

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032124\
 Data File : VX040756.D
 Acq On : 21 Mar 2024 20:26
 Operator : JC/MD
 Sample : PB159677ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

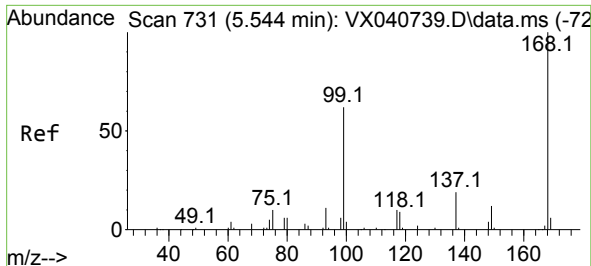
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 22 03:01:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:41:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	41661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	73583	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	70175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	37405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	34672	49.495	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.000%
35) Dibromofluoromethane	5.385	113	25010	45.424	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.840%
50) Toluene-d8	8.647	98	92657	49.148	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.300%
62) 4-Bromofluorobenzene	11.079	95	37265	50.031	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.060%
Target Compounds						
					Qvalue	
6) Chloroethane	1.660	64	145	0.395	ug/l #	43
11) Tert butyl alcohol	2.959	59	819	7.301	ug/l #	78
16) Acetone	2.373	43	26552	107.011	ug/l	98
18) Methyl Acetate	2.709	43	533	0.802	ug/l #	63
20) Methylene Chloride	2.788	84	2325	4.287	ug/l #	92
25) 2-Butanone	4.574	43	2927	7.531	ug/l	95
29) Tetrahydrofuran	5.025	42	93	0.360	ug/l #	34
31) Cyclohexane	5.544	56	1120	1.346	ug/l #	16
36) 1,1-Dichloropropene	5.556	75	3940	4.860	ug/l #	50
37) Ethyl Acetate	4.727	43	1188	1.291	ug/l #	80
38) Carbon Tetrachloride	5.550	117	4762	5.219	ug/l #	15
43) Isopropyl Acetate	6.336	43	37133	25.688	ug/l	98
48) Methyl methacrylate	7.793	41	34517	52.243	ug/l #	51
51) 4-Methyl-2-Pentanone	8.543	43	29848	33.295	ug/l #	52
52) Toluene	8.720	92	428	0.321	ug/l	94
53) t-1,3-Dichloropropene	8.952	75	193	0.220	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	10944	12.035	ug/l #	65
56) Ethyl methacrylate	9.244	69	246	0.271	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1398	1.507	ug/l #	42
59) 2-Hexanone	9.372	43	31681	45.620	ug/l #	26
68) m/p-Xylenes	10.305	106	213	0.204	ug/l	99
74) N-amyl acetate	10.811	43	327	0.234	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	21483	26.704	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	21483	67.556	ug/l #	5

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX040756.D

Acq: 21 Mar 2024 20:26

Instrument :

MSVOA_X

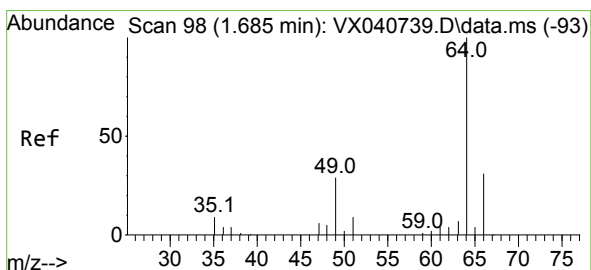
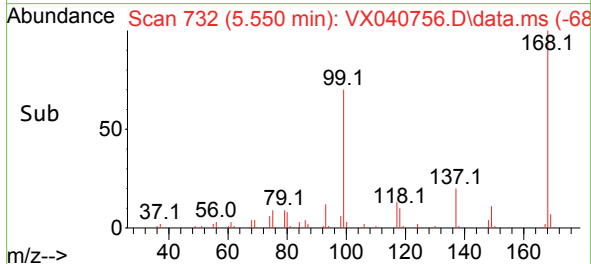
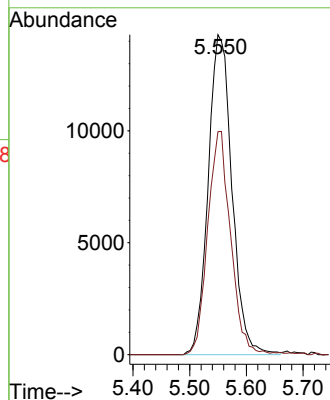
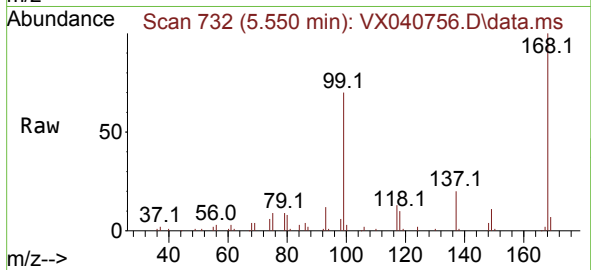
ClientSampleId :

Tgt Ion:168 Resp: 41661

Ion Ratio Lower Upper

168 100

99 69.7 56.6 85.0



#6

Chloroethane

Concen: 0.395 ug/l

RT: 1.660 min Scan# 94

Delta R.T. -0.025 min

Lab File: VX040756.D

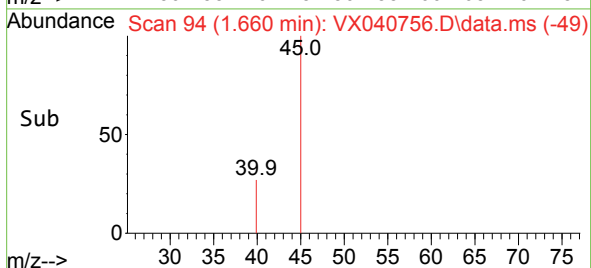
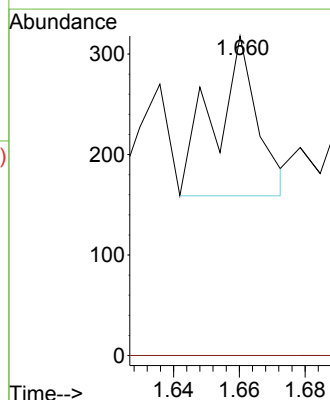
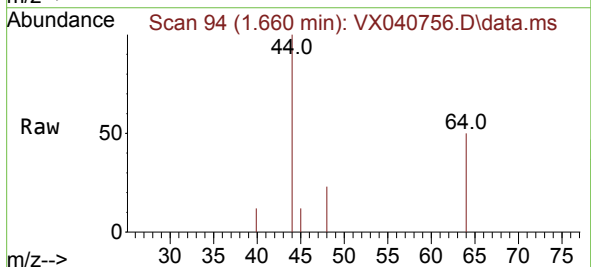
Acq: 21 Mar 2024 20:26

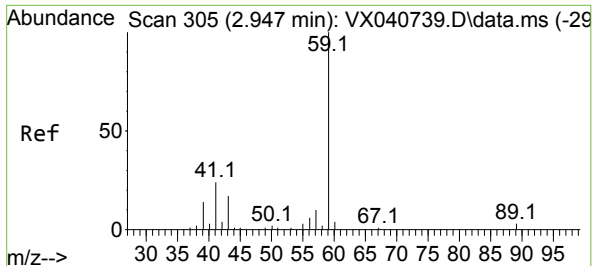
Tgt Ion: 64 Resp: 145

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 7.301 ug/l

RT: 2.959 min Scan# 305

Delta R.T. 0.012 min

Lab File: VX040756.D

Acq: 21 Mar 2024 20:26

Instrument :

MSVOA_X

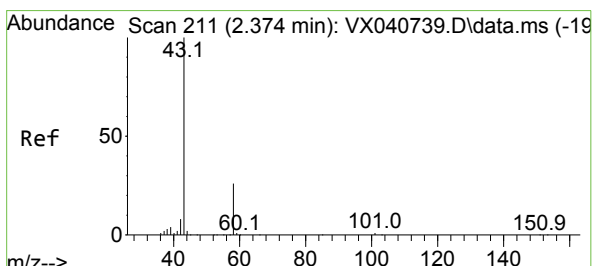
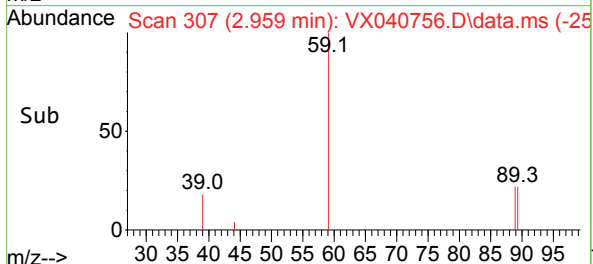
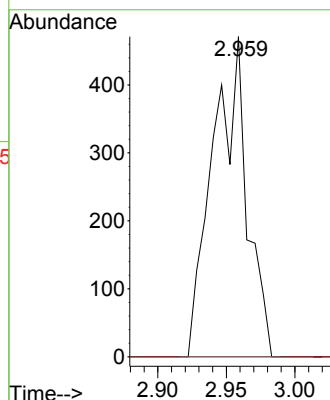
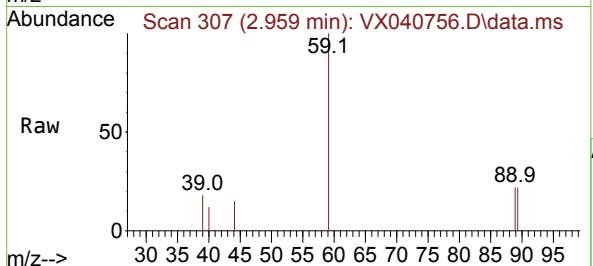
ClientSampleId :

