

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071624\
 Data File : VX042339.D
 Acq On : 16 Jul 2024 13:37
 Operator : JC/MD
 Sample : P3224-21 50X
 Misc : 5.07g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 17 05:36:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	143638	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	220538	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	201164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96170	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	87388	52.760	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	105.520%
35) Dibromofluoromethane	5.391	113	84347	53.902	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.800%
50) Toluene-d8	8.653	98	263432	47.920	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.840%
62) 4-Bromofluorobenzene	11.079	95	96200	47.472	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.940%

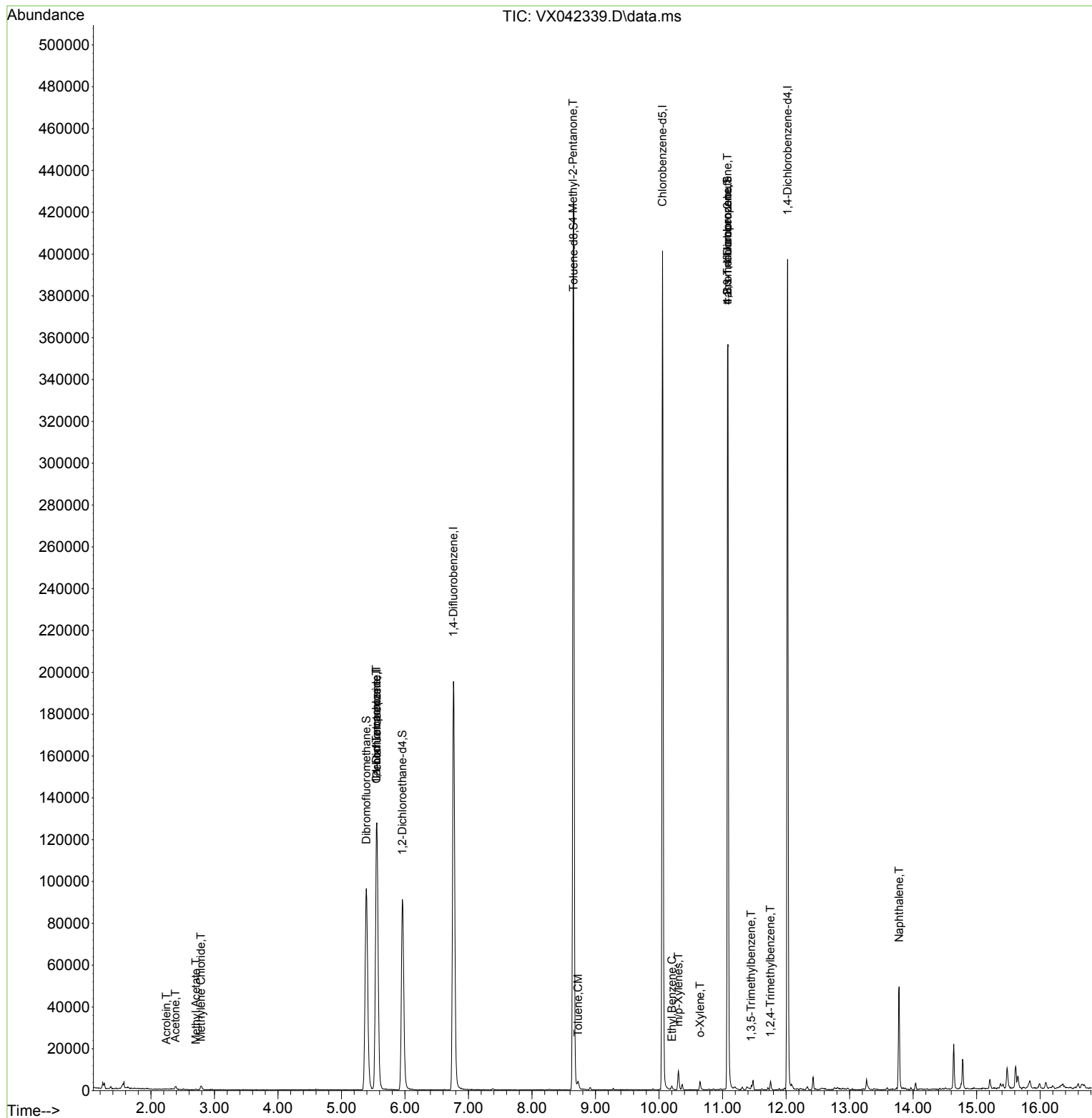
Target Compounds					Qvalue	
6) Chloroethane	1.746	64	22	Below Cal	#	43
13) Acrolein	2.239	56	115	0.326	ug/l	# 64
16) Acetone	2.386	43	1548	2.128	ug/l	96
18) Methyl Acetate	2.709	43	426	0.215	ug/l	# 63
20) Methylene Chloride	2.788	84	1171	0.735	ug/l	# 85
36) 1,1-Dichloropropene	5.550	75	7906	4.758	ug/l	# 51
38) Carbon Tetrachloride	5.550	117	11960	6.514	ug/l	# 16
51) 4-Methyl-2-Pentanone	8.647	43	950	0.415	ug/l	# 1
52) Toluene	8.726	92	1590	0.446	ug/l	97
67) Ethyl Benzene	10.201	91	1396	0.213	ug/l	94
68) m/p-Xylenes	10.305	106	2530	0.956	ug/l	94
69) o-Xylene	10.646	106	1074	0.410	ug/l	82
76) 1,2,3-Trichloropropane	11.079	75	43781	25.077	ug/l	# 39
80) 1,3,5-Trimethylbenzene	11.451	105	1195	0.245	ug/l	85
81) trans-1,4-Dichloro-2-b...	11.079	75	43781	71.216	ug/l	# 5
84) 1,2,4-Trimethylbenzene	11.756	105	2236	0.458	ug/l	98
95) Naphthalene	13.780	128	34421	5.665	ug/l	99

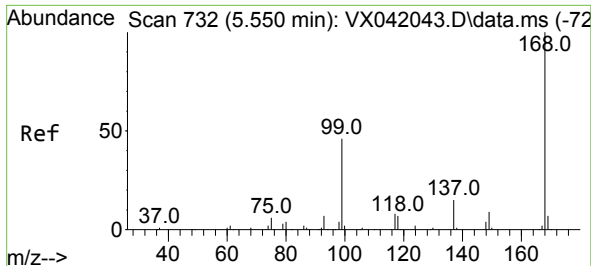
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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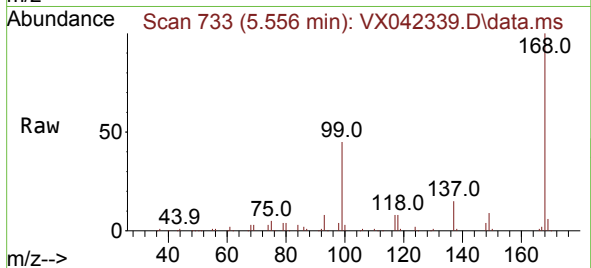
Quant Time: Jul 17 05:36:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 2024
Response via : Initial Calibration



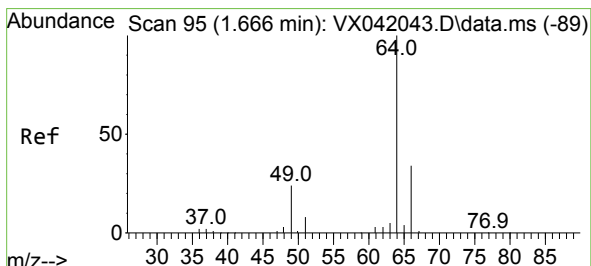
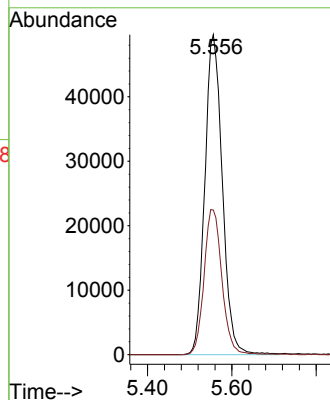
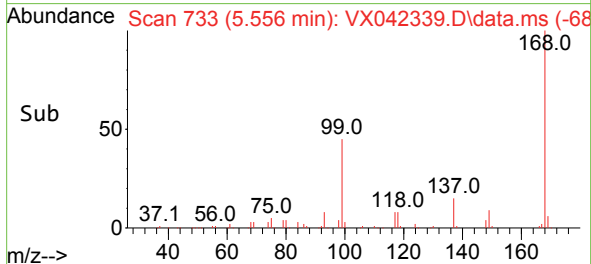


