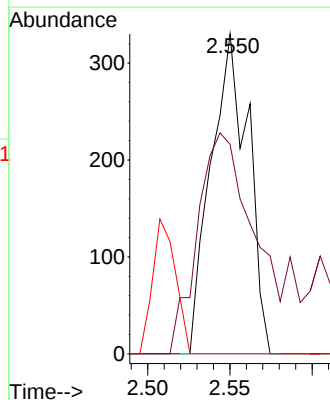
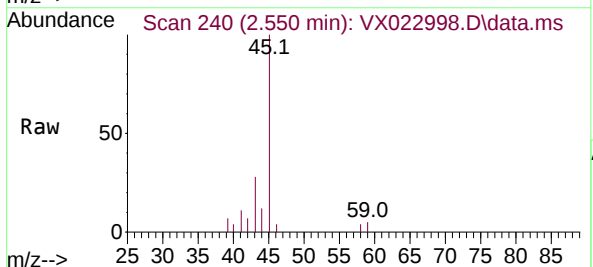
Instrument :
MSVOA_X
ClientSampled :

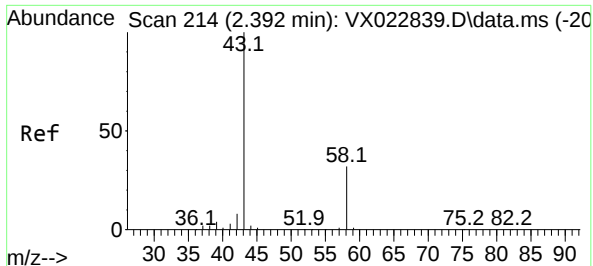
Tgt Ion:168 Resp: 55790
Ion Ratio Lower Upper
168 100
99 73.4 45.8 68.6#



#14
Allyl chloride
Concen: 0.377 ug/l
RT: 2.550 min Scan# 240
Delta R.T. -0.116 min
Lab File: VX022998.D
Acq: 29 Jun 2021 13:10

Tgt Ion: 41 Resp: 519
Ion Ratio Lower Upper
41 100
39 114.8 51.6 77.4#
76 0.0 30.5 45.7#

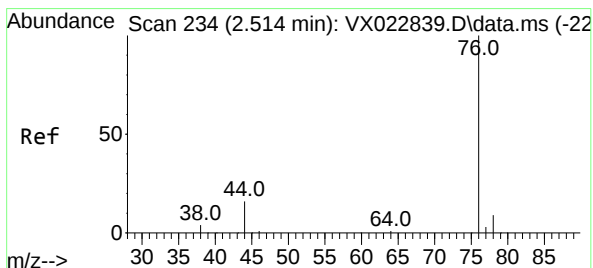
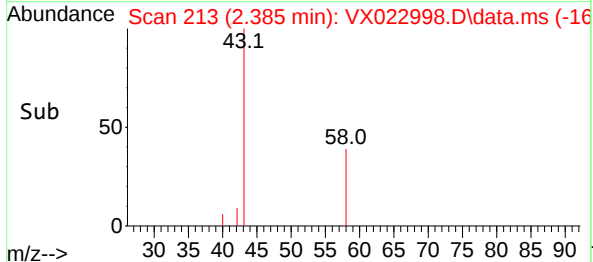
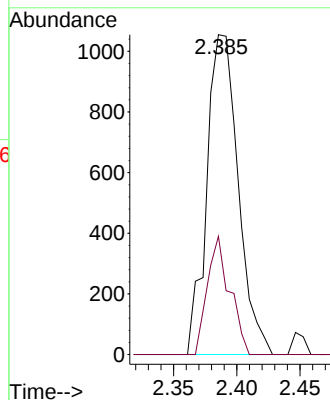
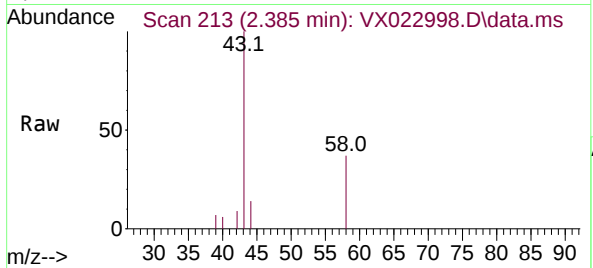




#16
Acetone
Concen: 4.068 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX022998.D
Acq: 29 Jun 2021 13:10

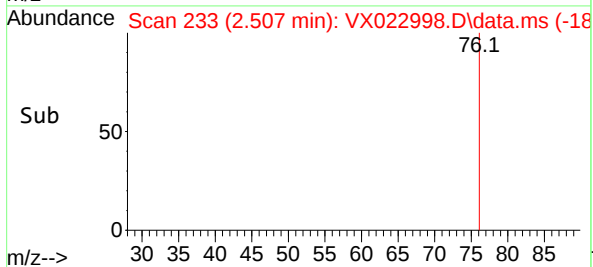
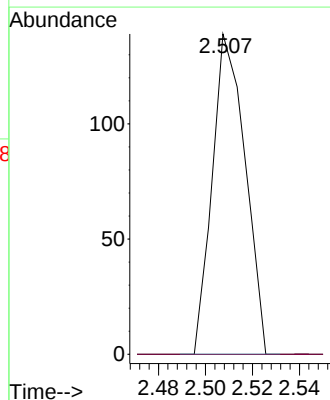
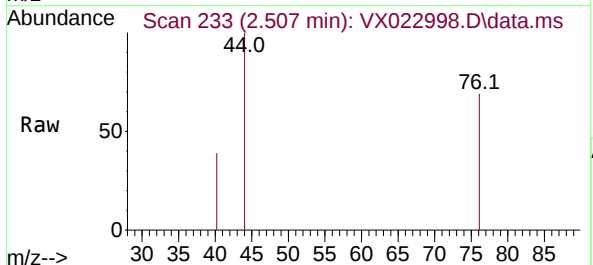
Instrument :
MSVOA_X
ClientSampled :

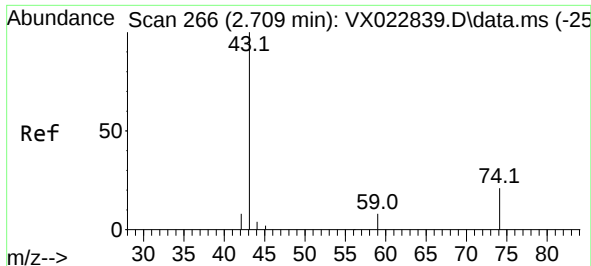
Tgt Ion: 43 Resp: 1826
Ion Ratio Lower Upper
43 100
58 37.0 27.8 41.8



#17
Carbon Disulfide
Concen: 3.579 ug/l
RT: 2.507 min Scan# 233
Delta R.T. -0.007 min
Lab File: VX022998.D
Acq: 29 Jun 2021 13:10

