

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100821\
 Data File : VX024671.D
 Acq On : 08 Oct 2021 15:36
 Operator : JC/MD
 Sample : M4130-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 08 16:31:15 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)

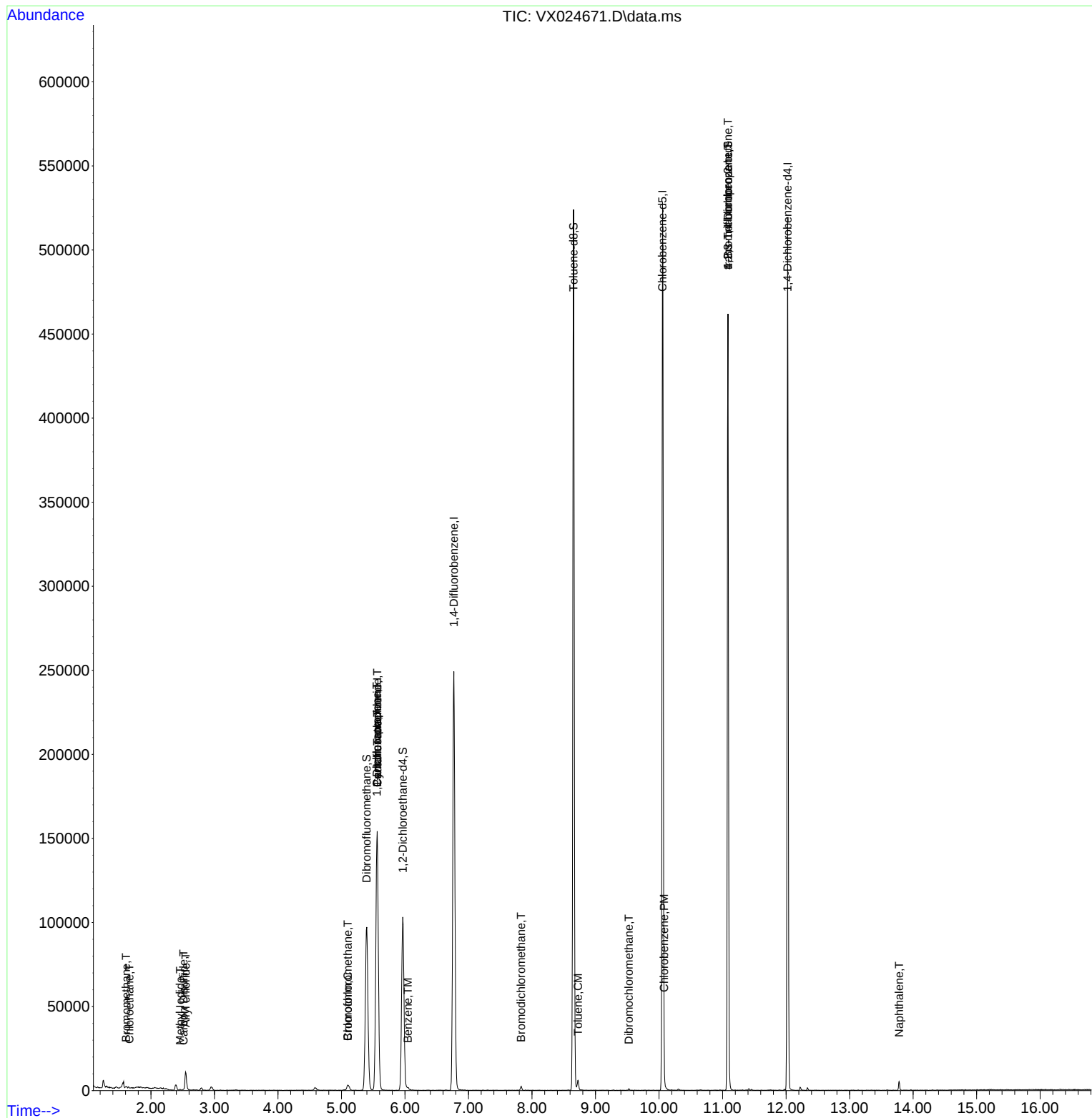
Internal Standards						
1) Pentafluorobenzene	5.562	168	144046	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	247938	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	239685	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104315	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	105019	51.730	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.460%			
35) Dibromofluoromethane	5.397	113	82127	49.861	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.720%			
50) Toluene-d8	8.653	98	299795	49.453	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.900%			
62) 4-Bromofluorobenzene	11.085	95	117761	49.405	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.820%			
Target Compounds						Qvalue
5) Bromomethane	1.605	94	318	0.331	ug/l #	72
6) Chloroethane	1.660	64	134	0.398	ug/l #	43
10) Methyl Iodide	2.459	142	489	0.246	ug/l #	89
11) Tert butyl alcohol	2.940	59	1485	Below Cal	#	73
14) Allyl chloride	2.544	41	1209	0.501	ug/l #	52
16) Acetone	2.386	43	2489	Below Cal		92
17) Carbon Disulfide	2.514	76	712	0.436	ug/l #	75
20) Methylene Chloride	2.794	84	736	Below Cal	#	78
28) Bromochloromethane	5.099	49	283	0.228	ug/l #	9
30) Chloroform	5.099	83	3813	1.261	ug/l #	81
31) Cyclohexane	5.562	56	3225	1.327	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10824	4.554	ug/l #	49
38) Carbon Tetrachloride	5.562	117	14658	5.665	ug/l #	16
40) Benzene	6.044	78	1551	0.228	ug/l	93
47) Bromodichloromethane	7.830	83	1428	0.593	ug/l #	86
52) Toluene	8.726	92	2264	0.516	ug/l	94
60) Dibromochloromethane	9.525	129	386	1.370	ug/l	96
65) Chlorobenzene	10.079	112	1375	0.275	ug/l	95
76) 1,2,3-Trichloropropane	11.085	75	62992	26.591	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	62992	72.389	ug/l #	12
95) Naphthalene	13.780	128	3526	0.484	ug/l	96

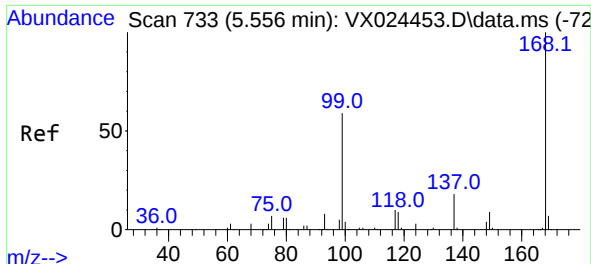
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Oct 08 16:31:15 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

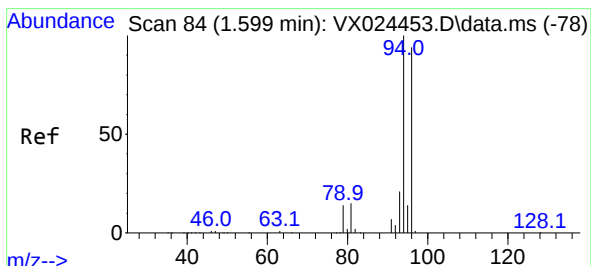
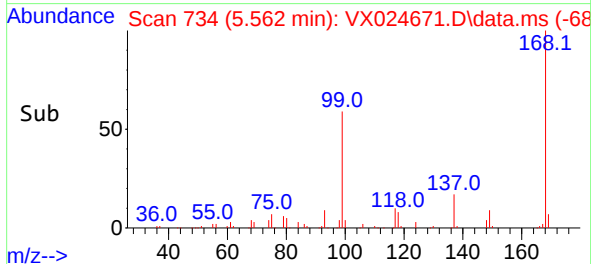
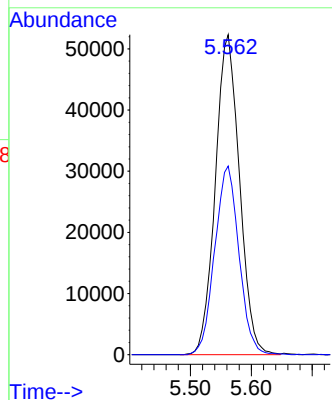
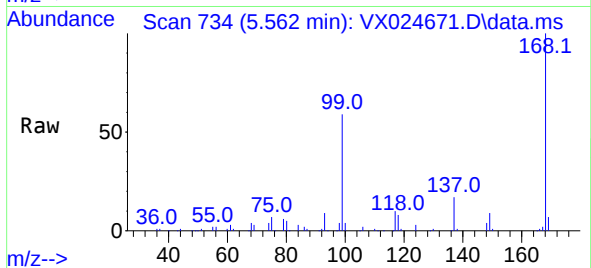




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024671.D
Acq: 08 Oct 2021 15:36

