

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032423\
 Data File : VX034725.D
 Acq On : 24 Mar 2023 16:52
 Operator : JC/MD
 Sample : 02056-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

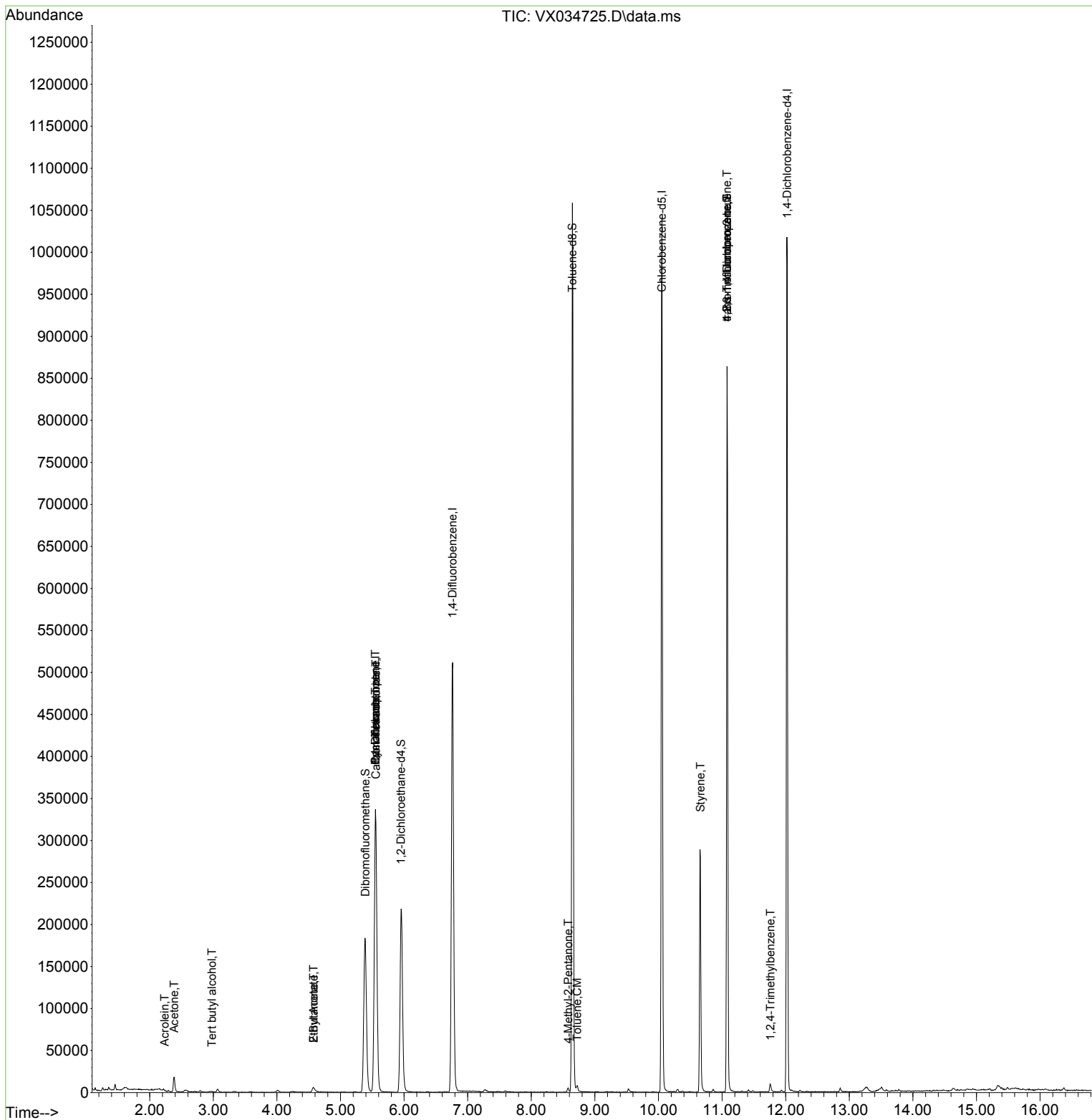
Quant Time: Mar 27 01:33:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	300548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	509350	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	453705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	203017	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	222763	50.948	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.900%
35) Dibromofluoromethane	5.391	113	161655	48.069	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.140%
50) Toluene-d8	8.647	98	609298	48.533	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.060%
62) 4-Bromofluorobenzene	11.079	95	235450	46.431	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.860%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	587	Below Cal	#	86
11) Tert butyl alcohol	2.977	59	1617	1.776	ug/l #	85
13) Acrolein	2.233	56	836	1.161	ug/l #	73
16) Acetone	2.386	43	20125	9.771	ug/l	94
25) 2-Butanone	4.574	43	10370	3.519	ug/l	99
31) Cyclohexane	5.550	56	7493	1.222	ug/l #	21
36) 1,1-Dichloropropene	5.550	75	26189	5.070	ug/l #	50
37) Ethyl Acetate	4.574	43	10370	1.838	ug/l #	70
38) Carbon Tetrachloride	5.556	117	32294	6.285	ug/l #	15
51) 4-Methyl-2-Pentanone	8.580	43	3275	0.591	ug/l	97
52) Toluene	8.720	92	2334	0.249	ug/l	99
70) Styrene	10.659	104	117475	10.598	ug/l	89
76) 1,2,3-Trichloropropane	11.079	75	125659	26.957	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	125659	72.926	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.762	105	3905	0.290	ug/l #	53

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

Quant Time: Mar 27 01:33:09 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 13 10:29:32 2023
Response via : Initial Calibration

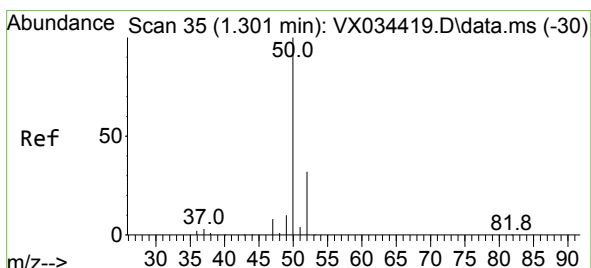
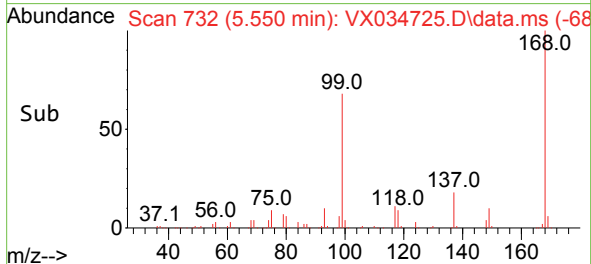
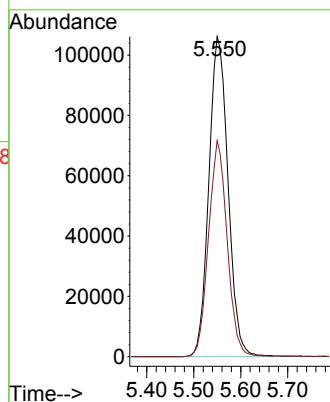
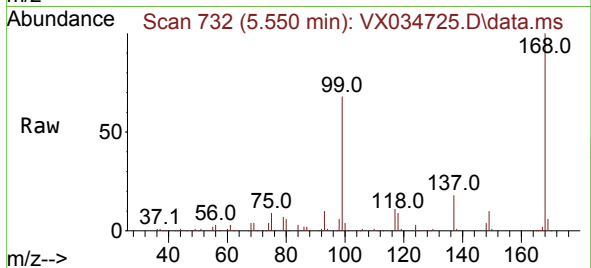




