

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122623\
 Data File : VX039470.D
 Acq On : 26 Dec 2023 16:12
 Operator : JC/MD
 Sample : 06019-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 27 04:39:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

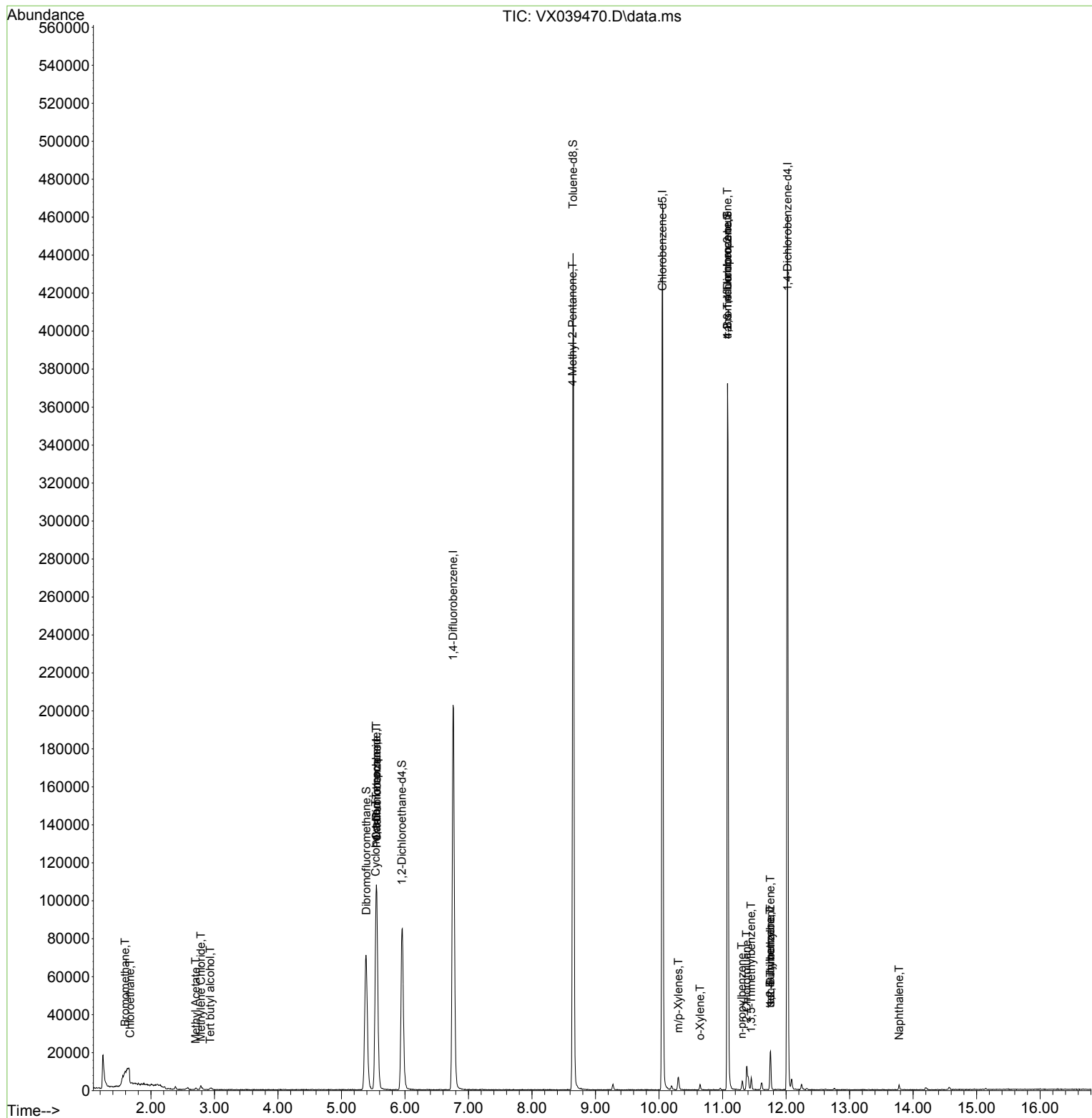
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	94104	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	197538	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86095	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	82390	47.792	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.580%
35) Dibromofluoromethane	5.391	113	63161	46.282	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.560%
50) Toluene-d8	8.647	98	251661	49.672	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.340%
62) 4-Bromofluorobenzene	11.079	95	103399	49.464	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.920%
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	255	0.325	ug/l #	46
6) Chloroethane	1.672	64	489	0.595	ug/l #	44
11) Tert butyl alcohol	2.934	59	581	1.342	ug/l #	78
16) Acetone	2.386	43	1174	Below Cal	#	36
18) Methyl Acetate	2.703	43	986	0.264	ug/l #	82
20) Methylene Chloride	2.788	84	920	0.640	ug/l #	91
31) Cyclohexane	5.537	56	2565	1.152	ug/l #	44
36) 1,1-Dichloropropene	5.550	75	8948	4.155	ug/l #	51
38) Carbon Tetrachloride	5.550	117	11441	5.567	ug/l #	13
51) 4-Methyl-2-Pentanone	8.641	43	1491	0.541	ug/l #	1
68) m/p-Xylenes	10.305	106	1716	0.599	ug/l	99
69) o-Xylene	10.646	106	604	0.218	ug/l	82
76) 1,2,3-Trichloropropane	11.079	75	57252	25.703	ug/l #	38
78) n-propylbenzene	11.305	91	1868	0.228	ug/l	97
79) 2-Chlorotoluene	11.378	91	1409	0.285	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.451	105	2955	0.522	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	57252	72.509	ug/l #	5
83) tert-Butylbenzene	11.750	119	1078	0.200	ug/l #	39
84) 1,2,4-Trimethylbenzene	11.756	105	9703	1.672	ug/l	99
85) sec-Butylbenzene	11.756	105	9703	1.416	ug/l #	57
95) Naphthalene	13.780	128	1806	0.287	ug/l	99

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

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Quant Time: Dec 27 04:39:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 01:28:15 2023
Response via : Initial Calibration

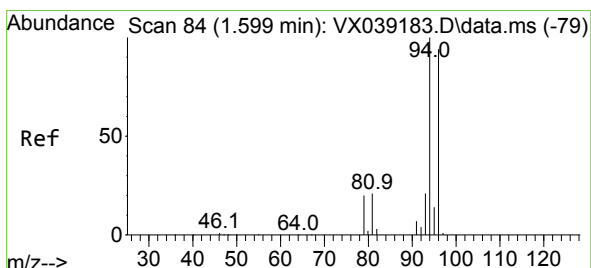
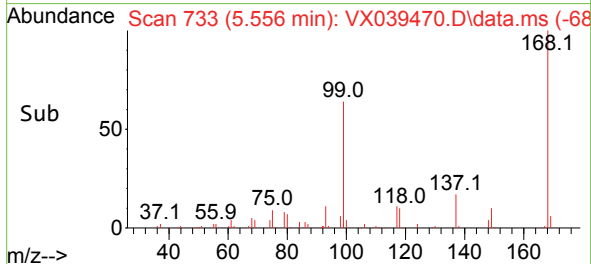
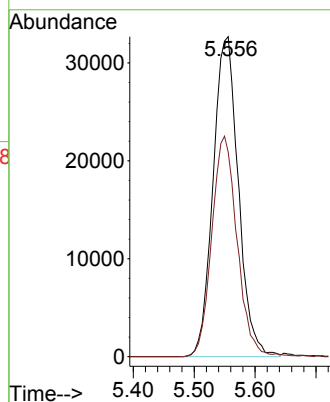
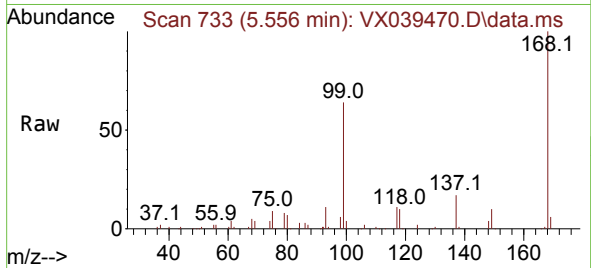




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX039470.D
Acq: 26 Dec 2023 16:12

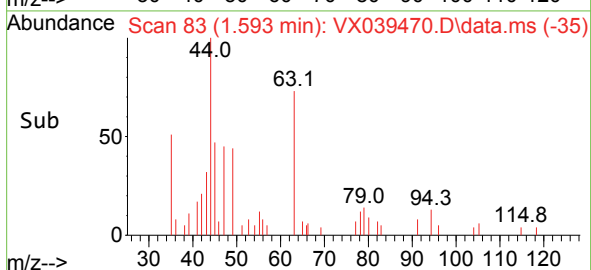
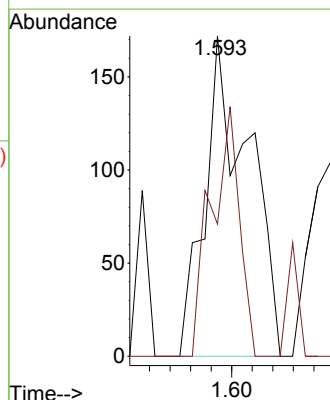
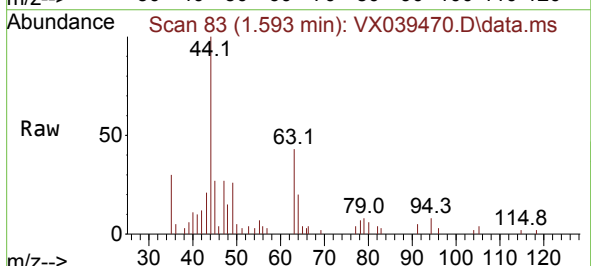
Instrument :
MSVOA_X
ClientSampleId :

