

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121423\
 Data File : VX039209.D
 Acq On : 14 Dec 2023 15:34
 Operator : JC/MD
 Sample : 05829-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 15 03:01:50 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

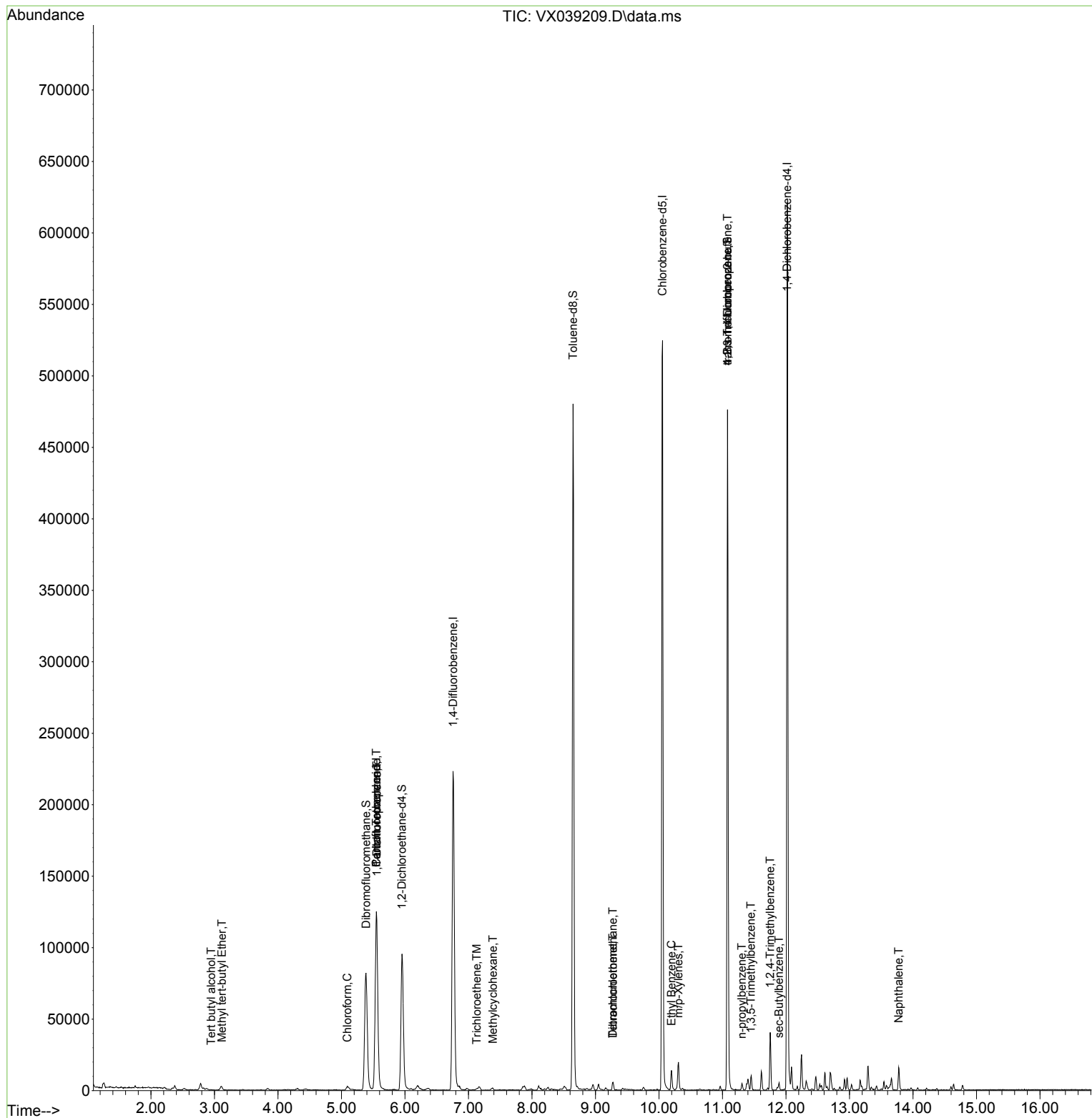
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	106134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	216000	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	227870	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	116032	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	93676	48.180	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.360%
35) Dibromofluoromethane	5.385	113	71741	48.076	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.160%
50) Toluene-d8	8.647	98	275259	49.686	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.380%
62) 4-Bromofluorobenzene	11.079	95	128334	56.145	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	112.280%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	233	0.477	ug/l #	78
16) Acetone	2.374	43	3402	Below Cal	#	79
19) Methyl tert-butyl Ether	3.117	73	1228	0.249	ug/l #	16
30) Chloroform	5.093	83	3069	1.079	ug/l	96
36) 1,1-Dichloropropene	5.556	75	10255	4.355	ug/l #	50
38) Carbon Tetrachloride	5.550	117	12251	5.452	ug/l #	14
39) Methylcyclohexane	7.385	83	623	0.220	ug/l #	78
44) Trichloroethene	7.129	130	410	0.244	ug/l	82
60) Dibromochloromethane	9.275	129	1106	0.652	ug/l #	11
64) Tetrachloroethene	9.275	164	919	0.617	ug/l #	77
67) Ethyl Benzene	10.195	91	8532	0.922	ug/l	91
68) m/p-Xylenes	10.305	106	4636	1.397	ug/l	88
76) 1,2,3-Trichloropropane	11.079	75	70391	23.448	ug/l #	39
78) n-propylbenzene	11.305	91	3035	0.275	ug/l	93
80) 1,3,5-Trimethylbenzene	11.445	105	4667	0.612	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	70391	66.148	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.750	105	17220	2.202	ug/l	96
85) sec-Butylbenzene	11.890	105	2737	0.296	ug/l #	75
95) Naphthalene	13.774	128	10138	1.195	ug/l	97

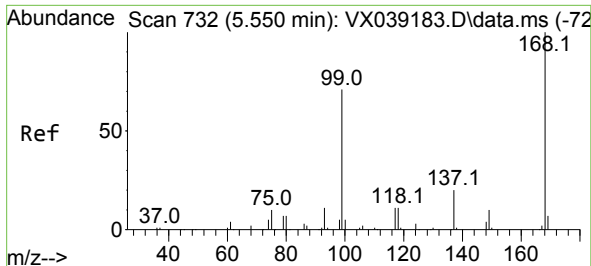
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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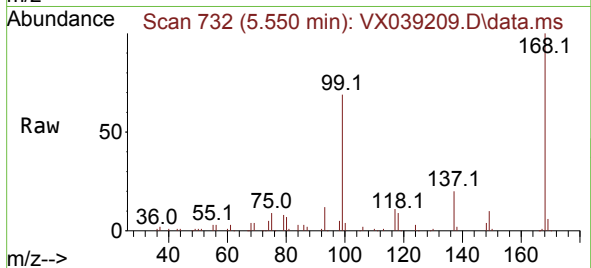
Quant Time: Dec 15 03:01:50 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 01:28:15 2023
Response via : Initial Calibration



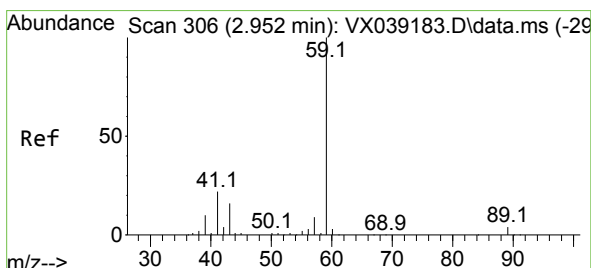
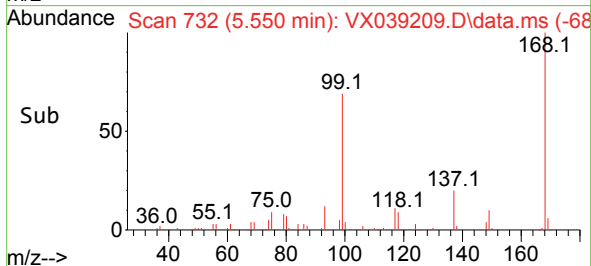
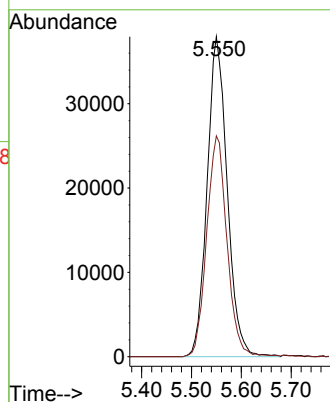


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039209.D
Acq: 14 Dec 2023 15:34

