

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032423\
 Data File : VX034733.D
 Acq On : 24 Mar 2023 19:57
 Operator : JC/MD
 Sample : 02080-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

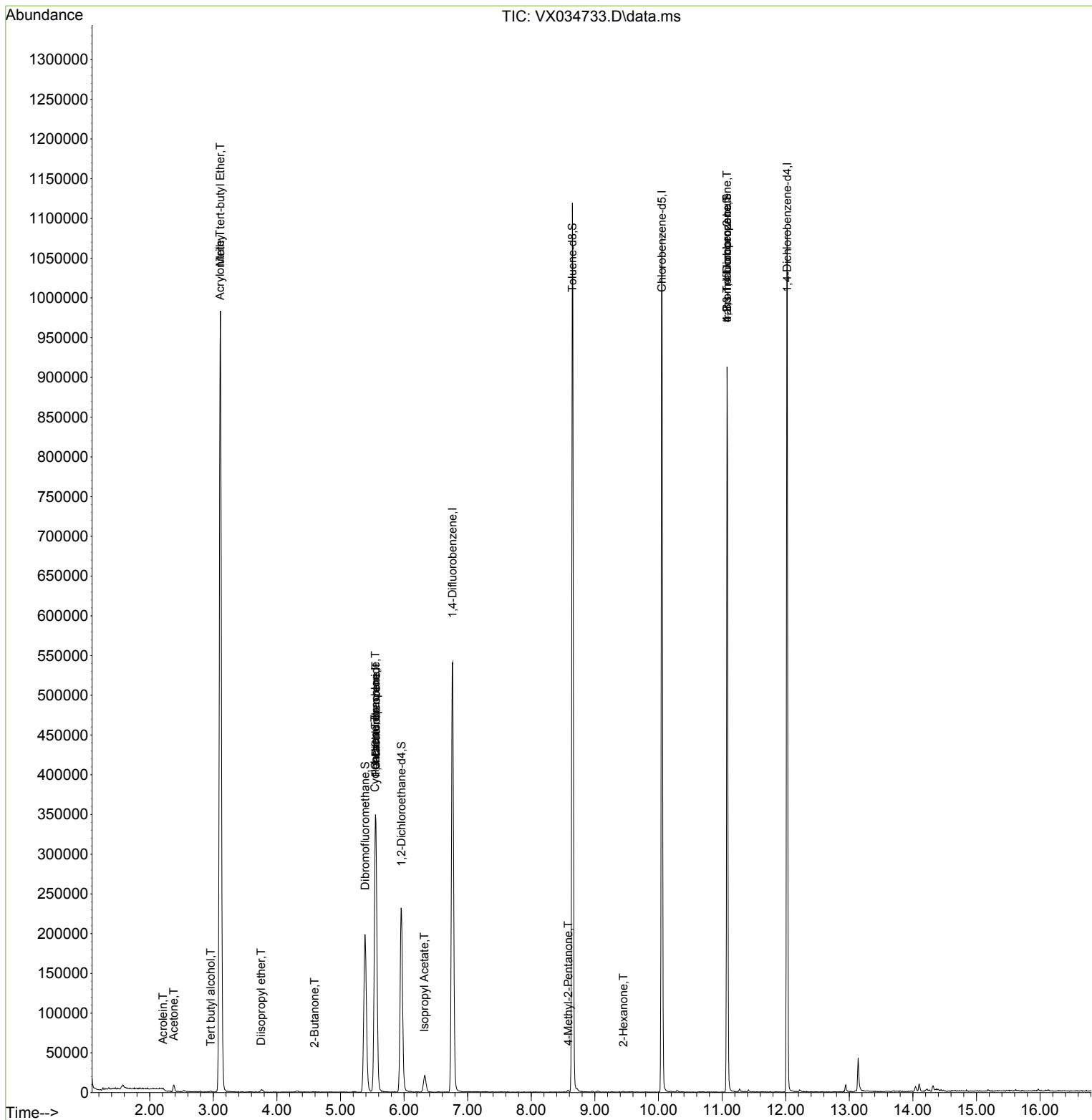
Quant Time: Mar 27 01:35:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	321286	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	545628	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	485876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	221777	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	228661	48.921	ug/l	0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.840%
35) Dibromofluoromethane	5.385	113	173522	48.167	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.340%
50) Toluene-d8	8.647	98	650518	48.372	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.740%
62) 4-Bromofluorobenzene	11.079	95	251706	46.337	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.680%
Target Compounds						
					Qvalue	
3) Chloromethane	1.306	50	289	Below Cal		89
11) Tert butyl alcohol	2.959	59	1103	1.133	ug/l #	73
13) Acrolein	2.209	56	482	0.626	ug/l #	71
15) Acrylonitrile	3.105	53	10921	5.194	ug/l #	29
16) Acetone	2.379	43	9111	4.138	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	1079531	85.722	ug/l	98
22) Diisopropyl ether	3.751	45	3460	0.254	ug/l #	70
25) 2-Butanone	4.592	43	732	0.232	ug/l #	51
31) Cyclohexane	5.543	56	7377	1.125	ug/l #	9
36) 1,1-Dichloropropene	5.556	75	27150	4.907	ug/l #	51
38) Carbon Tetrachloride	5.550	117	34361	6.242	ug/l #	16
43) Isopropyl Acetate	6.318	43	8745	0.854	ug/l #	25
51) 4-Methyl-2-Pentanone	8.579	43	1606	0.270	ug/l	92
59) 2-Hexanone	9.451	43	1117	0.243	ug/l #	58
76) 1,2,3-Trichloropropane	11.079	75	130381	25.604	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	130381	69.266	ug/l #	8

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

Quant Time: Mar 27 01:35:58 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

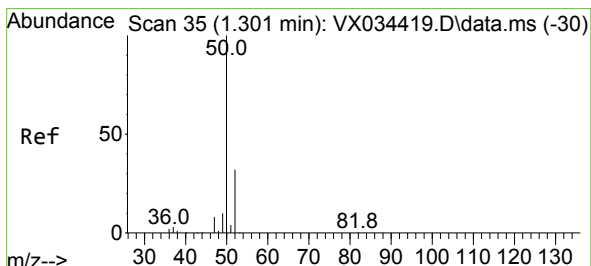
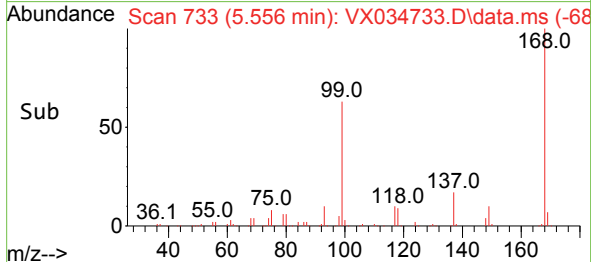
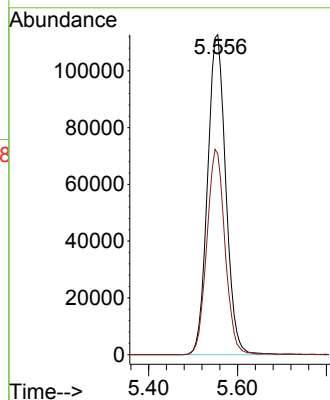
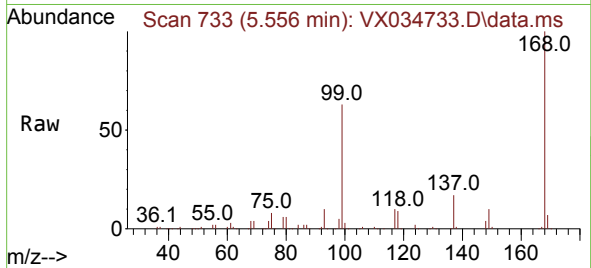




