

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121423\
 Data File : VX039214.D
 Acq On : 14 Dec 2023 17:28
 Operator : JC/MD
 Sample : 05829-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 15 03:03:59 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)

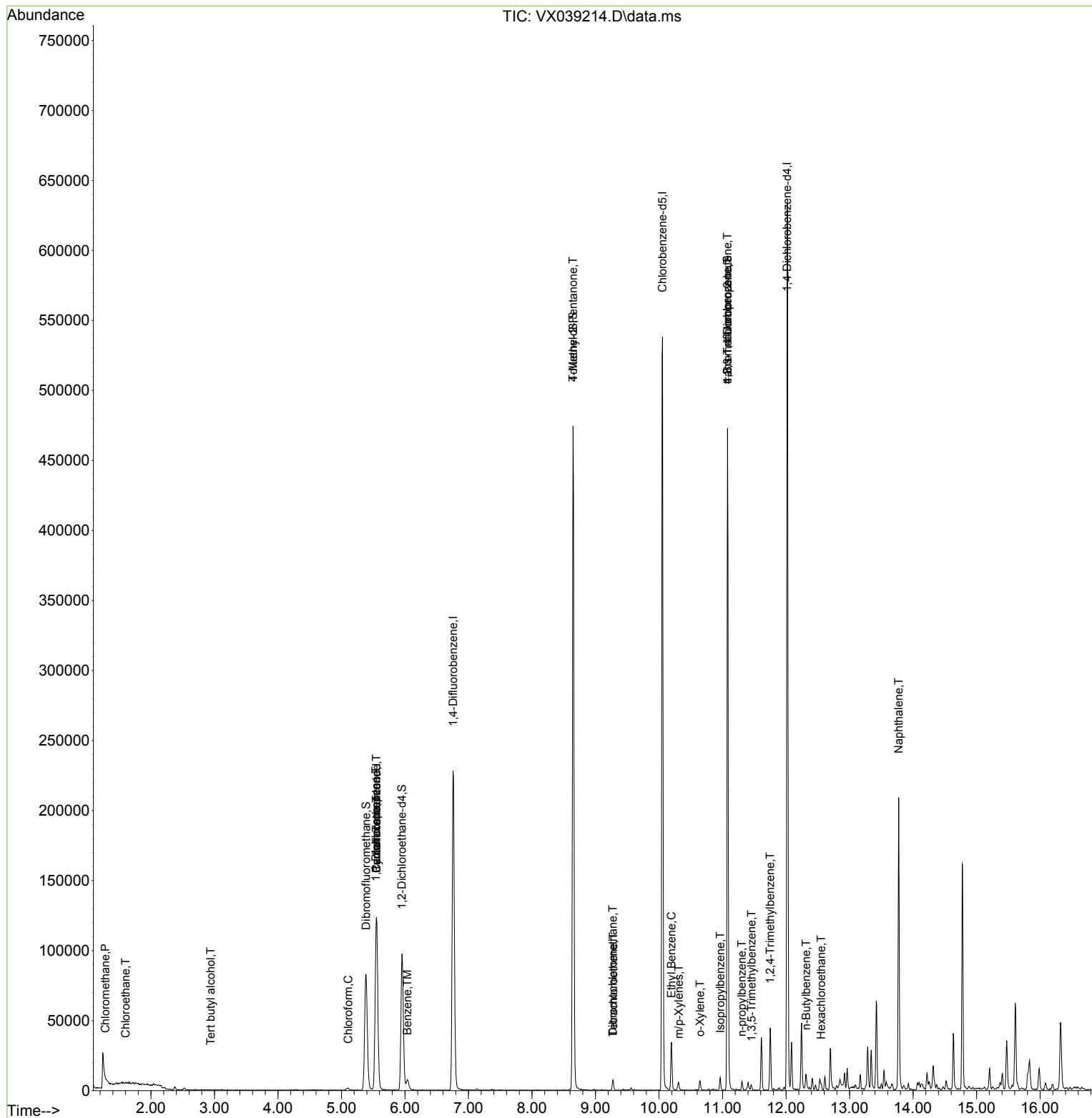
Internal Standards						
1) Pentafluorobenzene	5.549	168	106858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.756	114	220161	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	228692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	117587	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	96478	49.285	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.560%		
35) Dibromofluoromethane	5.385	113	73746	48.486	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.980%		
50) Toluene-d8	8.646	98	277489	49.142	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.280%		
62) 4-Bromofluorobenzene	11.079	95	131618	56.493	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	112.980%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.282	50	368	0.221	ug/l #	43
6) Chloroethane	1.599	64	489	0.524	ug/l #	57
11) Tert butyl alcohol	2.940	59	126	0.256	ug/l #	78
16) Acetone	2.379	43	2108	Below Cal		97
30) Chloroform	5.104	83	1814	0.634	ug/l	97
31) Cyclohexane	5.549	56	3131	1.238	ug/l #	1
36) 1,1-Dichloropropene	5.543	75	10760	4.483	ug/l #	50
38) Carbon Tetrachloride	5.549	117	12718	5.552	ug/l #	15
40) Benzene	6.037	78	8631	1.271	ug/l #	84
51) 4-Methyl-2-Pentanone	8.646	43	1403	0.457	ug/l #	1
60) Dibromochloromethane	9.274	129	1485	0.858	ug/l #	11
64) Tetrachloroethene	9.280	164	1264	0.846	ug/l #	84
67) Ethyl Benzene	10.195	91	20613	2.218	ug/l	98
68) m/p-Xylenes	10.311	106	1275	0.383	ug/l	82
69) o-Xylene	10.646	106	1422	0.441	ug/l	80
73) Isopropylbenzene	10.963	105	4435	0.489	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	72147	23.716	ug/l #	39
78) n-propylbenzene	11.304	91	4190	0.375	ug/l	93
80) 1,3,5-Trimethylbenzene	11.457	105	1690	0.219	ug/l	91
81) trans-1,4-Dichloro-2-b...	11.079	75	72147	66.901	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.749	105	18755	2.366	ug/l	99
89) n-Butylbenzene	12.316	91	1972	0.255	ug/l #	40
90) Hexachloroethane	12.554	117	1014	0.715	ug/l #	17
95) Naphthalene	13.774	128	117631	13.678	ug/l	100

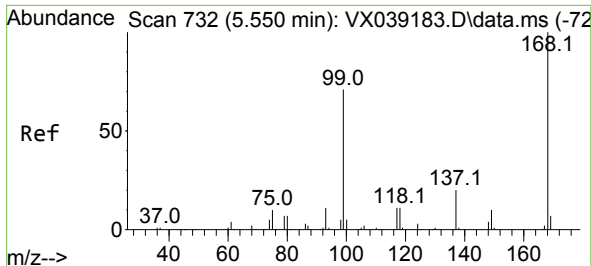
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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



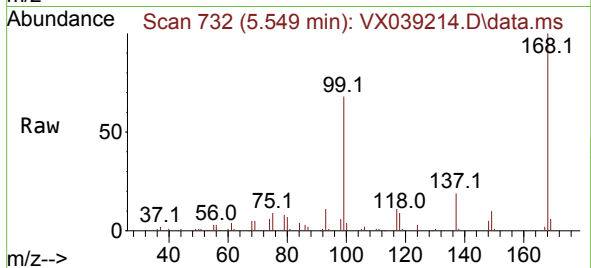


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX039214.D
Acq: 14 Dec 2023 17:28