Instrument :
MSVOA_X
ClientSampleId :

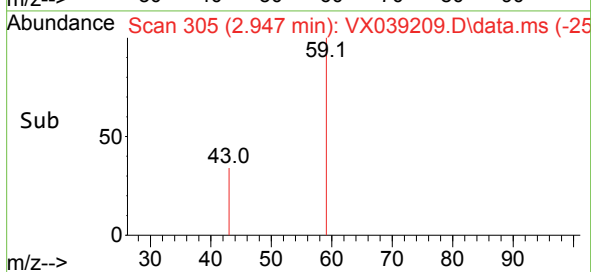
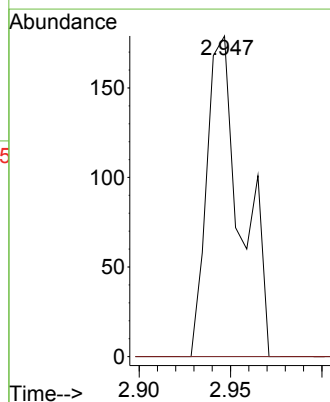
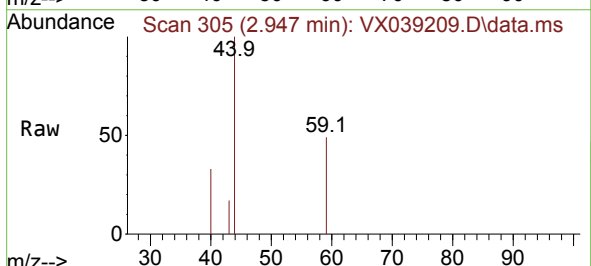


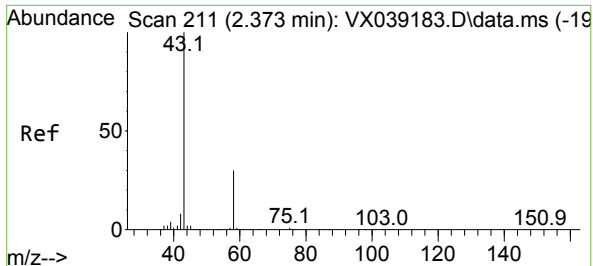
Tgt Ion:168 Resp: 106134
Ion Ratio Lower Upper
168 100
99 69.0 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.477 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX039209.D
Acq: 14 Dec 2023 15:34

Tgt Ion: 59 Resp: 233
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

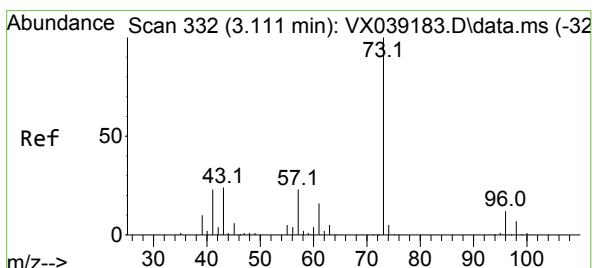
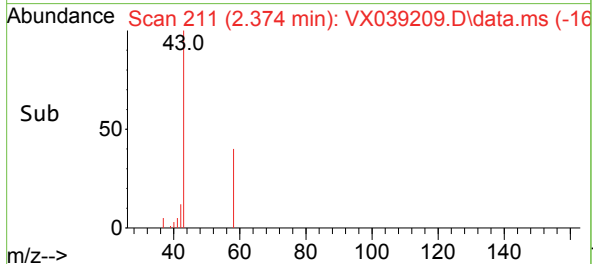
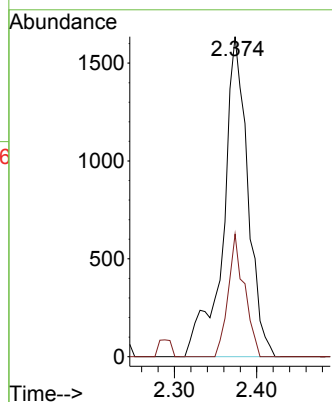
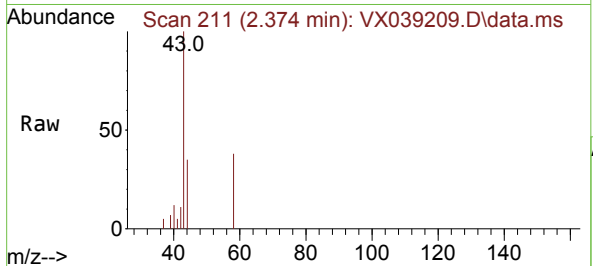




#16
Acetone
Concen: Below Cal
RT: 2.374 min Scan# 211
Delta R.T. 0.001 min
Lab File: VX039209.D
Acq: 14 Dec 2023 15:34

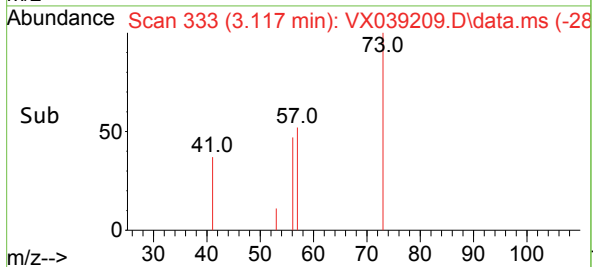
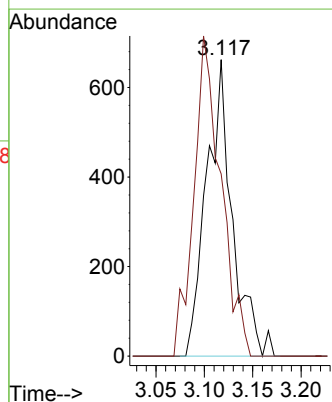
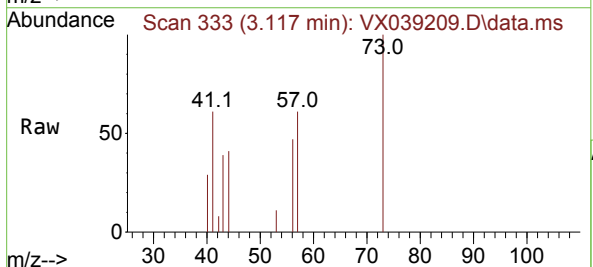
Instrument :
MSVOA_X
ClientSampleId :

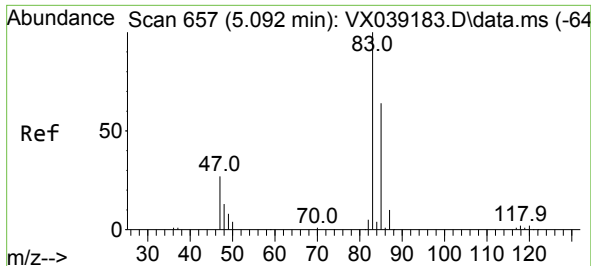
Tgt Ion: 43 Resp: 3402
Ion Ratio Lower Upper
43 100
58 38.3 21.9 32.9#



#19
Methyl tert-butyl Ether
Concen: 0.249 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX039209.D
Acq: 14 Dec 2023 15:34

Tgt Ion: 73 Resp: 1228
Ion Ratio Lower Upper
73 100
57 61.5 17.3 25.9#





#30

Chloroform

Concen: 1.079 ug/l

RT: 5.093 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX039209.D

Acq: 14 Dec 2023 15:34

Instrument :

MSVOA_X

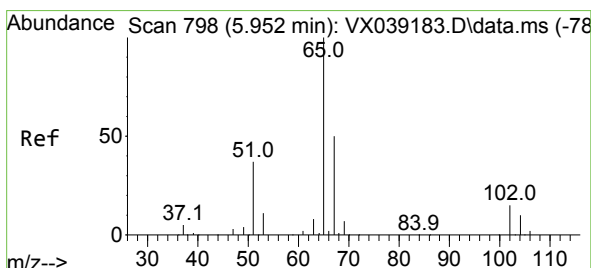
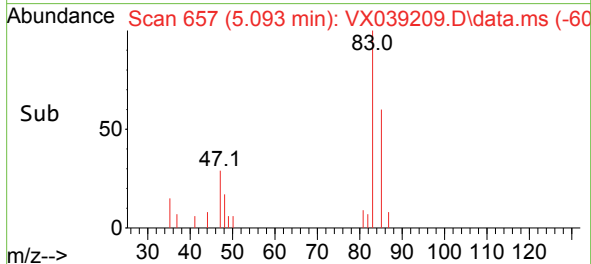
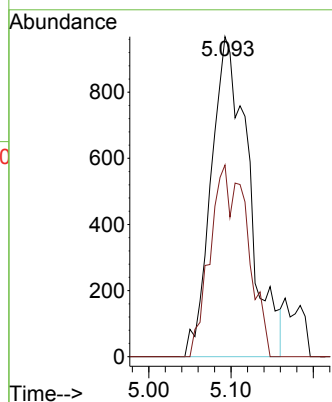
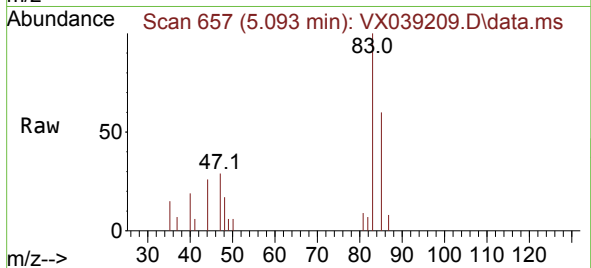
ClientSampleId :

