

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032423\
 Data File : VX034726.D
 Acq On : 24 Mar 2023 17:15
 Operator : JC/MD
 Sample : 02079-04 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 27 01:33:29 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)

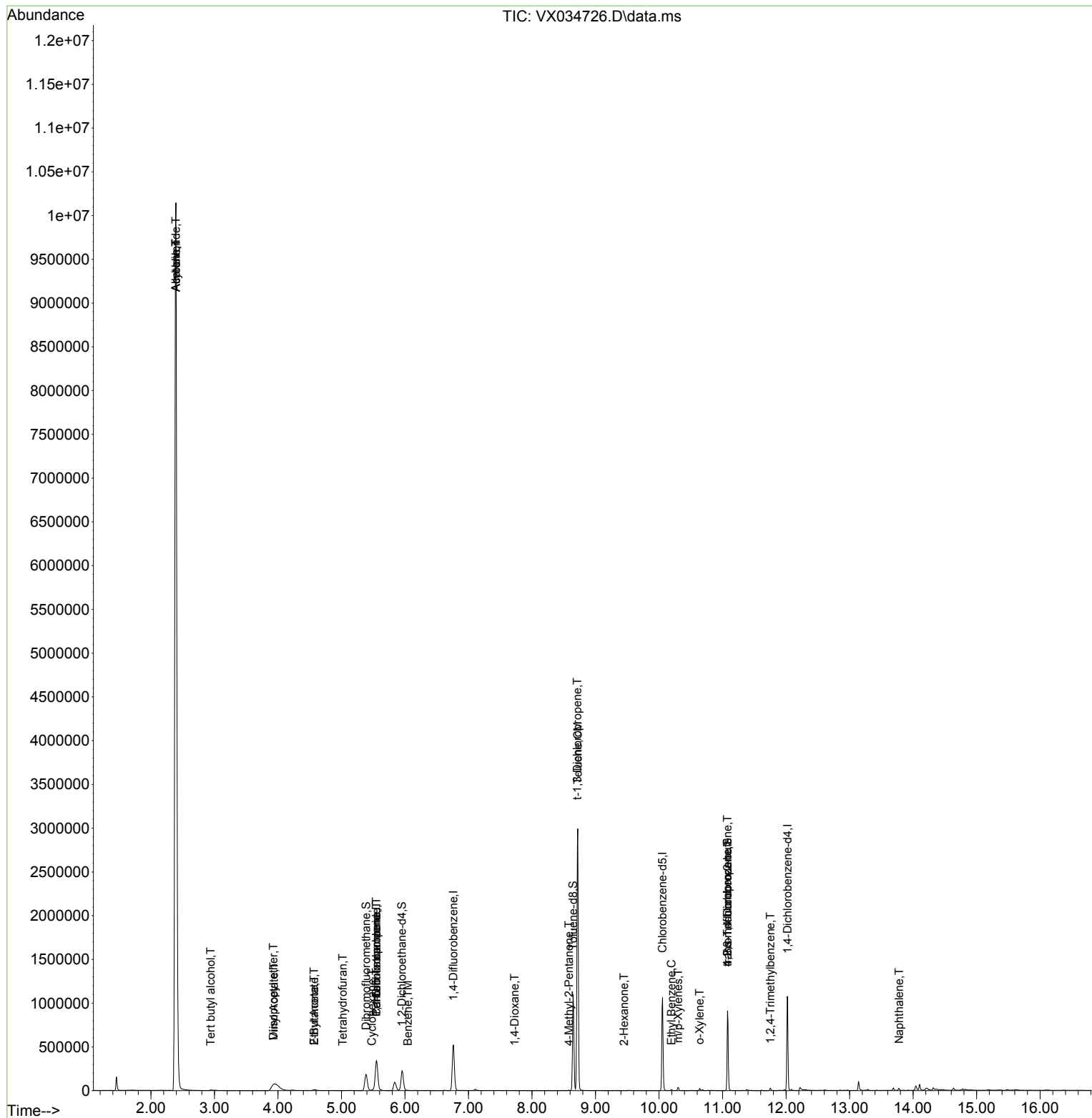
Internal Standards						
1) Pentafluorobenzene	5.550	168	309030	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	519213	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	462621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	218508	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	226390	50.356	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.720%			
35) Dibromofluoromethane	5.385	113	161756	47.185	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.380%			
50) Toluene-d8	8.647	98	618416	48.324	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.640%			
62) 4-Bromofluorobenzene	11.079	95	241894	46.796	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.600%			
Target Compounds						Qvalue
3) Chloromethane	1.294	50	411	Below Cal	#	79
11) Tert butyl alcohol	2.940	59	5311	5.673	ug/l #	73
13) Acrolein	2.392	56	3685	4.975	ug/l #	1
14) Allyl chloride	2.392	41	327420	47.738	ug/l #	1
16) Acetone	2.392	43	13474846	6362.874	ug/l #	87
22) Diisopropyl ether	3.928	45	5845	0.447	ug/l #	1
23) Vinyl Acetate	3.934	43	16365	1.644	ug/l #	72
25) 2-Butanone	4.568	43	8163	2.694	ug/l #	87
29) Tetrahydrofuran	5.019	42	512	0.274	ug/l #	49
31) Cyclohexane	5.477	56	1893	0.300	ug/l #	52
36) 1,1-Dichloropropene	5.550	75	26688	5.069	ug/l #	50
37) Ethyl Acetate	4.568	43	8163	1.419	ug/l #	70
38) Carbon Tetrachloride	5.550	117	32960	6.292	ug/l #	17
40) Benzene	6.044	78	3785	0.246	ug/l	97
49) 1,4-Dioxane	7.726	88	75	0.762	ug/l #	1
51) 4-Methyl-2-Pentanone	8.580	43	3730	0.660	ug/l	99
52) Toluene	8.720	92	1119470	117.392	ug/l	98
53) t-1,3-Dichloropropene	8.714	75	13894	2.331	ug/l #	1
59) 2-Hexanone	9.451	43	1323	0.303	ug/l	89
67) Ethyl Benzene	10.195	91	6180	0.340	ug/l	89
68) m/p-Xylenes	10.299	106	8428	1.207	ug/l	94
69) o-Xylene	10.640	106	4972	0.710	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	126993	25.312	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	126993	68.475	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.756	105	12054	0.833	ug/l	94
95) Naphthalene	13.780	128	14619	0.909	ug/l	98

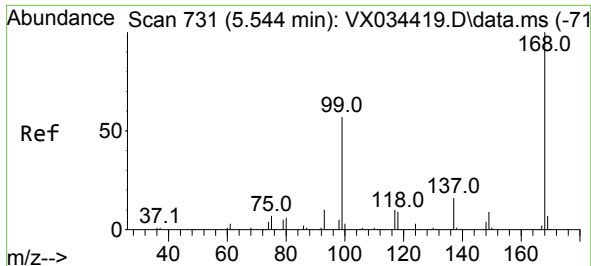
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Mar 27 01:33:29 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

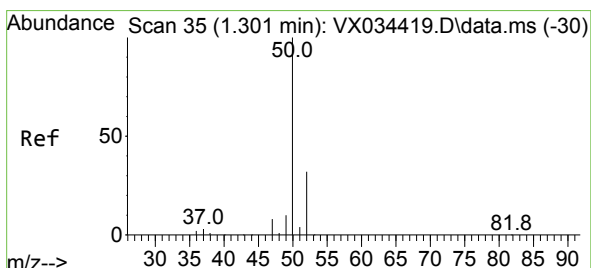
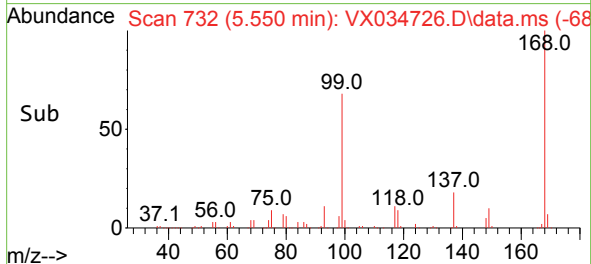
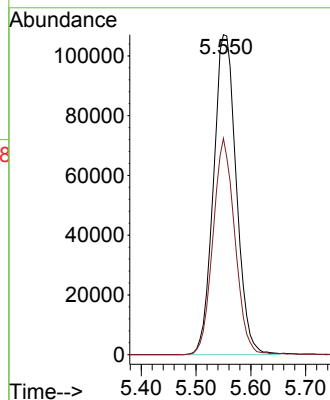
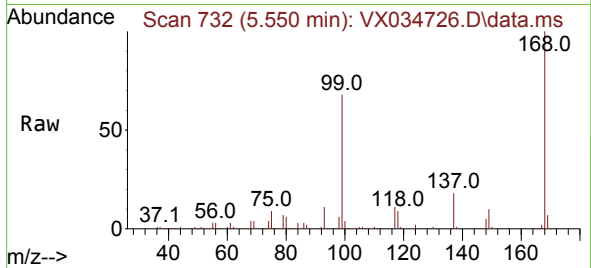




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034726.D
Acq: 24 Mar 2023 17:15

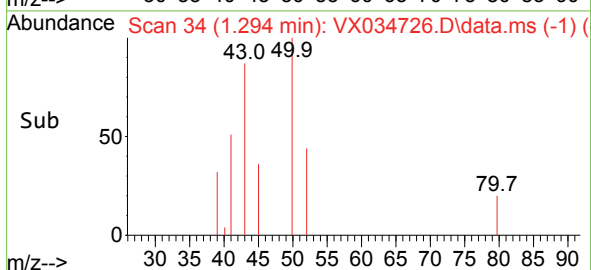
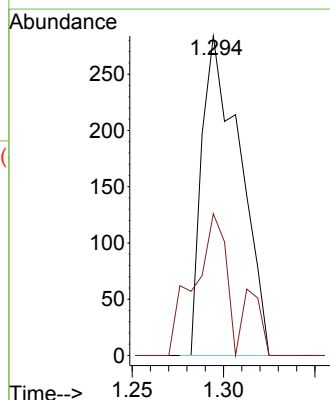
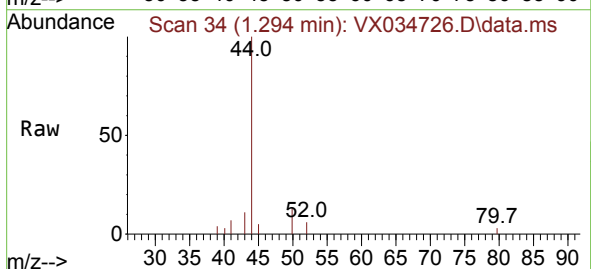
Instrument :
MSVOA_X
ClientSampleId :