Tgt Ion: 59 Resp: 819

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 107.011 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.001 min

Lab File: VX040756.D

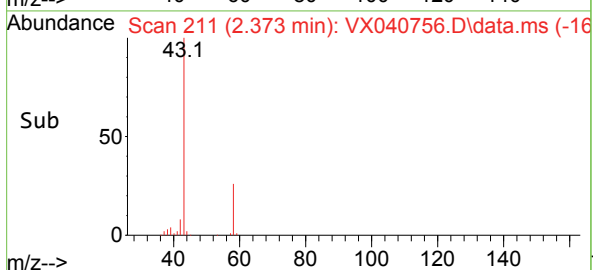
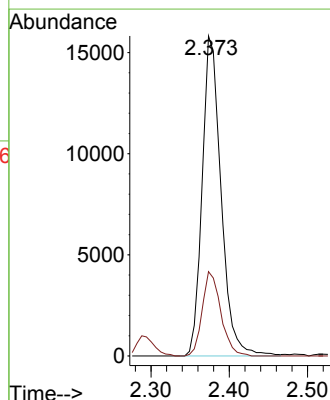
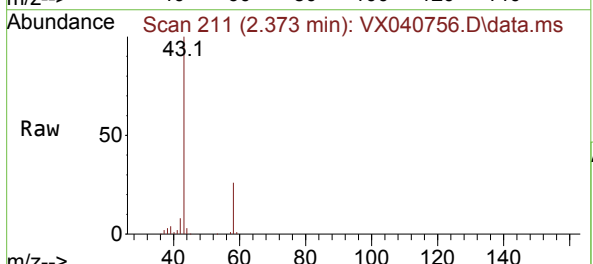
Acq: 21 Mar 2024 20:26

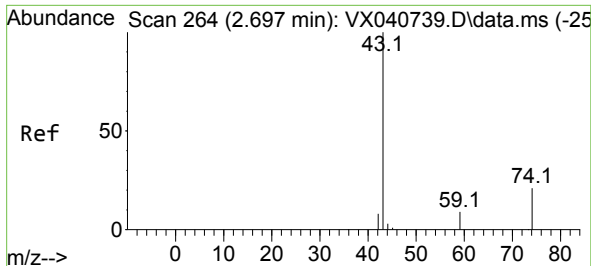
Tgt Ion: 43 Resp: 26552

Ion Ratio Lower Upper

43 100

58 26.4 21.9 32.9





#18

Methyl Acetate

Concen: 0.802 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.012 min

Lab File: VX040756.D

Acq: 21 Mar 2024 20:26

Instrument :

MSVOA_X

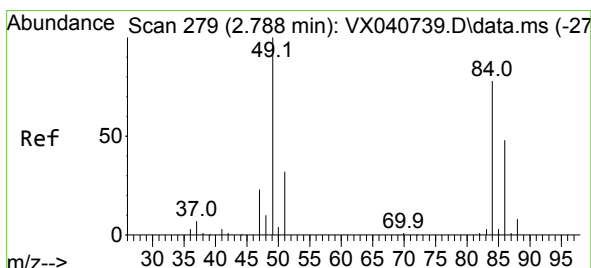
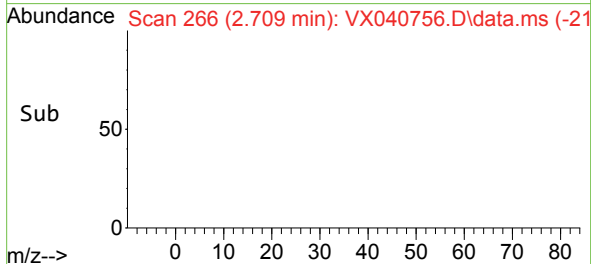
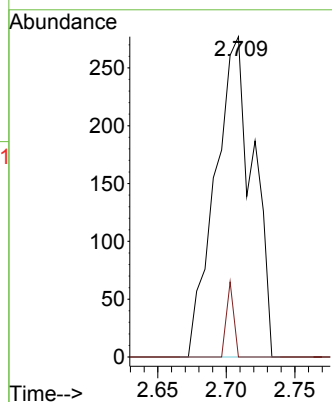
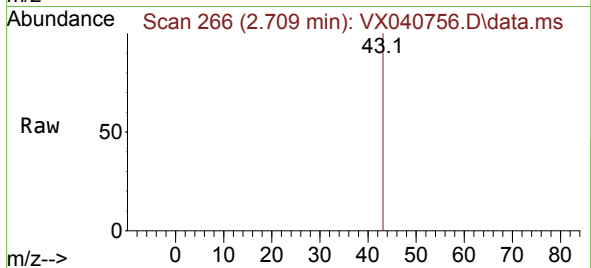
ClientSampleId :

Tgt Ion: 43 Resp: 533

Ion Ratio Lower Upper

43 100

74 4.5 17.8 26.8#



#20

Methylene Chloride

Concen: 4.287 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX040756.D

Acq: 21 Mar 2024 20:26

Tgt Ion: 84 Resp: 2325

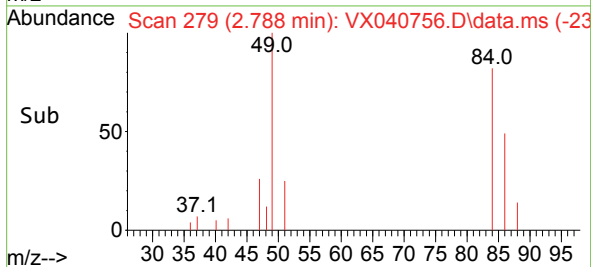
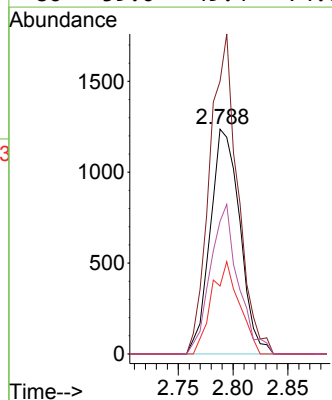
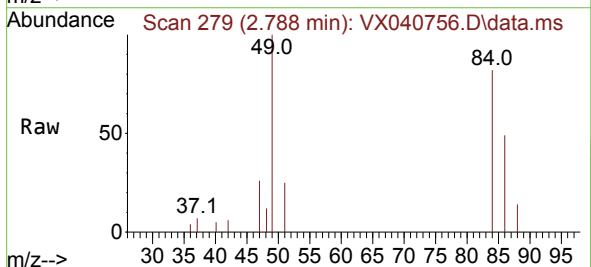
Ion Ratio Lower Upper

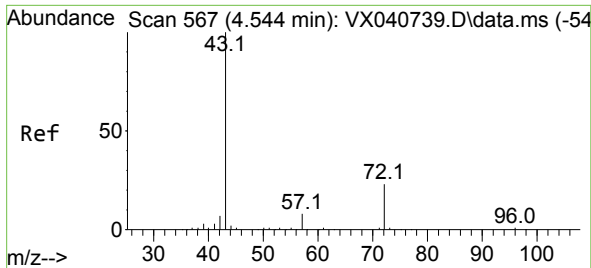
84 100

49 121.3 103.6 155.4

51 30.2 33.8 50.6#

86 59.0 49.4 74.0

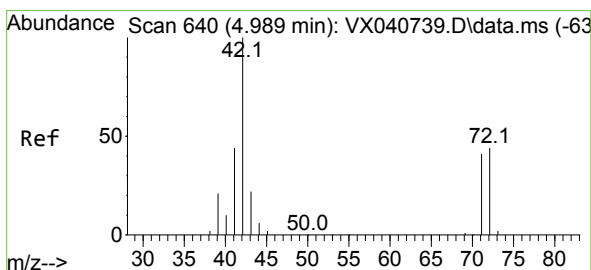
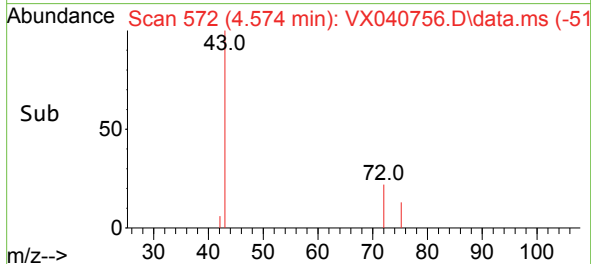
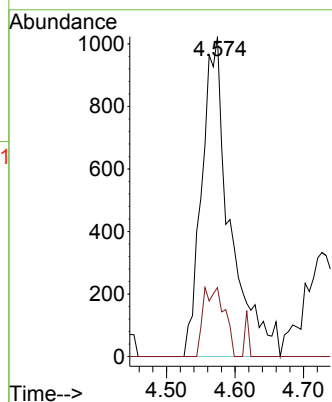
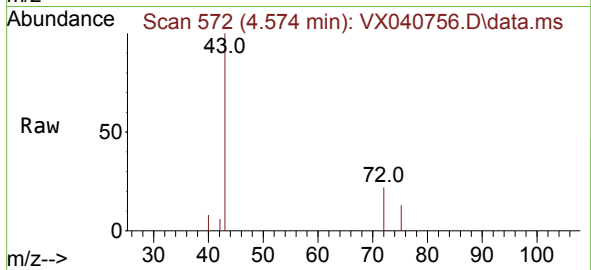