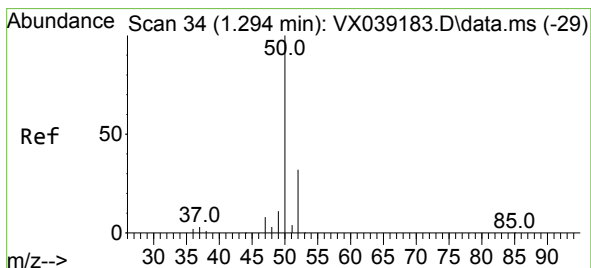
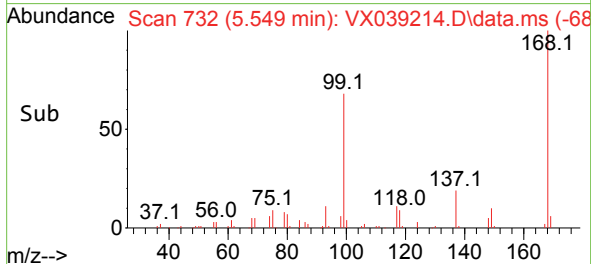
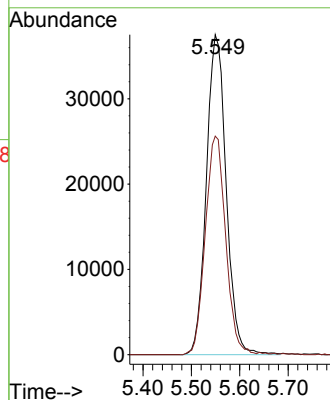
Instrument :

MSVOA_X

ClientSampleId :

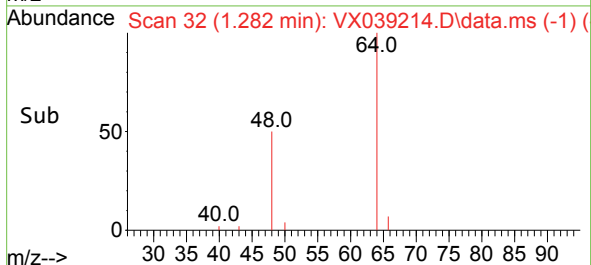
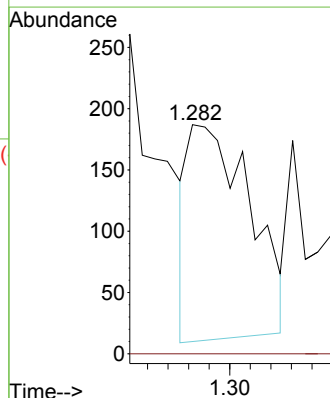
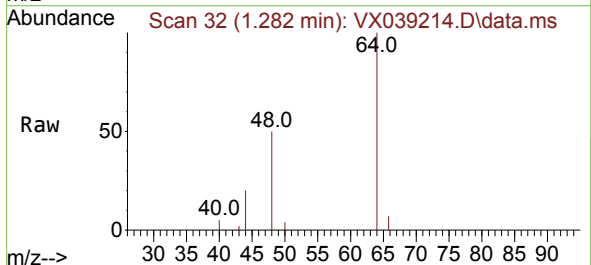


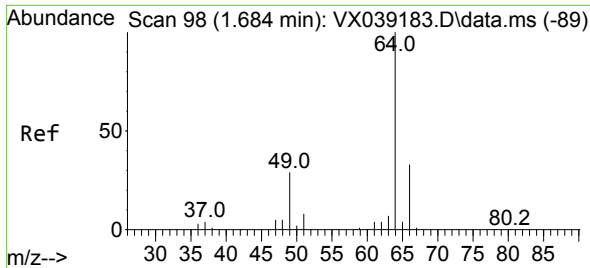
Tgt Ion:168 Resp: 106858
Ion Ratio Lower Upper
168 100
99 68.3 56.6 85.0



#3
Chloromethane
Concen: 0.221 ug/l
RT: 1.282 min Scan# 32
Delta R.T. -0.012 min
Lab File: VX039214.D
Acq: 14 Dec 2023 17:28

Tgt Ion: 50 Resp: 368
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

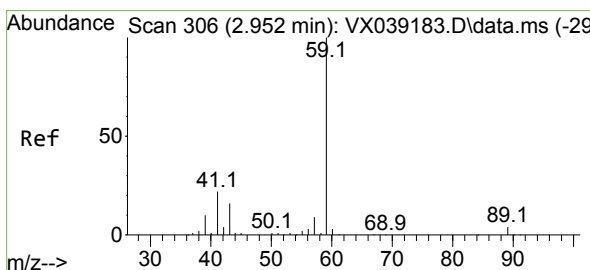
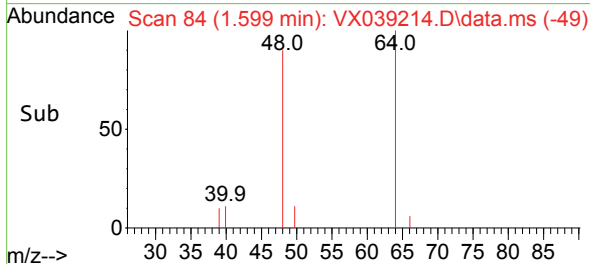
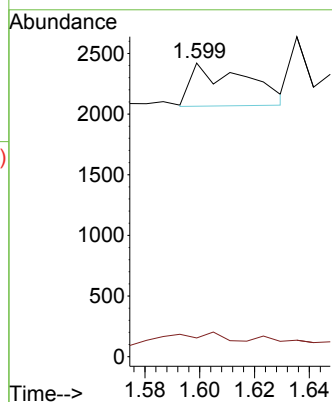
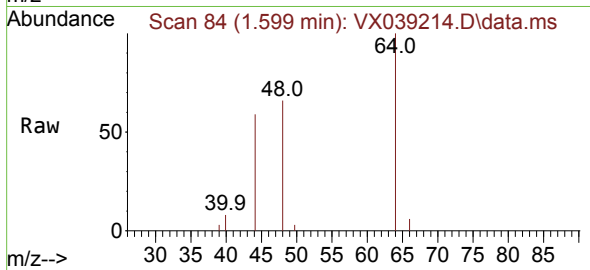




#6
Chloroethane
Concen: 0.524 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.085 min
Lab File: VX039214.D
Acq: 14 Dec 2023 17:28