Tgt Ion: 76 Resp: 135
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#18

Methyl Acetate

Concen: 1.470 ug/l

RT: 2.544 min Scan# 239

Delta R.T. -0.165 min

Lab File: VX022998.D

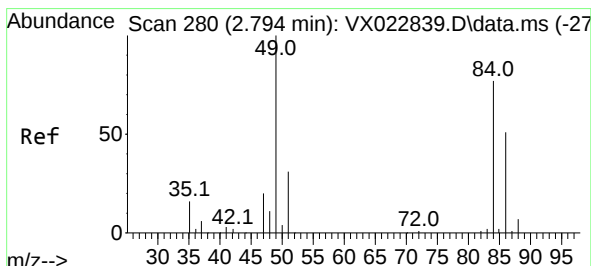
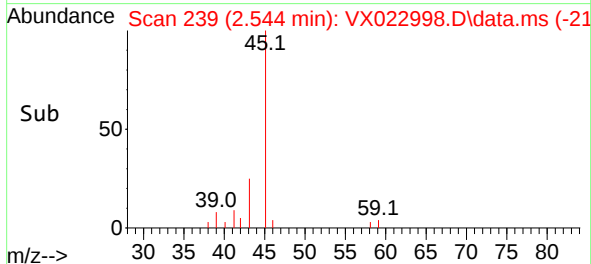
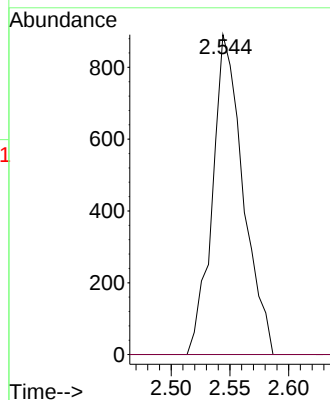
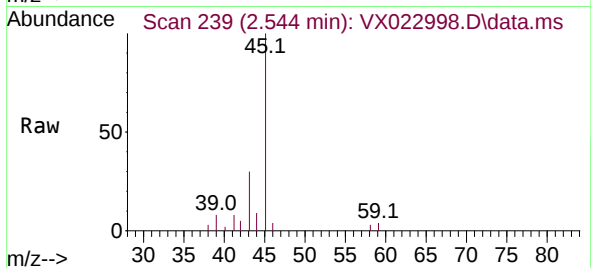
Acq: 29 Jun 2021 13:10

Tgt Ion: 43 Resp: 1624

Ion Ratio Lower Upper

43 100

74 0.0 21.9 32.9#



#20

Methylene Chloride

Concen: 0.648 ug/l

RT: 2.794 min Scan# 280

Delta R.T. -0.000 min

Lab File: VX022998.D

Acq: 29 Jun 2021 13:10

Tgt Ion: 84 Resp: 247

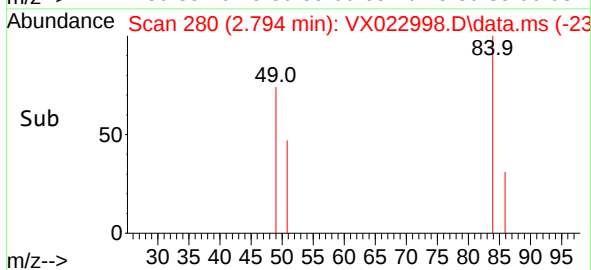
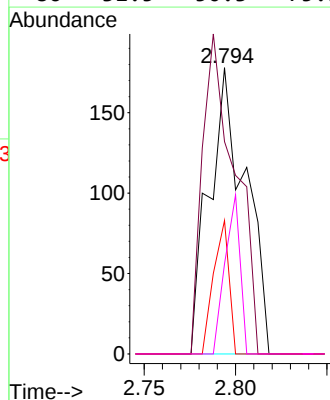
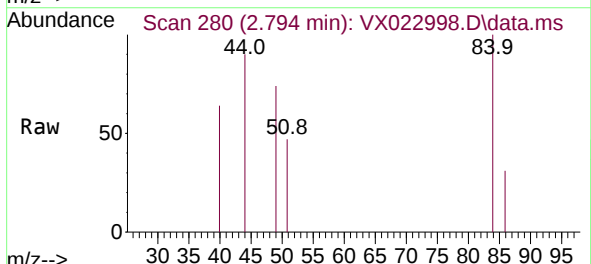
Ion Ratio Lower Upper

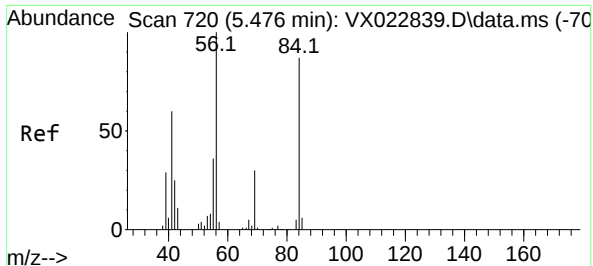
84 100

49 74.2 88.6 132.8#

51 46.6 27.0 40.6#

86 31.5 50.3 75.5#

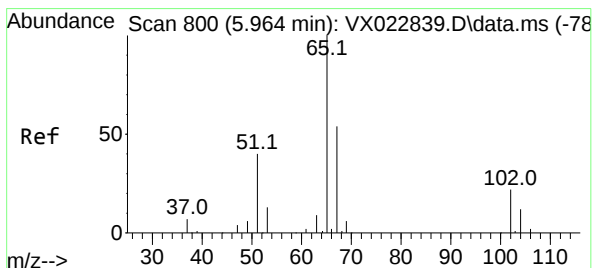
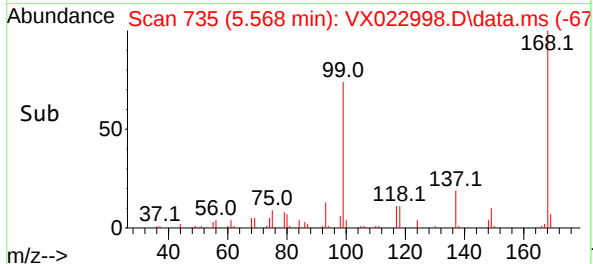
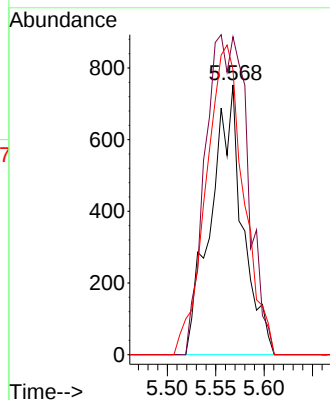
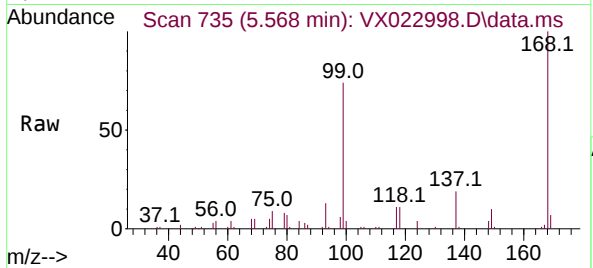