#25
2-Butanone
Concen: 7.531 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX040756.D
Acq: 21 Mar 2024 20:26

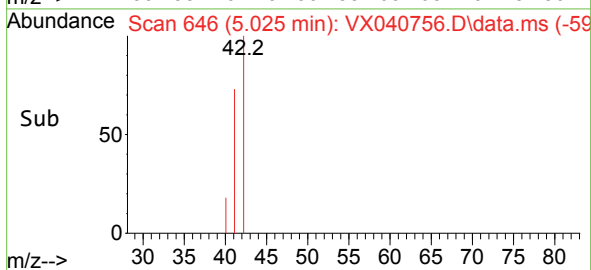
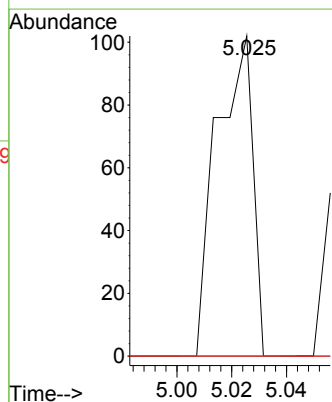
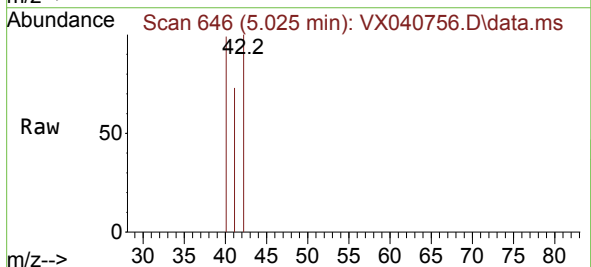
Instrument :
MSVOA_X
ClientSampleId :

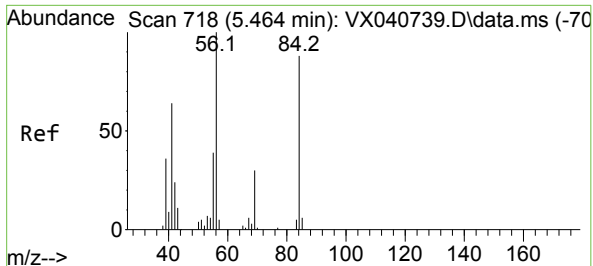
Tgt Ion: 43 Resp: 2927
Ion Ratio Lower Upper
43 100
72 21.6 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.360 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.036 min
Lab File: VX040756.D
Acq: 21 Mar 2024 20:26

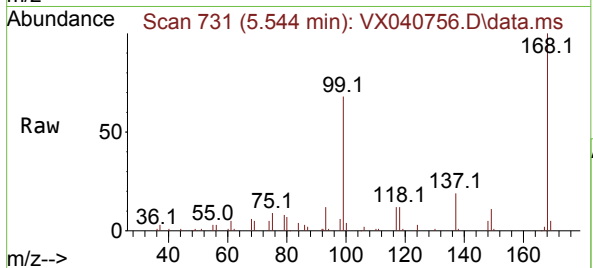
Tgt Ion: 42 Resp: 93
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 32.2 48.2#



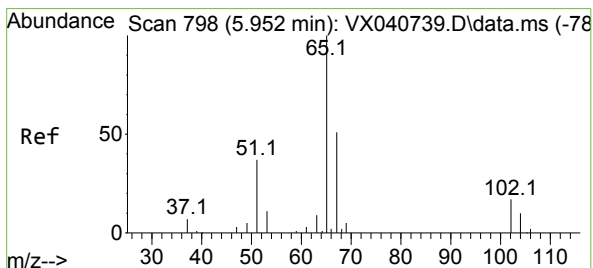
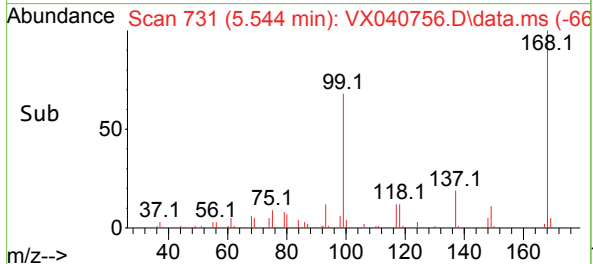
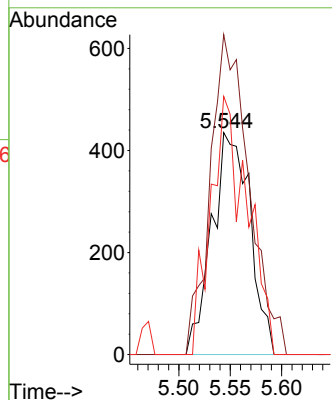


#31
Cyclohexane
Concen: 1.346 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.080 min
Lab File: VX040756.D
Acq: 21 Mar 2024 20:26

Instrument :
MSVOA_X
ClientSampleId :

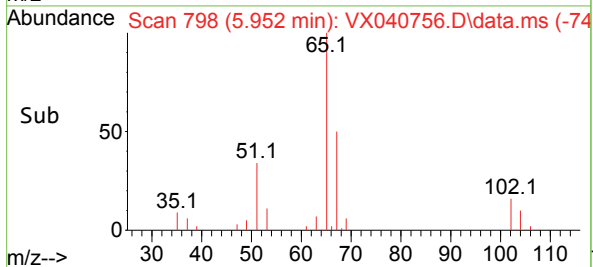
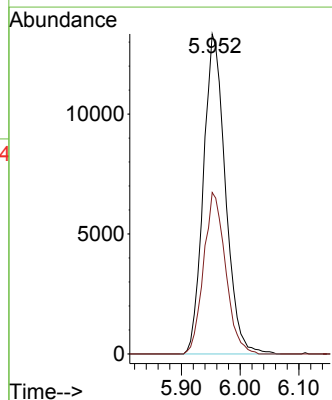
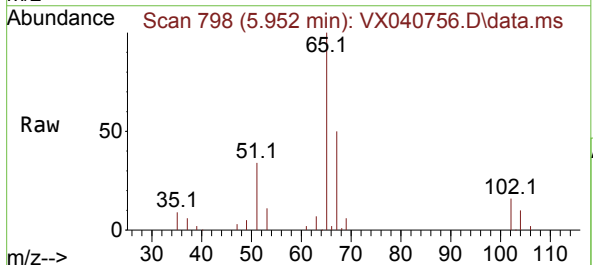


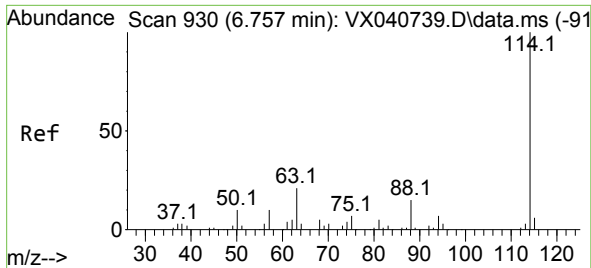
Tgt Ion: 56 Resp: 1120
Ion Ratio Lower Upper
56 100
69 144.1 23.4 35.2#
84 116.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 49.495 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX040756.D
Acq: 21 Mar 2024 20:26

Tgt Ion: 65 Resp: 34672
Ion Ratio Lower Upper
65 100
67 50.4 0.0 100.2

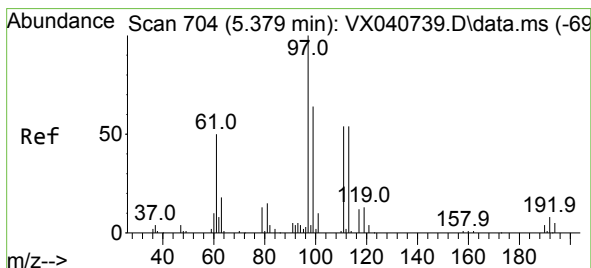
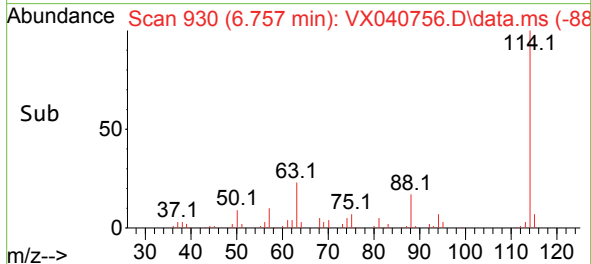
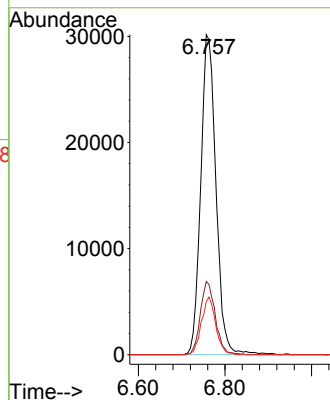
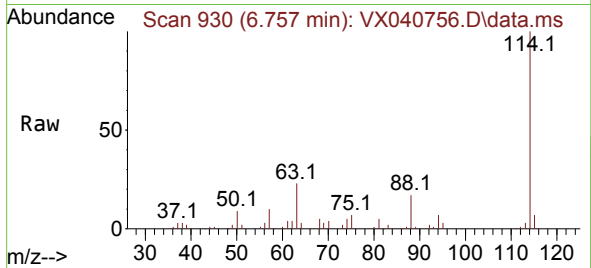




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VX040756.D
 Acq: 21 Mar 2024 20:26