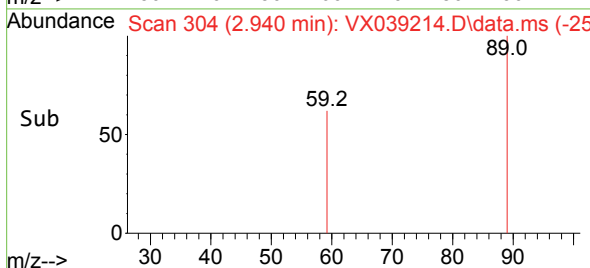
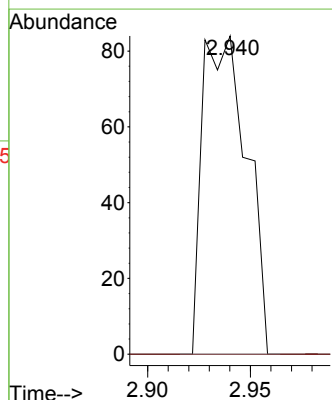
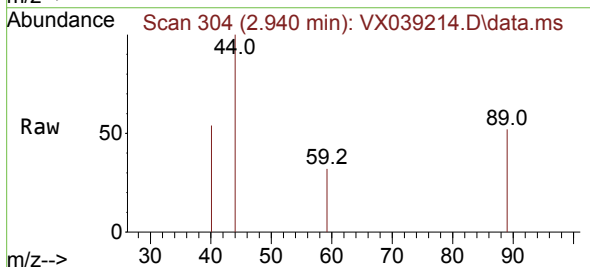
Instrument :
MSVOA_X
ClientSampleId :

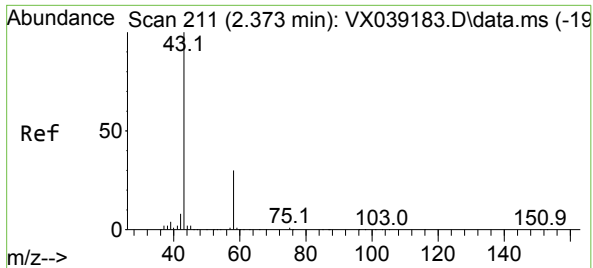
Tgt Ion: 64 Resp: 489
Ion Ratio Lower Upper
64 100
66 7.8 25.1 37.7#



#11
Tert butyl alcohol
Concen: 0.256 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.012 min
Lab File: VX039214.D
Acq: 14 Dec 2023 17:28

Tgt Ion: 59 Resp: 126
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

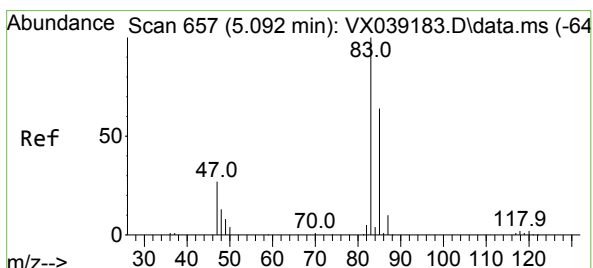
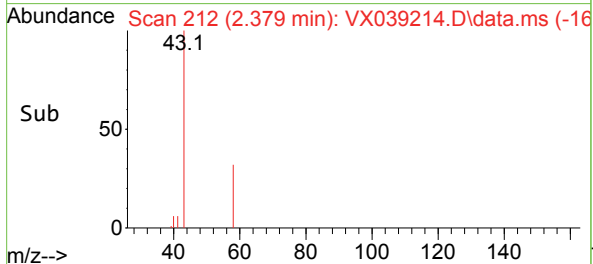
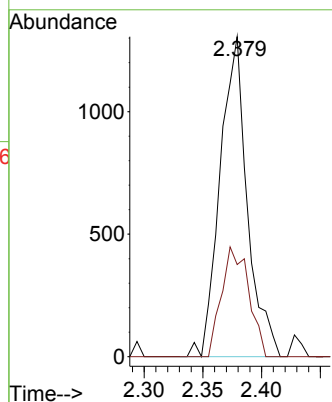
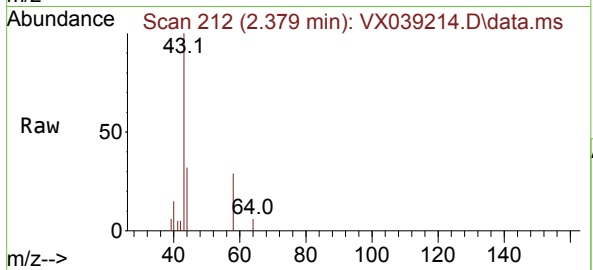




#16
Acetone
Concen: Below Cal
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX039214.D
Acq: 14 Dec 2023 17:28

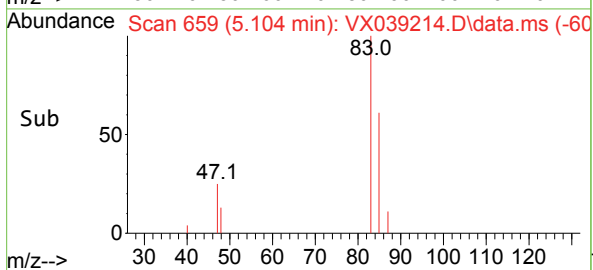
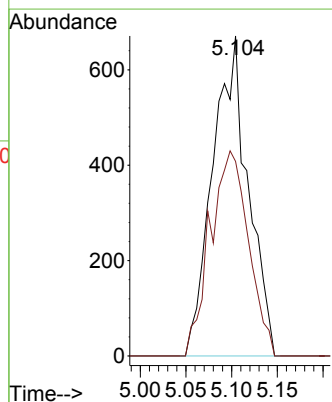
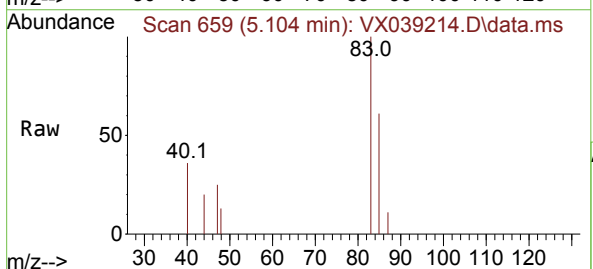
Instrument :
MSVOA_X
ClientSampleId :

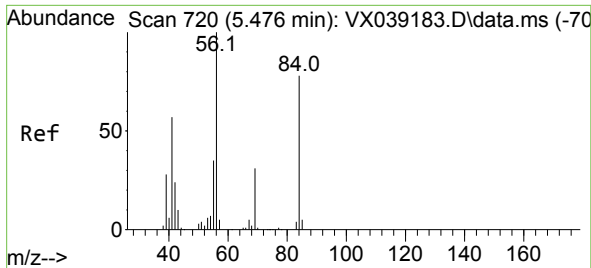
Tgt Ion: 43 Resp: 2108
Ion Ratio Lower Upper
43 100
58 28.8 21.9 32.9



#30
Chloroform
Concen: 0.634 ug/l
RT: 5.104 min Scan# 659
Delta R.T. 0.012 min
Lab File: VX039214.D
Acq: 14 Dec 2023 17:28

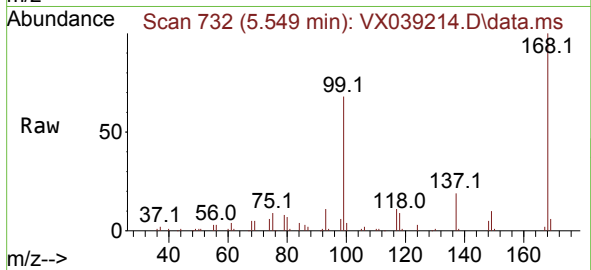
Tgt Ion: 83 Resp: 1814
Ion Ratio Lower Upper
83 100
85 60.8 50.3 75.5