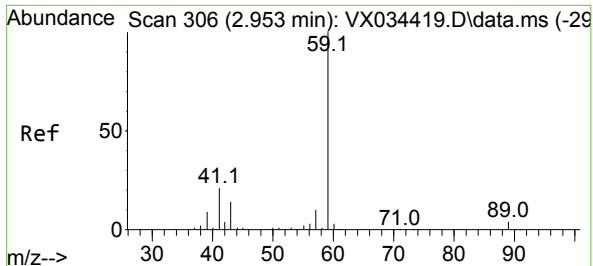
Tgt Ion:168 Resp: 309030
Ion Ratio Lower Upper
168 100
99 67.6 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.007 min
Lab File: VX034726.D
Acq: 24 Mar 2023 17:15

Tgt Ion: 50 Resp: 411
Ion Ratio Lower Upper
50 100
52 44.4 25.9 38.9#

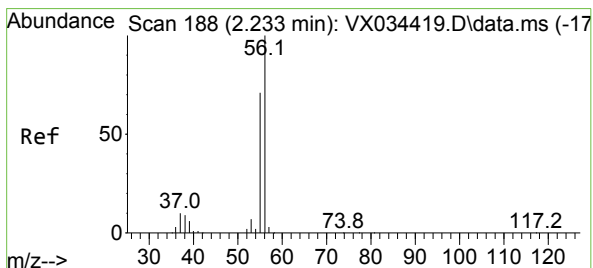
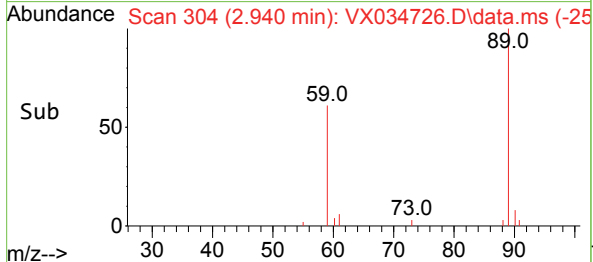
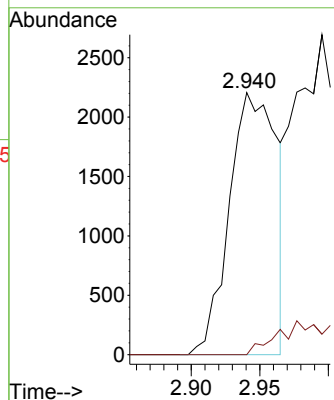
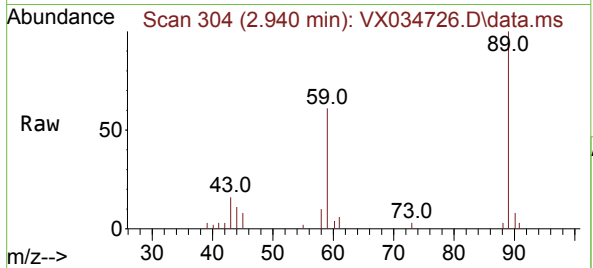




#11
Tert butyl alcohol
Concen: 5.673 ug/l
RT: 2.940 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX034726.D
Acq: 24 Mar 2023 17:15

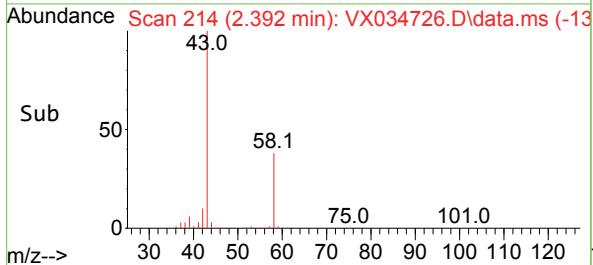
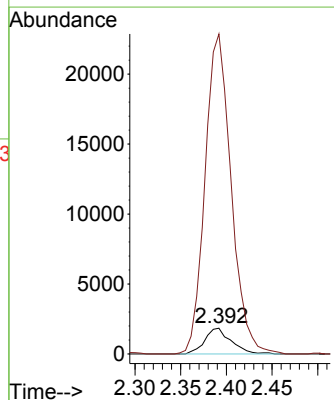
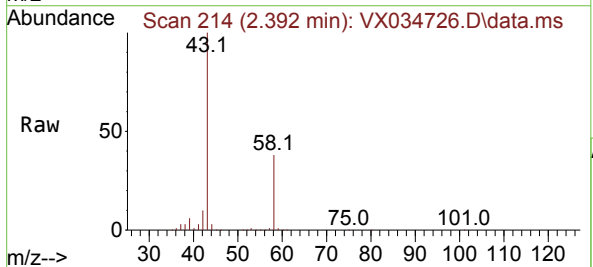
Instrument :
MSVOA_X
ClientSampleId :

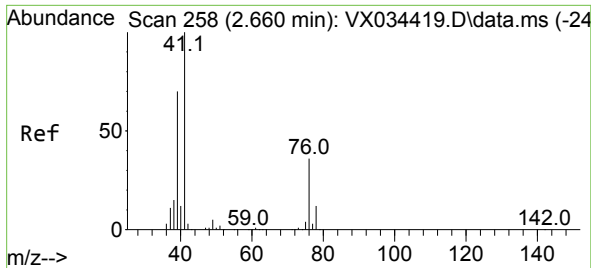
Tgt Ion: 59 Resp: 5311
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#13
Acrolein
Concen: 4.975 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.159 min
Lab File: VX034726.D
Acq: 24 Mar 2023 17:15

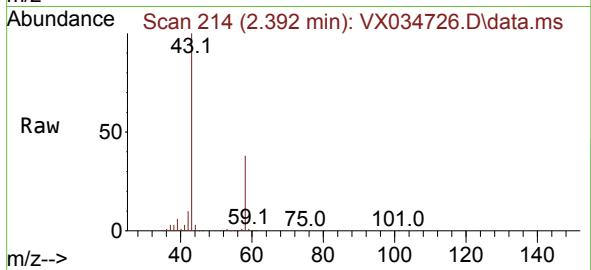
Tgt Ion: 56 Resp: 3685
Ion Ratio Lower Upper
56 100
55 1236.8 56.6 85.0#



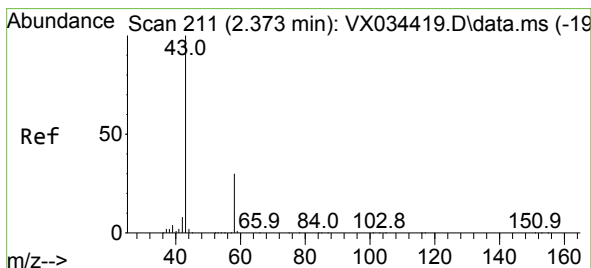
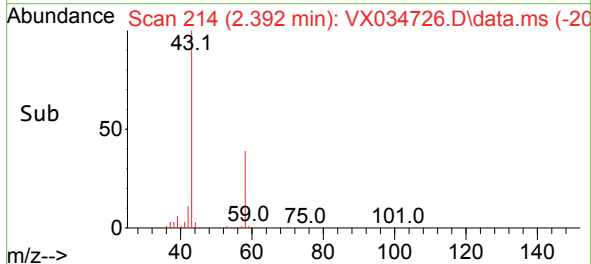
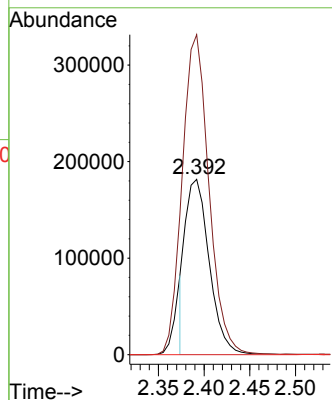


#14
 Allyl chloride
 Concen: 47.738 ug/l
 RT: 2.392 min Scan# 214
 Delta R.T. -0.268 min
 Lab File: VX034726.D
 Acq: 24 Mar 2023 17:15

Instrument :
 MSVOA_X
 ClientSampleId :

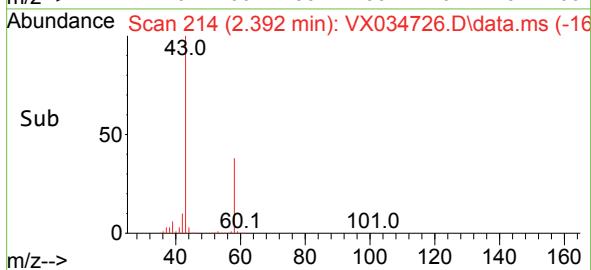
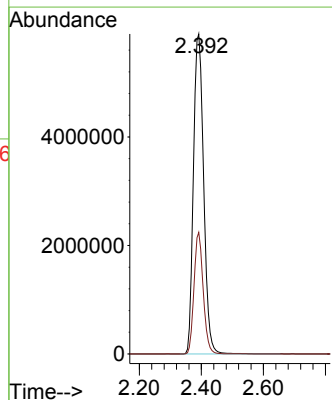
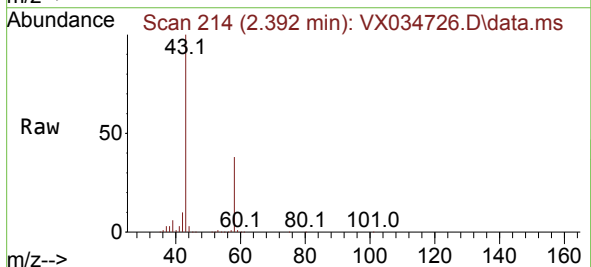


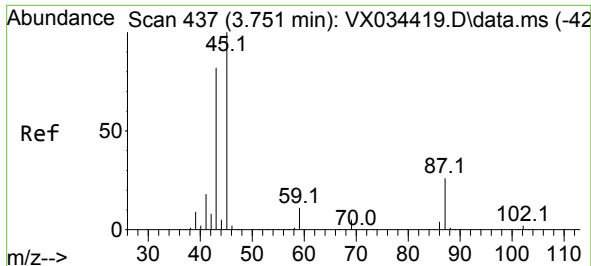
Tgt Ion: 41 Resp: 327420
 Ion Ratio Lower Upper
 41 100
 39 178.9 52.4 78.6#
 76 0.0 26.0 39.0#



#16
 Acetone
 Concen: 6362.874 ug/l
 RT: 2.392 min Scan# 214
 Delta R.T. 0.018 min
 Lab File: VX034726.D
 Acq: 24 Mar 2023 17:15

