

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100821\
 Data File : VX024691.D
 Acq On : 09 Oct 2021 00:35
 Operator : JC/MD
 Sample : M4096-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 11 06:37:28 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)

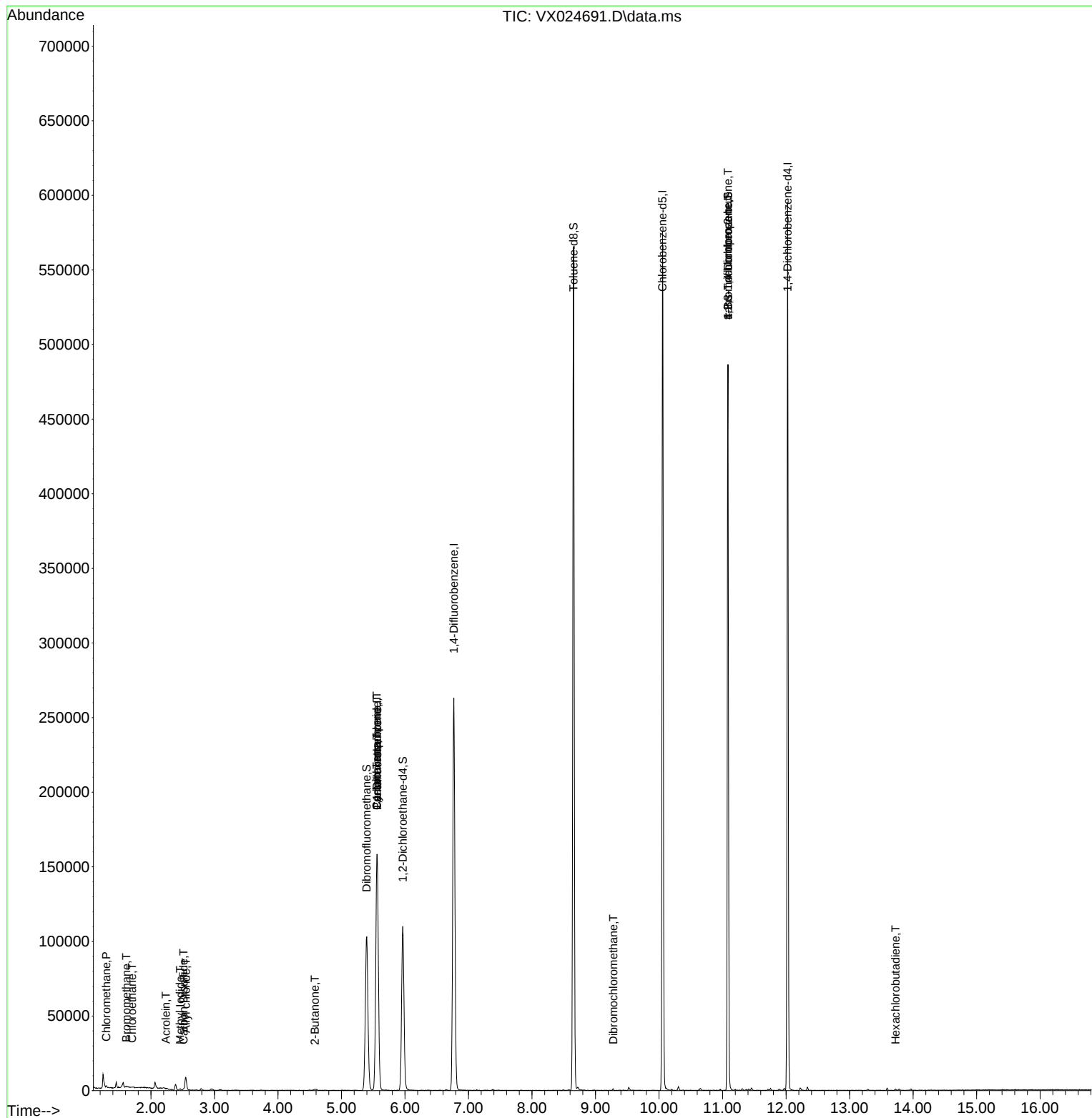
Internal Standards						
1) Pentafluorobenzene	5.562	168	150206	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	259810	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	256217	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115419	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	109643	51.792	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.580%	
35) Dibromofluoromethane	5.397	113	86905	50.351	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.700%	
50) Toluene-d8	8.653	98	318908	50.202	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.400%	
62) 4-Bromofluorobenzene	11.085	95	120398	48.204	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.400%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	570	0.400	ug/l #	72
5) Bromomethane	1.612	94	477	0.476	ug/l #	78
6) Chloroethane	1.703	64	147	0.406	ug/l	91
10) Methyl Iodide	2.459	142	1112	0.536	ug/l #	93
11) Tert butyl alcohol	2.959	59	915	Below Cal	#	73
13) Acrolein	2.233	56	27	10.284	ug/l #	1
14) Allyl chloride	2.550	41	982	0.390	ug/l #	55
16) Acetone	2.386	43	4058	Below Cal		89
17) Carbon Disulfide	2.514	76	1208	0.566	ug/l #	95
20) Methylene Chloride	2.794	84	548	Below Cal	#	87
25) 2-Butanone	4.581	43	413	0.283	ug/l #	45
31) Cyclohexane	5.556	56	3273	1.291	ug/l #	4
36) 1,1-Dichloropropene	5.556	75	11845	4.756	ug/l #	50
38) Carbon Tetrachloride	5.556	117	15783	5.821	ug/l #	16
60) Dibromochloromethane	9.281	129	183	1.270	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	65740	25.081	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	65740	68.389	ug/l #	12
94) Hexachlorobutadiene	13.725	225	273	0.237	ug/l #	67

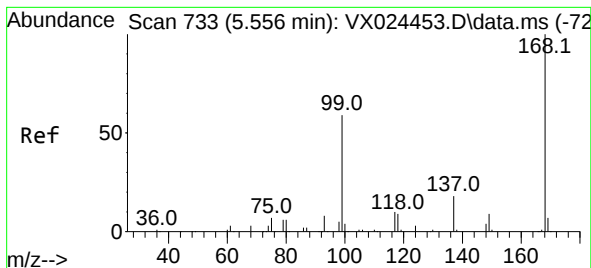
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX024691.D

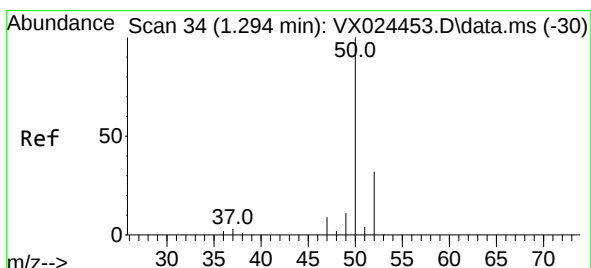
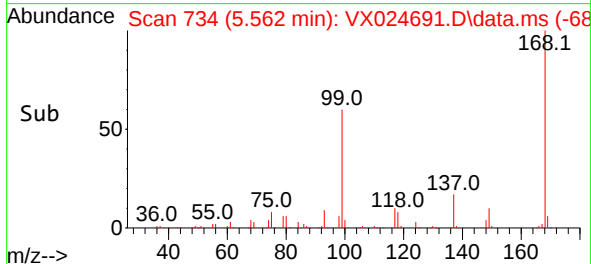
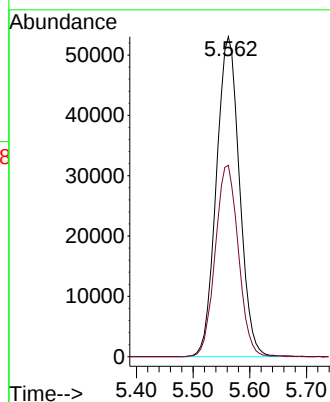
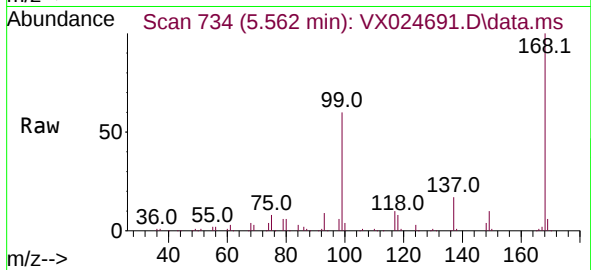
Acq: 09 Oct 2021 00:35

