

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101121\
 Data File : VX024713.D
 Acq On : 11 Oct 2021 15:41
 Operator : JC/MD
 Sample : M3990-09
 Misc : 5.28g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 11 17:13:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

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

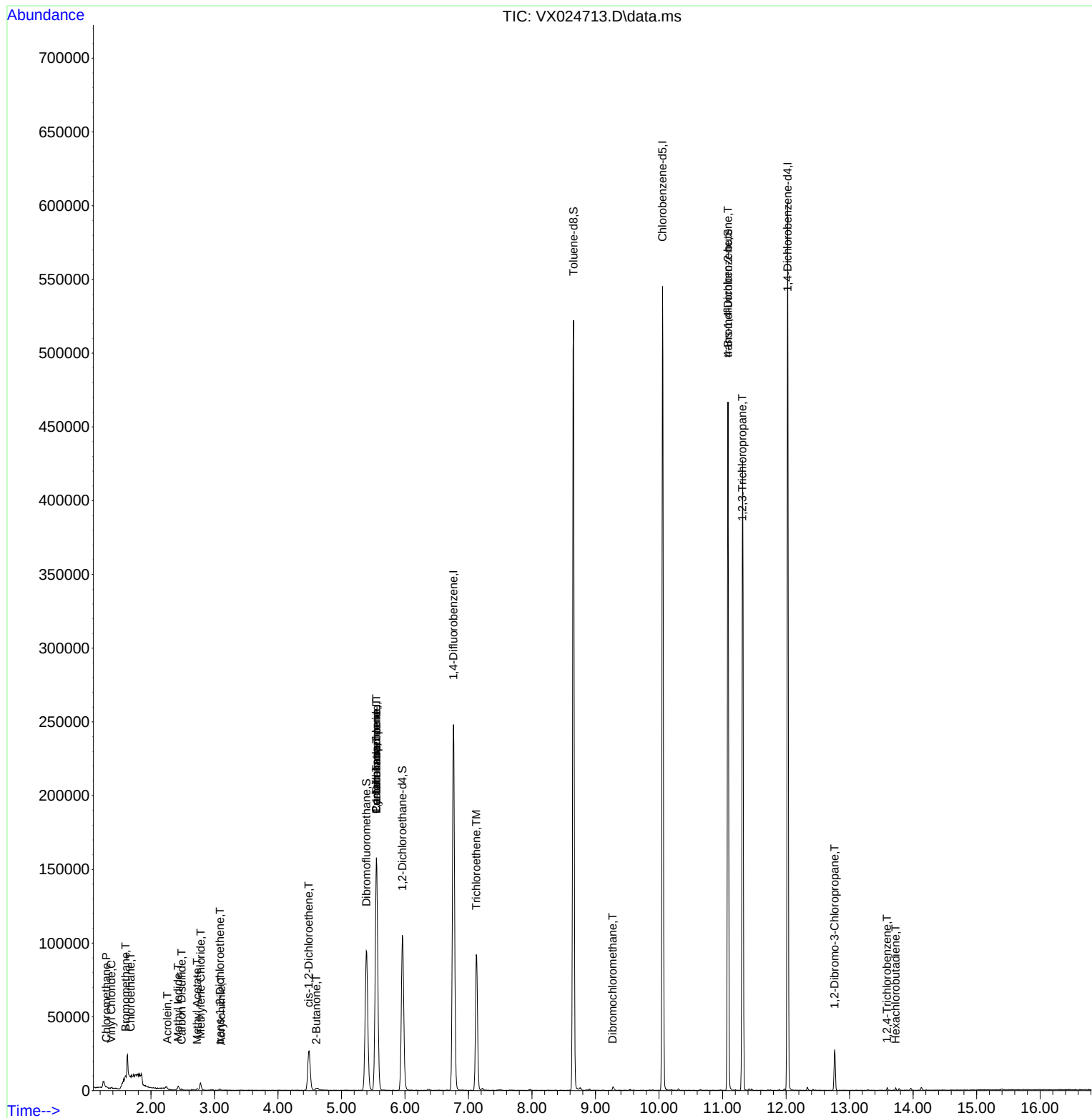
Internal Standards						
1) Pentafluorobenzene	5.550	168	146566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	252021	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	245006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	117442	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	107103	51.849	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.700%	
35) Dibromofluoromethane	5.391	113	82051	49.008	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.020%	
50) Toluene-d8	8.653	98	309877	50.288	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.580%	
62) 4-Bromofluorobenzene	11.085	95	119337	49.255	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.520%	
Target Compounds						Qvalue
3) Chloromethane	1.294	50	307	0.221	ug/l	93
4) Vinyl Chloride	1.374	62	421	0.290	ug/l	92
5) Bromomethane	1.599	94	867	0.886	ug/l	94
6) Chloroethane	1.679	64	77	0.337	ug/l #	43
10) Methyl Iodide	2.428	142	2133	1.053	ug/l	96
11) Tert butyl alcohol	2.959	59	326	Below Cal	#	73
13) Acrolein	2.258	56	68	10.642	ug/l	87
15) Acrylonitrile	3.105	53	276	0.294	ug/l #	75
16) Acetone	2.422	43	972	Below Cal		95
17) Carbon Disulfide	2.483	76	923	0.493	ug/l #	75
18) Methyl Acetate	2.727	43	1291	0.417	ug/l #	68
20) Methylene Chloride	2.782	84	2205	0.289	ug/l #	78
21) trans-1,2-Dichloroethene	3.087	96	398	0.261	ug/l #	74
25) 2-Butanone	4.605	43	1780	1.251	ug/l #	86
27) cis-1,2-Dichloroethene	4.483	96	17352	9.731	ug/l	91
31) Cyclohexane	5.550	56	3159	1.277	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11336	4.692	ug/l #	49
38) Carbon Tetrachloride	5.550	117	15399	5.855	ug/l #	16
44) Trichloroethene	7.123	130	36443	19.172	ug/l	96
60) Dibromochloromethane	9.269	129	204	1.282	ug/l #	11
76) 1,2,3-Trichloropropane	11.311	75	3427	1.285	ug/l #	48
81) trans-1,4-Dichloro-2-b...	11.085	75	64109	65.624	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	12.762	75	666	0.939	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.591	180	554	0.216	ug/l	90
94) Hexachlorobutadiene	13.725	225	358	0.306	ug/l	66

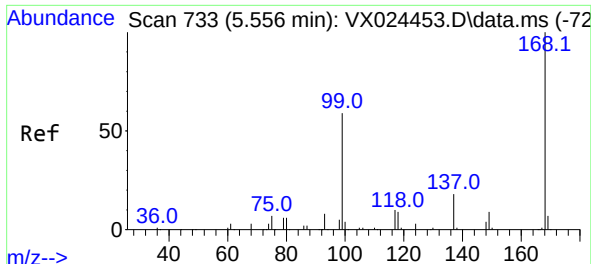
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Oct 11 17:13:02 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 23 18:24:34 2021
Response via : Initial Calibration

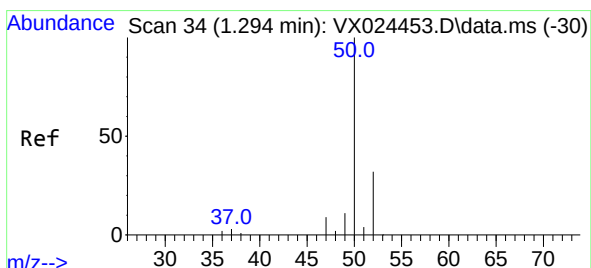
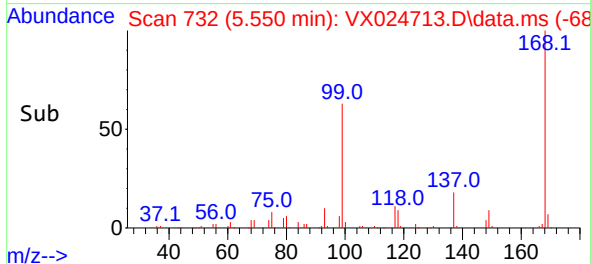
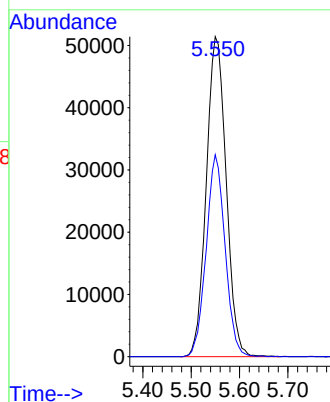
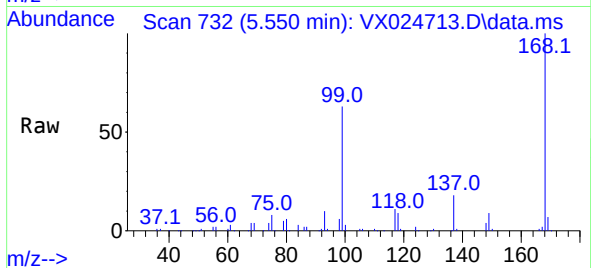




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.006 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

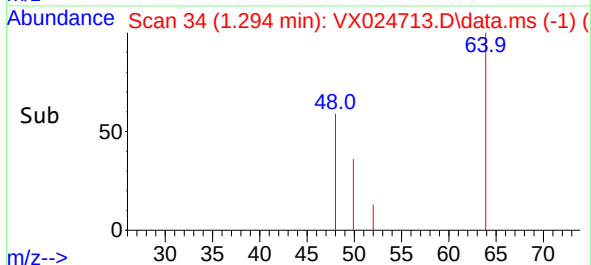
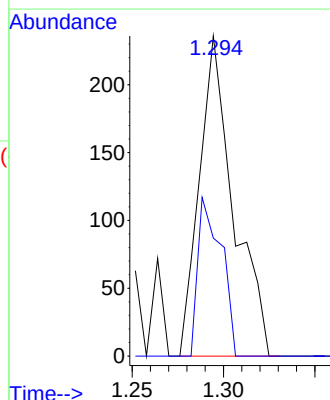
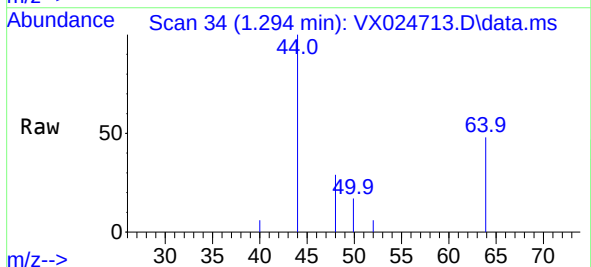
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:168 Resp: 146566
Ion Ratio Lower Upper
168 100
99 63.1 45.8 68.6