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX042339.D
Acq: 16 Jul 2024 13:37

Instrument :
MSVOA_X
ClientSampleId :

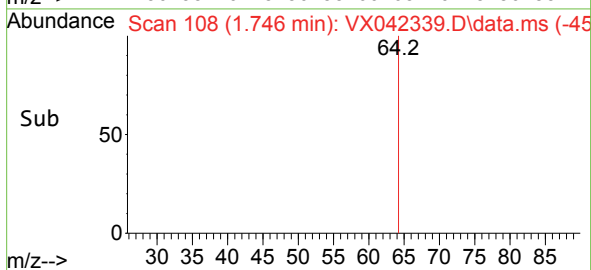
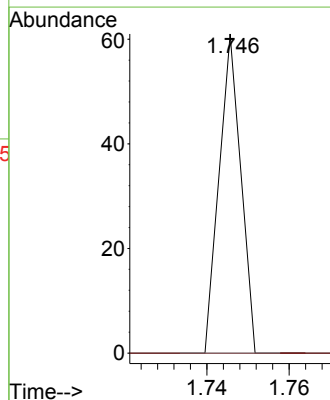
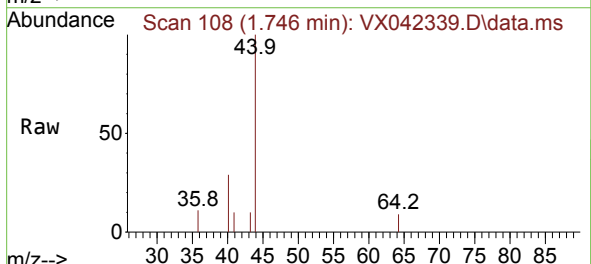


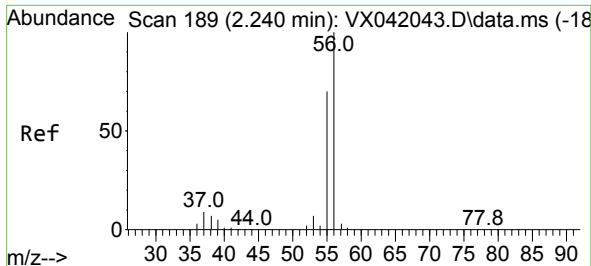
Tgt Ion:168 Resp: 143638
Ion Ratio Lower Upper
168 100
99 45.2 56.6 85.0#



#6
Chloroethane
Concen: Below Cal
RT: 1.746 min Scan# 108
Delta R.T. 0.086 min
Lab File: VX042339.D
Acq: 16 Jul 2024 13:37

Tgt Ion: 64 Resp: 22
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

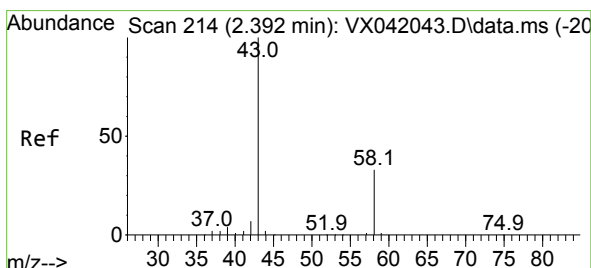
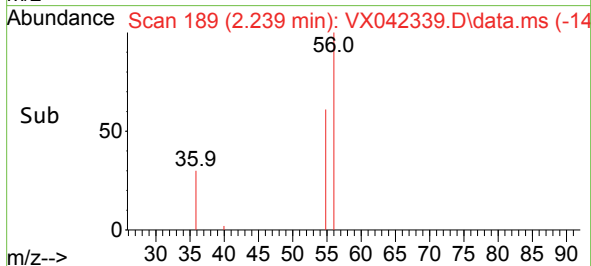
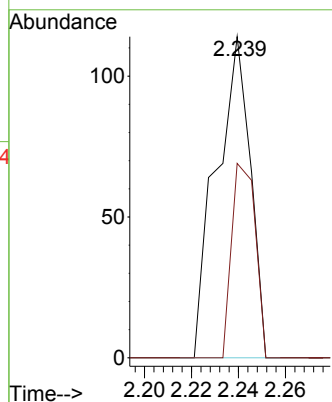
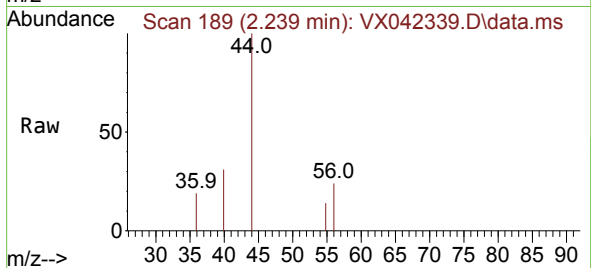




#13
Acrolein
Concen: 0.326 ug/l
RT: 2.239 min Scan# 115
Delta R.T. 0.000 min
Lab File: VX042339.D
Acq: 16 Jul 2024 13:37

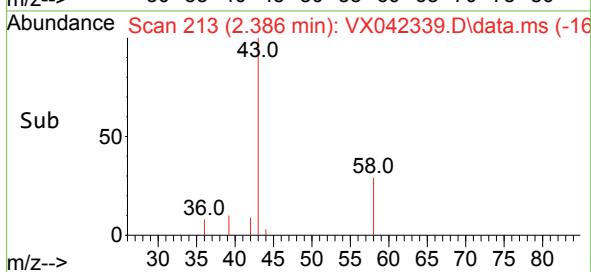
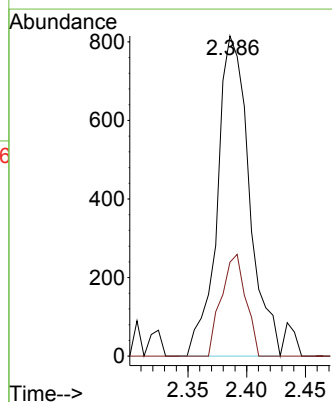
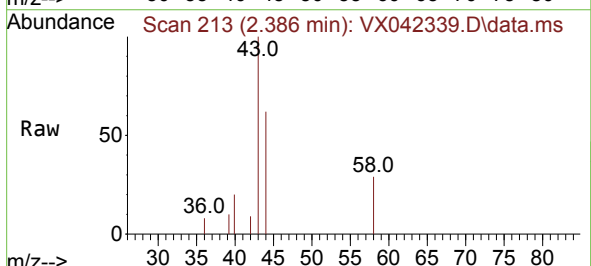
Instrument :
MSVOA_X
ClientSampleId :

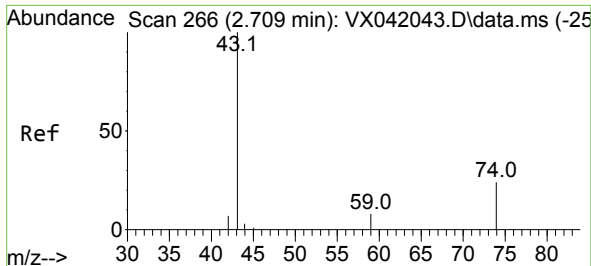
Tgt Ion: 56 Resp: 115
Ion Ratio Lower Upper
56 100
55 41.7 57.1 85.7#



#16
Acetone
Concen: 2.128 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX042339.D
Acq: 16 Jul 2024 13:37