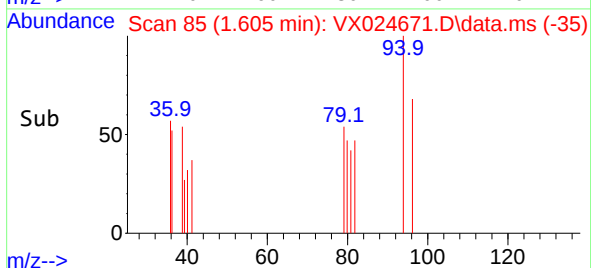
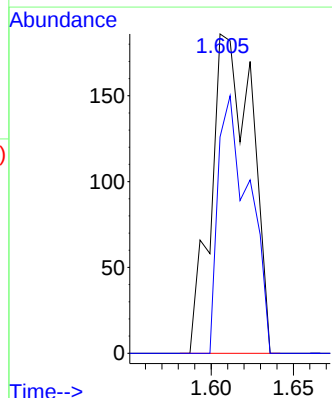
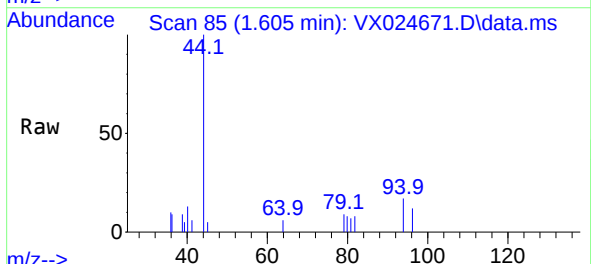
Instrument :
MSVOA_X
ClientSampled :

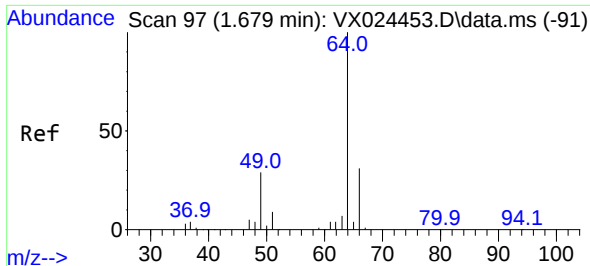
Tgt Ion:168 Resp: 144046
Ion Ratio Lower Upper
168 100
99 58.9 45.8 68.6



#5
Bromomethane
Concen: 0.331 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX024671.D
Acq: 08 Oct 2021 15:36

Tgt Ion: 94 Resp: 318
Ion Ratio Lower Upper
94 100
96 67.7 76.4 114.6#

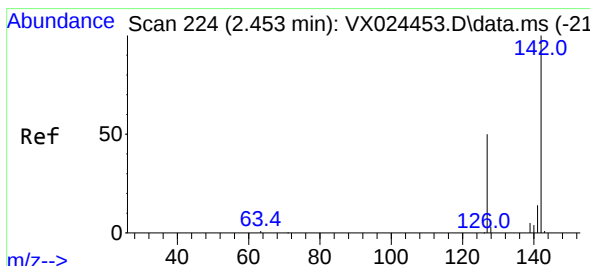
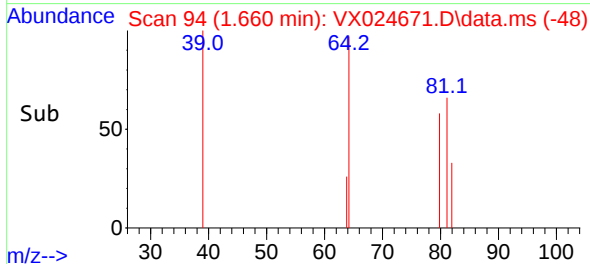
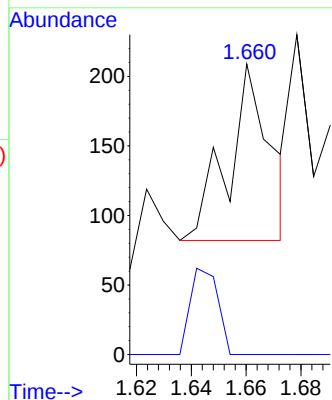
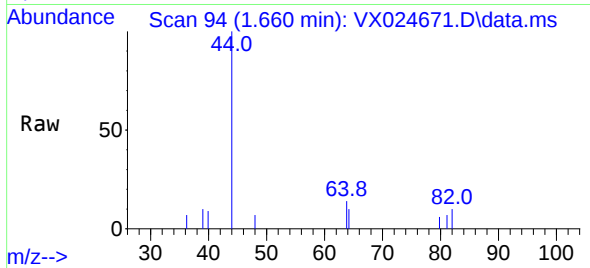




#6
Chloroethane
Concen: 0.398 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.019 min
Lab File: VX024671.D
Acq: 08 Oct 2021 15:36

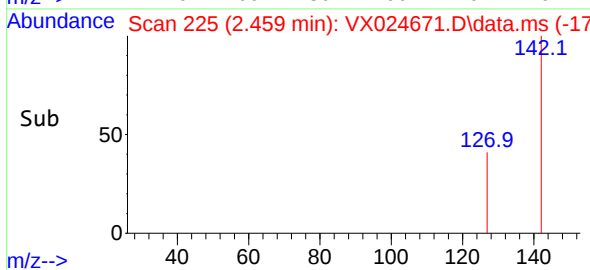
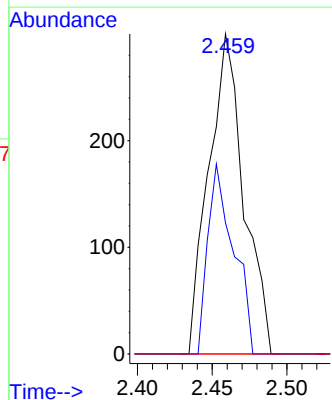
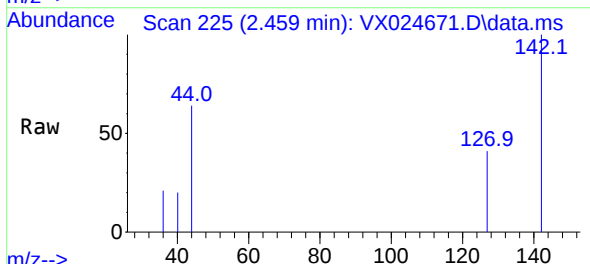
Instrument :
MSVOA_X
ClientSampled :

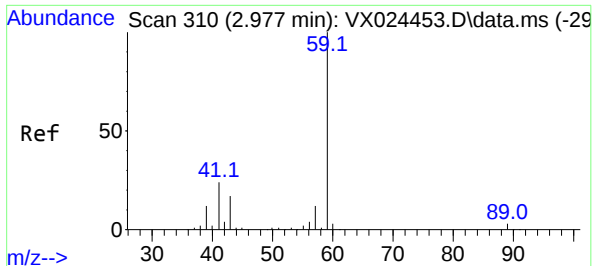
Tgt Ion: 64 Resp: 134
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.246 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX024671.D
Acq: 08 Oct 2021 15:36

Tgt Ion:142 Resp: 489
Ion Ratio Lower Upper
142 100
127 43.6 33.3 49.9
141 0.0 11.4 17.0#



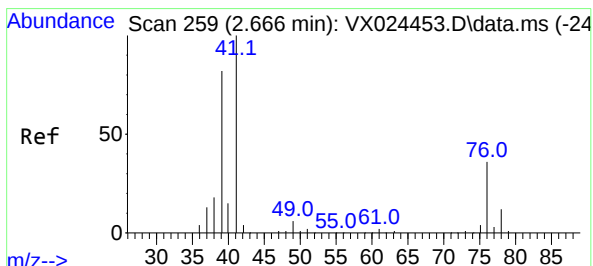
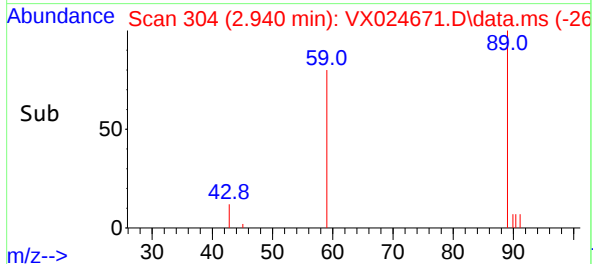
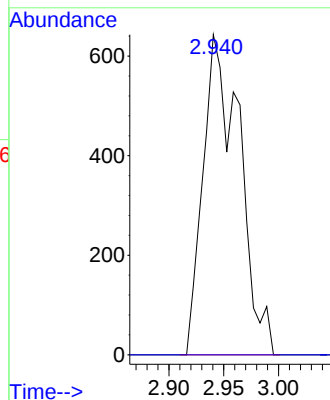
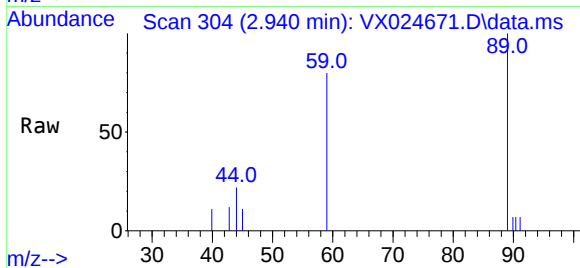


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX024671.D
Acq: 08 Oct 2021 15:36

Instrument :
MSVOA_X
ClientSampled :