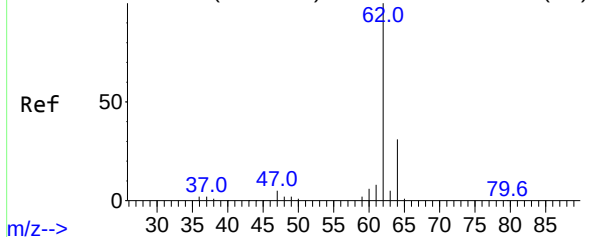


#3
Chloromethane
Concen: 0.221 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

Tgt Ion: 50 Resp: 307
Ion Ratio Lower Upper
50 100
52 36.9 26.4 39.6

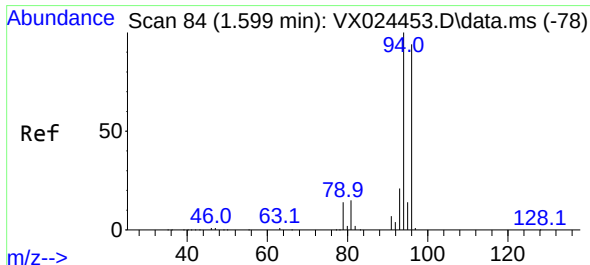
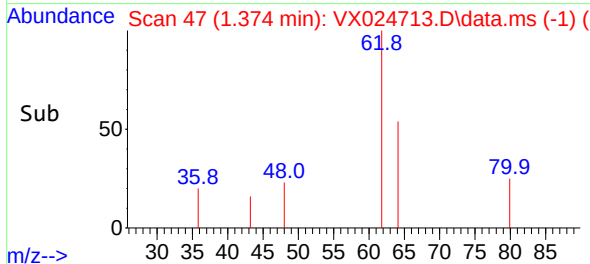
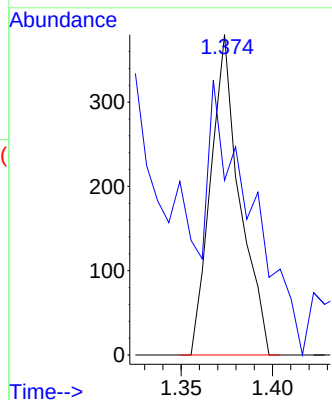
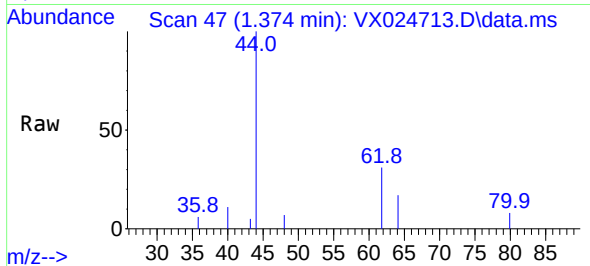


Abundance Scan 47 (1.374 min): VX024453.D\data.ms (-42)



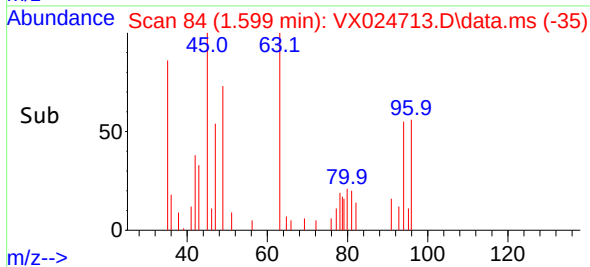
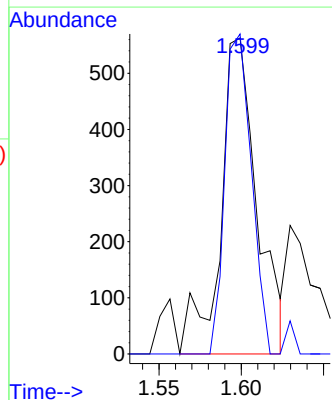
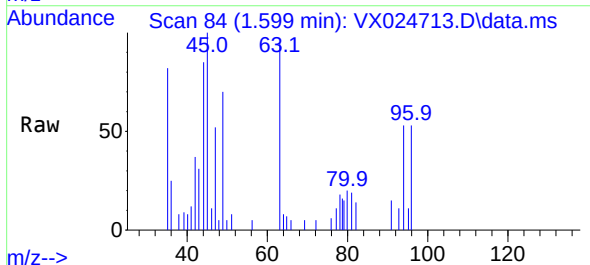
#4
Vinyl Chloride
Concen: 0.290 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

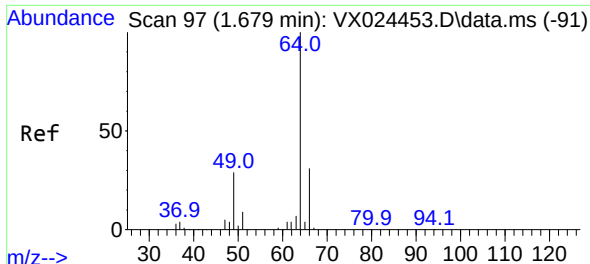
Tgt Ion: 62 Resp: 421
Ion Ratio Lower Upper
62 100
64 27.6 25.7 38.5



#5
Bromomethane
Concen: 0.886 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

Tgt Ion: 94 Resp: 867
Ion Ratio Lower Upper
94 100
96 101.2 76.4 114.6

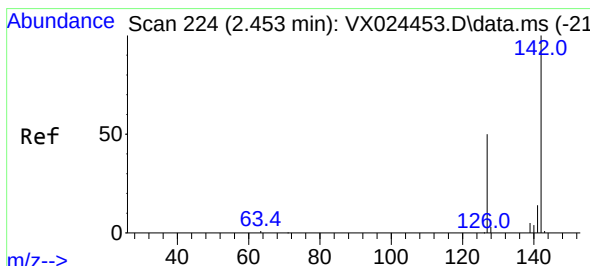
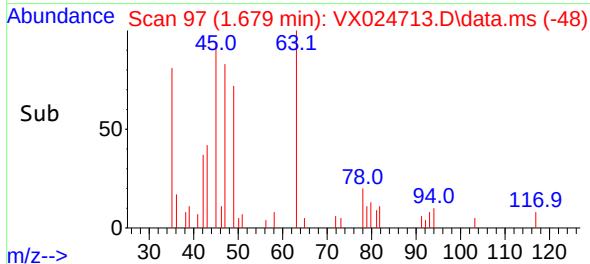
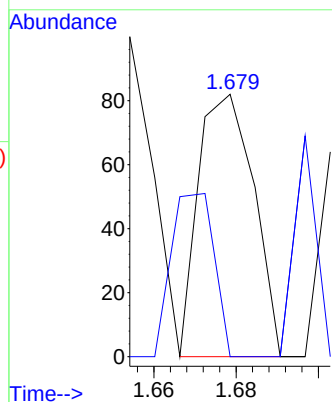
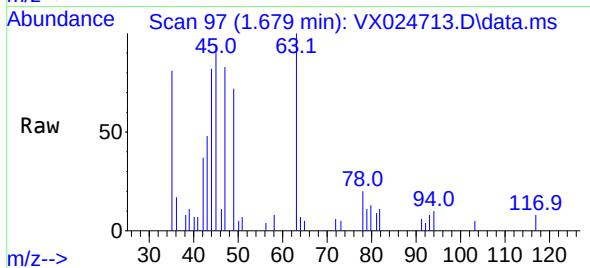




#6
Chloroethane
Concen: 0.337 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.000 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

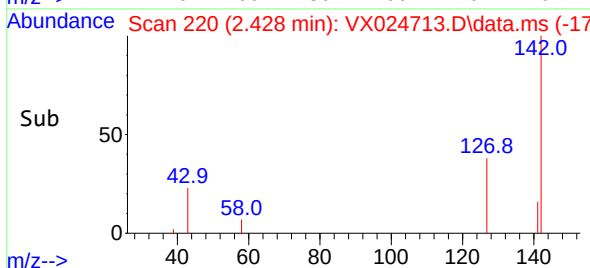
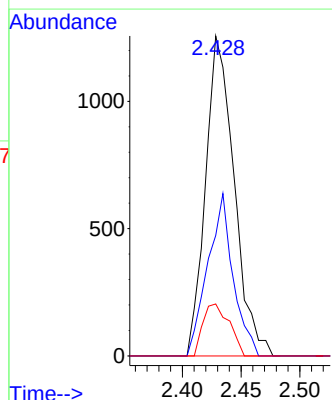
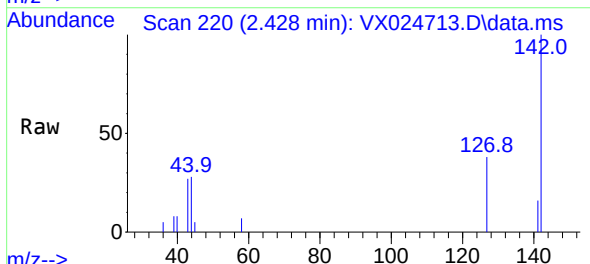
Instrument :
MSVOA_X
ClientSampled :

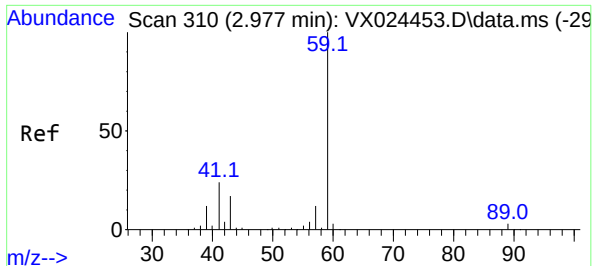
Tgt Ion: 64 Resp: 77
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 1.053 ug/l
RT: 2.428 min Scan# 220
Delta R.T. -0.025 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