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX034733.D
Acq: 24 Mar 2023 19:57

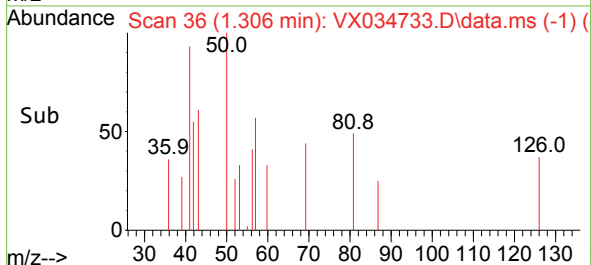
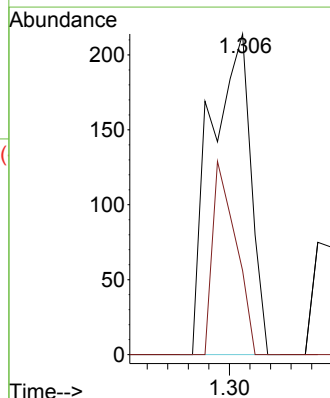
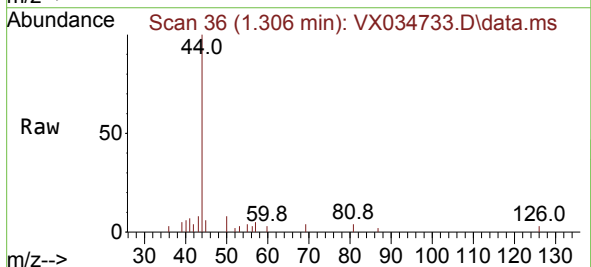
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:168 Resp: 321286
Ion Ratio Lower Upper
168 100
99 62.8 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.306 min Scan# 36
Delta R.T. 0.005 min
Lab File: VX034733.D
Acq: 24 Mar 2023 19:57

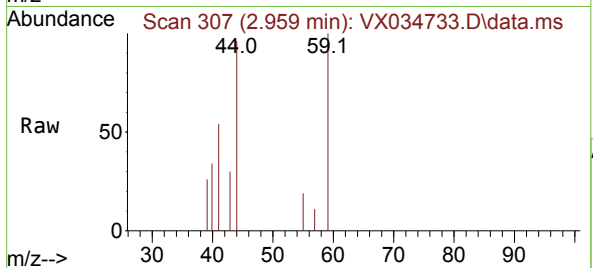
Tgt Ion: 50 Resp: 289
Ion Ratio Lower Upper
50 100
52 26.2 25.9 38.9



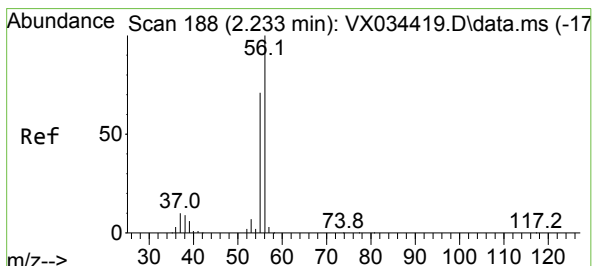
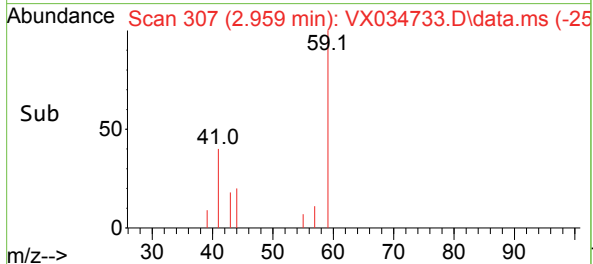
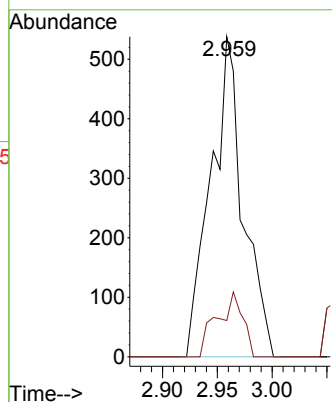


#11
Tert butyl alcohol
Concen: 1.133 ug/l
RT: 2.959 min Scan# 306
Delta R.T. 0.006 min
Lab File: VX034733.D
Acq: 24 Mar 2023 19:57

Instrument :
MSVOA_X
ClientSampleId :

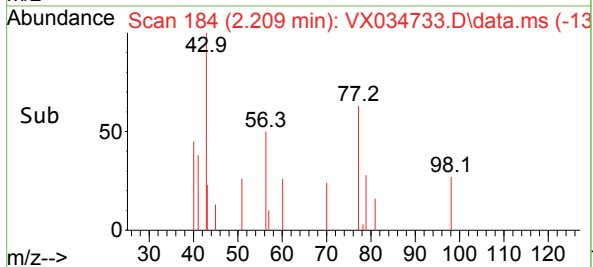
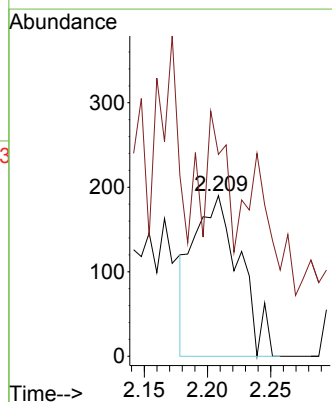
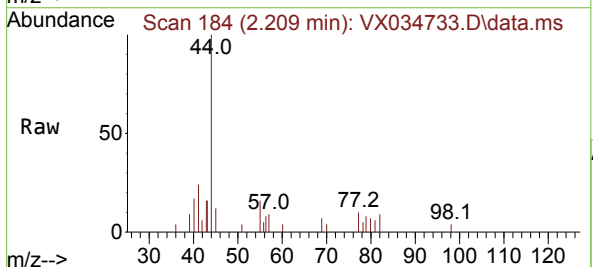


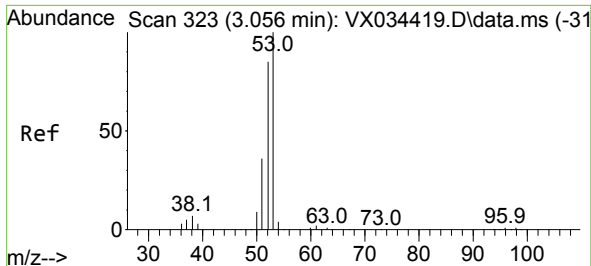
Tgt Ion: 59 Resp: 1103
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#13
Acrolein
Concen: 0.626 ug/l
RT: 2.209 min Scan# 184
Delta R.T. -0.024 min
Lab File: VX034733.D
Acq: 24 Mar 2023 19:57