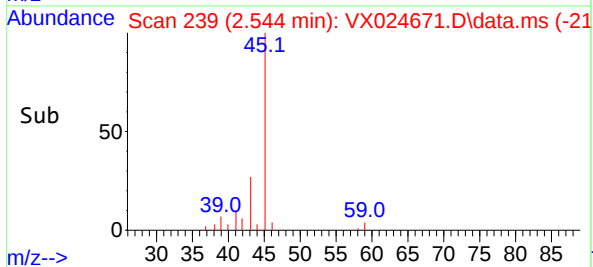
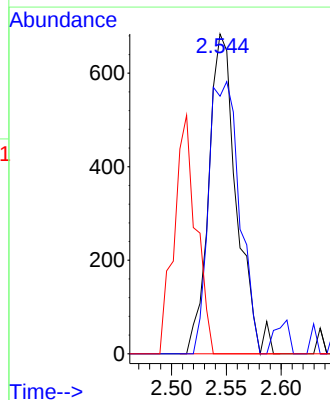
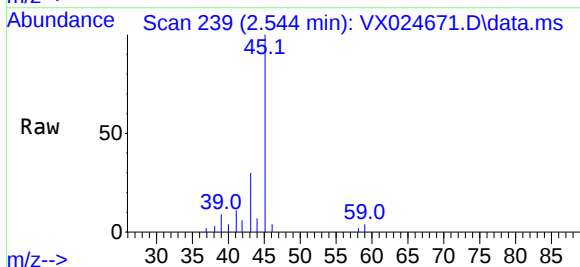
Tgt Ion: 59 Resp: 1485
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

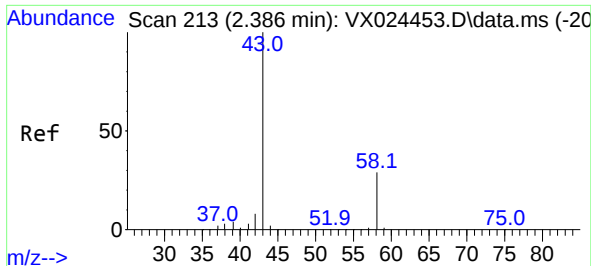


#14

Allyl chloride
Concen: 0.501 ug/l
RT: 2.544 min Scan# 239
Delta R.T. -0.122 min
Lab File: VX024671.D
Acq: 08 Oct 2021 15:36

Tgt Ion: 41 Resp: 1209
Ion Ratio Lower Upper
41 100
39 94.6 51.6 77.4#
76 0.0 30.5 45.7#

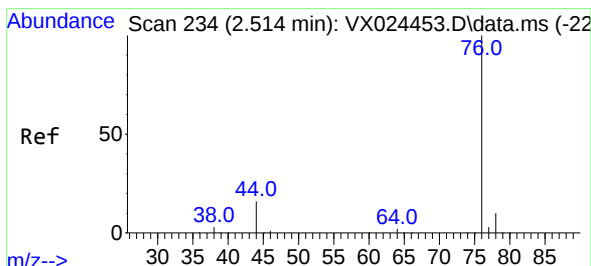
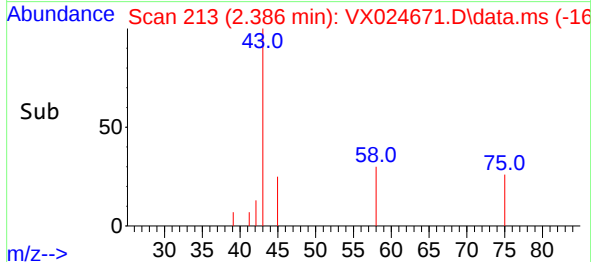
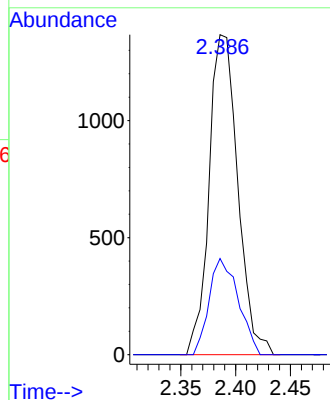
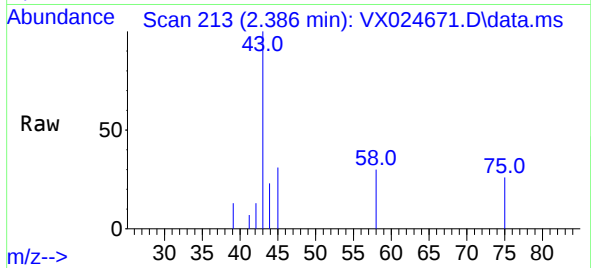




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024671.D
Acq: 08 Oct 2021 15:36

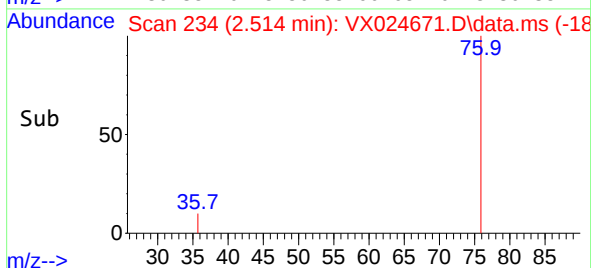
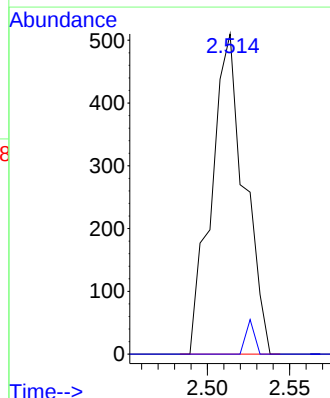
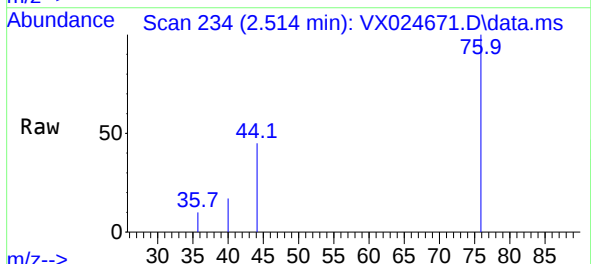
Instrument :
MSVOA_X
ClientSampled :

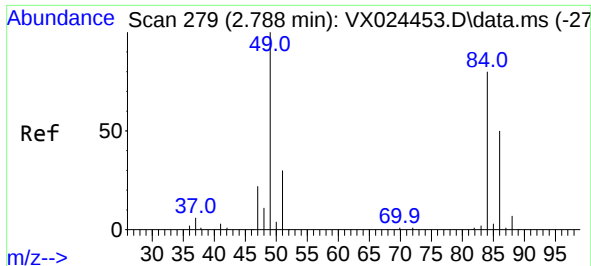
Tgt Ion: 43 Resp: 2489
Ion Ratio Lower Upper
43 100
58 30.1 27.8 41.8



#17
Carbon Disulfide
Concen: 0.436 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024671.D
Acq: 08 Oct 2021 15:36

Tgt Ion: 76 Resp: 712
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX024671.D

Acq: 08 Oct 2021 15:36

Tgt Ion: 84 Resp: 736

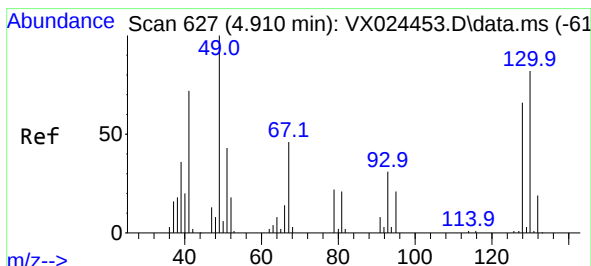
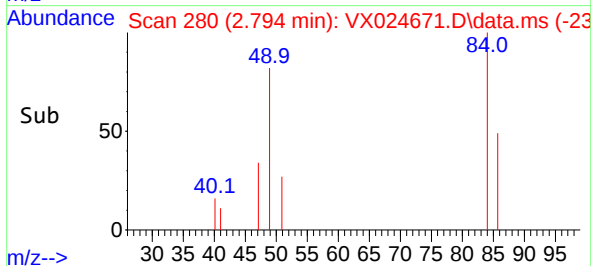
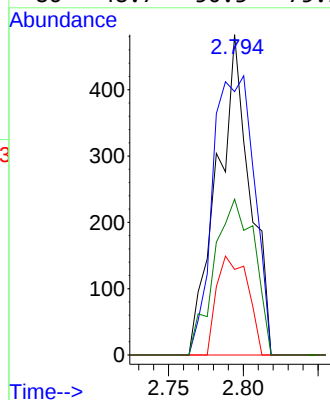
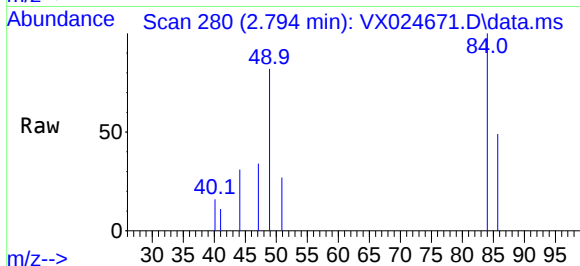
Ion Ratio Lower Upper