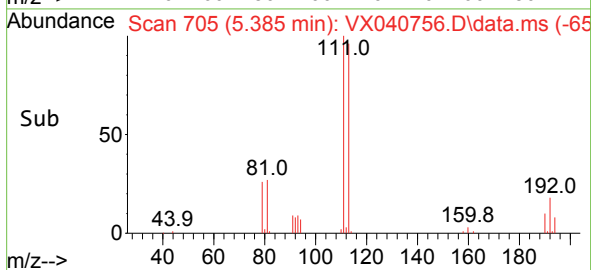
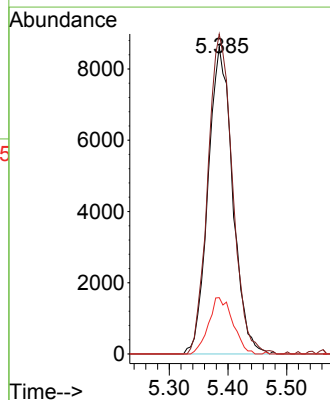
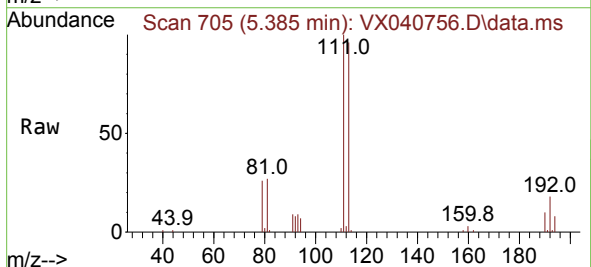
Instrument :
 MSVOA_X
 ClientSampleId :

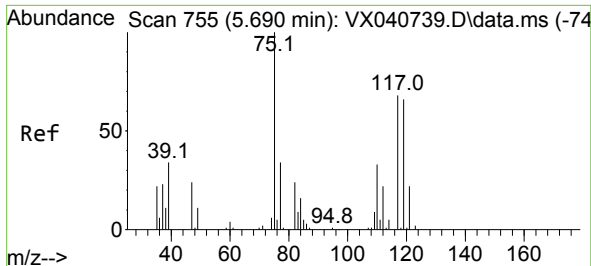
Tgt Ion:114	Resp:	73583
Ion Ratio	Lower	Upper
114	100	
63	22.8	0.0 45.0
88	16.6	0.0 36.6



#35
 Dibromofluoromethane
 Concen: 45.424 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. 0.006 min
 Lab File: VX040756.D
 Acq: 21 Mar 2024 20:26

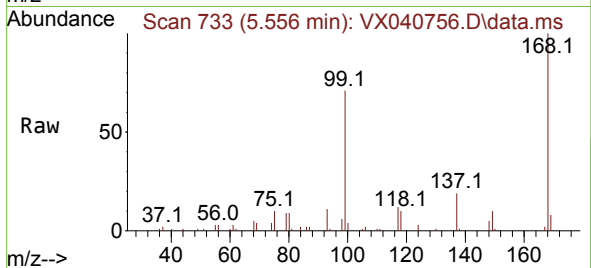
Tgt Ion:113	Resp:	25010
Ion Ratio	Lower	Upper
113	100	
111	104.8	82.9 124.3
192	18.1	13.3 19.9



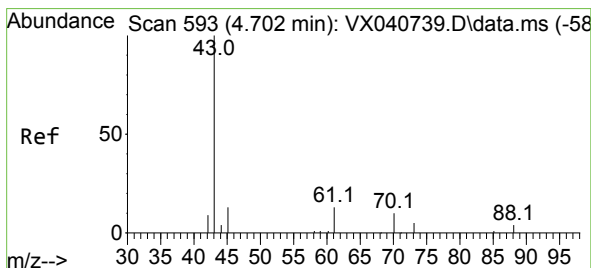
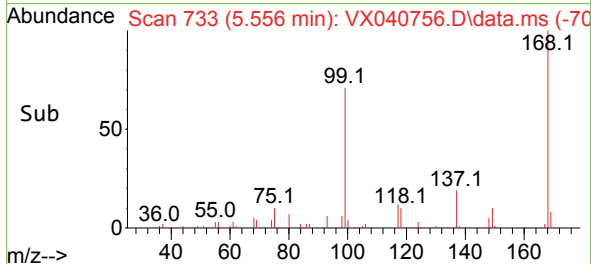
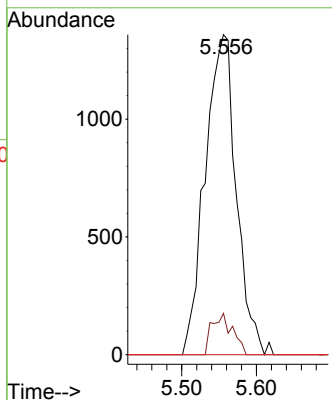


#36
1,1-Dichloropropene
Concen: 4.860 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX040756.D
Acq: 21 Mar 2024 20:26

Instrument :
MSVOA_X
ClientSampleId :

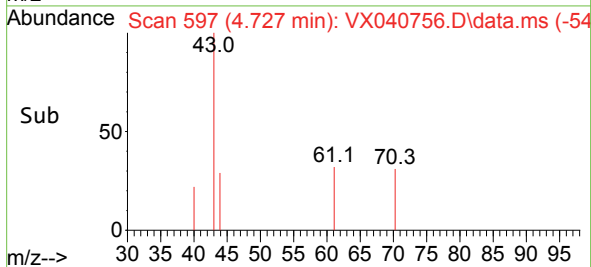
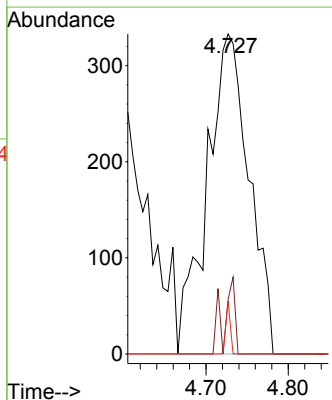
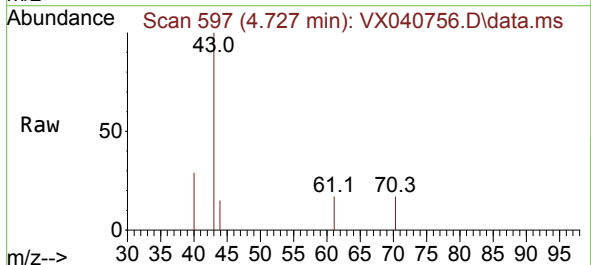


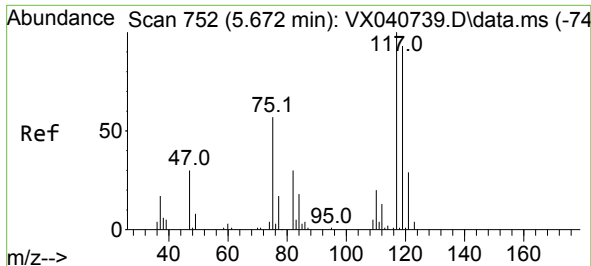
Tgt Ion: 75 Resp: 3940
Ion Ratio Lower Upper
75 100
110 8.5 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.291 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.024 min
Lab File: VX040756.D
Acq: 21 Mar 2024 20:26

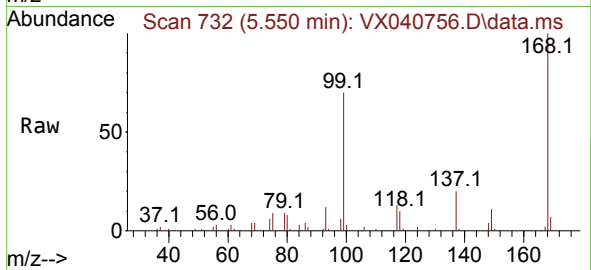
Tgt Ion: 43 Resp: 1188
Ion Ratio Lower Upper
43 100
61 6.3 10.6 16.0#
70 1.7 8.3 12.5#



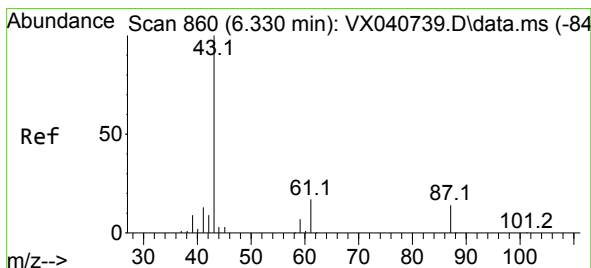
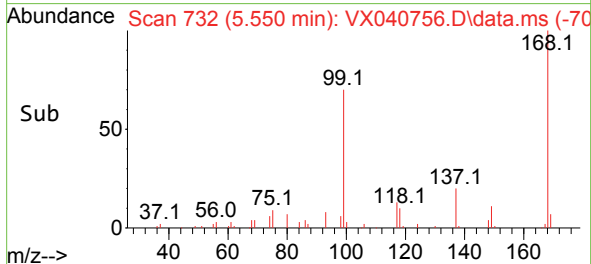
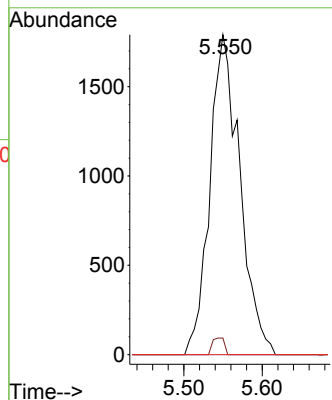


#38
Carbon Tetrachloride
Concen: 5.219 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX040756.D
Acq: 21 Mar 2024 20:26