Tgt Ion: 83 Resp: 3069

Ion Ratio Lower Upper

83 100

85 59.9 50.3 75.5



#33

1,2-Dichloroethane-d4

Concen: 48.180 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX039209.D

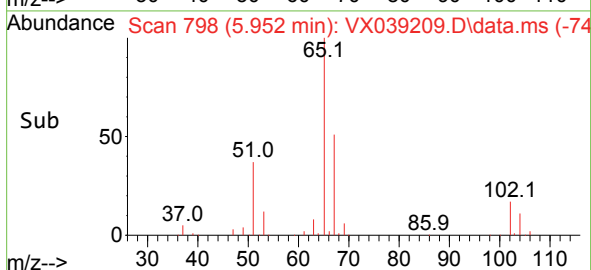
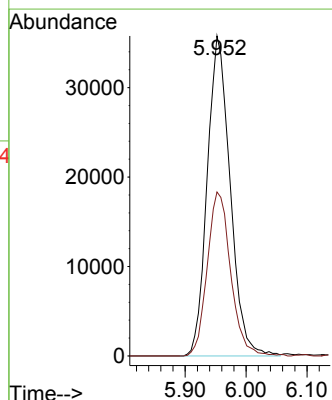
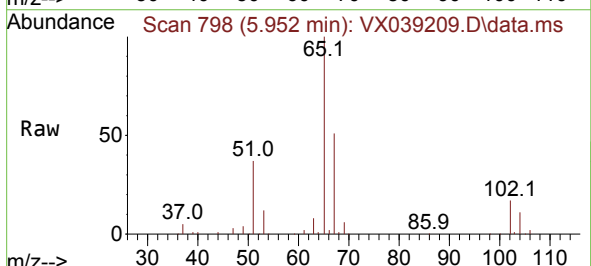
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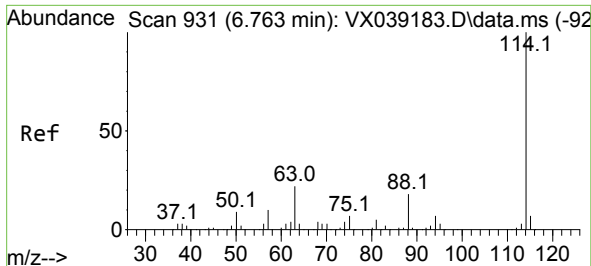
Tgt Ion: 65 Resp: 93676

Ion Ratio Lower Upper

65 100

67 52.3 0.0 100.2

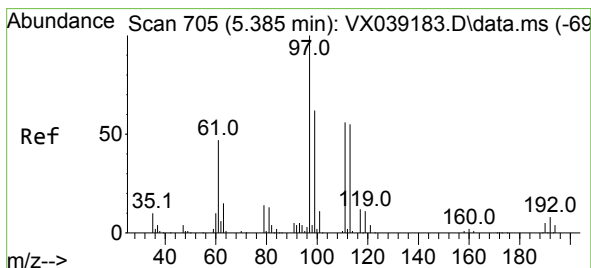
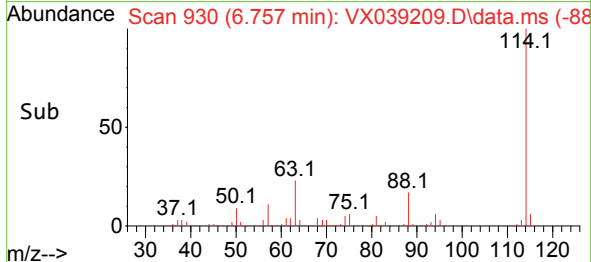
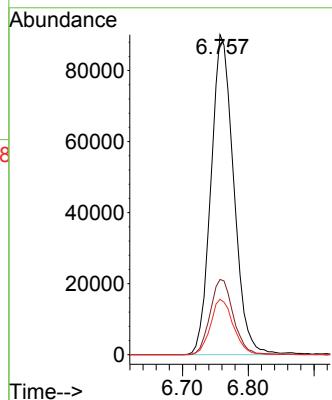
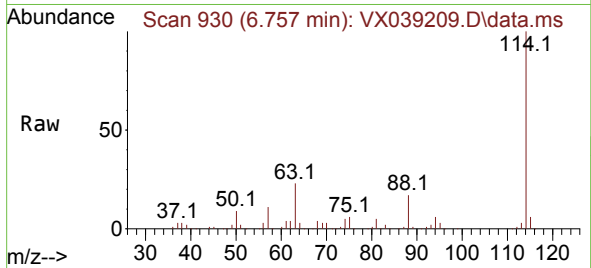




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX039209.D
Acq: 14 Dec 2023 15:34

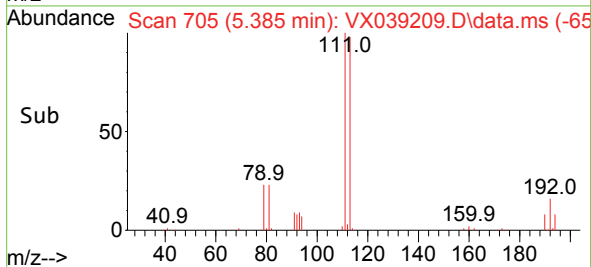
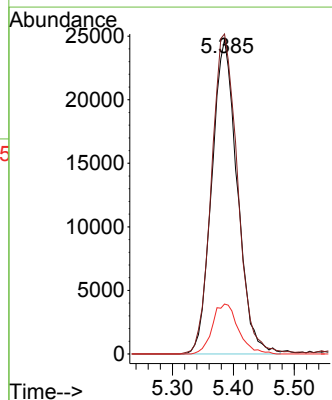
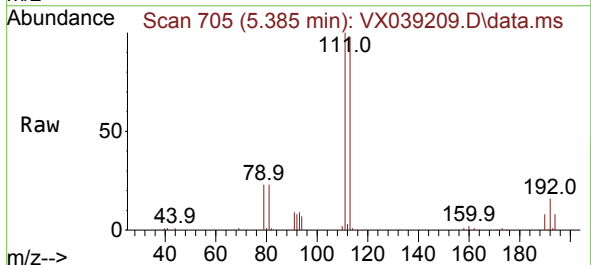
Instrument :
MSVOA_X
ClientSampleId :

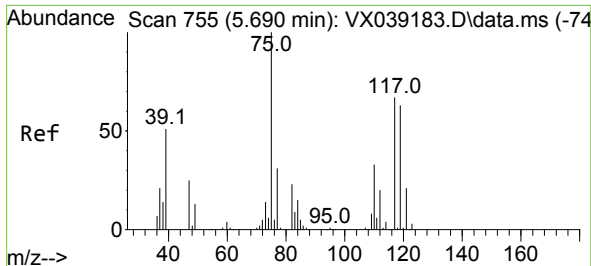
Tgt Ion:114 Resp: 216000
Ion Ratio Lower Upper
114 100
63 23.5 0.0 45.0
88 17.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.076 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039209.D
Acq: 14 Dec 2023 15:34

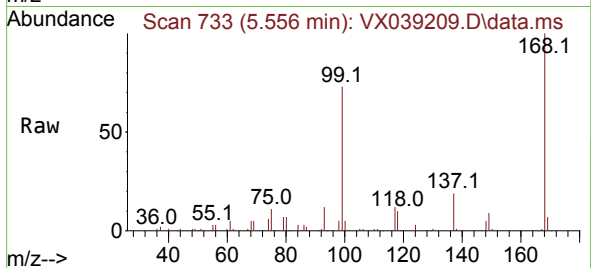
Tgt Ion:113 Resp: 71741
Ion Ratio Lower Upper
113 100
111 104.6 82.9 124.3
192 16.2 13.3 19.9