84 100

49 82.2 88.6 132.8#

51 26.7 27.0 40.6#

86 48.7 50.3 75.5#



#28

Bromochloromethane

Concen: 0.228 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.189 min

Lab File: VX024671.D

Acq: 08 Oct 2021 15:36

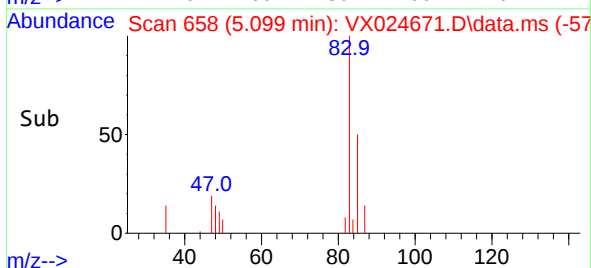
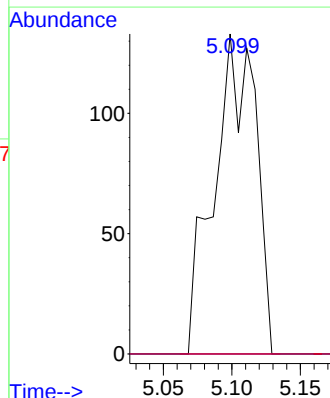
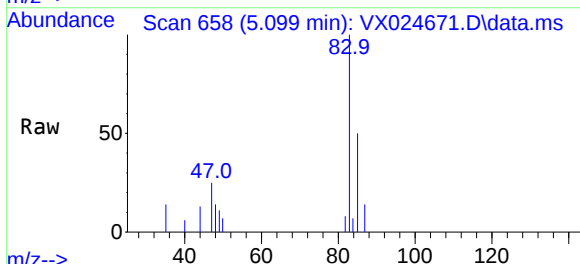
Tgt Ion: 49 Resp: 283

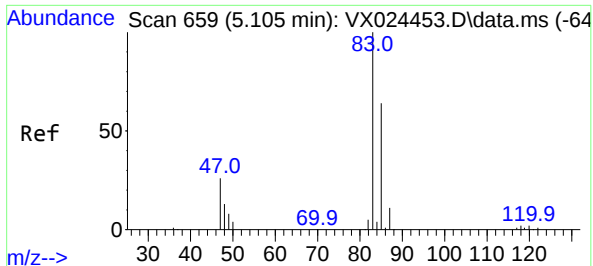
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

130 0.0 68.2 102.2#





#30

Chloroform

Concen: 1.261 ug/l

RT: 5.099 min Scan# 658

Delta R.T. -0.006 min

Lab File: VX024671.D

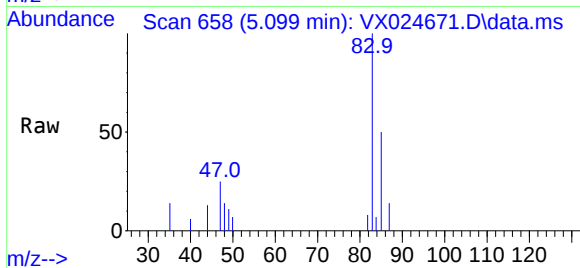
Acq: 08 Oct 2021 15:36

Tgt Ion: 83 Resp: 3813

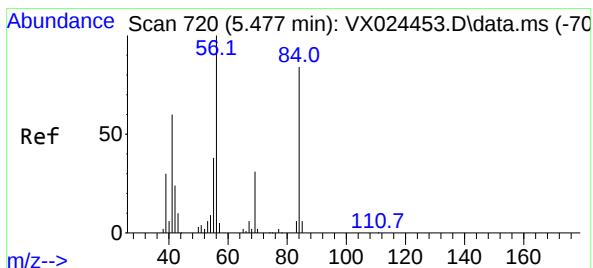
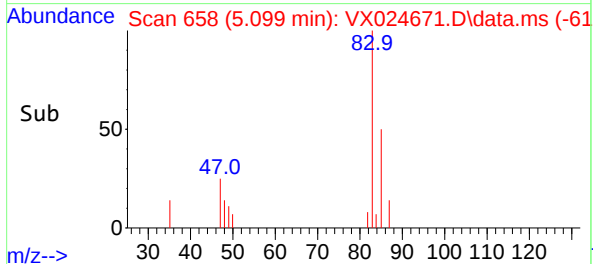
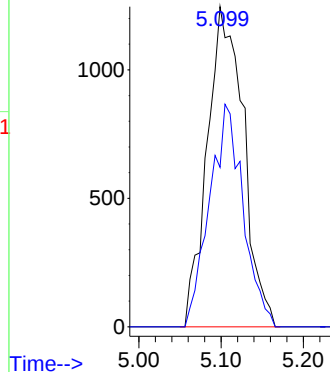
Ion Ratio Lower Upper

83 100

85 49.8 52.0 78.0#



Abundance



#31

Cyclohexane

Concen: 1.327 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX024671.D

Acq: 08 Oct 2021 15:36

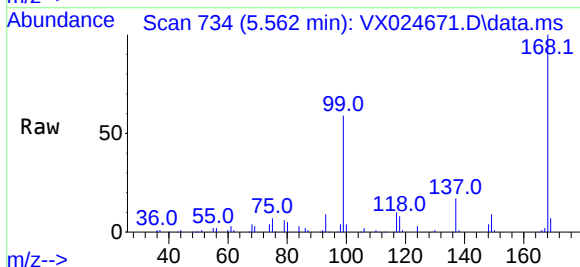
Tgt Ion: 56 Resp: 3225

Ion Ratio Lower Upper

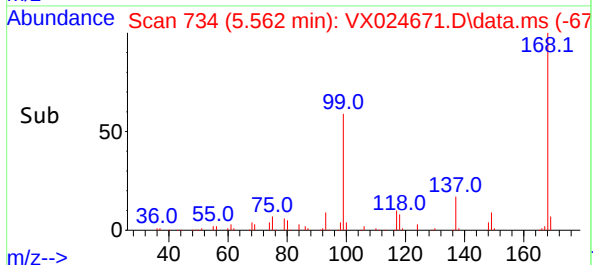
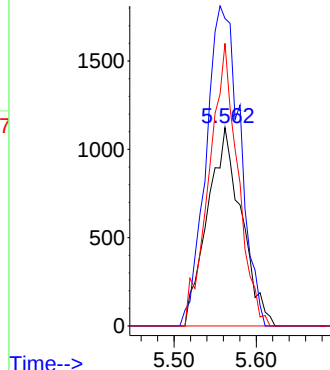
56 100

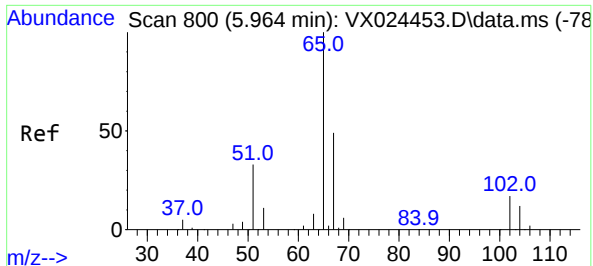
69 154.9 25.3 37.9#

84 142.3 71.4 107.0#



Abundance



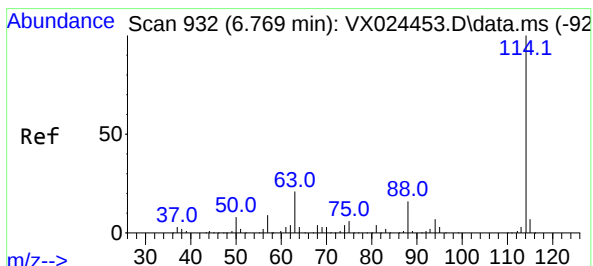
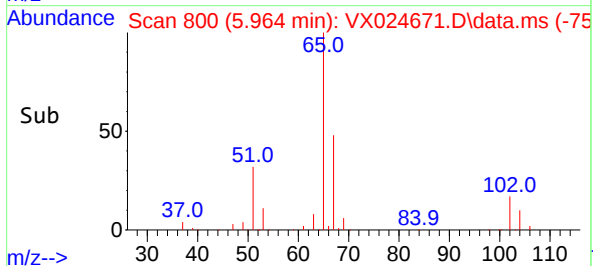
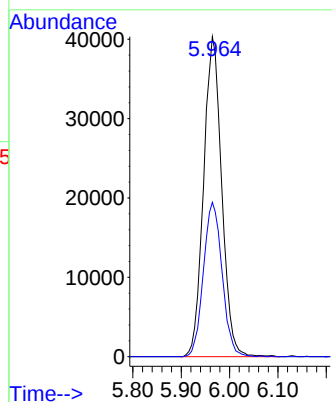
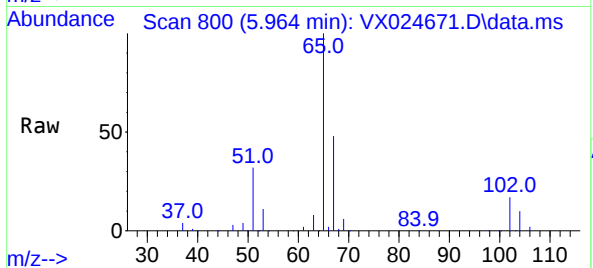