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034725.D
Acq: 24 Mar 2023 16:52

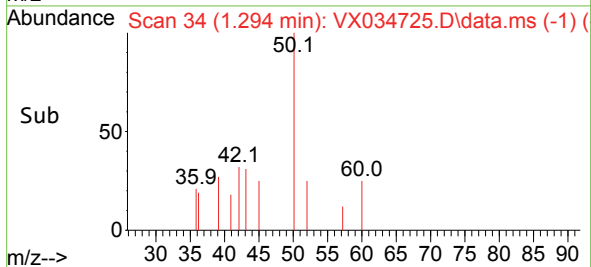
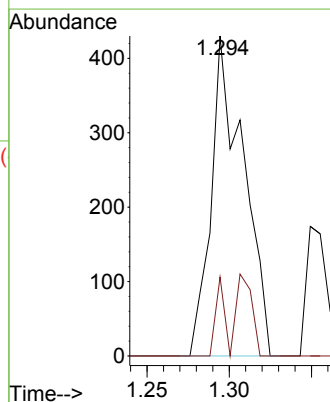
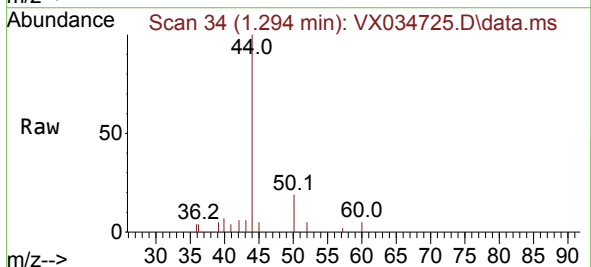
Instrument :
MSVOA_X
ClientSampleId :

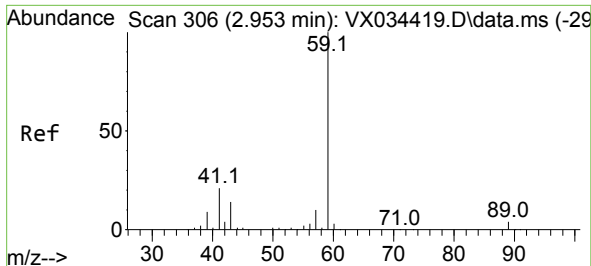
Tgt Ion:168 Resp: 300548
Ion Ratio Lower Upper
168 100
99 67.5 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.007 min
Lab File: VX034725.D
Acq: 24 Mar 2023 16:52

Tgt Ion: 50 Resp: 587
Ion Ratio Lower Upper
50 100
52 24.7 25.9 38.9#

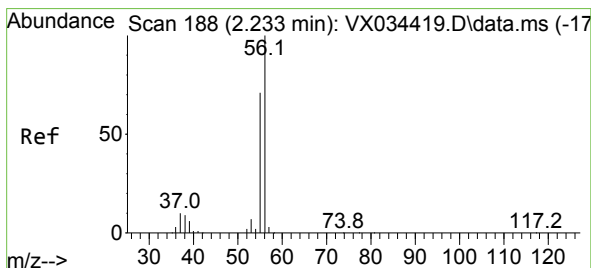
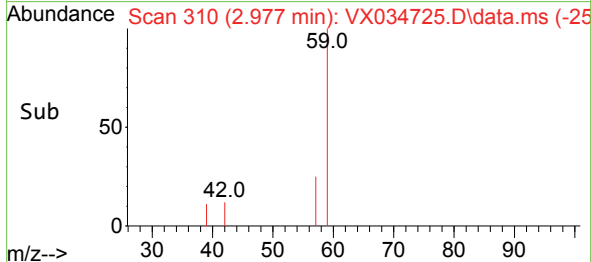
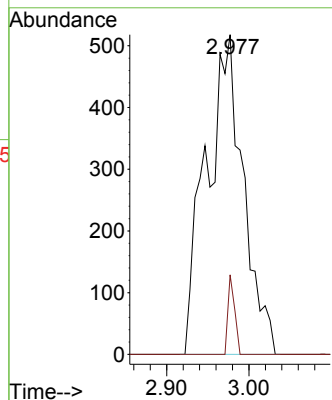
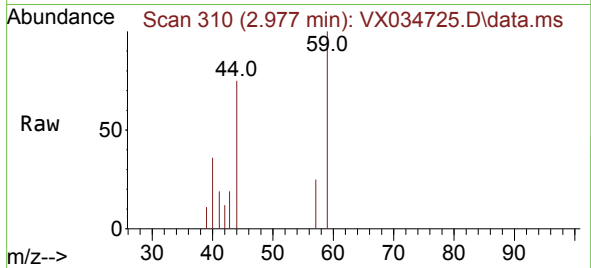




#11
Tert butyl alcohol
Concen: 1.776 ug/l
RT: 2.977 min Scan# 31
Delta R.T. 0.024 min
Lab File: VX034725.D
Acq: 24 Mar 2023 16:52

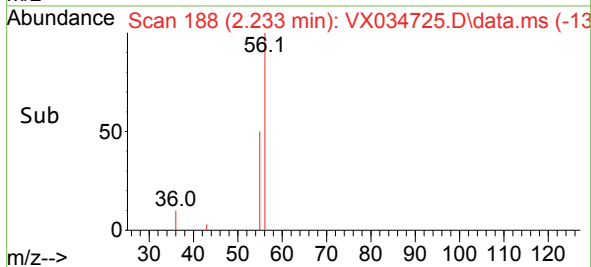
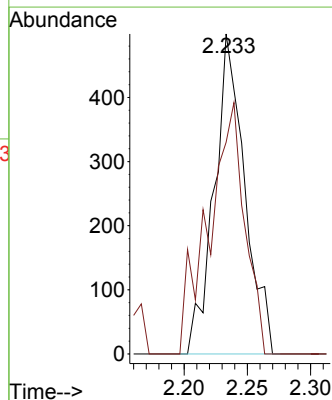
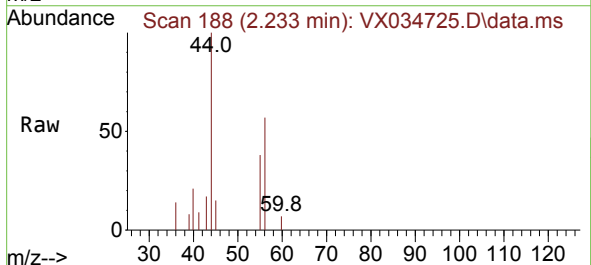
Instrument :
MSVOA_X
ClientSampleId :

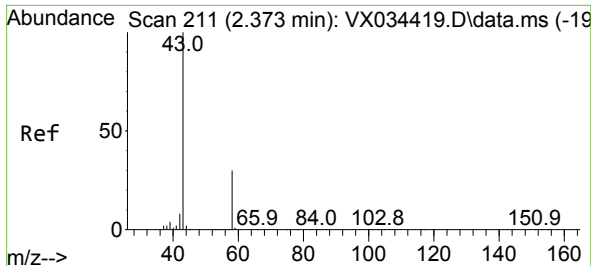
Tgt Ion: 59 Resp: 1617
Ion Ratio Lower Upper
59 100
57 4.5 8.1 12.1#