Tgt Ion: 56 Resp: 482
Ion Ratio Lower Upper
56 100
55 47.1 56.6 85.0#

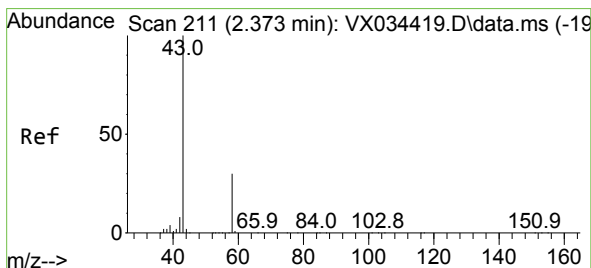
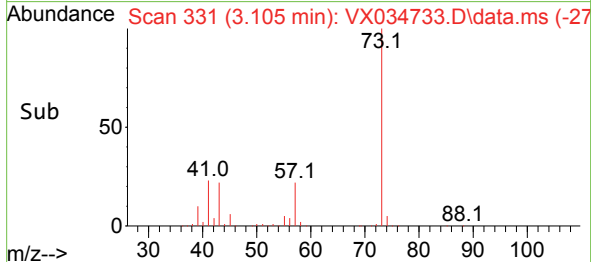
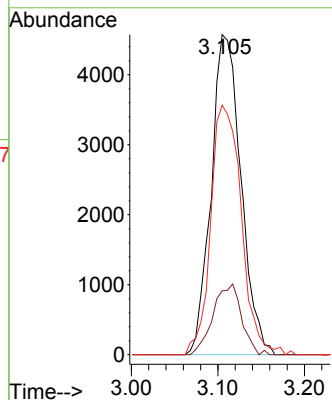
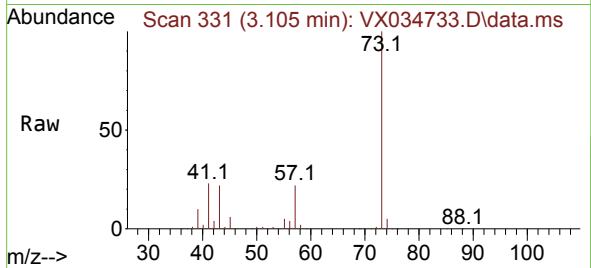




#15
Acrylonitrile
Concen: 5.194 ug/l
RT: 3.105 min Scan# 31
Delta R.T. 0.049 min
Lab File: VX034733.D
Acq: 24 Mar 2023 19:57

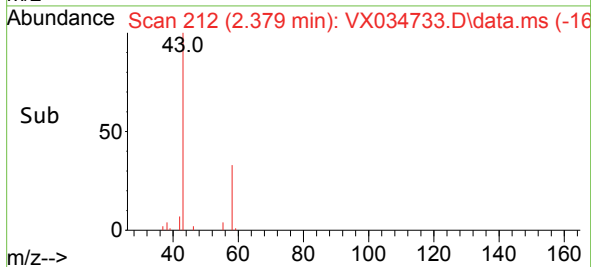
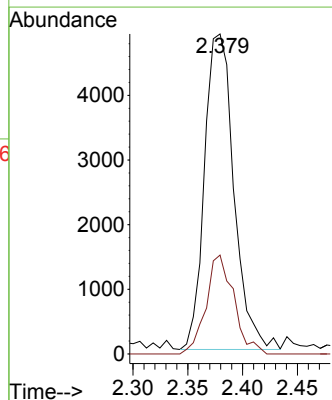
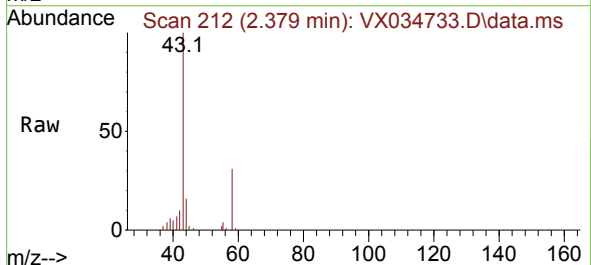
Instrument :
MSVOA_X
ClientSampleId :

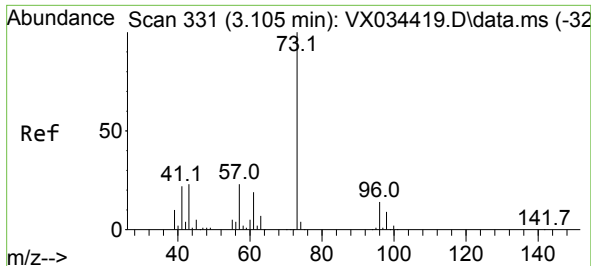
Tgt Ion: 53 Resp: 10921
Ion Ratio Lower Upper
53 100
52 21.1 66.2 99.2#
51 80.1 28.3 42.5#



#16
Acetone
Concen: 4.138 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX034733.D
Acq: 24 Mar 2023 19:57

Tgt Ion: 43 Resp: 9111
Ion Ratio Lower Upper
43 100
58 31.3 24.7 37.1

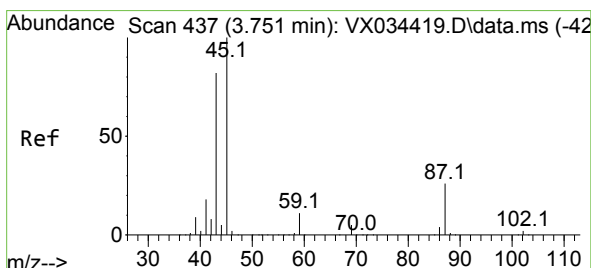
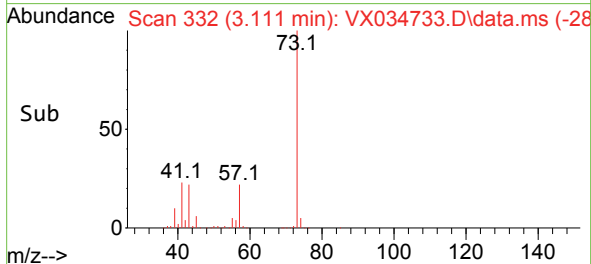
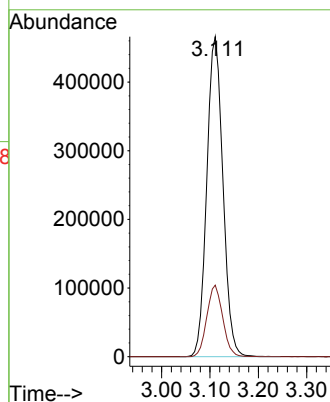
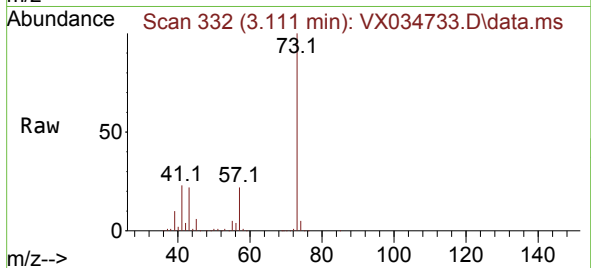




#19
Methyl tert-butyl Ether
Concen: 85.722 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX034733.D
Acq: 24 Mar 2023 19:57

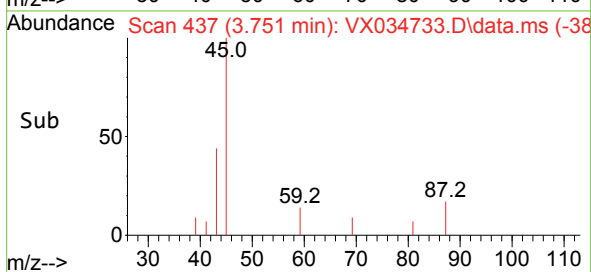
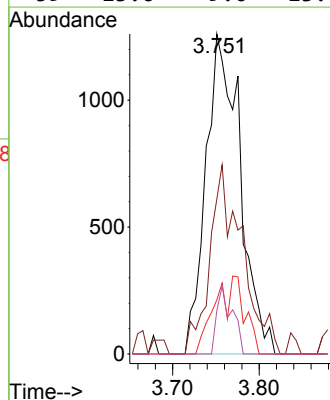
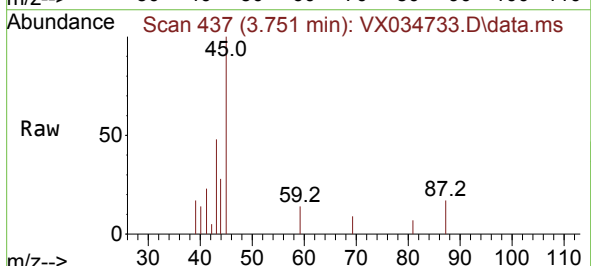
Instrument :
MSVOA_X
ClientSampleId :