Tgt Ion: 43 Resp: 1548
Ion Ratio Lower Upper
43 100
58 29.3 21.9 32.9

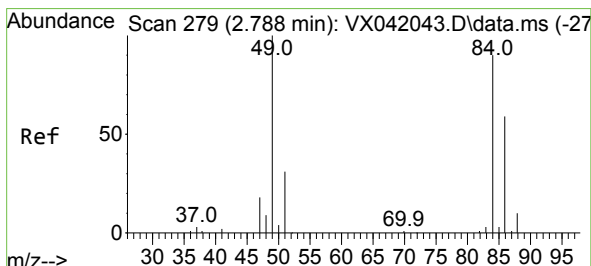
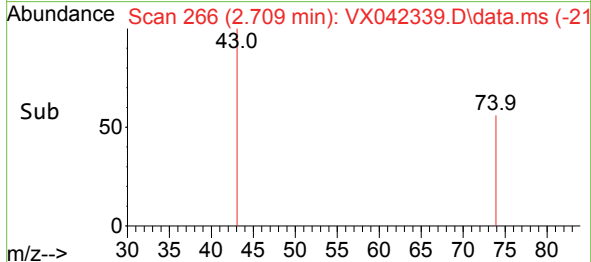
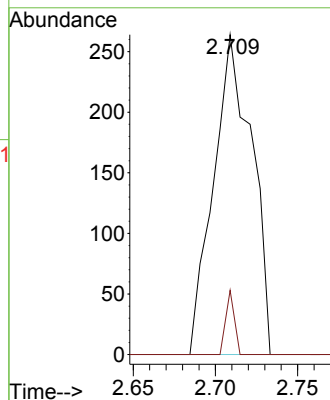
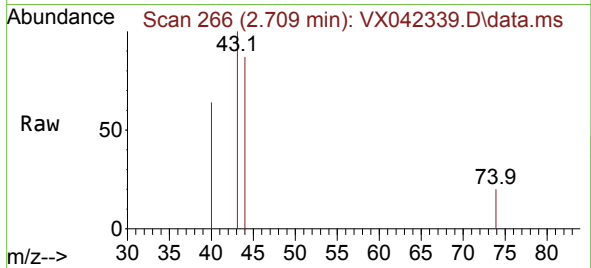




#18
Methyl Acetate
Concen: 0.215 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX042339.D
Acq: 16 Jul 2024 13:37

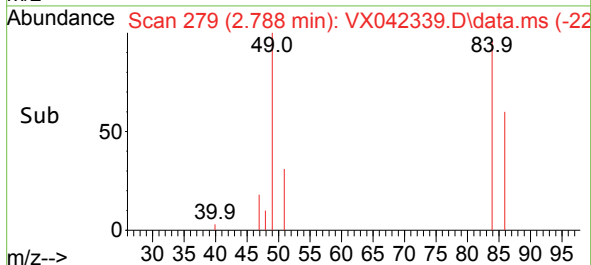
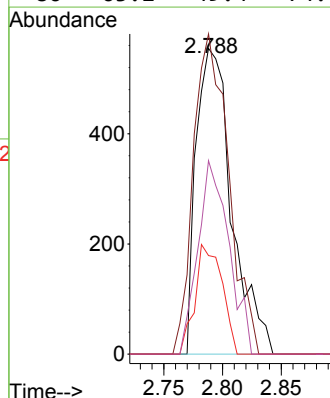
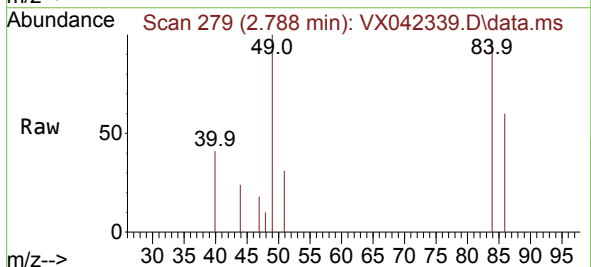
Instrument :
MSVOA_X
ClientSampleId :

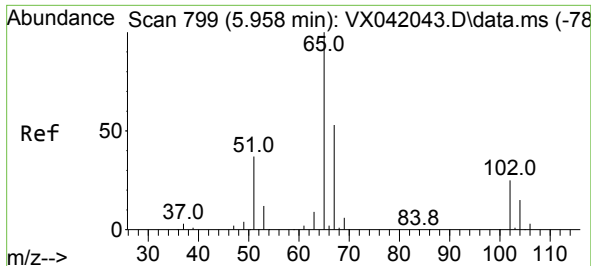
Tgt Ion: 43 Resp: 426
Ion Ratio Lower Upper
43 100
74 4.5 17.8 26.8#



#20
Methylene Chloride
Concen: 0.735 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX042339.D
Acq: 16 Jul 2024 13:37

Tgt Ion: 84 Resp: 1171
Ion Ratio Lower Upper
84 100
49 104.7 103.6 155.4
51 32.3 33.8 50.6#
86 63.2 49.4 74.0





#33

1,2-Dichloroethane-d4

Concen: 52.760 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX042339.D

Acq: 16 Jul 2024 13:37

Instrument :

MSVOA_X

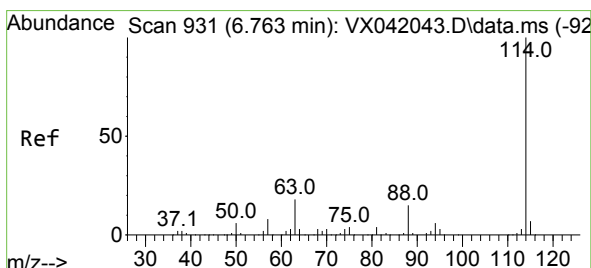
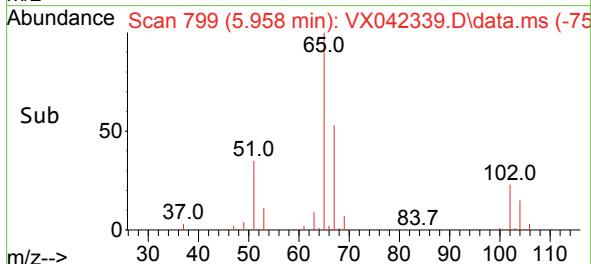
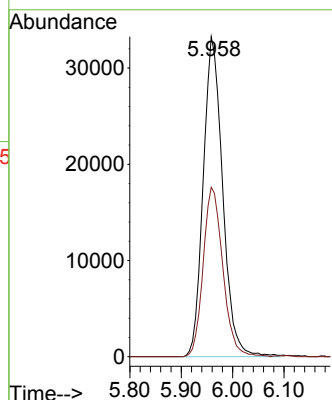
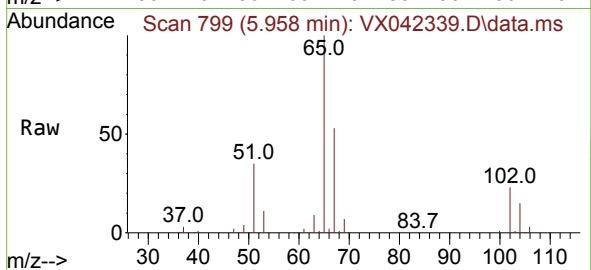
ClientSampleId :