#13
Acrolein
Concen: 1.161 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX034725.D
Acq: 24 Mar 2023 16:52

Tgt Ion: 56 Resp: 836
Ion Ratio Lower Upper
56 100
55 93.4 56.6 85.0#

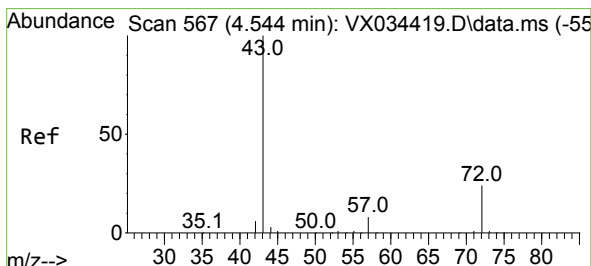
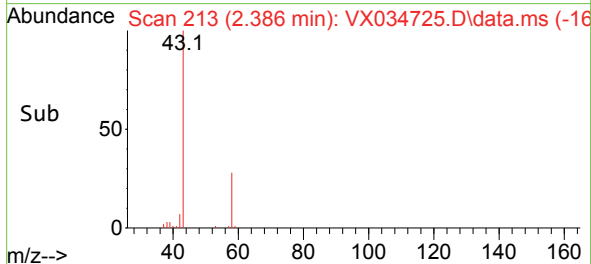
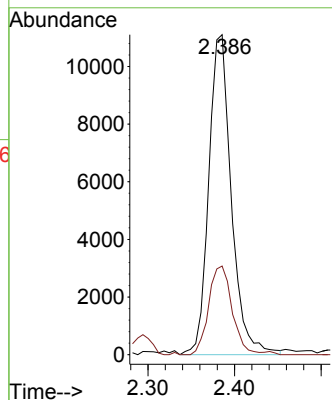
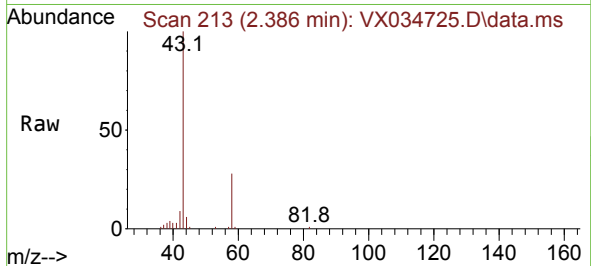




#16
Acetone
Concen: 9.771 ug/l
RT: 2.386 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX034725.D
Acq: 24 Mar 2023 16:52

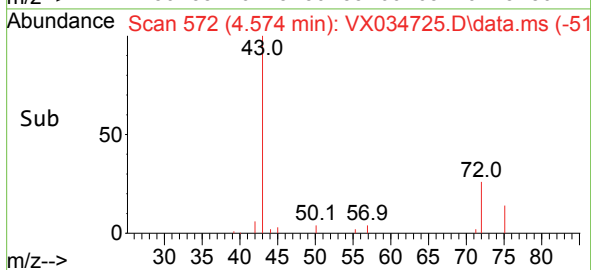
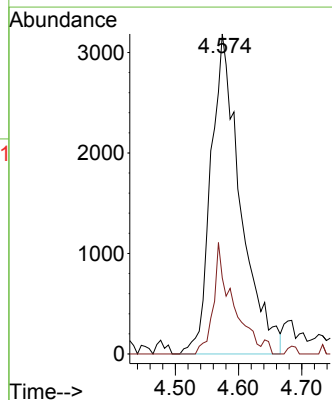
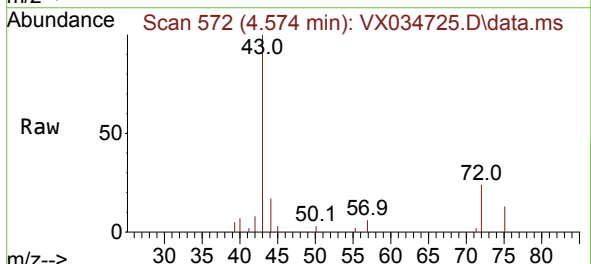
Instrument :
MSVOA_X
ClientSampleId :

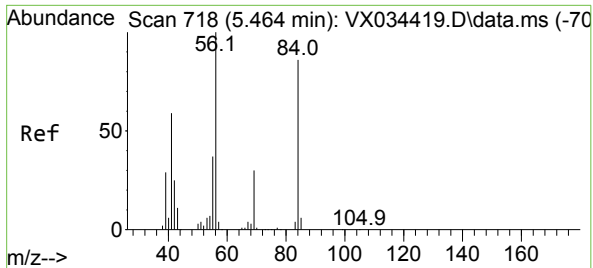
Tgt Ion: 43 Resp: 20125
Ion Ratio Lower Upper
43 100
58 27.7 24.7 37.1



#25
2-Butanone
Concen: 3.519 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.030 min
Lab File: VX034725.D
Acq: 24 Mar 2023 16:52

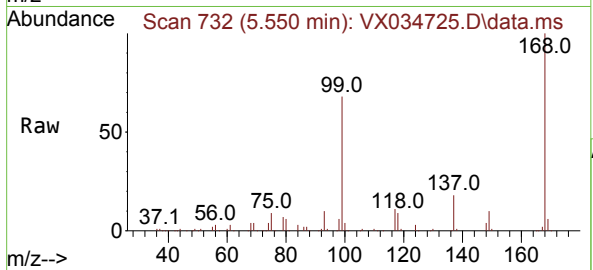
Tgt Ion: 43 Resp: 10370
Ion Ratio Lower Upper
43 100
72 23.7 19.3 28.9



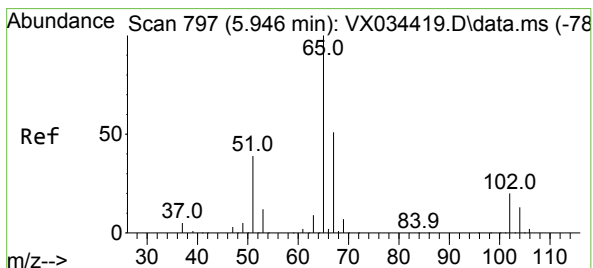
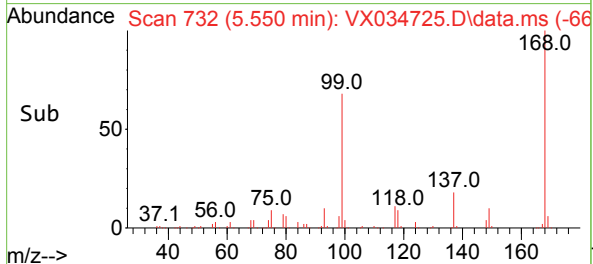
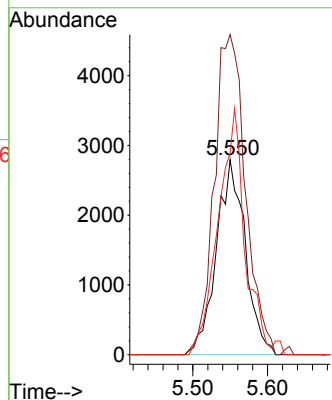