#33

1,2-Dichloroethane-d4
Concen: 51.730 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024671.D
Acq: 08 Oct 2021 15:36

Instrument :
MSVOA_X
ClientSampleId :

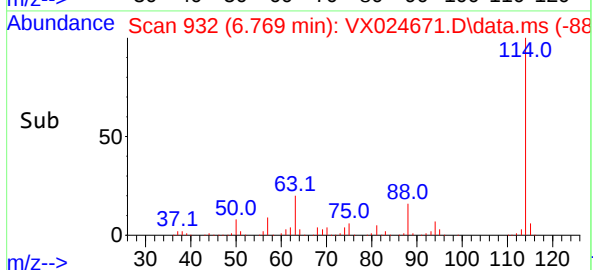
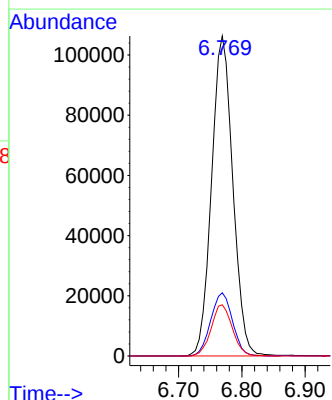
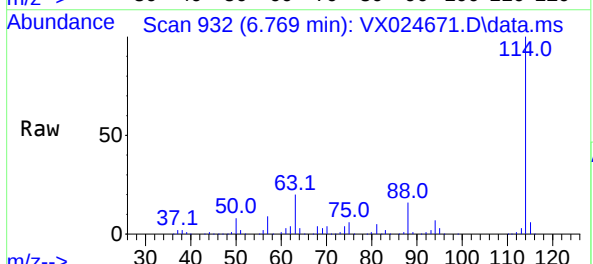
Tgt Ion: 65 Resp: 105019
Ion Ratio Lower Upper
65 100
67 49.6 0.0 105.4

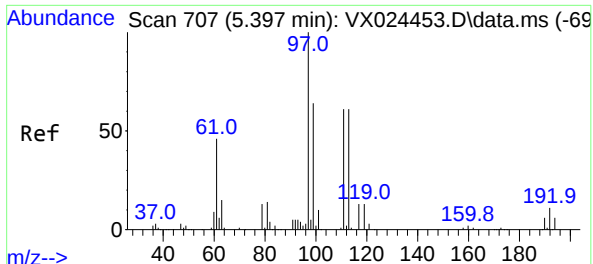


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024671.D
Acq: 08 Oct 2021 15:36

Tgt Ion: 114 Resp: 247938
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.8
88 16.0 0.0 32.8

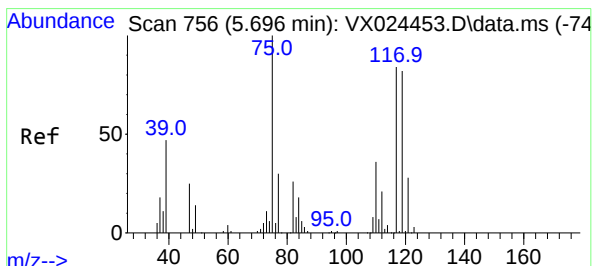
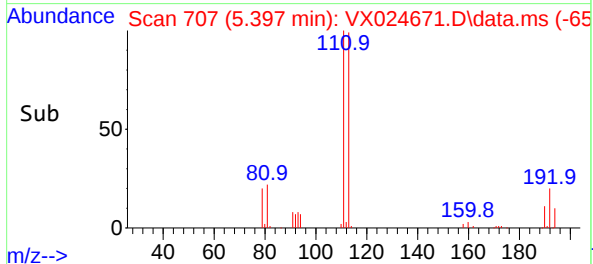
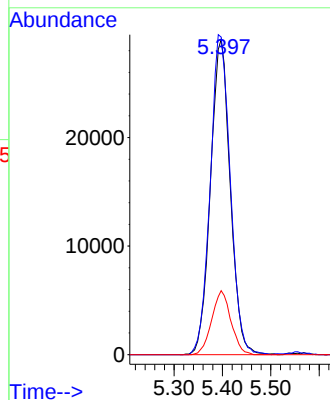
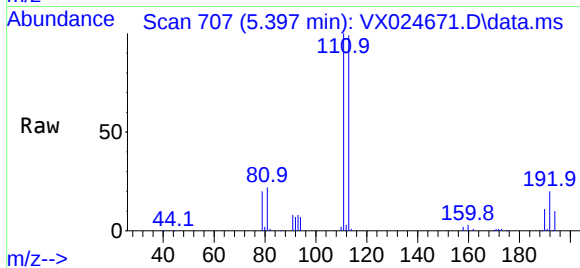




#35
Dibromofluoromethane
Concen: 49.861 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024671.D
Acq: 08 Oct 2021 15:36

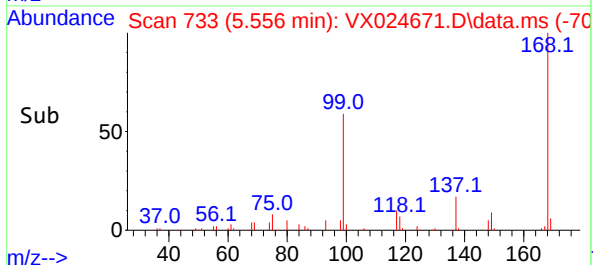
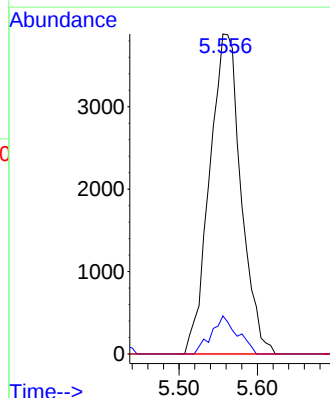
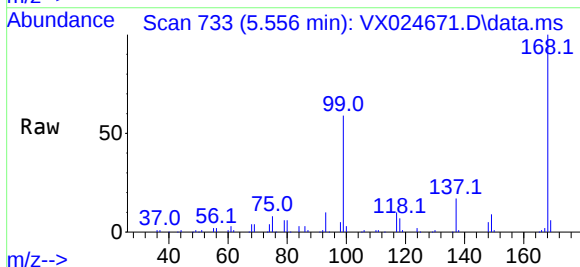
Instrument :
MSVOA_X
ClientSampled :

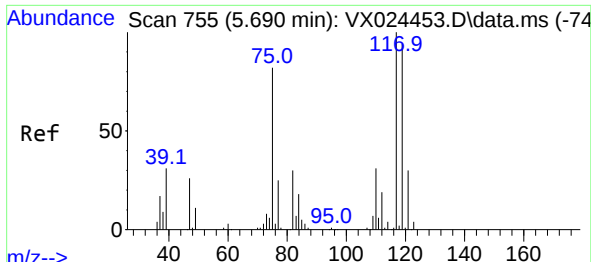
Tgt Ion:113 Resp: 82127
Ion Ratio Lower Upper
113 100
111 103.2 81.9 122.9
192 19.8 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.554 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX024671.D
Acq: 08 Oct 2021 15:36

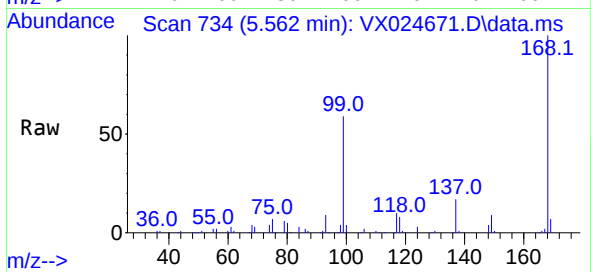
Tgt Ion: 75 Resp: 10824
Ion Ratio Lower Upper
75 100
110 9.8 18.1 54.4#
77 0.0 25.3 37.9#



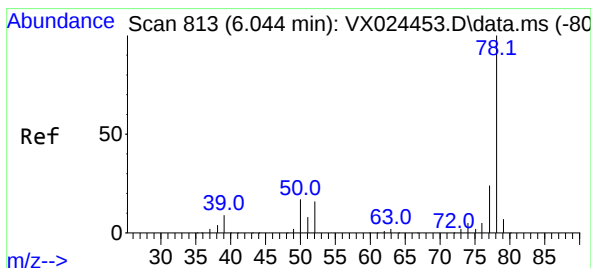
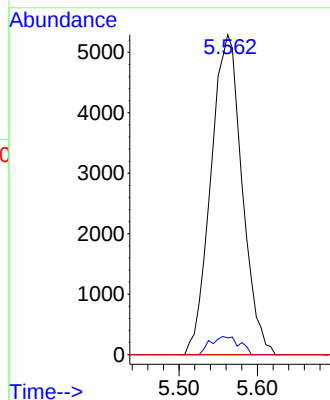
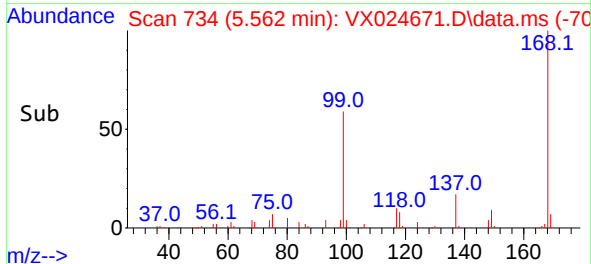