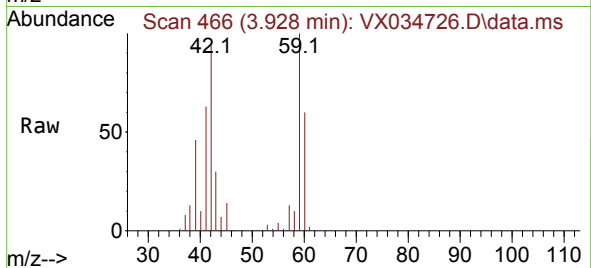
Tgt Ion: 43 Resp:13474846
 Ion Ratio Lower Upper
 43 100
 58 38.0 24.7 37.1#



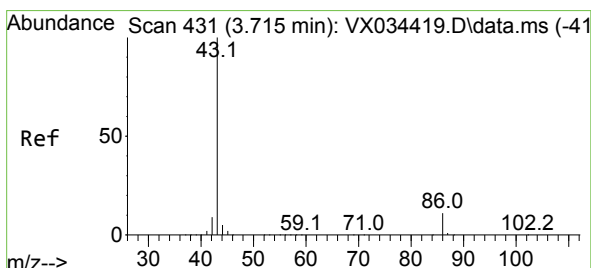
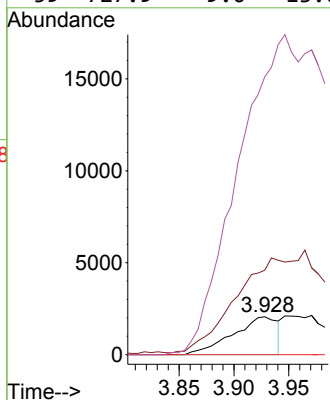
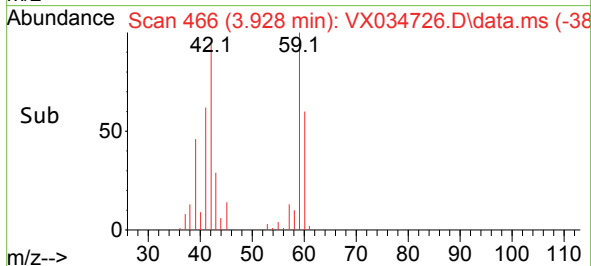


#22
Diisopropyl ether
Concen: 0.447 ug/l
RT: 3.928 min Scan# 466
Delta R.T. 0.177 min
Lab File: VX034726.D
Acq: 24 Mar 2023 17:15

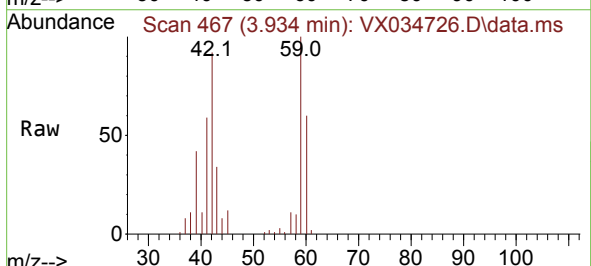
Instrument :
MSVOA_X
ClientSampleId :



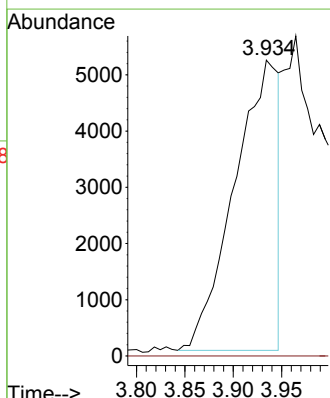
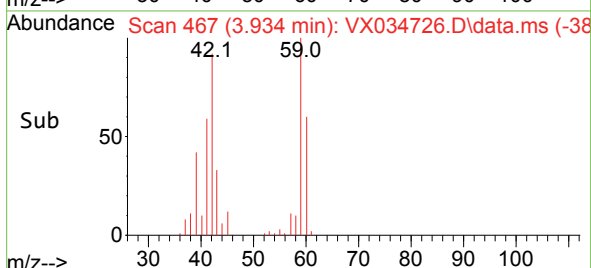
Tgt Ion: 45 Resp: 5845
Ion Ratio Lower Upper
45 100
43 213.9 65.4 98.2#
87 0.0 20.6 31.0#
59 727.9 9.0 13.6#

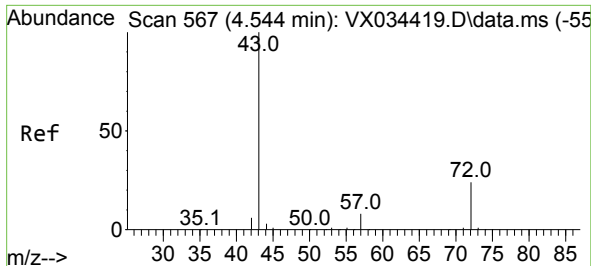


#23
Vinyl Acetate
Concen: 1.644 ug/l
RT: 3.934 min Scan# 467
Delta R.T. 0.219 min
Lab File: VX034726.D
Acq: 24 Mar 2023 17:15



Tgt Ion: 43 Resp: 16365
Ion Ratio Lower Upper
43 100
86 0.0 8.5 12.7#





#25

2-Butanone

Concen: 2.694 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX034726.D

Acq: 24 Mar 2023 17:15

Instrument :

MSVOA_X

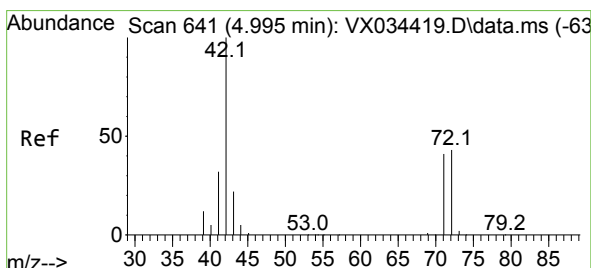
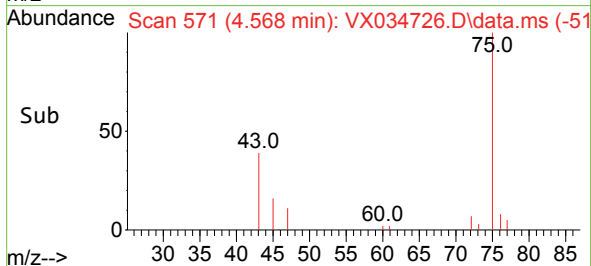
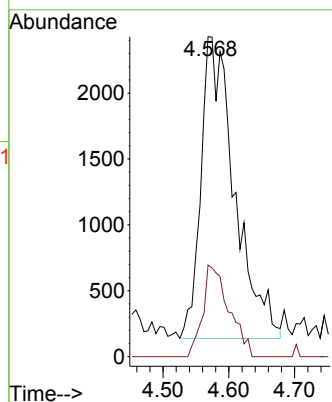
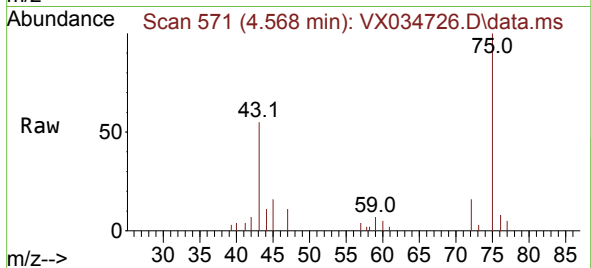
ClientSampleId :

Tgt Ion: 43 Resp: 8163

Ion Ratio Lower Upper

43 100

72 30.3 19.3 28.9#



#29

Tetrahydrofuran

Concen: 0.274 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.024 min

Lab File: VX034726.D

Acq: 24 Mar 2023 17:15

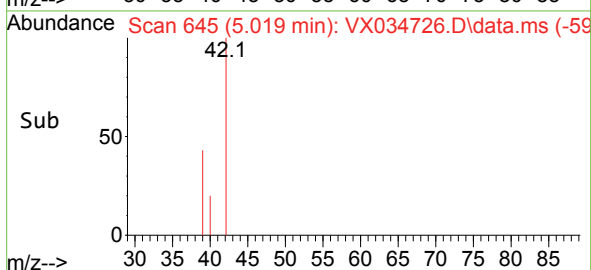
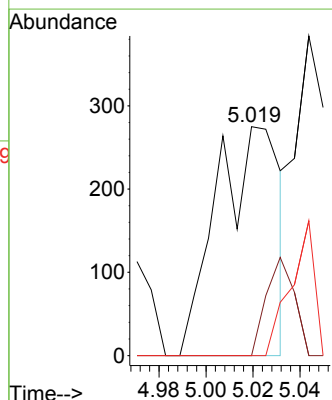
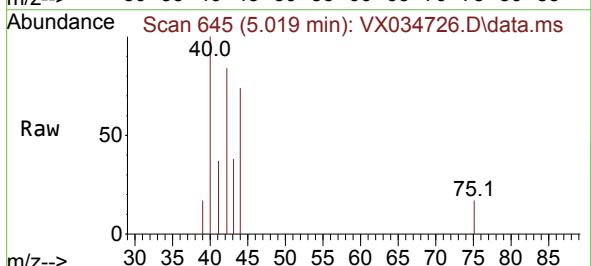
Tgt Ion: 42 Resp: 512

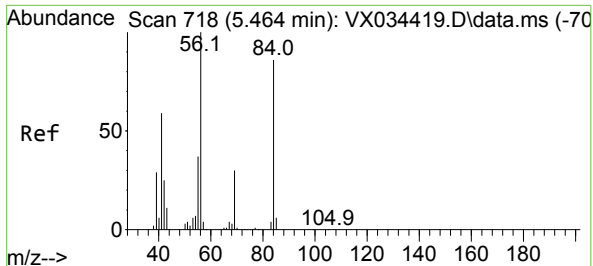
Ion Ratio Lower Upper

42 100

72 18.9 34.5 51.7#

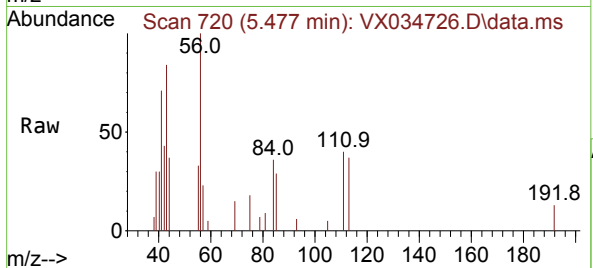
71 0.0 32.1 48.1#



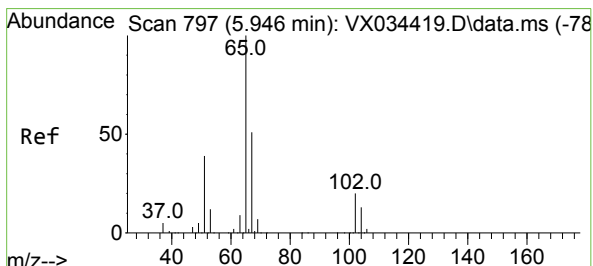
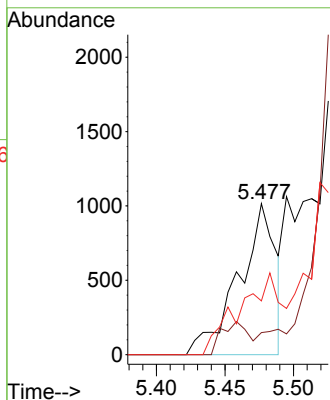
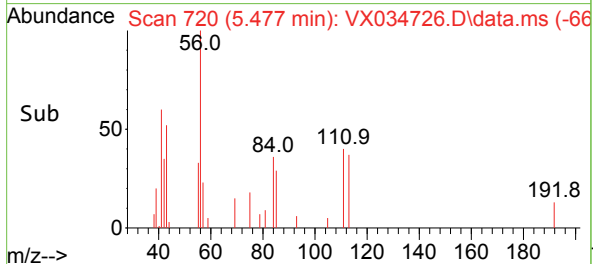