#31
Cyclohexane
Concen: 1.199 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.092 min
Lab File: VX022998.D
Acq: 29 Jun 2021 13:10

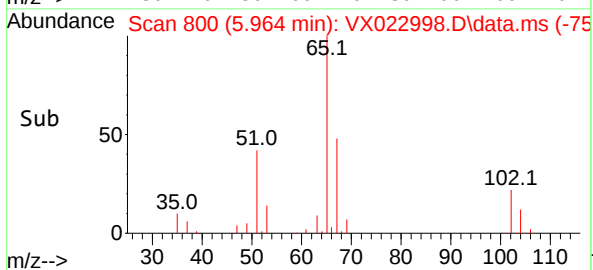
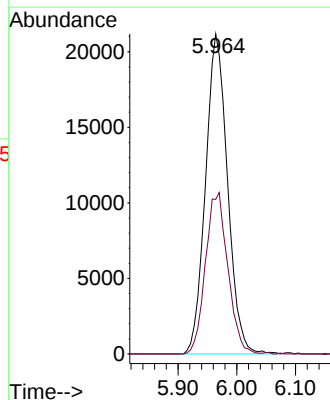
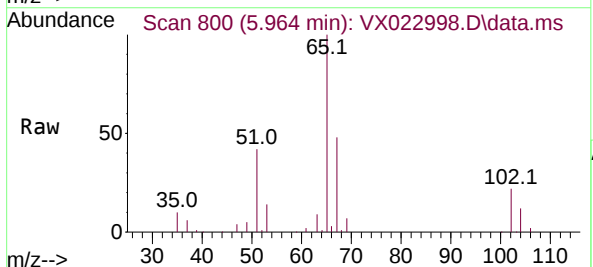
Instrument :
MSVOA_X
ClientSampled :

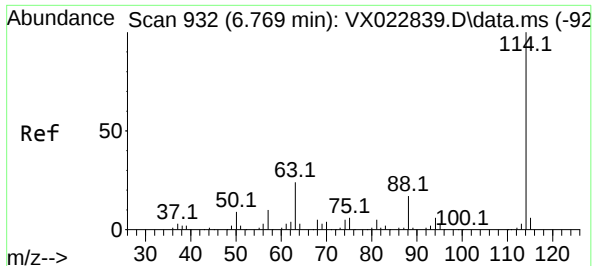
Tgt Ion: 56 Resp: 1714
Ion Ratio Lower Upper
56 100
69 117.8 25.3 37.9#
84 105.6 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 54.495 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022998.D
Acq: 29 Jun 2021 13:10

Tgt Ion: 65 Resp: 55175
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.4

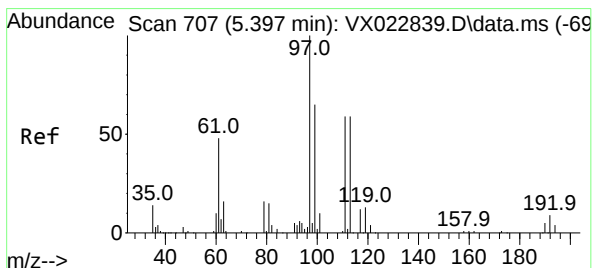
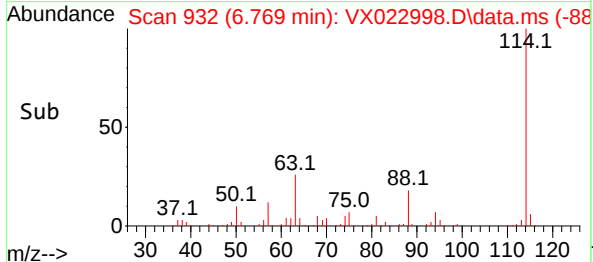
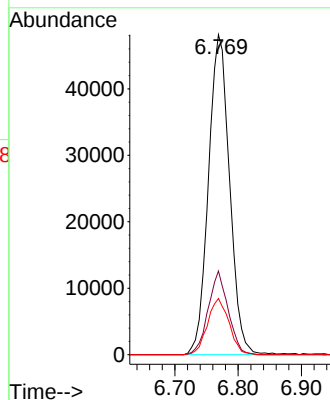
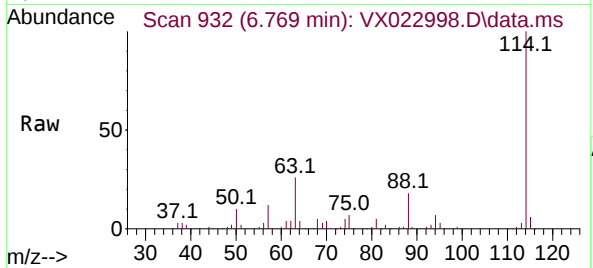




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX022998.D
Acq: 29 Jun 2021 13:10

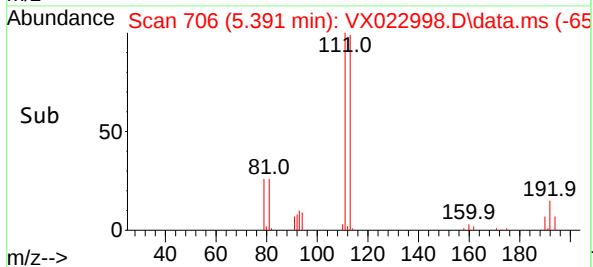
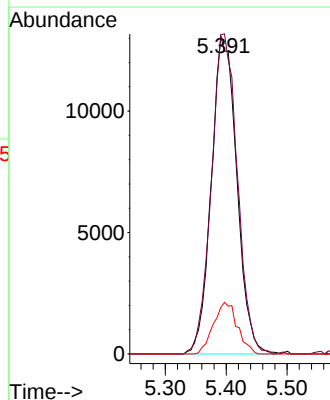
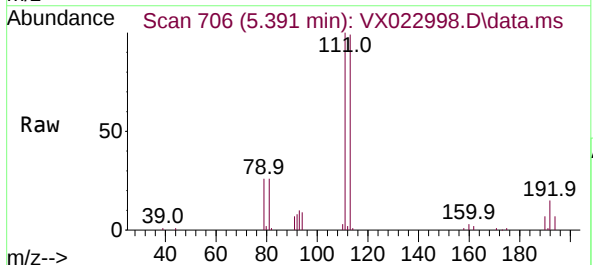
Instrument :
MSVOA_X
ClientSampled :