Tgt Ion:168 Resp: 150206

Ion Ratio Lower Upper

168 100

99 59.8 45.8 68.6



#3

Chloromethane

Concen: 0.400 ug/l

RT: 1.295 min Scan# 34

Delta R.T. 0.001 min

Lab File: VX024691.D

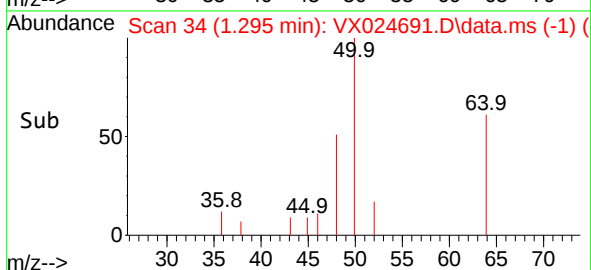
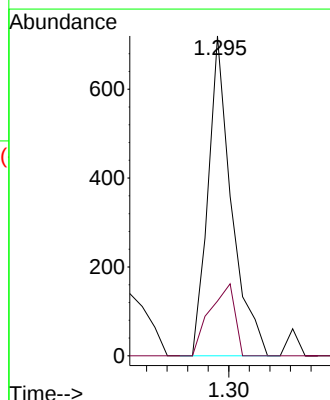
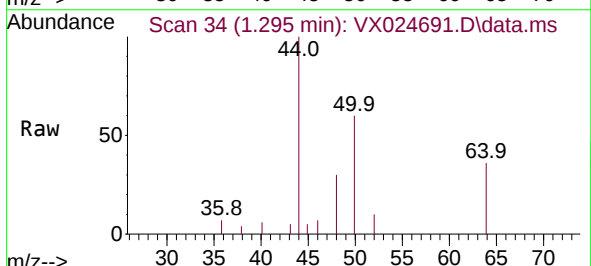
Acq: 09 Oct 2021 00:35

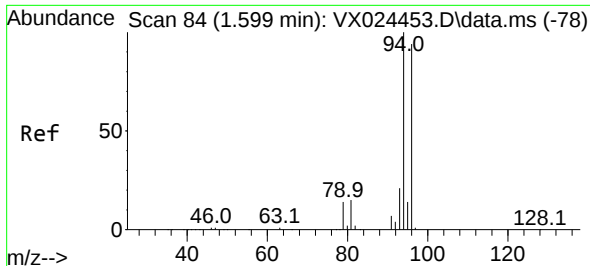
Tgt Ion: 50 Resp: 570

Ion Ratio Lower Upper

50 100

52 17.1 26.4 39.6#

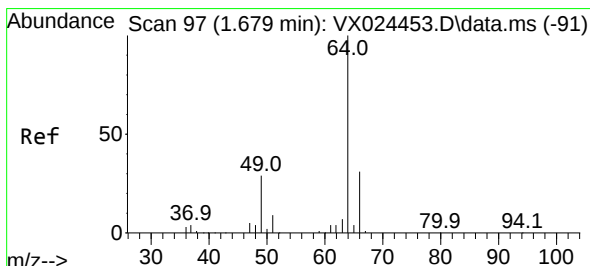
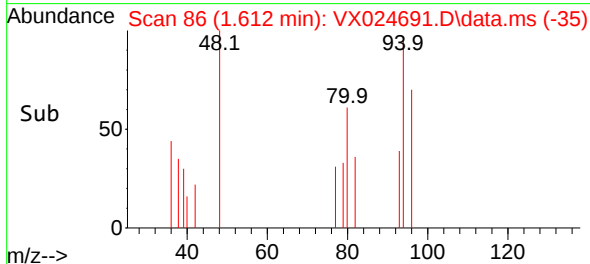
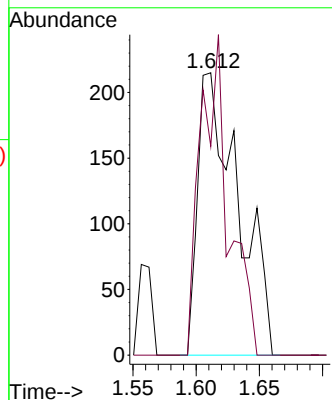
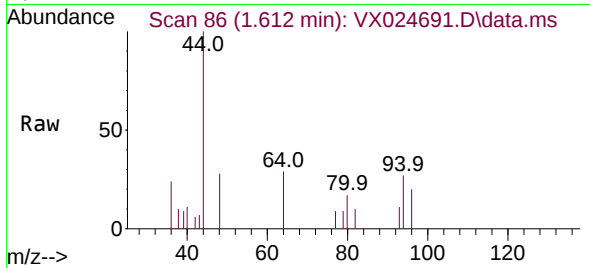




#5
Bromomethane
Concen: 0.476 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX024691.D
Acq: 09 Oct 2021 00:35

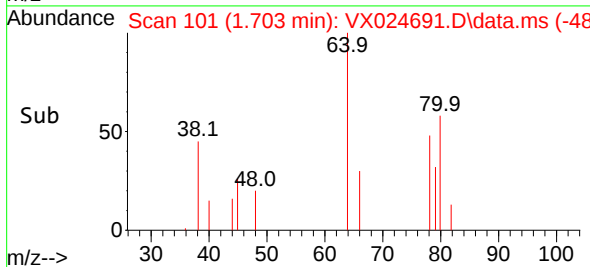
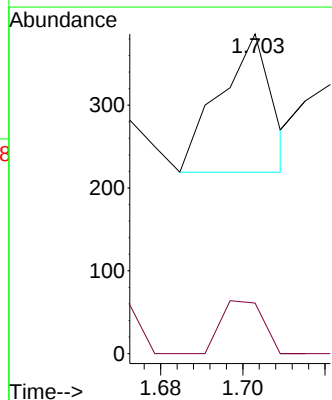
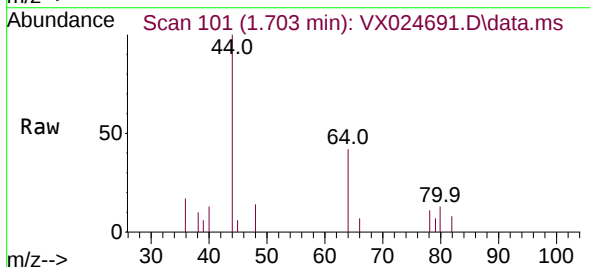
Instrument :
MSVOA_X
ClientSampled :

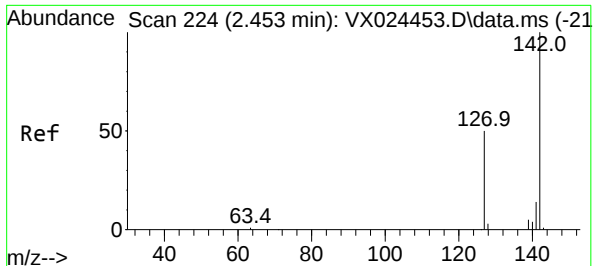
Tgt Ion: 94 Resp: 477
Ion Ratio Lower Upper
94 100
96 74.0 76.4 114.6#



#6
Chloroethane
Concen: 0.406 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.024 min
Lab File: VX024691.D
Acq: 09 Oct 2021 00:35

