

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062921\
 Data File : VX023012.D
 Acq On : 29 Jun 2021 18:40
 Operator : JC/MD
 Sample : M2889-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 30 01:45:46 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	59155	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	119769	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	106096	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	39961	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	55048	51.277	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.560%
35) Dibromofluoromethane	5.397	113	37553	49.375	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.760%
50) Toluene-d8	8.653	98	148364	49.773	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.540%
62) 4-Bromofluorobenzene	11.085	95	53036	47.675	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.340%

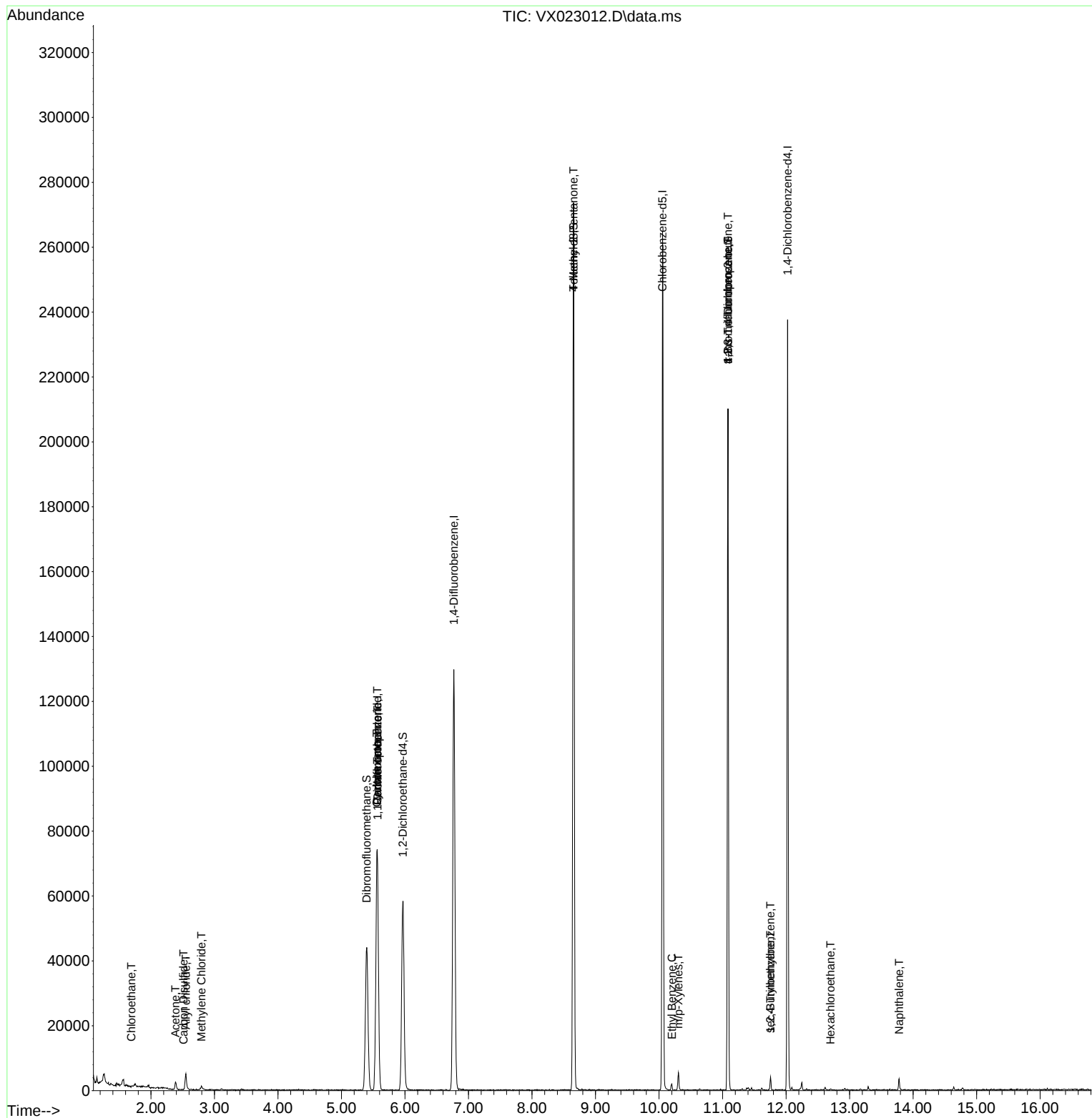
Target Compounds						Qvalue
6) Chloroethane	1.691	64	186	0.356	ug/l	# 43
14) Allyl chloride	2.550	41	398	0.273	ug/l	# 13
16) Acetone	2.386	43	2395	5.032	ug/l	# 86
17) Carbon Disulfide	2.514	76	61	3.543	ug/l	# 75
20) Methylene Chloride	2.794	84	531	0.931	ug/l	# 88
31) Cyclohexane	5.556	56	1893	1.249	ug/l	# 1
36) 1,1-Dichloropropene	5.568	75	6215	4.885	ug/l	# 43
38) Carbon Tetrachloride	5.562	117	7173	6.723	ug/l	# 17
51) 4-Methyl-2-Pentanone	8.653	43	745	0.505	ug/l	# 1
67) Ethyl Benzene	10.201	91	1209	0.294	ug/l	91
68) m/p-Xylenes	10.305	106	1050	0.687	ug/l	74
76) 1,2,3-Trichloropropane	11.085	75	31239	29.596	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.085	75	31239	76.041	ug/l	# 12
84) 1,2,4-Trimethylbenzene	11.756	105	1821	0.652	ug/l	# 98
85) sec-Butylbenzene	11.756	105	1821	0.515	ug/l	# 57
90) Hexachloroethane	12.701	117	332	4.302	ug/l	# 9
95) Naphthalene	13.780	128	2474	2.653	ug/l	# 95

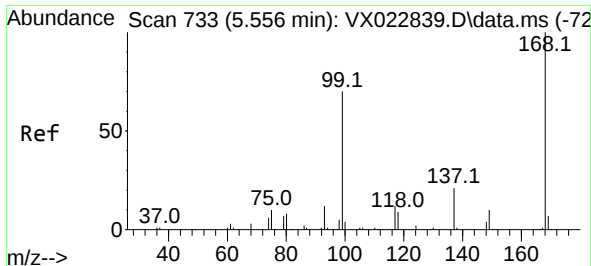
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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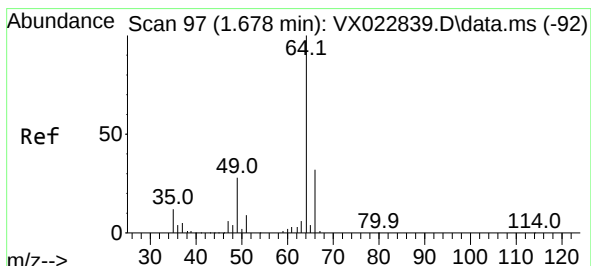
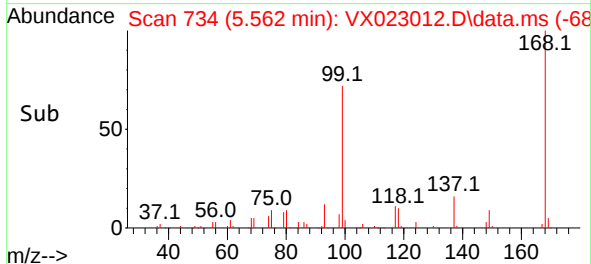
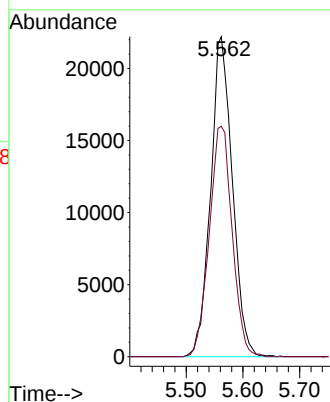
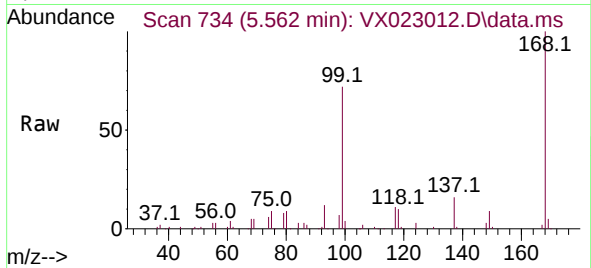