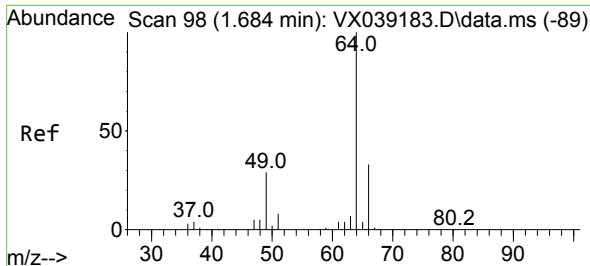
Tgt Ion:168 Resp: 94104
Ion Ratio Lower Upper
168 100
99 64.0 56.6 85.0



#5
Bromomethane
Concen: 0.325 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX039470.D
Acq: 26 Dec 2023 16:12

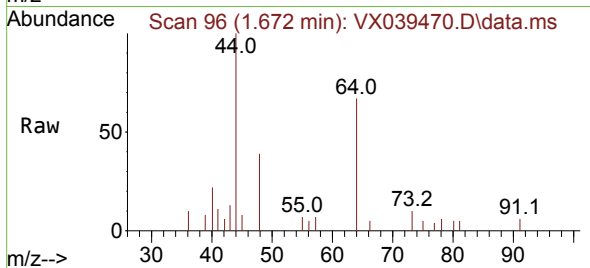
Tgt Ion: 94 Resp: 255
Ion Ratio Lower Upper
94 100
96 41.3 74.6 111.8#



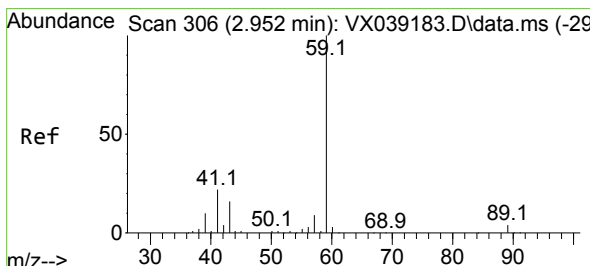
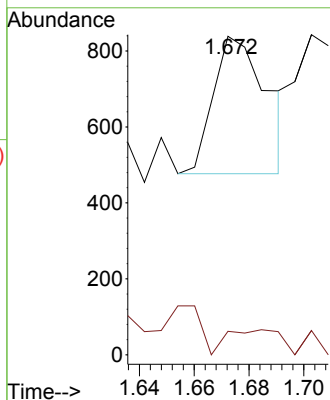
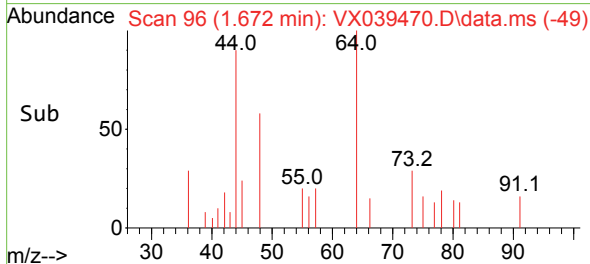


#6
 Chloroethane
 Concen: 0.595 ug/l
 RT: 1.672 min Scan# 91
 Delta R.T. -0.012 min
 Lab File: VX039470.D
 Acq: 26 Dec 2023 16:12

Instrument :
 MSVOA_X
 ClientSampleId :

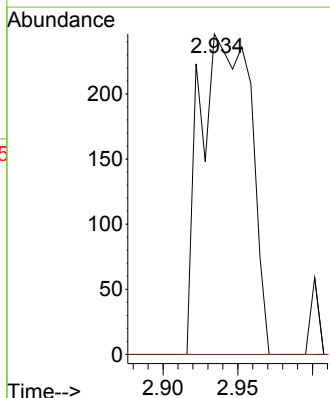
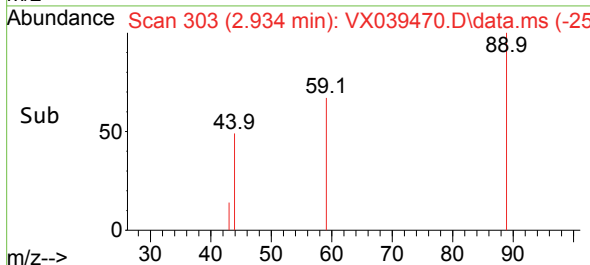
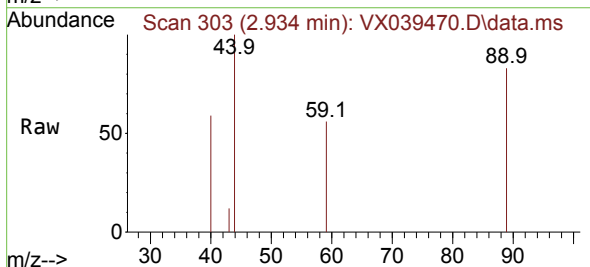


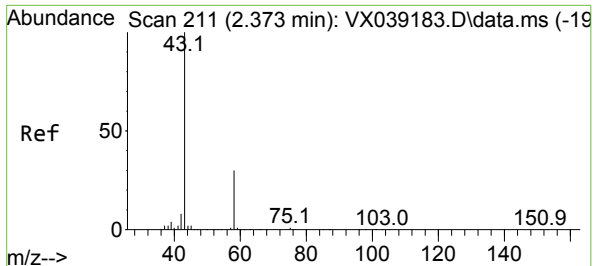
Tgt Ion: 64 Resp: 489
 Ion Ratio Lower Upper
 64 100
 66 0.3 25.1 37.7#



#11
 Tert butyl alcohol
 Concen: 1.342 ug/l
 RT: 2.934 min Scan# 303
 Delta R.T. -0.018 min
 Lab File: VX039470.D
 Acq: 26 Dec 2023 16:12

Tgt Ion: 59 Resp: 581
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.0 9.0#

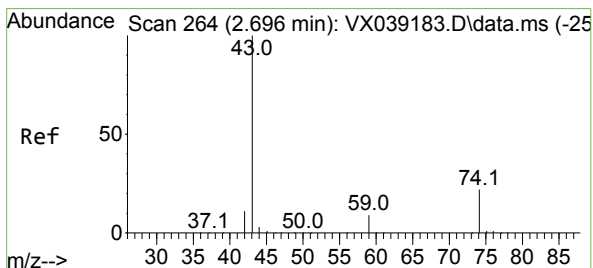
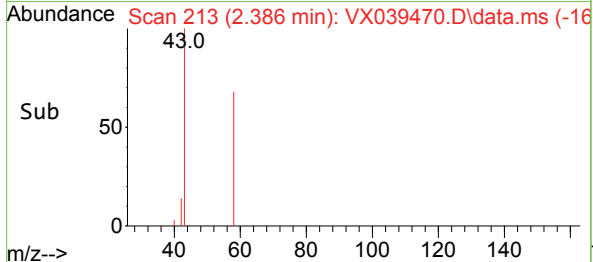
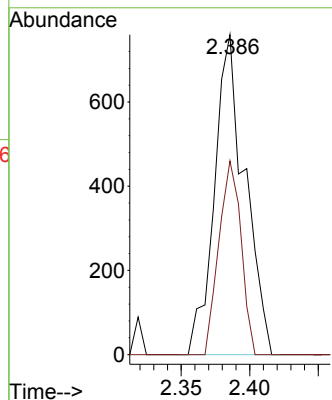
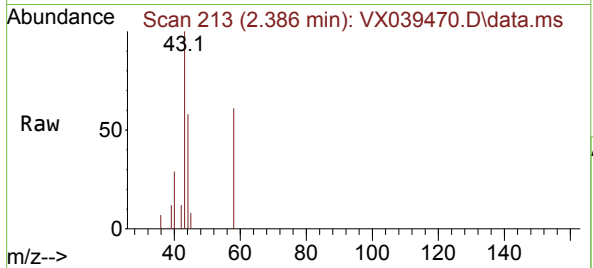




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 211
Delta R.T. 0.013 min
Lab File: VX039470.D
Acq: 26 Dec 2023 16:12