#31
Cyclohexane
Concen: 1.222 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX034725.D
Acq: 24 Mar 2023 16:52

Instrument :
MSVOA_X
ClientSampleId :

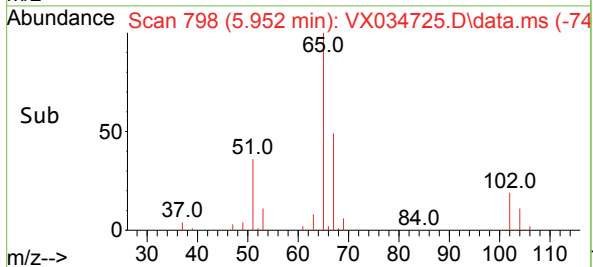
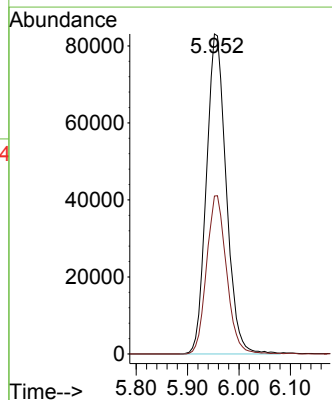
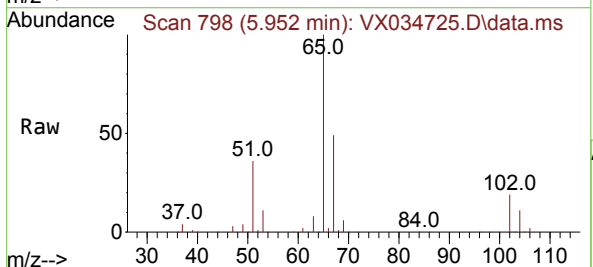


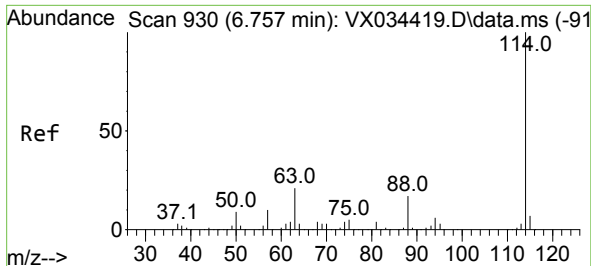
Tgt Ion: 56 Resp: 7493
Ion Ratio Lower Upper
56 100
69 164.1 23.7 35.5#
84 103.4 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 50.948 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034725.D
Acq: 24 Mar 2023 16:52

Tgt Ion: 65 Resp: 222763
Ion Ratio Lower Upper
65 100
67 49.8 0.0 104.0

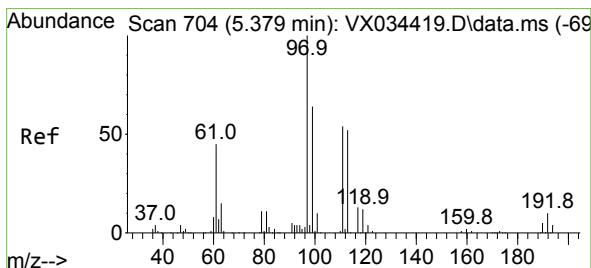
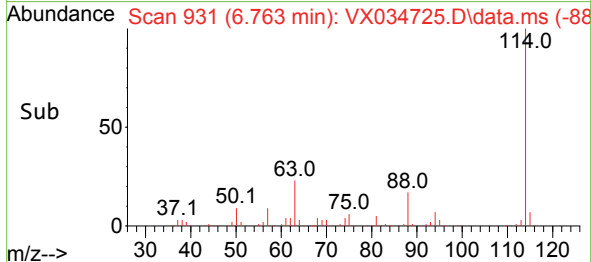
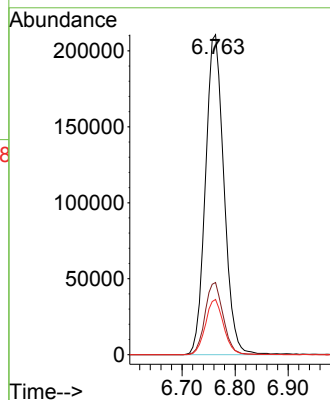
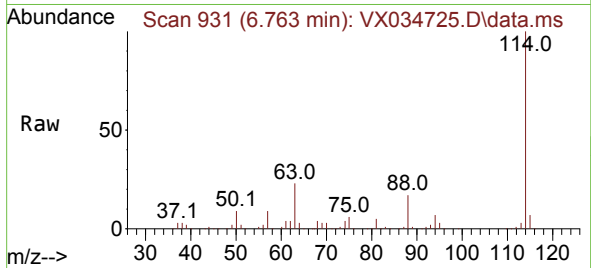




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034725.D
Acq: 24 Mar 2023 16:52

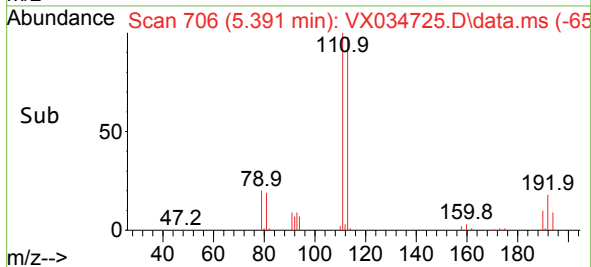
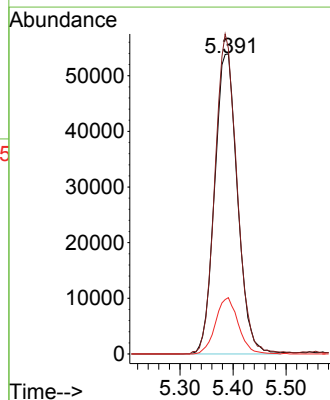
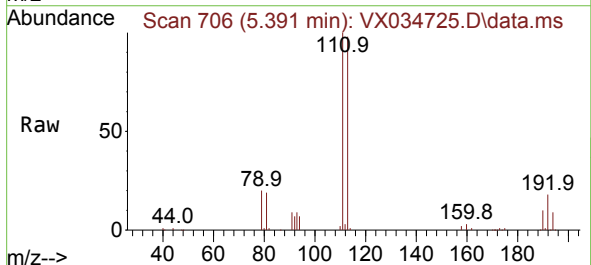
Instrument :
MSVOA_X
ClientSampleId :

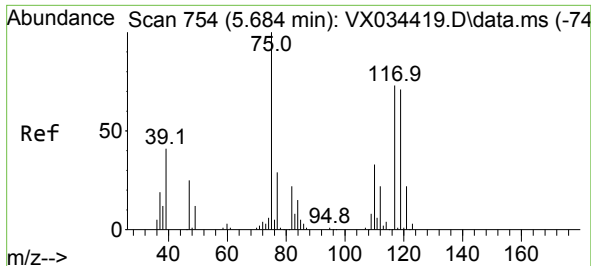
Tgt Ion:114 Resp: 509350
Ion Ratio Lower Upper
114 100
63 22.6 0.0 42.2
88 17.3 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.069 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.012 min
Lab File: VX034725.D
Acq: 24 Mar 2023 16:52