#38
Carbon Tetrachloride
Concen: 5.665 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024671.D
Acq: 08 Oct 2021 15:36

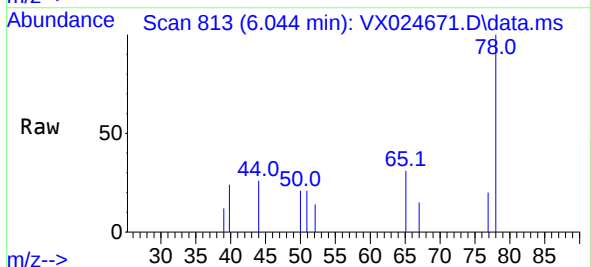
Instrument :
MSVOA_X
ClientSampleId :



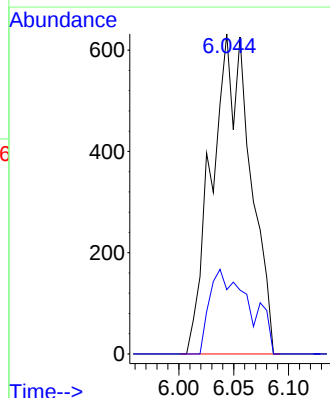
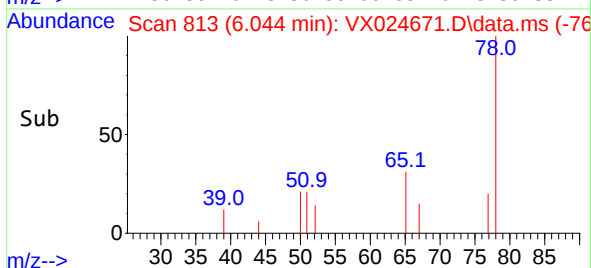
Tgt Ion:117 Resp: 14658
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.2#
121 0.0 24.8 37.2#

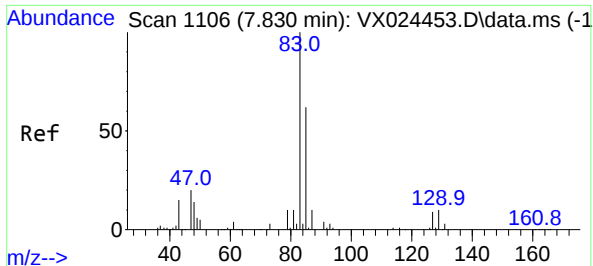


#40
Benzene
Concen: 0.228 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX024671.D
Acq: 08 Oct 2021 15:36



Tgt Ion: 78 Resp: 1551
Ion Ratio Lower Upper
78 100
77 20.1 18.9 28.3

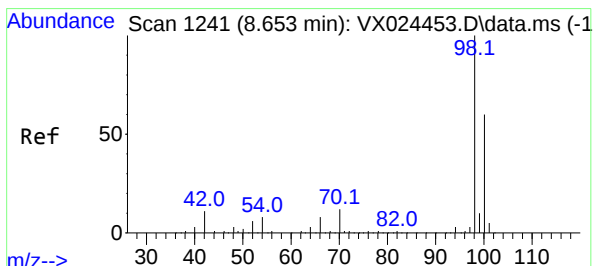
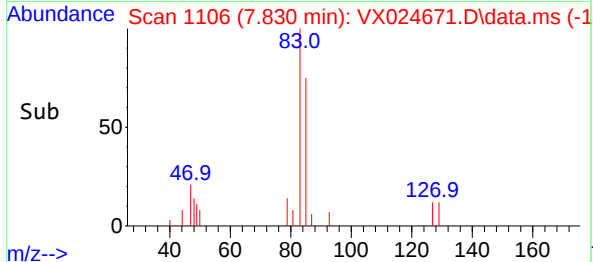
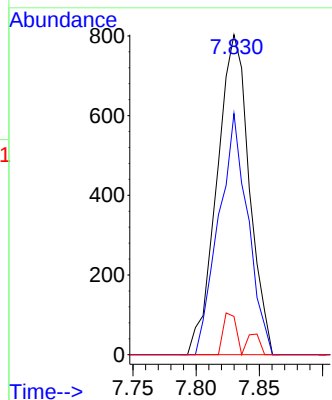
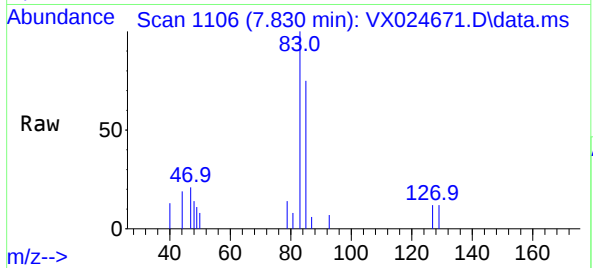




#47
Bromodichloromethane
Concen: 0.593 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. -0.000 min
Lab File: VX024671.D
Acq: 08 Oct 2021 15:36

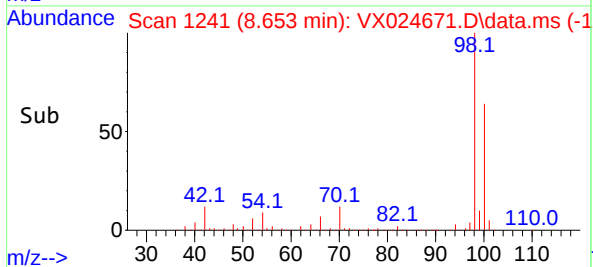
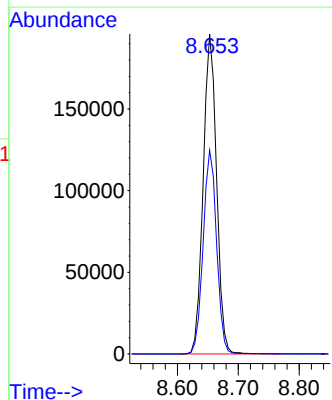
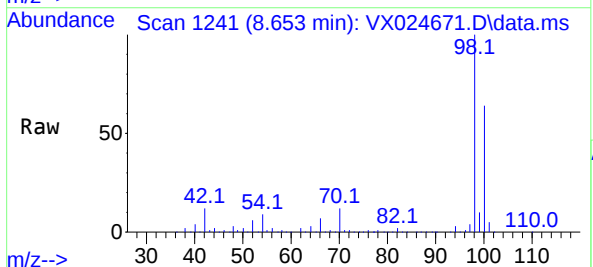
Instrument :
MSVOA_X
ClientSampled :

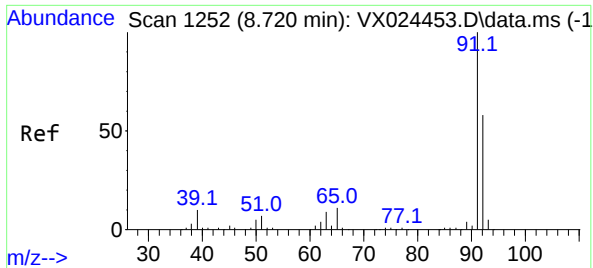
Tgt Ion: 83 Resp: 1428
Ion Ratio Lower Upper
83 100
85 75.3 51.4 77.0
127 12.0 6.8 10.2#



#50
Toluene-d8
Concen: 49.453 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024671.D
Acq: 08 Oct 2021 15:36

Tgt Ion: 98 Resp: 299795
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9

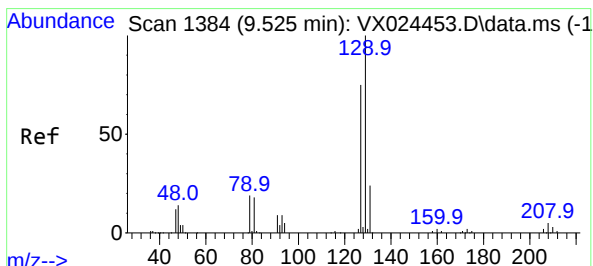
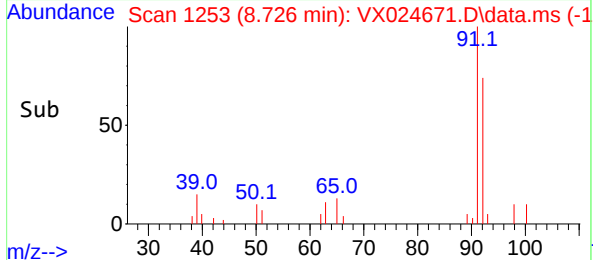
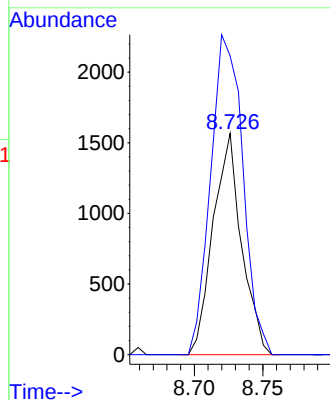
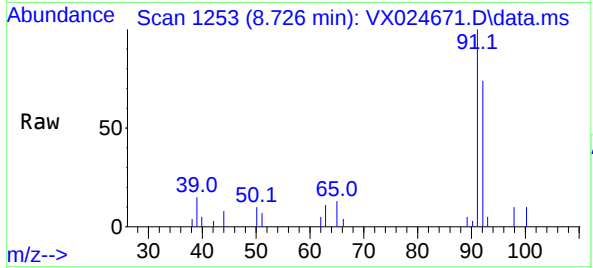