Tgt Ion: 65 Resp: 87388

Ion Ratio Lower Upper

65 100

67 53.5 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX042339.D

Acq: 16 Jul 2024 13:37

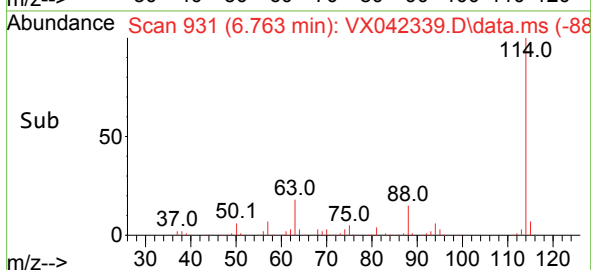
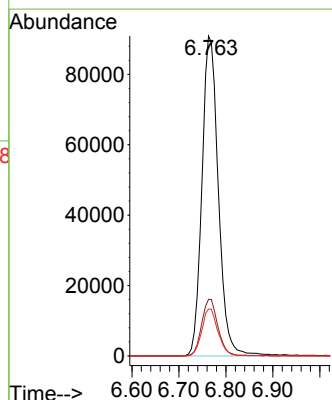
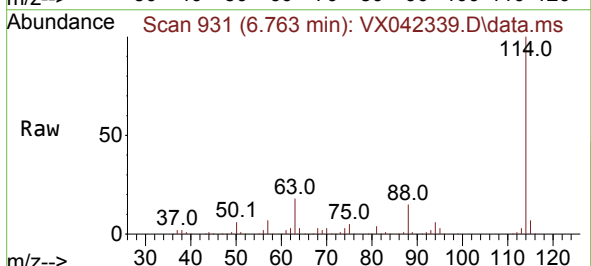
Tgt Ion:114 Resp: 220538

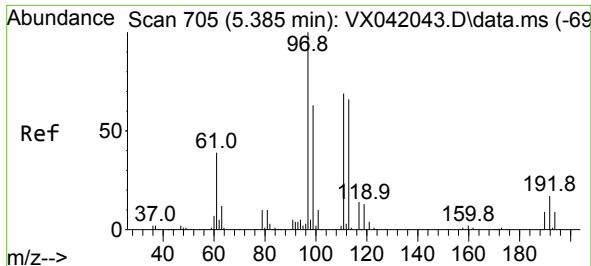
Ion Ratio Lower Upper

114 100

63 17.7 0.0 45.0

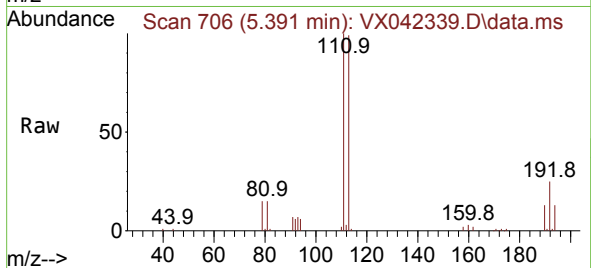
88 14.6 0.0 36.6



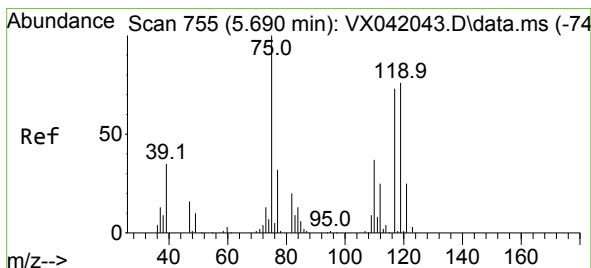
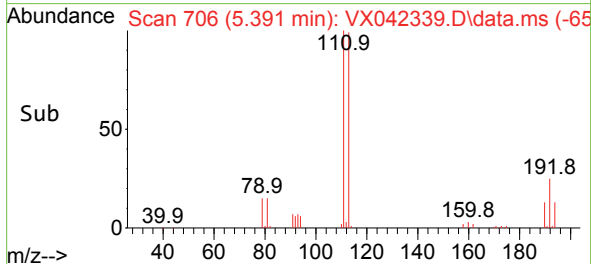
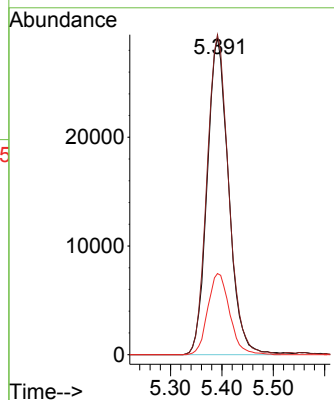


#35
Dibromofluoromethane
Concen: 53.902 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX042339.D
Acq: 16 Jul 2024 13:37

Instrument :
MSVOA_X
ClientSampleId :

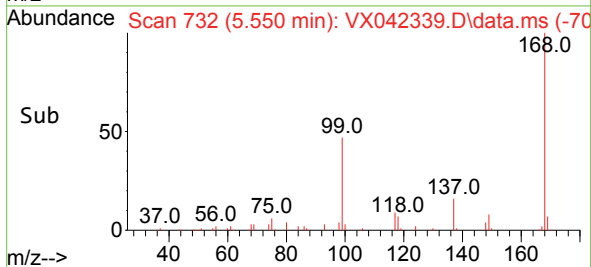
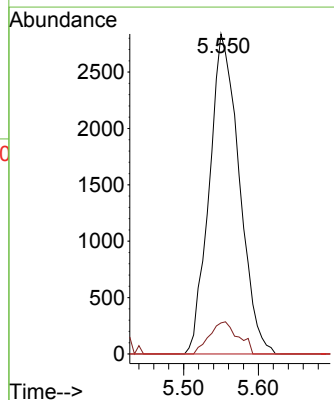
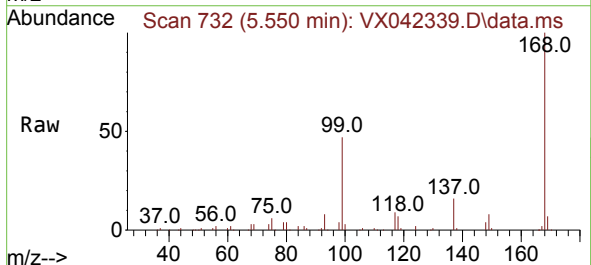


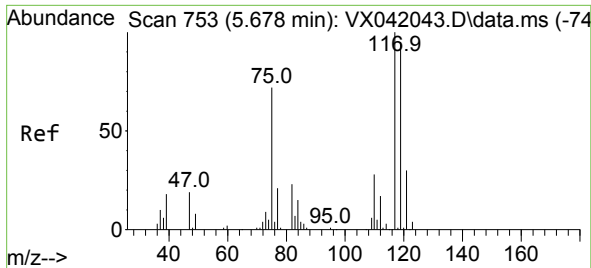
Tgt Ion:113 Resp: 84347
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 26.1 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.758 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX042339.D
Acq: 16 Jul 2024 13:37

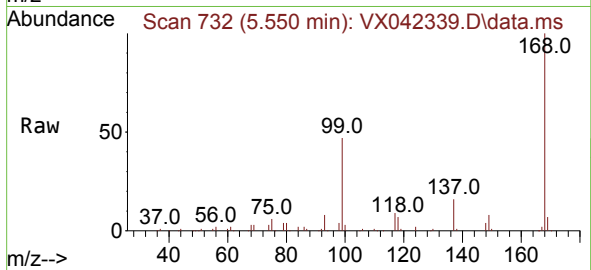
Tgt Ion: 75 Resp: 7906
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#



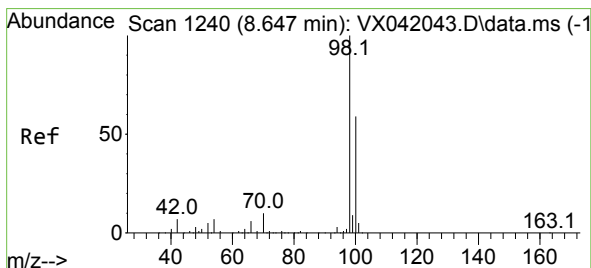
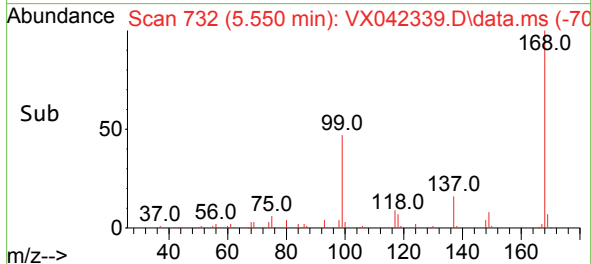
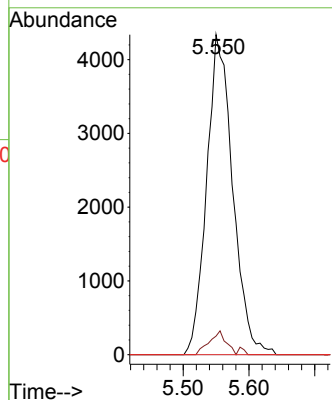