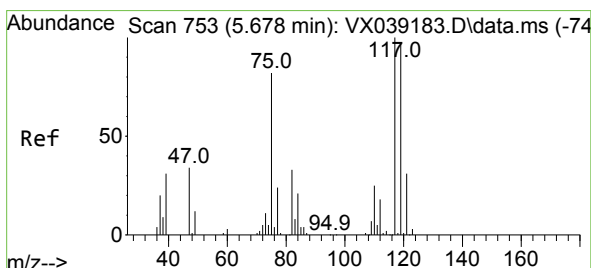
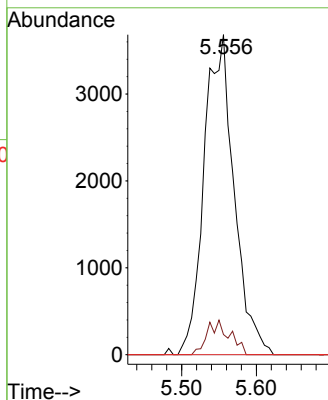
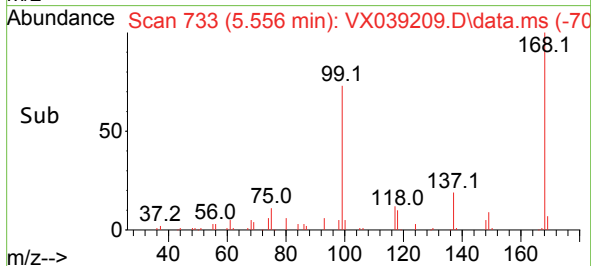


#36
1,1-Dichloropropene
Concen: 4.355 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX039209.D
Acq: 14 Dec 2023 15:34

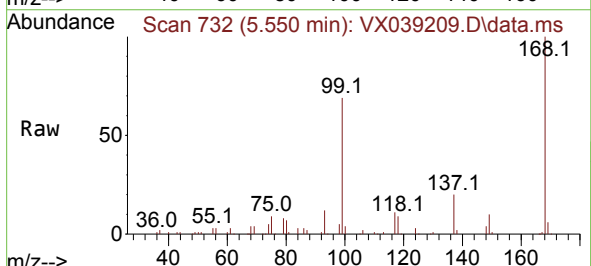
Instrument :
MSVOA_X
ClientSampleId :



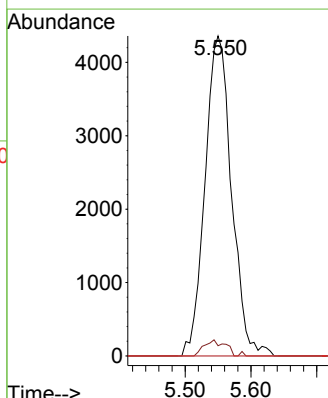
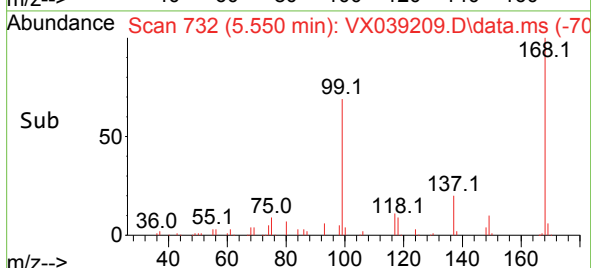
Tgt Ion: 75 Resp: 10255
Ion Ratio Lower Upper
75 100
110 8.1 17.0 50.9#
77 0.0 24.7 37.1#

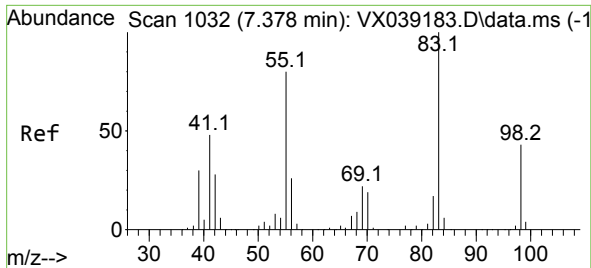


#38
Carbon Tetrachloride
Concen: 5.452 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX039209.D
Acq: 14 Dec 2023 15:34



Tgt Ion: 117 Resp: 12251
Ion Ratio Lower Upper
117 100
119 3.2 78.2 117.2#
121 0.0 24.4 36.6#

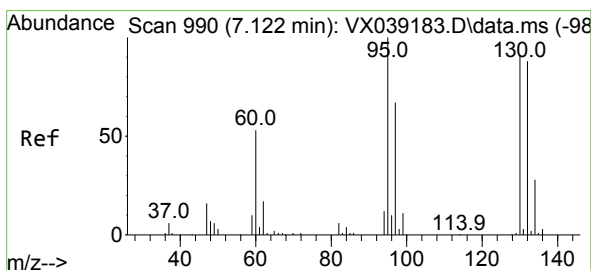
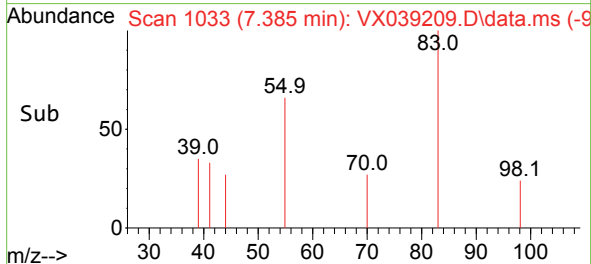
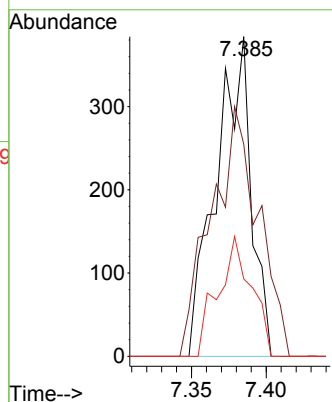
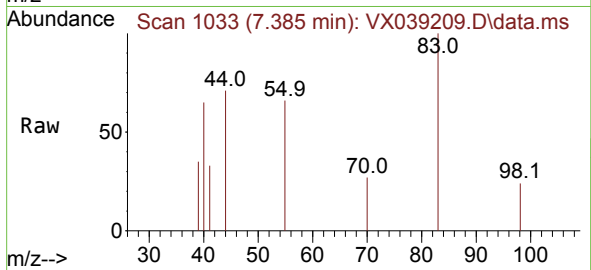




#39
Methylcyclohexane
Concen: 0.220 ug/l
RT: 7.385 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX039209.D
Acq: 14 Dec 2023 15:34

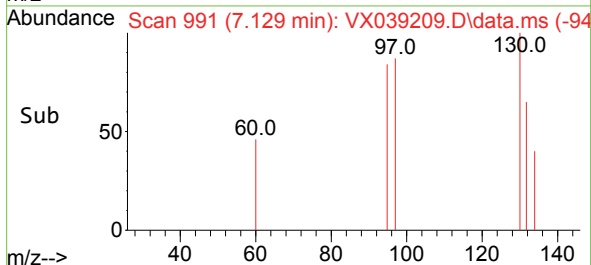
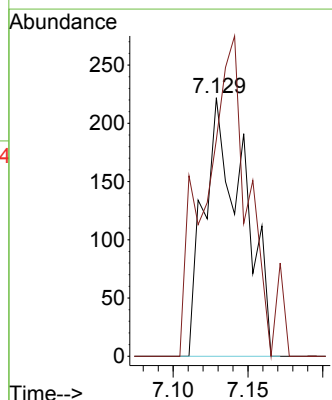
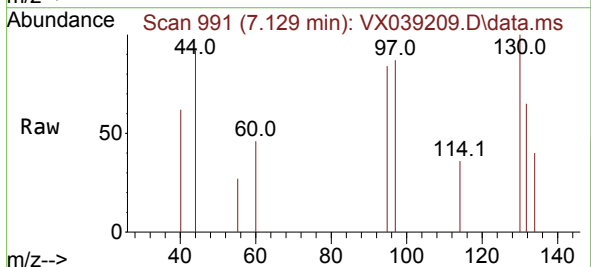
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MSVOA_X
ClientSampleId :