Tgt Ion:142 Resp: 2133
Ion Ratio Lower Upper
142 100
127 44.8 33.3 49.9
141 14.8 11.4 17.0



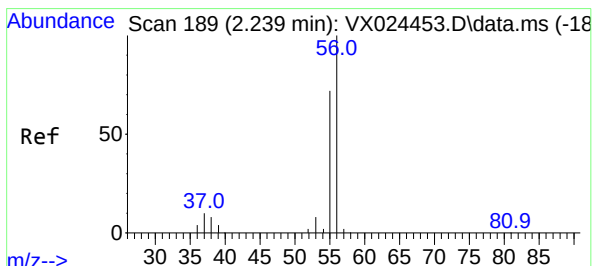
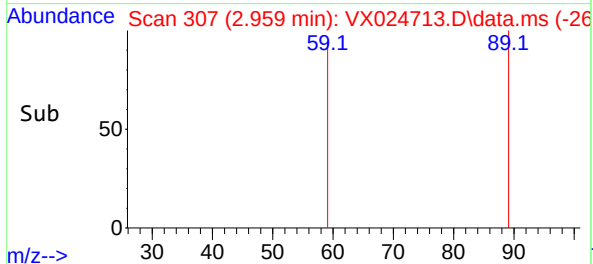
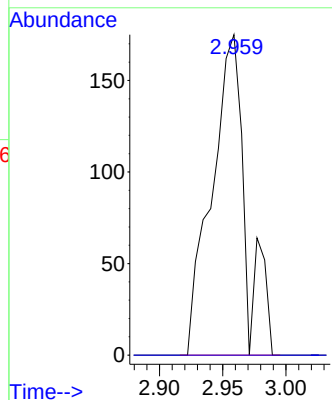
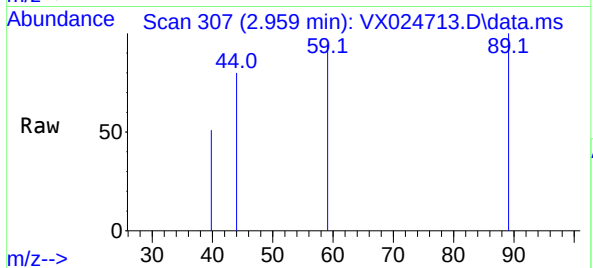


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

Instrument :
MSVOA_X
ClientSampled :

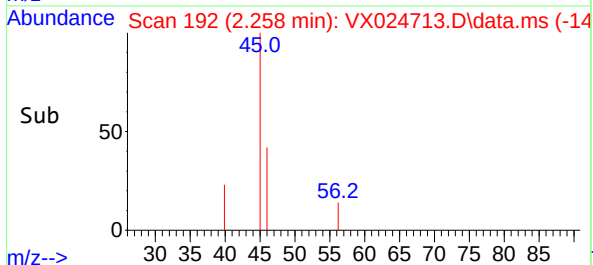
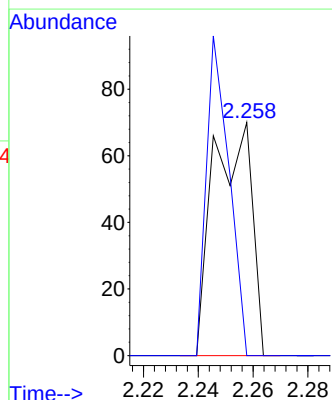
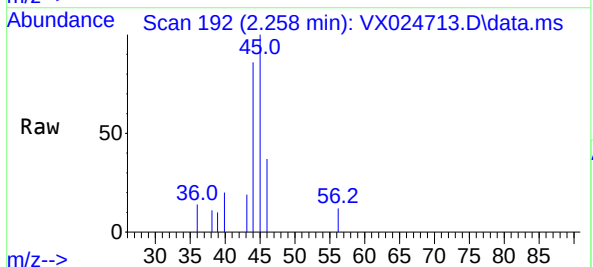
Tgt Ion: 59 Resp: 326
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

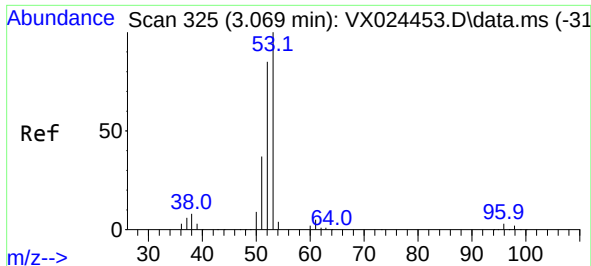


#13

Acrolein
Concen: 10.642 ug/l
RT: 2.258 min Scan# 192
Delta R.T. 0.019 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

Tgt Ion: 56 Resp: 68
Ion Ratio Lower Upper
56 100
55 80.9 56.4 84.6

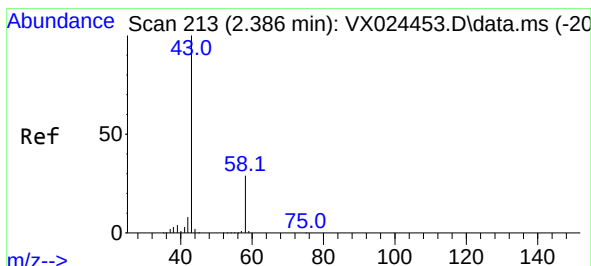
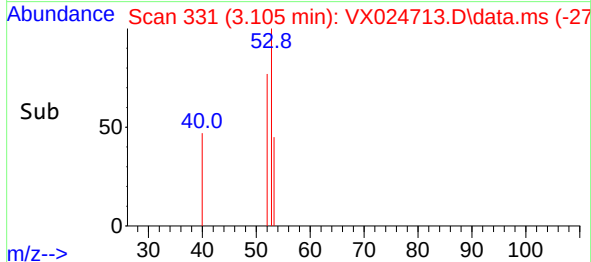
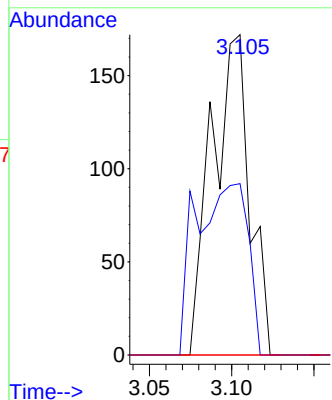
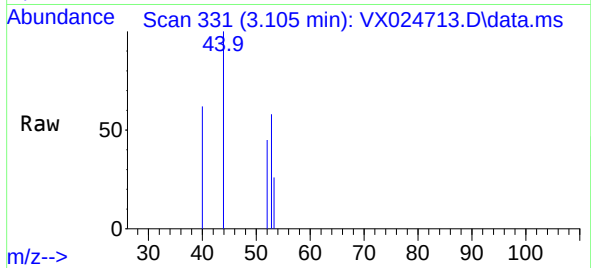




#15
Acrylonitrile
Concen: 0.294 ug/l
RT: 3.105 min Scan# 331
Delta R.T. 0.036 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

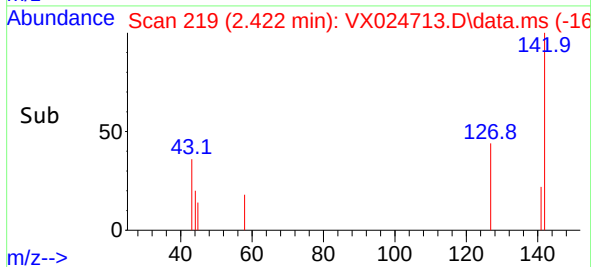
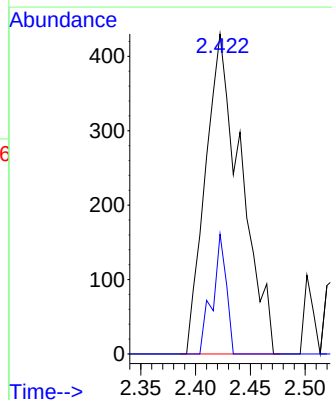
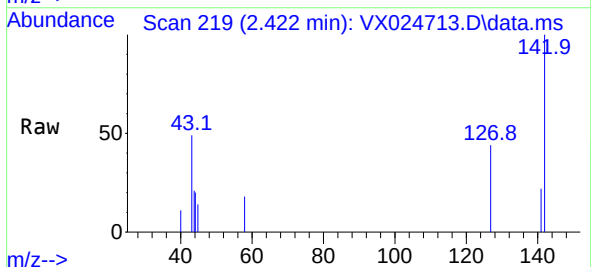
Instrument :
MSVOA_X
ClientSampled :

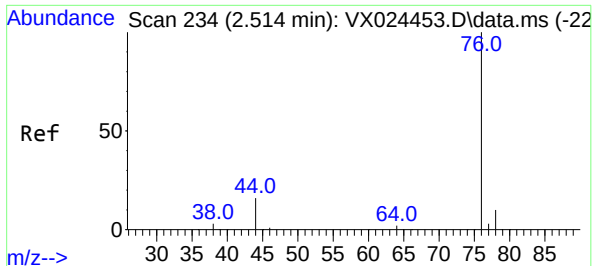
Tgt Ion: 53 Resp: 276
Ion Ratio Lower Upper
53 100
52 73.2 65.3 97.9
51 0.0 28.2 42.2#



#16
Acetone
Concen: Below Cal
RT: 2.422 min Scan# 219
Delta R.T. 0.036 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