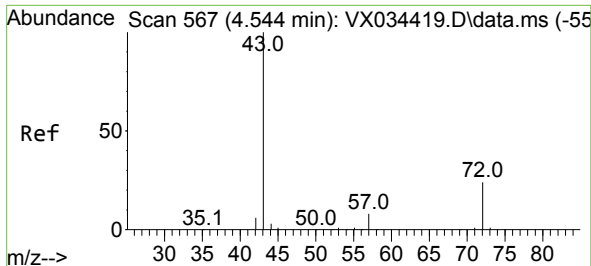
Tgt Ion: 73 Resp: 1079531
Ion Ratio Lower Upper
73 100
57 22.3 18.5 27.7



#22
Diisopropyl ether
Concen: 0.254 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.000 min
Lab File: VX034733.D
Acq: 24 Mar 2023 19:57

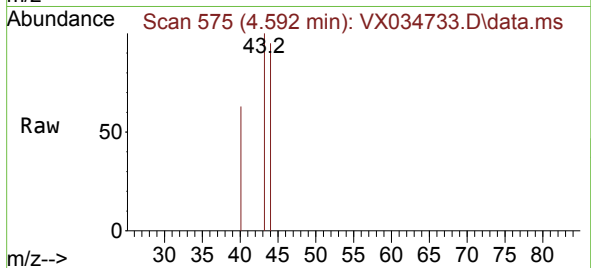
Tgt Ion: 45 Resp: 3460
Ion Ratio Lower Upper
45 100
43 48.4 65.4 98.2#
87 16.9 20.6 31.0#
59 13.6 9.0 13.6#



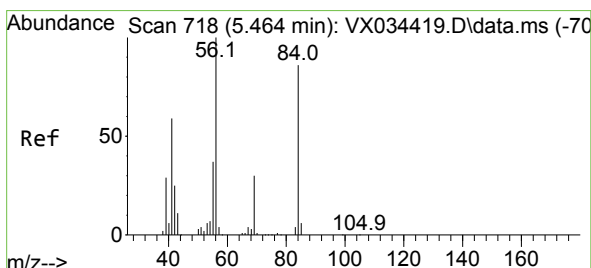
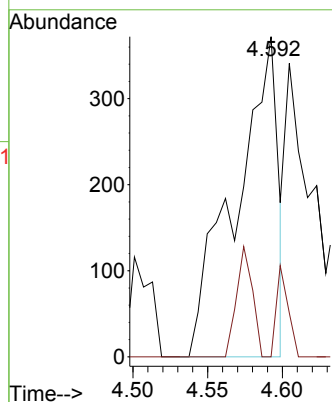
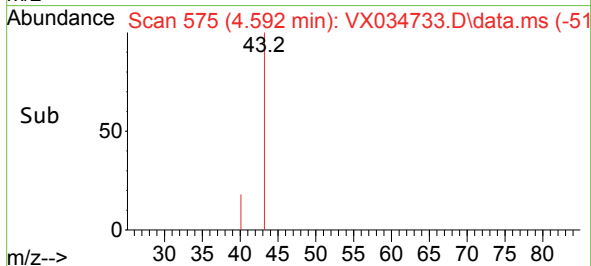


#25
2-Butanone
Concen: 0.232 ug/l
RT: 4.592 min Scan# 51
Delta R.T. 0.049 min
Lab File: VX034733.D
Acq: 24 Mar 2023 19:57

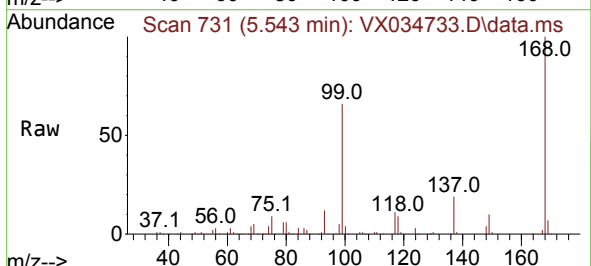
Instrument :
MSVOA_X
ClientSampleId :



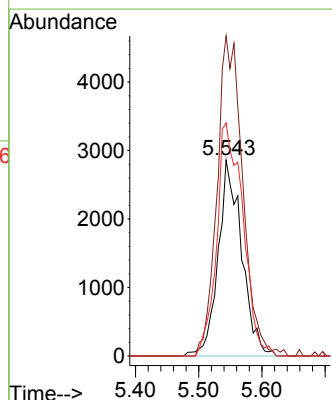
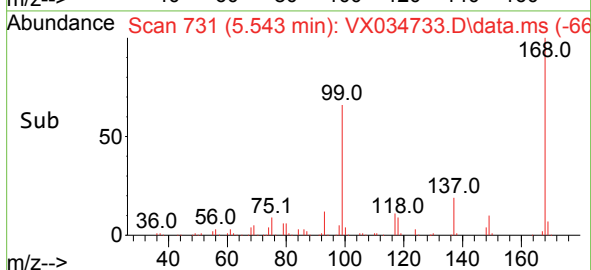
Tgt Ion: 43 Resp: 732
Ion Ratio Lower Upper
43 100
72 0.0 19.3 28.9#

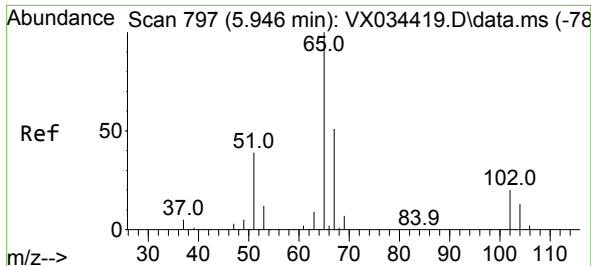


#31
Cyclohexane
Concen: 1.125 ug/l
RT: 5.543 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX034733.D
Acq: 24 Mar 2023 19:57



Tgt Ion: 56 Resp: 7377
Ion Ratio Lower Upper
56 100
69 163.4 23.7 35.5#
84 119.0 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 48.921 ug/l

RT: 5.958 min Scan# 797

Delta R.T. 0.012 min

Lab File: VX034733.D

Acq: 24 Mar 2023 19:57

Instrument :