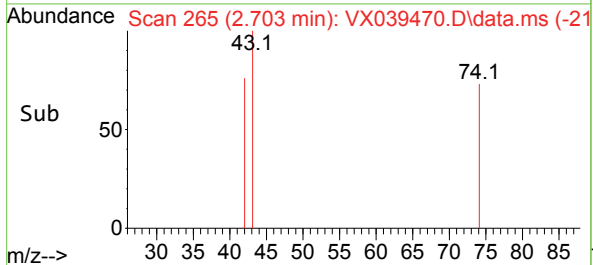
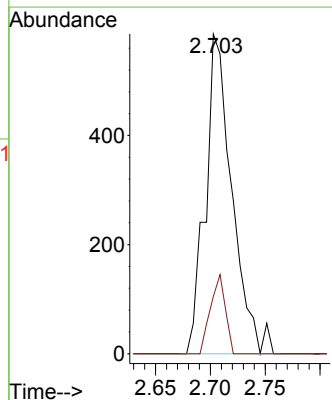
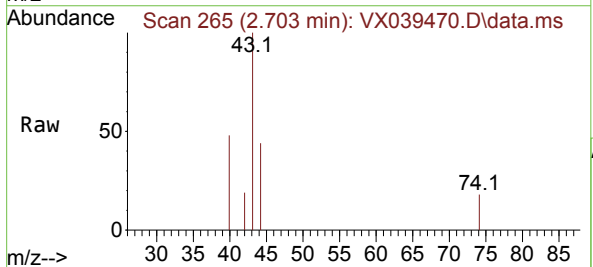
Instrument :
MSVOA_X
ClientSampleId :

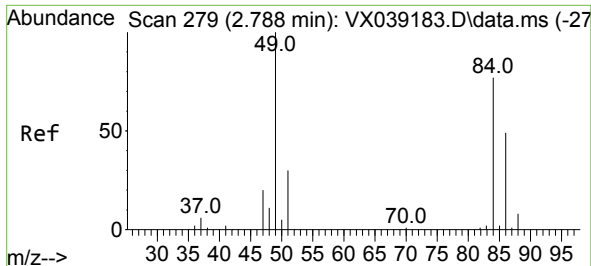
Tgt Ion: 43 Resp: 1174
Ion Ratio Lower Upper
43 100
58 60.5 21.9 32.9#



#18
Methyl Acetate
Concen: 0.264 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX039470.D
Acq: 26 Dec 2023 16:12

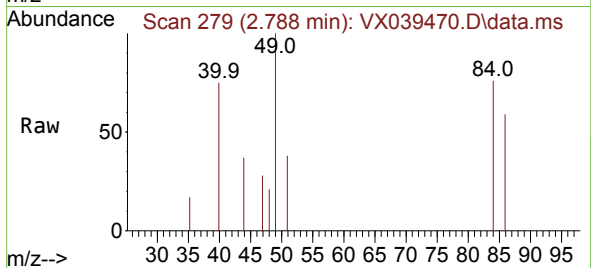
Tgt Ion: 43 Resp: 986
Ion Ratio Lower Upper
43 100
74 13.8 17.8 26.8#





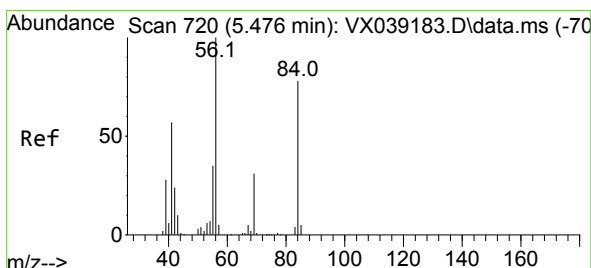
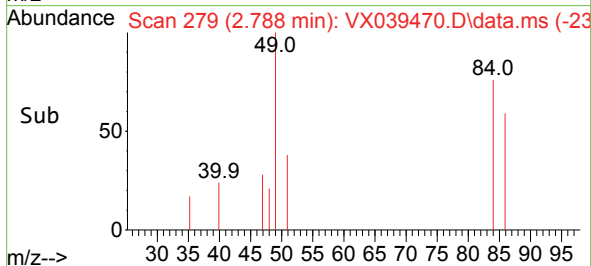
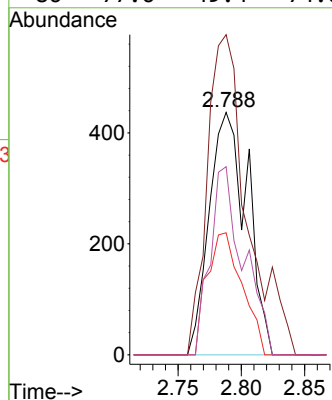
#20
Methylene Chloride
Concen: 0.640 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX039470.D
Acq: 26 Dec 2023 16:12

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 920

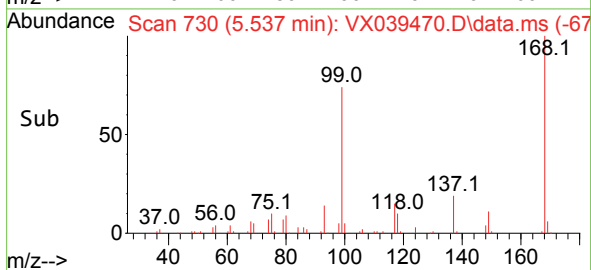
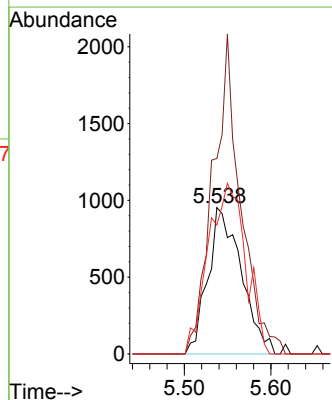
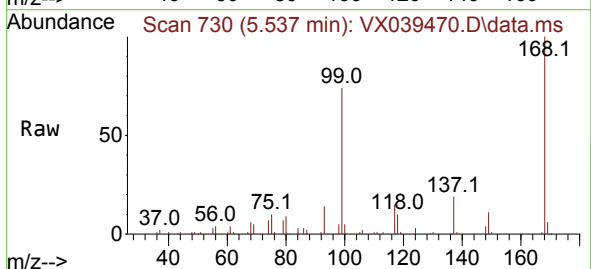
Ion	Ratio	Lower	Upper
84	100		
49	132.0	103.6	155.4
51	50.3	33.8	50.6
86	77.6	49.4	74.0

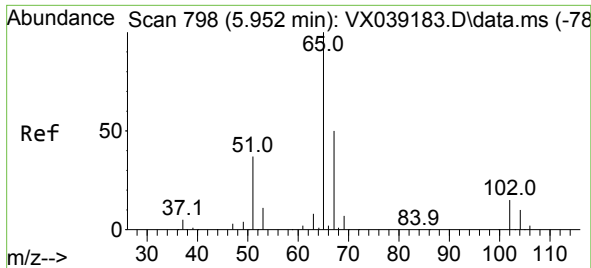


#31
Cyclohexane
Concen: 1.152 ug/l
RT: 5.537 min Scan# 730
Delta R.T. 0.061 min
Lab File: VX039470.D
Acq: 26 Dec 2023 16:12

Tgt Ion: 56 Resp: 2565

Ion	Ratio	Lower	Upper
56	100		
69	133.6	23.4	35.2
84	88.1	65.9	98.9





#33

1,2-Dichloroethane-d4

Concen: 47.792 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX039470.D

Acq: 26 Dec 2023 16:12

Instrument :

MSVOA_X

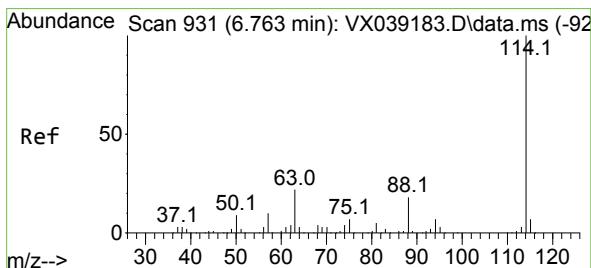
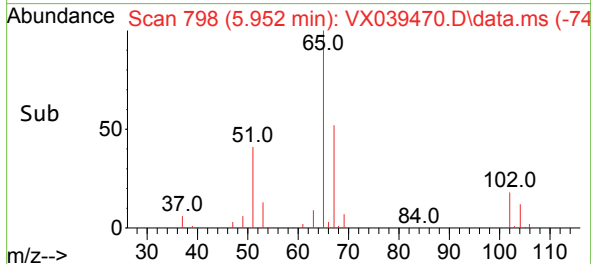
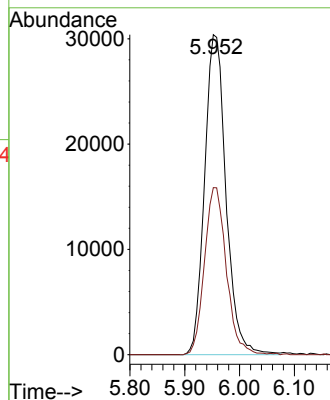
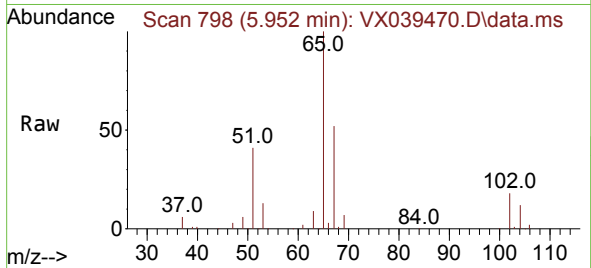
ClientSampleId :