Tgt Ion: 43 Resp: 972
Ion Ratio Lower Upper
43 100
58 37.4 27.8 41.8

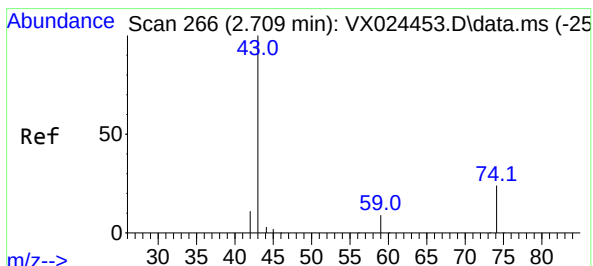
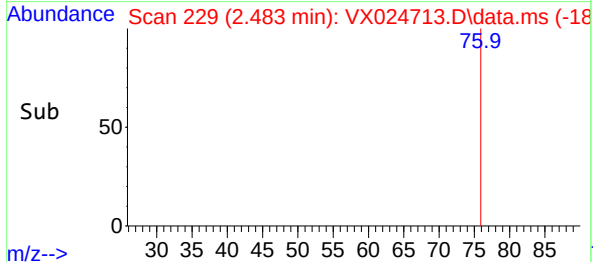
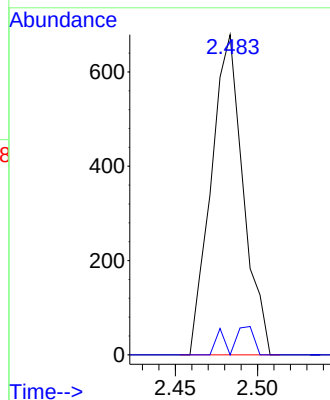
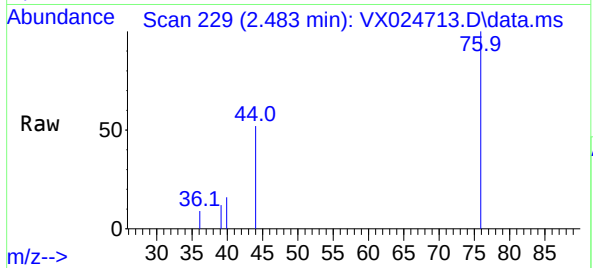




#17
Carbon Disulfide
Concen: 0.493 ug/l
RT: 2.483 min Scan# 229
Delta R.T. -0.031 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

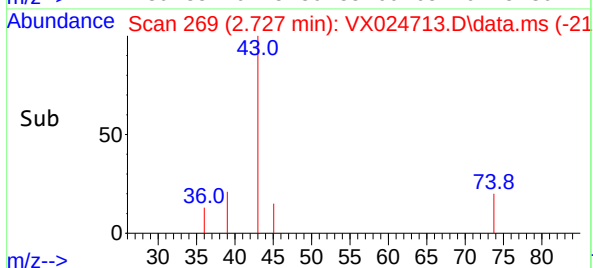
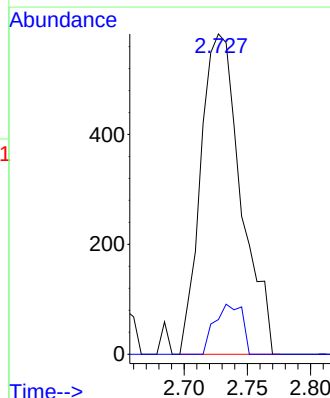
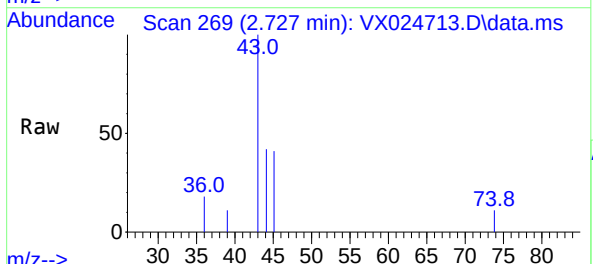
Instrument :
MSVOA_X
ClientSampled :

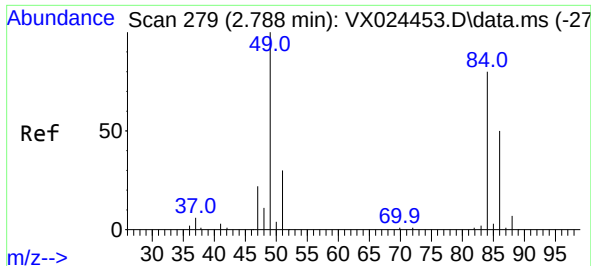
Tgt Ion: 76 Resp: 923
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.417 ug/l
RT: 2.727 min Scan# 269
Delta R.T. 0.018 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

Tgt Ion: 43 Resp: 1291
Ion Ratio Lower Upper
43 100
74 10.7 21.9 32.9#



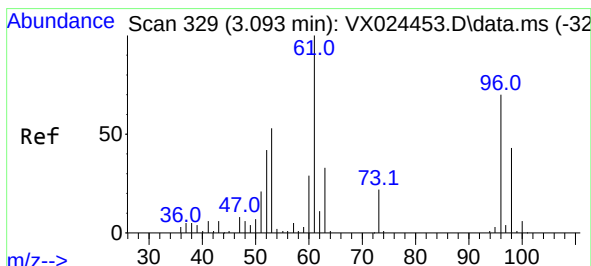
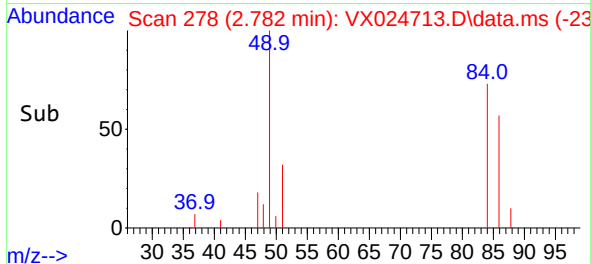
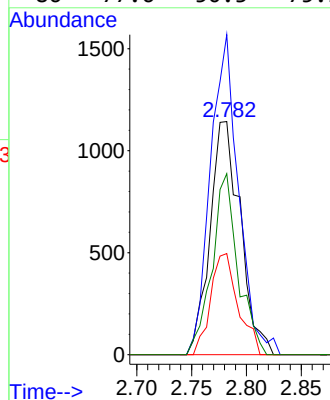
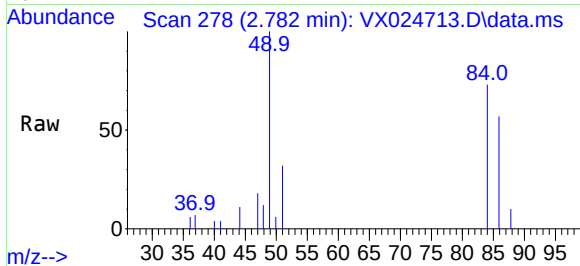


#20
Methylene Chloride
Concen: 0.289 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 84 Resp: 2205

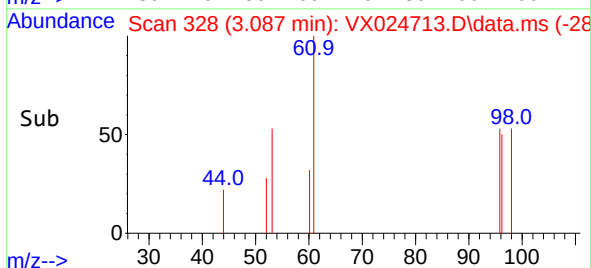
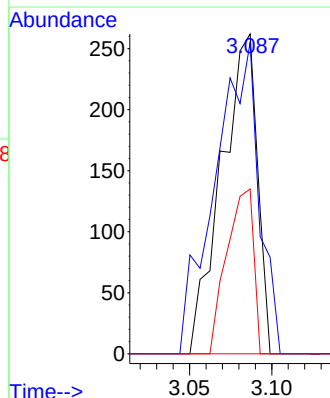
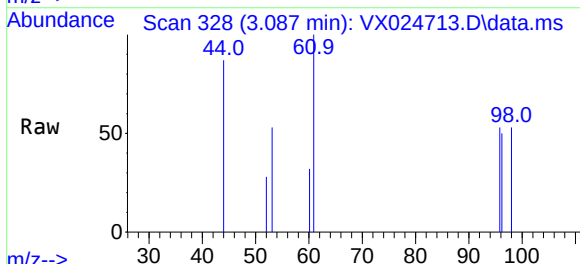
Ion	Ratio	Lower	Upper
84	100		
49	137.3	88.6	132.8#
51	43.4	27.0	40.6#
86	77.6	50.3	75.5#

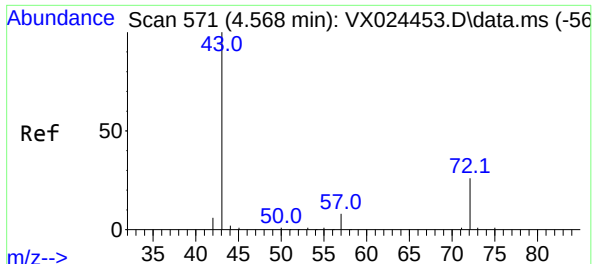


#21
trans-1,2-Dichloroethene
Concen: 0.261 ug/l
RT: 3.087 min Scan# 328
Delta R.T. -0.006 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

Tgt Ion: 96 Resp: 398

Ion	Ratio	Lower	Upper
96	100		
61	97.3	107.7	161.5#
98	51.5	50.4	75.6

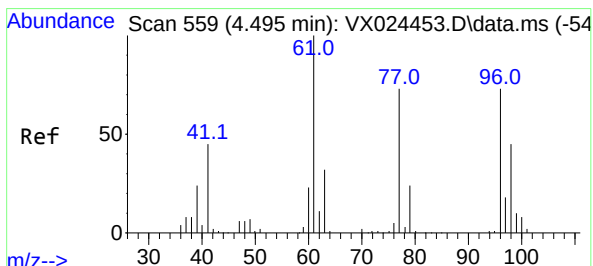
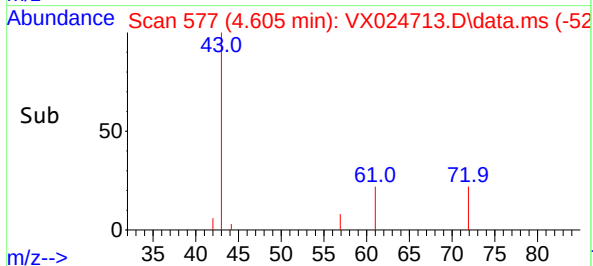
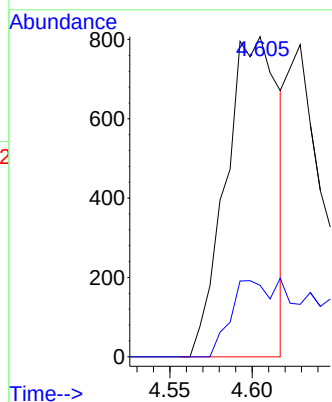
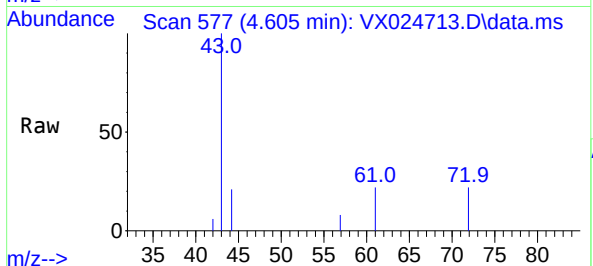