Instrument :
MSVOA_X
ClientSampleId :

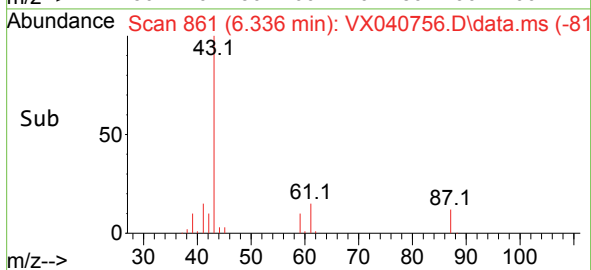
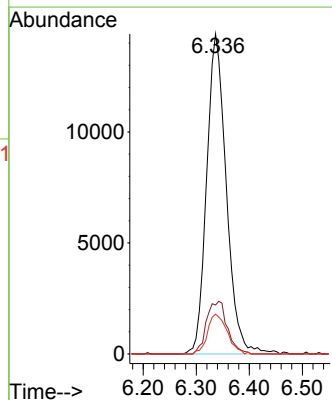
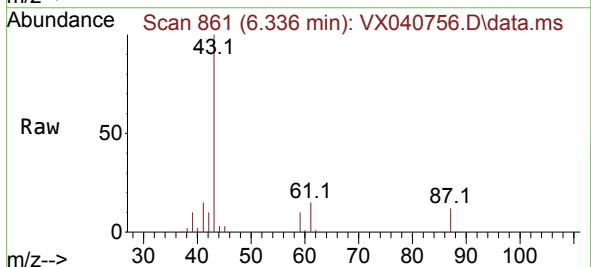


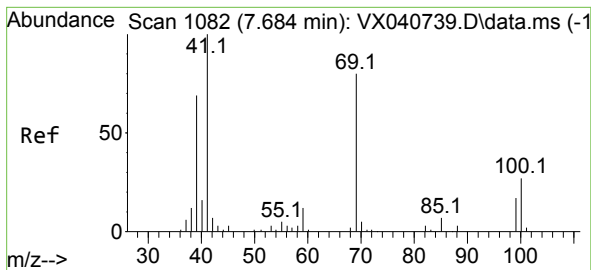
Tgt Ion:117 Resp: 4762
Ion Ratio Lower Upper
117 100
119 5.2 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 25.688 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX040756.D
Acq: 21 Mar 2024 20:26

Tgt Ion: 43 Resp: 37133
Ion Ratio Lower Upper
43 100
61 17.4 15.2 22.8
87 12.4 9.8 14.6





#48

Methyl methacrylate

Concen: 52.243 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.110 min

Lab File: VX040756.D

Acq: 21 Mar 2024 20:26

Instrument :

MSVOA_X

ClientSampleId :

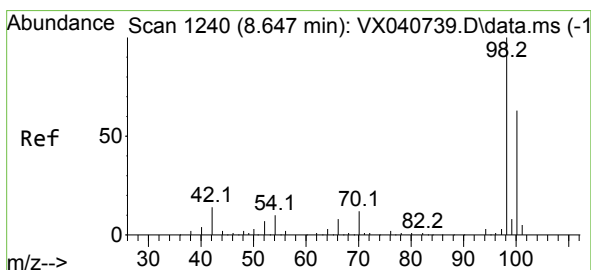
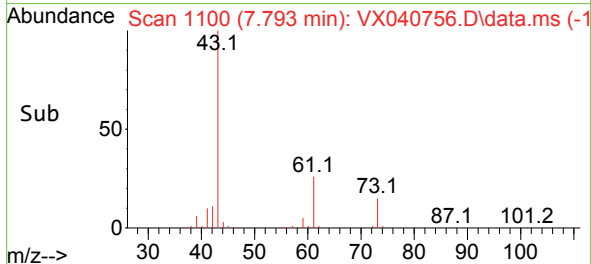
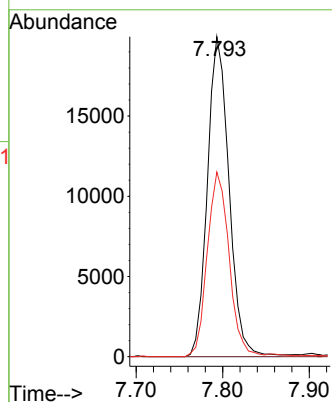
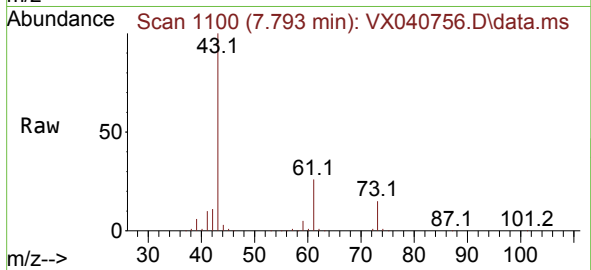
Tgt Ion: 41 Resp: 34517

Ion Ratio Lower Upper

41 100

69 0.0 59.2 88.8#

39 58.3 47.7 71.5



#50

Toluene-d8

Concen: 49.148 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX040756.D

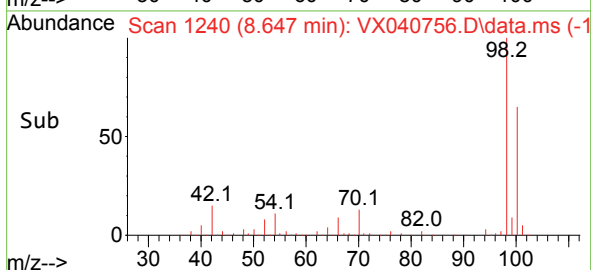
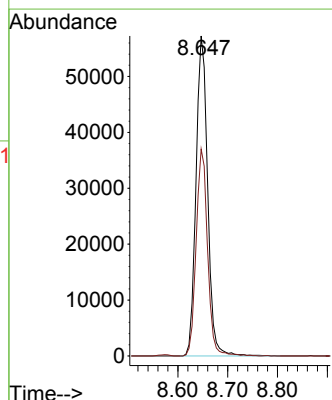
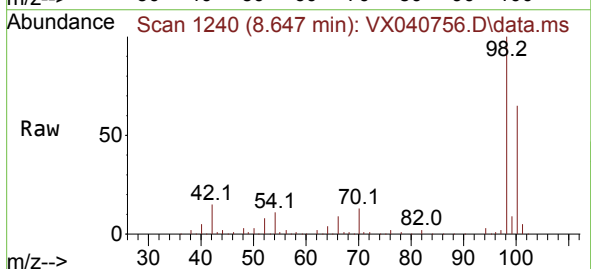
Acq: 21 Mar 2024 20:26

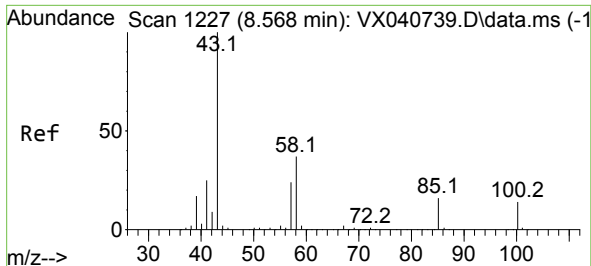
Tgt Ion: 98 Resp: 92657

Ion Ratio Lower Upper

98 100

100 63.6 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 33.295 ug/l

RT: 8.543 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX040756.D

Acq: 21 Mar 2024 20:26

Instrument :

MSVOA_X

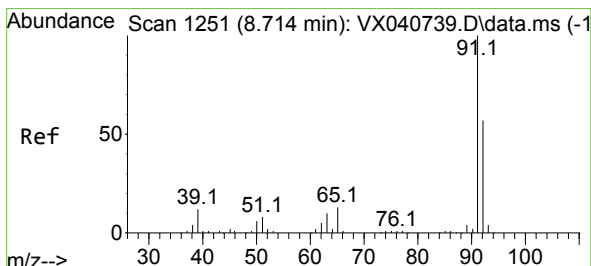
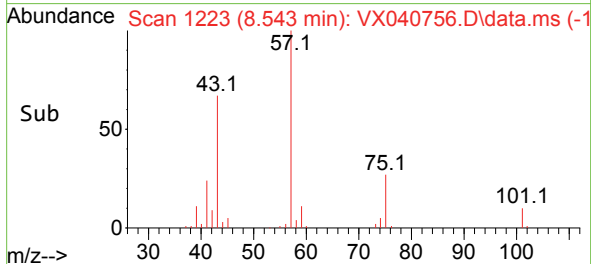
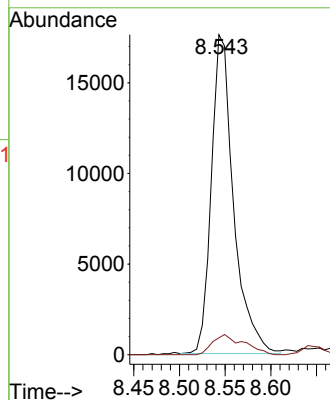
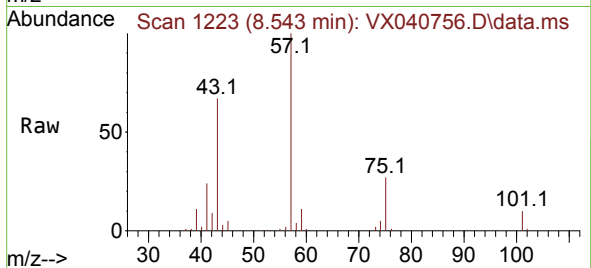
ClientSampleId :