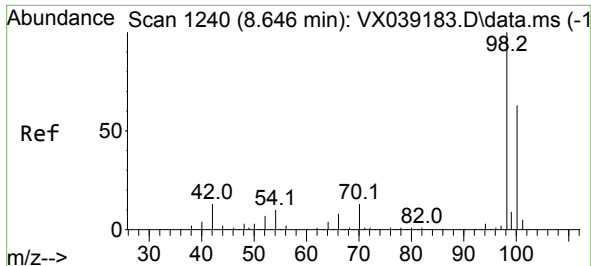
Tgt Ion: 83 Resp: 623
Ion Ratio Lower Upper
83 100
55 66.4 64.6 97.0
98 24.2 36.7 55.1#



#44
Trichloroethene
Concen: 0.244 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX039209.D
Acq: 14 Dec 2023 15:34

Tgt Ion:130 Resp: 410
Ion Ratio Lower Upper
130 100
95 83.8 0.0 204.4

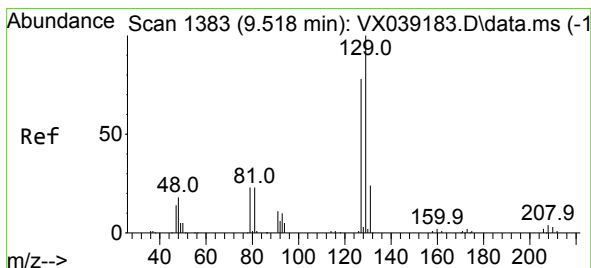
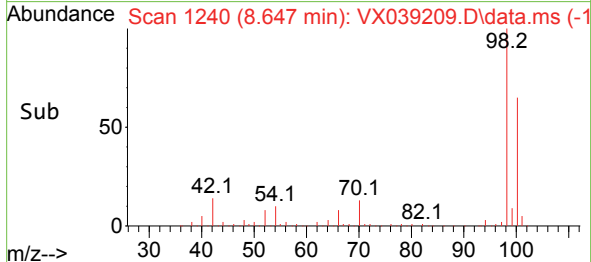
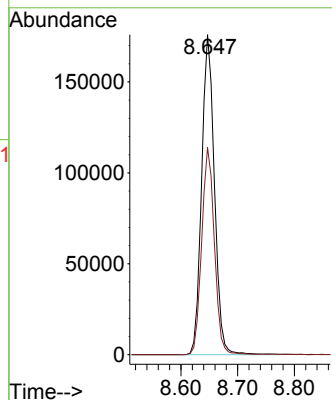
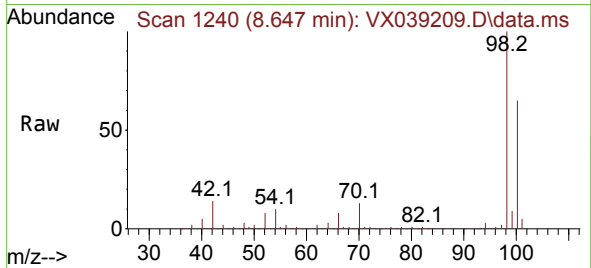




#50
Toluene-d8
Concen: 49.686 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039209.D
Acq: 14 Dec 2023 15:34

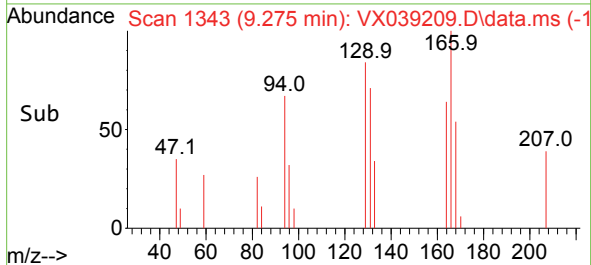
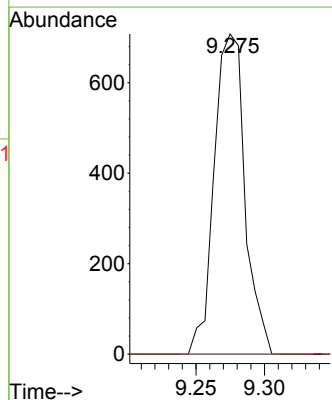
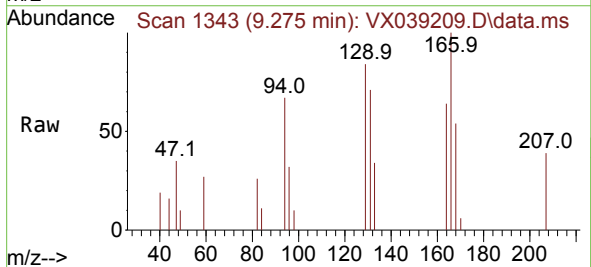
Instrument :
MSVOA_X
ClientSampleId :

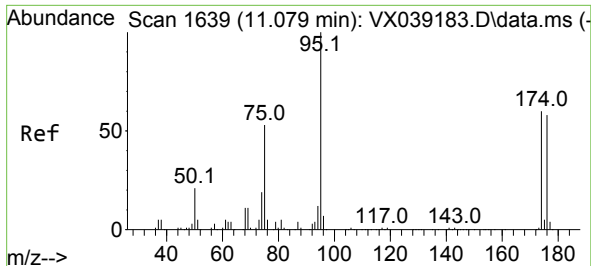
Tgt Ion: 98 Resp: 275259
Ion Ratio Lower Upper
98 100
100 64.4 53.1 79.7



#60
Dibromochloromethane
Concen: 0.652 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.243 min
Lab File: VX039209.D
Acq: 14 Dec 2023 15:34

Tgt Ion:129 Resp: 1106
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#





#62

4-Bromofluorobenzene

Concen: 56.145 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039209.D

Acq: 14 Dec 2023 15:34

Instrument :

MSVOA_X

ClientSampleId :

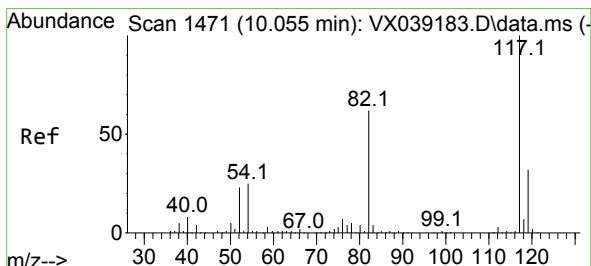
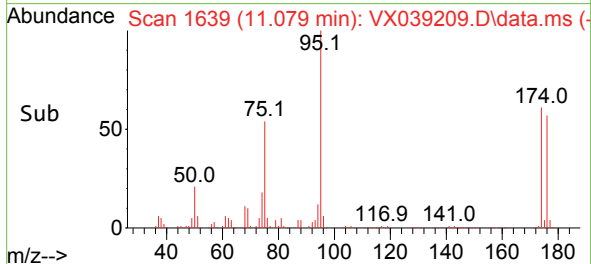
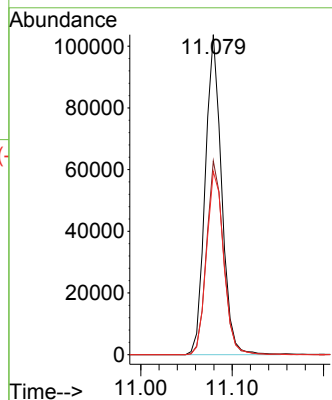
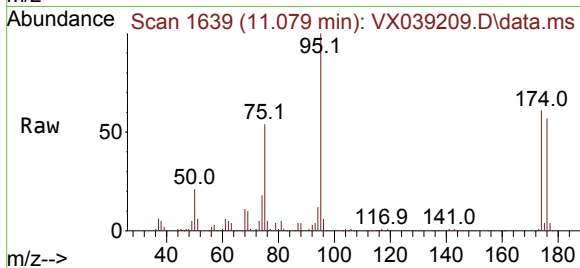
Tgt Ion: 95 Resp: 128334

Ion Ratio Lower Upper

95 100

174 62.4 0.0 135.6

176 60.5 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: VX039209.D

Acq: 14 Dec 2023 15:34

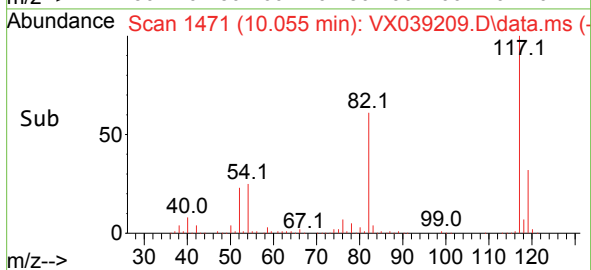
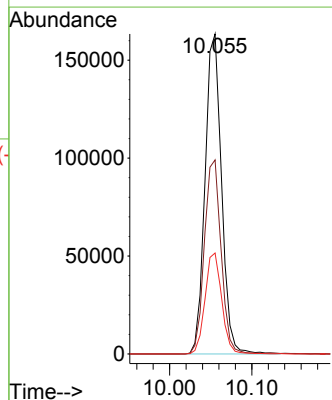
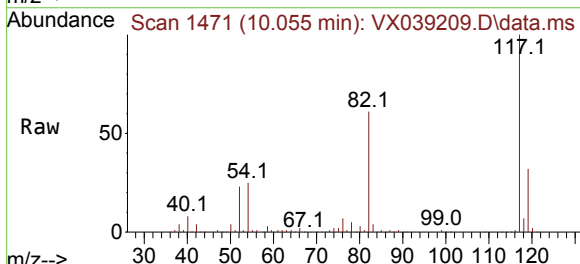
Tgt Ion: 117 Resp: 227870