#52
Toluene
Concen: 0.516 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX024671.D
Acq: 08 Oct 2021 15:36

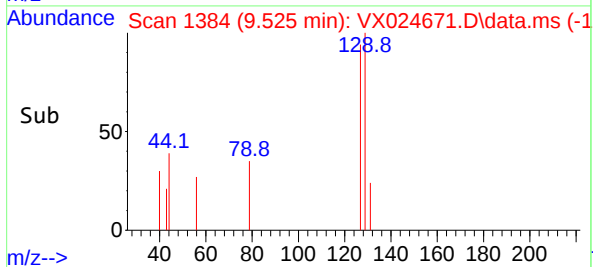
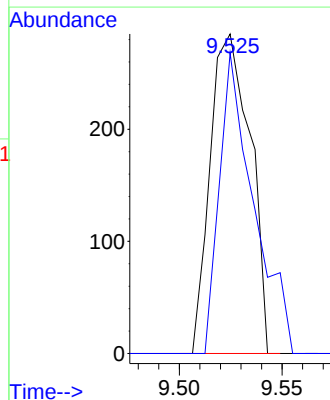
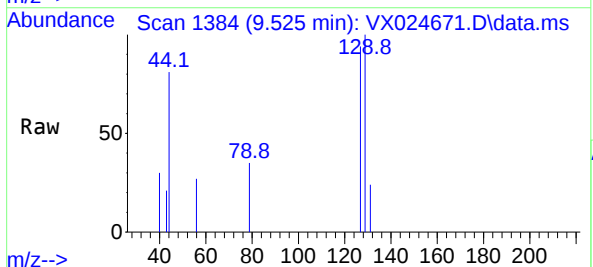
Instrument :
MSVOA_X
ClientSampled :

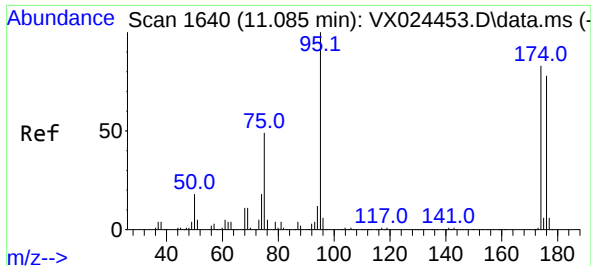
Tgt Ion: 92 Resp: 2264
Ion Ratio Lower Upper
92 100
91 163.5 137.1 205.7



#60
Dibromochloromethane
Concen: 1.370 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VX024671.D
Acq: 08 Oct 2021 15:36

Tgt Ion: 129 Resp: 386
Ion Ratio Lower Upper
129 100
127 80.6 38.4 115.2

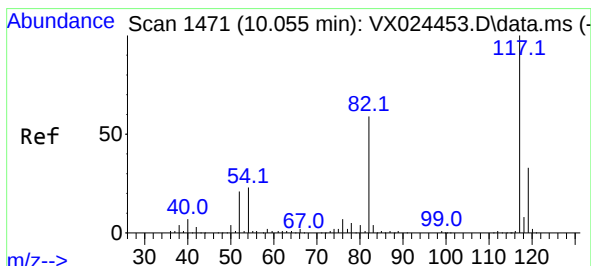
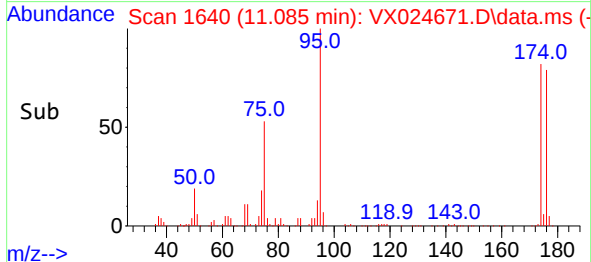
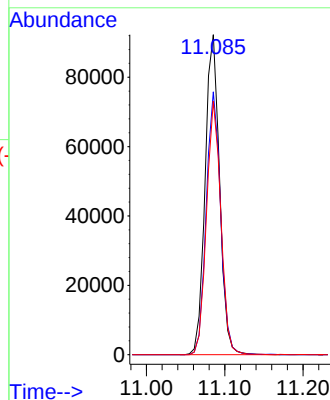
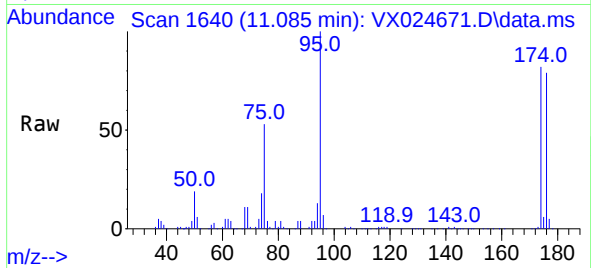




#62
4-Bromofluorobenzene
Concen: 49.405 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024671.D
Acq: 08 Oct 2021 15:36

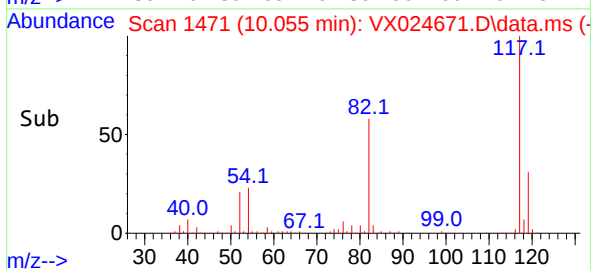
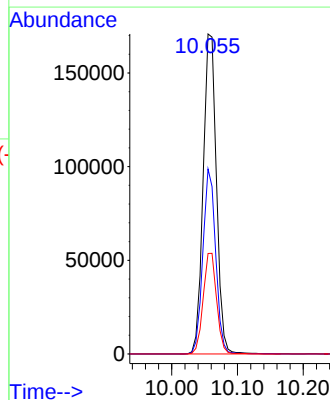
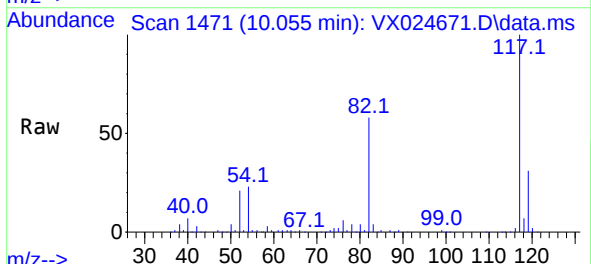
Instrument :
MSVOA_X
ClientSampleId :

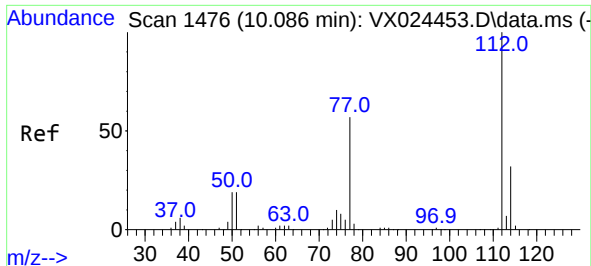
Tgt Ion: 95 Resp: 117761
Ion Ratio Lower Upper
95 100
174 81.7 0.0 154.6
176 78.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024671.D
Acq: 08 Oct 2021 15:36

Tgt Ion: 117 Resp: 239685
Ion Ratio Lower Upper
117 100
82 57.8 47.4 71.2
119 31.4 26.6 39.8