#31
Cyclohexane
Concen: 0.300 ug/l
RT: 5.477 min Scan# 718
Delta R.T. 0.012 min
Lab File: VX034726.D
Acq: 24 Mar 2023 17:15

Instrument :
MSVOA_X
ClientSampleId :

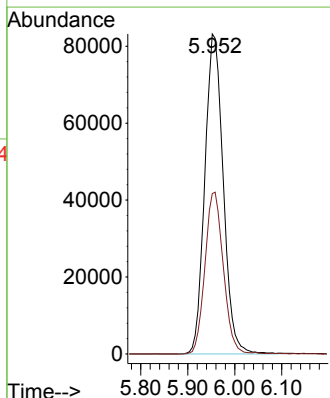
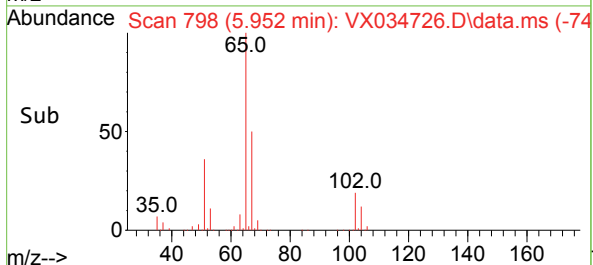
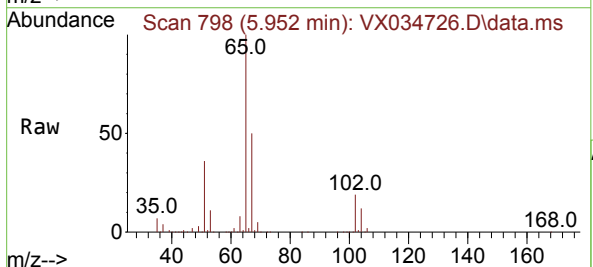


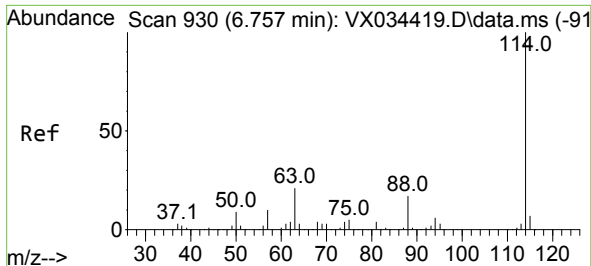
Tgt Ion: 56 Resp: 1893
Ion Ratio Lower Upper
56 100
69 14.6 23.7 35.5#
84 35.5 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 50.356 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034726.D
Acq: 24 Mar 2023 17:15

Tgt Ion: 65 Resp: 226390
Ion Ratio Lower Upper
65 100
67 50.3 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: VX034726.D

Acq: 24 Mar 2023 17:15

Instrument :

MSVOA_X

ClientSampleId :

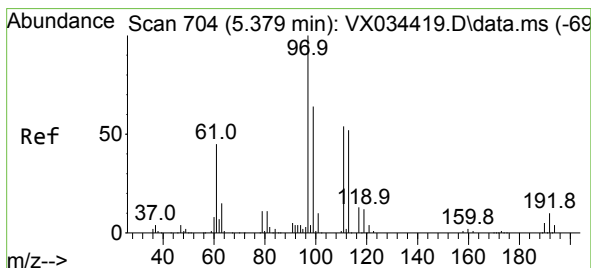
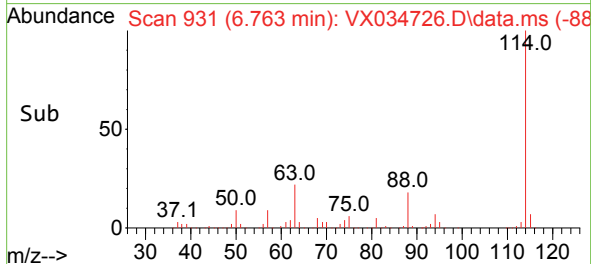
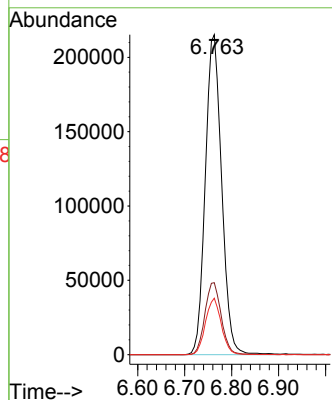
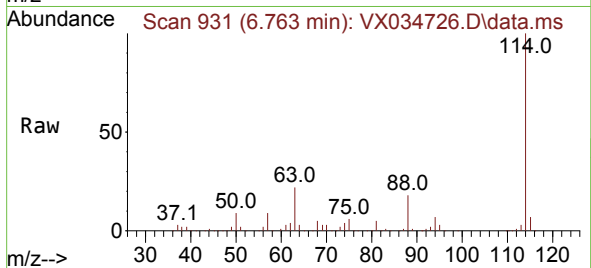
Tgt Ion:114 Resp: 519213

Ion Ratio Lower Upper

114 100

63 22.5 0.0 42.2

88 17.7 0.0 33.2



#35

Dibromofluoromethane

Concen: 47.185 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX034726.D

Acq: 24 Mar 2023 17:15

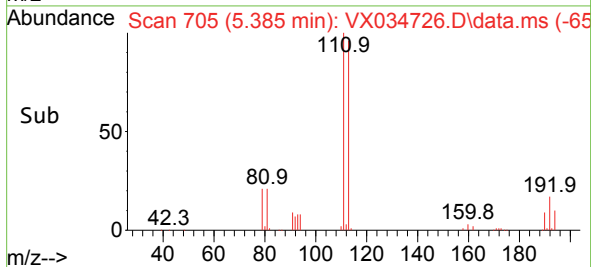
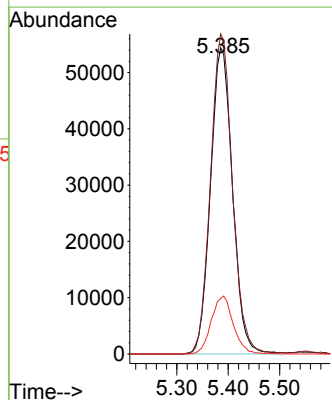
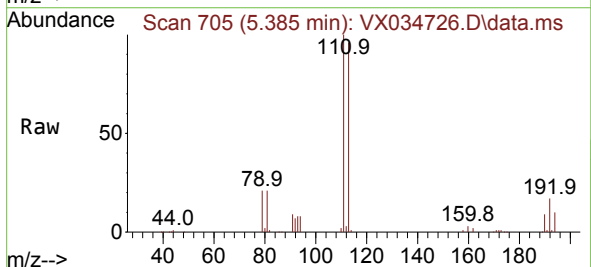
Tgt Ion:113 Resp: 161756

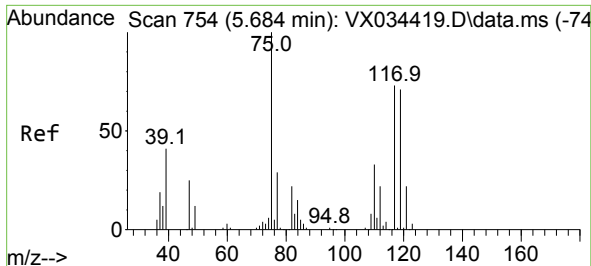
Ion Ratio Lower Upper

113 100

111 104.0 83.7 125.5

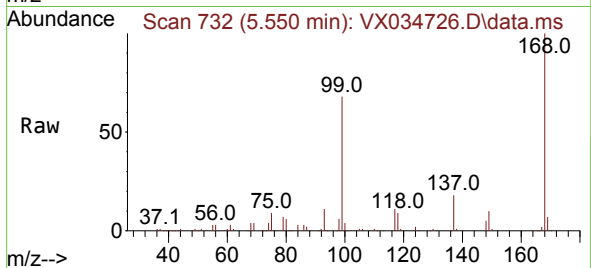
192 18.8 15.4 23.2



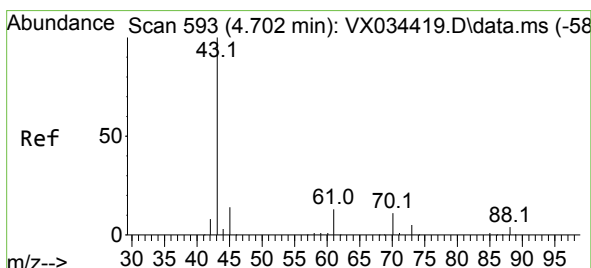
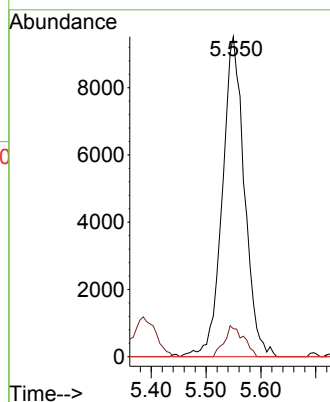
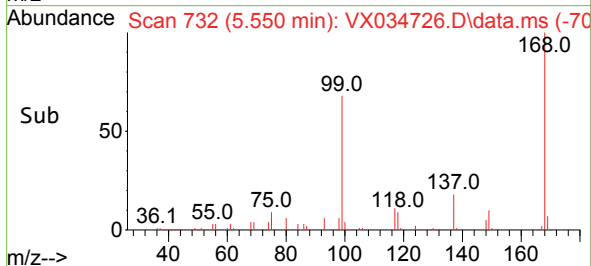


#36
1,1-Dichloropropene
Concen: 5.069 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX034726.D
Acq: 24 Mar 2023 17:15

Instrument :
MSVOA_X
ClientSampleId :