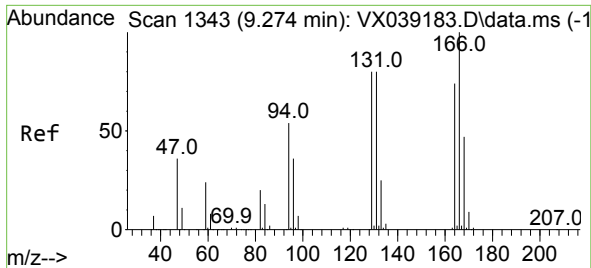
Ion Ratio Lower Upper

117 100

82 60.6 46.2 69.4

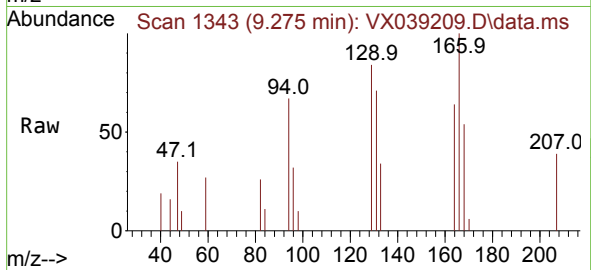
119 31.6 25.5 38.3



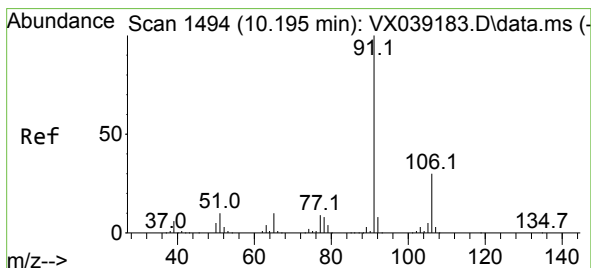
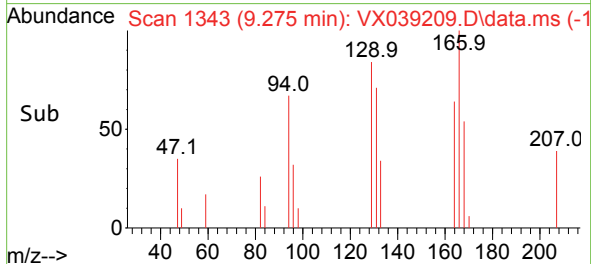
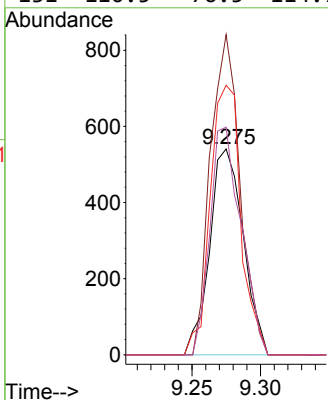


#64
Tetrachloroethene
Concen: 0.617 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039209.D
Acq: 14 Dec 2023 15:34

Instrument :
MSVOA_X
ClientSampleId :

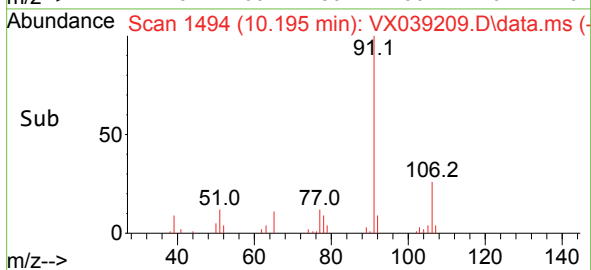
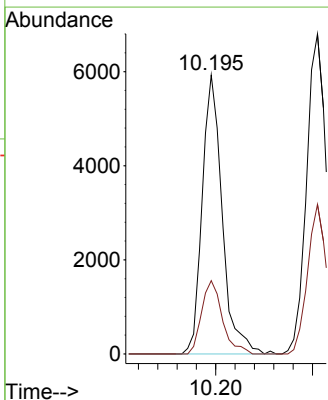
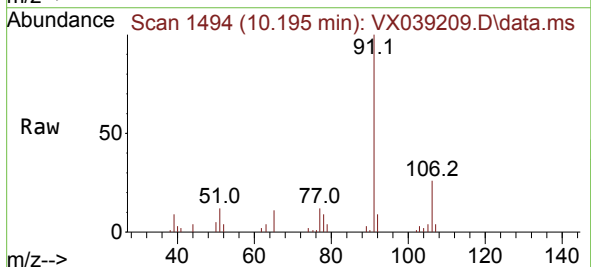


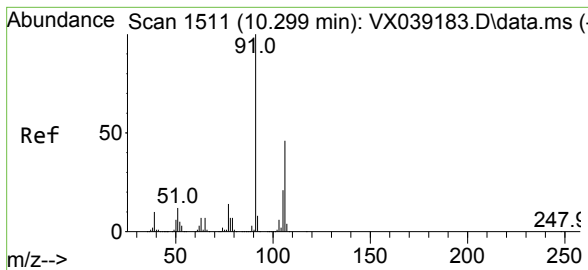
Tgt Ion:164 Resp: 919
Ion Ratio Lower Upper
164 100
166 155.5 102.7 154.1#
129 130.9 80.4 120.6#
131 110.5 76.5 114.7



#67
Ethyl Benzene
Concen: 0.922 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX039209.D
Acq: 14 Dec 2023 15:34

Tgt Ion: 91 Resp: 8532
Ion Ratio Lower Upper
91 100
106 26.3 24.9 37.3

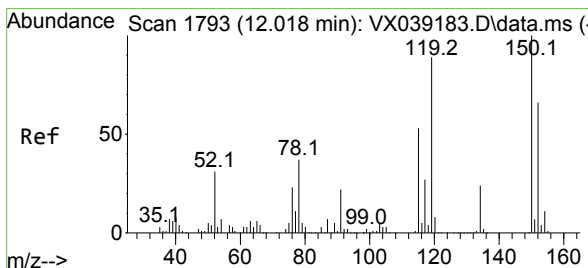
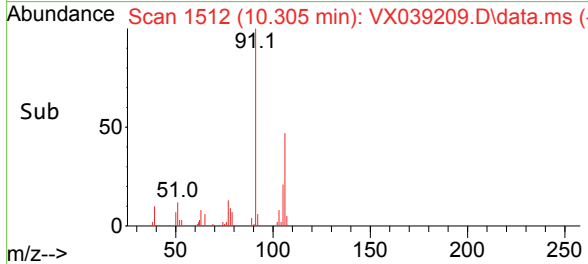
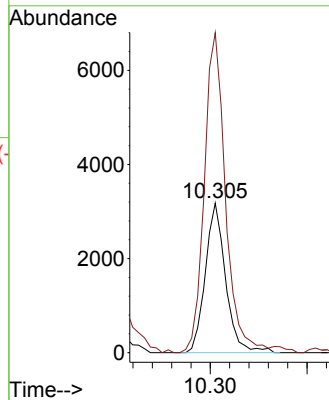
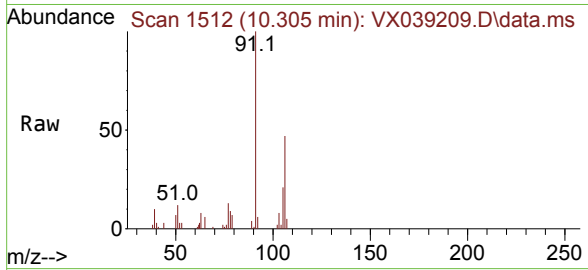




#68
m/p-Xylenes
Concen: 1.397 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX039209.D
Acq: 14 Dec 2023 15:34