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX023012.D
Acq: 29 Jun 2021 18:40

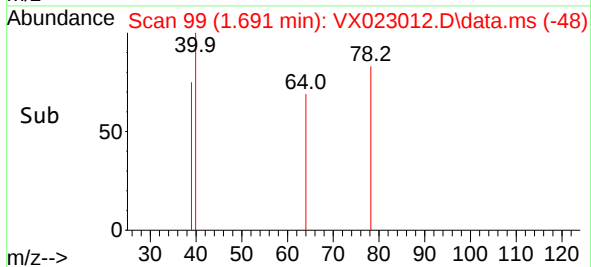
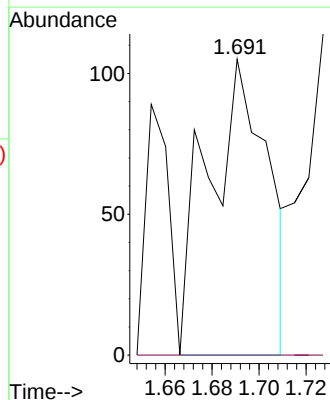
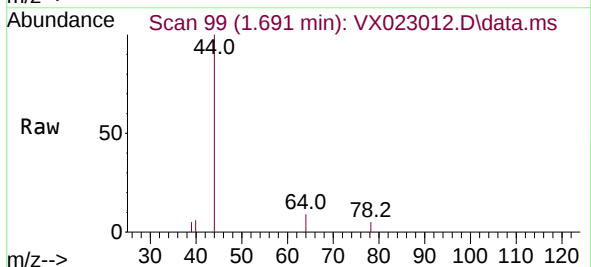
Instrument :
MSVOA_X
ClientSampleId :

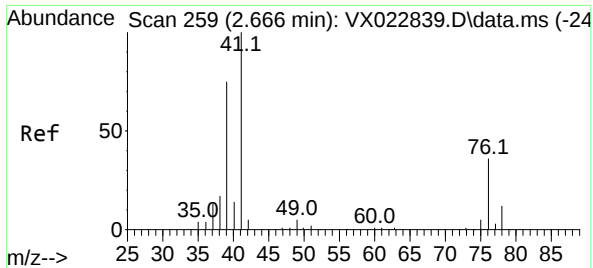
Tgt Ion:168 Resp: 59155
Ion Ratio Lower Upper
168 100
99 72.0 45.8 68.6#



#6
Chloroethane
Concen: 0.356 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.013 min
Lab File: VX023012.D
Acq: 29 Jun 2021 18:40

Tgt Ion: 64 Resp: 186
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

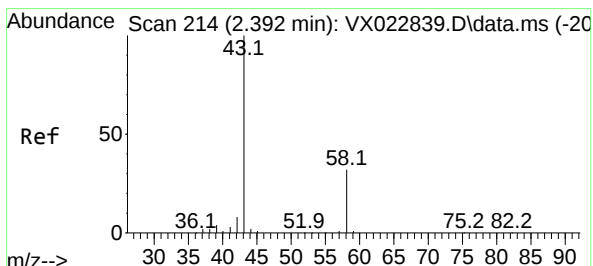
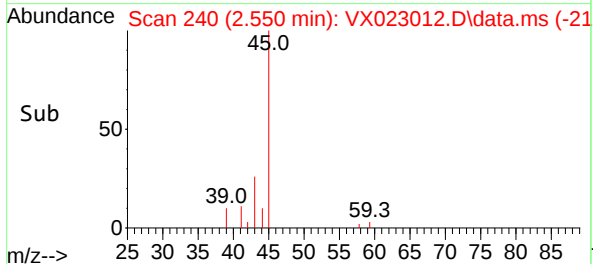
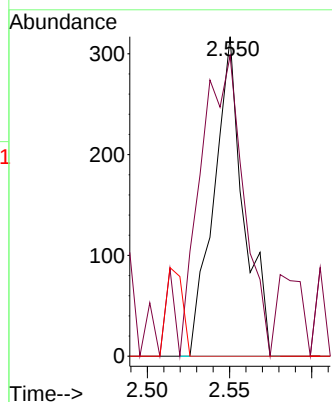
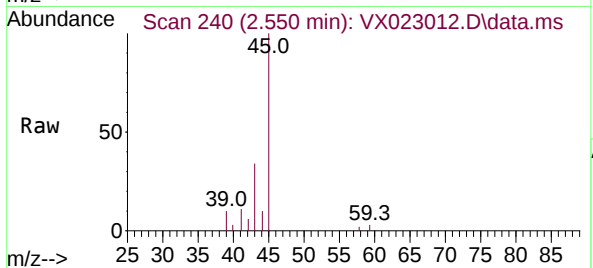




#14
 Allyl chloride
 Concen: 0.273 ug/l
 RT: 2.550 min Scan# 240
 Delta R.T. -0.116 min
 Lab File: VX023012.D
 Acq: 29 Jun 2021 18:40

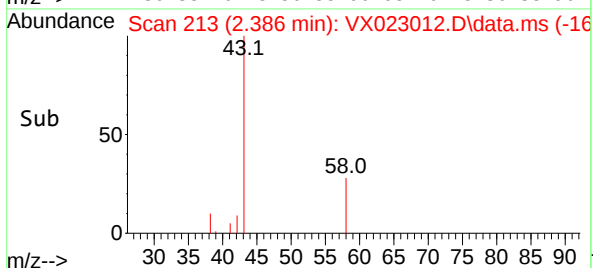
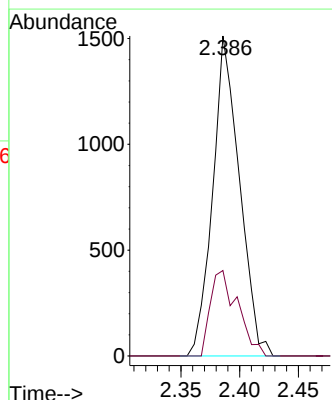
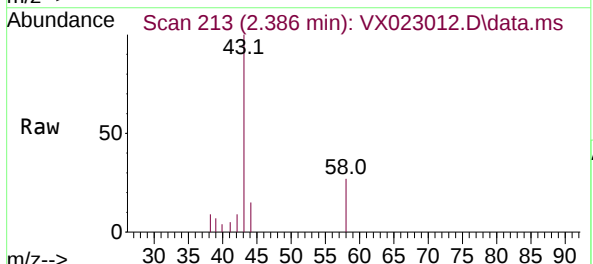
Instrument :
 MSVOA_X
 ClientSampleId :

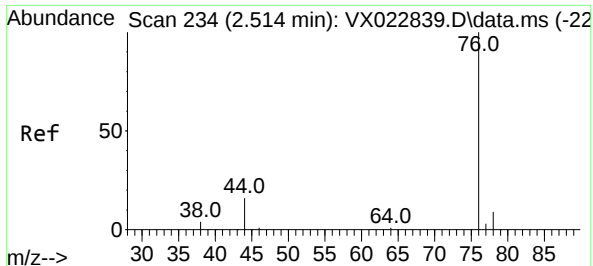
Tgt Ion:	41	Resp:	398
Ion	Ratio	Lower	Upper
41	100		
39	143.5	51.6	77.4#
76	0.0	30.5	45.7#



#16
 Acetone
 Concen: 5.032 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.006 min
 Lab File: VX023012.D
 Acq: 29 Jun 2021 18:40