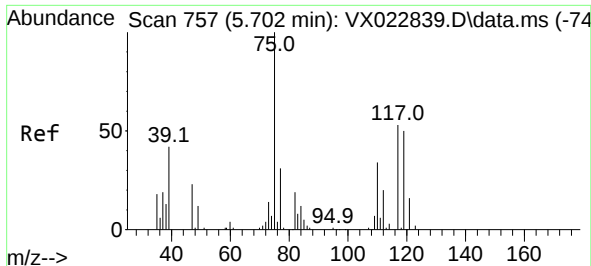
Tgt Ion:114 Resp: 111948
Ion Ratio Lower Upper
114 100
63 26.2 0.0 40.8
88 17.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 53.404 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX022998.D
Acq: 29 Jun 2021 13:10

Tgt Ion:113 Resp: 37965
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 15.3 16.7 25.1#

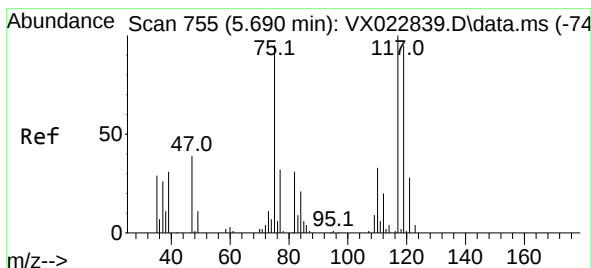
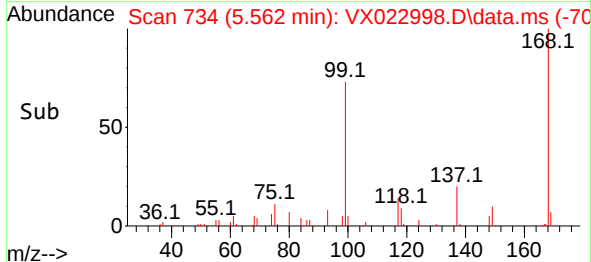
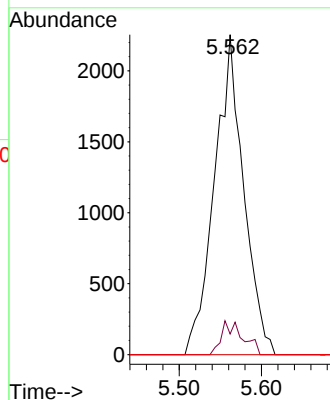
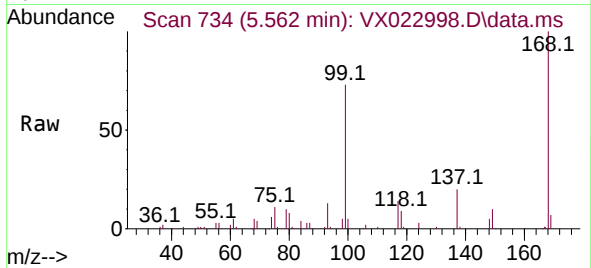




#36
1,1-Dichloropropene
Concen: 4.671 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX022998.D
Acq: 29 Jun 2021 13:10

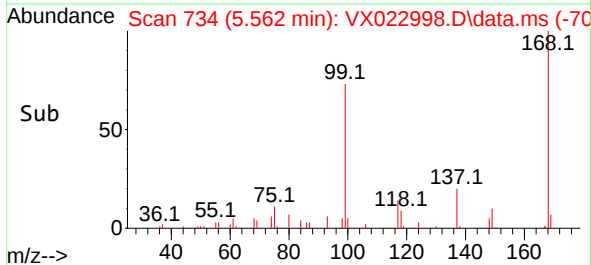
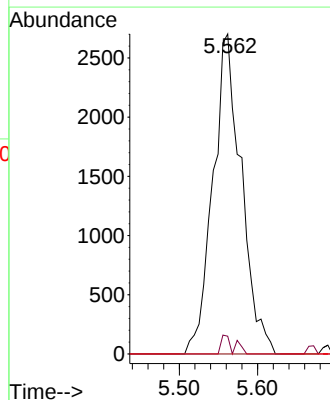
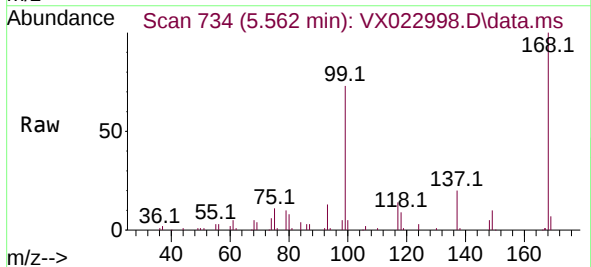
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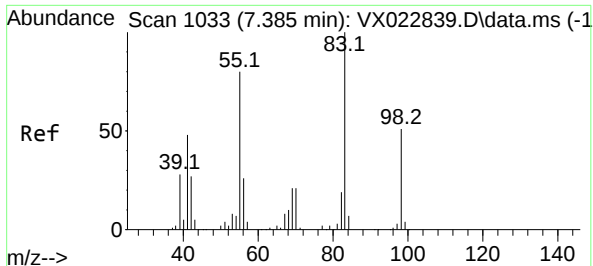
Tgt Ion: 75 Resp: 5554
Ion Ratio Lower Upper
75 100
110 7.7 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.835 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX022998.D
Acq: 29 Jun 2021 13:10

Tgt Ion: 117 Resp: 6817
Ion Ratio Lower Upper
117 100
119 5.5 76.2 114.2#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 0.309 ug/l

RT: 7.128 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX022998.D

Acq: 29 Jun 2021 13:10

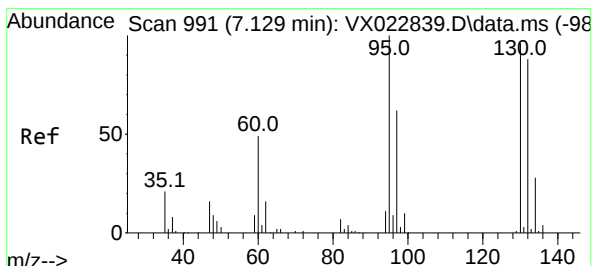
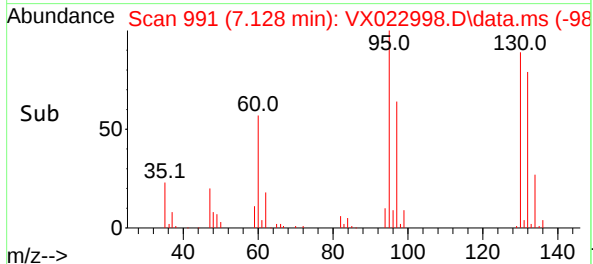
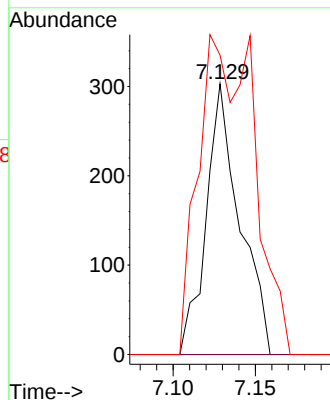
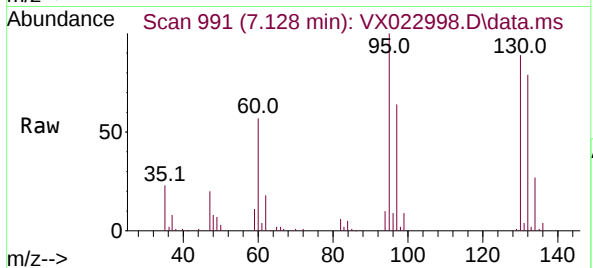
Tgt Ion: 83 Resp: 429