#38
Carbon Tetrachloride
Concen: 6.514 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX042339.D
Acq: 16 Jul 2024 13:37

Instrument :
MSVOA_X
ClientSampleId :

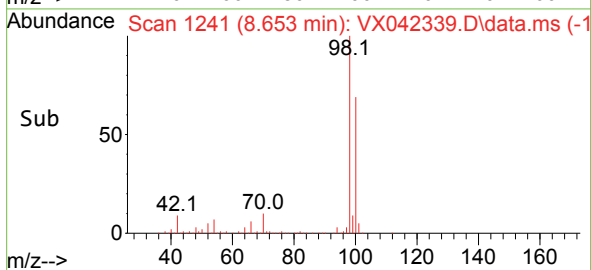
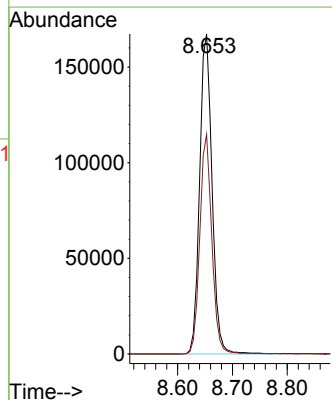
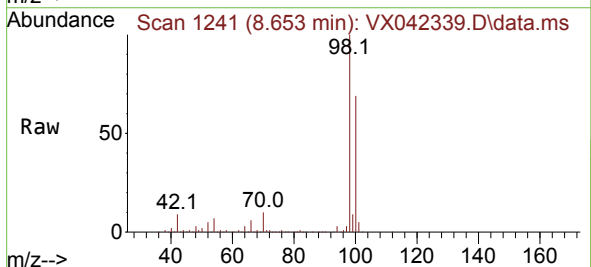


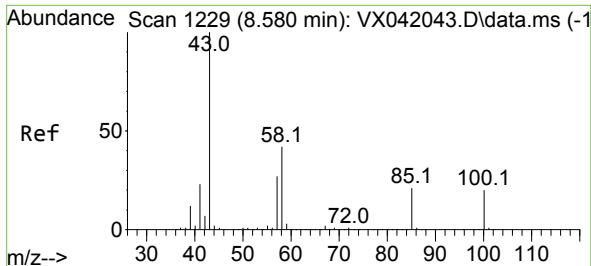
Tgt Ion:117 Resp: 11960
Ion Ratio Lower Upper
117 100
119 5.8 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 47.920 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX042339.D
Acq: 16 Jul 2024 13:37

Tgt Ion: 98 Resp: 263432
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.415 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX042339.D

Acq: 16 Jul 2024 13:37

Instrument :

MSVOA_X

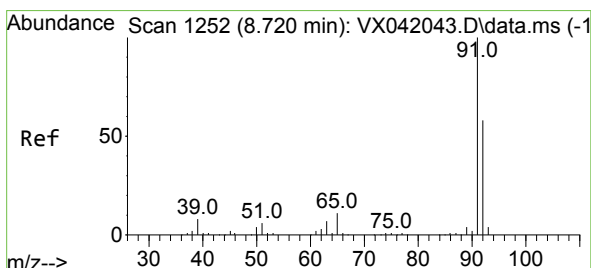
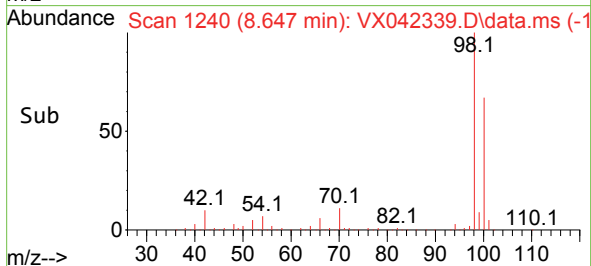
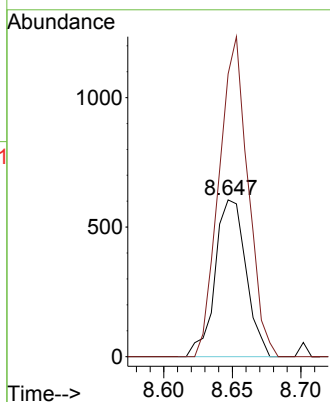
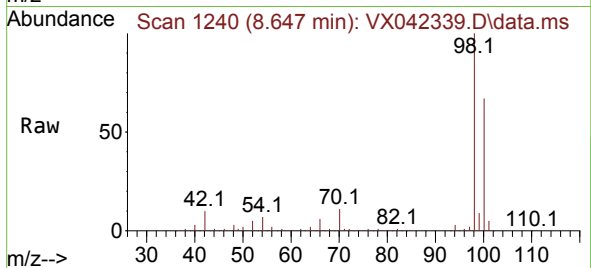
ClientSampleId :

Tgt Ion: 43 Resp: 950

Ion Ratio Lower Upper

43 100

58 191.7 30.4 45.6#



#52

Toluene

Concen: 0.446 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.006 min

Lab File: VX042339.D

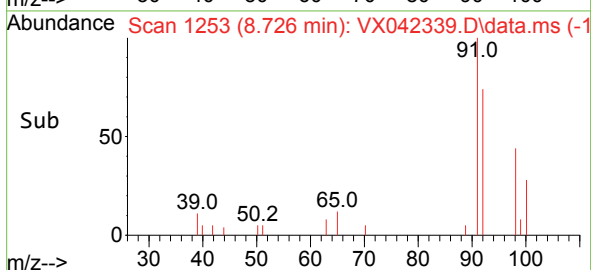
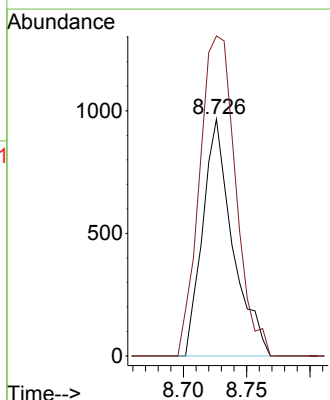
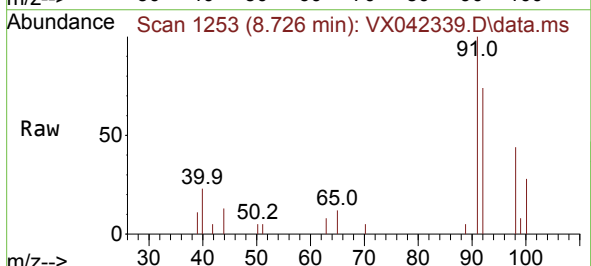
Acq: 16 Jul 2024 13:37

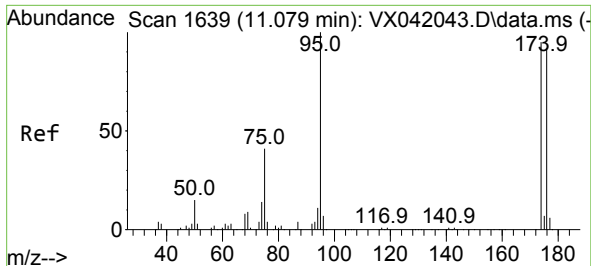
Tgt Ion: 92 Resp: 1590

Ion Ratio Lower Upper

92 100

91 163.1 134.2 201.2





#62

4-Bromofluorobenzene

Concen: 47.472 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX042339.D

Acq: 16 Jul 2024 13:37

Instrument :

MSVOA_X

ClientSampleId :