MSVOA_X

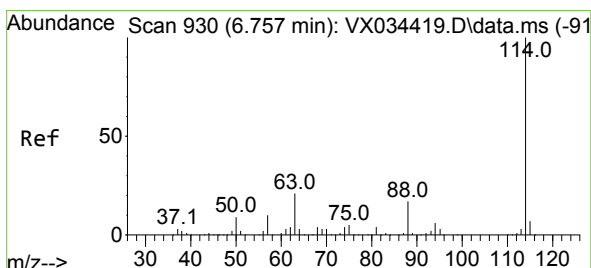
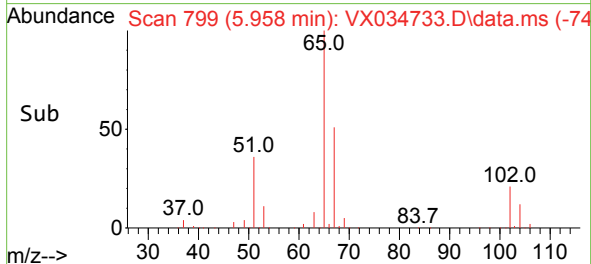
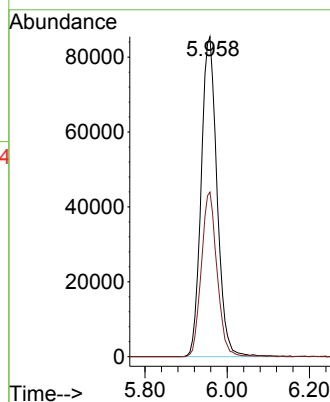
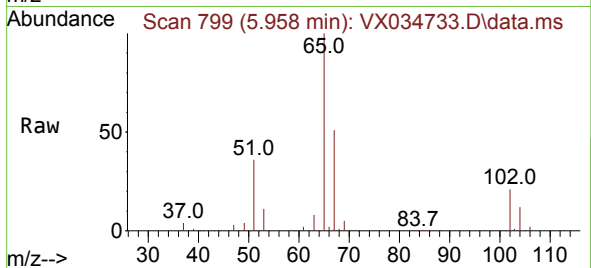
ClientSampleId :

Tgt Ion: 65 Resp: 228661

Ion Ratio Lower Upper

65 100

67 50.8 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034733.D

Acq: 24 Mar 2023 19:57

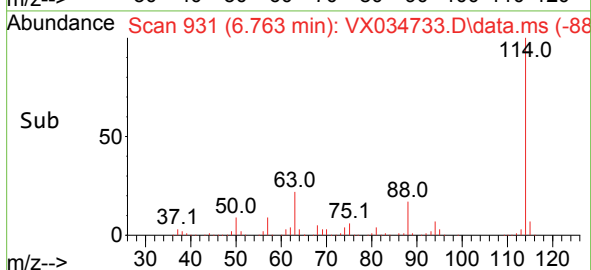
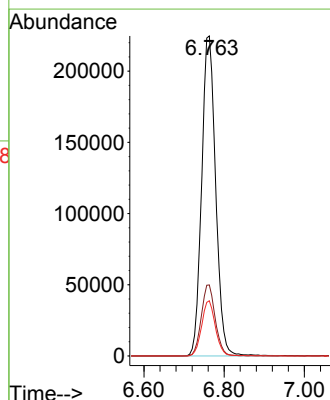
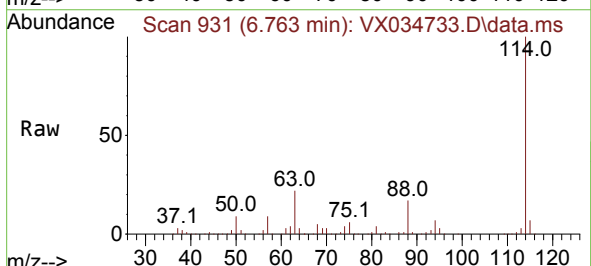
Tgt Ion: 114 Resp: 545628

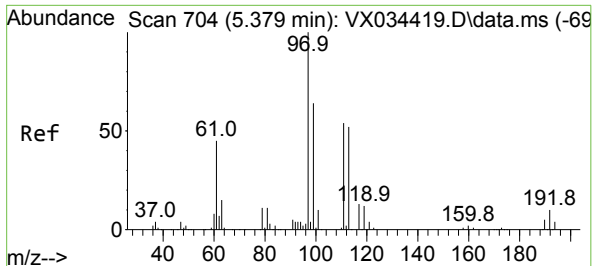
Ion Ratio Lower Upper

114 100

63 22.2 0.0 42.2

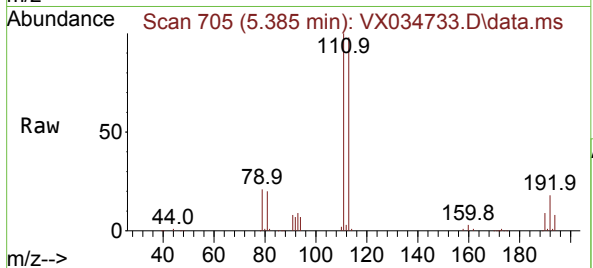
88 17.3 0.0 33.2



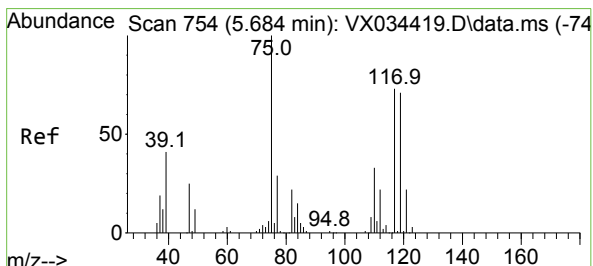
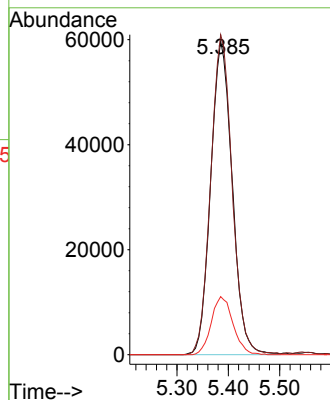
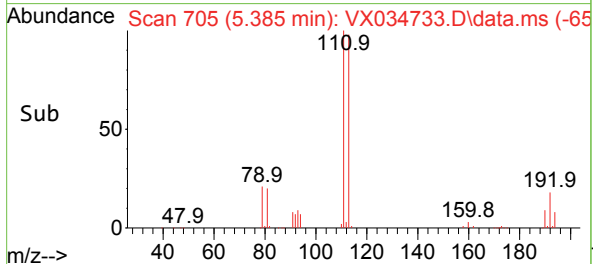


#35
Dibromofluoromethane
Concen: 48.167 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX034733.D
Acq: 24 Mar 2023 19:57

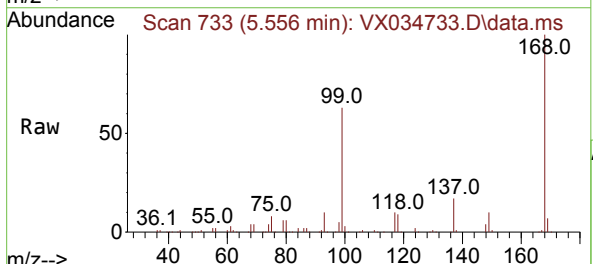
Instrument :
MSVOA_X
ClientSampleId :



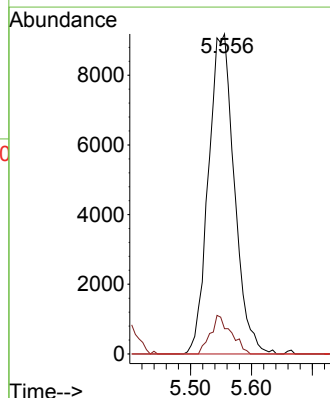
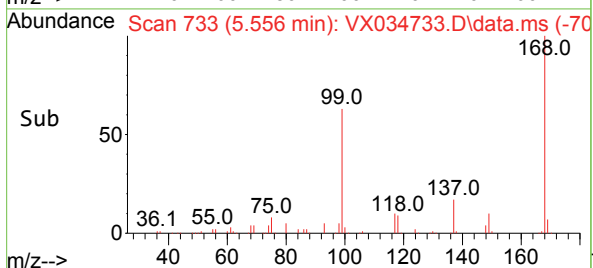
Tgt Ion:113 Resp: 173522
Ion Ratio Lower Upper
113 100
111 101.7 83.7 125.5
192 18.7 15.4 23.2