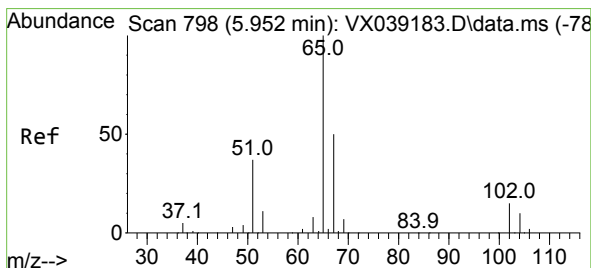
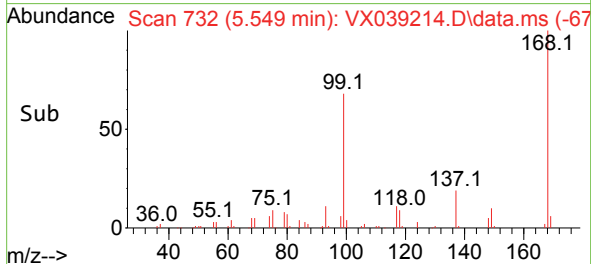
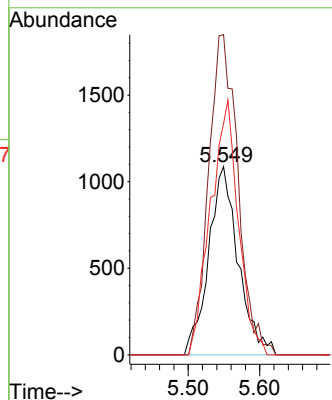


#31
Cyclohexane
Concen: 1.238 ug/l
RT: 5.549 min Scan# 712
Delta R.T. 0.073 min
Lab File: VX039214.D
Acq: 14 Dec 2023 17:28

Instrument :
MSVOA_X
ClientSampleId :

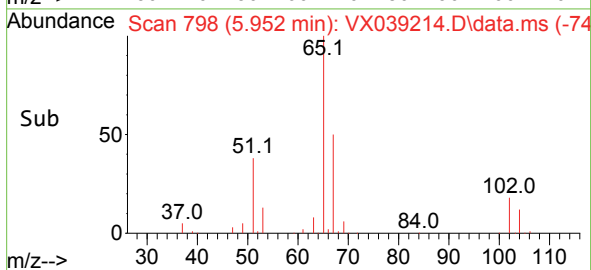
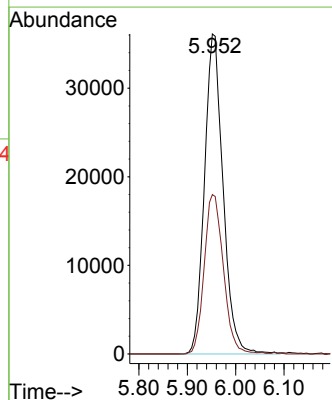
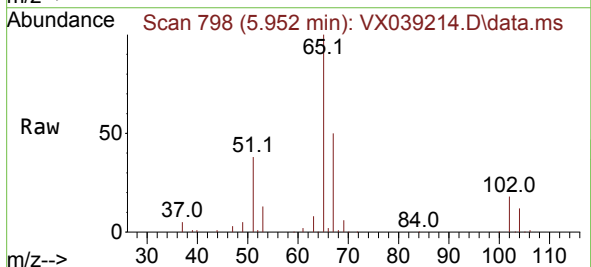


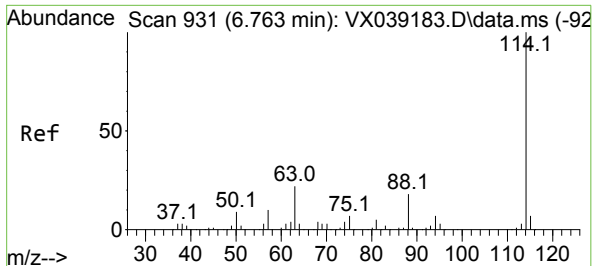
Tgt Ion: 56 Resp: 3131
Ion Ratio Lower Upper
56 100
69 170.1 23.4 35.2#
84 122.8 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 49.285 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX039214.D
Acq: 14 Dec 2023 17:28

Tgt Ion: 65 Resp: 96478
Ion Ratio Lower Upper
65 100
67 51.5 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.756 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX039214.D

Acq: 14 Dec 2023 17:28

Instrument :

MSVOA_X

ClientSampleId :

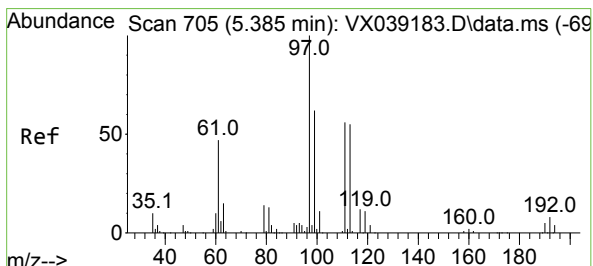
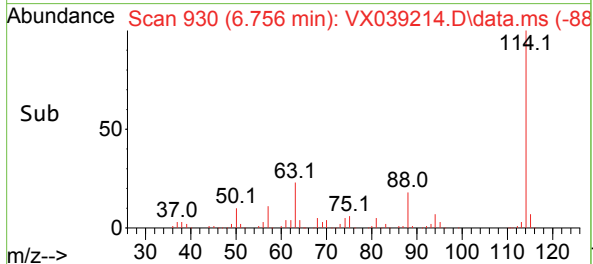
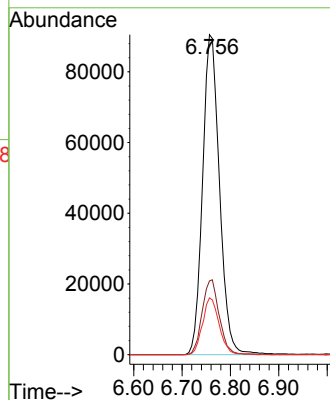
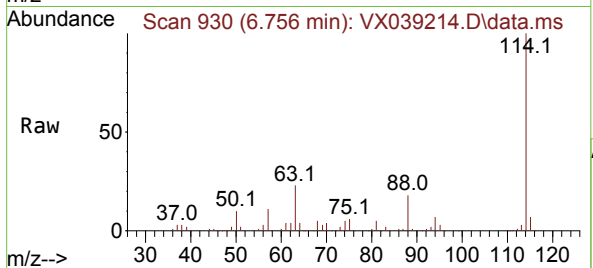
Tgt Ion:114 Resp: 220161