Tgt Ion:	43	Resp:	2395
Ion	Ratio	Lower	Upper
43	100		
58	26.7	27.8	41.8#

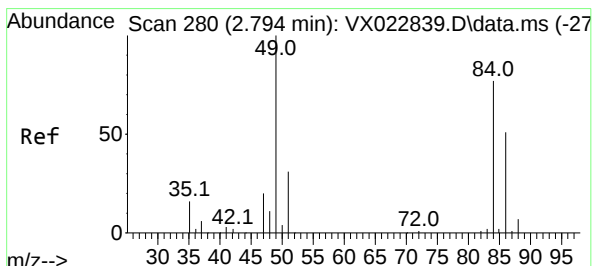
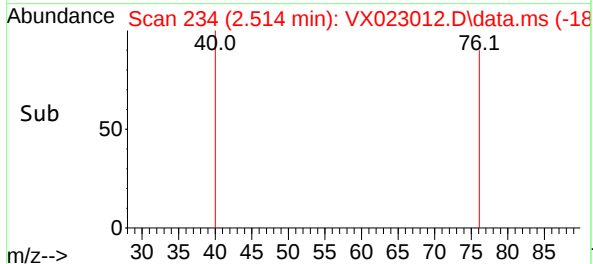
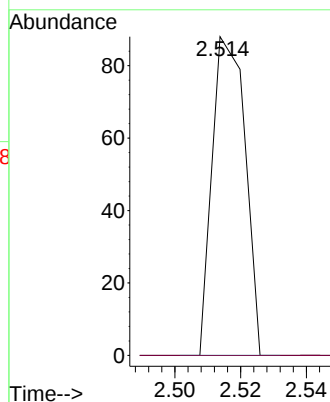
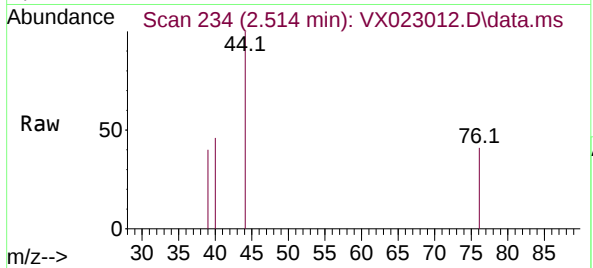




#17
Carbon Disulfide
Concen: 3.543 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023012.D
Acq: 29 Jun 2021 18:40

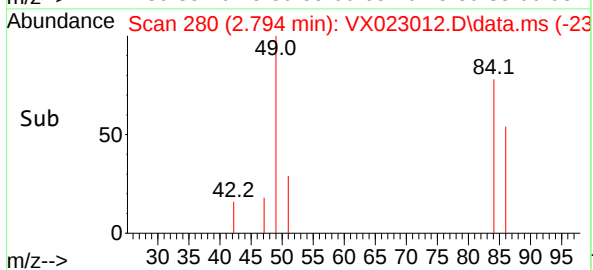
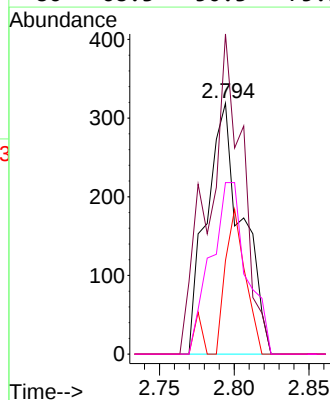
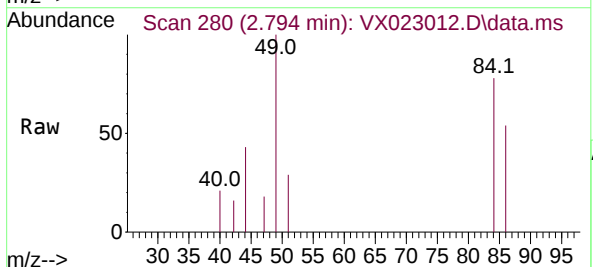
Instrument :
MSVOA_X
ClientSampled :

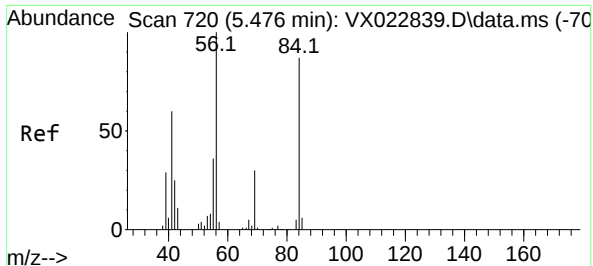
Tgt Ion: 76 Resp: 61
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.931 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023012.D
Acq: 29 Jun 2021 18:40

Tgt Ion: 84 Resp: 531
Ion Ratio Lower Upper
84 100
49 127.6 88.6 132.8
51 37.3 27.0 40.6
86 68.3 50.3 75.5

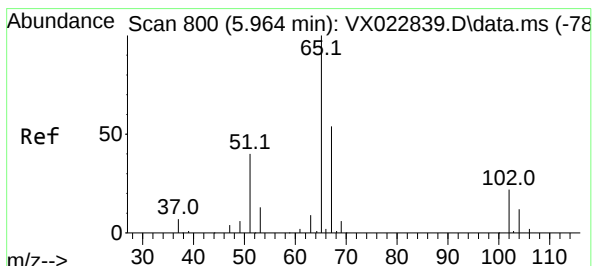
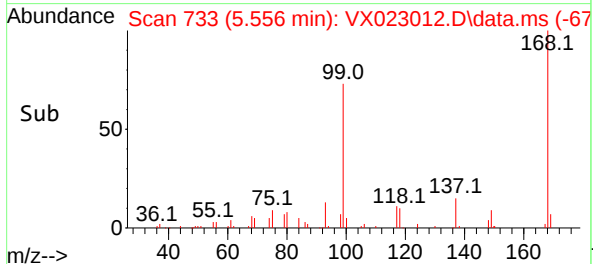
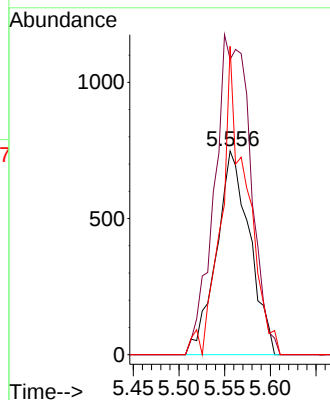
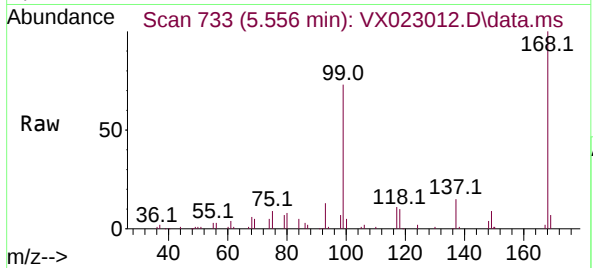




#31
Cyclohexane
Concen: 1.249 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.080 min
Lab File: VX023012.D
Acq: 29 Jun 2021 18:40

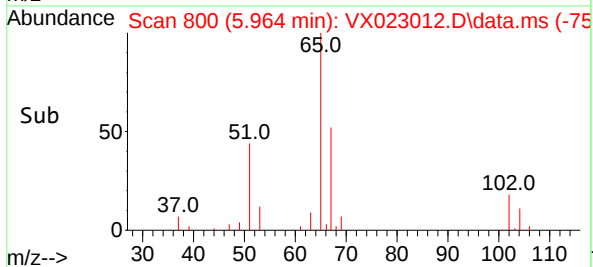
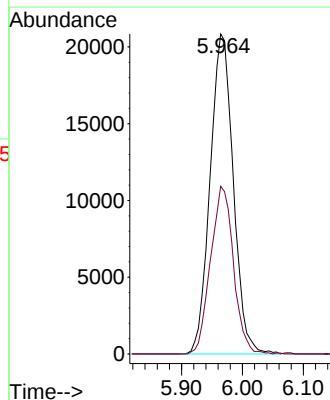
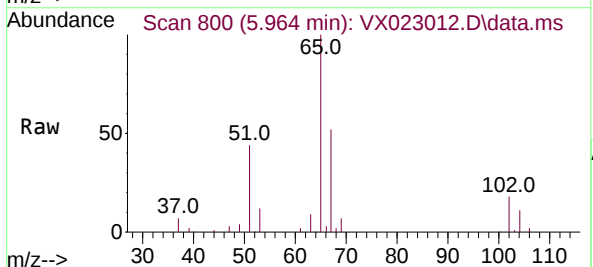
Instrument :
MSVOA_X
ClientSampleId :