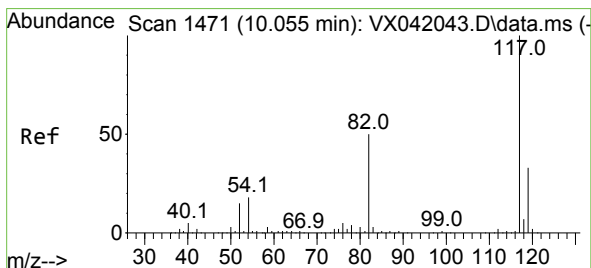
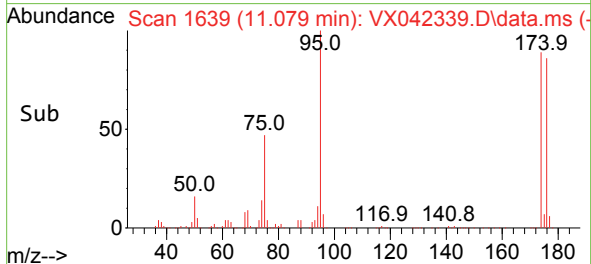
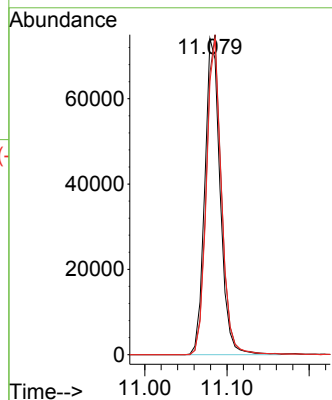
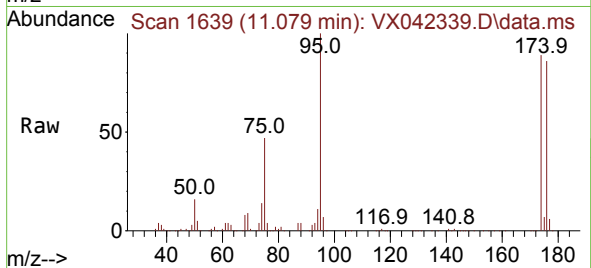
Tgt Ion: 95 Resp: 96200

Ion Ratio Lower Upper

95 100

174 99.7 0.0 135.6

176 97.5 0.0 131.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX042339.D

Acq: 16 Jul 2024 13:37

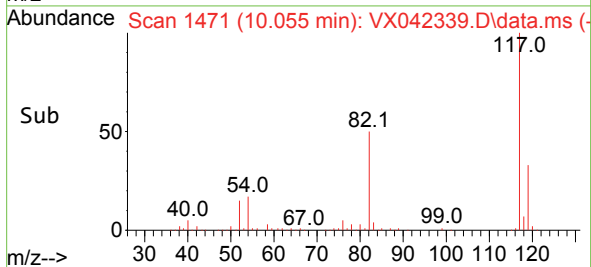
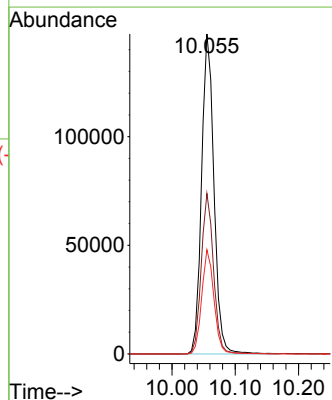
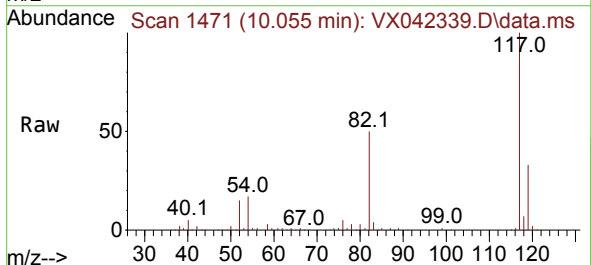
Tgt Ion: 117 Resp: 201164

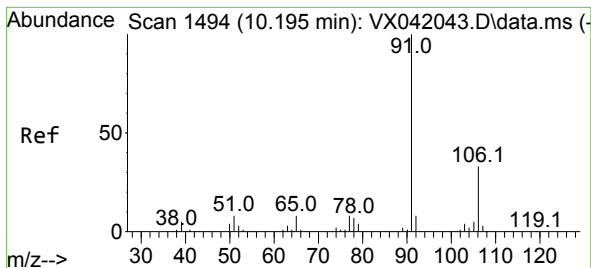
Ion Ratio Lower Upper

117 100

82 50.1 46.2 69.4

119 32.6 25.5 38.3





#67

Ethyl Benzene

Concen: 0.213 ug/l

RT: 10.201 min Scan# 1495

Delta R.T. 0.006 min

Lab File: VX042339.D

Acq: 16 Jul 2024 13:37

Instrument :

MSVOA_X

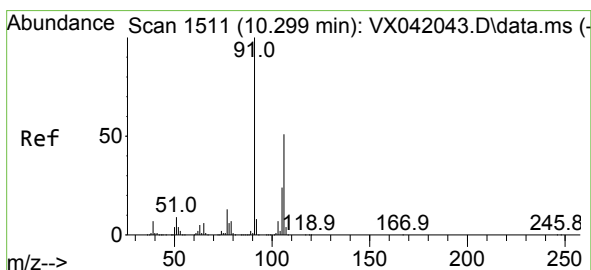
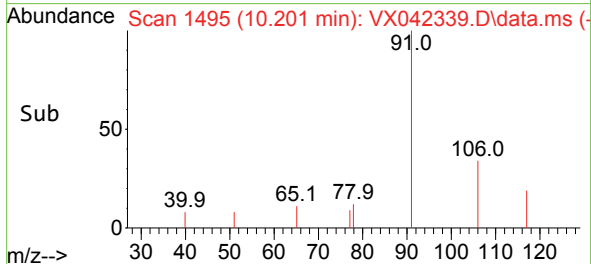
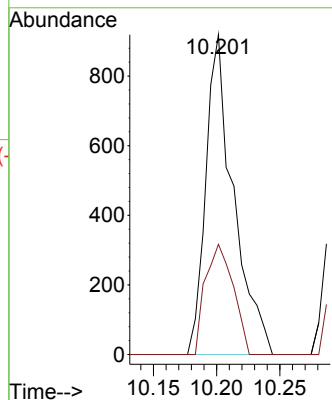
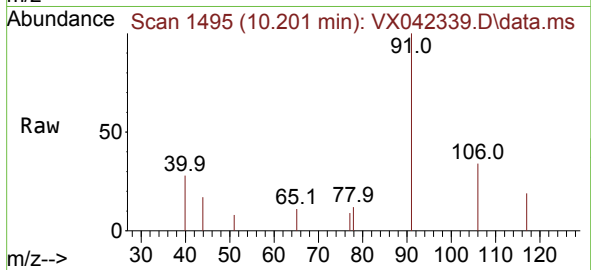
ClientSampleId :

Tgt Ion: 91 Resp: 1396

Ion Ratio Lower Upper

91 100

106 34.5 24.9 37.3



#68

m/p-Xylenes

Concen: 0.956 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX042339.D

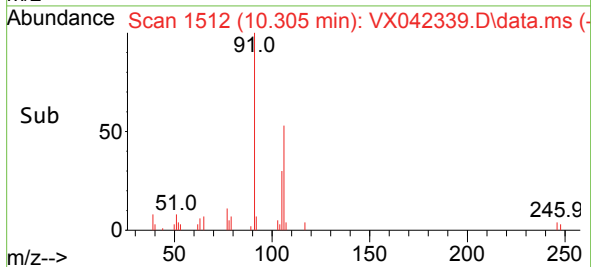
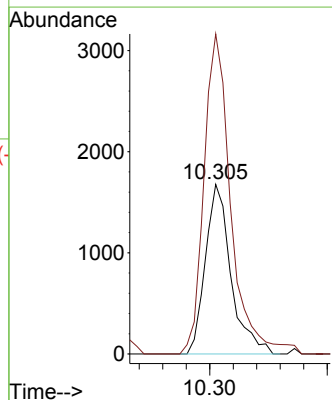
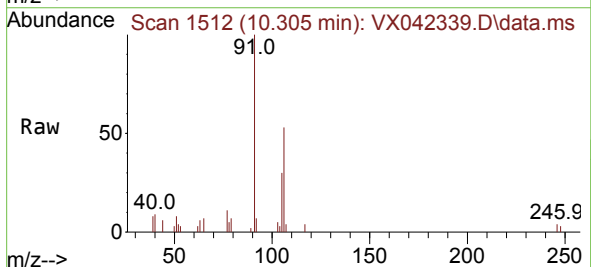
Acq: 16 Jul 2024 13:37