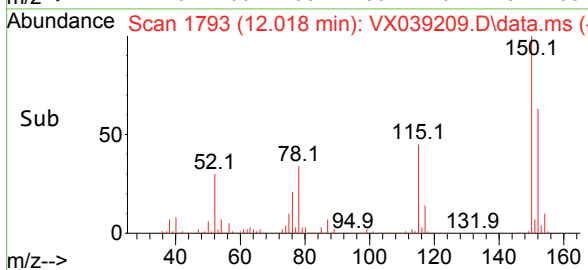
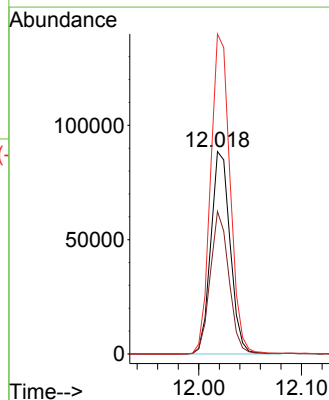
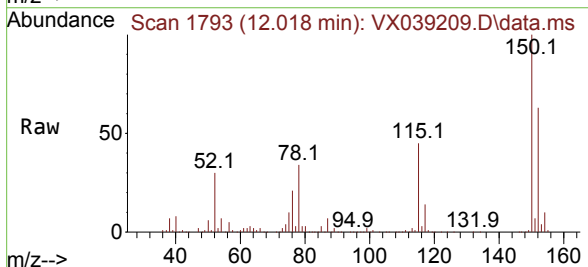
Instrument :
MSVOA_X
ClientSampleId :

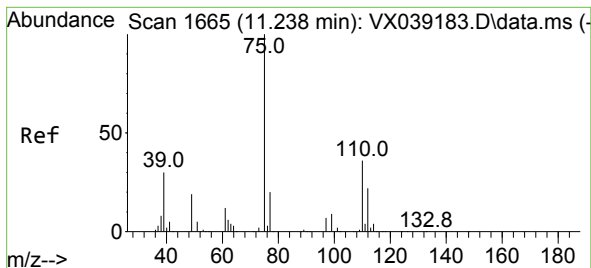
Tgt Ion:106 Resp: 4636
Ion Ratio Lower Upper
106 100
91 226.2 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX039209.D
Acq: 14 Dec 2023 15:34

Tgt Ion:152 Resp: 116032
Ion Ratio Lower Upper
152 100
115 67.7 43.3 129.9
150 159.7 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 23.448 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039209.D

Acq: 14 Dec 2023 15:34

Instrument :

MSVOA_X

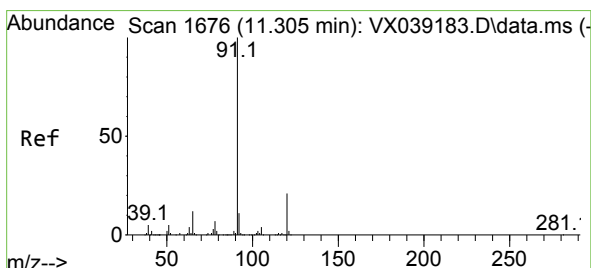
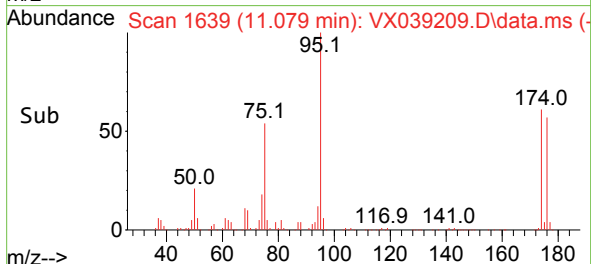
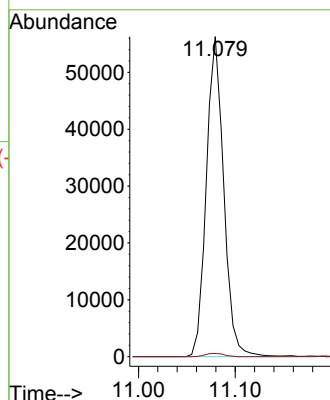
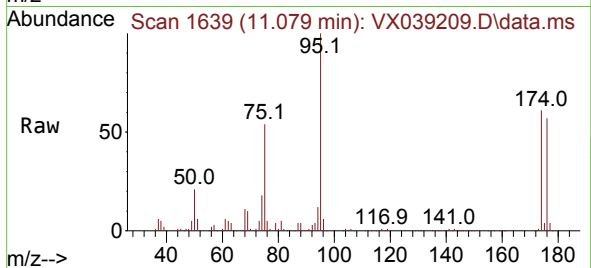
ClientSampleId :

Tgt Ion: 75 Resp: 70391

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#78

n-propylbenzene

Concen: 0.275 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX039209.D

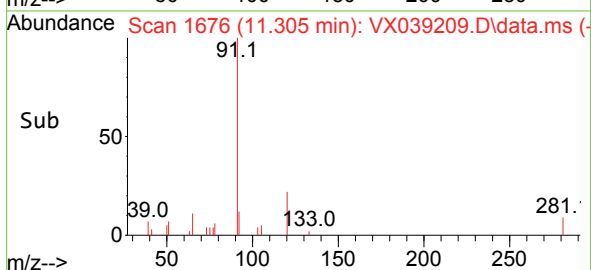
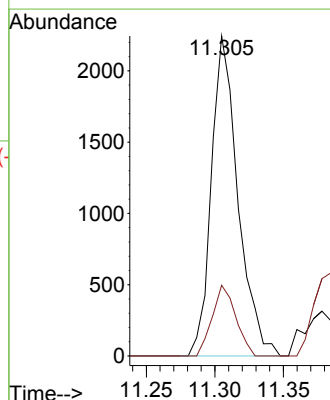
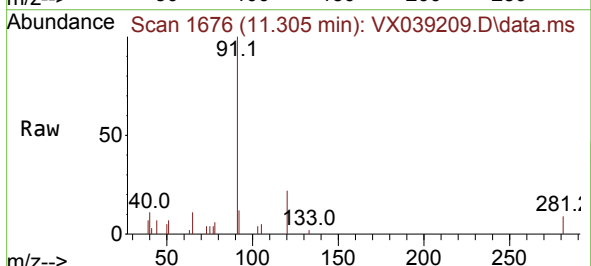
Acq: 14 Dec 2023 15:34

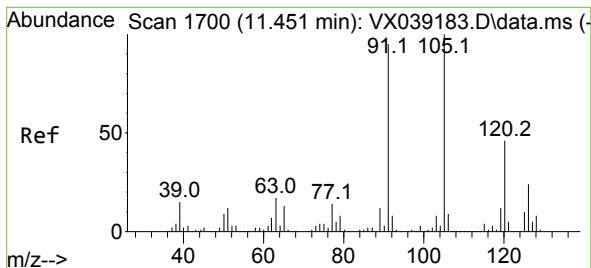
Tgt Ion: 91 Resp: 3035

Ion Ratio Lower Upper

91 100

120 19.6 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 0.612 ug/l

RT: 11.445 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX039209.D

Acq: 14 Dec 2023 15:34

Instrument :

MSVOA_X

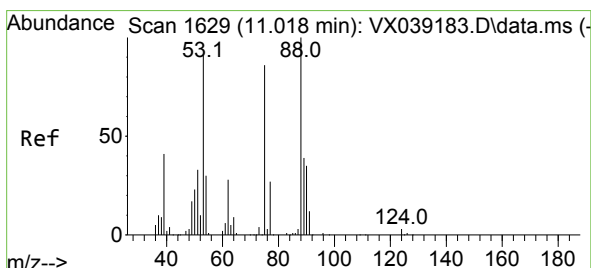
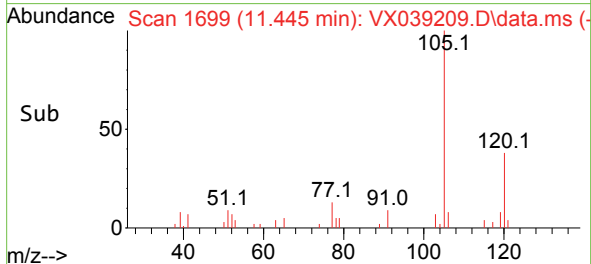
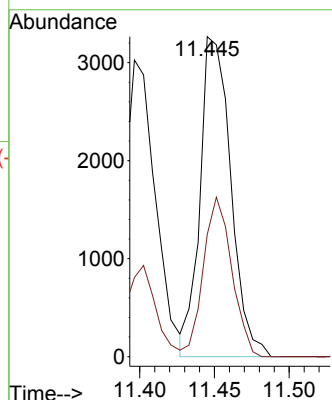
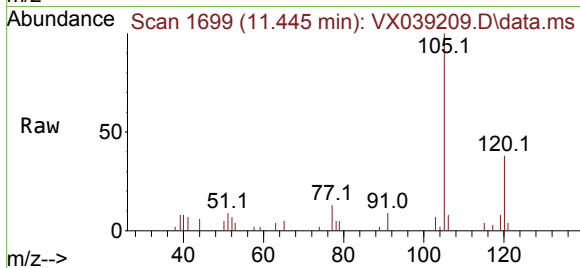
ClientSampleId :