Tgt Ion: 43 Resp: 29848

Ion Ratio Lower Upper

43 100

58 8.9 30.4 45.6#



#52

Toluene

Concen: 0.321 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX040756.D

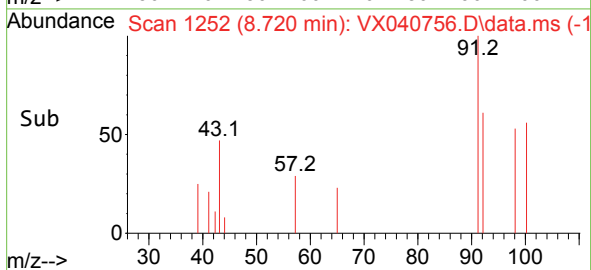
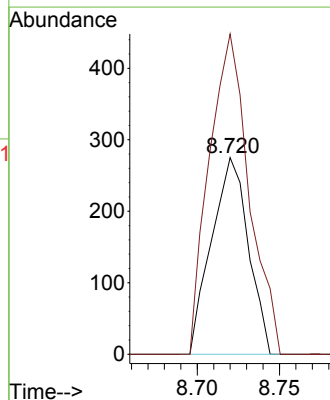
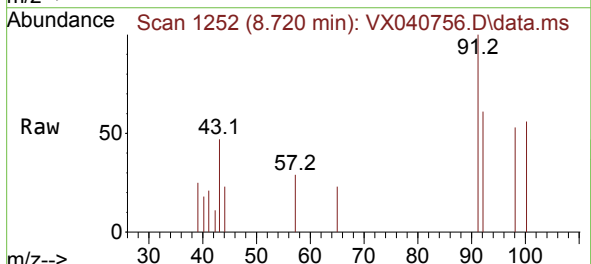
Acq: 21 Mar 2024 20:26

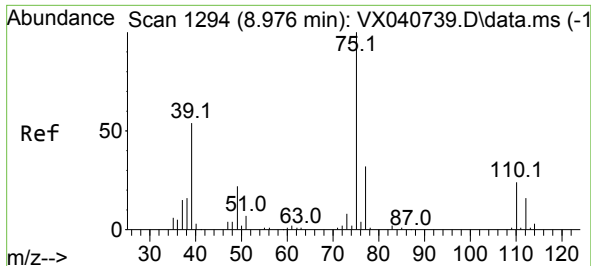
Tgt Ion: 92 Resp: 428

Ion Ratio Lower Upper

92 100

91 176.2 134.2 201.2

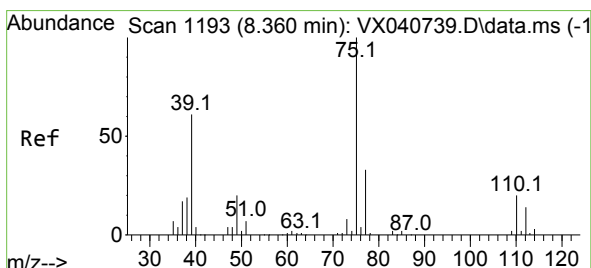
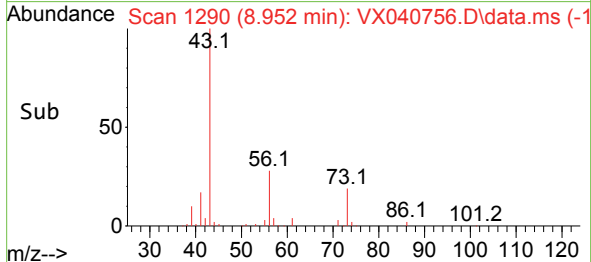
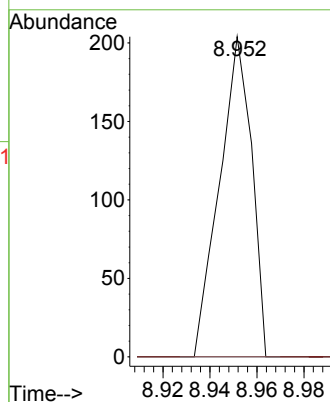
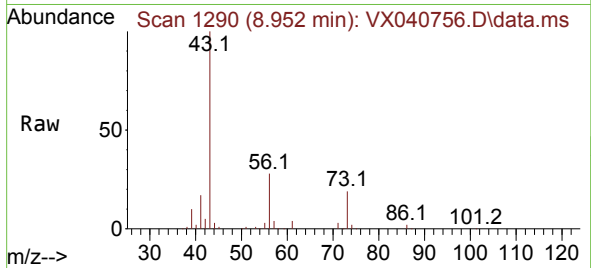




#53
 t-1,3-Dichloropropene
 Concen: 0.220 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX040756.D
 Acq: 21 Mar 2024 20:26

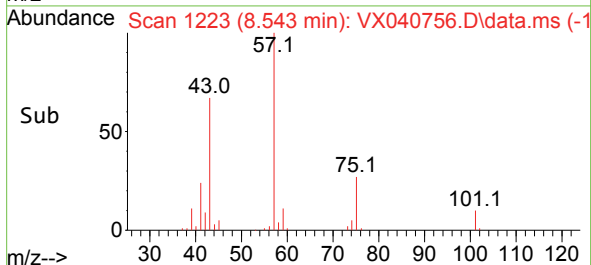
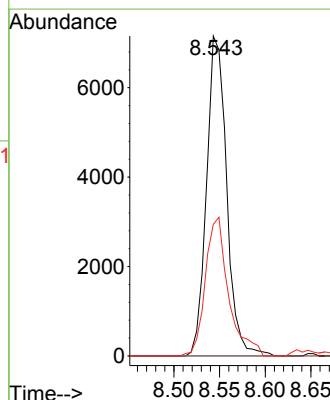
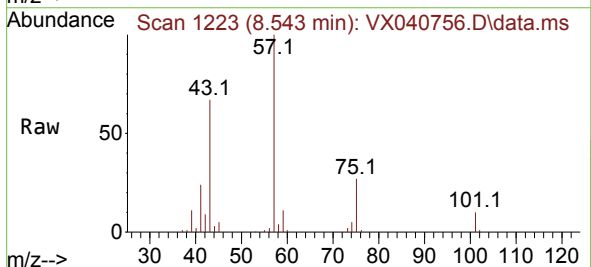
Instrument :
 MSVOA_X
 ClientSampleId :

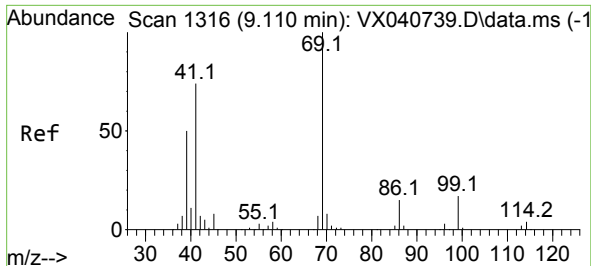
Tgt Ion: 75 Resp: 193
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 12.035 ug/l
 RT: 8.543 min Scan# 1223
 Delta R.T. 0.183 min
 Lab File: VX040756.D
 Acq: 21 Mar 2024 20:26

Tgt Ion: 75 Resp: 10944
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 41.2 46.7 70.1#

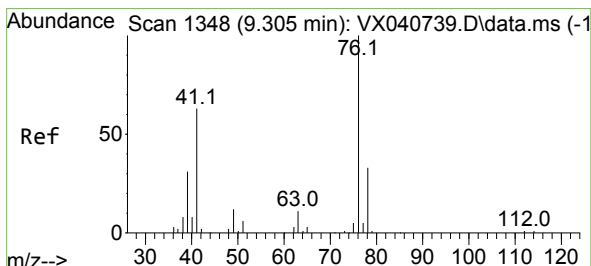
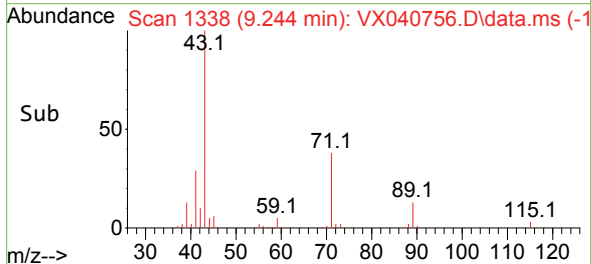
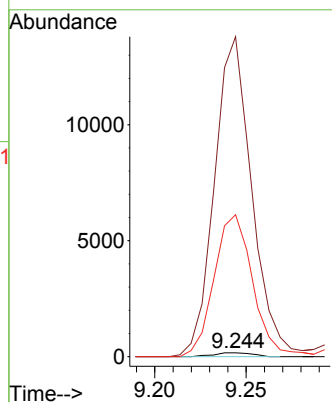
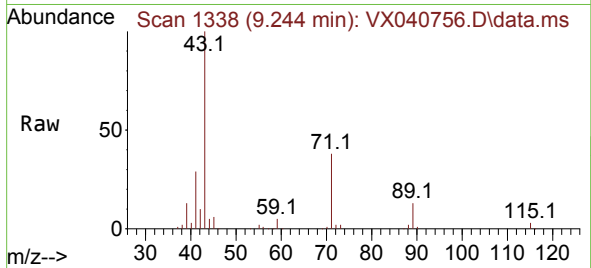




#56
Ethyl methacrylate
Concen: 0.271 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.134 min
Lab File: VX040756.D
Acq: 21 Mar 2024 20:26