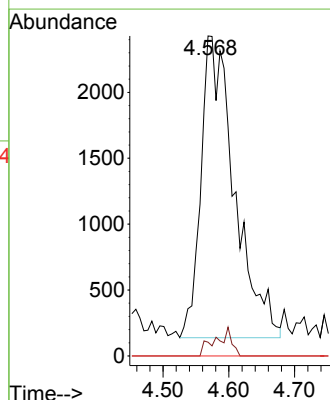
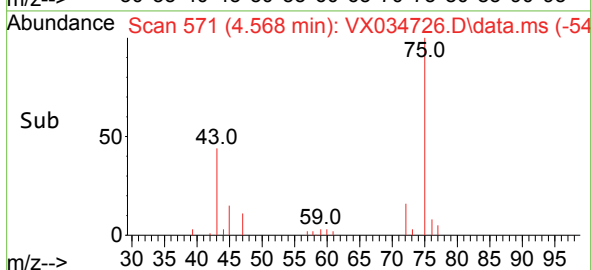
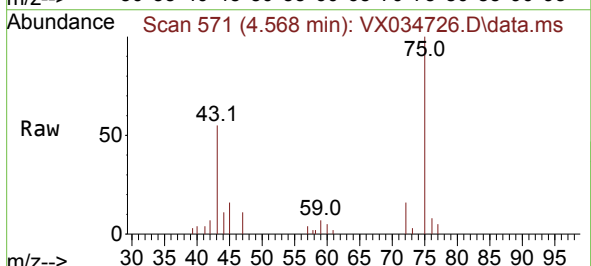


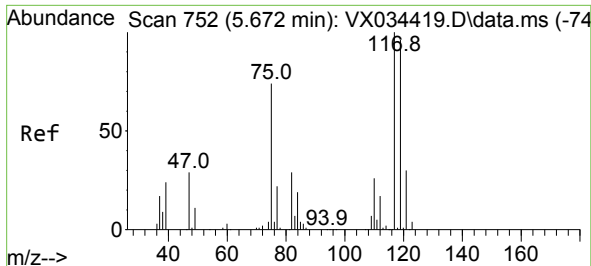
Tgt Ion: 75 Resp: 26688
Ion Ratio Lower Upper
75 100
110 8.4 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 1.419 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.134 min
Lab File: VX034726.D
Acq: 24 Mar 2023 17:15

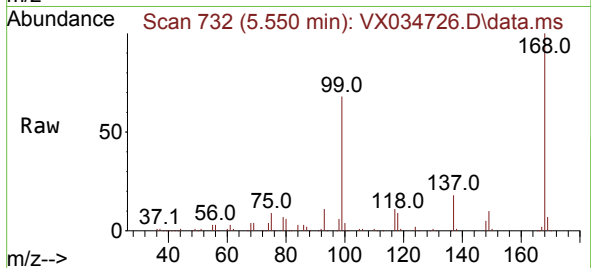
Tgt Ion: 43 Resp: 8163
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 8.2 12.4#



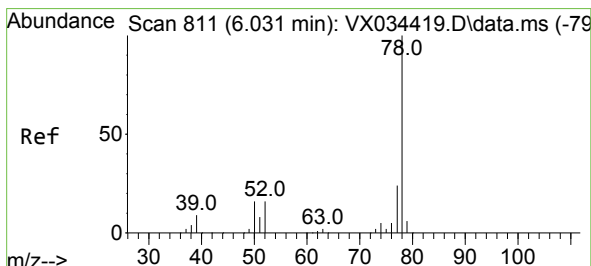
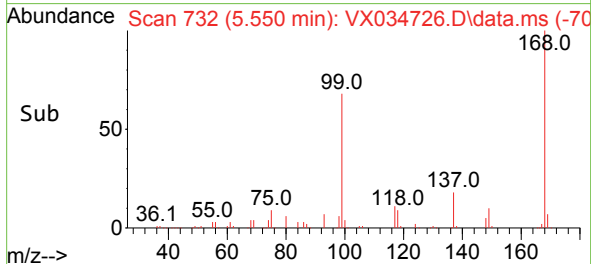
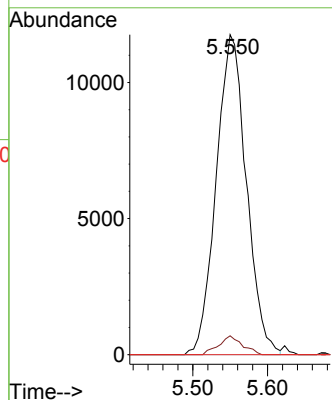


#38
Carbon Tetrachloride
Concen: 6.292 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX034726.D
Acq: 24 Mar 2023 17:15

Instrument :
MSVOA_X
ClientSampleId :

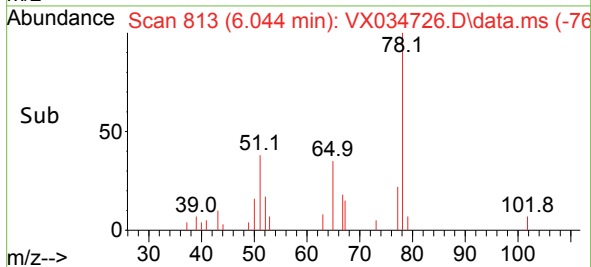
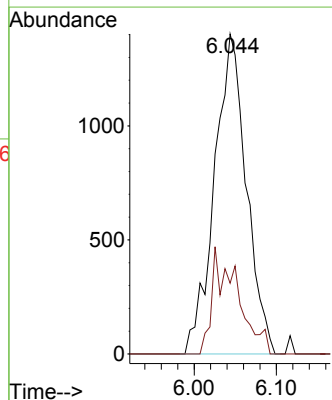
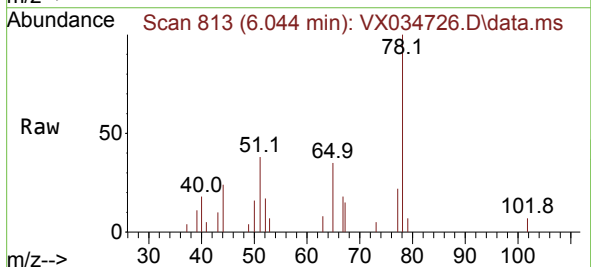


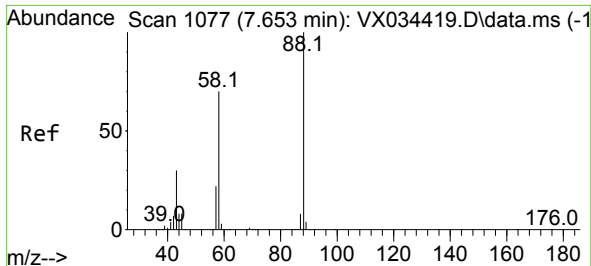
Tgt Ion:117 Resp: 32960
Ion Ratio Lower Upper
117 100
119 5.9 76.6 114.8#
121 0.0 23.8 35.6#



#40
Benzene
Concen: 0.246 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.012 min
Lab File: VX034726.D
Acq: 24 Mar 2023 17:15

Tgt Ion: 78 Resp: 3785
Ion Ratio Lower Upper
78 100
77 22.1 19.0 28.4





#49

1,4-Dioxane

Concen: 0.762 ug/l

RT: 7.726 min Scan# 1089

Delta R.T. 0.073 min

Lab File: VX034726.D

Acq: 24 Mar 2023 17:15

Instrument :

MSVOA_X

ClientSampleId :

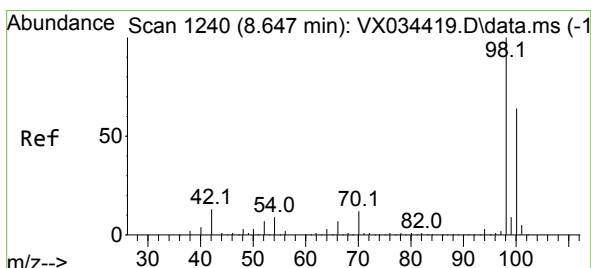
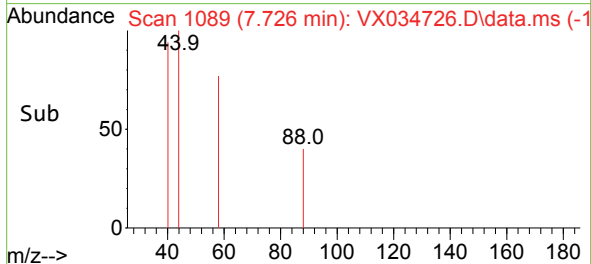
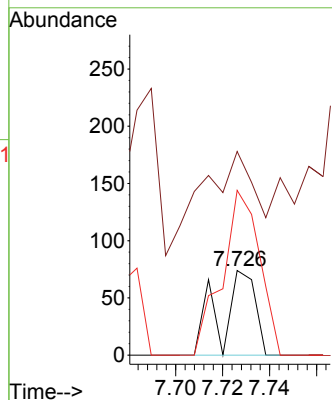
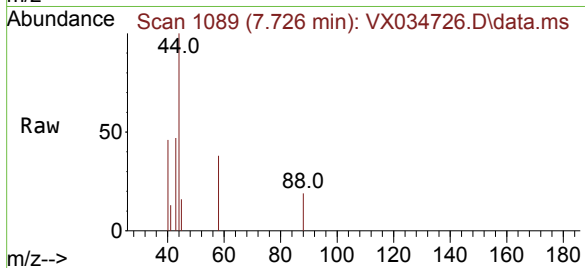
Tgt Ion: 88 Resp: 75

Ion Ratio Lower Upper

88 100

43 104.0 27.7 41.5#

58 213.3 56.8 85.2#



#50

Toluene-d8

Concen: 48.324 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX034726.D

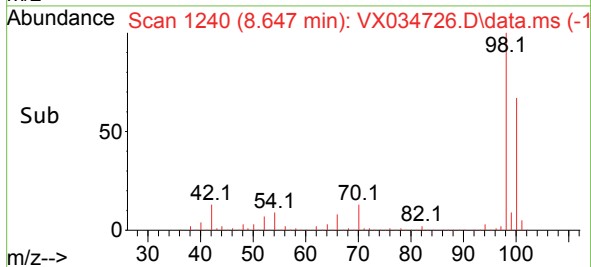
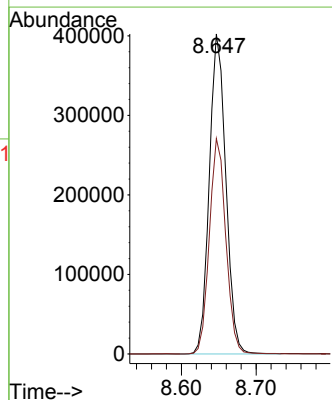
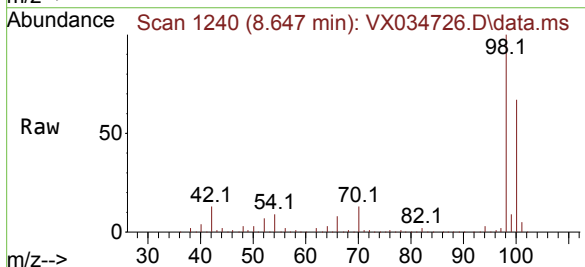
Acq: 24 Mar 2023 17:15