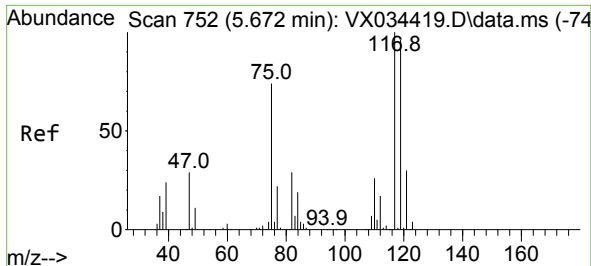


#36
1,1-Dichloropropene
Concen: 4.907 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX034733.D
Acq: 24 Mar 2023 19:57



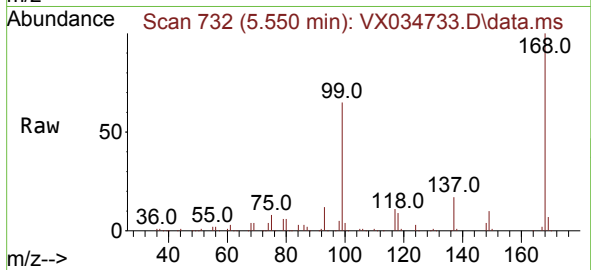
Tgt Ion: 75 Resp: 27150
Ion Ratio Lower Upper
75 100
110 9.5 17.5 52.5#
77 0.0 24.3 36.5#



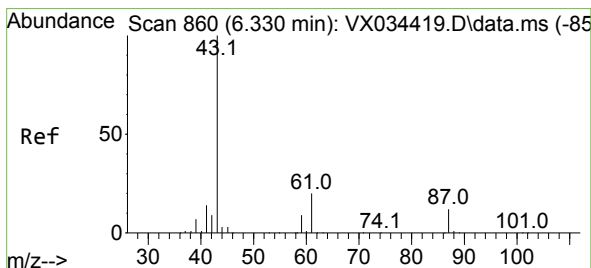
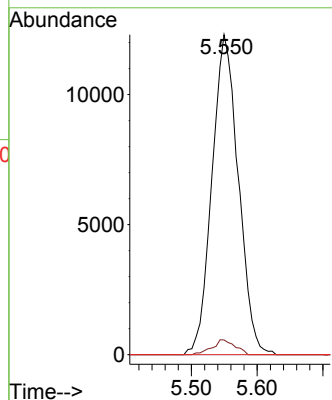
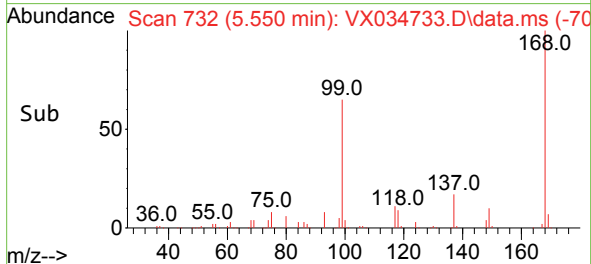


#38
Carbon Tetrachloride
Concen: 6.242 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX034733.D
Acq: 24 Mar 2023 19:57

Instrument :
MSVOA_X
ClientSampleId :

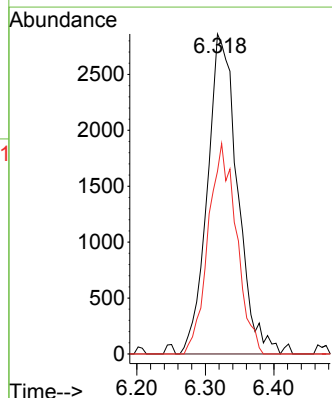
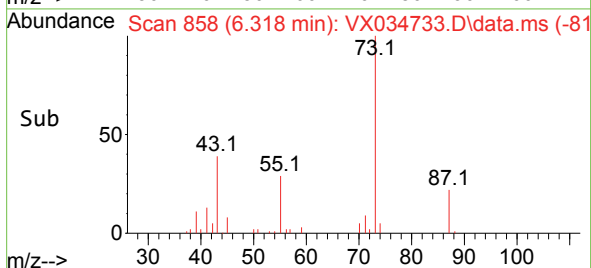
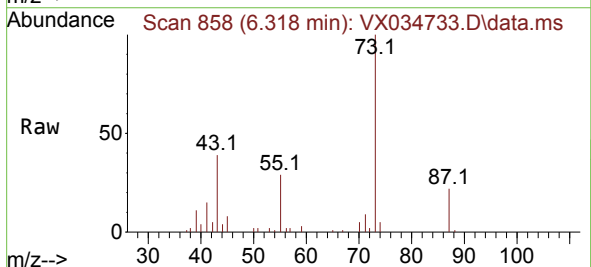


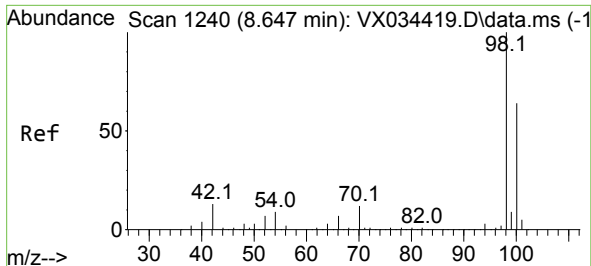
Tgt Ion:117 Resp: 34361
Ion Ratio Lower Upper
117 100
119 4.6 76.6 114.8#
121 0.0 23.8 35.6#



#43
Isopropyl Acetate
Concen: 0.854 ug/l
RT: 6.318 min Scan# 858
Delta R.T. -0.012 min
Lab File: VX034733.D
Acq: 24 Mar 2023 19:57

Tgt Ion: 43 Resp: 8745
Ion Ratio Lower Upper
43 100
61 0.0 15.2 22.8#
87 61.7 9.8 14.8#

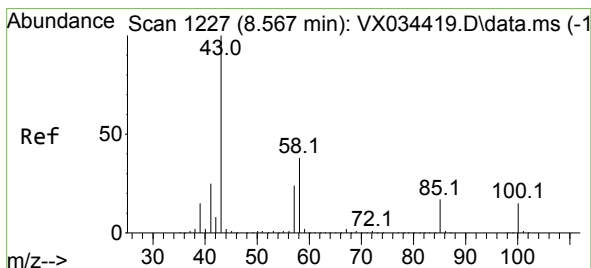
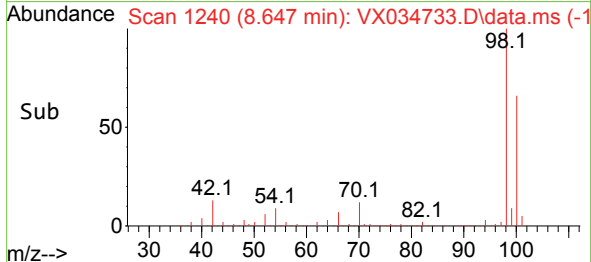
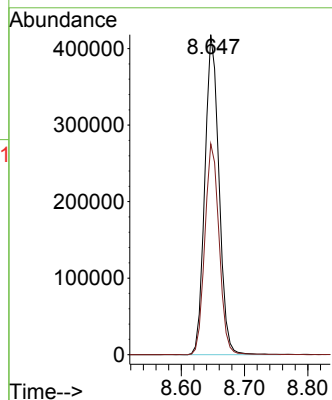
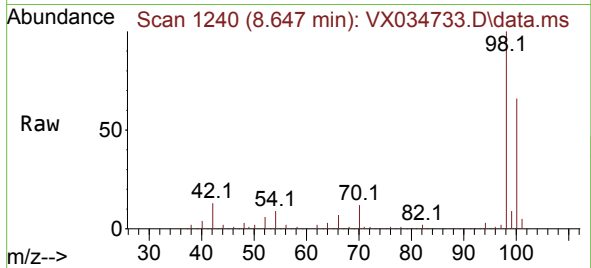