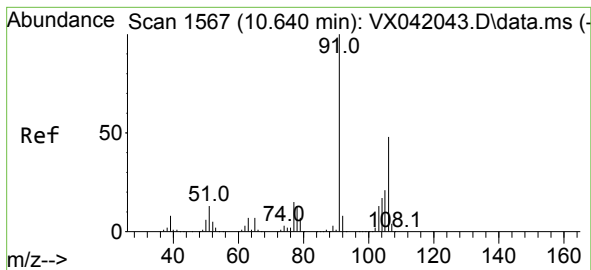
Tgt Ion: 106 Resp: 2530

Ion Ratio Lower Upper

106 100

91 198.1 165.5 248.3





#69

o-Xylene

Concen: 0.410 ug/l

RT: 10.646 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX042339.D

Acq: 16 Jul 2024 13:37

Instrument :

MSVOA_X

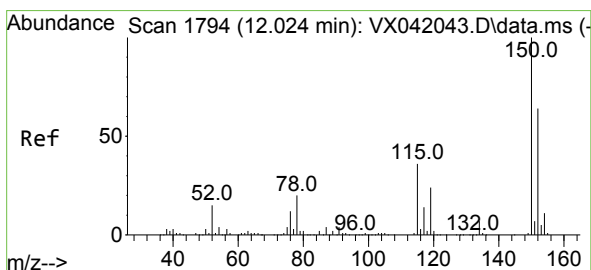
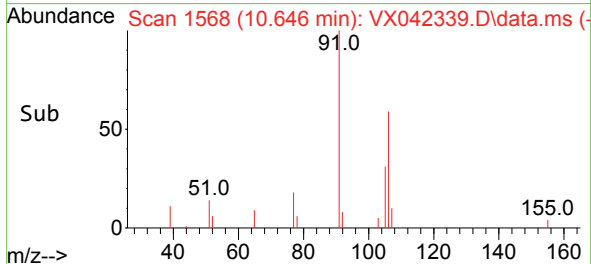
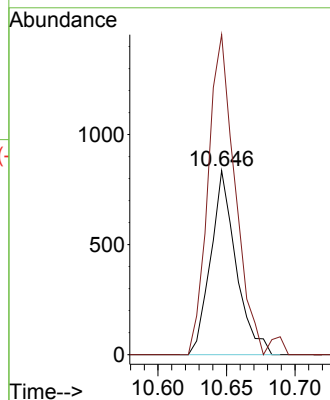
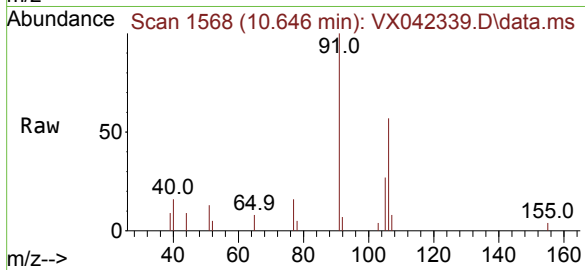
ClientSampleId :

Tgt Ion:106 Resp: 1074

Ion Ratio Lower Upper

106 100

91 189.3 108.9 326.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX042339.D

Acq: 16 Jul 2024 13:37

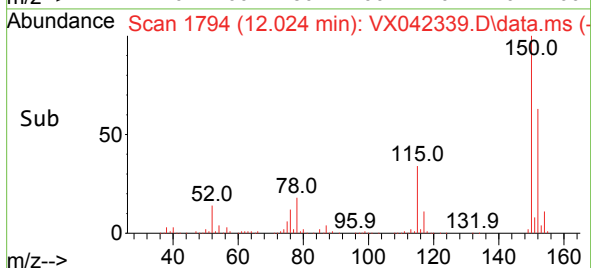
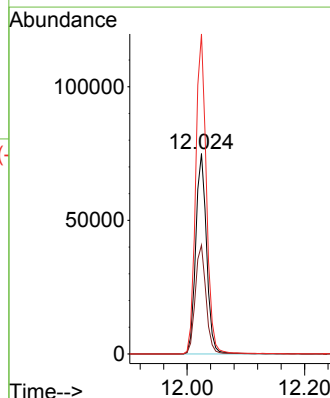
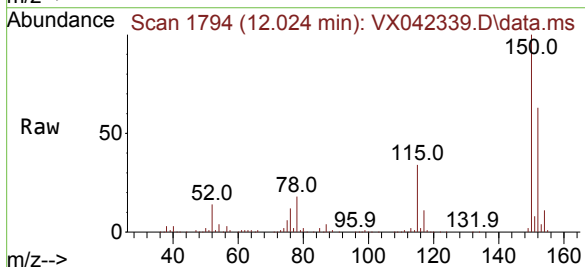
Tgt Ion:152 Resp: 96170

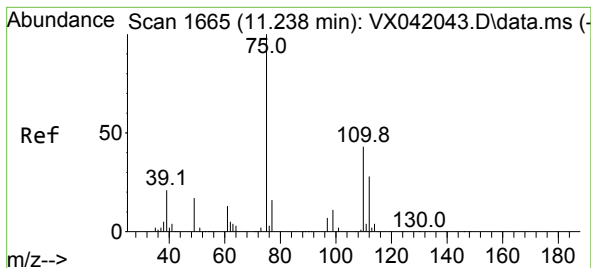
Ion Ratio Lower Upper

152 100

115 53.9 43.3 129.9

150 157.6 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.077 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX042339.D

Acq: 16 Jul 2024 13:37

Instrument :

MSVOA_X

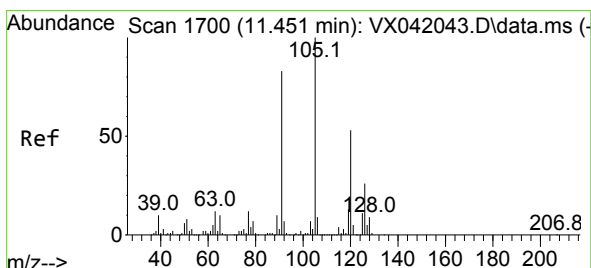
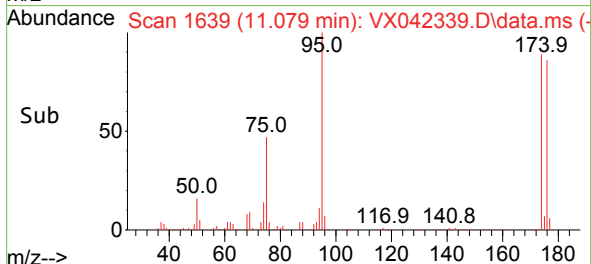
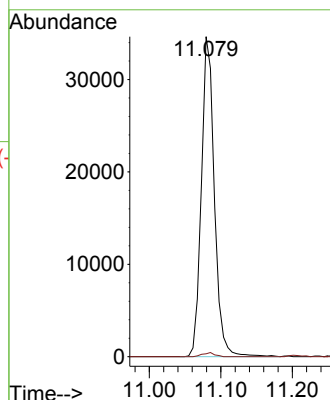
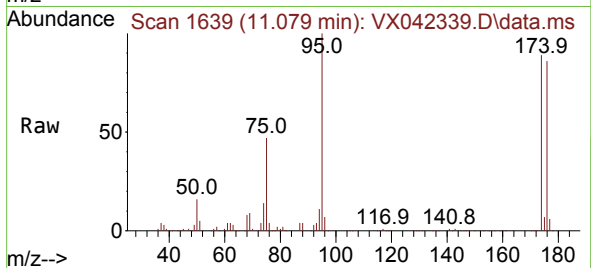
ClientSampleId :