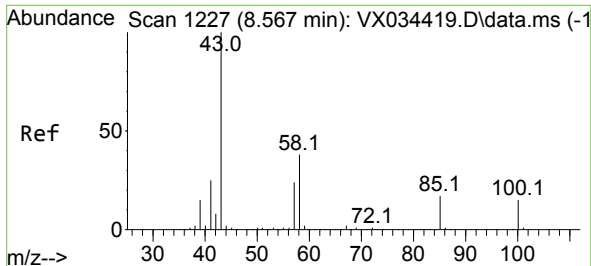
Tgt Ion: 98 Resp: 618416

Ion Ratio Lower Upper

98 100

100 67.0 52.5 78.7

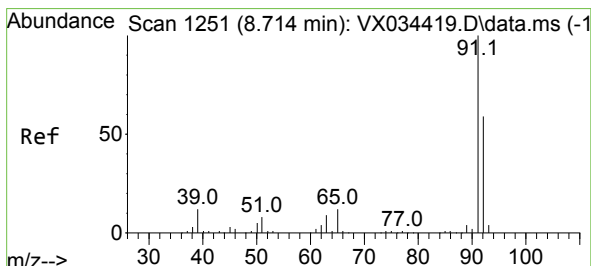
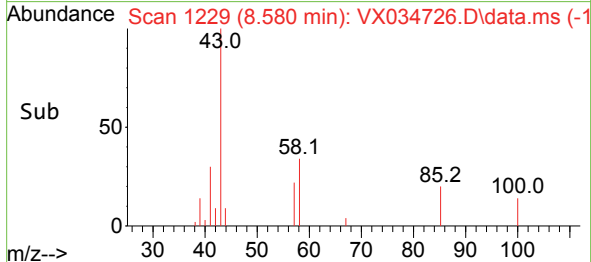
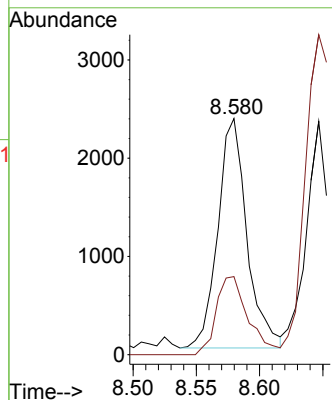
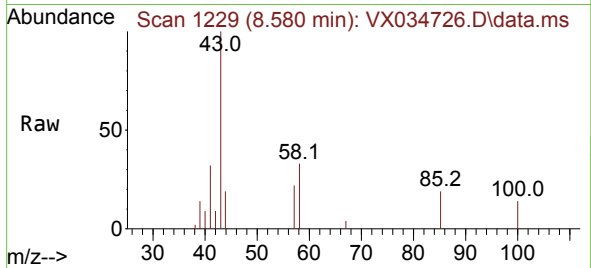




#51
4-Methyl-2-Pentanone
Concen: 0.660 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX034726.D
Acq: 24 Mar 2023 17:15

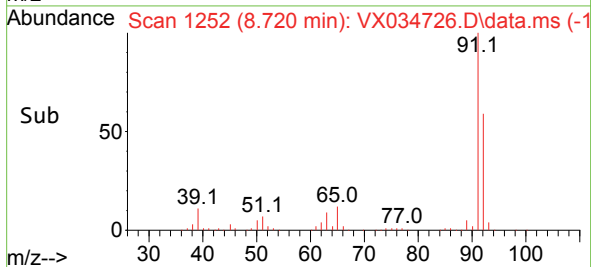
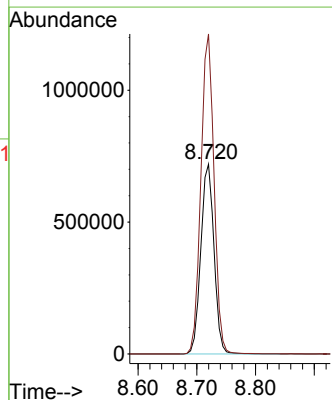
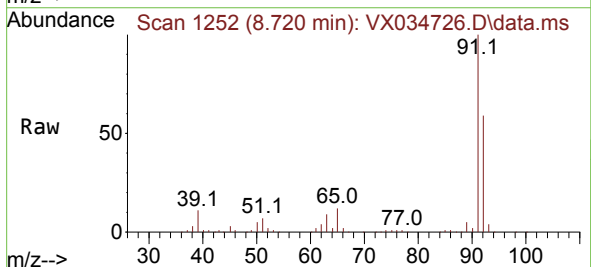
Instrument :
MSVOA_X
ClientSampleId :

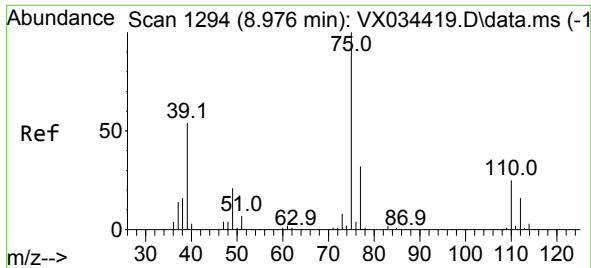
Tgt Ion: 43 Resp: 3730
Ion Ratio Lower Upper
43 100
58 37.5 30.6 46.0



#52
Toluene
Concen: 117.392 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX034726.D
Acq: 24 Mar 2023 17:15

Tgt Ion: 92 Resp: 1119470
Ion Ratio Lower Upper
92 100
91 168.1 136.8 205.2

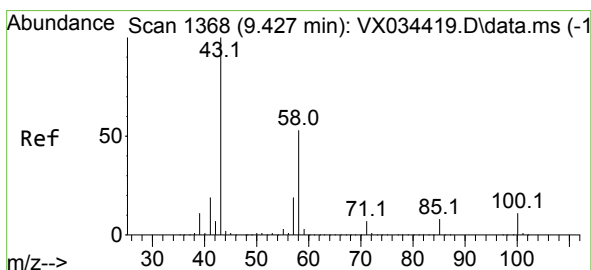
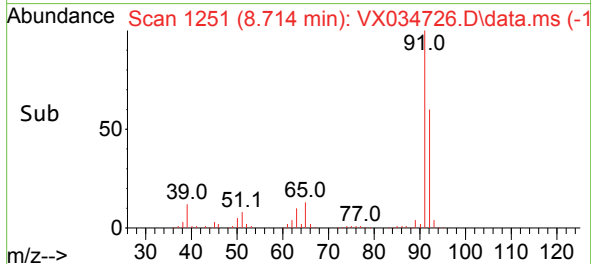
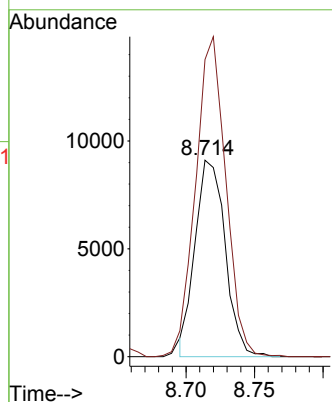
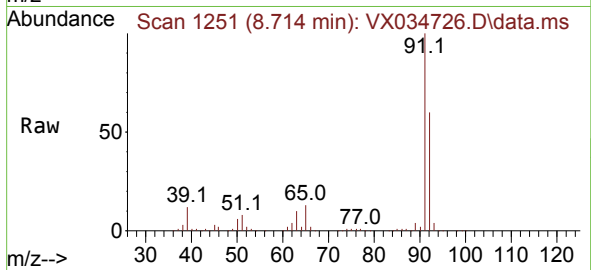




#53
t-1,3-Dichloropropene
Concen: 2.331 ug/l
RT: 8.714 min Scan# 11
Delta R.T. -0.262 min
Lab File: VX034726.D
Acq: 24 Mar 2023 17:15

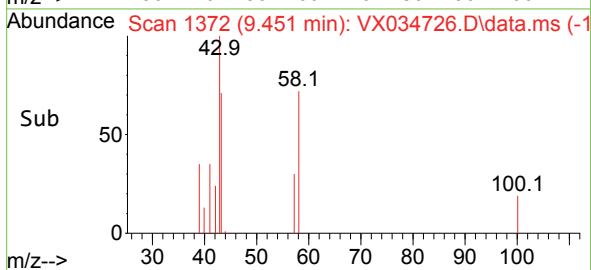
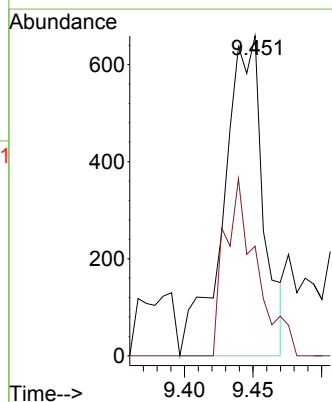
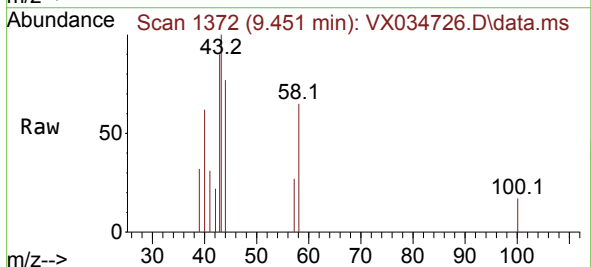
Instrument :
MSVOA_X
ClientSampleId :

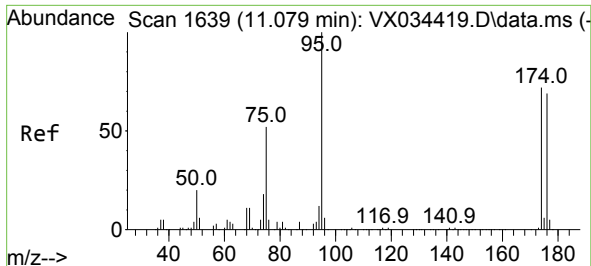
Tgt Ion: 75 Resp: 13894
Ion Ratio Lower Upper
75 100
77 150.6 25.4 38.2#



#59
2-Hexanone
Concen: 0.303 ug/l
RT: 9.451 min Scan# 1372
Delta R.T. 0.024 min
Lab File: VX034726.D
Acq: 24 Mar 2023 17:15