#25
2-Butanone
Concen: 1.251 ug/l
RT: 4.605 min Scan# 577
Delta R.T. 0.037 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

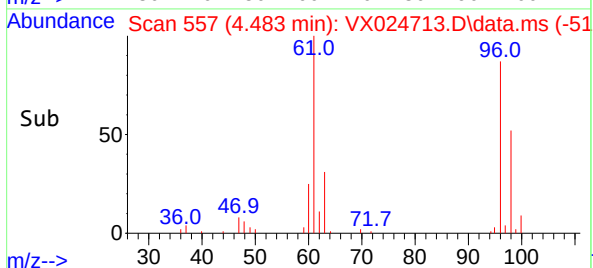
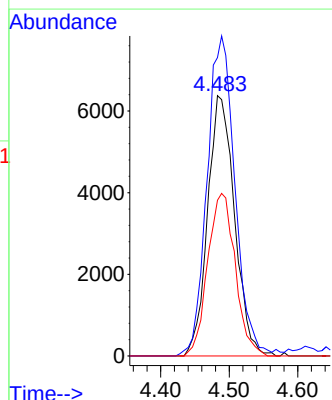
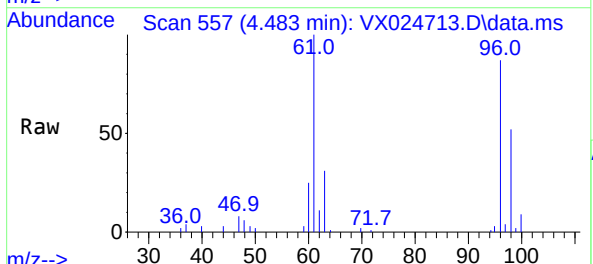
Instrument :
MSVOA_X
ClientSampled :

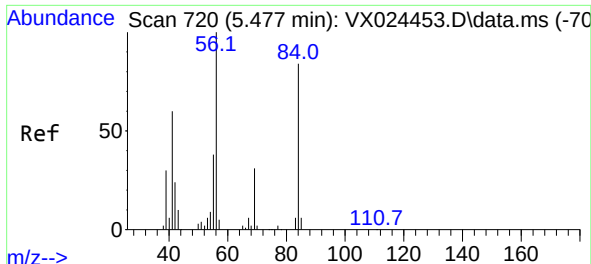
Tgt Ion: 43 Resp: 1780
Ion Ratio Lower Upper
43 100
72 22.3 23.7 35.5#



#27
cis-1,2-Dichloroethene
Concen: 9.731 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.012 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

Tgt Ion: 96 Resp: 17352
Ion Ratio Lower Upper
96 100
61 127.3 0.0 285.6
98 64.0 0.0 129.6

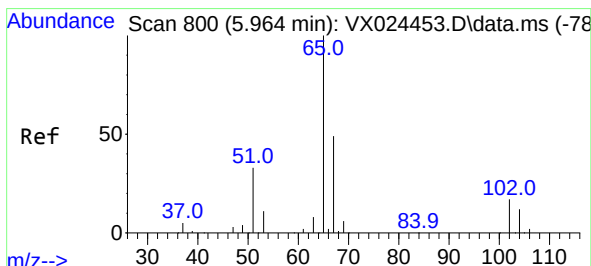
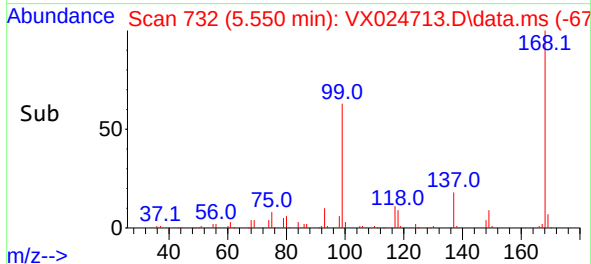
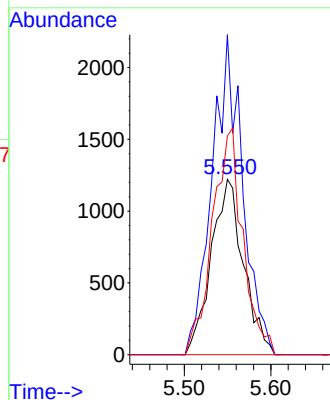
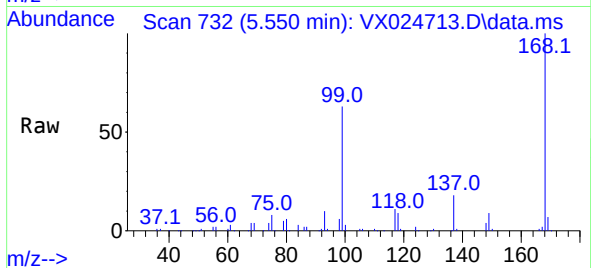




#31
Cyclohexane
Concen: 1.277 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

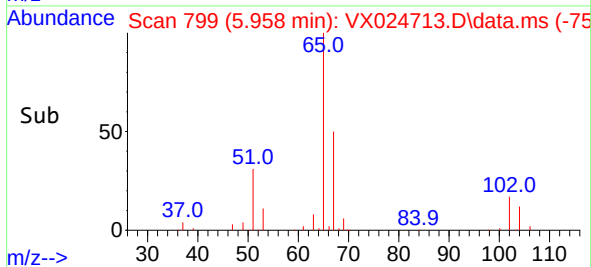
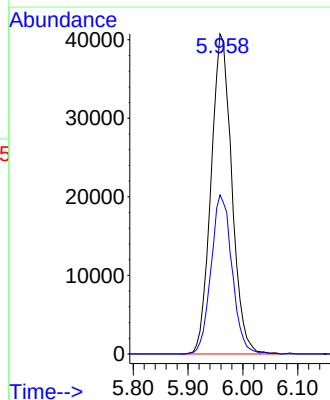
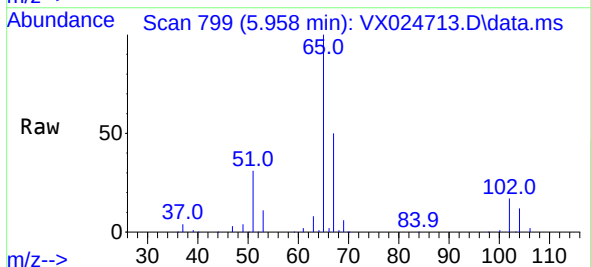
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 56 Resp: 3159
Ion Ratio Lower Upper
56 100
69 182.4 25.3 37.9#
84 124.6 71.4 107.0#

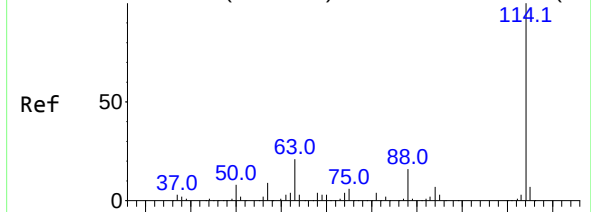


#33
1,2-Dichloroethane-d4
Concen: 51.849 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

Tgt Ion: 65 Resp: 107103
Ion Ratio Lower Upper
65 100
67 50.3 0.0 105.4

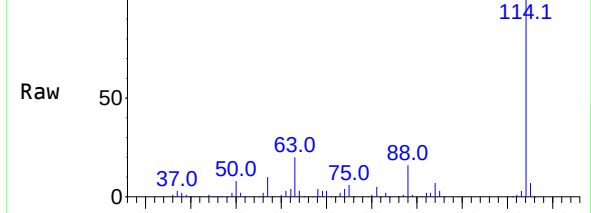


Abundance Scan 932 (6.769 min): VX024453.D\data.ms (-92



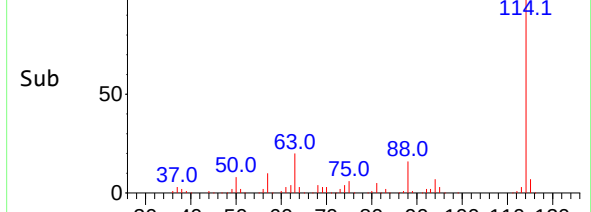
m/z-->

Abundance Scan 931 (6.763 min): VX024713.D\data.ms



m/z-->

Abundance Scan 931 (6.763 min): VX024713.D\data.ms (-88

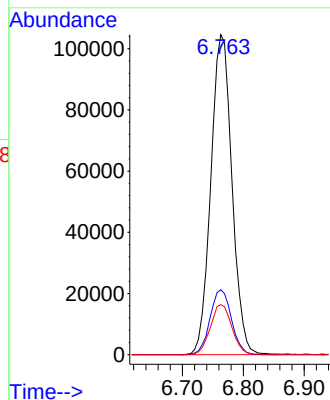


m/z-->

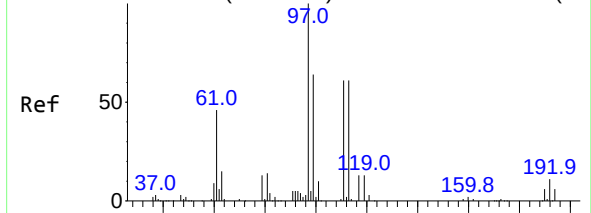
#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