Tgt Ion: 64 Resp: 147
Ion Ratio Lower Upper
64 100
66 36.5 25.4 38.0





#10

Methyl Iodide

Concen: 0.536 ug/l

RT: 2.459 min Scan# 225

Delta R.T. 0.006 min

Lab File: VX024691.D

Acq: 09 Oct 2021 00:35

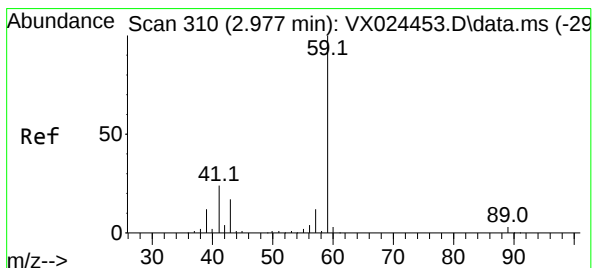
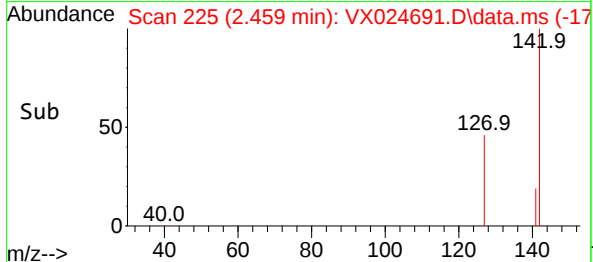
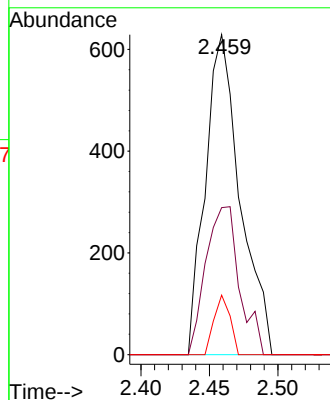
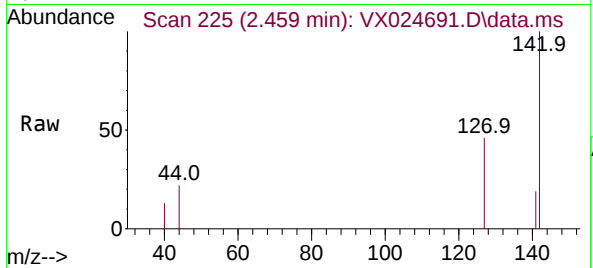
Tgt Ion:142 Resp: 1112

Ion Ratio Lower Upper

142 100

127 44.6 33.3 49.9

141 8.5 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: VX024691.D

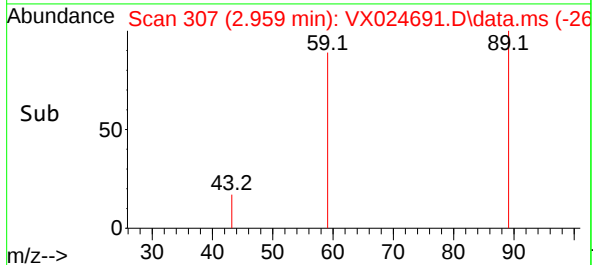
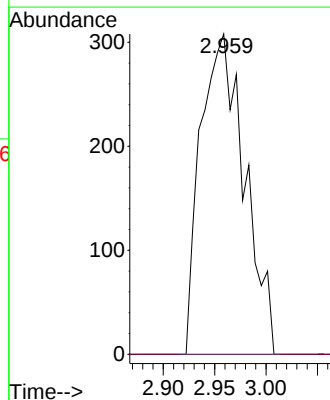
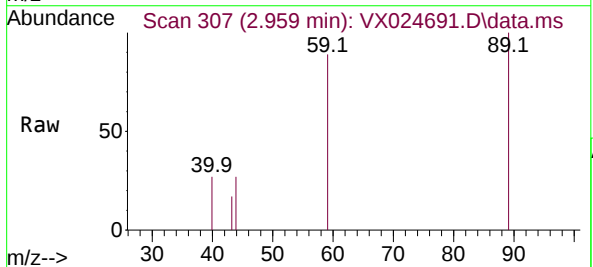
Acq: 09 Oct 2021 00:35

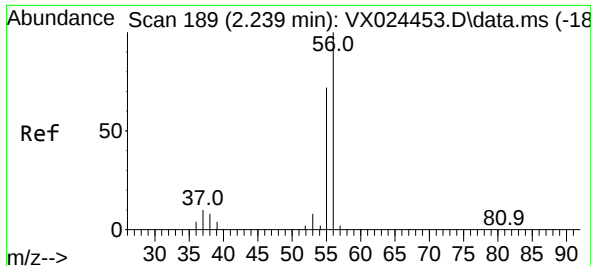
Tgt Ion: 59 Resp: 915

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

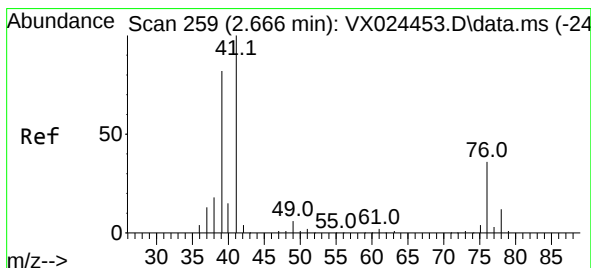
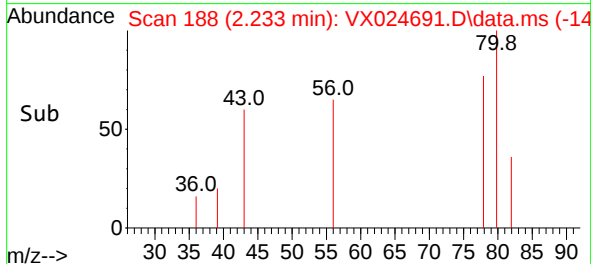
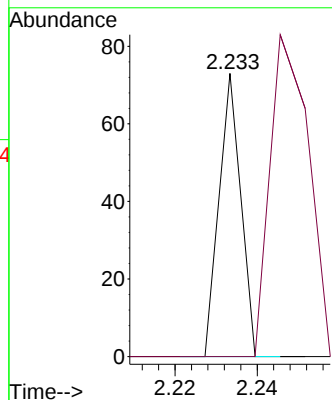
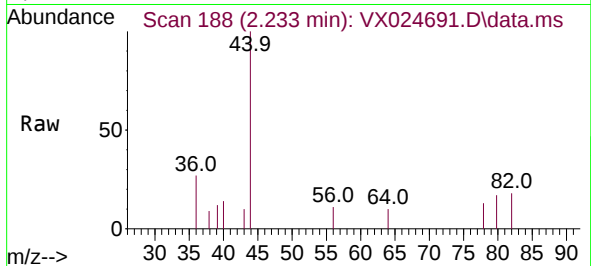




#13
Acrolein
Concen: 10.284 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX024691.D
Acq: 09 Oct 2021 00:35

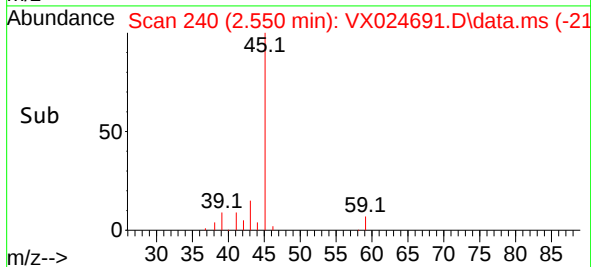
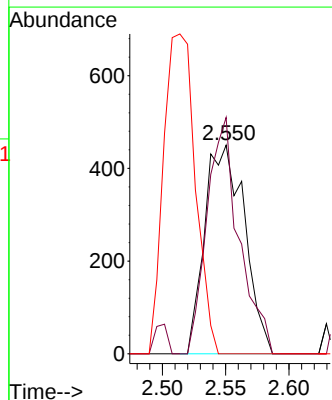
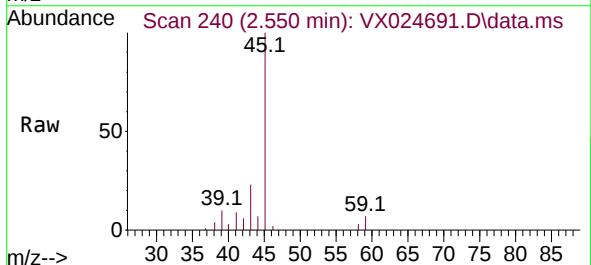
Instrument :
MSVOA_X
ClientSampled :