Tgt Ion: 43 Resp: 1323
Ion Ratio Lower Upper
43 100
58 44.7 26.3 78.9

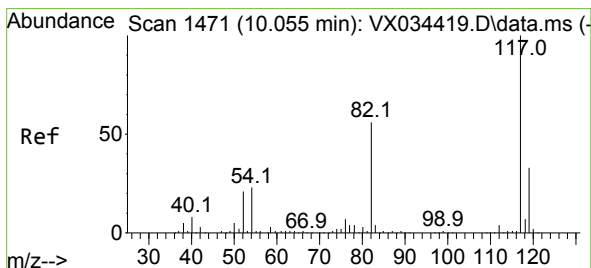
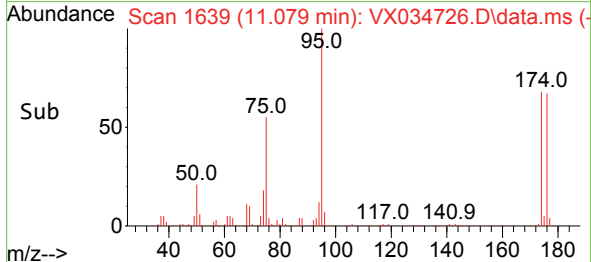
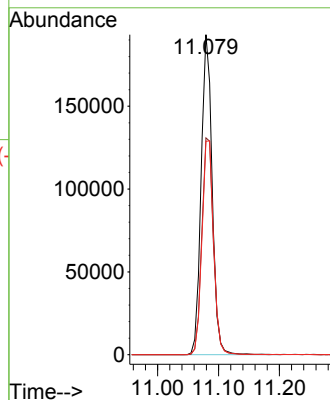
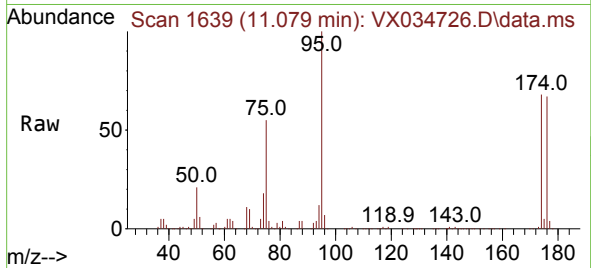




#62
4-Bromofluorobenzene
Concen: 46.796 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX034726.D
Acq: 24 Mar 2023 17:15

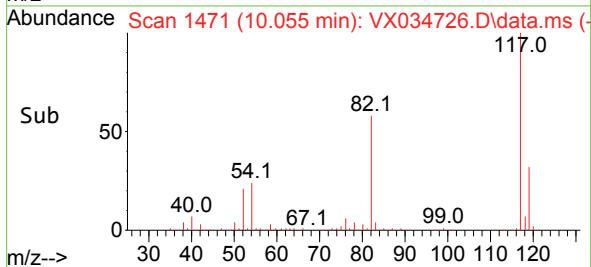
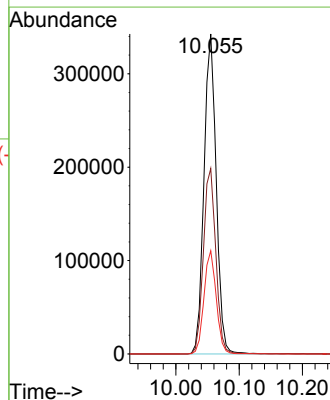
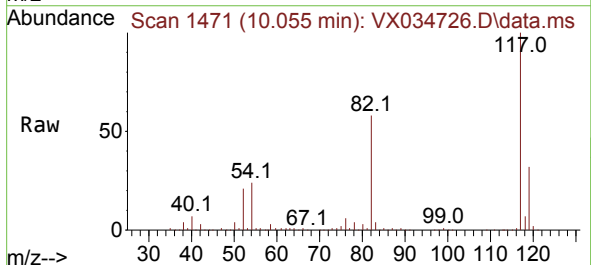
Instrument :
MSVOA_X
ClientSampleId :

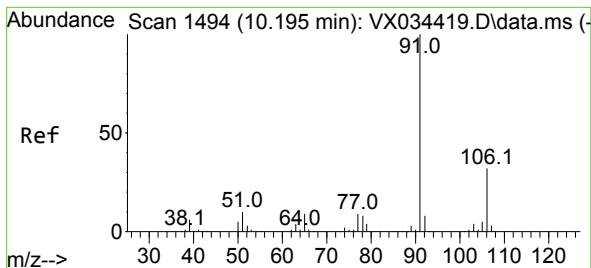
Tgt Ion: 95 Resp: 241894
Ion Ratio Lower Upper
95 100
174 71.2 0.0 147.4
176 70.5 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034726.D
Acq: 24 Mar 2023 17:15

Tgt Ion: 117 Resp: 462621
Ion Ratio Lower Upper
117 100
82 58.0 45.0 67.4
119 32.3 26.0 39.0





#67

Ethyl Benzene

Concen: 0.340 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX034726.D

Acq: 24 Mar 2023 17:15

Instrument :

MSVOA_X

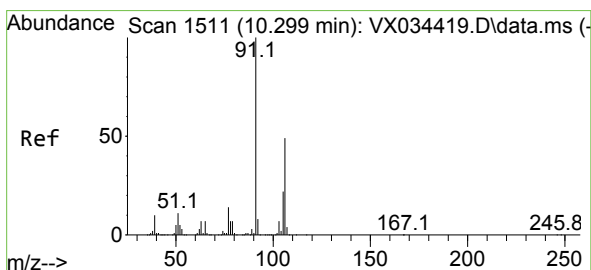
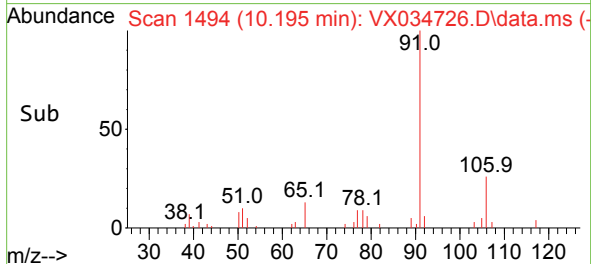
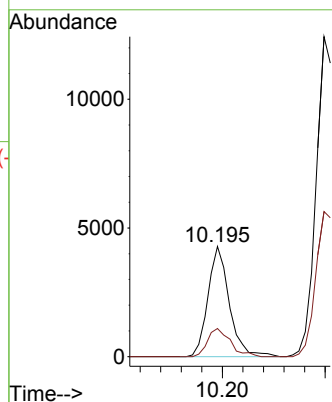
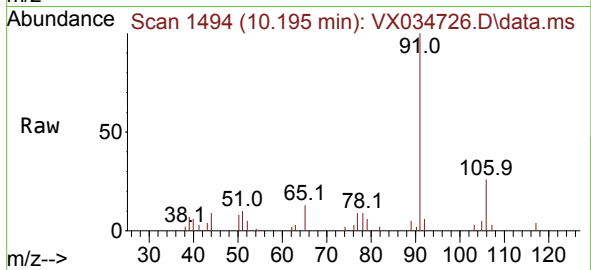
ClientSampleId :

Tgt Ion: 91 Resp: 6180

Ion Ratio Lower Upper

91 100

106 25.6 25.6 38.4



#68

m/p-Xylenes

Concen: 1.207 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX034726.D

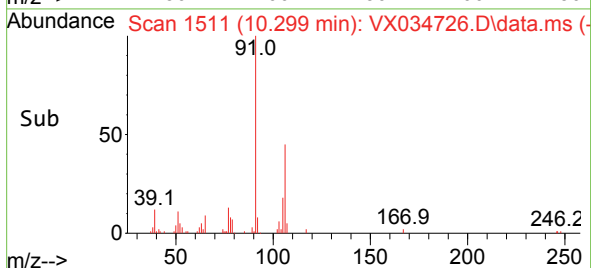
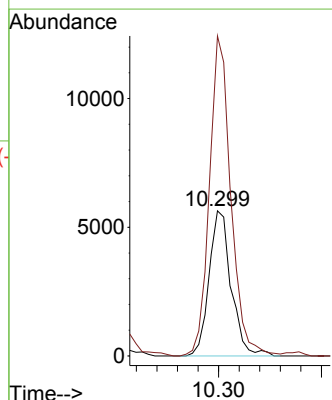
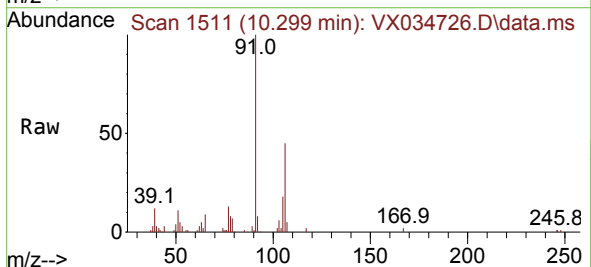
Acq: 24 Mar 2023 17:15

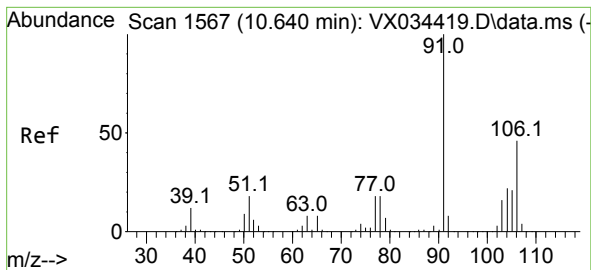
Tgt Ion: 106 Resp: 8428

Ion Ratio Lower Upper

106 100

91 213.8 164.0 246.0





#69

o-Xylene

Concen: 0.710 ug/l

RT: 10.640 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX034726.D

Acq: 24 Mar 2023 17:15

Instrument :