Tgt Ion:	114	Resp:	252021
Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.8
88	15.7	0.0	32.8

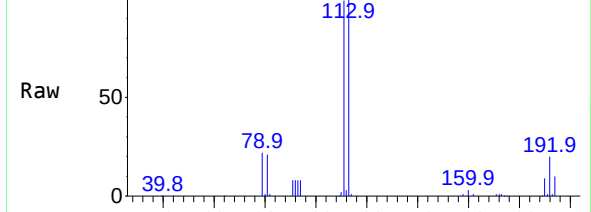


Abundance Scan 707 (5.397 min): VX024453.D\data.ms (-69



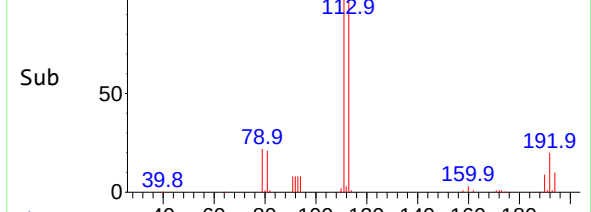
m/z-->

Abundance Scan 706 (5.391 min): VX024713.D\data.ms



m/z-->

Abundance Scan 706 (5.391 min): VX024713.D\data.ms (-65

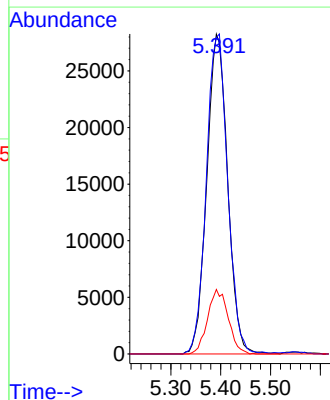


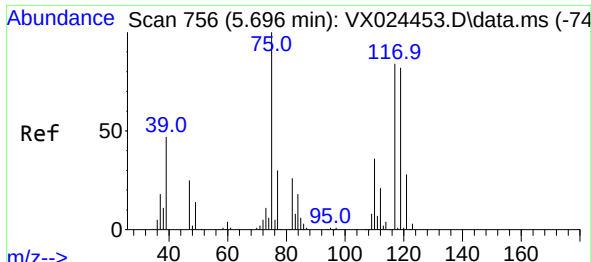
m/z-->

#35

Dibromofluoromethane
Concen: 49.008 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

Tgt Ion:	113	Resp:	82051
Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.9	122.9
192	19.9	16.7	25.1

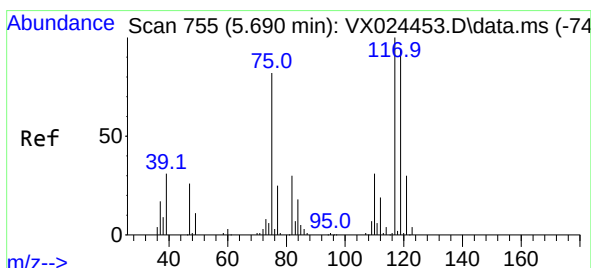
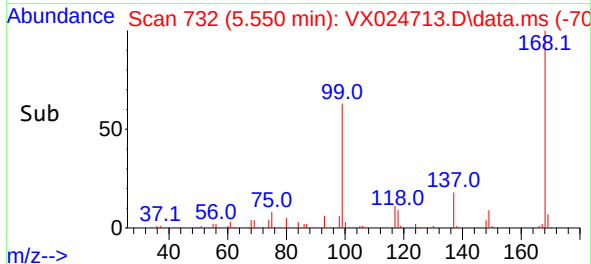
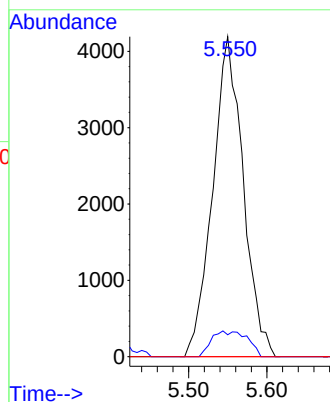
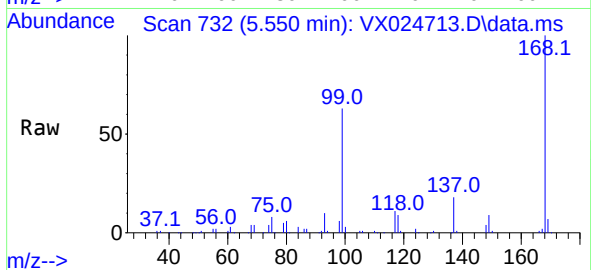




#36
1,1-Dichloropropene
Concen: 4.692 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

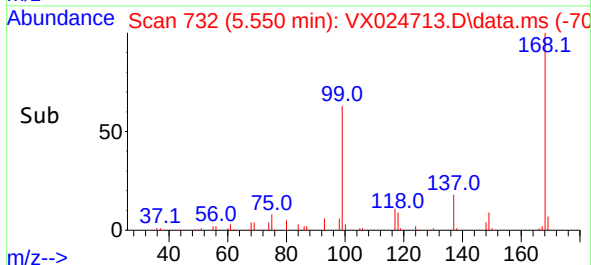
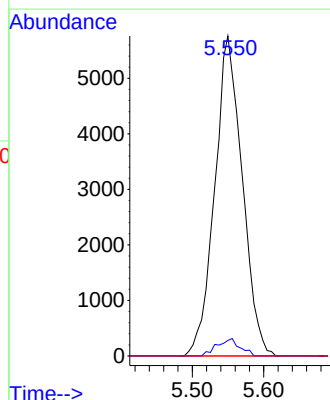
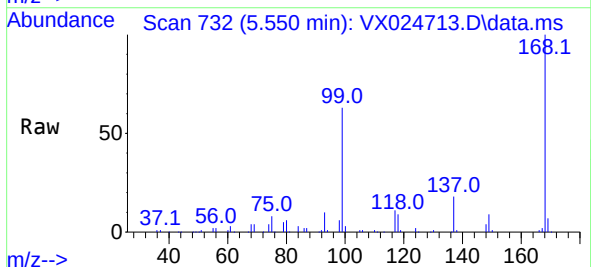
Instrument :
MSVOA_X
ClientSampleId :

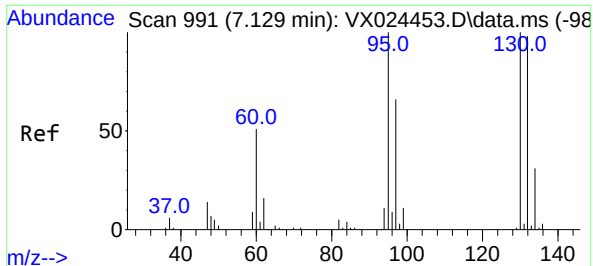
Tgt Ion: 75 Resp: 11336
Ion Ratio Lower Upper
75 100
110 9.4 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.855 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

Tgt Ion:117 Resp: 15399
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.2#
121 0.0 24.8 37.2#

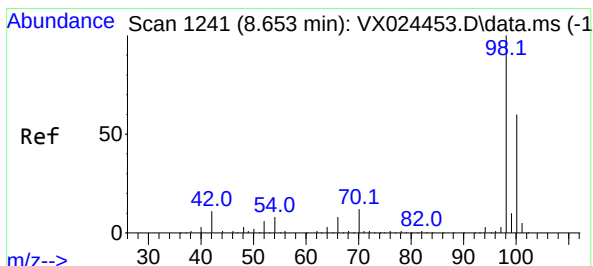
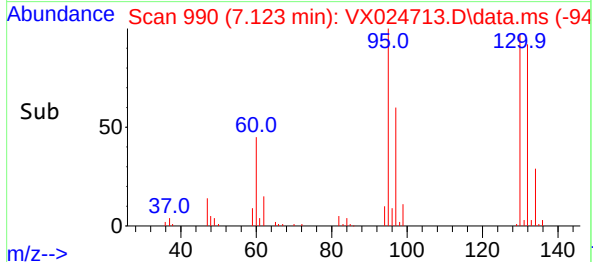
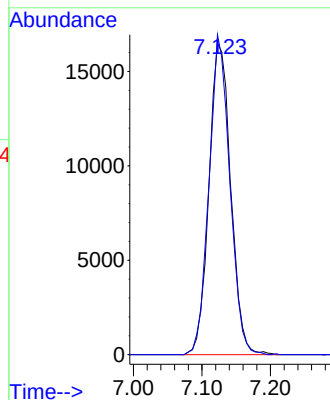
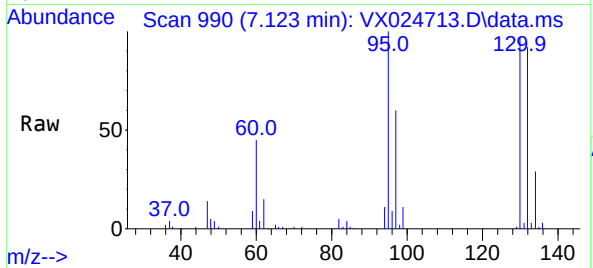




#44
Trichloroethene
Concen: 19.172 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

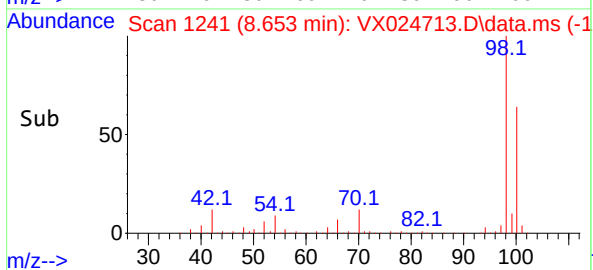
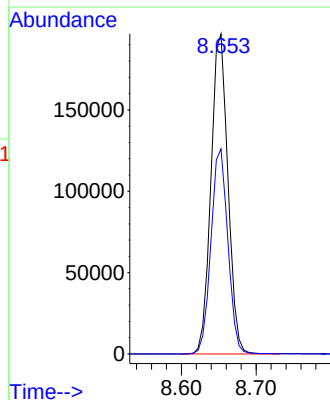
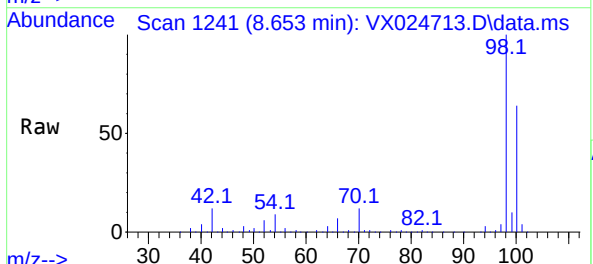
Instrument :
MSVOA_X
ClientSampled :