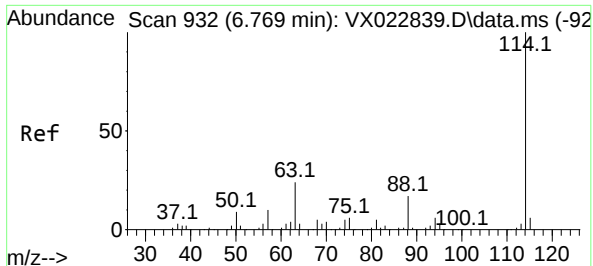
Tgt Ion: 56 Resp: 1893
Ion Ratio Lower Upper
56 100
69 144.9 25.3 37.9#
84 151.3 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.277 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023012.D
Acq: 29 Jun 2021 18:40

Tgt Ion: 65 Resp: 55048
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.4

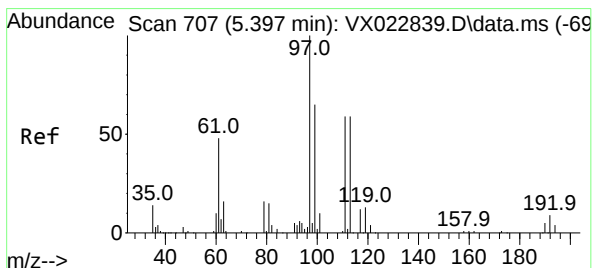
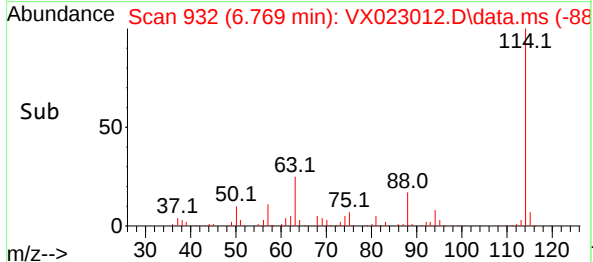
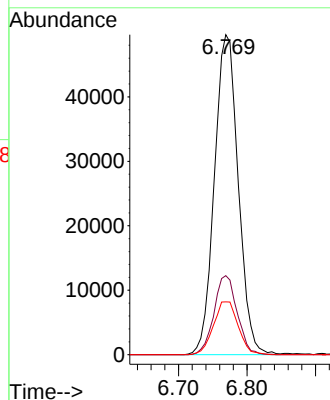
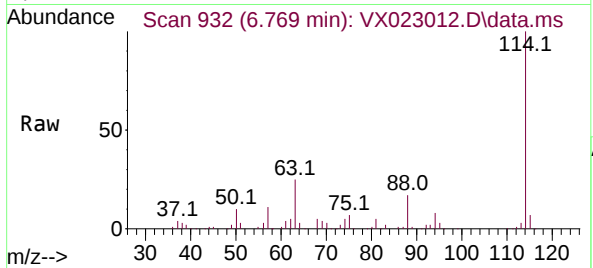




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023012.D
Acq: 29 Jun 2021 18:40

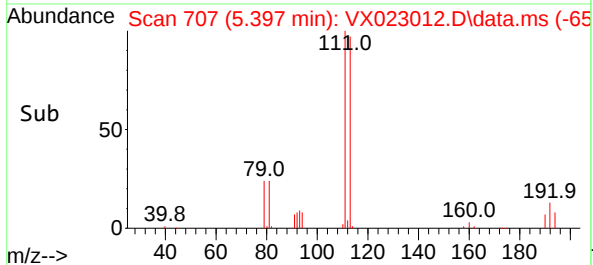
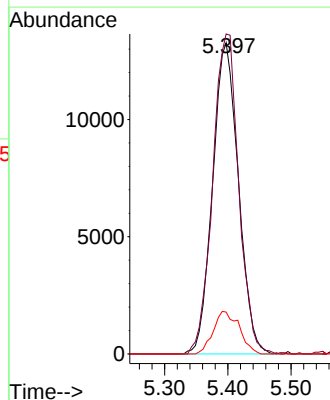
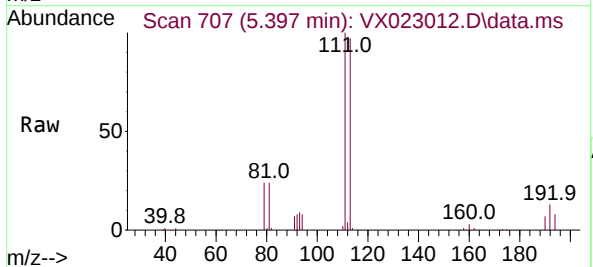
Instrument :
MSVOA_X
ClientSampleId :

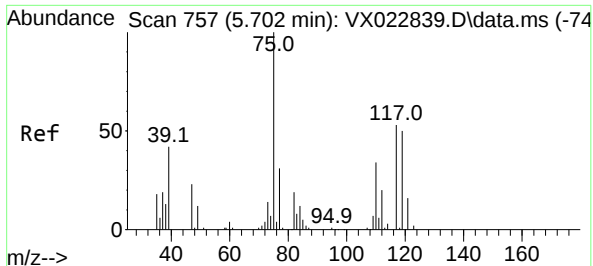
Tgt Ion:114 Resp: 119769
Ion Ratio Lower Upper
114 100
63 24.7 0.0 40.8
88 16.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.375 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023012.D
Acq: 29 Jun 2021 18:40

Tgt Ion:113 Resp: 37553
Ion Ratio Lower Upper
113 100
111 103.6 81.9 122.9
192 13.8 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 4.885 ug/l

RT: 5.568 min Scan# 735

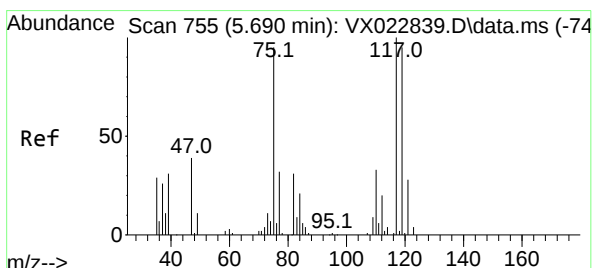
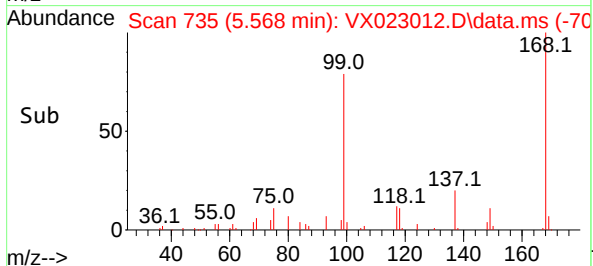
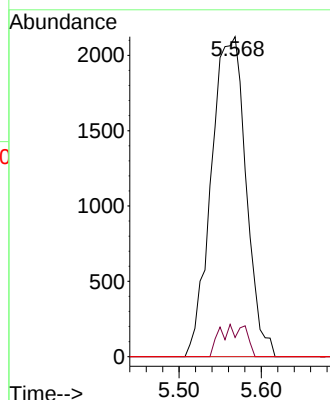
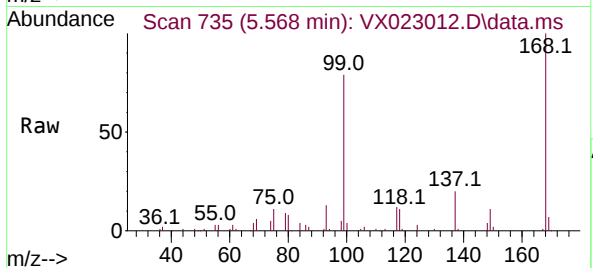
Delta R.T. -0.134 min