Ion Ratio Lower Upper

83 100

55 0.0 58.9 88.3#

98 110.6 38.1 57.1#



#44

Trichloroethene

Concen: 36.776 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX022998.D

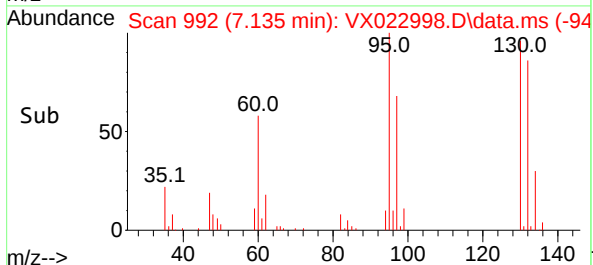
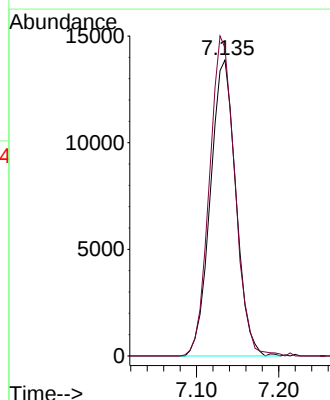
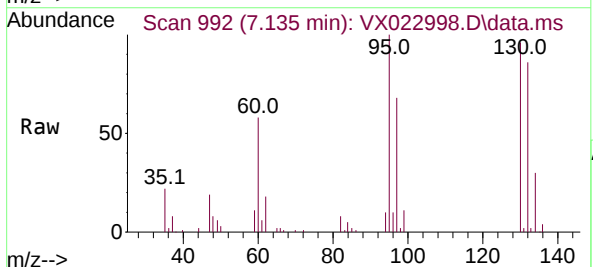
Acq: 29 Jun 2021 13:10

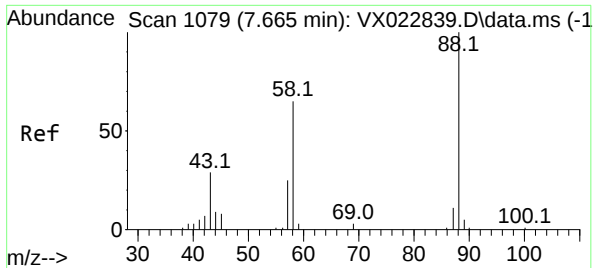
Tgt Ion:130 Resp: 29903

Ion Ratio Lower Upper

130 100

95 104.1 0.0 198.0

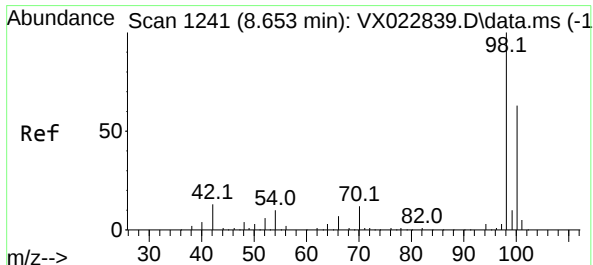
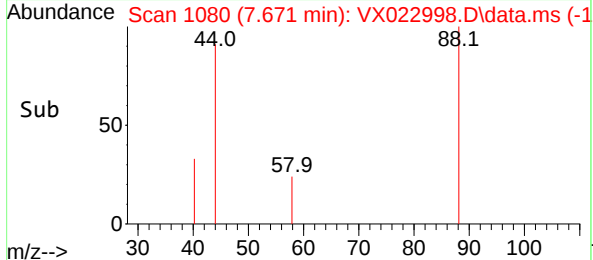
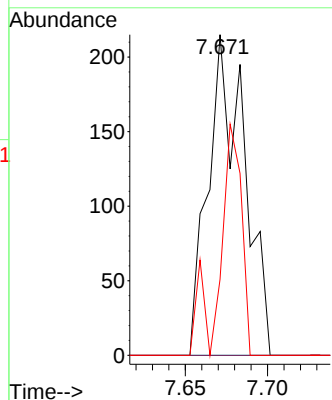
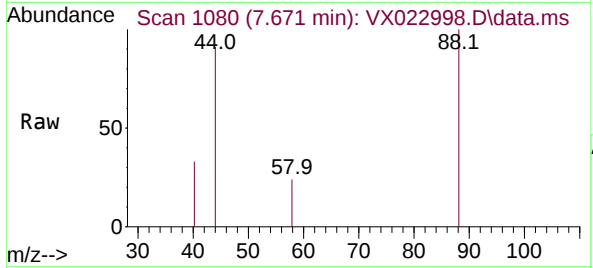




#49
1,4-Dioxane
Concen: 14.867 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.006 min
Lab File: VX022998.D
Acq: 29 Jun 2021 13:10

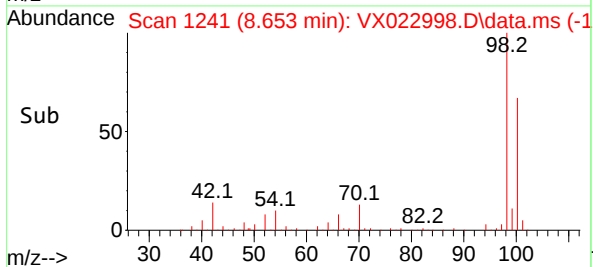
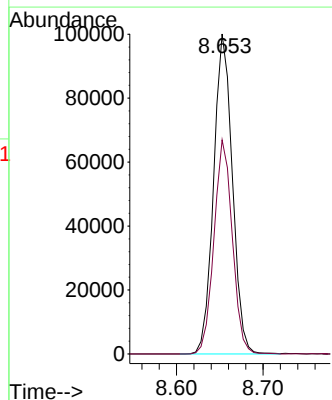
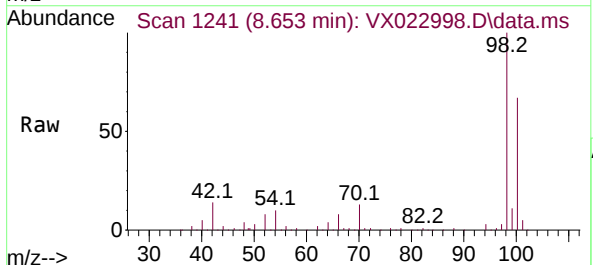
Instrument :
MSVOA_X
ClientSampled :