Tgt Ion: 65 Resp: 82390

Ion Ratio Lower Upper

65 100

67 53.2 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX039470.D

Acq: 26 Dec 2023 16:12

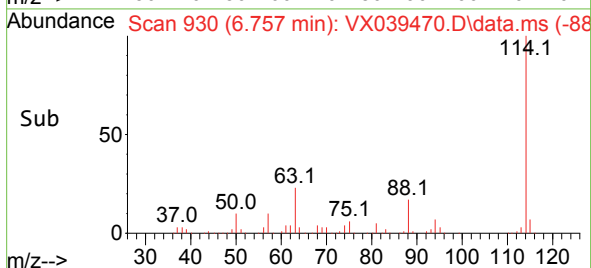
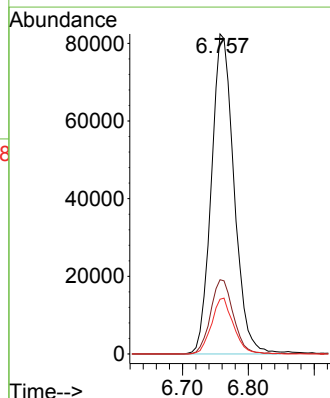
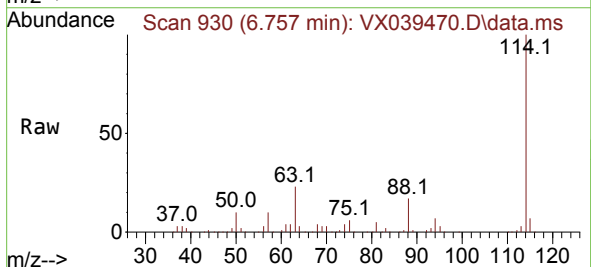
Tgt Ion: 114 Resp: 197538

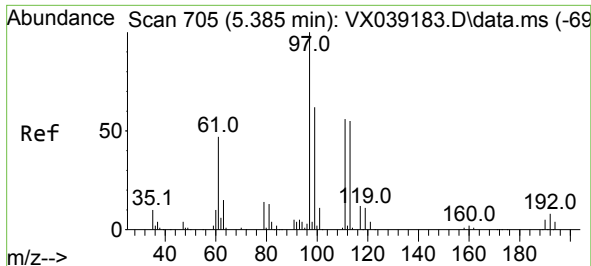
Ion Ratio Lower Upper

114 100

63 23.2 0.0 45.0

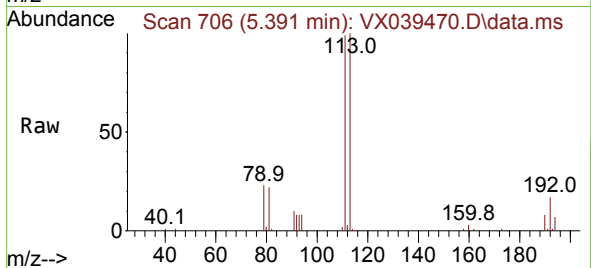
88 17.1 0.0 36.6



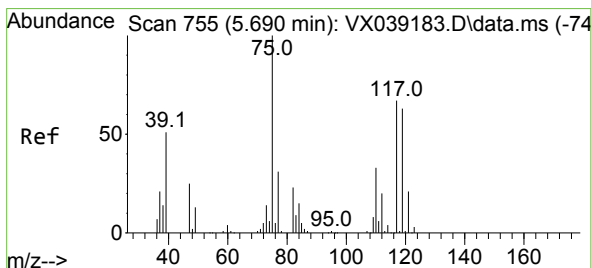
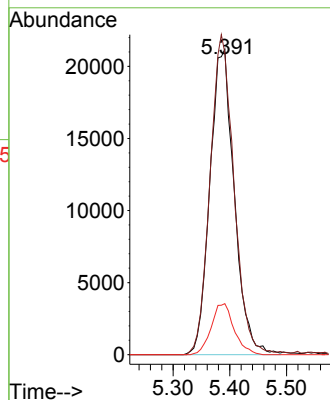
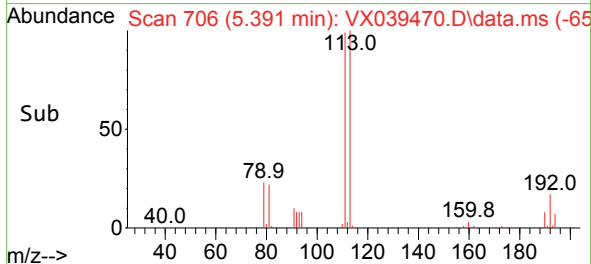


#35
Dibromofluoromethane
Concen: 46.282 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX039470.D
Acq: 26 Dec 2023 16:12

Instrument :
MSVOA_X
ClientSampleId :

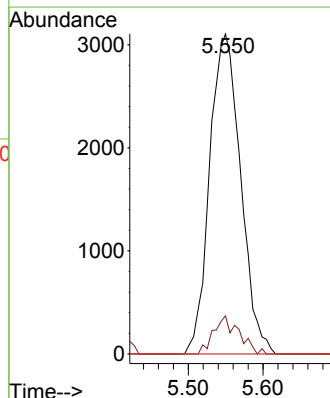
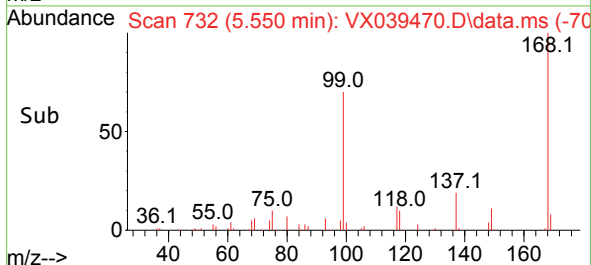
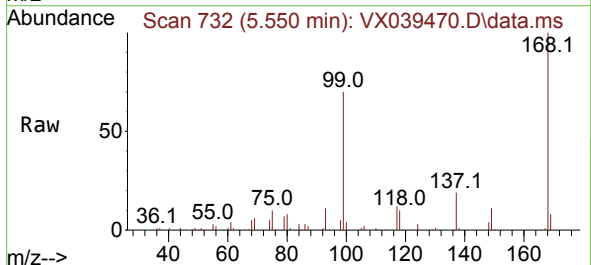


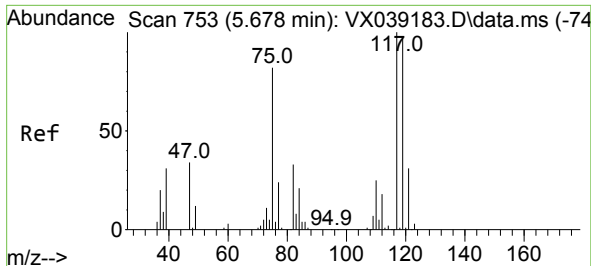
Tgt Ion:113 Resp: 63161
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 15.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.155 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX039470.D
Acq: 26 Dec 2023 16:12

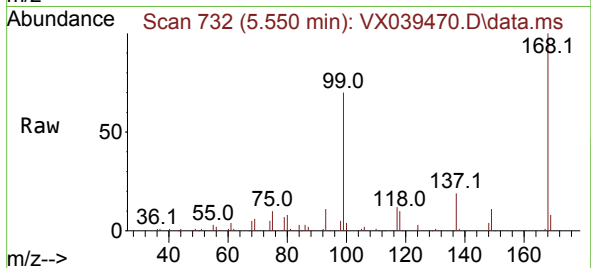
Tgt Ion: 75 Resp: 8948
Ion Ratio Lower Upper
75 100
110 9.7 17.0 50.9#
77 0.0 24.7 37.1#



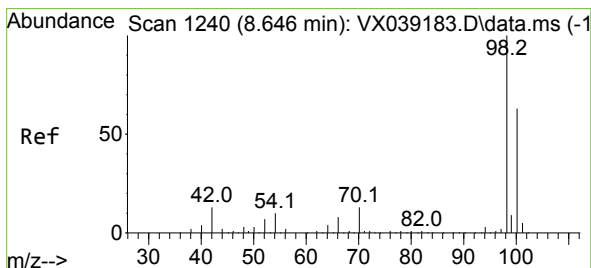
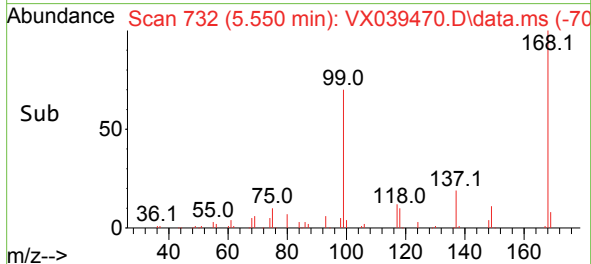
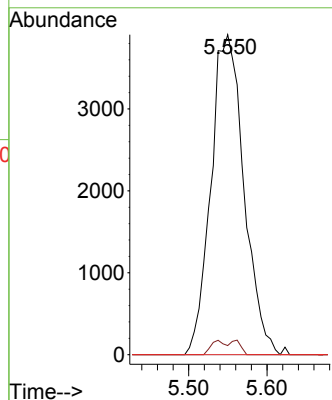