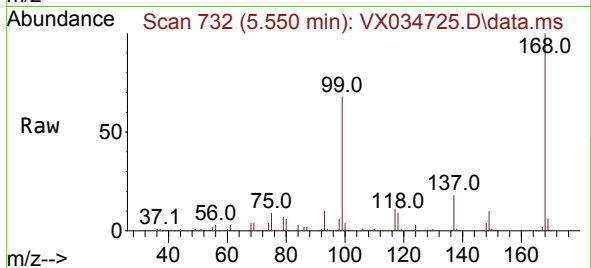
Tgt Ion:113 Resp: 161655
Ion Ratio Lower Upper
113 100
111 102.9 83.7 125.5
192 18.7 15.4 23.2



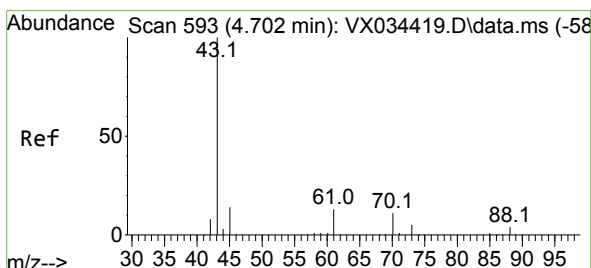
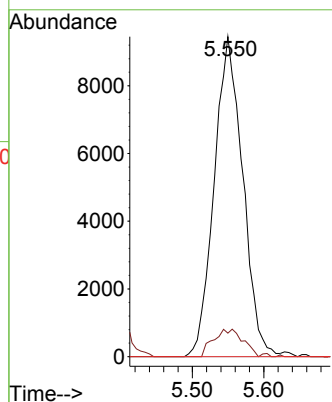
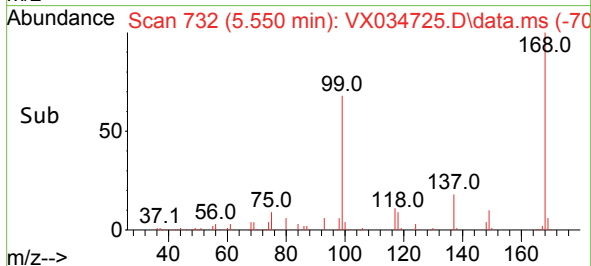


#36
1,1-Dichloropropene
Concen: 5.070 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX034725.D
Acq: 24 Mar 2023 16:52

Instrument :
MSVOA_X
ClientSampleId :

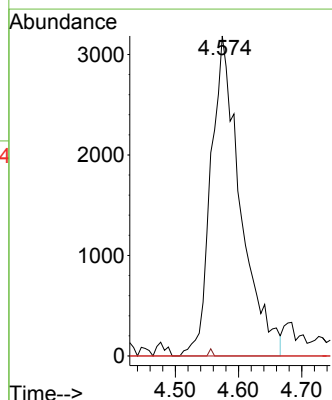
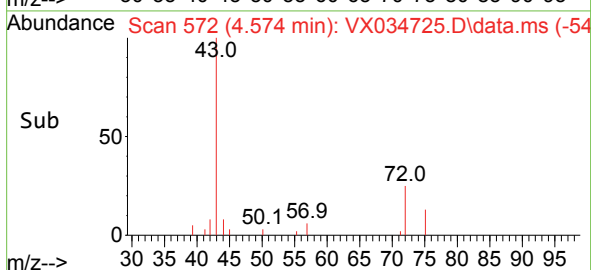
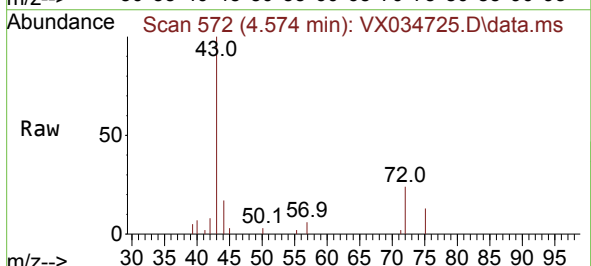


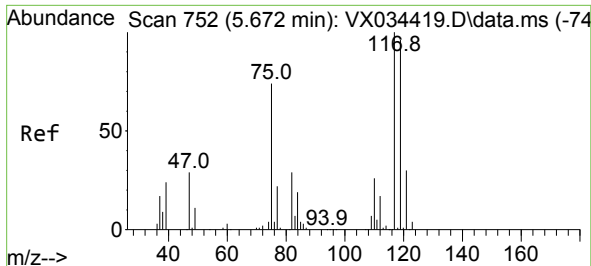
Tgt Ion: 75 Resp: 26189
Ion Ratio Lower Upper
75 100
110 9.1 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 1.838 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.128 min
Lab File: VX034725.D
Acq: 24 Mar 2023 16:52

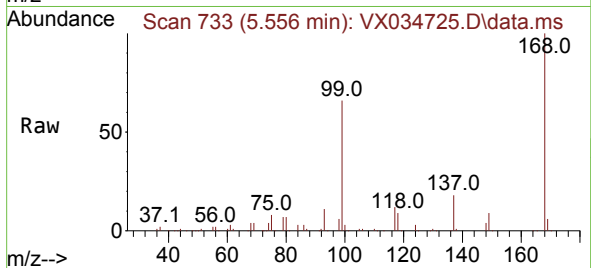
Tgt Ion: 43 Resp: 10370
Ion Ratio Lower Upper
43 100
61 0.3 10.2 15.4#
70 0.0 8.2 12.4#



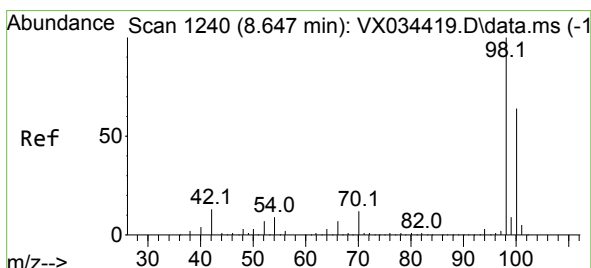
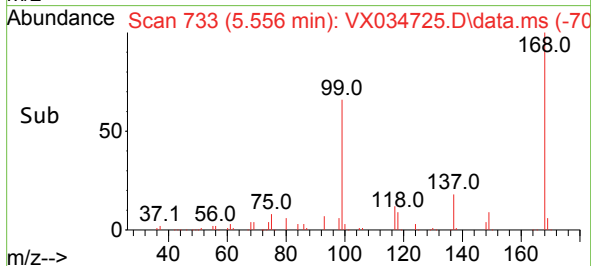
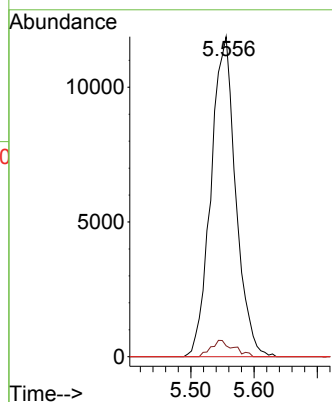


#38
Carbon Tetrachloride
Concen: 6.285 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.116 min
Lab File: VX034725.D
Acq: 24 Mar 2023 16:52

Instrument :
MSVOA_X
ClientSampleId :