Ion Ratio Lower Upper

114 100

63 23.1 0.0 45.0

88 17.7 0.0 36.6



#35

Dibromofluoromethane

Concen: 48.486 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX039214.D

Acq: 14 Dec 2023 17:28

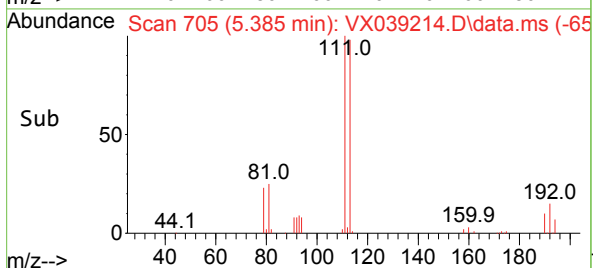
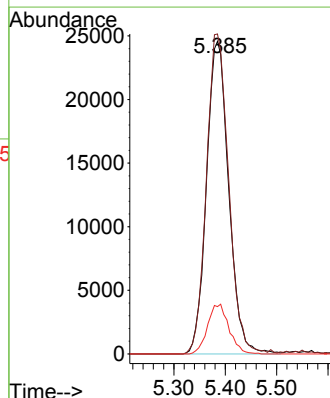
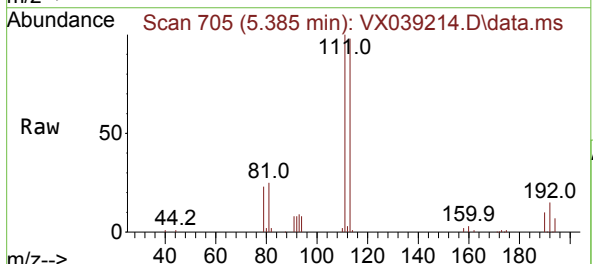
Tgt Ion:113 Resp: 73746

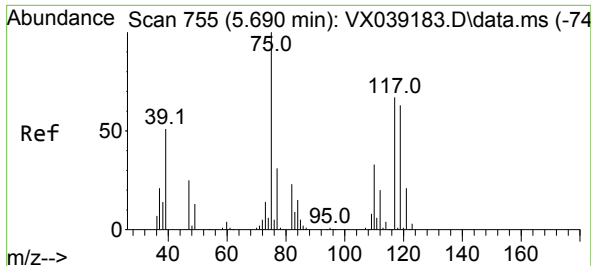
Ion Ratio Lower Upper

113 100

111 102.3 82.9 124.3

192 15.3 13.3 19.9

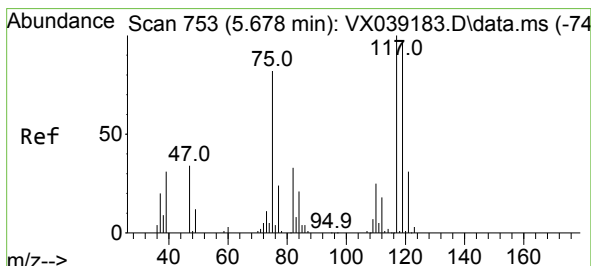
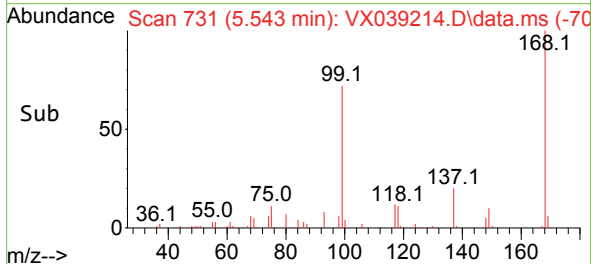
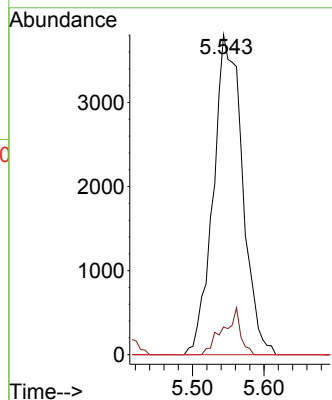
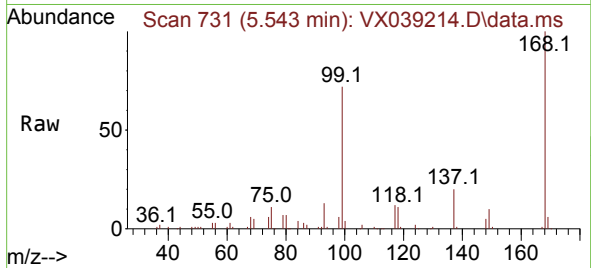




#36
 1,1-Dichloropropene
 Concen: 4.483 ug/l
 RT: 5.543 min Scan# 71
 Delta R.T. -0.146 min
 Lab File: VX039214.D
 Acq: 14 Dec 2023 17:28

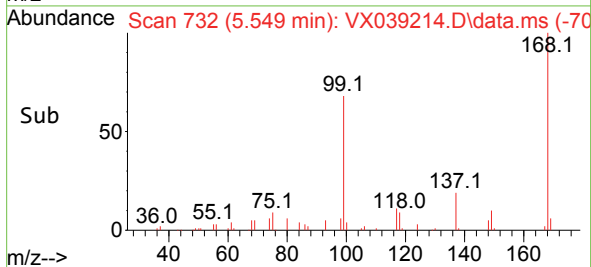
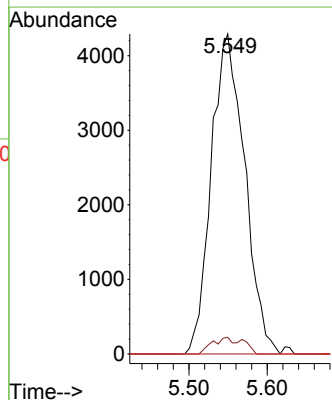
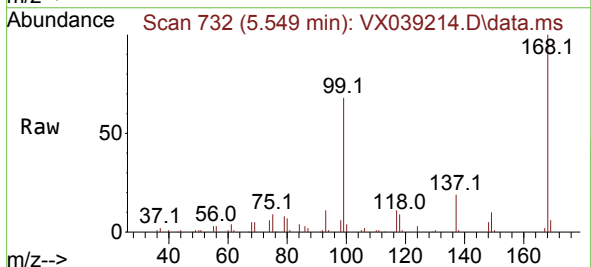
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 MSVOA_X
 ClientSampleId :

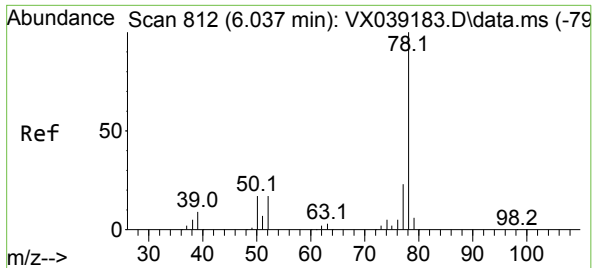
Tgt Ion: 75 Resp: 10760
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.0 50.9#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.552 ug/l
 RT: 5.549 min Scan# 732
 Delta R.T. -0.128 min
 Lab File: VX039214.D
 Acq: 14 Dec 2023 17:28

Tgt Ion: 117 Resp: 12718
 Ion Ratio Lower Upper
 117 100
 119 5.2 78.2 117.2#
 121 0.0 24.4 36.6#