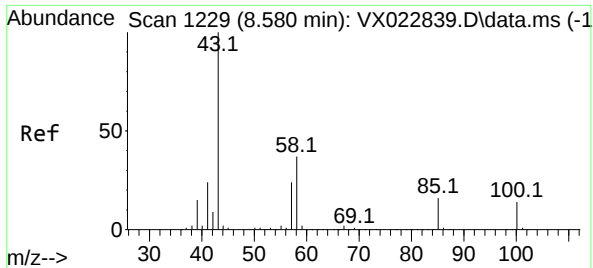
Tgt Ion: 88 Resp: 328
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 43.6 55.0 82.4#



#50
Toluene-d8
Concen: 54.053 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022998.D
Acq: 29 Jun 2021 13:10

Tgt Ion: 98 Resp: 150598
Ion Ratio Lower Upper
98 100
100 65.4 51.9 77.9

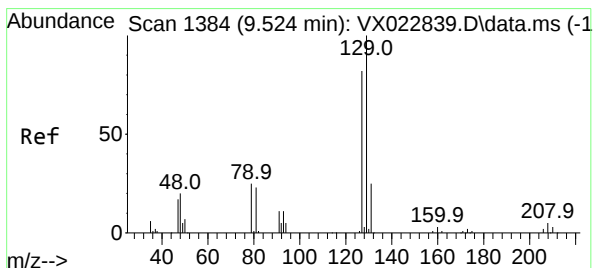
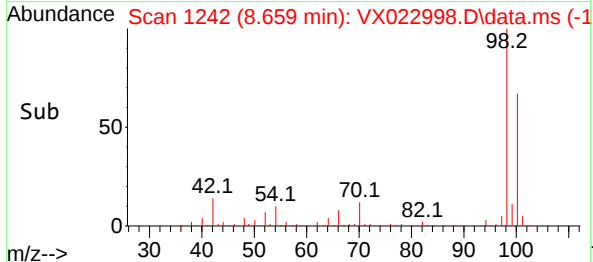
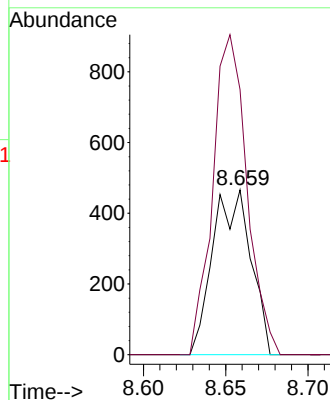
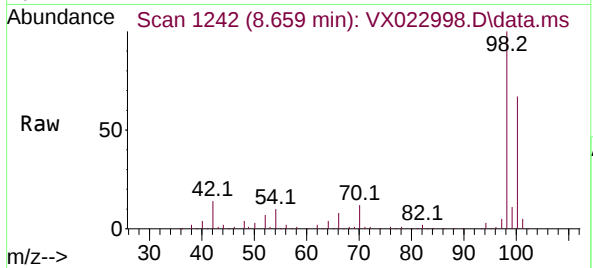




#51
4-Methyl-2-Pentanone
Concen: 0.545 ug/l
RT: 8.659 min Scan# 1242
Delta R.T. 0.079 min
Lab File: VX022998.D
Acq: 29 Jun 2021 13:10

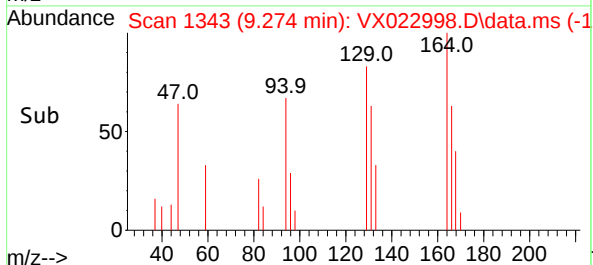
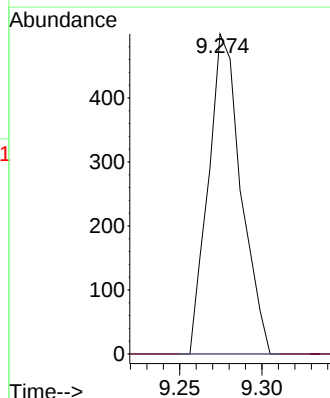
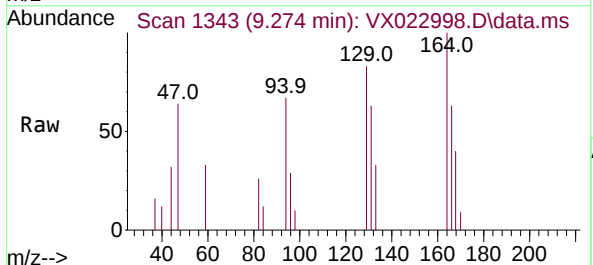
Instrument :
MSVOA_X
ClientSampled :

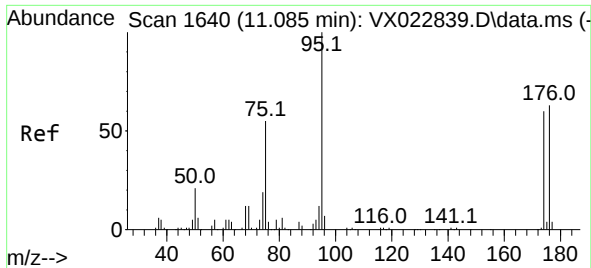
Tgt Ion: 43 Resp: 751
Ion Ratio Lower Upper
43 100
58 174.3 35.4 53.0#



#60
Dibromochloromethane
Concen: 4.435 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX022998.D
Acq: 29 Jun 2021 13:10