Tgt Ion: 75 Resp: 43781

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#80

1,3,5-Trimethylbenzene

Concen: 0.245 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX042339.D

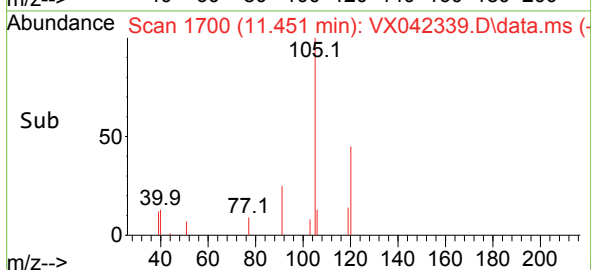
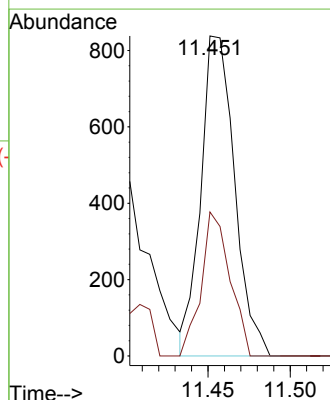
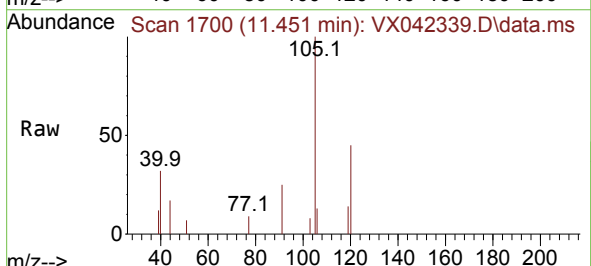
Acq: 16 Jul 2024 13:37

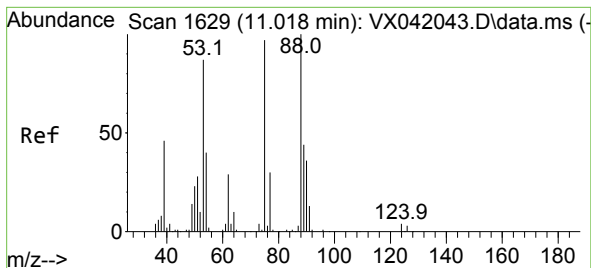
Tgt Ion: 105 Resp: 1195

Ion Ratio Lower Upper

105 100

120 38.3 24.1 72.3

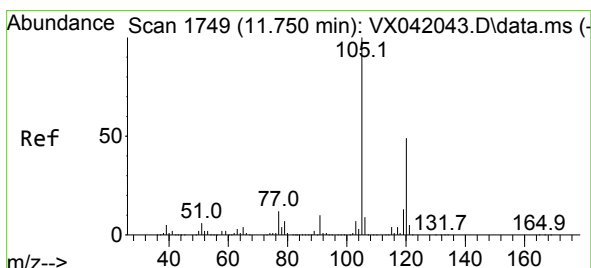
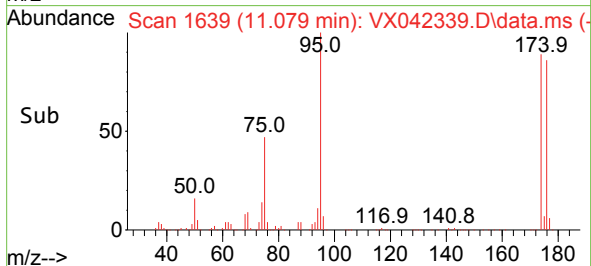
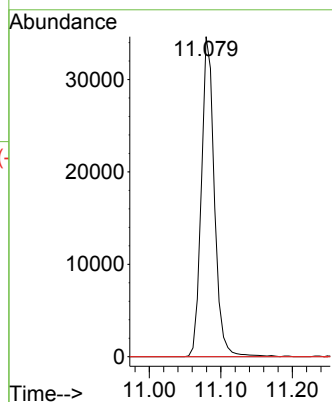
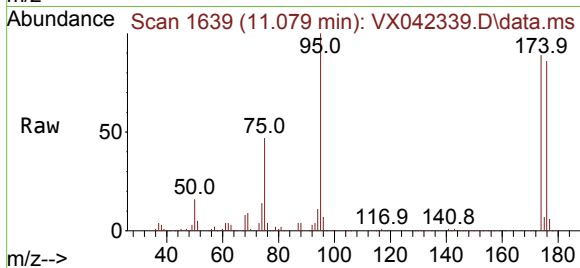




#81
trans-1,4-Dichloro-2-butene
Concen: 71.216 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX042339.D
Acq: 16 Jul 2024 13:37

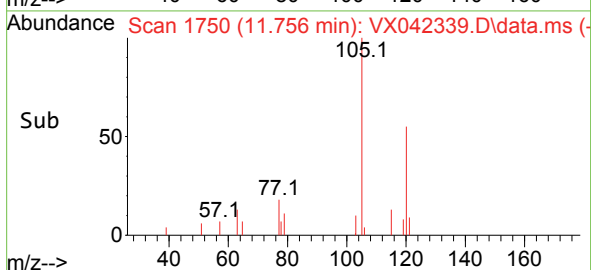
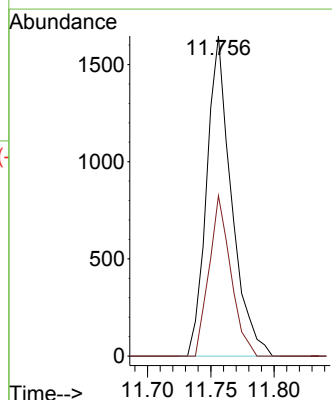
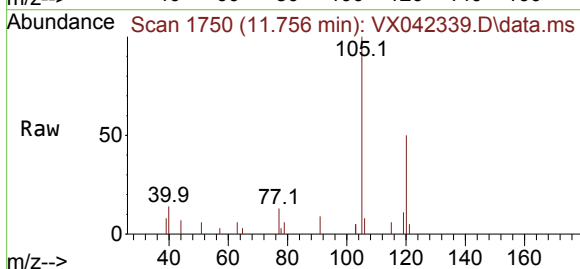
Instrument :
MSVOA_X
ClientSampleId :

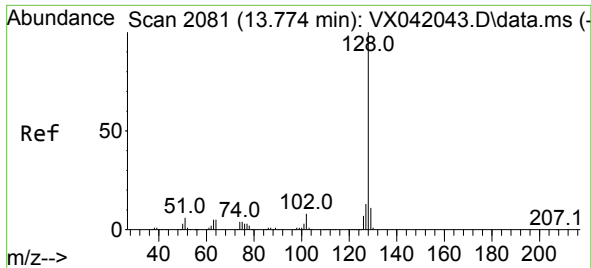
Tgt Ion: 75 Resp: 43781
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.458 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX042339.D
Acq: 16 Jul 2024 13:37

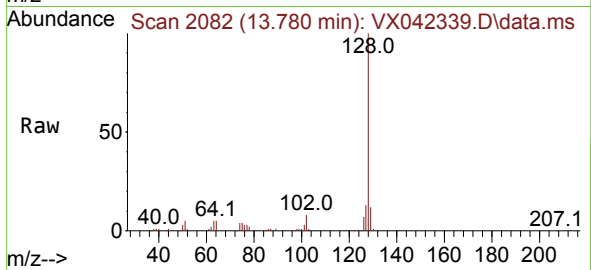
Tgt Ion: 105 Resp: 2236
Ion Ratio Lower Upper
105 100
120 44.0 21.2 63.6





#95
Naphthalene
Concen: 5.665 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX042339.D
Acq: 16 Jul 2024 13:37

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	11.4	8.8	13.2