#40

Benzene

Concen: 1.271 ug/l

RT: 6.037 min Scan# 812

Delta R.T. -0.000 min

Lab File: VX039214.D

Acq: 14 Dec 2023 17:28

Instrument :

MSVOA_X

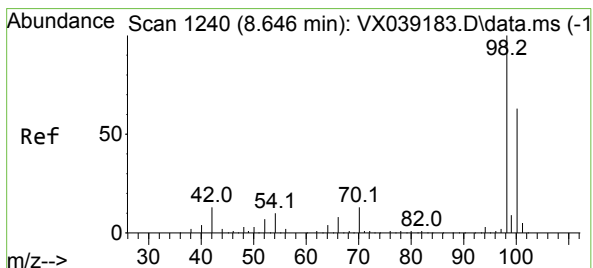
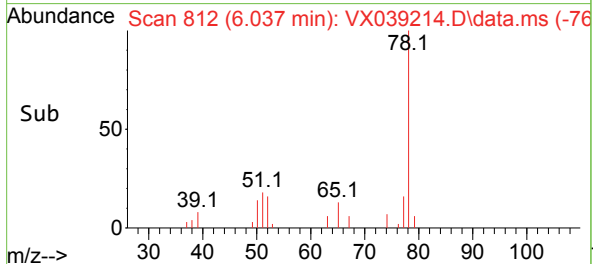
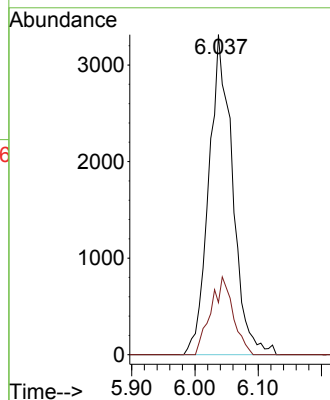
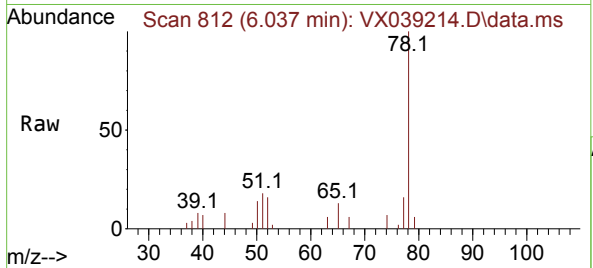
ClientSampleId :

Tgt Ion: 78 Resp: 8631

Ion Ratio Lower Upper

78 100

77 16.3 19.3 28.9#



#50

Toluene-d8

Concen: 49.142 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX039214.D

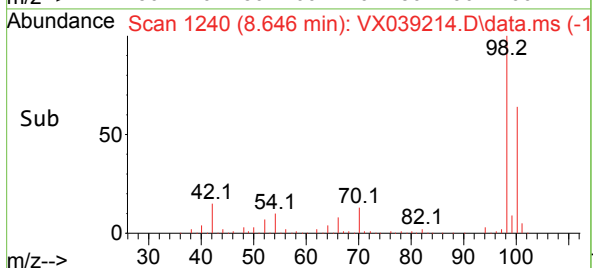
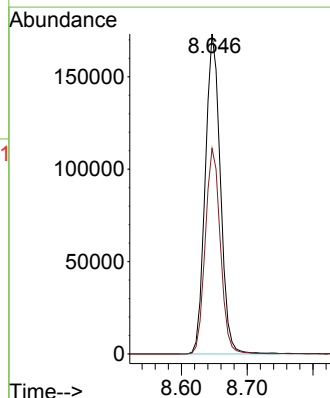
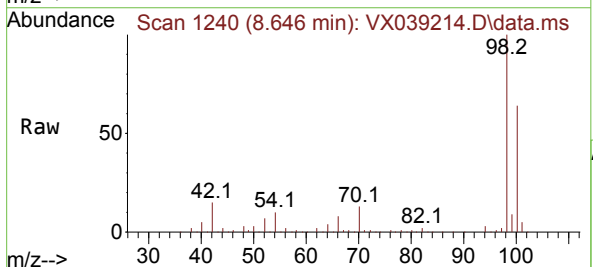
Acq: 14 Dec 2023 17:28

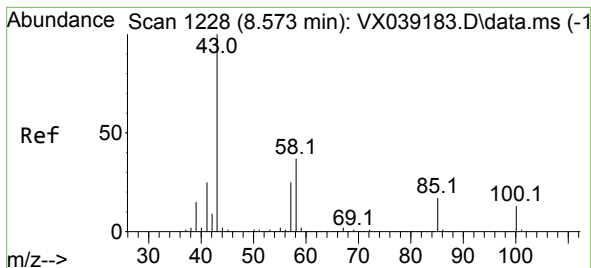
Tgt Ion: 98 Resp: 277489

Ion Ratio Lower Upper

98 100

100 64.0 53.1 79.7

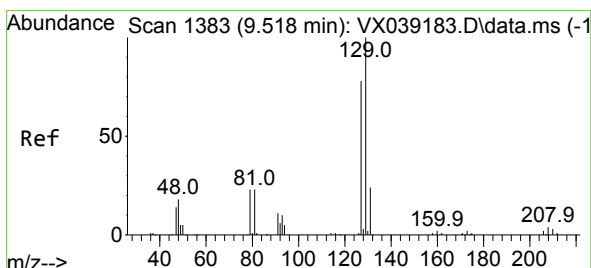
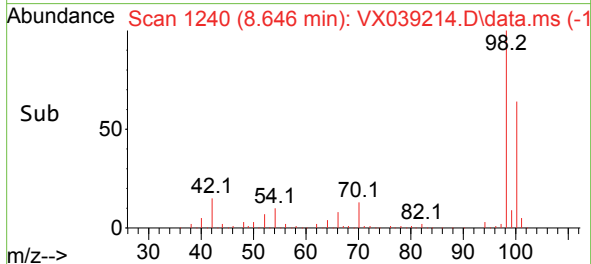
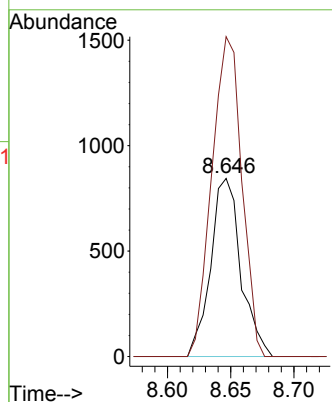
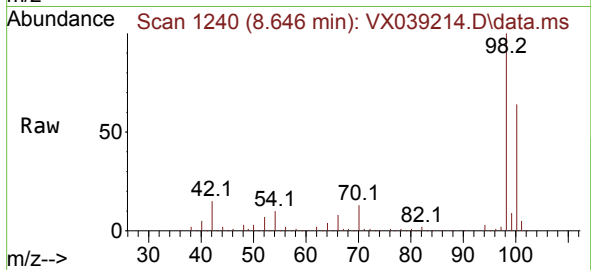




#51
4-Methyl-2-Pentanone
Concen: 0.457 ug/l
RT: 8.646 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX039214.D
Acq: 14 Dec 2023 17:28