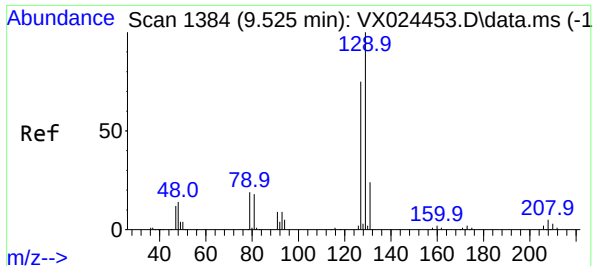
Tgt Ion:130 Resp: 36443
Ion Ratio Lower Upper
130 100
95 102.8 0.0 198.0



#50
Toluene-d8
Concen: 50.288 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

Tgt Ion: 98 Resp: 309877
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9

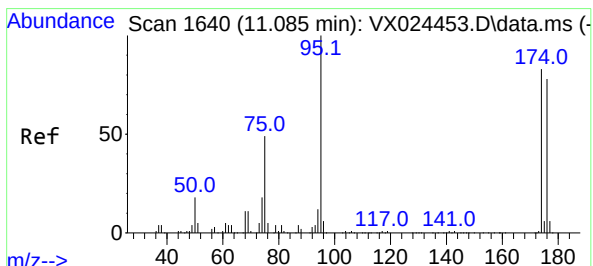
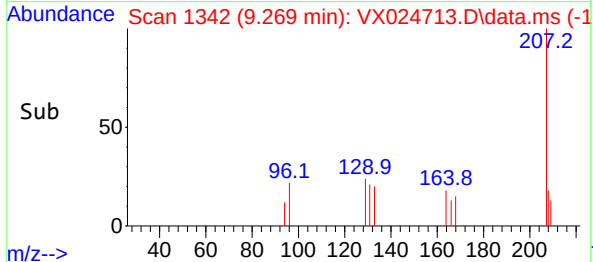
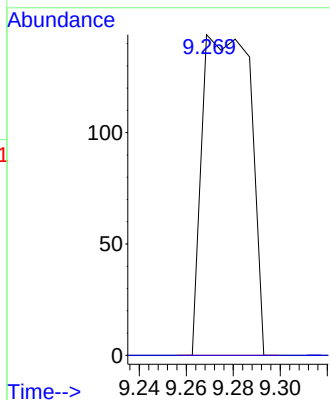
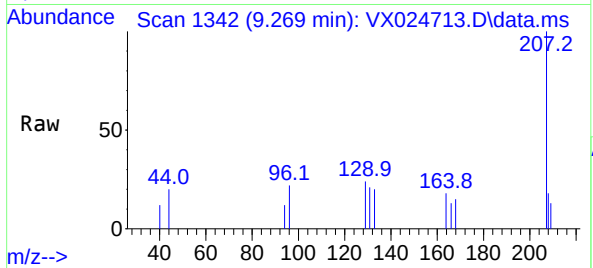




#60
Dibromochloromethane
Concen: 1.282 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.256 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

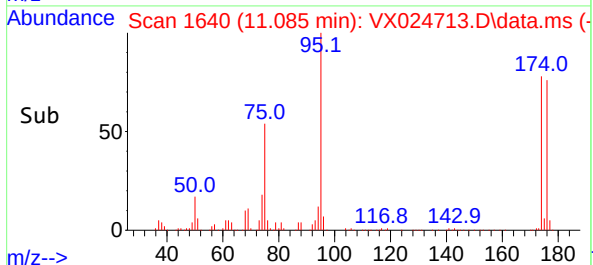
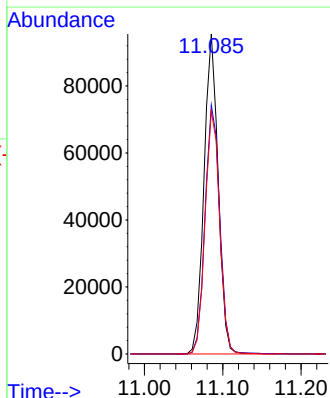
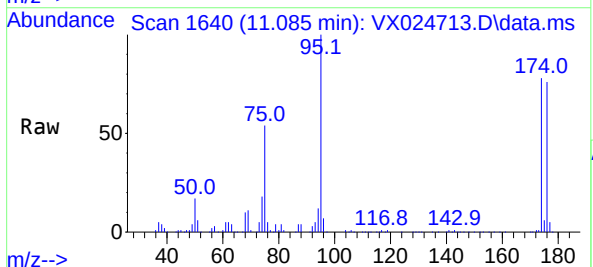
Instrument :
MSVOA_X
ClientSampled :

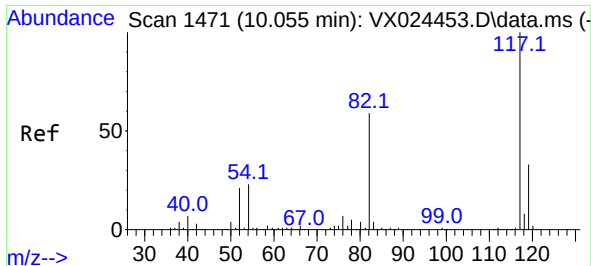
Tgt Ion:129 Resp: 204
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 49.255 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

Tgt Ion: 95 Resp: 119337
Ion Ratio Lower Upper
95 100
174 81.0 0.0 154.6
176 78.0 0.0 155.8

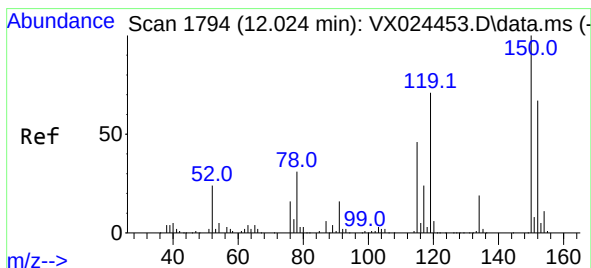
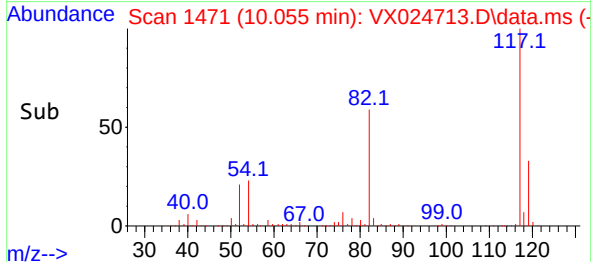
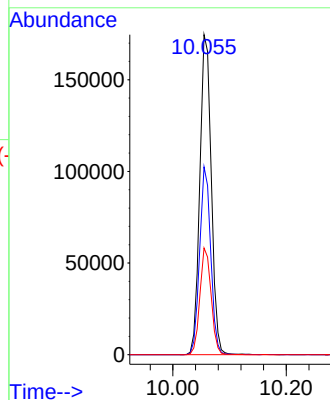
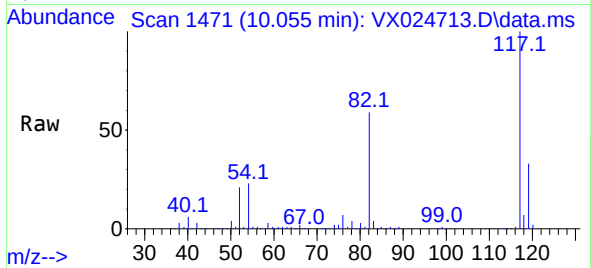




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

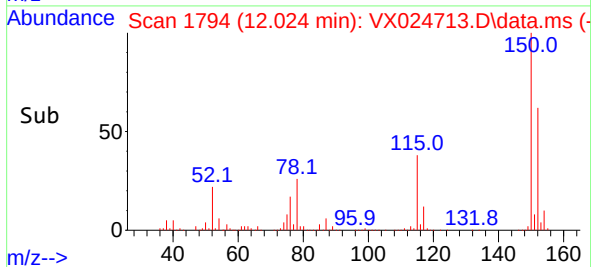
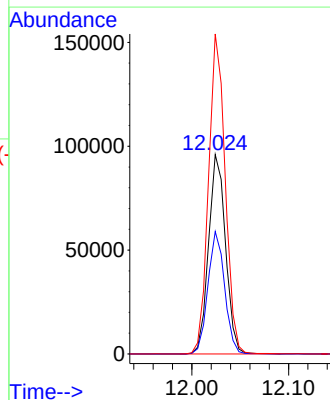
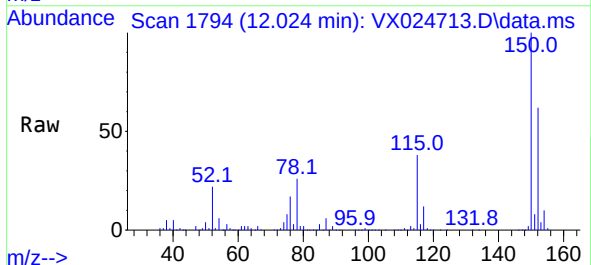
Instrument :
MSVOA_X
ClientSampled :