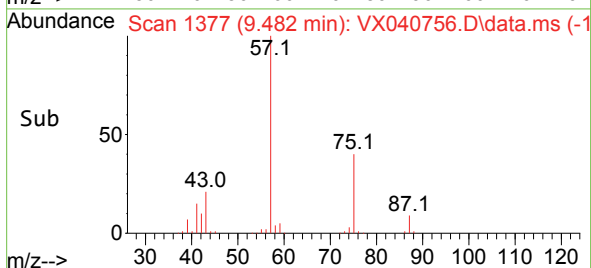
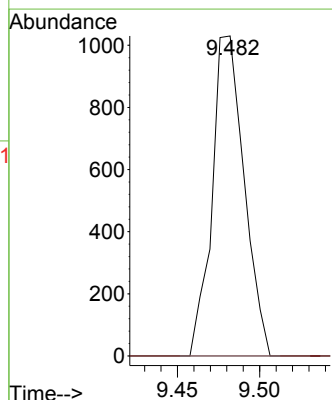
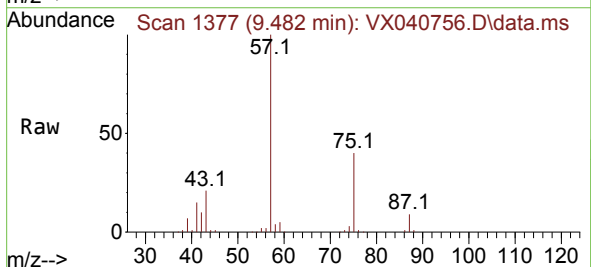
Instrument :
MSVOA_X
ClientSampleId :

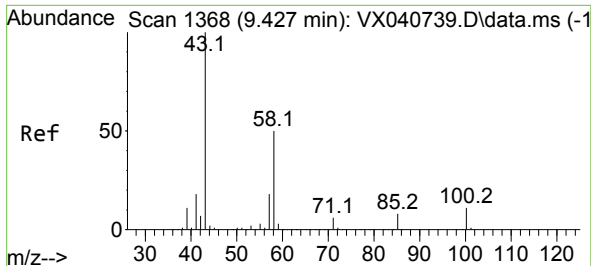
Tgt Ion: 69 Resp: 246
Ion Ratio Lower Upper
69 100
41 7986.2 56.8 85.2#
39 3670.7 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.507 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX040756.D
Acq: 21 Mar 2024 20:26

Tgt Ion: 76 Resp: 1398
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

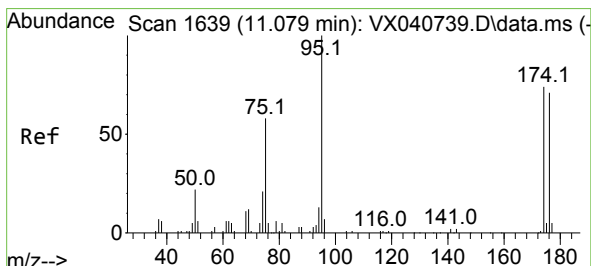
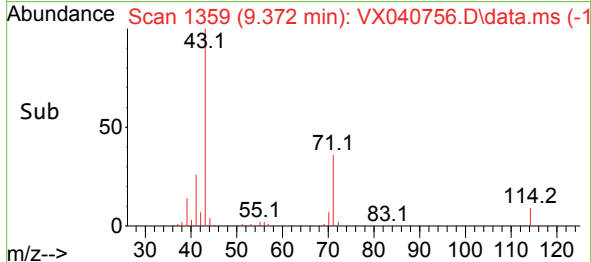
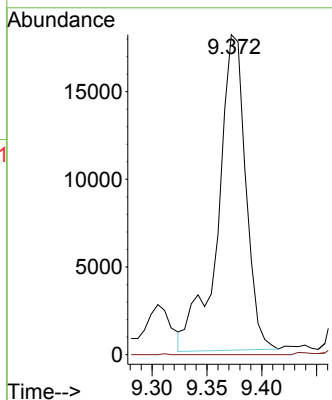
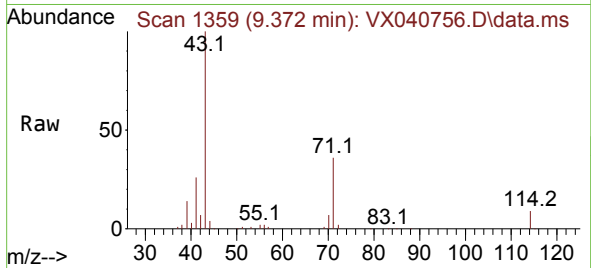




#59
2-Hexanone
Concen: 45.620 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX040756.D
Acq: 21 Mar 2024 20:26

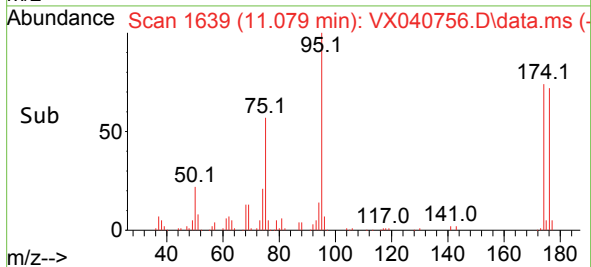
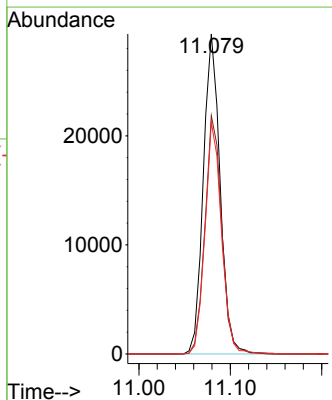
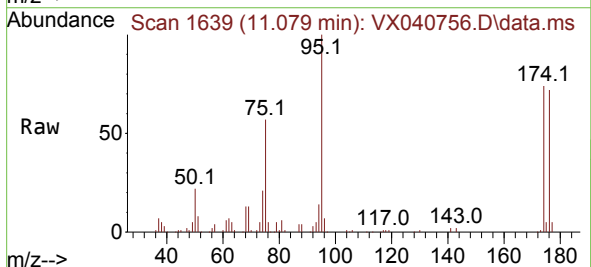
Instrument :
MSVOA_X
ClientSampleId :

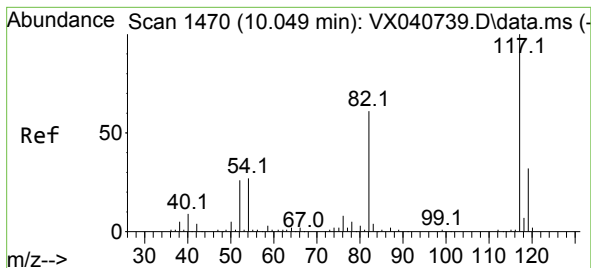
Tgt Ion: 43 Resp: 31681
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 50.031 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040756.D
Acq: 21 Mar 2024 20:26

Tgt Ion: 95 Resp: 37265
Ion Ratio Lower Upper
95 100
174 74.4 0.0 135.6
176 71.3 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX040756.D

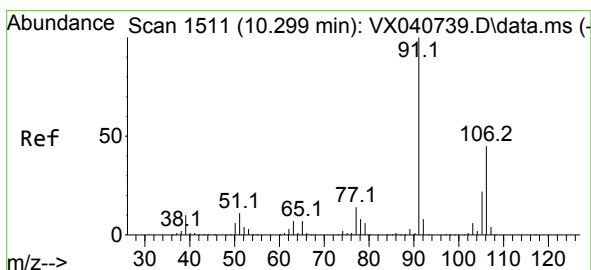
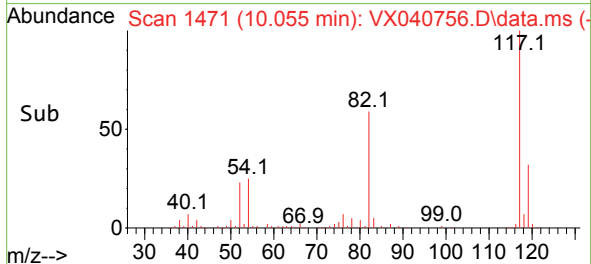
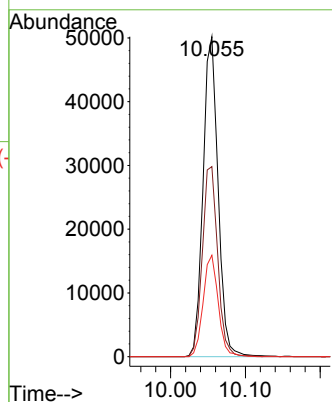
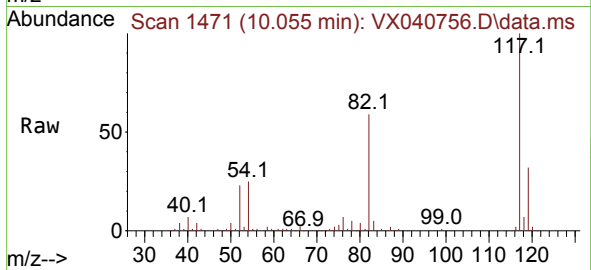
Acq: 21 Mar 2024 20:26

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:117	Resp:	70175
Ion Ratio	Lower	Upper
117	100	
82	59.4	46.2 69.4
119	31.7	25.5 38.3