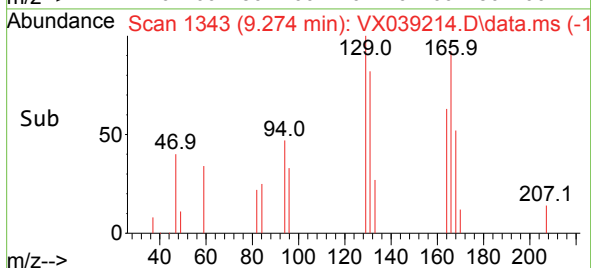
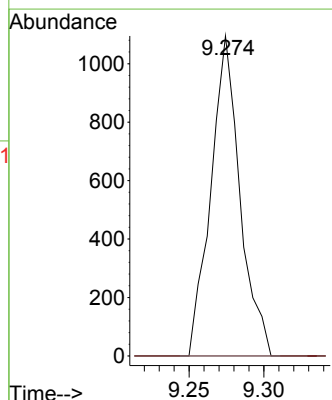
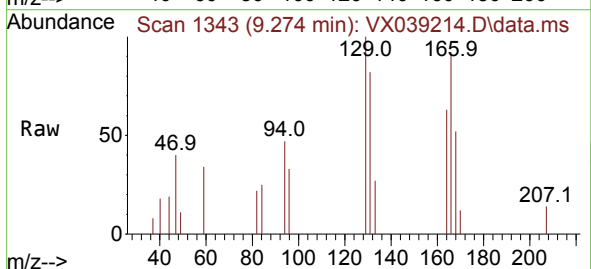
Instrument :
MSVOA_X
ClientSampleId :

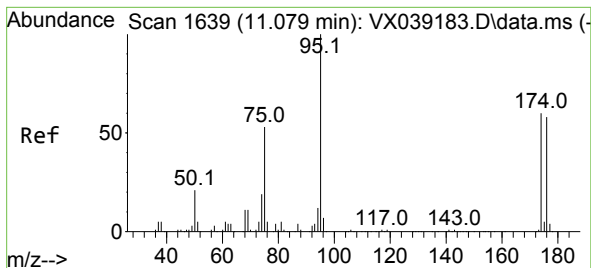
Tgt Ion: 43 Resp: 1403
Ion Ratio Lower Upper
43 100
58 178.7 30.4 45.6#



#60
Dibromochloromethane
Concen: 0.858 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX039214.D
Acq: 14 Dec 2023 17:28

Tgt Ion: 129 Resp: 1485
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

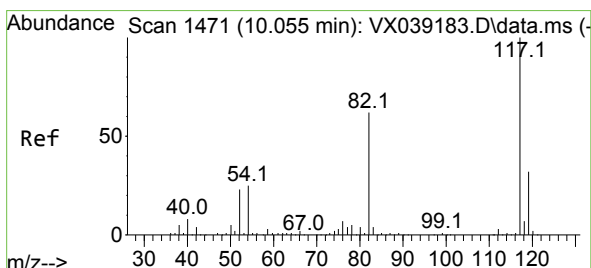
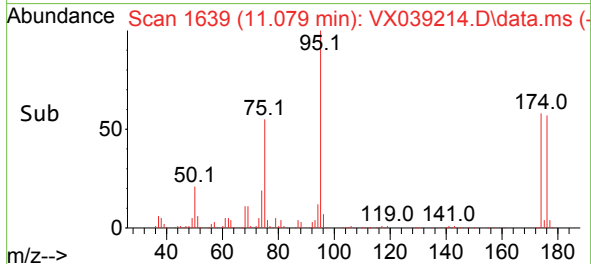
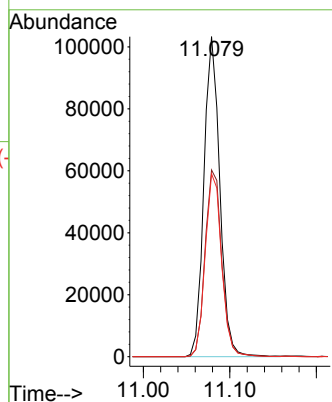
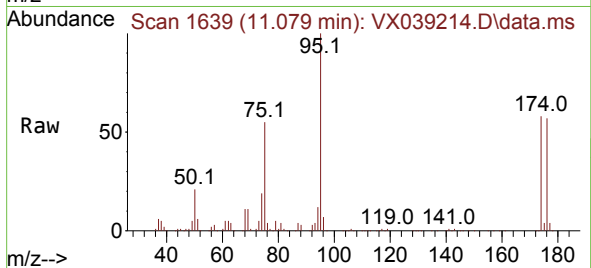




#62
4-Bromofluorobenzene
Concen: 56.493 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX039214.D
Acq: 14 Dec 2023 17:28

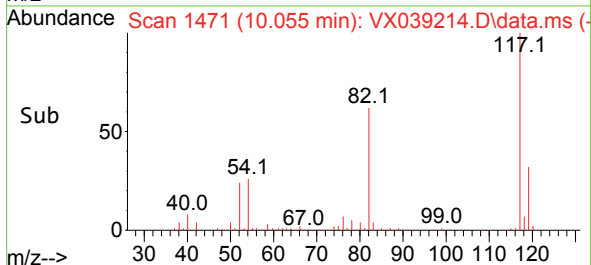
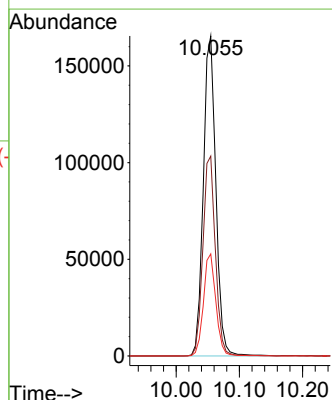
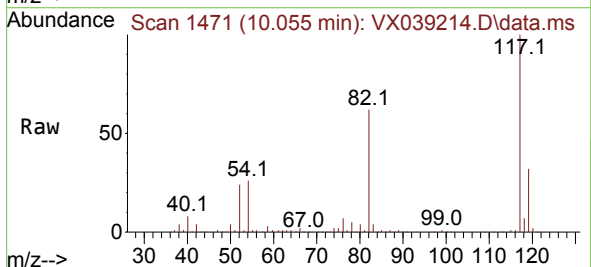
Instrument :
MSVOA_X
ClientSampleId :

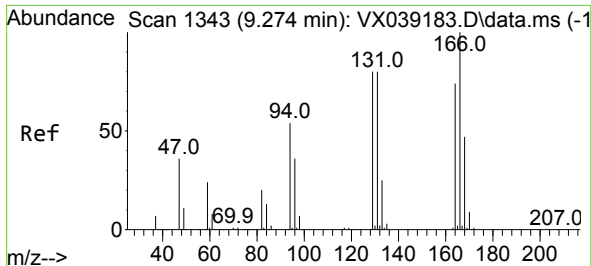
Tgt Ion: 95 Resp: 131618
Ion Ratio Lower Upper
95 100
174 61.2 0.0 135.6
176 59.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX039214.D
Acq: 14 Dec 2023 17:28