#50
Toluene-d8
Concen: 48.372 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034733.D
Acq: 24 Mar 2023 19:57

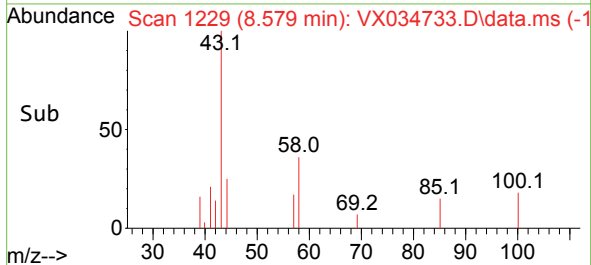
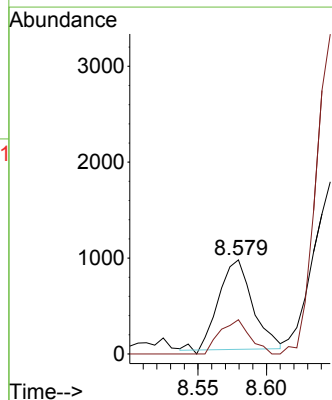
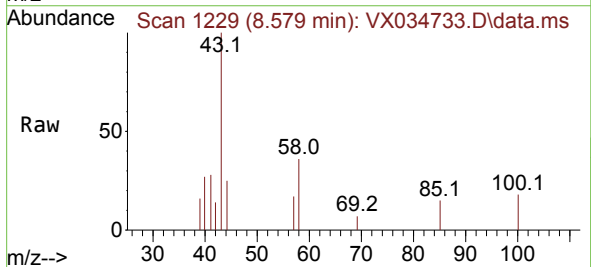
Instrument :
MSVOA_X
ClientSampleId :

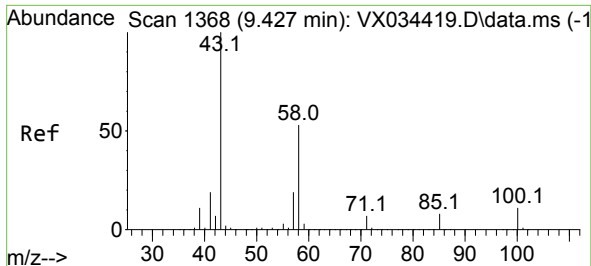
Tgt Ion: 98 Resp: 650518
Ion Ratio Lower Upper
98 100
100 66.5 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.270 ug/l
RT: 8.579 min Scan# 1229
Delta R.T. 0.012 min
Lab File: VX034733.D
Acq: 24 Mar 2023 19:57

Tgt Ion: 43 Resp: 1606
Ion Ratio Lower Upper
43 100
58 33.7 30.6 46.0





#59

2-Hexanone

Concen: 0.243 ug/l

RT: 9.451 min Scan# 1117

Delta R.T. 0.024 min

Lab File: VX034733.D

Acq: 24 Mar 2023 19:57

Instrument :

MSVOA_X

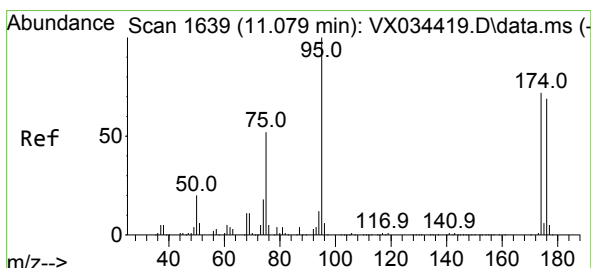
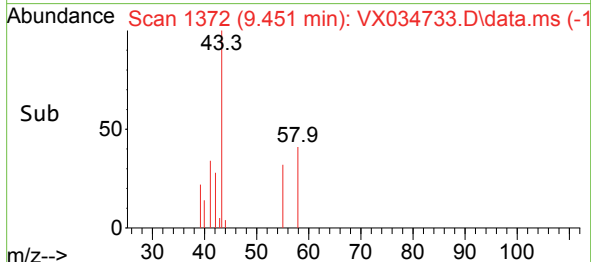
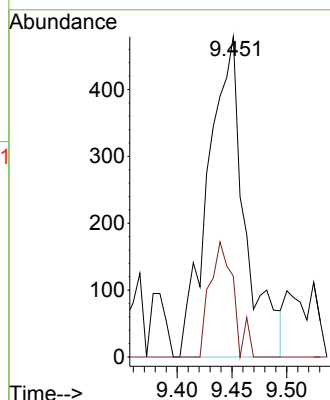
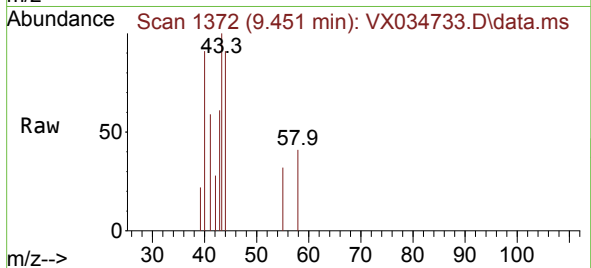
ClientSampleId :

Tgt Ion: 43 Resp: 1117

Ion Ratio Lower Upper

43 100

58 23.2 26.3 78.9#



#62

4-Bromofluorobenzene

Concen: 46.337 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX034733.D

Acq: 24 Mar 2023 19:57

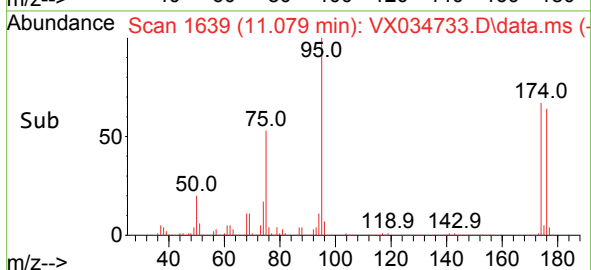
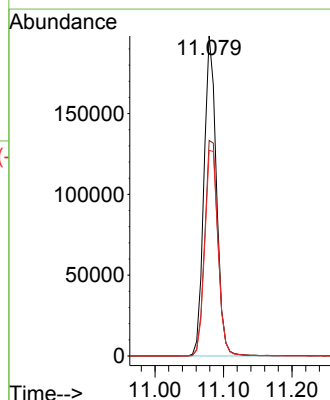
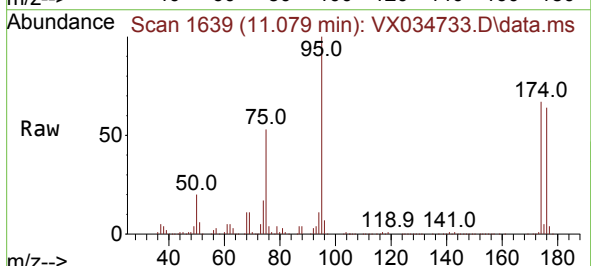
Tgt Ion: 95 Resp: 251706