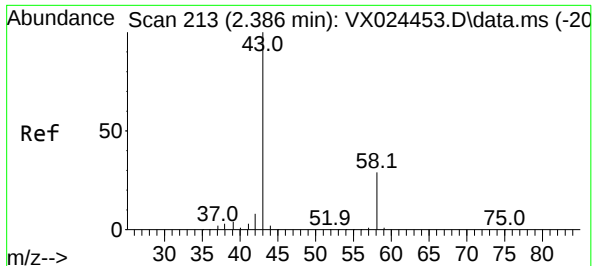
Tgt Ion: 56 Resp: 27
Ion Ratio Lower Upper
56 100
55 200.0 56.4 84.6#



#14
Allyl chloride
Concen: 0.390 ug/l
RT: 2.550 min Scan# 240
Delta R.T. -0.116 min
Lab File: VX024691.D
Acq: 09 Oct 2021 00:35

Tgt Ion: 41 Resp: 982
Ion Ratio Lower Upper
41 100
39 91.8 51.6 77.4#
76 0.0 30.5 45.7#

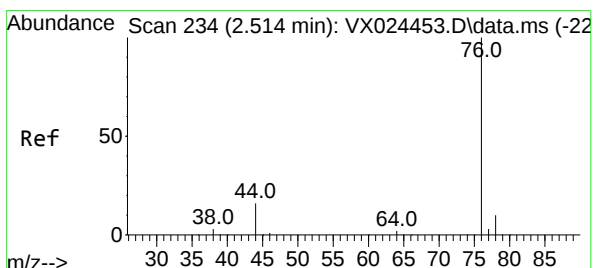
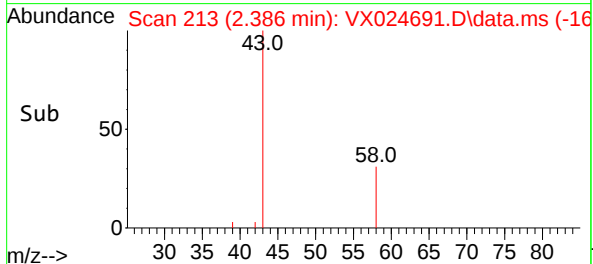
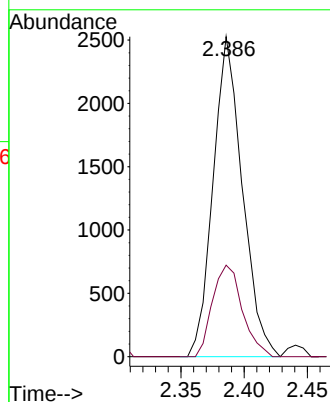
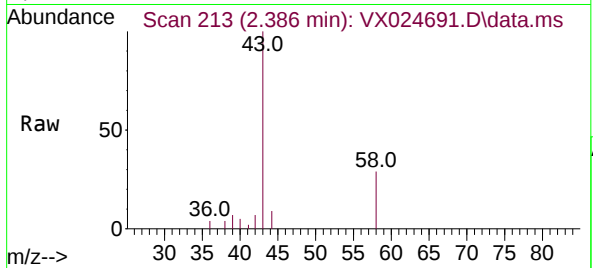




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024691.D
Acq: 09 Oct 2021 00:35

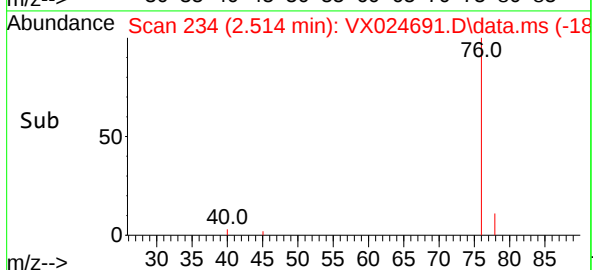
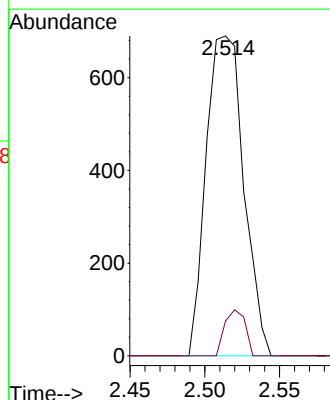
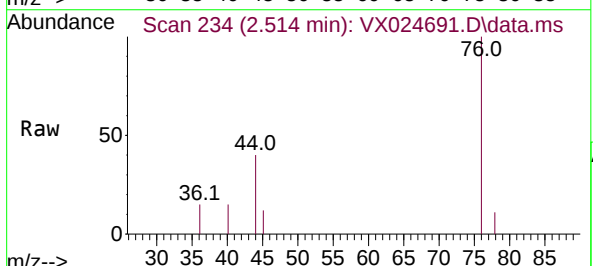
Instrument :
MSVOA_X
ClientSampled :

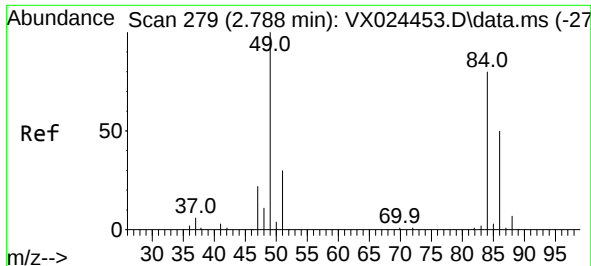
Tgt Ion: 43 Resp: 4058
Ion Ratio Lower Upper
43 100
58 28.6 27.8 41.8



#17
Carbon Disulfide
Concen: 0.566 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024691.D
Acq: 09 Oct 2021 00:35

Tgt Ion: 76 Resp: 1208
Ion Ratio Lower Upper
76 100
78 10.9 7.2 10.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

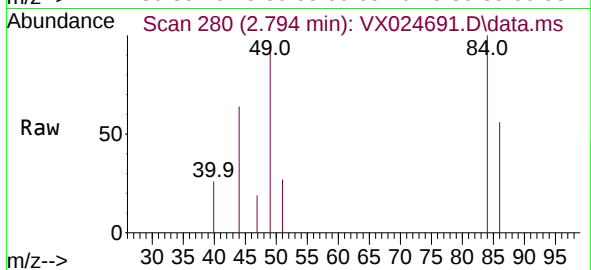
Lab File: VX024691.D

Acq: 09 Oct 2021 00:35

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 548

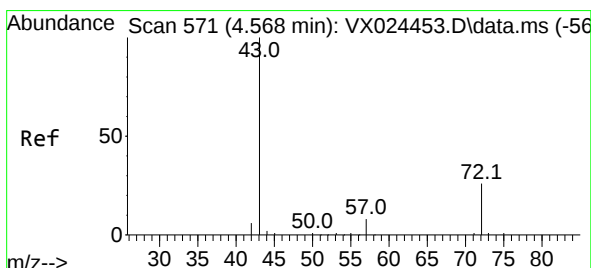
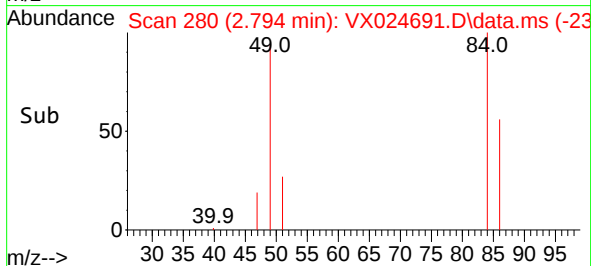
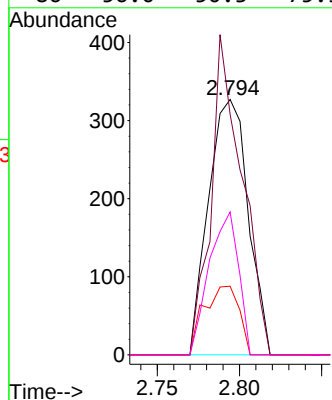
Ion Ratio Lower Upper