#68

m/p-Xylenes

Concen: 0.204 ug/l

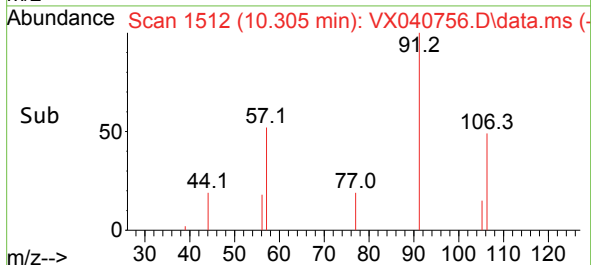
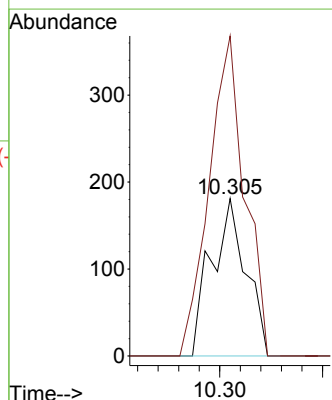
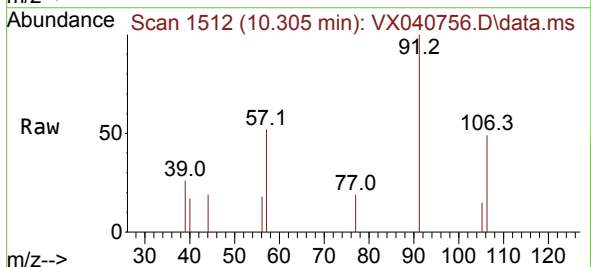
RT: 10.305 min Scan# 1512

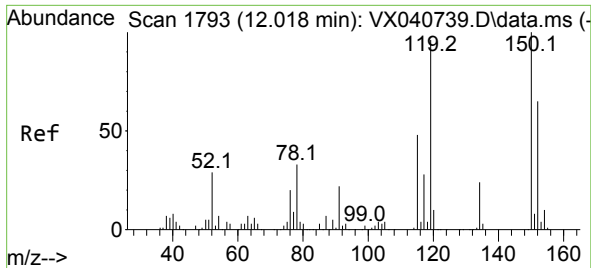
Delta R.T. 0.006 min

Lab File: VX040756.D

Acq: 21 Mar 2024 20:26

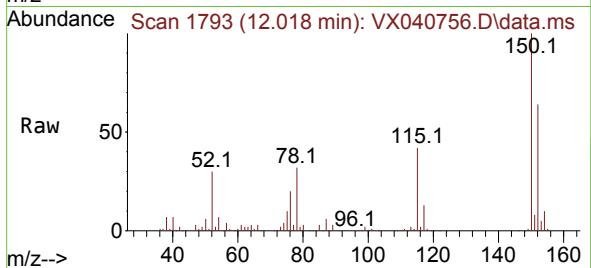
Tgt Ion:106	Resp:	213
Ion Ratio	Lower	Upper
106	100	
91	208.0	165.5 248.3



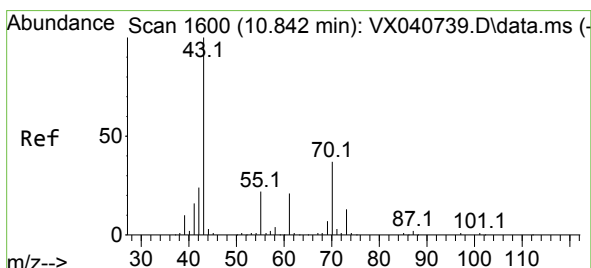
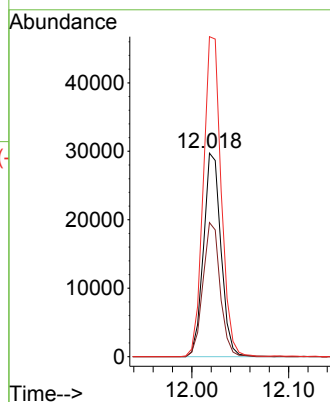
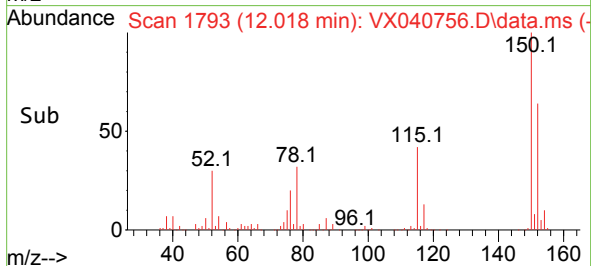


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX040756.D
 Acq: 21 Mar 2024 20:26

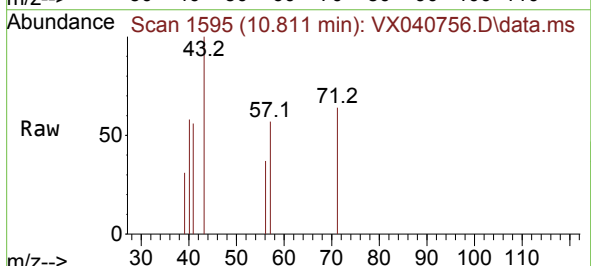
Instrument :
 MSVOA_X
 ClientSampleId :



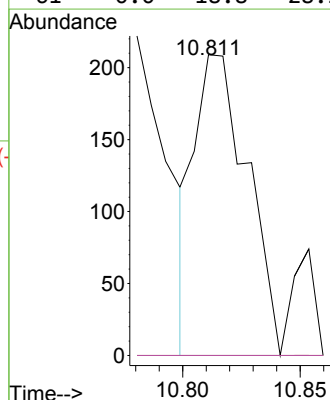
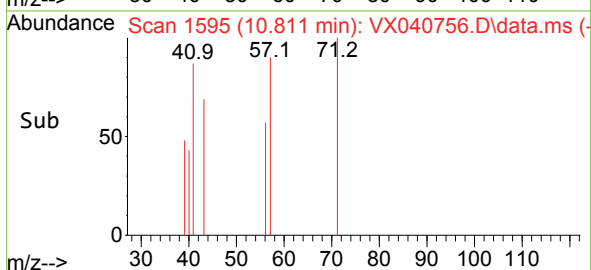
Tgt Ion:152 Resp: 37405
 Ion Ratio Lower Upper
 152 100
 115 64.7 43.3 129.9
 150 160.7 0.0 345.0

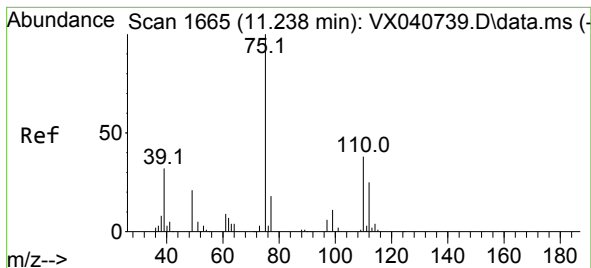


#74
 N-ethyl acetate
 Concen: 0.234 ug/l
 RT: 10.811 min Scan# 1595
 Delta R.T. -0.031 min
 Lab File: VX040756.D
 Acq: 21 Mar 2024 20:26



Tgt Ion: 43 Resp: 327
 Ion Ratio Lower Upper
 43 100
 70 0.0 32.9 49.3#
 55 0.0 19.3 28.9#
 61 0.0 18.8 28.2#

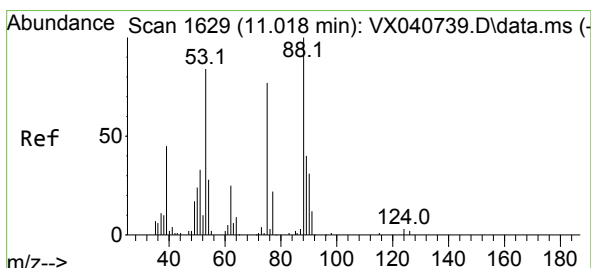
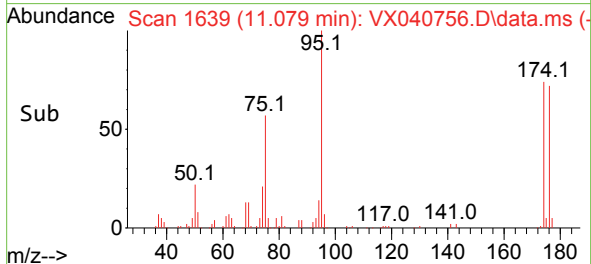
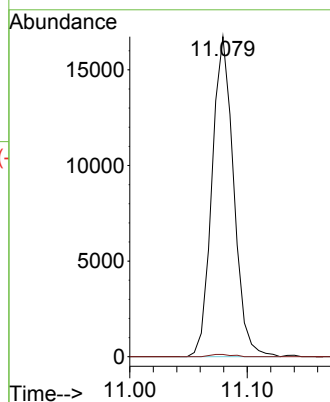
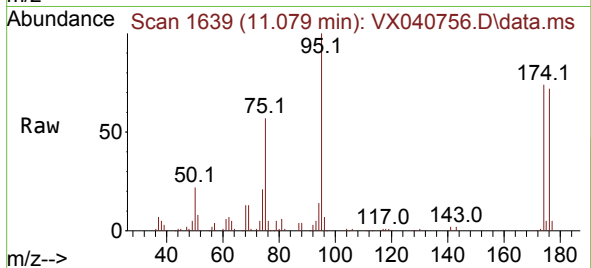




#76
1,2,3-Trichloropropane
Concen: 26.704 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040756.D
Acq: 21 Mar 2024 20:26

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 21483
Ion Ratio Lower Upper
75 100
77 0.7 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.556 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040756.D
Acq: 21 Mar 2024 20:26

Tgt Ion: 75 Resp: 21483
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