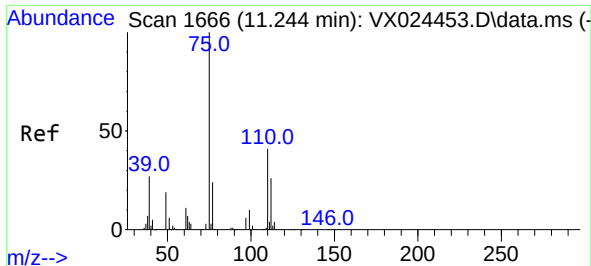
Tgt Ion:117 Resp: 245006
Ion Ratio Lower Upper
117 100
82 58.7 47.4 71.2
119 33.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

Tgt Ion:152 Resp: 117442
Ion Ratio Lower Upper
152 100
115 60.4 41.1 123.3
150 157.3 0.0 349.0

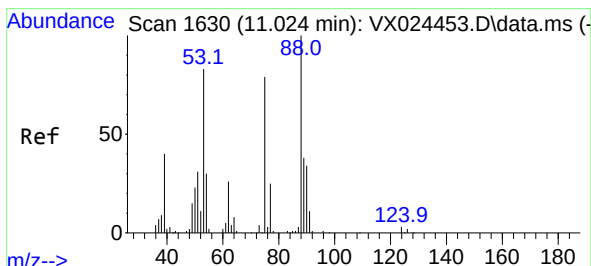
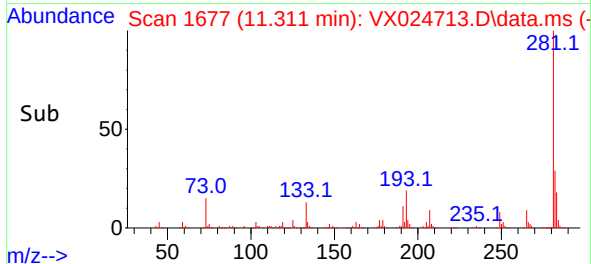
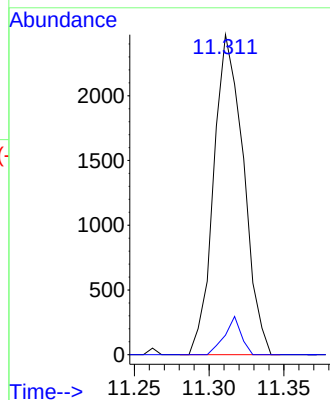
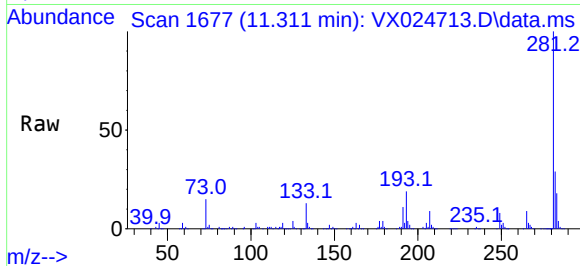




#76
1,2,3-Trichloropropane
Concen: 1.285 ug/l
RT: 11.311 min Scan# 1677
Delta R.T. 0.067 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

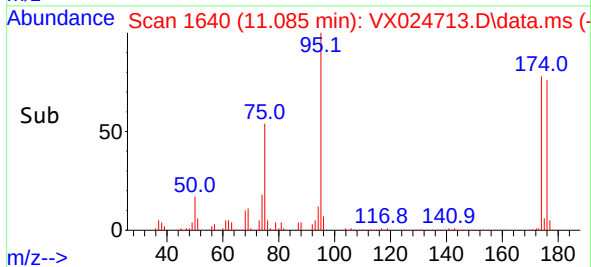
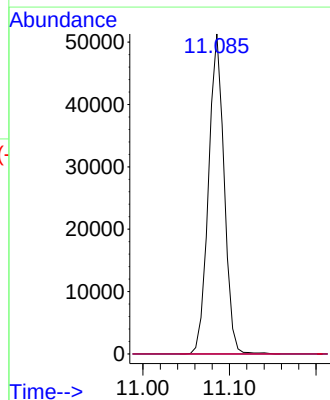
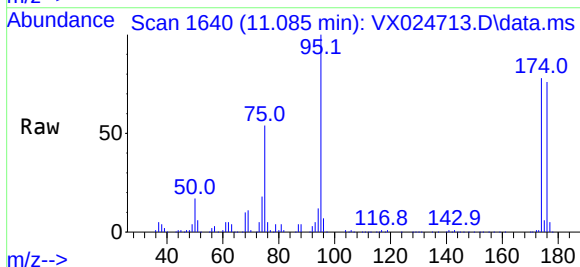
Instrument :
MSVOA_X
ClientSampled :

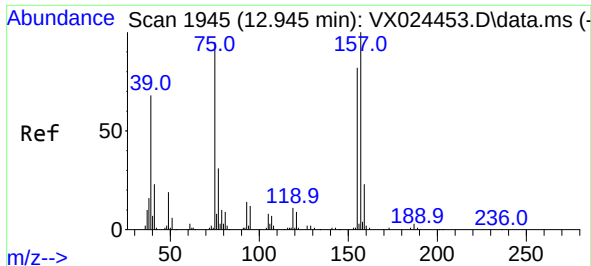
Tgt Ion: 75 Resp: 3427
Ion Ratio Lower Upper
75 100
77 6.7 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.624 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

Tgt Ion: 75 Resp: 64109
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

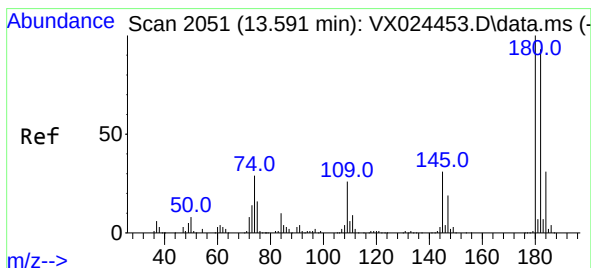
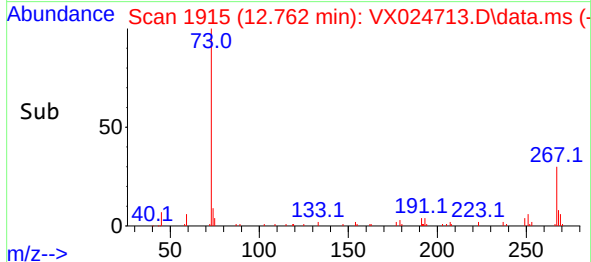
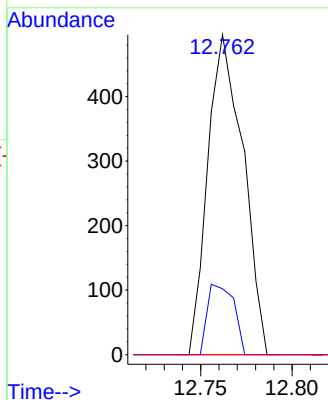
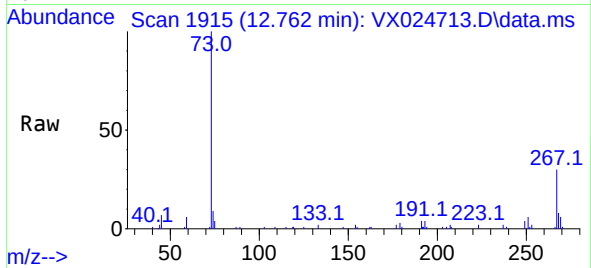




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.939 ug/l
RT: 12.762 min Scan# 1915
Delta R.T. -0.183 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

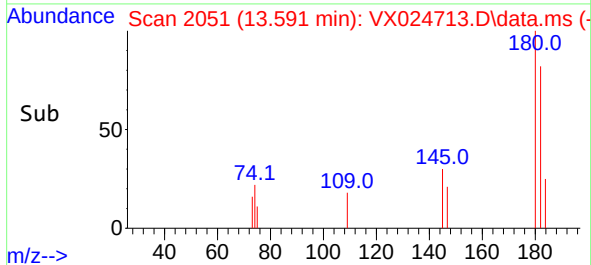
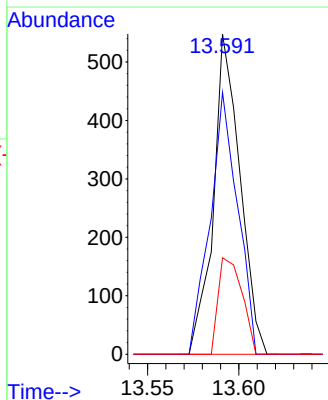
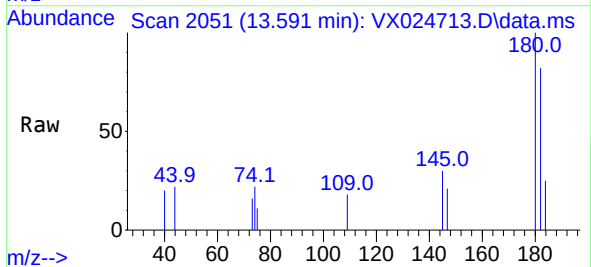
Instrument :
MSVOA_X
ClientSampleId :

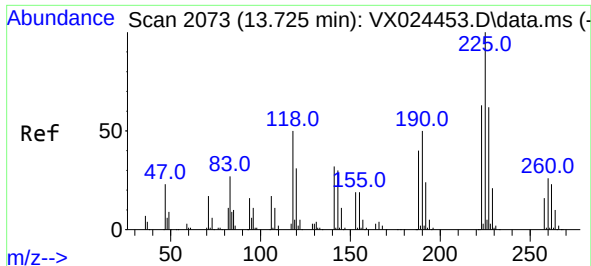
Tgt Ion: 75 Resp: 666
Ion Ratio Lower Upper
75 100
155 16.4 45.3 135.9#
157 0.0 57.7 173.1#



#93
1,2,4-Trichlorobenzene
Concen: 0.216 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

Tgt Ion:180 Resp: 554
Ion Ratio Lower Upper
180 100
182 84.8 47.7 143.1
145 26.9 15.0 45.0





#94
Hexachlorobutadiene
Concen: 0.306 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX024713.D
Acq: 11 Oct 2021 15:41

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:225 Resp: 358
Ion Ratio Lower Upper
225 100
223 34.1 31.1 93.2
227 38.5 31.6 95.0