Lab File: VX023012.D

Acq: 29 Jun 2021 18:40

Tgt Ion: 75	Resp: 6215
Ion Ratio	Lower Upper
75 100	
110 2.5	18.1 54.4#
77 0.0	25.3 37.9#

Instrument :
MSVOA_X
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.723 ug/l

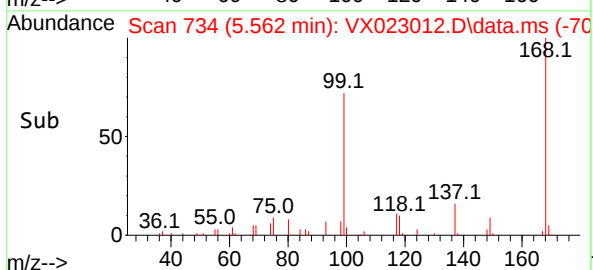
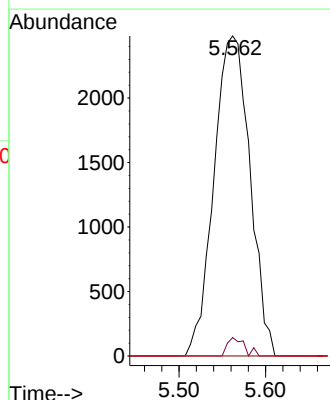
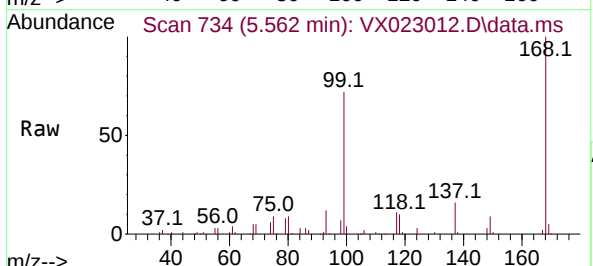
RT: 5.562 min Scan# 734

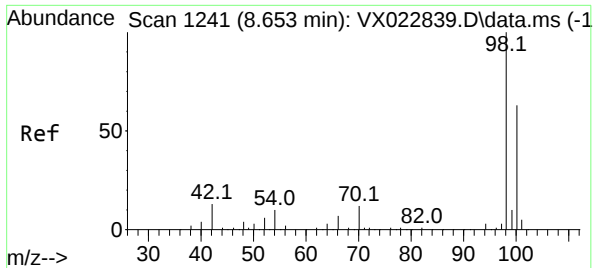
Delta R.T. -0.128 min

Lab File: VX023012.D

Acq: 29 Jun 2021 18:40

Tgt Ion: 117	Resp: 7173
Ion Ratio	Lower Upper
117 100	
119 5.8	76.2 114.2#
121 0.0	24.8 37.2#

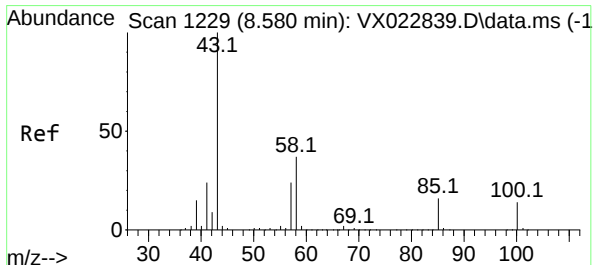
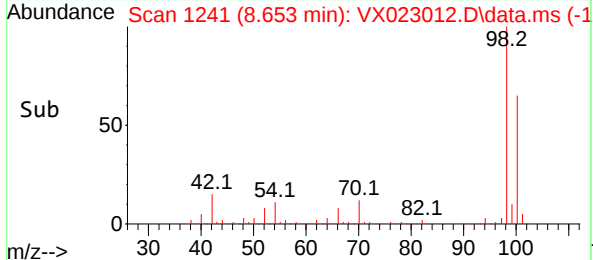
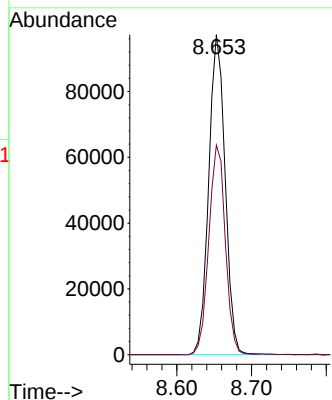
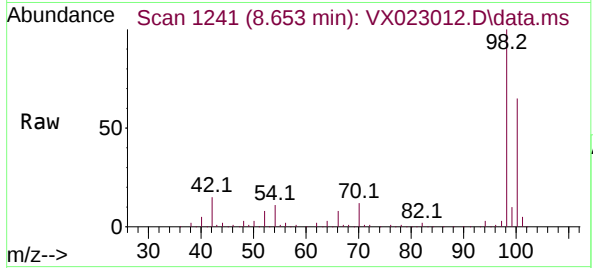




#50
Toluene-d8
Concen: 49.773 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023012.D
Acq: 29 Jun 2021 18:40

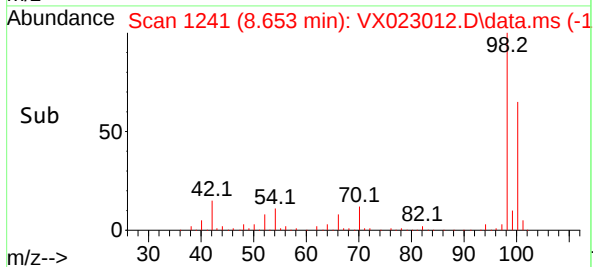
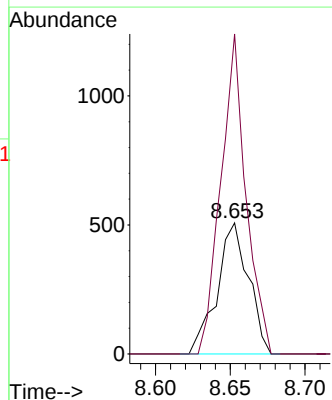
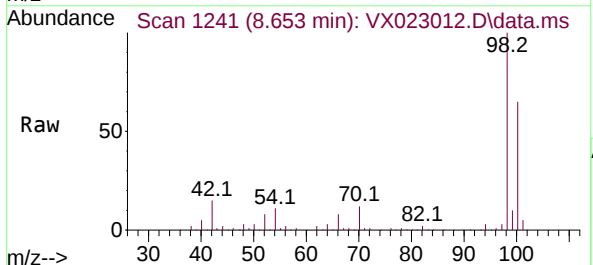
Instrument :
MSVOA_X
ClientSampled :

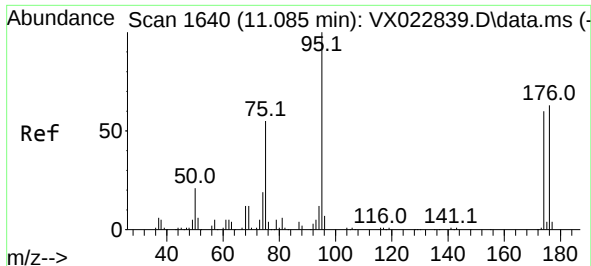
Tgt Ion: 98 Resp: 148364
Ion Ratio Lower Upper
98 100
100 65.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.505 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023012.D
Acq: 29 Jun 2021 18:40