#38
Carbon Tetrachloride
Concen: 5.567 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX039470.D
Acq: 26 Dec 2023 16:12

Instrument :
MSVOA_X
ClientSampleId :

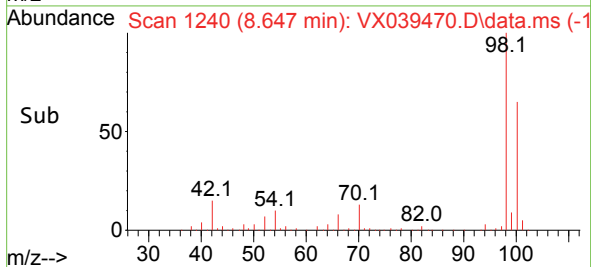
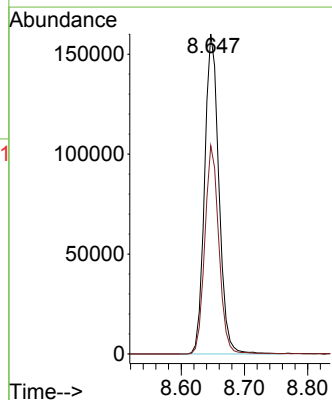
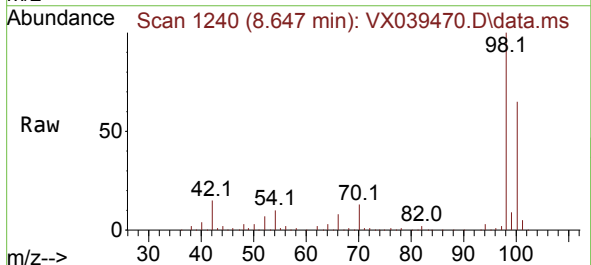


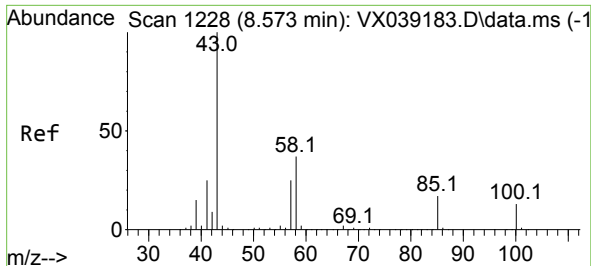
Tgt Ion:117 Resp: 11441
Ion Ratio Lower Upper
117 100
119 2.9 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 49.672 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039470.D
Acq: 26 Dec 2023 16:12

Tgt Ion: 98 Resp: 251661
Ion Ratio Lower Upper
98 100
100 64.1 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.541 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.067 min

Lab File: VX039470.D

Acq: 26 Dec 2023 16:12

Instrument :

MSVOA_X

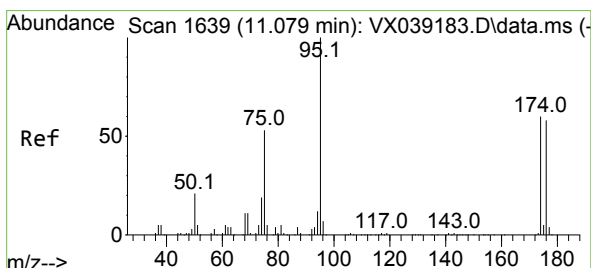
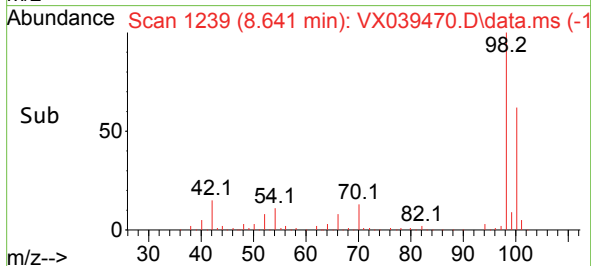
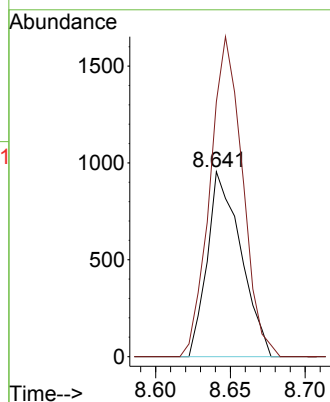
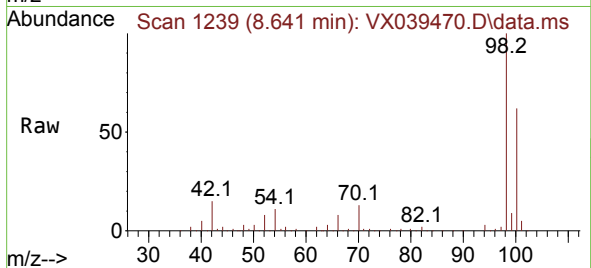
ClientSampleId :

Tgt Ion: 43 Resp: 1491

Ion Ratio Lower Upper

43 100

58 167.7 30.4 45.6#



#62

4-Bromofluorobenzene

Concen: 49.464 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX039470.D

Acq: 26 Dec 2023 16:12

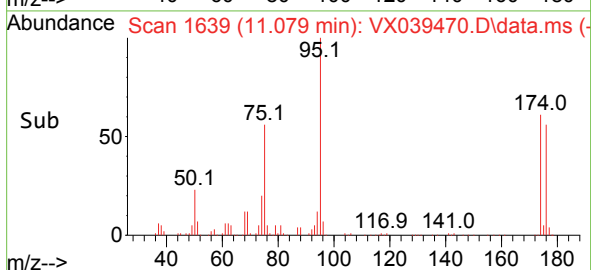
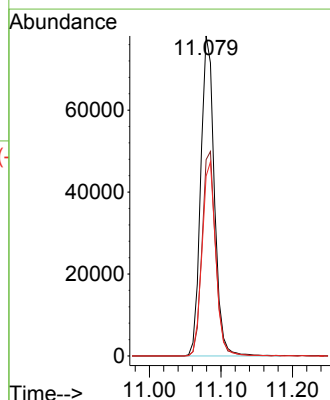
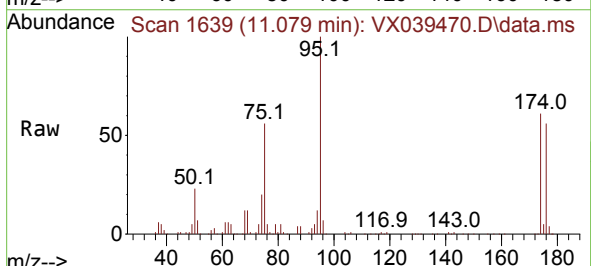
Tgt Ion: 95 Resp: 103399

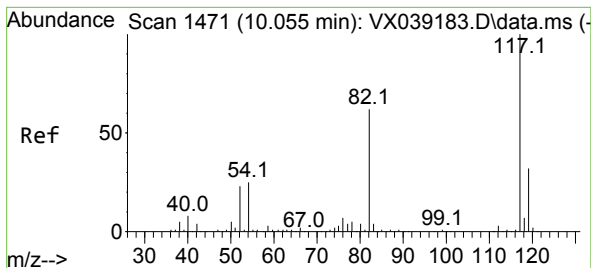
Ion Ratio Lower Upper

95 100

174 63.7 0.0 135.6

176 61.1 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

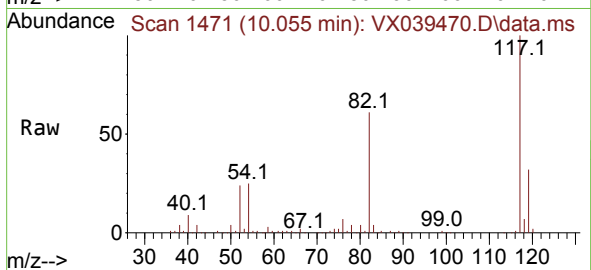
Lab File: VX039470.D

Acq: 26 Dec 2023 16:12

Instrument :

MSVOA_X

ClientSampleId :



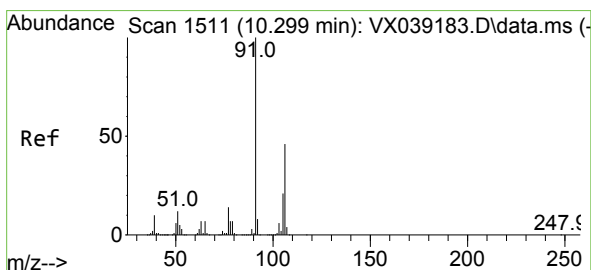
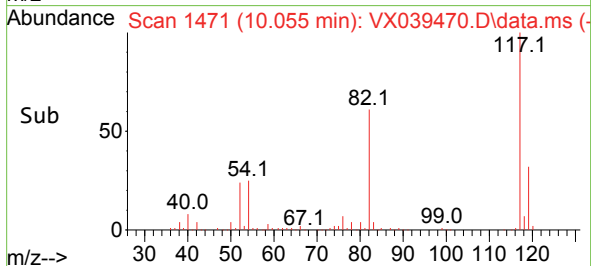
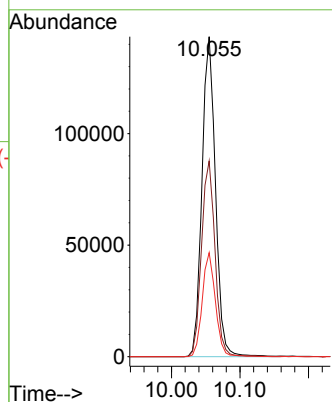
Tgt Ion:117 Resp: 196811