Tgt Ion: 129 Resp: 690
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

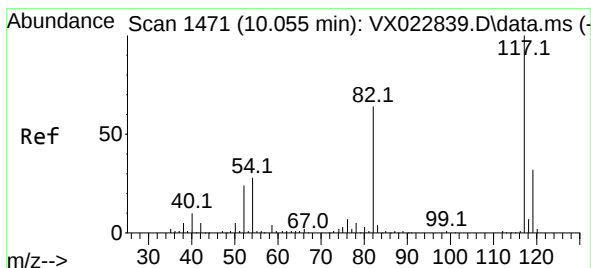
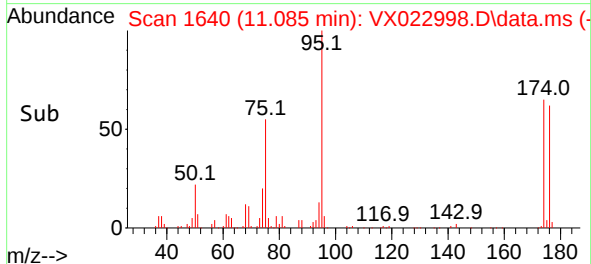
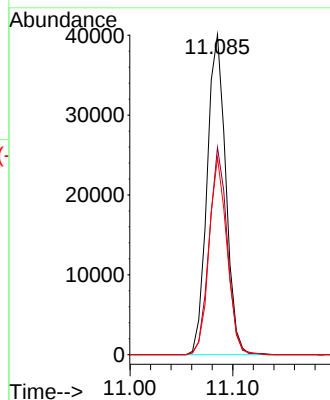
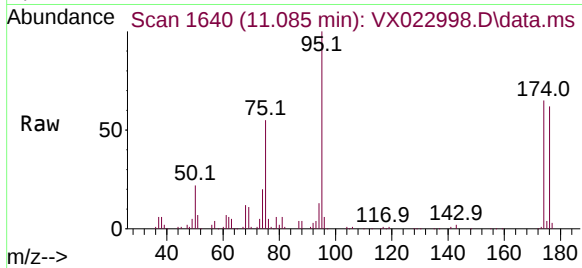




#62
4-Bromofluorobenzene
Concen: 48.774 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022998.D
Acq: 29 Jun 2021 13:10

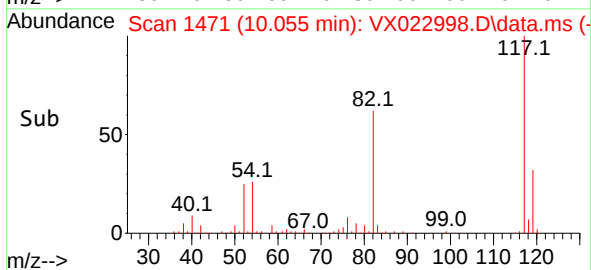
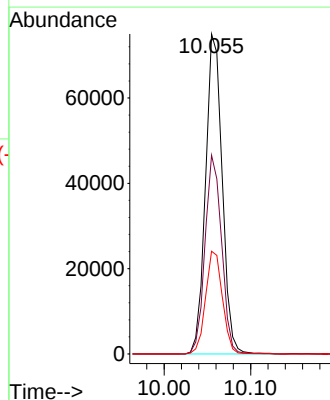
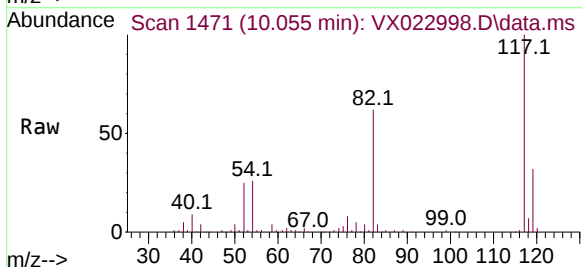
Instrument :
MSVOA_X
ClientSampled :

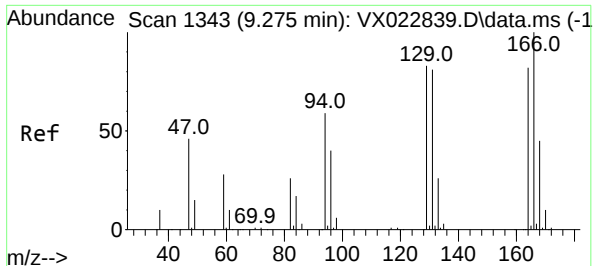
Tgt Ion: 95 Resp: 50716
Ion Ratio Lower Upper
95 100
174 62.5 0.0 154.6
176 59.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX022998.D
Acq: 29 Jun 2021 13:10

Tgt Ion: 117 Resp: 100223
Ion Ratio Lower Upper
117 100
82 62.1 47.4 71.2
119 32.1 26.6 39.8



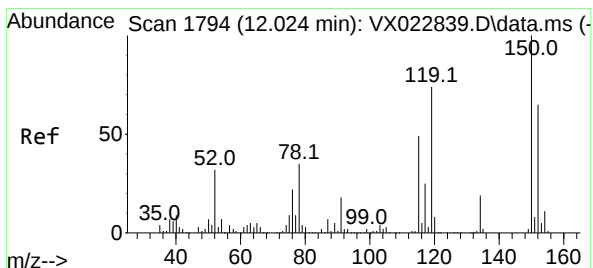
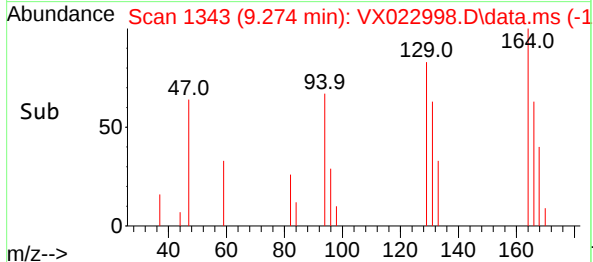
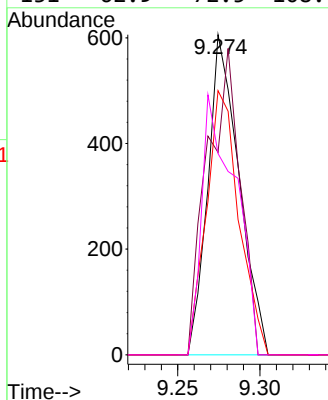
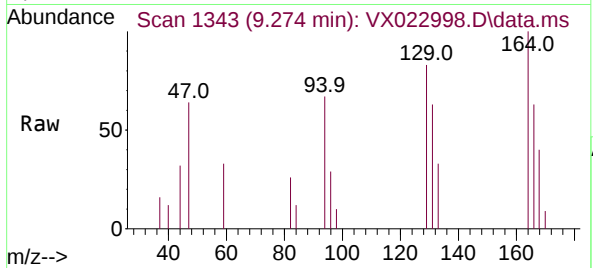


#64
Tetrachloroethene
Concen: 1.134 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.001 min
Lab File: VX022998.D
Acq: 29 Jun 2021 13:10

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:164 Resp: 799

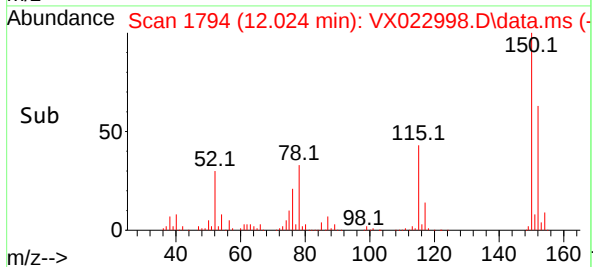
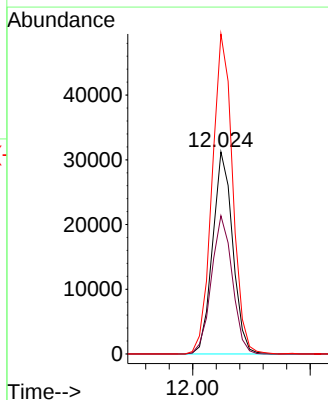
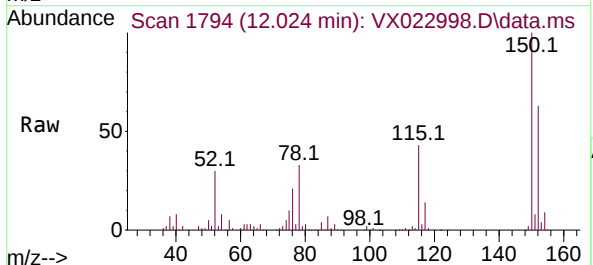
Ion	Ratio	Lower	Upper
164	100		
166	63.2	103.4	155.2#
129	82.5	70.8	106.2
131	62.9	72.5	108.7#