Tgt Ion: 43 Resp: 745
Ion Ratio Lower Upper
43 100
58 194.9 35.4 53.0#

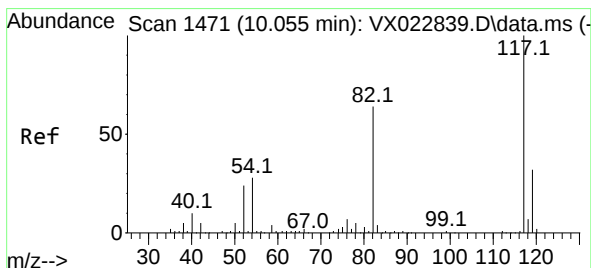
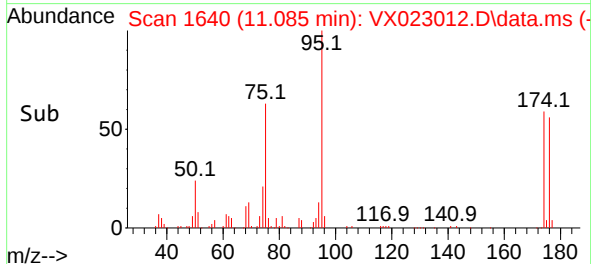
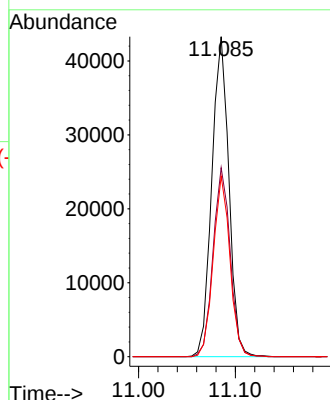
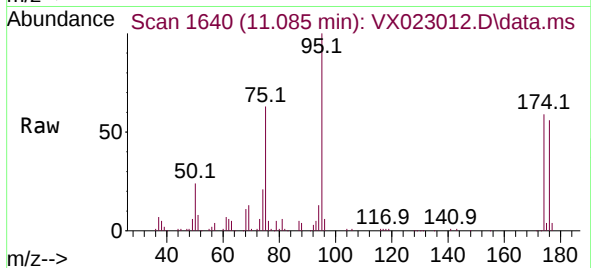




#62
4-Bromofluorobenzene
Concen: 47.675 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023012.D
Acq: 29 Jun 2021 18:40

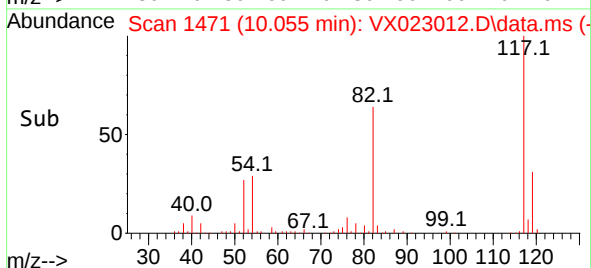
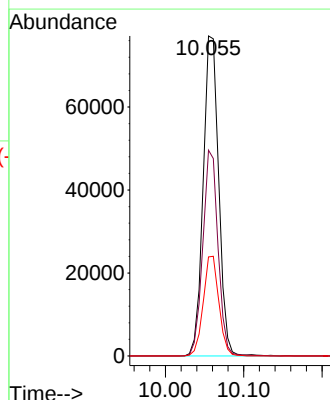
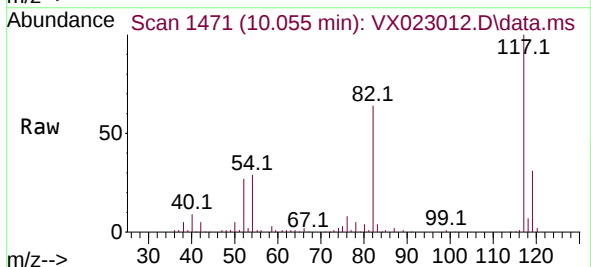
Instrument :
MSVOA_X
ClientSampleId :

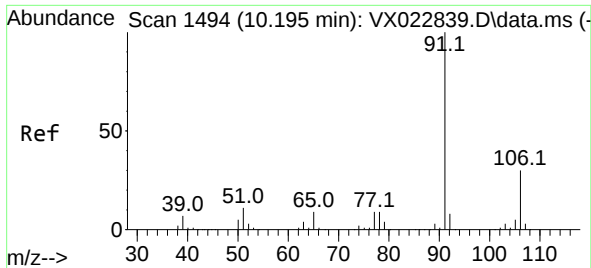
Tgt Ion: 95 Resp: 53036
Ion Ratio Lower Upper
95 100
174 59.3 0.0 154.6
176 55.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023012.D
Acq: 29 Jun 2021 18:40

Tgt Ion: 117 Resp: 106096
Ion Ratio Lower Upper
117 100
82 64.3 47.4 71.2
119 30.9 26.6 39.8

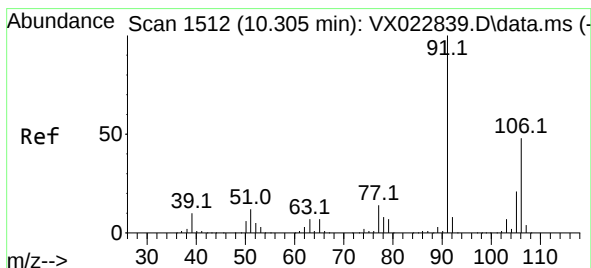
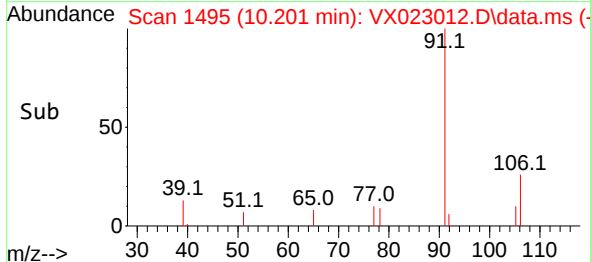
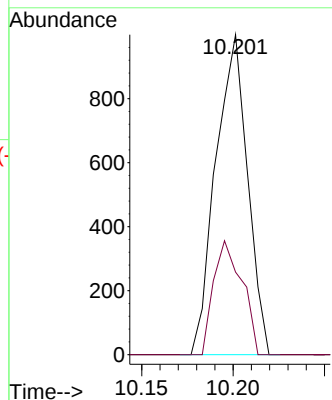
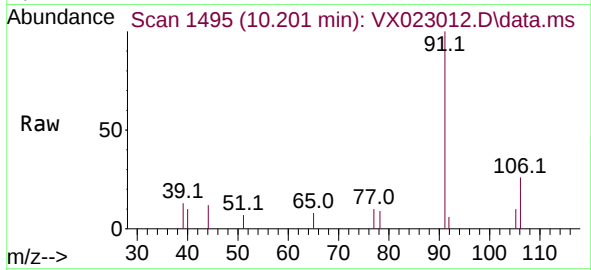




#67
Ethyl Benzene
Concen: 0.294 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX023012.D
Acq: 29 Jun 2021 18:40

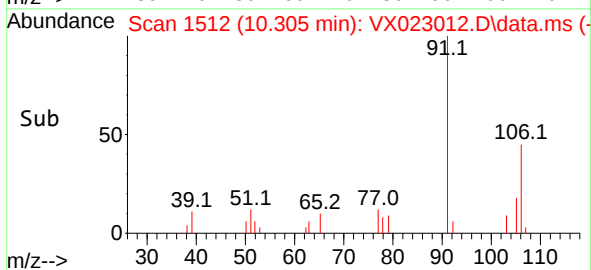
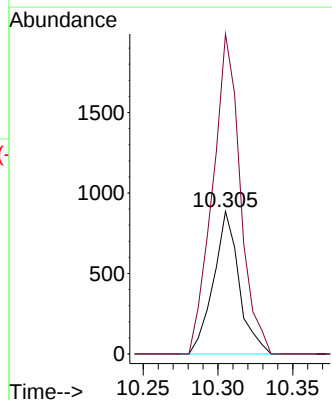
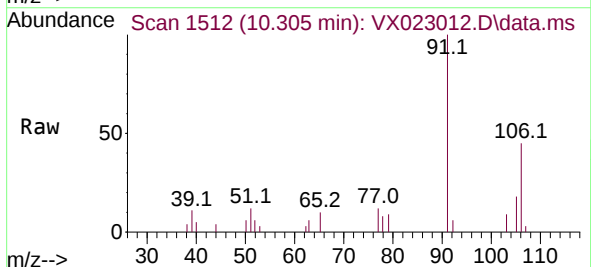
Instrument :
MSVOA_X
ClientSampleId :