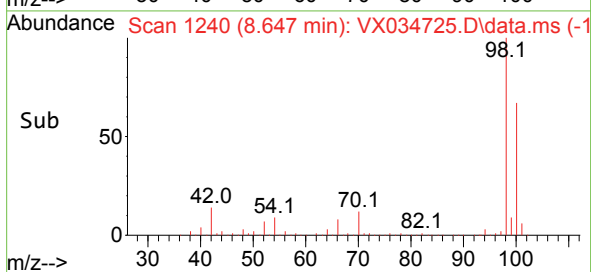
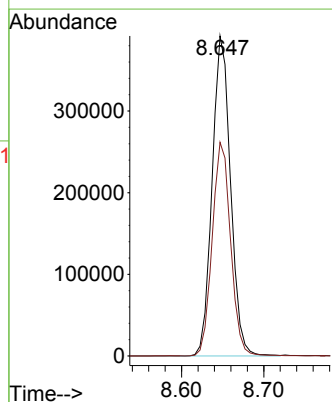
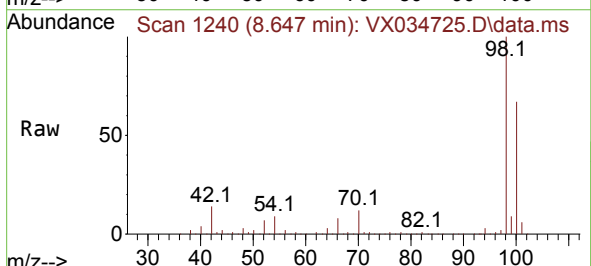


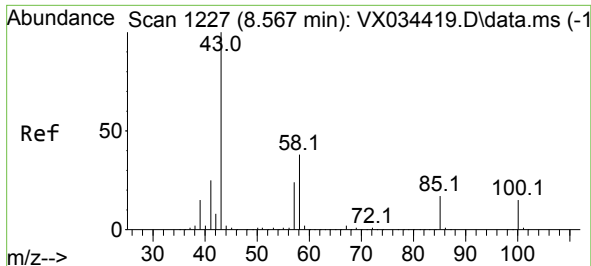
Tgt Ion:117 Resp: 32294
Ion Ratio Lower Upper
117 100
119 3.4 76.6 114.8#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 48.533 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX034725.D
Acq: 24 Mar 2023 16:52

Tgt Ion: 98 Resp: 609298
Ion Ratio Lower Upper
98 100
100 66.9 52.5 78.7

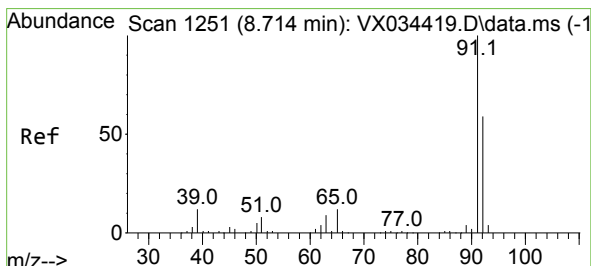
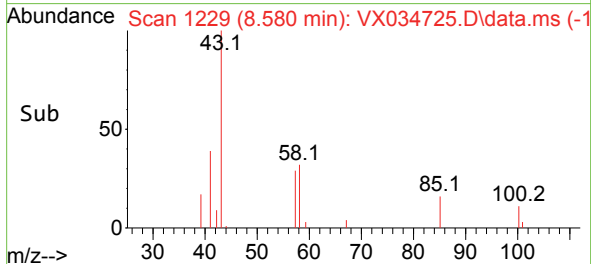
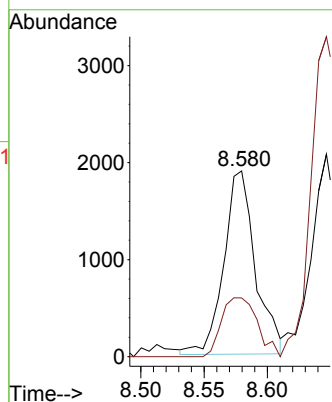
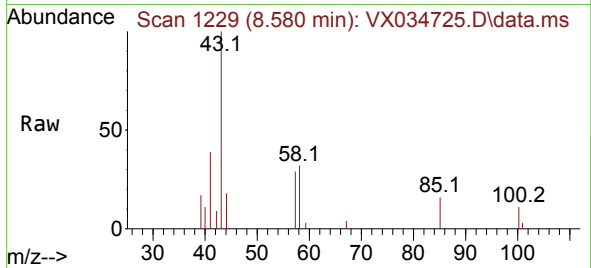




#51
4-Methyl-2-Pentanone
Concen: 0.591 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.012 min
Lab File: VX034725.D
Acq: 24 Mar 2023 16:52

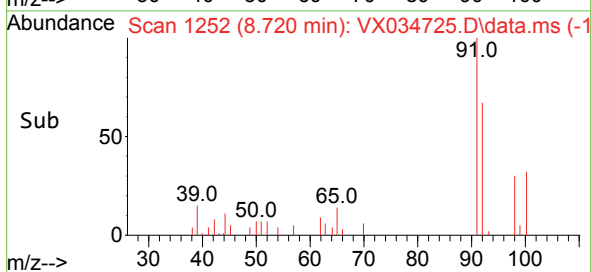
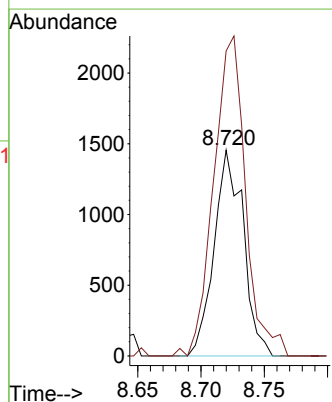
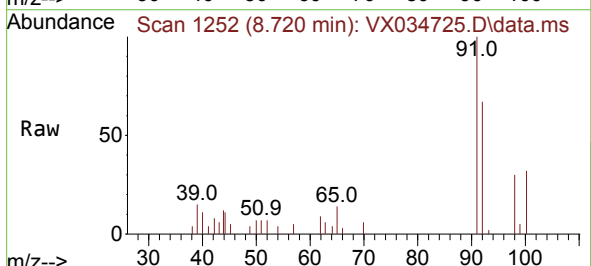
Instrument :
MSVOA_X
ClientSampleId :

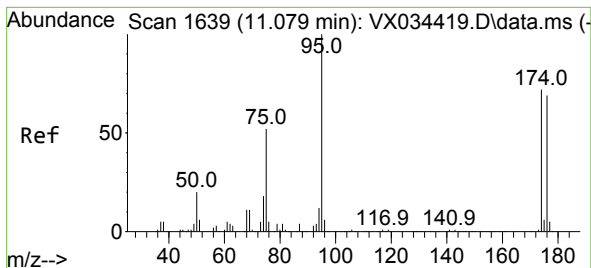
Tgt Ion: 43 Resp: 3275
Ion Ratio Lower Upper
43 100
58 36.5 30.6 46.0



#52
Toluene
Concen: 0.249 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX034725.D
Acq: 24 Mar 2023 16:52