Tgt Ion:105 Resp: 4667

Ion Ratio Lower Upper

105 100

120 46.0 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 66.148 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039209.D

Acq: 14 Dec 2023 15:34

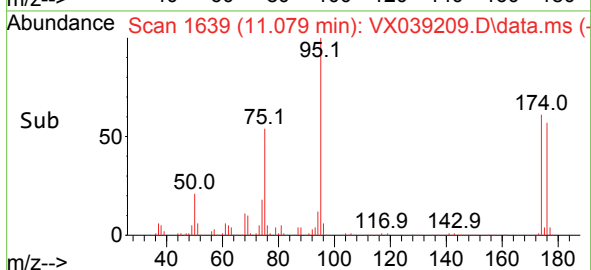
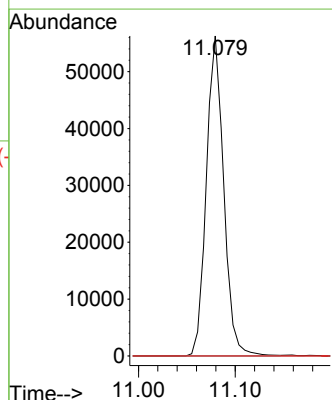
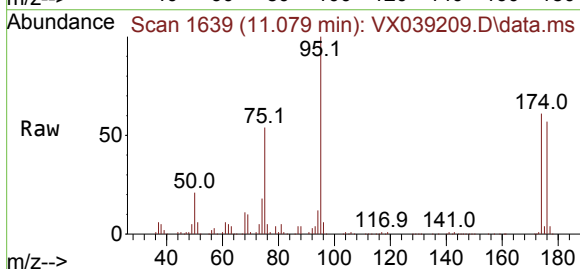
Tgt Ion: 75 Resp: 70391

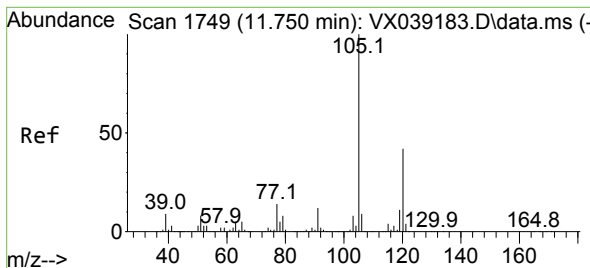
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 2.202 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX039209.D

Acq: 14 Dec 2023 15:34

Instrument :

MSVOA_X

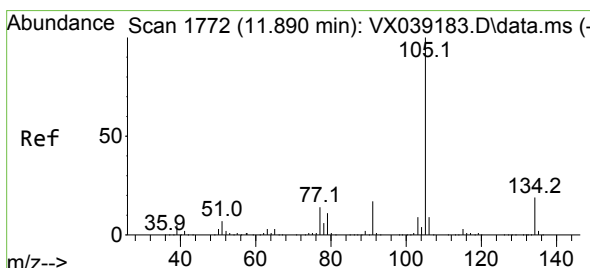
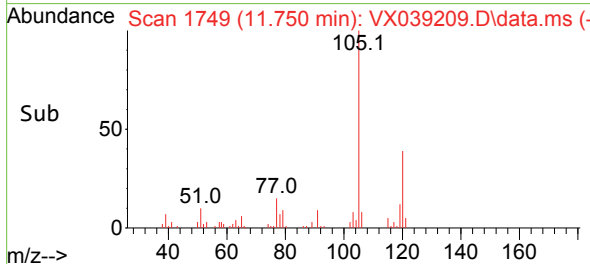
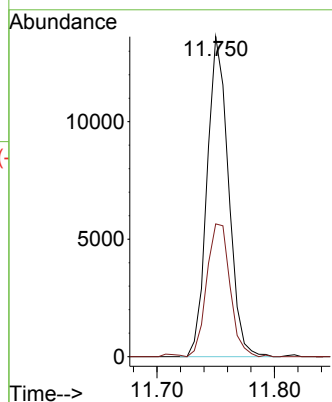
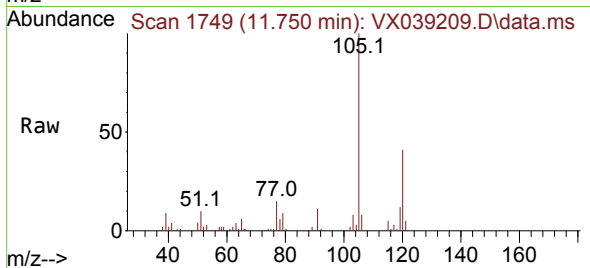
ClientSampleId :

Tgt Ion:105 Resp: 17220

Ion Ratio Lower Upper

105 100

120 45.2 21.2 63.6



#85

sec-Butylbenzene

Concen: 0.296 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX039209.D

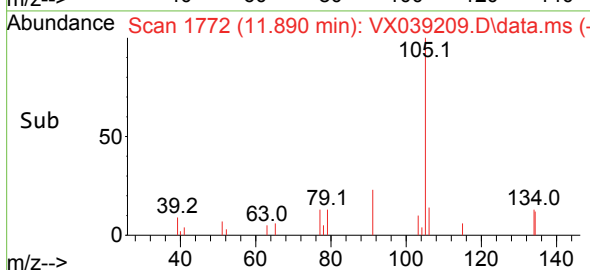
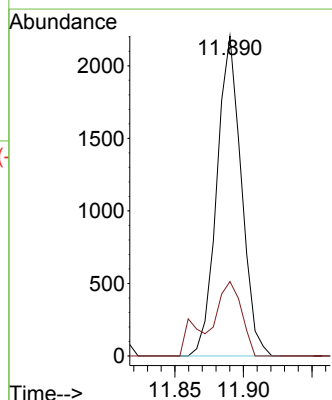
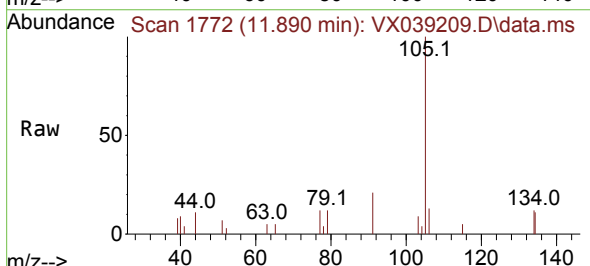
Acq: 14 Dec 2023 15:34

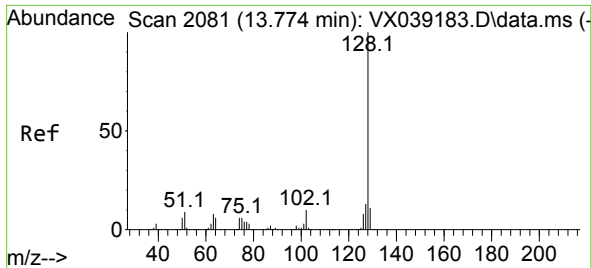
Tgt Ion:105 Resp: 2737

Ion Ratio Lower Upper

105 100

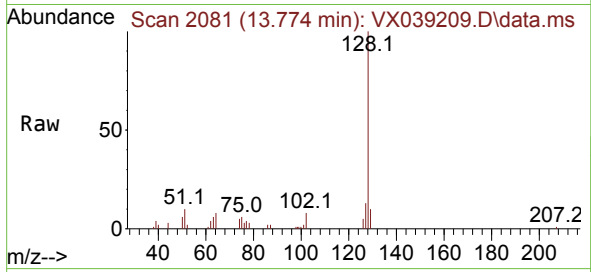
134 30.8 9.8 29.4#





#95
 Naphthalene
 Concen: 1.195 ug/l
 RT: 13.774 min Scan# 2081
 Delta R.T. 0.000 min
 Lab File: VX039209.D
 Acq: 14 Dec 2023 15:34

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	128	Resp:	10138
Ion	Ratio	Lower	Upper
128	100		
127	11.0	10.3	15.5
129	11.5	8.8	13.2