84 100

49 94.2 88.6 132.8

51 26.9 27.0 40.6#

86 56.0 50.3 75.5



#25

2-Butanone

Concen: 0.283 ug/l

RT: 4.581 min Scan# 573

Delta R.T. 0.013 min

Lab File: VX024691.D

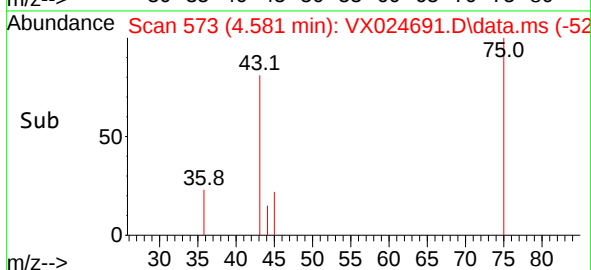
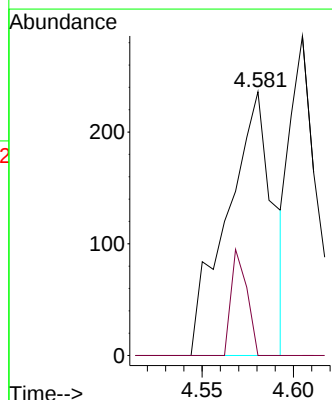
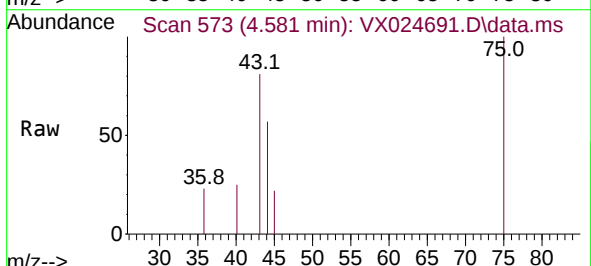
Acq: 09 Oct 2021 00:35

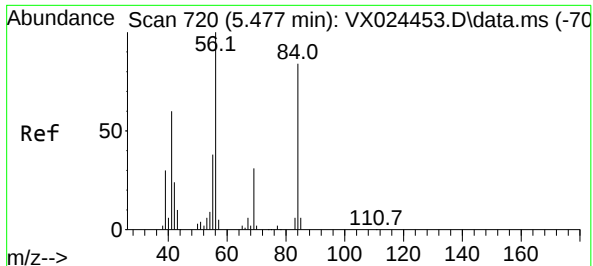
Tgt Ion: 43 Resp: 413

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#

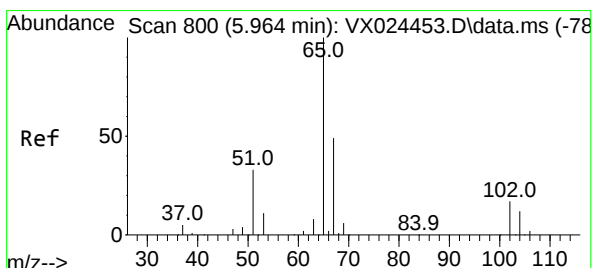
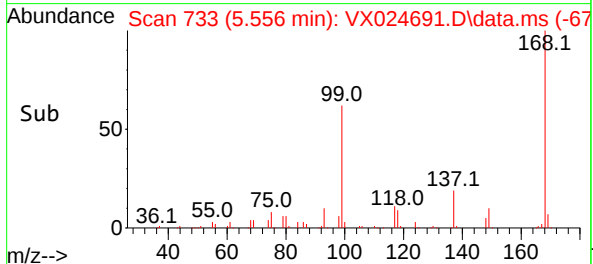
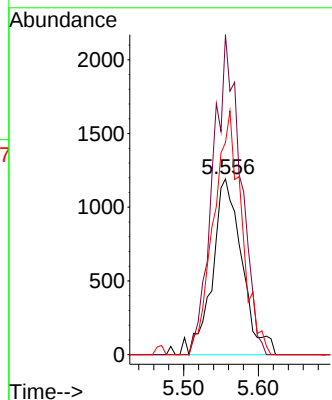
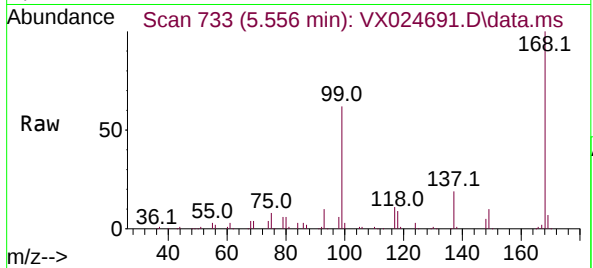




#31
Cyclohexane
Concen: 1.291 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX024691.D
Acq: 09 Oct 2021 00:35

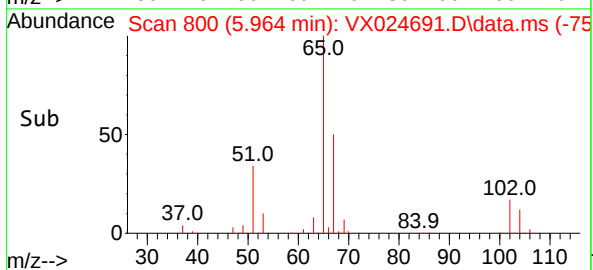
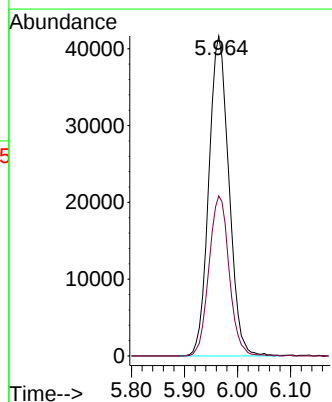
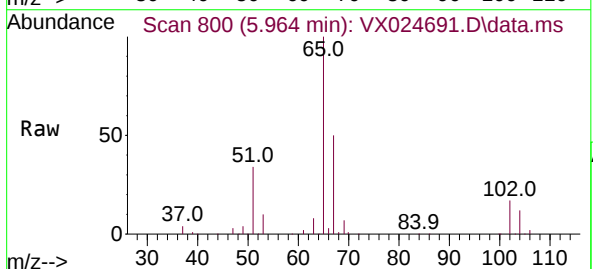
Instrument :
MSVOA_X
ClientSampled :

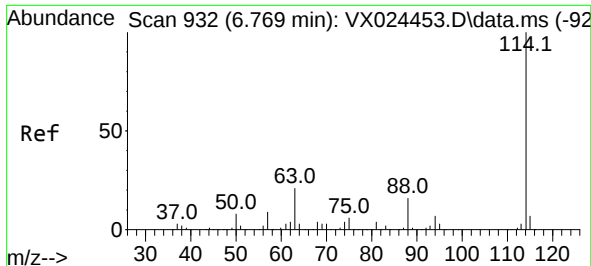
Tgt Ion: 56 Resp: 3273
Ion Ratio Lower Upper
56 100
69 181.9 25.3 37.9#
84 120.6 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.792 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024691.D
Acq: 09 Oct 2021 00:35

Tgt Ion: 65 Resp: 109643
Ion Ratio Lower Upper
65 100
67 50.2 0.0 105.4

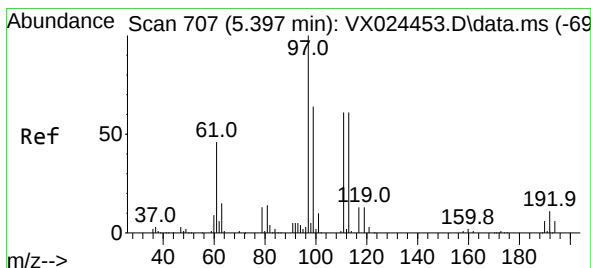
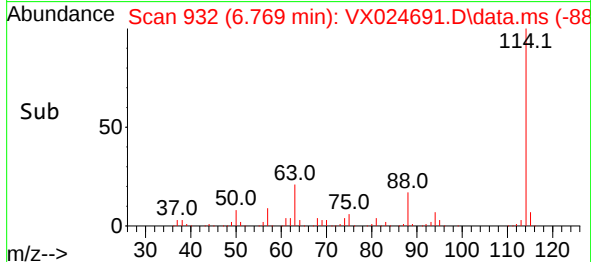
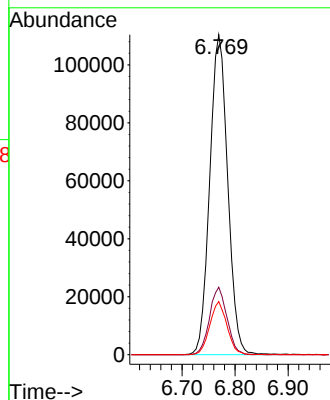
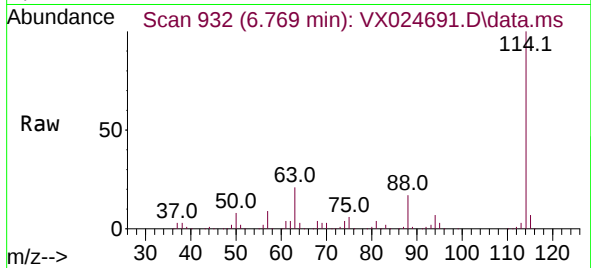