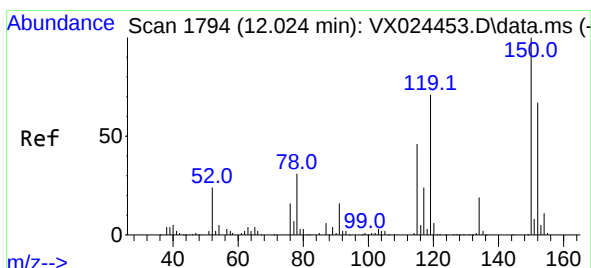
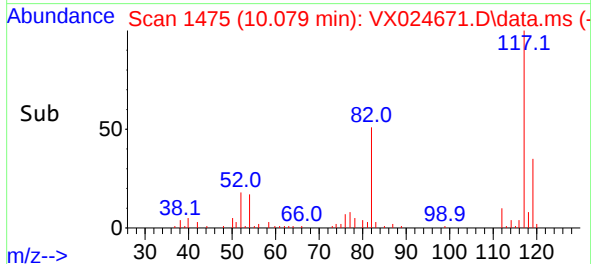
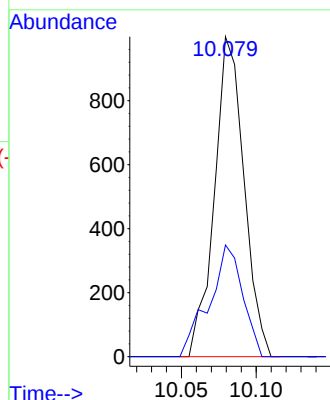
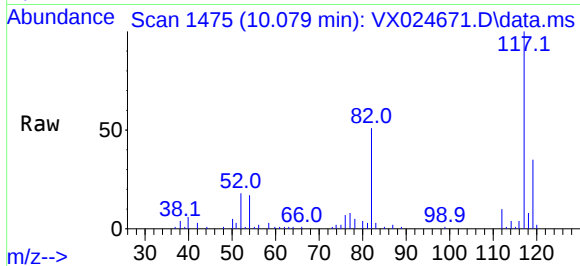




#65
Chlorobenzene
Concen: 0.275 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.007 min
Lab File: VX024671.D
Acq: 08 Oct 2021 15:36

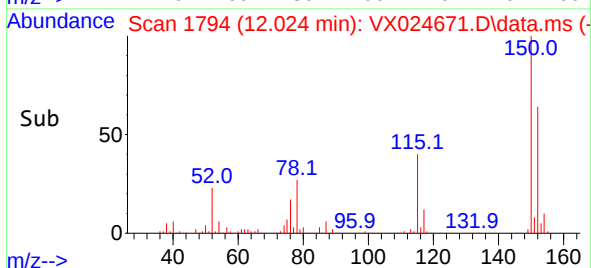
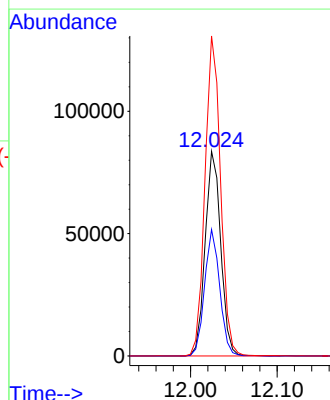
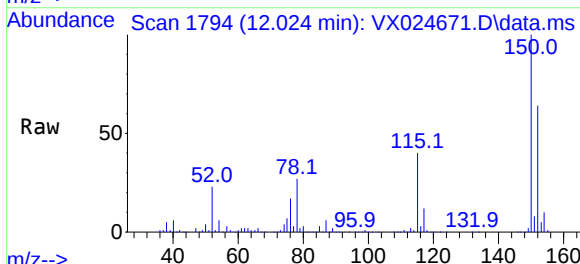
Instrument :
MSVOA_X
ClientSampled :

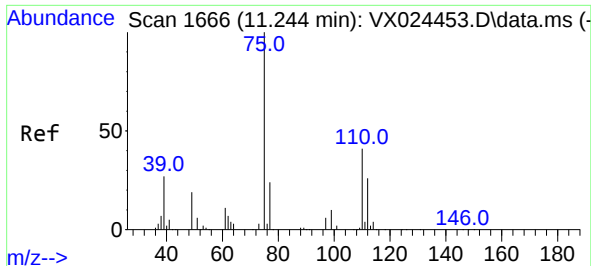
Tgt Ion:112 Resp: 1375
Ion Ratio Lower Upper
112 100
114 34.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024671.D
Acq: 08 Oct 2021 15:36

Tgt Ion:152 Resp: 104315
Ion Ratio Lower Upper
152 100
115 60.1 41.1 123.3
150 156.5 0.0 349.0

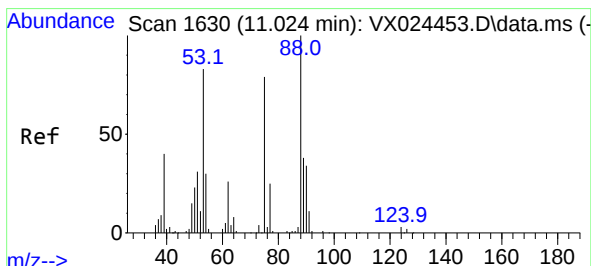
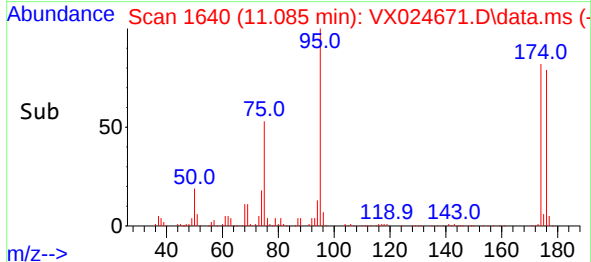
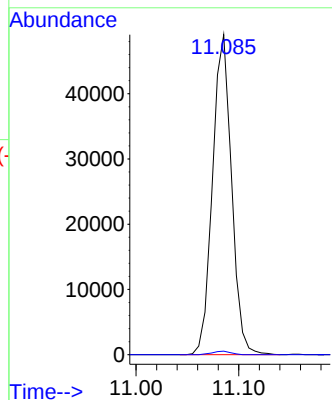
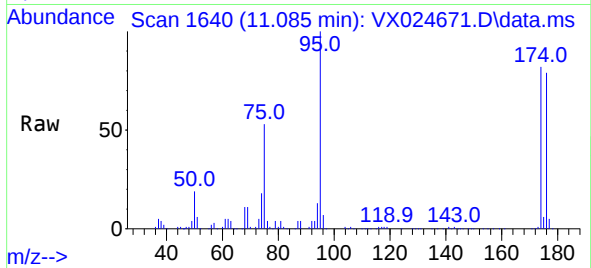




#76
1,2,3-Trichloropropane
Concen: 26.591 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024671.D
Acq: 08 Oct 2021 15:36

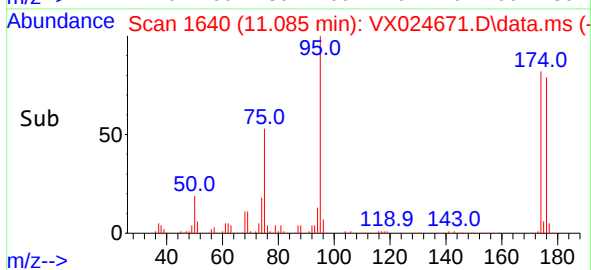
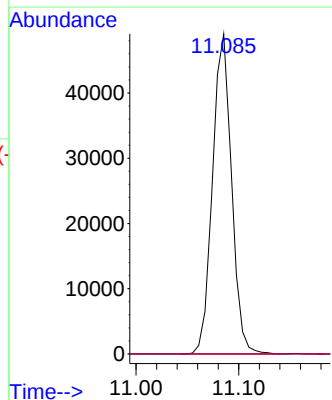
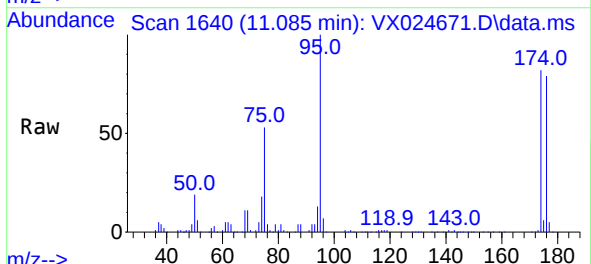
Instrument :
MSVOA_X
ClientSampled :

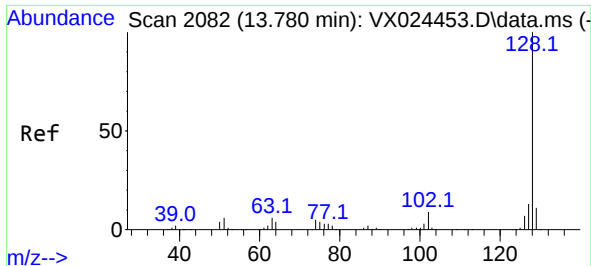
Tgt Ion: 75 Resp: 62992
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.389 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024671.D
Acq: 08 Oct 2021 15:36

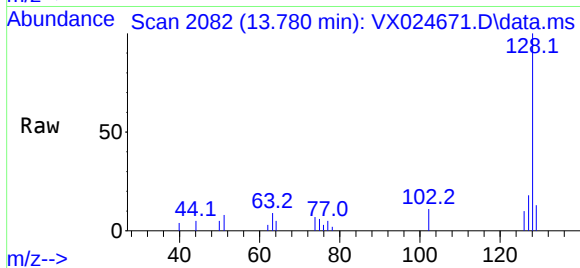
Tgt Ion: 75 Resp: 62992
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 0.484 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX024671.D
Acq: 08 Oct 2021 15:36

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	3526
Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.3	15.5
129	12.0	8.8	13.2