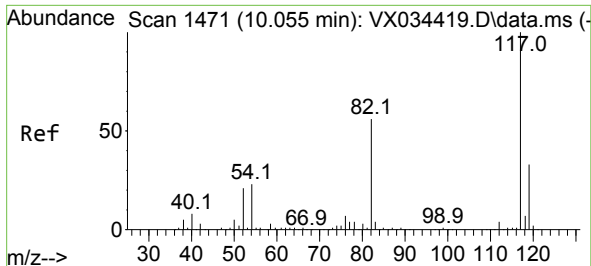
Ion Ratio Lower Upper

95 100

174 71.2 0.0 147.4

176 68.7 0.0 140.6

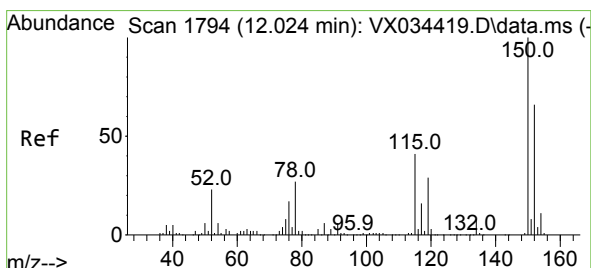
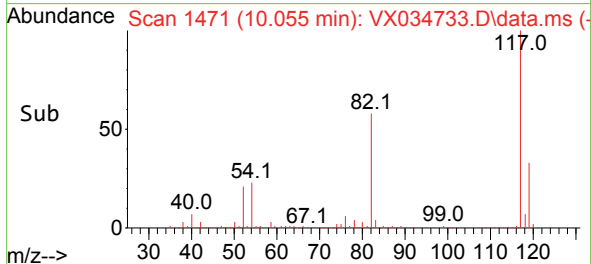
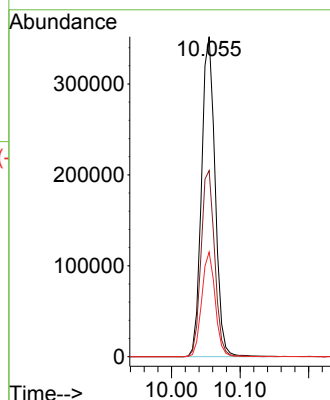
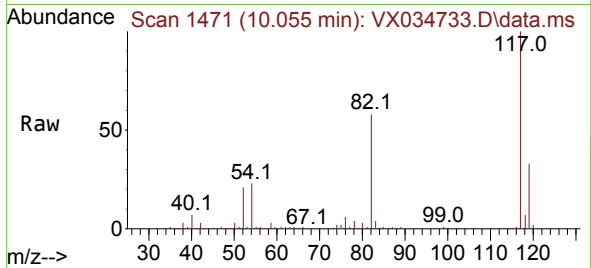




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034733.D
Acq: 24 Mar 2023 19:57

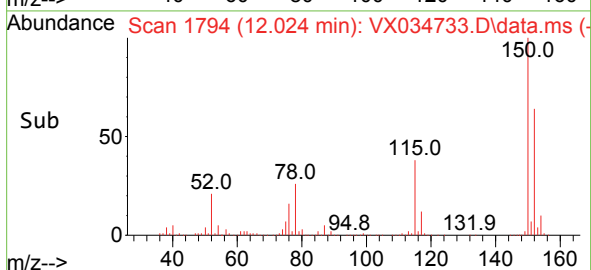
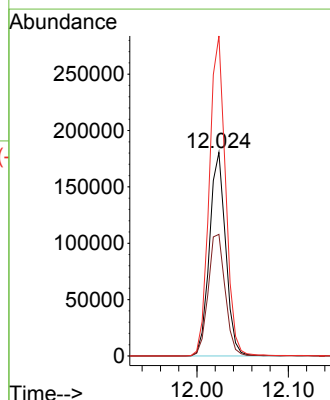
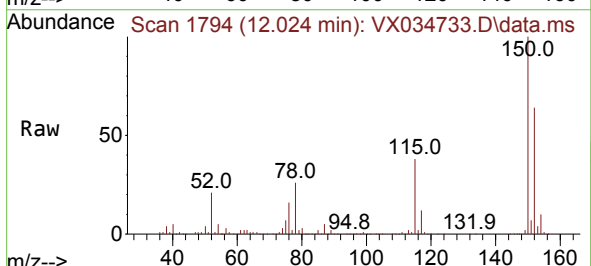
Instrument :
MSVOA_X
ClientSampleId :

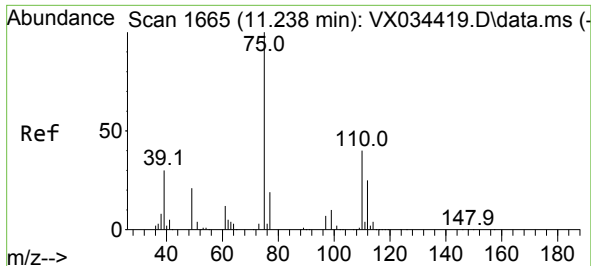
Tgt Ion:117 Resp: 485876
Ion Ratio Lower Upper
117 100
82 58.2 45.0 67.4
119 32.7 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX034733.D
Acq: 24 Mar 2023 19:57

Tgt Ion:152 Resp: 221777
Ion Ratio Lower Upper
152 100
115 63.1 45.0 135.0
150 158.0 0.0 352.4

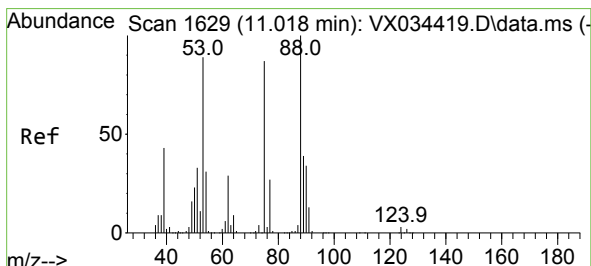
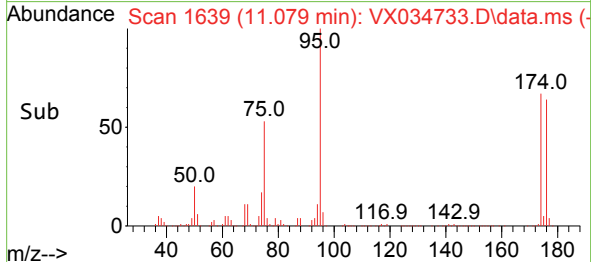
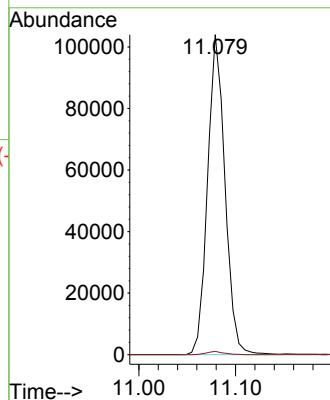
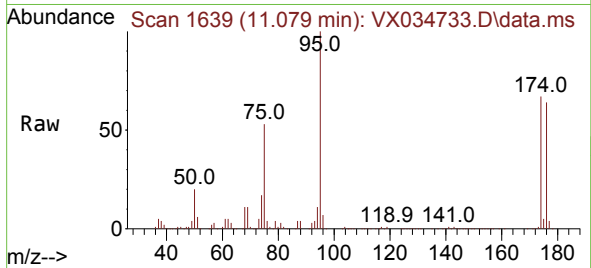




#76
1,2,3-Trichloropropane
Concen: 25.604 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034733.D
Acq: 24 Mar 2023 19:57

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 130381
Ion Ratio Lower Upper
75 100
77 1.0 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.266 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034733.D
Acq: 24 Mar 2023 19:57

Tgt Ion: 75 Resp: 130381
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