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024691.D
Acq: 09 Oct 2021 00:35

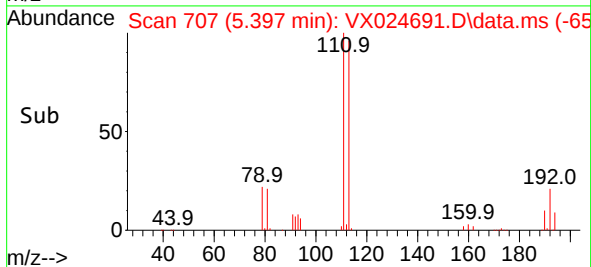
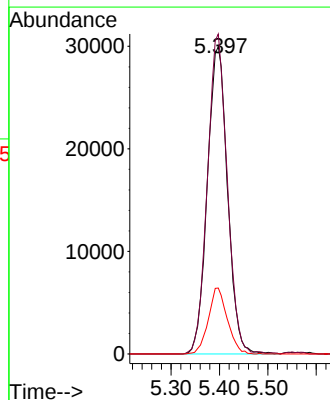
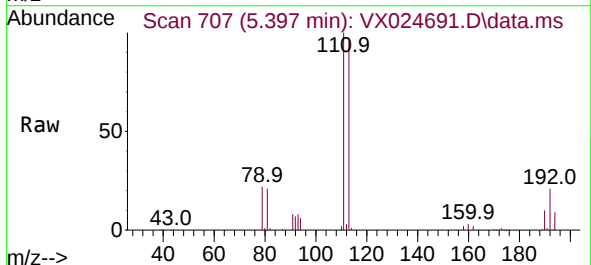
Instrument :
MSVOA_X
ClientSampleId :

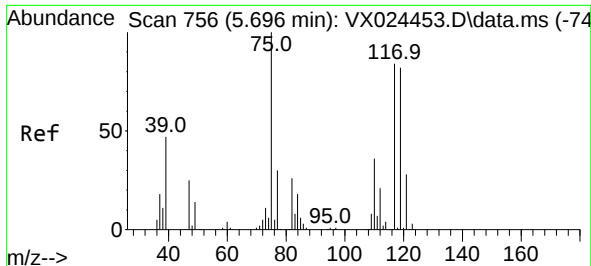
Tgt Ion:114 Resp: 259810
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.8
88 16.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.351 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024691.D
Acq: 09 Oct 2021 00:35

Tgt Ion:113 Resp: 86905
Ion Ratio Lower Upper
113 100
111 102.0 81.9 122.9
192 20.2 16.7 25.1

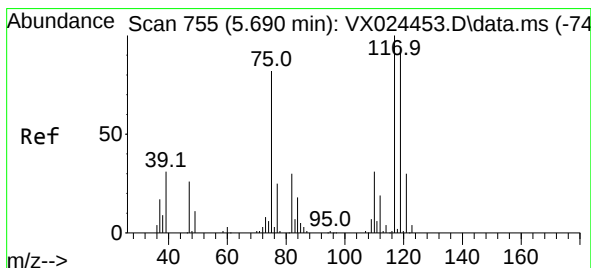
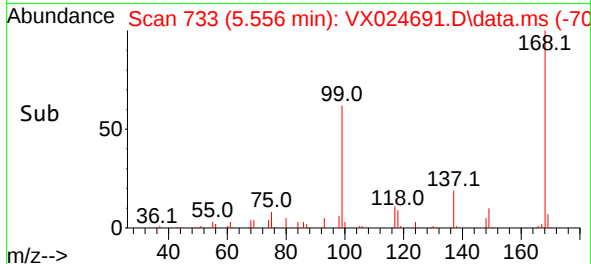
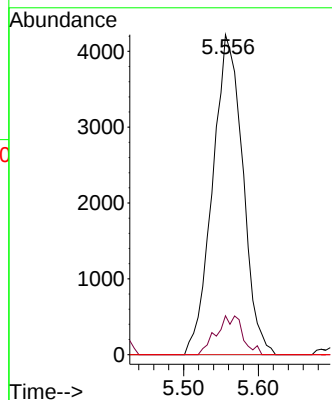
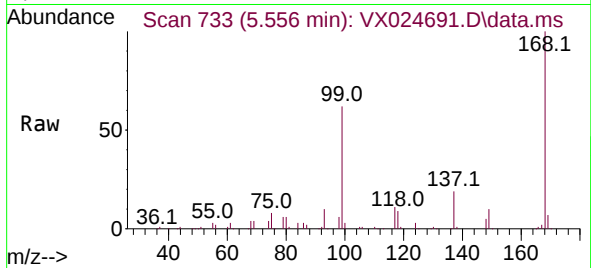




#36
1,1-Dichloropropene
Concen: 4.756 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX024691.D
Acq: 09 Oct 2021 00:35

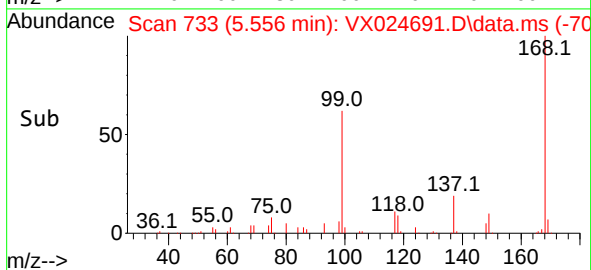
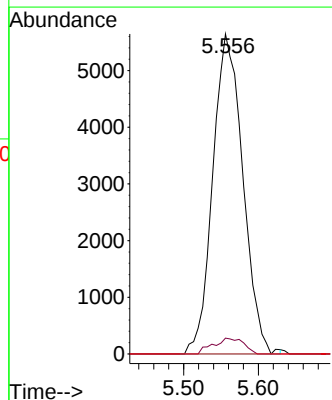
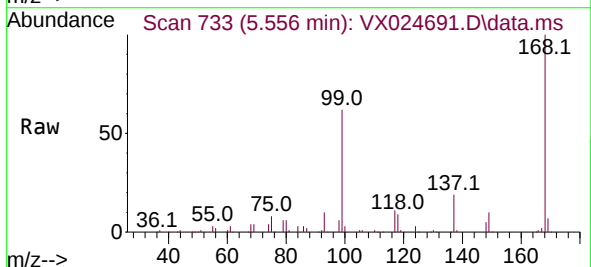
Instrument :
MSVOA_X
ClientSampled :

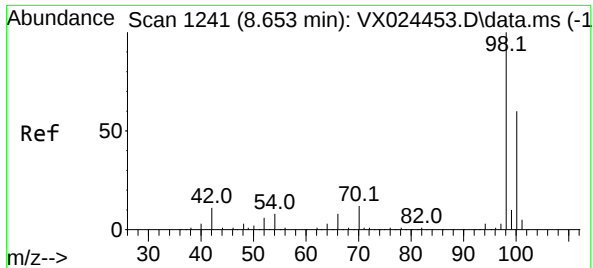
Tgt Ion: 75 Resp: 11845
Ion Ratio Lower Upper
75 100
110 10.6 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.821 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX024691.D
Acq: 09 Oct 2021 00:35

Tgt Ion:117 Resp: 15783
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 24.8 37.2#