Ion Ratio Lower Upper

117 100

82 61.1 46.2 69.4

119 32.5 25.5 38.3



#68

m/p-Xylenes

Concen: 0.599 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX039470.D

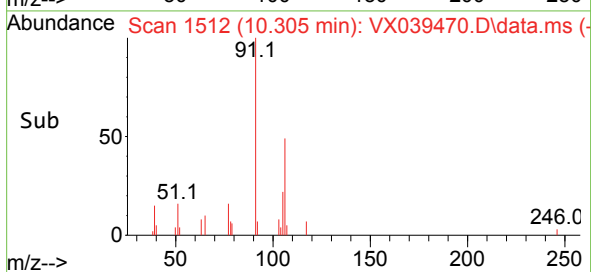
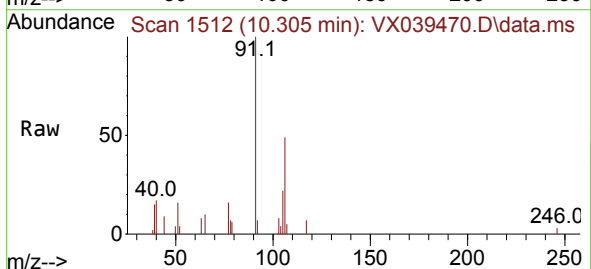
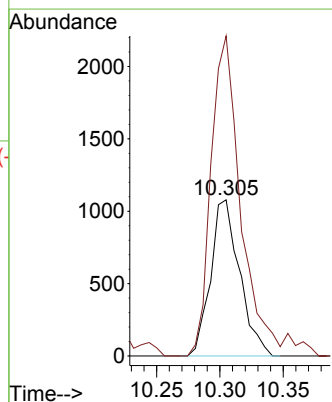
Acq: 26 Dec 2023 16:12

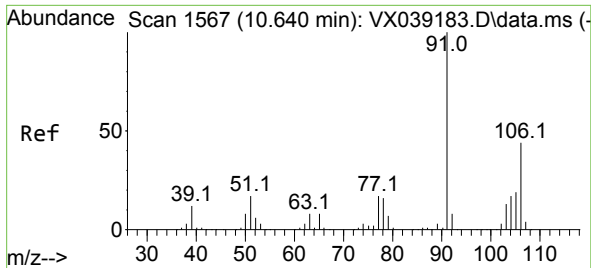
Tgt Ion:106 Resp: 1716

Ion Ratio Lower Upper

106 100

91 208.5 165.5 248.3

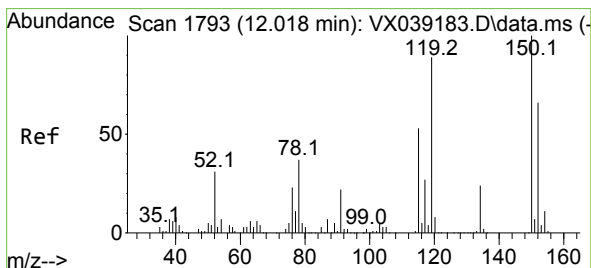
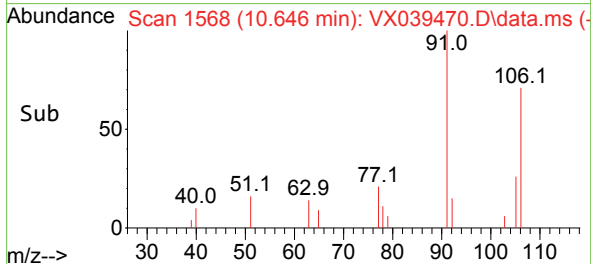
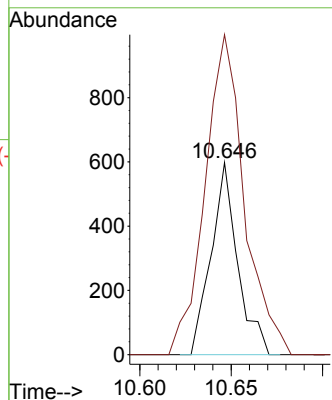
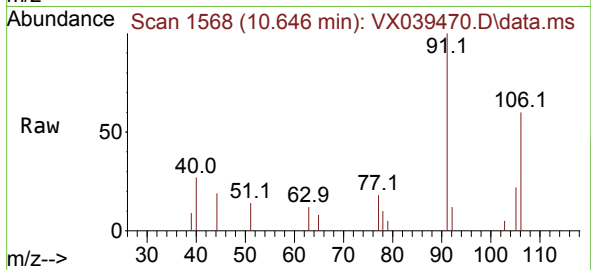




#69
o-Xylene
Concen: 0.218 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX039470.D
Acq: 26 Dec 2023 16:12

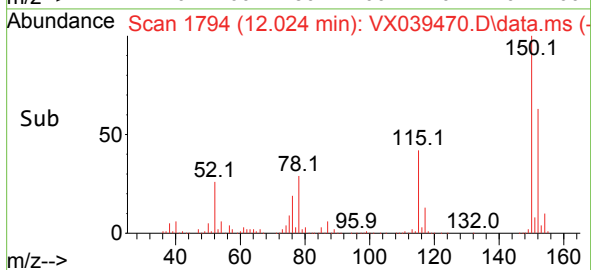
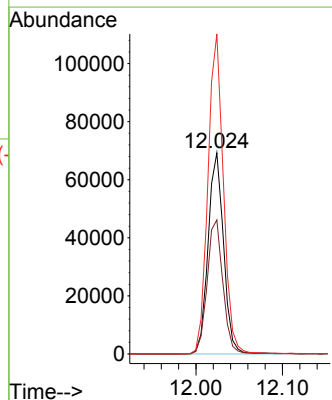
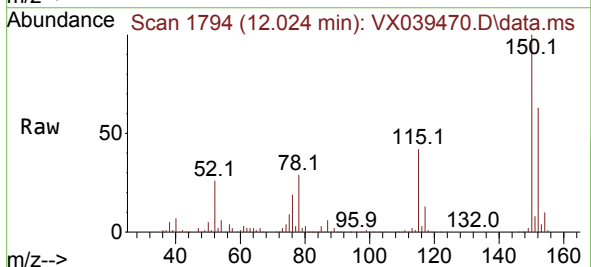
Instrument :
MSVOA_X
ClientSampleId :

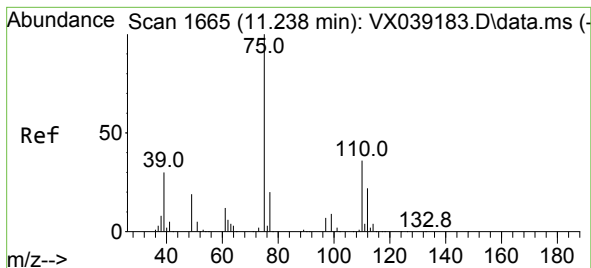
Tgt Ion:106 Resp: 604
Ion Ratio Lower Upper
106 100
91 246.5 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX039470.D
Acq: 26 Dec 2023 16:12

Tgt Ion:152 Resp: 86095
Ion Ratio Lower Upper
152 100
115 67.7 43.3 129.9
150 158.4 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.703 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX039470.D

Acq: 26 Dec 2023 16:12

Instrument :

MSVOA_X

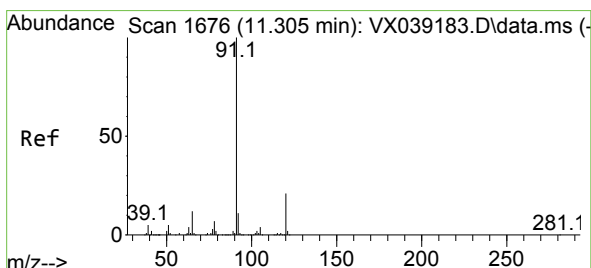
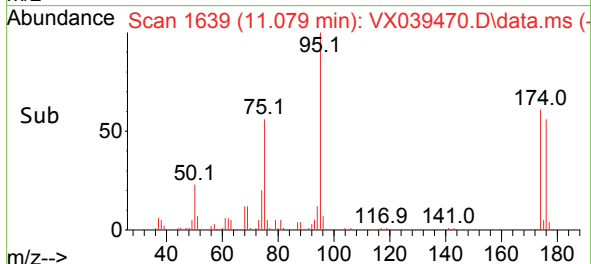
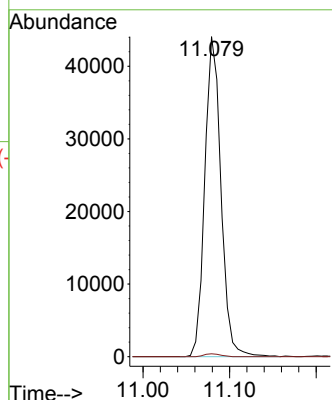
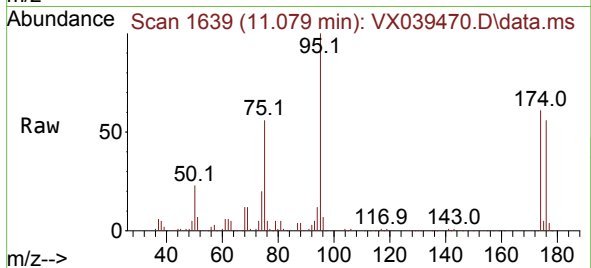
ClientSampleId :