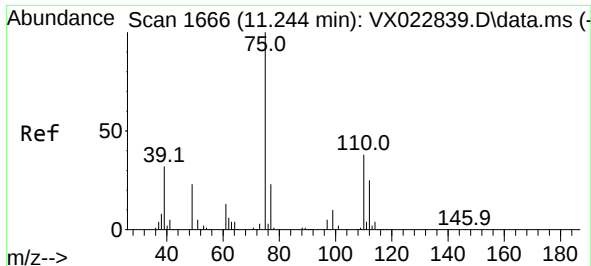


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX022998.D
Acq: 29 Jun 2021 13:10

Tgt Ion:152 Resp: 37052

Ion	Ratio	Lower	Upper
152	100		
115	70.8	41.1	123.3
150	161.6	0.0	349.0

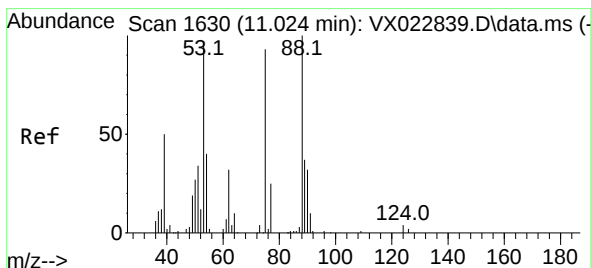
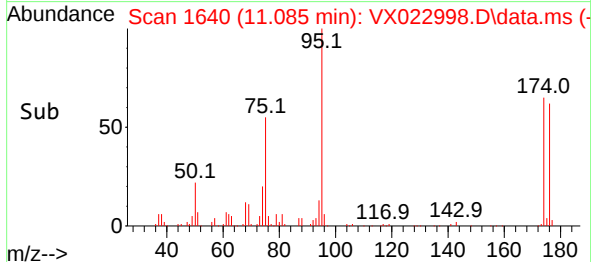
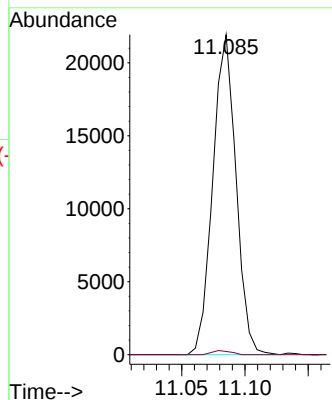
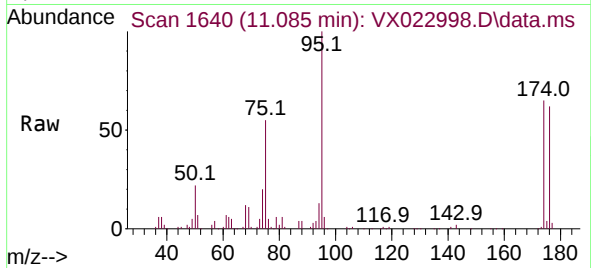




#76
1,2,3-Trichloropropane
Concen: 28.506 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022998.D
Acq: 29 Jun 2021 13:10

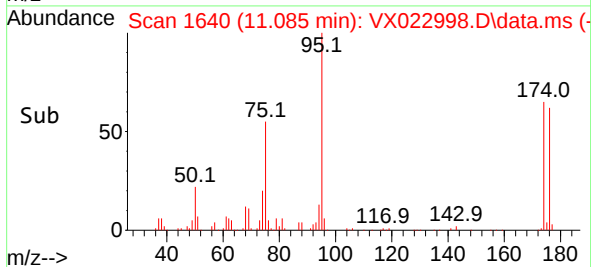
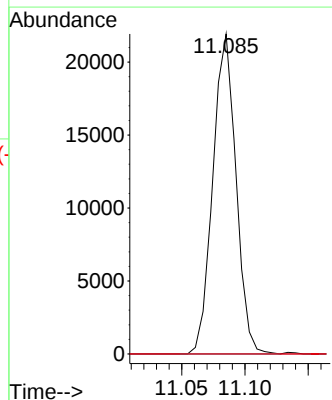
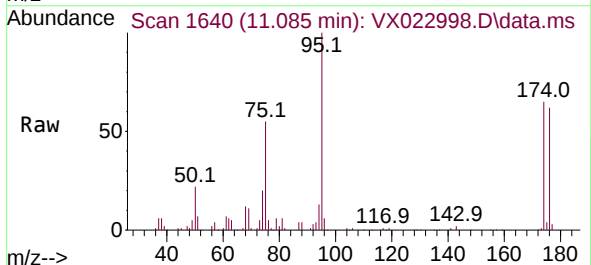
Instrument :
MSVOA_X
ClientSampled :

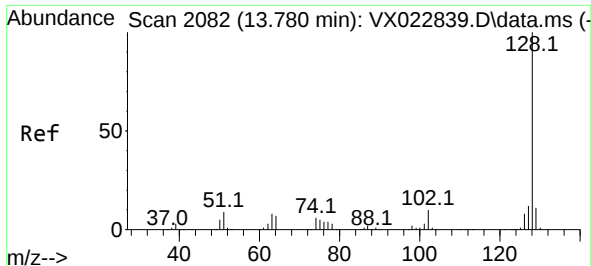
Tgt Ion: 75 Resp: 27898
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.479 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022998.D
Acq: 29 Jun 2021 13:10

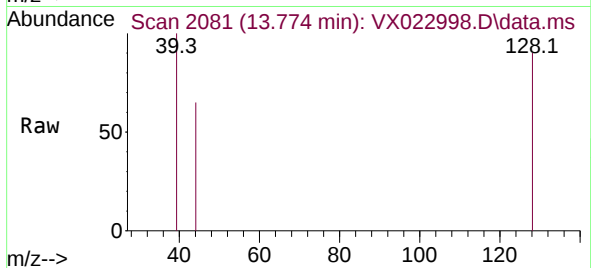
Tgt Ion: 75 Resp: 27898
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.949 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX022998.D
Acq: 29 Jun 2021 13:10

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 82
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 26.8 8.8 13.2#