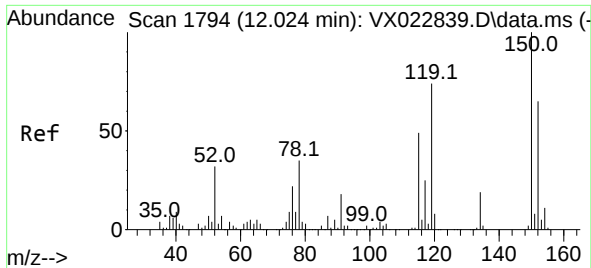
Tgt Ion: 91 Resp: 1209
Ion Ratio Lower Upper
91 100
106 25.8 24.6 37.0



#68
m/p-Xylenes
Concen: 0.687 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX023012.D
Acq: 29 Jun 2021 18:40

Tgt Ion: 106 Resp: 1050
Ion Ratio Lower Upper
106 100
91 242.7 162.8 244.2

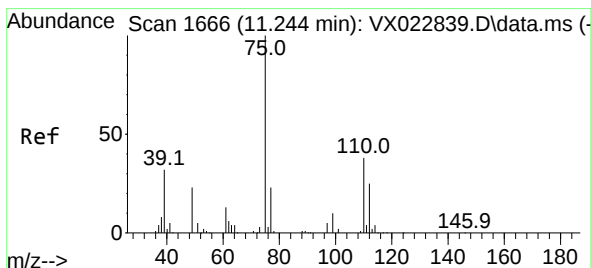
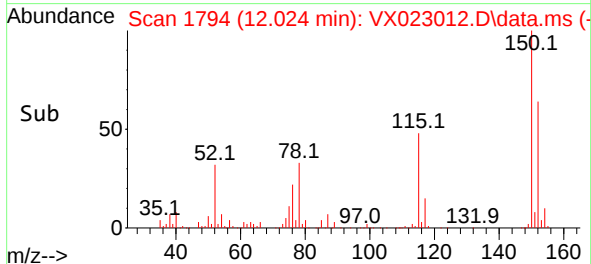
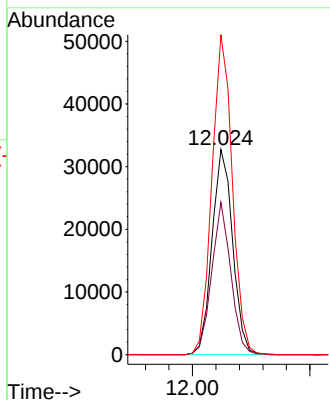
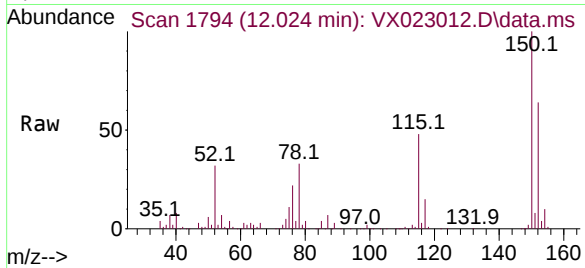




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023012.D
 Acq: 29 Jun 2021 18:40

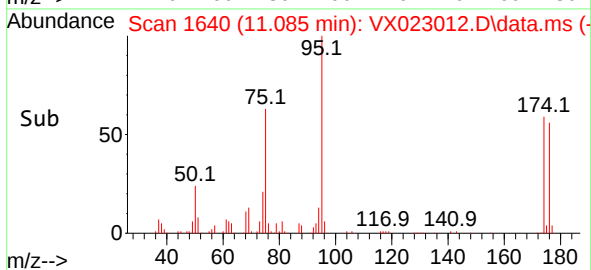
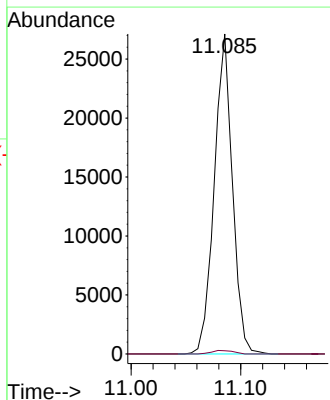
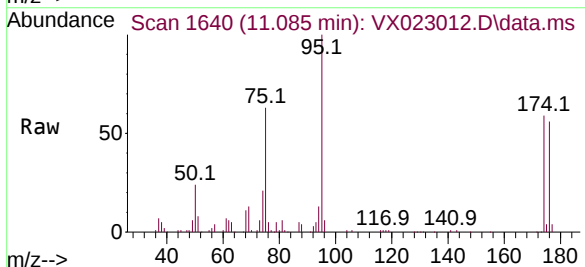
Instrument :
 MSVOA_X
 ClientSampleId :

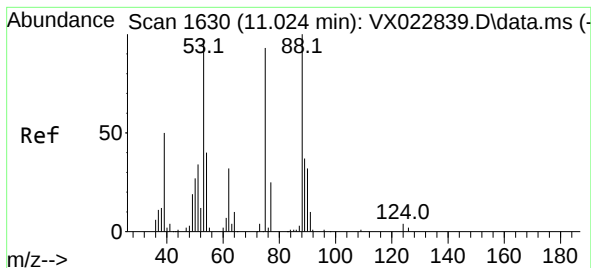
Tgt Ion:152 Resp: 39961
 Ion Ratio Lower Upper
 152 100
 115 68.9 41.1 123.3
 150 153.9 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 29.596 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023012.D
 Acq: 29 Jun 2021 18:40

Tgt Ion: 75 Resp: 31239
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#

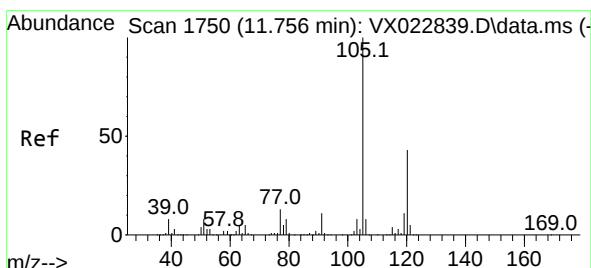
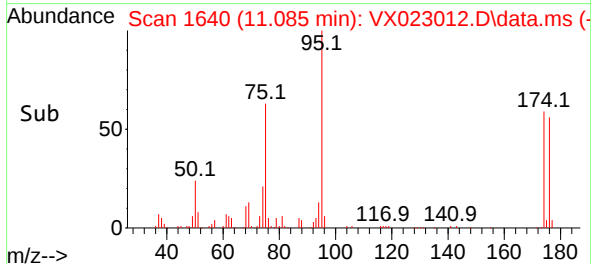
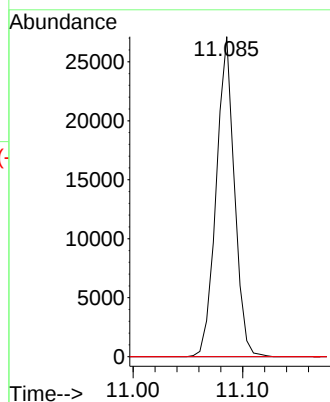
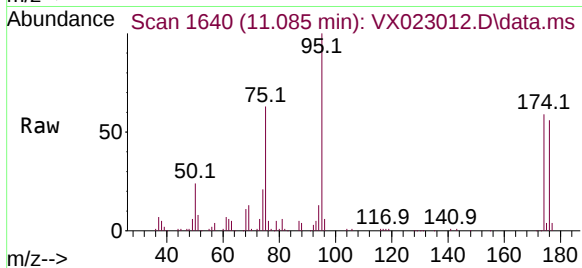




#81
trans-1,4-Dichloro-2-butene
Concen: 76.041 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023012.D
Acq: 29 Jun 2021 18:40