Tgt Ion: 92 Resp: 2334
Ion Ratio Lower Upper
92 100
91 169.4 136.8 205.2

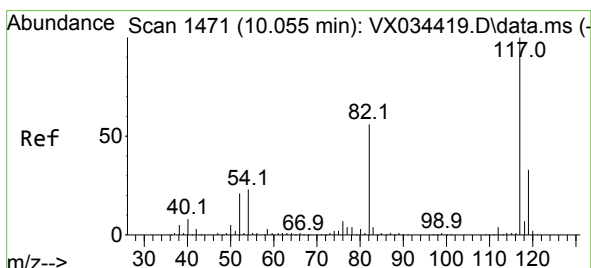
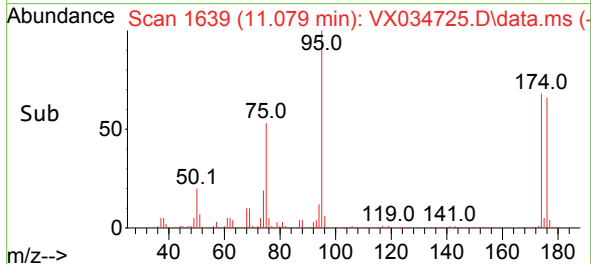
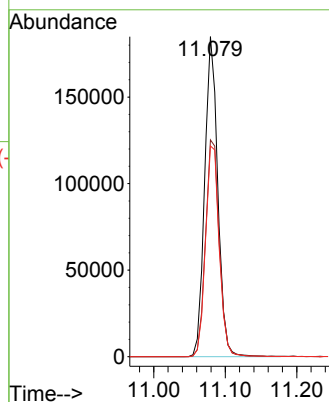
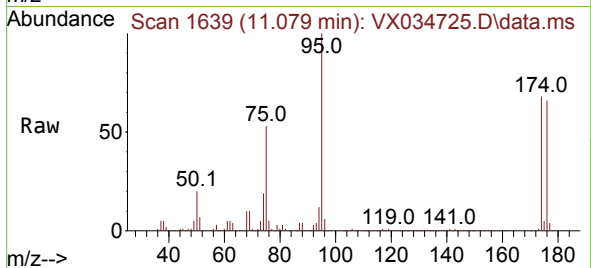




#62
4-Bromofluorobenzene
Concen: 46.431 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX034725.D
Acq: 24 Mar 2023 16:52

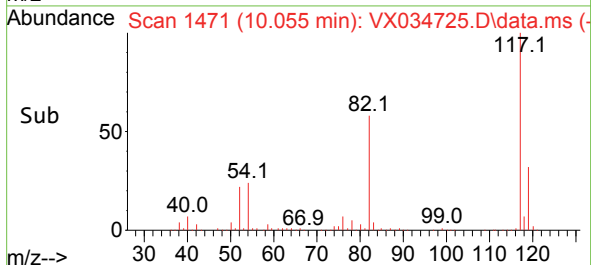
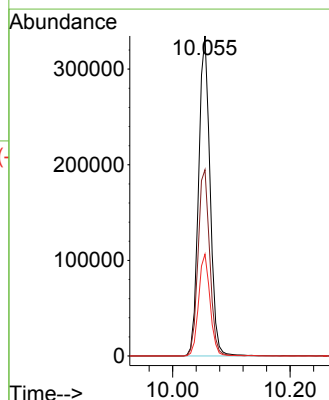
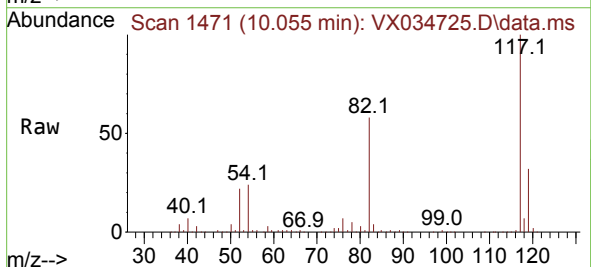
Instrument :
MSVOA_X
ClientSampleId :

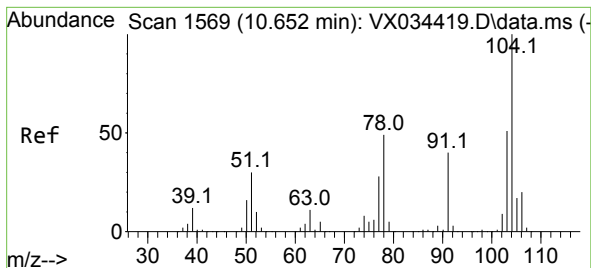
Tgt Ion: 95 Resp: 235450
Ion Ratio Lower Upper
95 100
174 71.4 0.0 147.4
176 69.1 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034725.D
Acq: 24 Mar 2023 16:52

Tgt Ion: 117 Resp: 453705
Ion Ratio Lower Upper
117 100
82 58.2 45.0 67.4
119 31.8 26.0 39.0





#70

Styrene

Concen: 10.598 ug/l

RT: 10.659 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX034725.D

Acq: 24 Mar 2023 16:52

Instrument :

MSVOA_X

ClientSampleId :

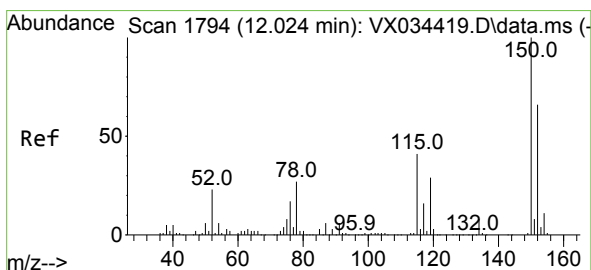
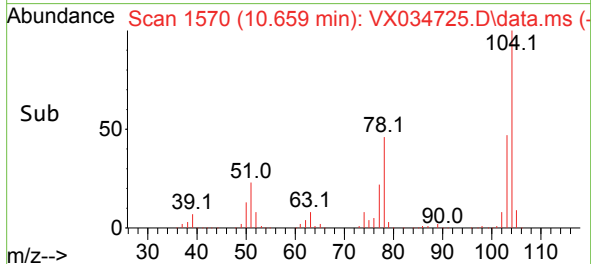
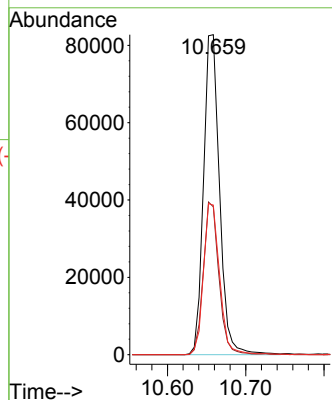
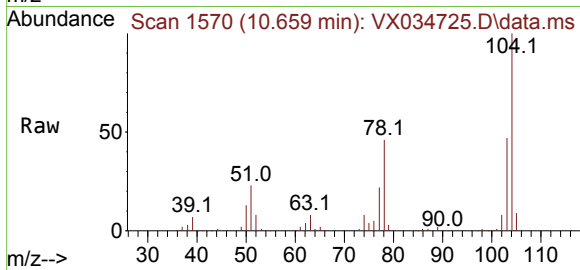
Tgt Ion:104 Resp: 117475