Tgt Ion: 75 Resp: 57252

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#



#78

n-propylbenzene

Concen: 0.228 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX039470.D

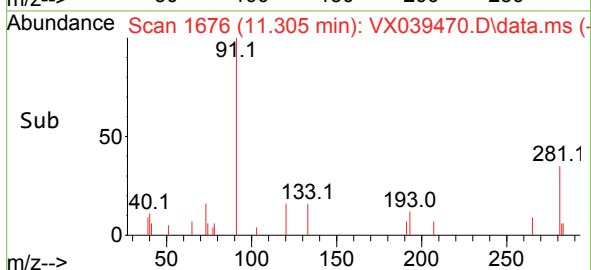
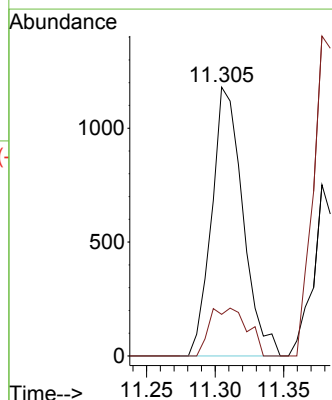
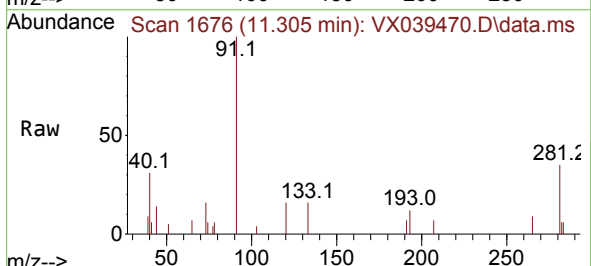
Acq: 26 Dec 2023 16:12

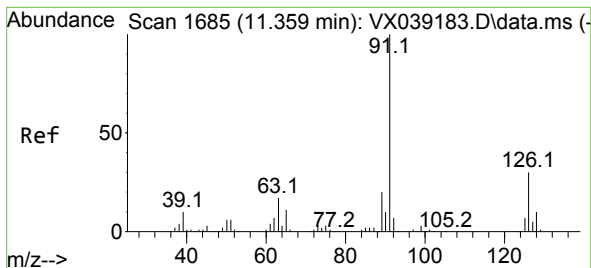
Tgt Ion: 91 Resp: 1868

Ion Ratio Lower Upper

91 100

120 21.6 11.5 34.4





#79

2-Chlorotoluene

Concen: 0.285 ug/l

RT: 11.378 min Scan# 1

Delta R.T. 0.018 min

Lab File: VX039470.D

Acq: 26 Dec 2023 16:12

Instrument :

MSVOA_X

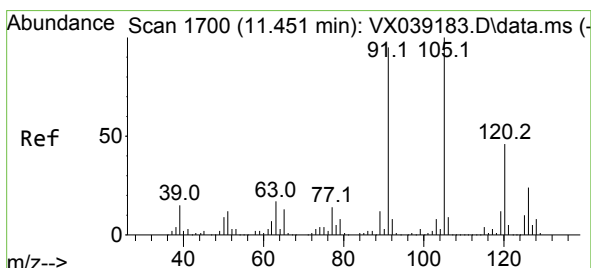
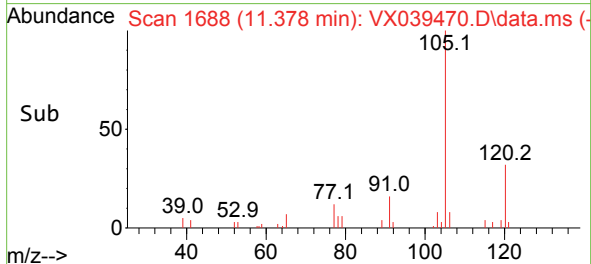
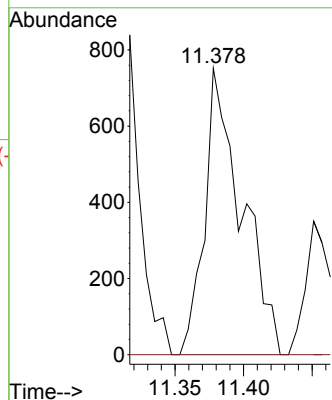
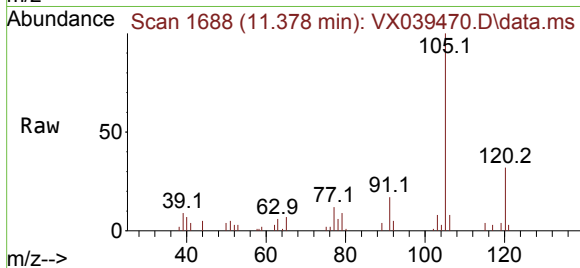
ClientSampleId :

Tgt Ion: 91 Resp: 1409

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.8#



#80

1,3,5-Trimethylbenzene

Concen: 0.522 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX039470.D

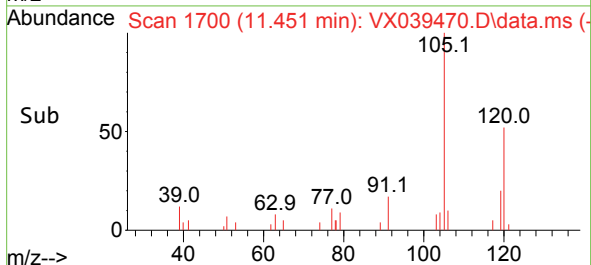
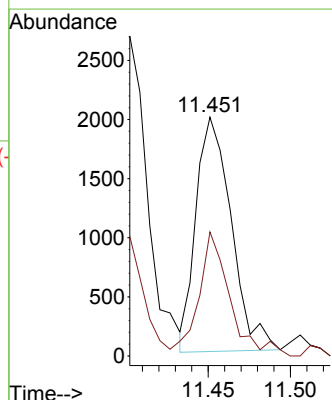
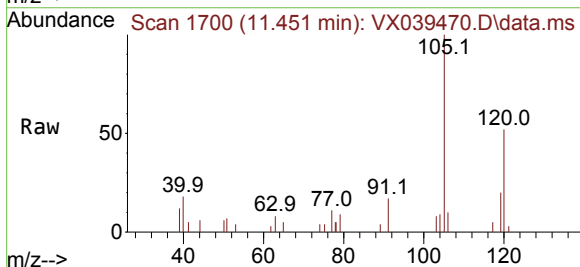
Acq: 26 Dec 2023 16:12

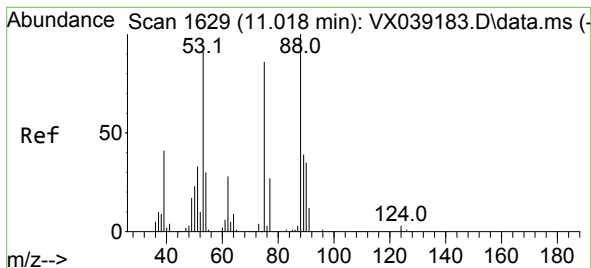
Tgt Ion:105 Resp: 2955

Ion Ratio Lower Upper

105 100

120 46.7 24.1 72.3

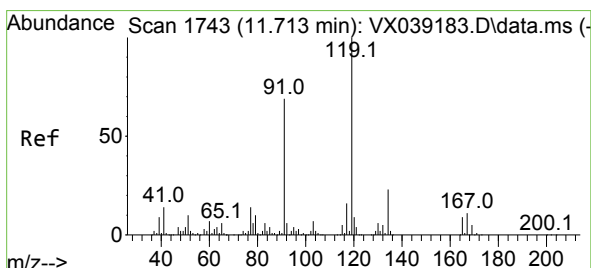
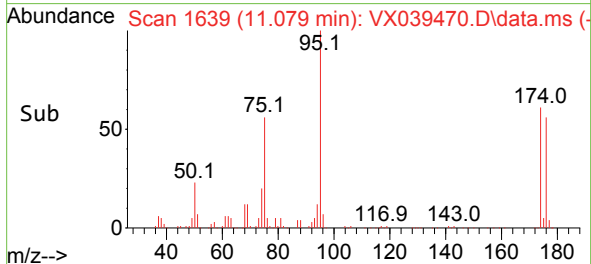
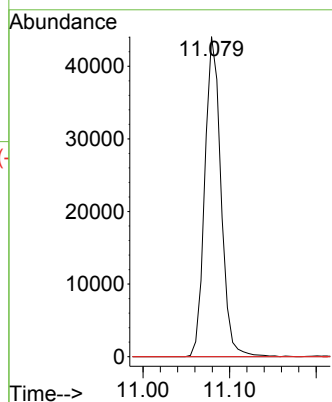
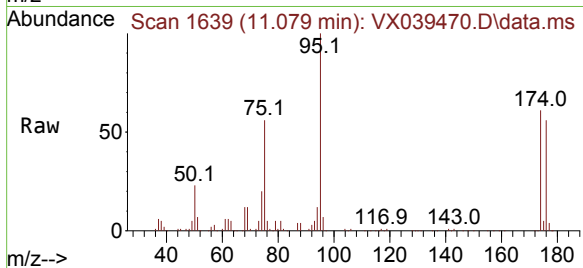