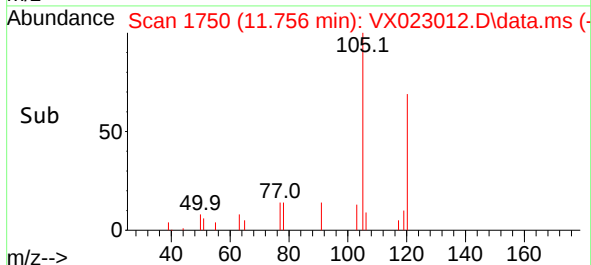
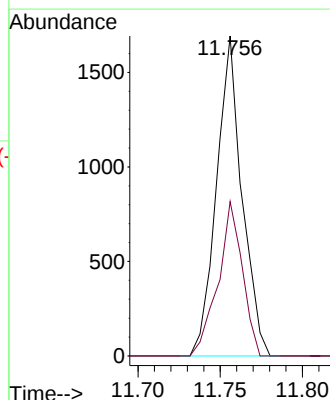
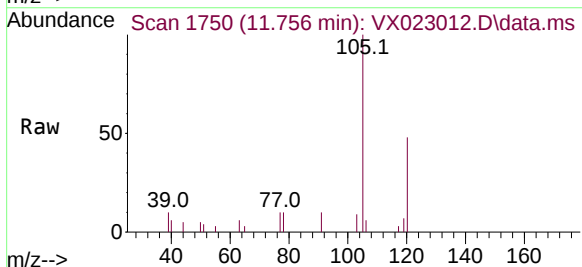
Instrument :
MSVOA_X
ClientSampled :

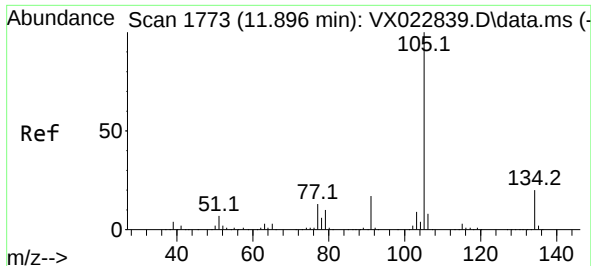
Tgt Ion: 75 Resp: 31239
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 0.652 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX023012.D
Acq: 29 Jun 2021 18:40

Tgt Ion: 105 Resp: 1821
Ion Ratio Lower Upper
105 100
120 46.0 22.4 67.3

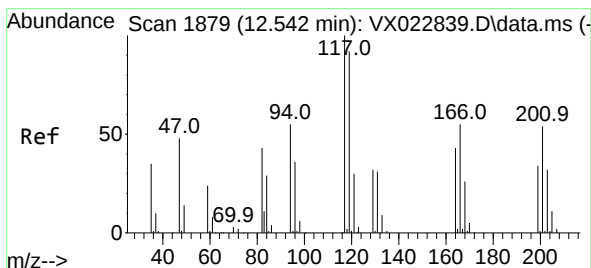
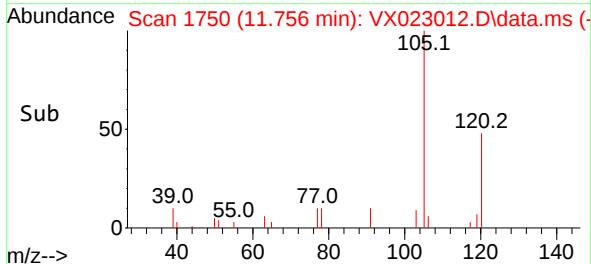
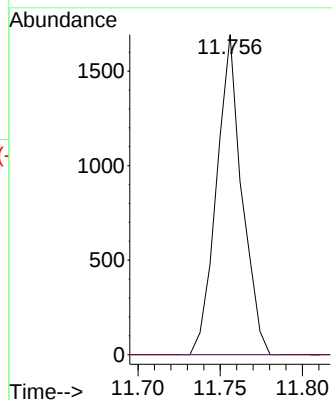
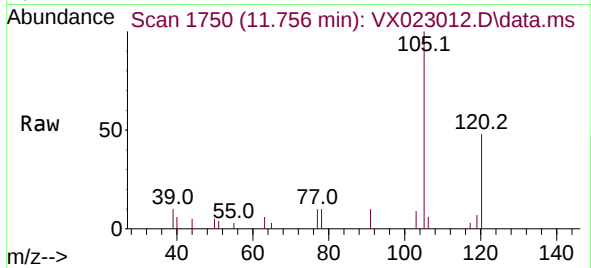




#85
 sec-Butylbenzene
 Concen: 0.515 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. -0.140 min
 Lab File: VX023012.D
 Acq: 29 Jun 2021 18:40

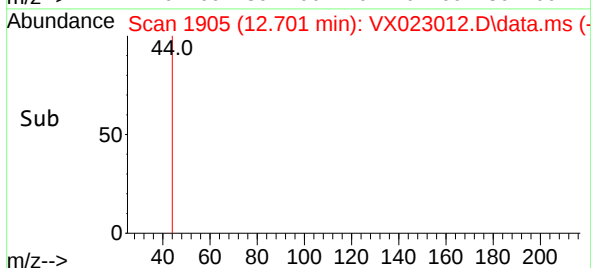
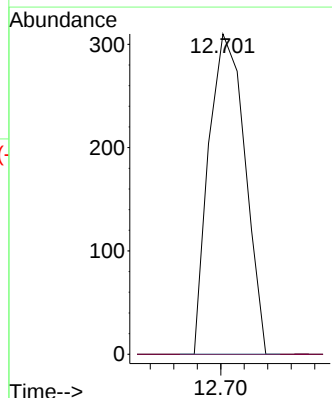
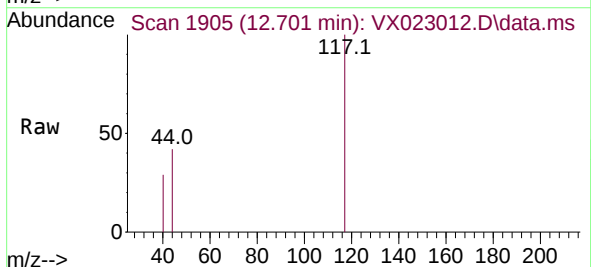
Instrument :
 MSVOA_X
 ClientSampleId :

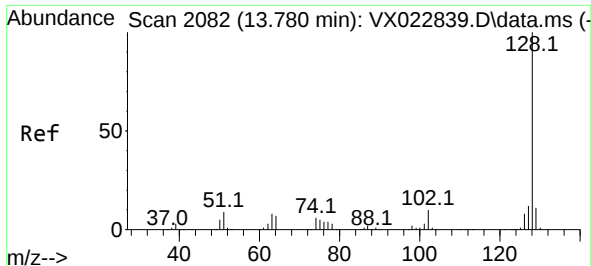
Tgt Ion:105 Resp: 1821
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 29.8#



#90
 Hexachloroethane
 Concen: 4.302 ug/l
 RT: 12.701 min Scan# 1905
 Delta R.T. 0.159 min
 Lab File: VX023012.D
 Acq: 29 Jun 2021 18:40

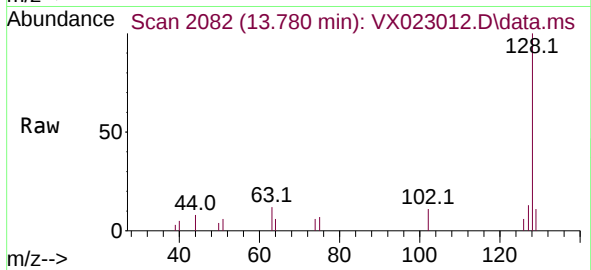
Tgt Ion:117 Resp: 332
 Ion Ratio Lower Upper
 117 100
 201 0.0 40.4 121.2#





#95
Naphthalene
Concen: 2.653 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023012.D
Acq: 29 Jun 2021 18:40

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 2474
Ion Ratio Lower Upper
128 100
127 9.9 10.3 15.5#
129 10.1 8.8 13.2