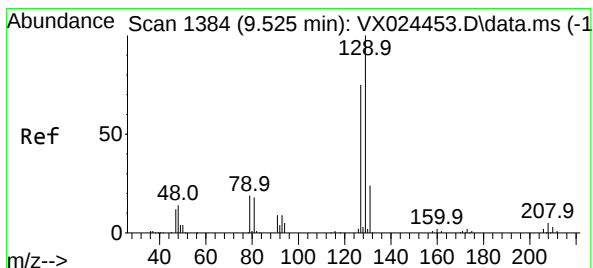
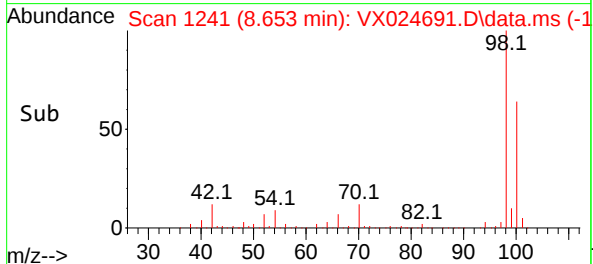
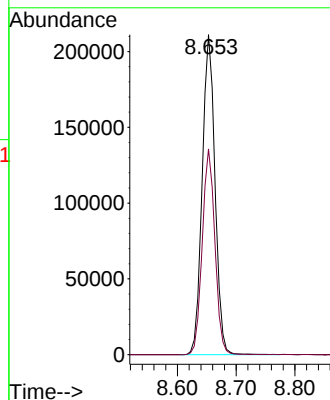
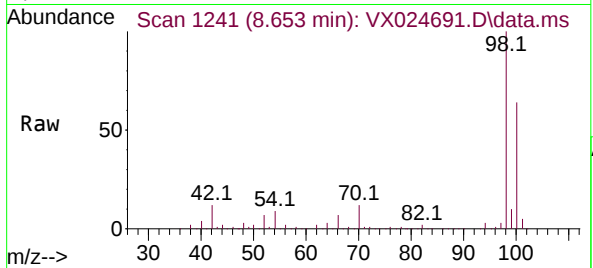




#50
Toluene-d8
Concen: 50.202 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024691.D
Acq: 09 Oct 2021 00:35

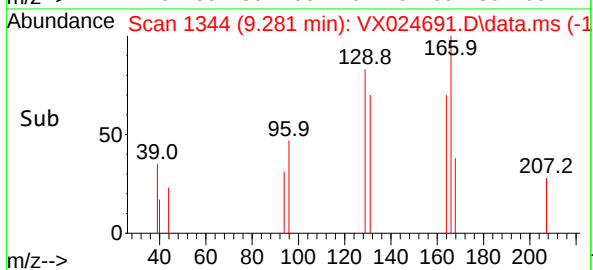
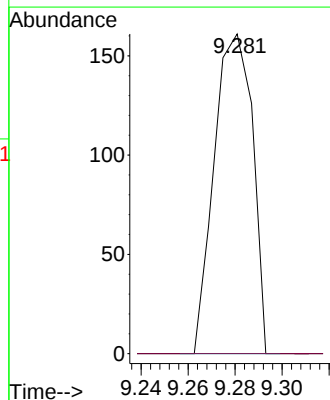
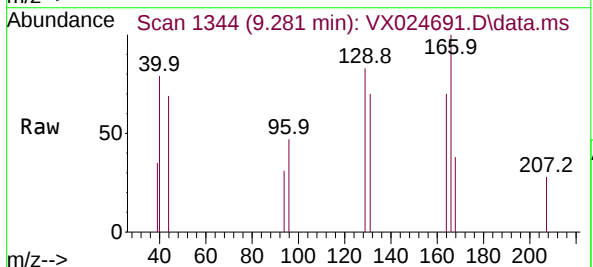
Instrument :
MSVOA_X
ClientSampled :

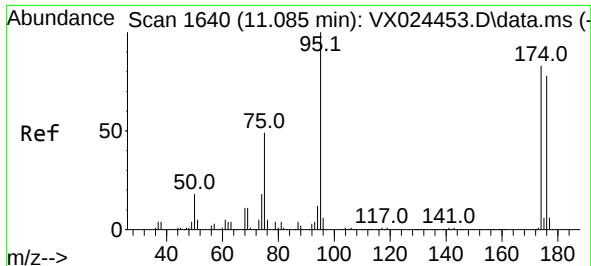
Tgt Ion: 98 Resp: 318908
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9



#60
Dibromochloromethane
Concen: 1.270 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX024691.D
Acq: 09 Oct 2021 00:35

Tgt Ion: 129 Resp: 183
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

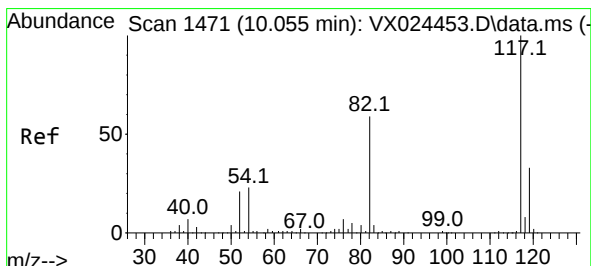
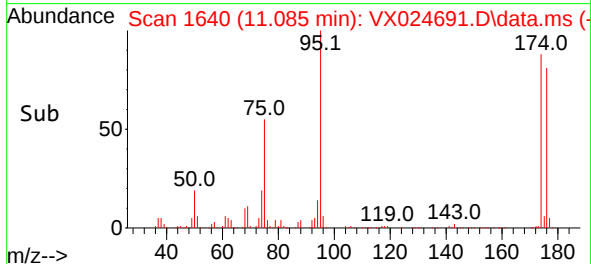
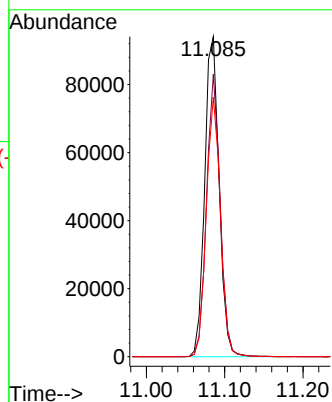
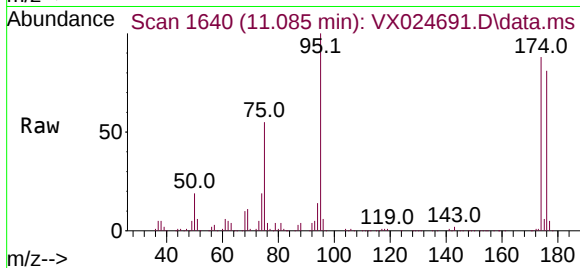




#62
4-Bromofluorobenzene
Concen: 48.204 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024691.D
Acq: 09 Oct 2021 00:35

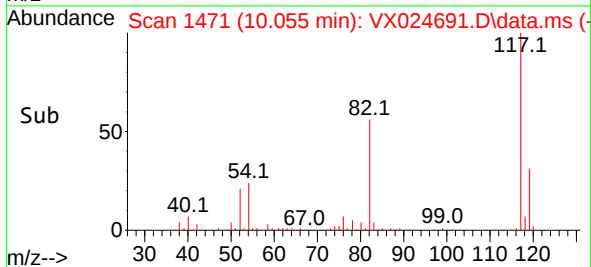
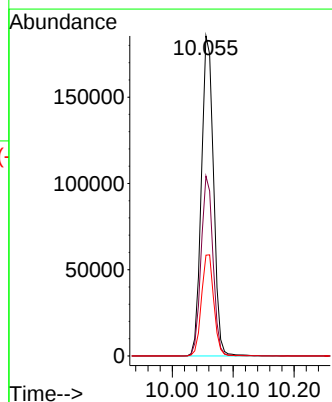
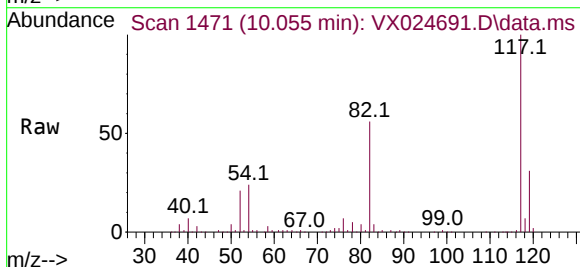
Instrument :
MSVOA_X
ClientSampleId :