MSVOA_X

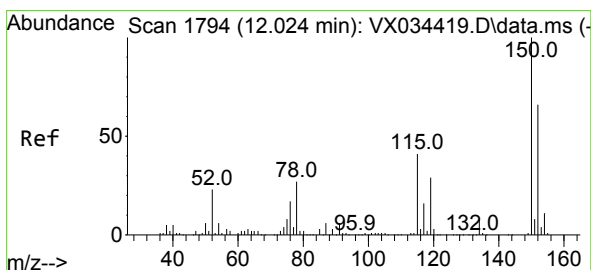
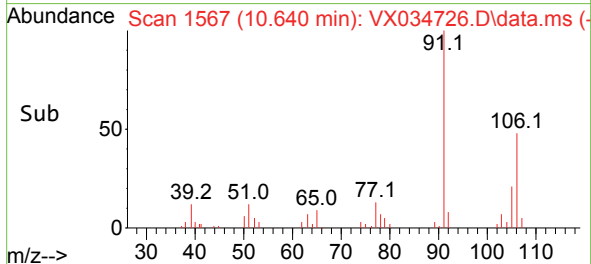
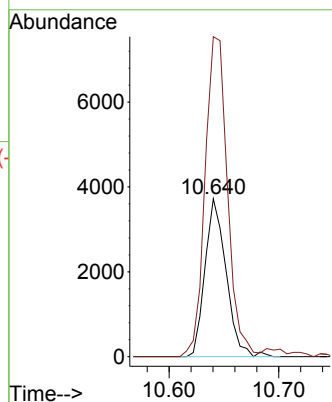
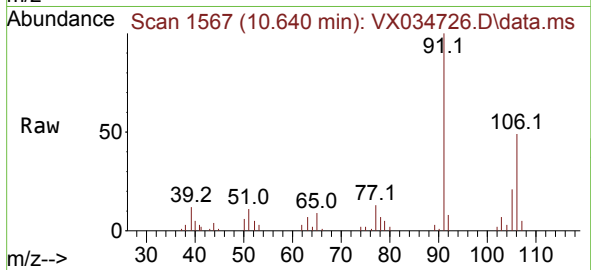
ClientSampleId :

Tgt Ion:106 Resp: 4972

Ion Ratio Lower Upper

106 100

91 215.5 108.5 325.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX034726.D

Acq: 24 Mar 2023 17:15

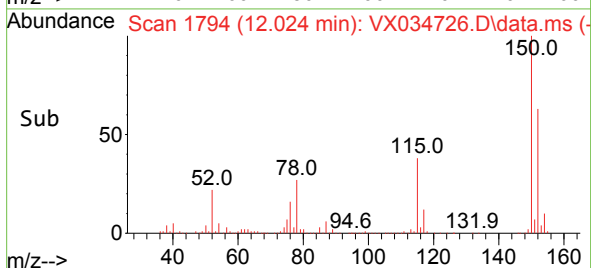
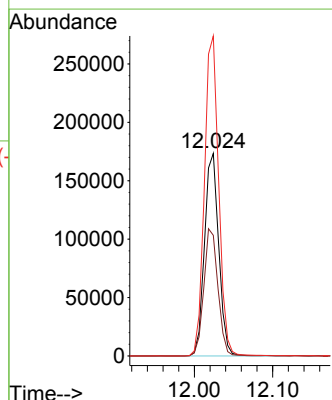
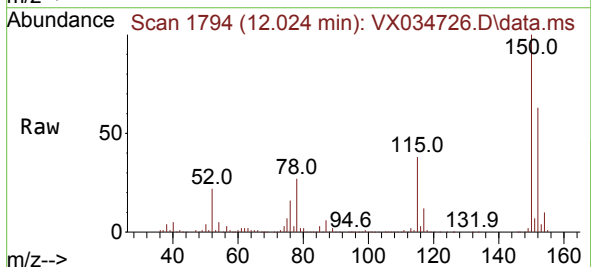
Tgt Ion:152 Resp: 218508

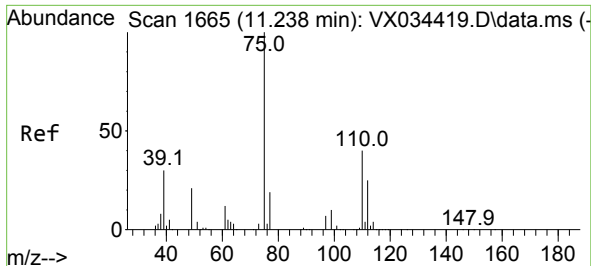
Ion Ratio Lower Upper

152 100

115 62.4 45.0 135.0

150 157.8 0.0 352.4

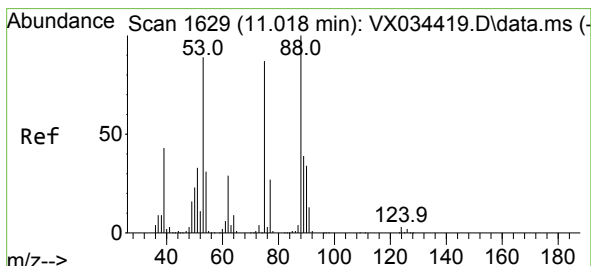
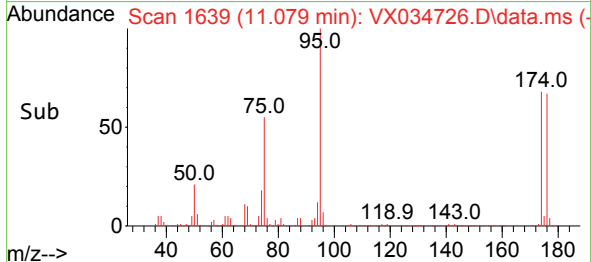
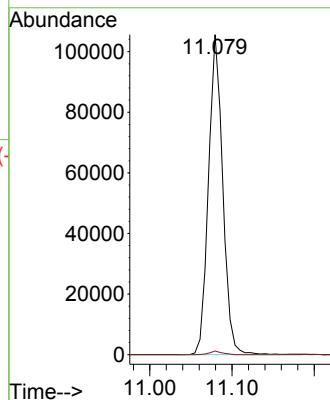
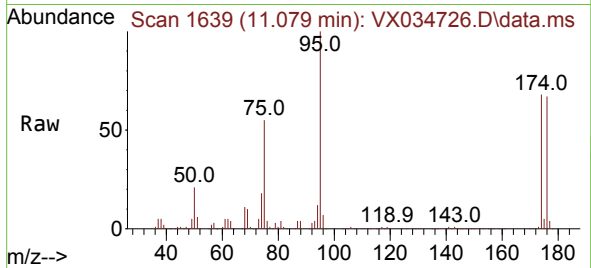




#76
1,2,3-Trichloropropane
Concen: 25.312 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034726.D
Acq: 24 Mar 2023 17:15

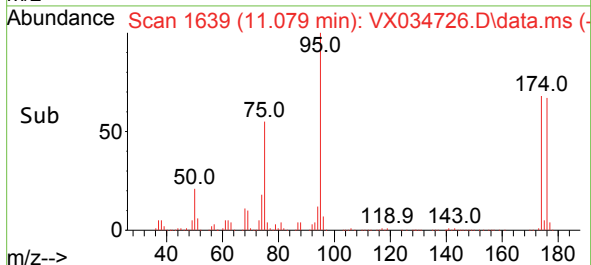
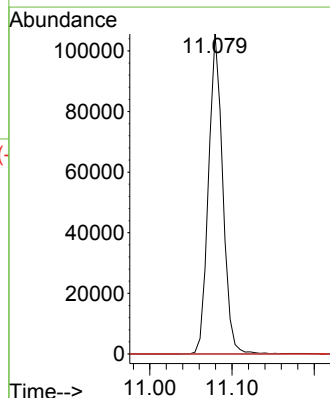
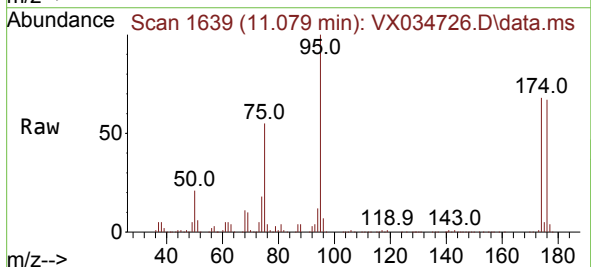
Instrument :
MSVOA_X
ClientSampleId :

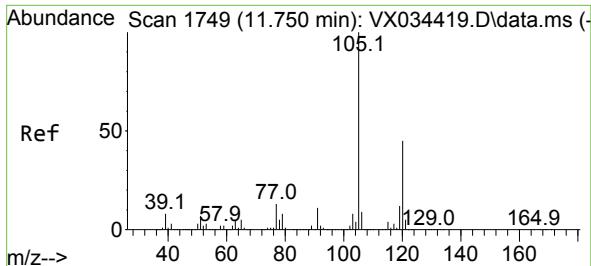
Tgt Ion: 75 Resp: 126993
Ion Ratio Lower Upper
75 100
77 1.0 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.475 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034726.D
Acq: 24 Mar 2023 17:15

Tgt Ion: 75 Resp: 126993
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

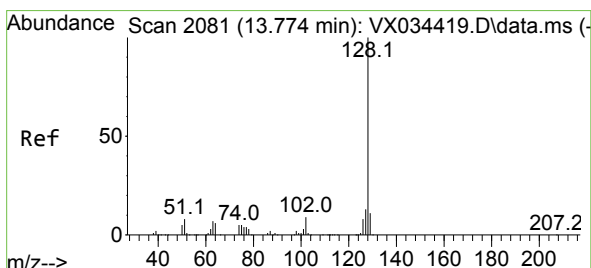
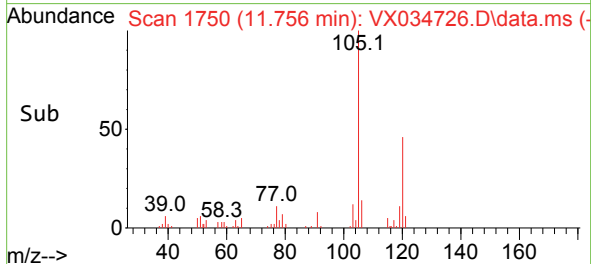
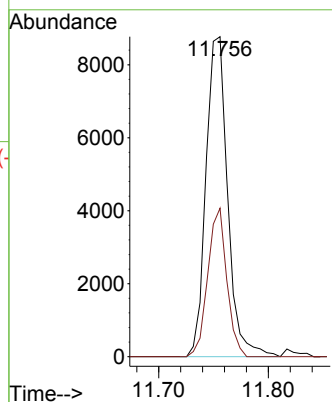
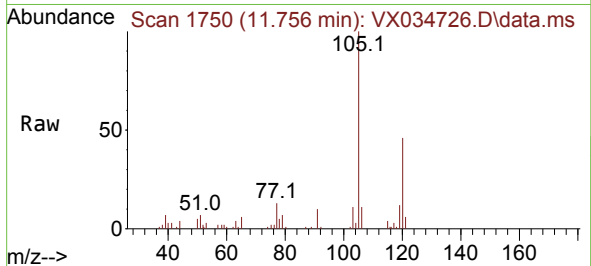




#84
1,2,4-Trimethylbenzene
Concen: 0.833 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX034726.D
Acq: 24 Mar 2023 17:15

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:105 Resp: 12054
Ion Ratio Lower Upper
105 100
120 40.7 22.4 67.0



#95
Naphthalene
Concen: 0.909 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX034726.D
Acq: 24 Mar 2023 17:15

Tgt Ion:128 Resp: 14619
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 12.1 8.6 13.0