Ion Ratio Lower Upper

104 100

78 46.2 43.4 65.2

103 47.6 44.2 66.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX034725.D

Acq: 24 Mar 2023 16:52

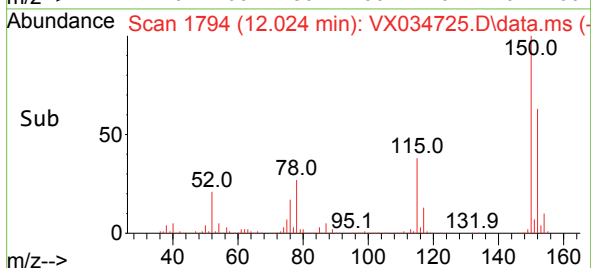
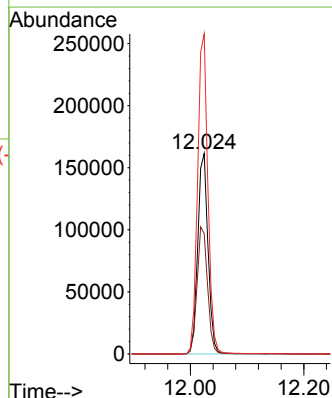
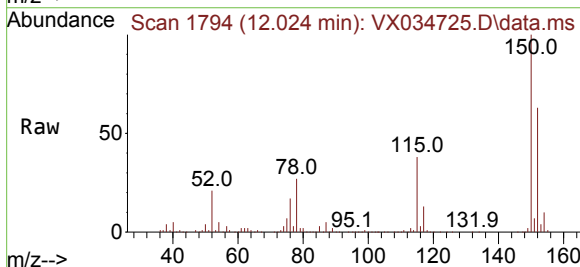
Tgt Ion:152 Resp: 203017

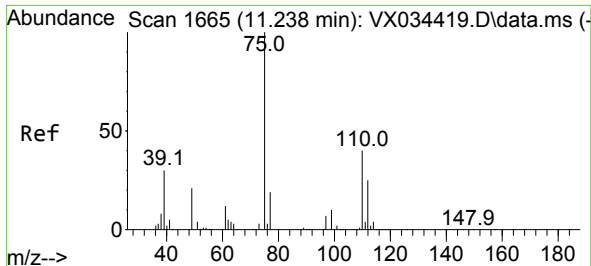
Ion Ratio Lower Upper

152 100

115 64.5 45.0 135.0

150 159.7 0.0 352.4

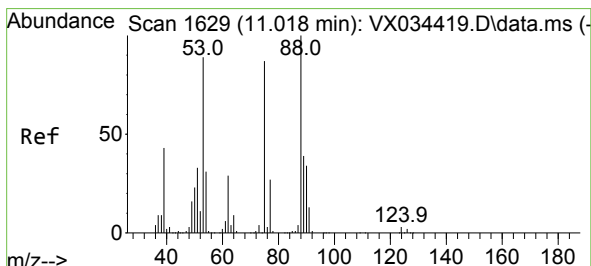
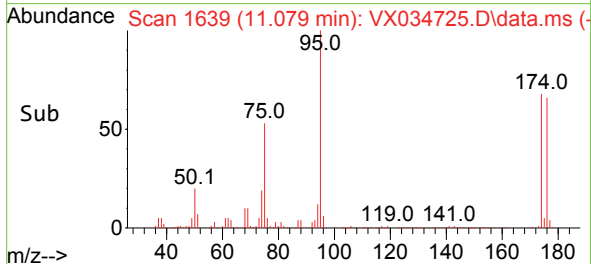
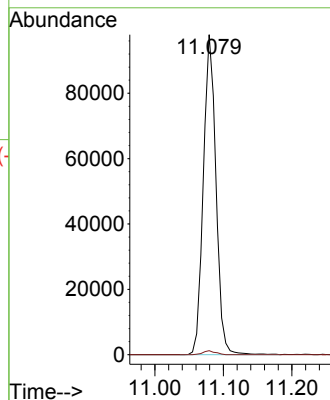
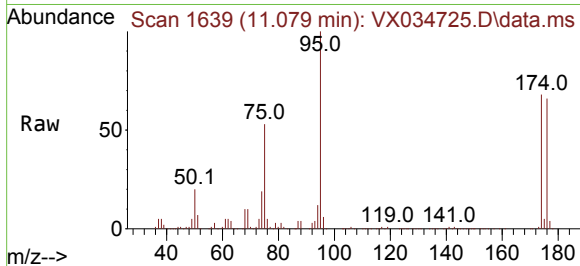




#76
1,2,3-Trichloropropane
Concen: 26.957 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034725.D
Acq: 24 Mar 2023 16:52

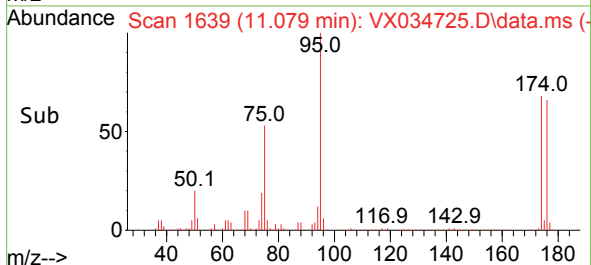
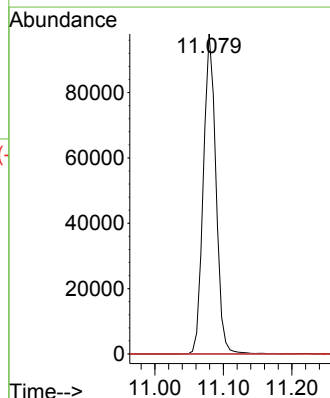
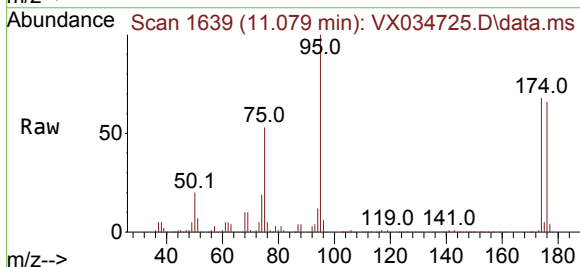
Instrument :
MSVOA_X
ClientSampleId :

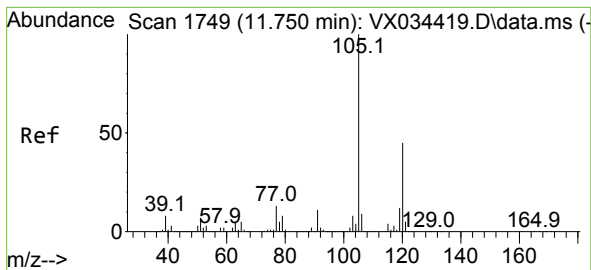
Tgt Ion: 75 Resp: 125659
Ion Ratio Lower Upper
75 100
77 1.2 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.926 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034725.D
Acq: 24 Mar 2023 16:52

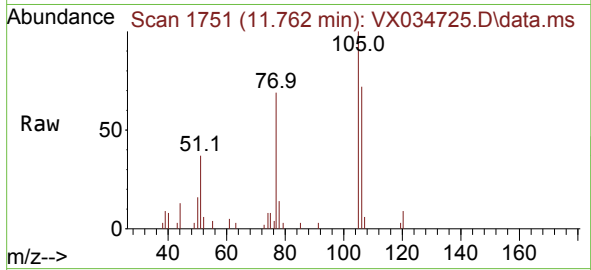
Tgt Ion: 75 Resp: 125659
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.290 ug/l
 RT: 11.762 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: VX034725.D
 Acq: 24 Mar 2023 16:52

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:105 Resp: 3905
 Ion Ratio Lower Upper
 105 100
 120 14.2 22.4 67.0#