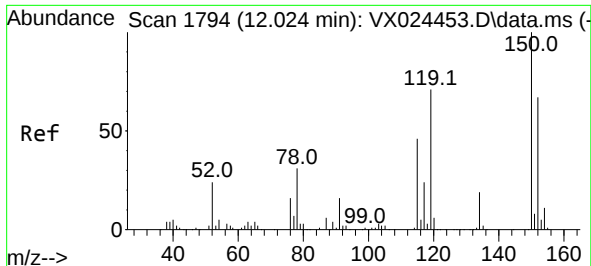
Tgt Ion: 95 Resp: 120398
Ion Ratio Lower Upper
95 100
174 83.6 0.0 154.6
176 79.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024691.D
Acq: 09 Oct 2021 00:35

Tgt Ion: 117 Resp: 256217
Ion Ratio Lower Upper
117 100
82 56.2 47.4 71.2
119 31.5 26.6 39.8

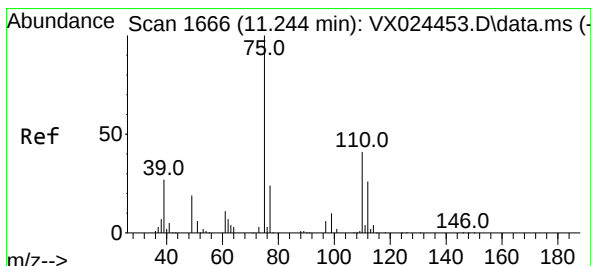
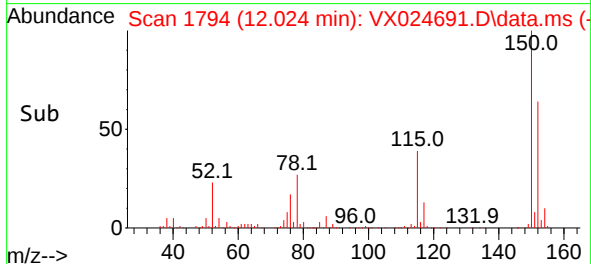
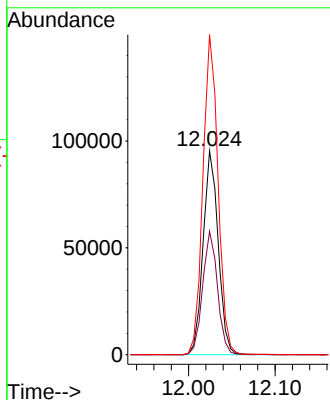
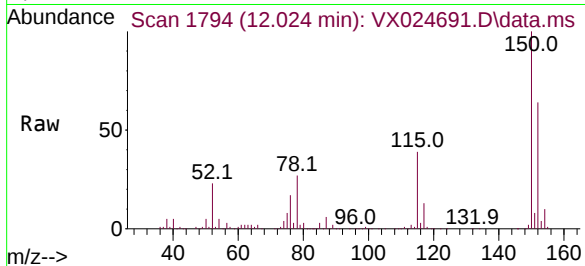




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024691.D
 Acq: 09 Oct 2021 00:35

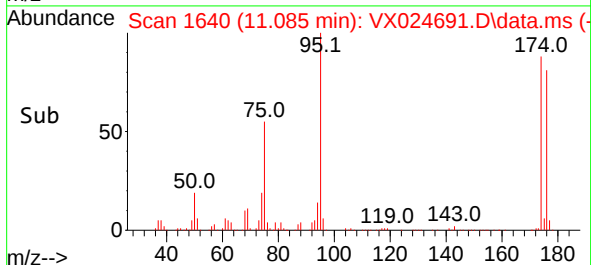
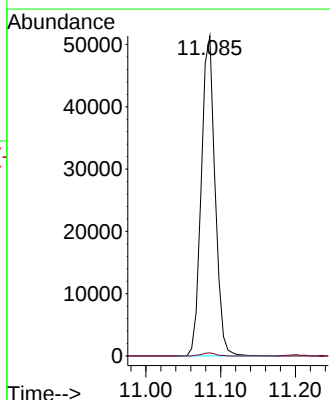
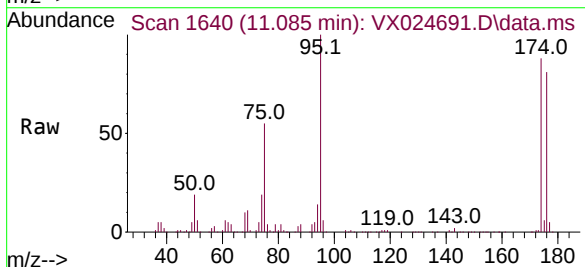
Instrument :
 MSVOA_X
 ClientSampled :

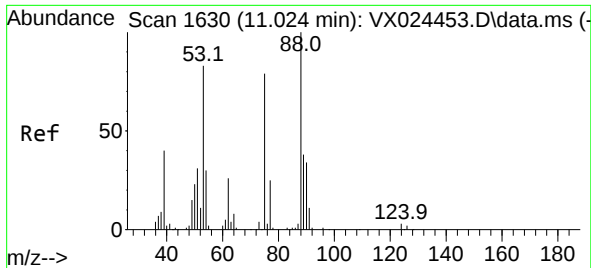
Tgt Ion:152 Resp: 115419
 Ion Ratio Lower Upper
 152 100
 115 59.6 41.1 123.3
 150 157.2 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.081 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024691.D
 Acq: 09 Oct 2021 00:35

Tgt Ion: 75 Resp: 65740
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#

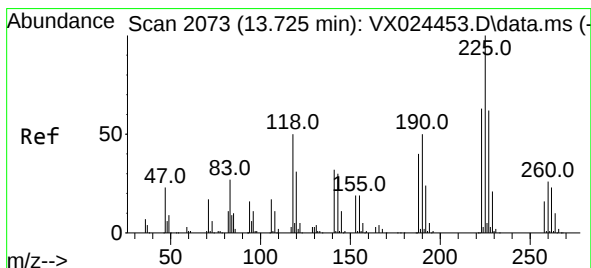
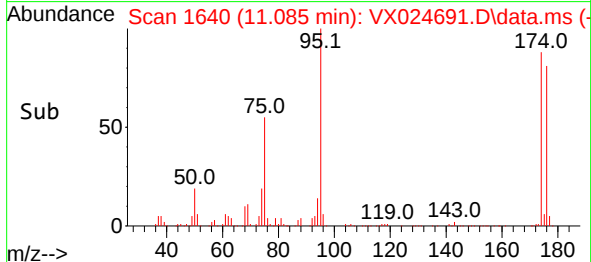
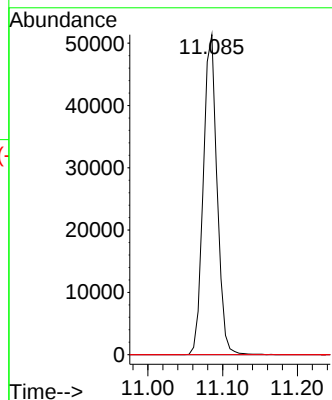
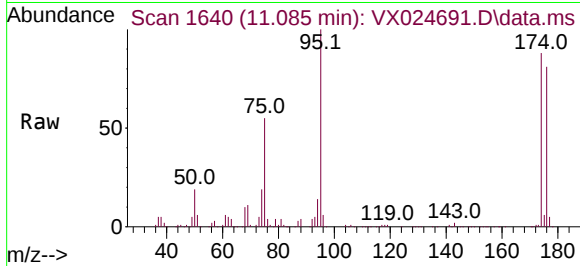




#81
trans-1,4-Dichloro-2-butene
Concen: 68.389 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024691.D
Acq: 09 Oct 2021 00:35

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 65740
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#94
Hexachlorobutadiene
Concen: 0.237 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX024691.D
Acq: 09 Oct 2021 00:35

Tgt Ion: 225 Resp: 273
Ion Ratio Lower Upper
225 100
223 58.2 31.1 93.2
227 16.1 31.6 95.0#