#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.509 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX039470.D
 Acq: 26 Dec 2023 16:12

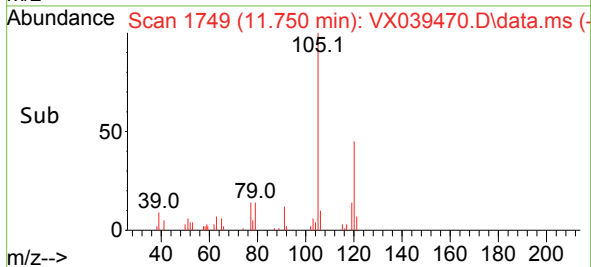
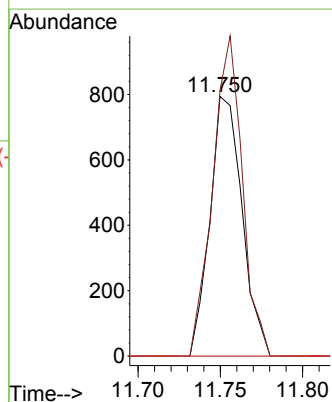
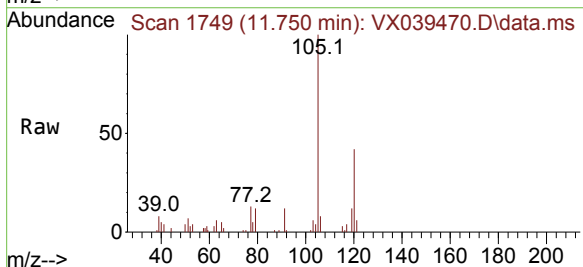
Instrument :
 MSVOA_X
 ClientSampleId :

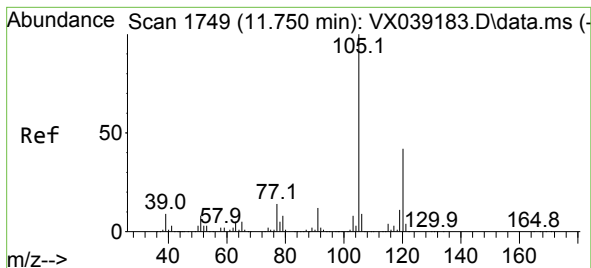
Tgt Ion: 75 Resp: 57252
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#



#83
 tert-Butylbenzene
 Concen: 0.200 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.037 min
 Lab File: VX039470.D
 Acq: 26 Dec 2023 16:12

Tgt Ion: 119 Resp: 1078
 Ion Ratio Lower Upper
 119 100
 91 113.6 31.2 93.6#
 134 0.0 11.7 35.0#





#84

1,2,4-Trimethylbenzene

Concen: 1.672 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX039470.D

Acq: 26 Dec 2023 16:12

Instrument :

MSVOA_X

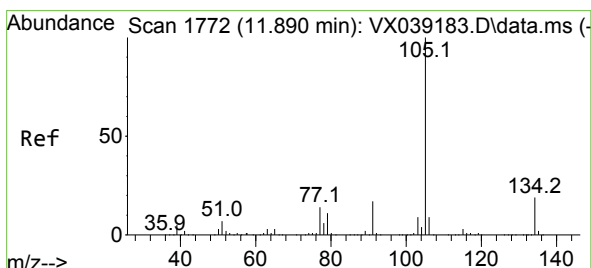
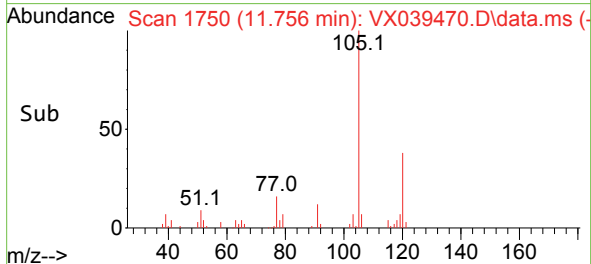
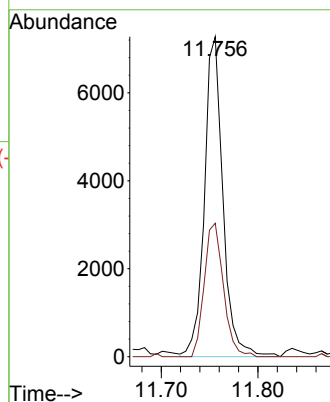
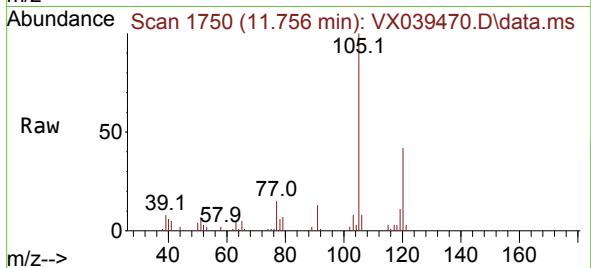
ClientSampleId :

Tgt Ion:105 Resp: 9703

Ion Ratio Lower Upper

105 100

120 43.3 21.2 63.6



#85

sec-Butylbenzene

Concen: 1.416 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. -0.134 min

Lab File: VX039470.D

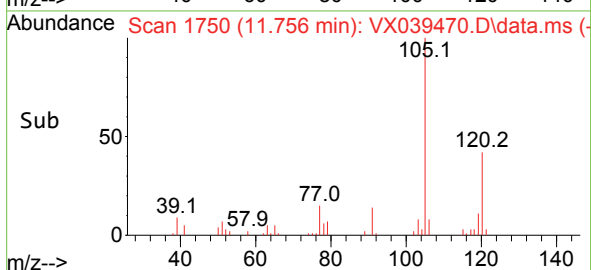
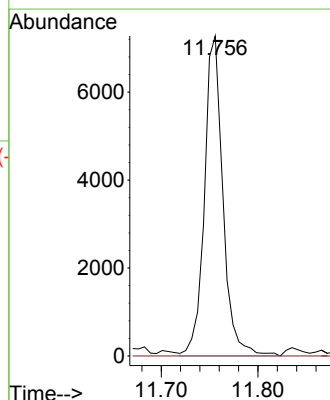
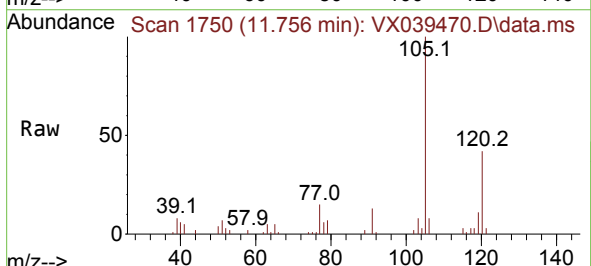
Acq: 26 Dec 2023 16:12

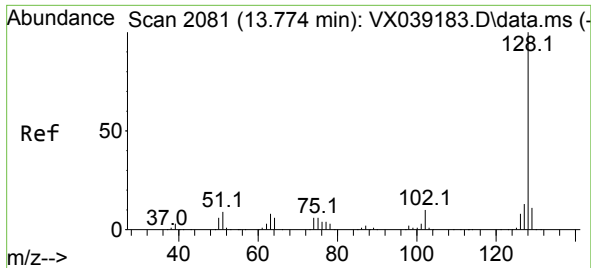
Tgt Ion:105 Resp: 9703

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.4#





#95

Naphthalene

Concen: 0.287 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

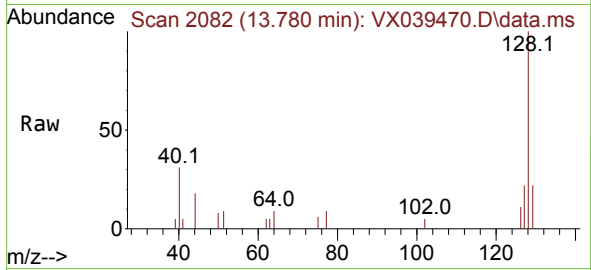
Lab File: VX039470.D

Acq: 26 Dec 2023 16:12

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 1806

Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

129 10.6 8.8 13.2