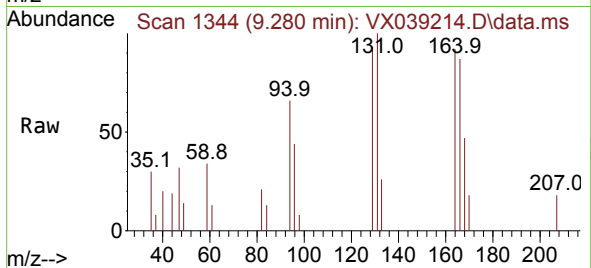
Tgt Ion: 117 Resp: 228692
Ion Ratio Lower Upper
117 100
82 62.5 46.2 69.4
119 31.9 25.5 38.3



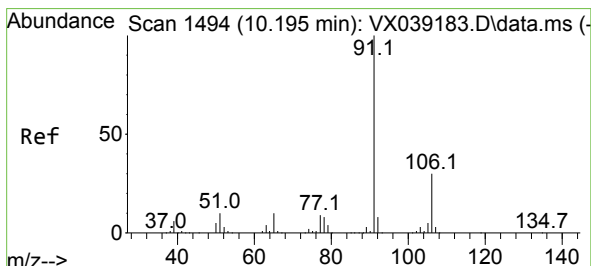
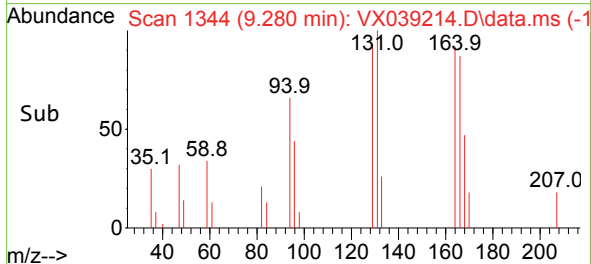
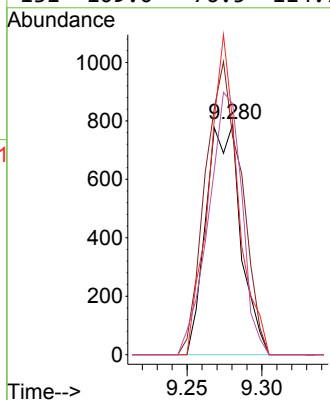


#64
Tetrachloroethene
Concen: 0.846 ug/l
RT: 9.280 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX039214.D
Acq: 14 Dec 2023 17:28

Instrument :
MSVOA_X
ClientSampleId :

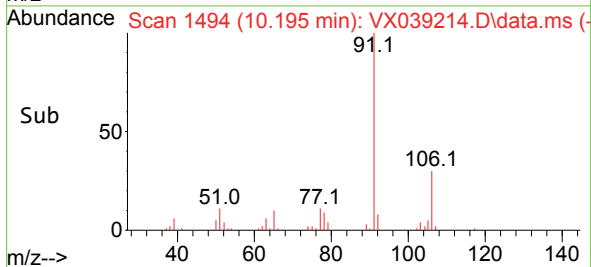
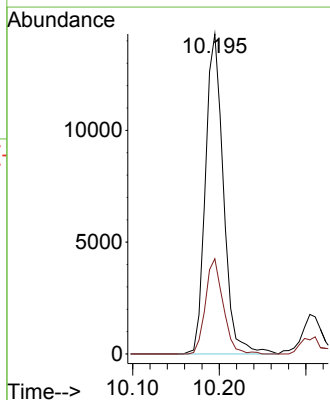
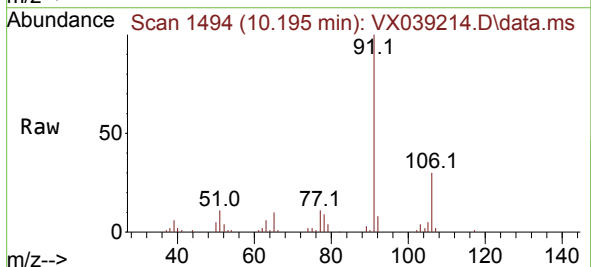


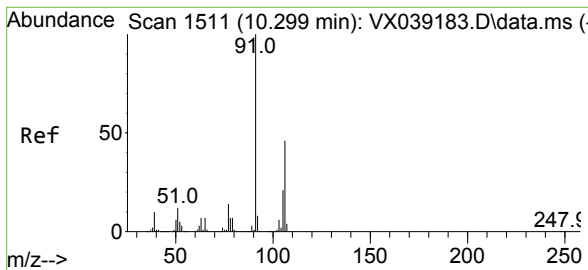
Tgt Ion:164 Resp: 1264
Ion Ratio Lower Upper
164 100
166 94.7 102.7 154.1#
129 101.0 80.4 120.6
131 109.0 76.5 114.7



#67
Ethyl Benzene
Concen: 2.218 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX039214.D
Acq: 14 Dec 2023 17:28

Tgt Ion: 91 Resp: 20613
Ion Ratio Lower Upper
91 100
106 29.7 24.9 37.3

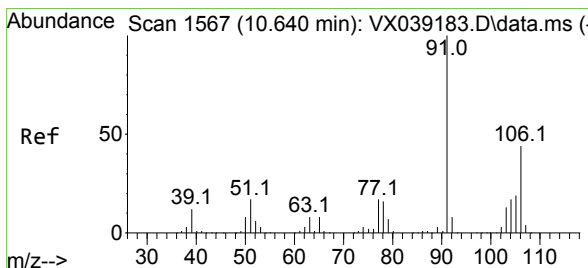
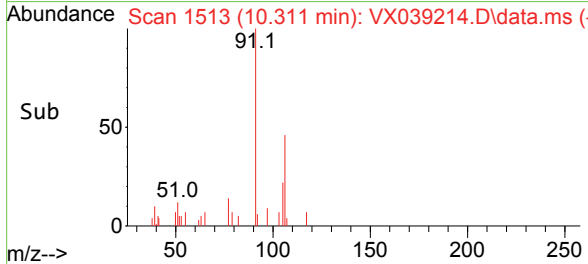
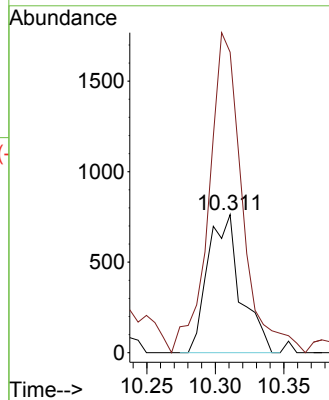
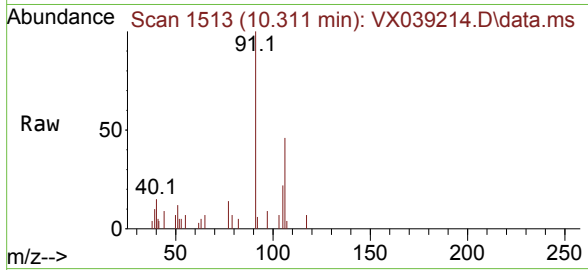




#68
m/p-Xylenes
Concen: 0.383 ug/l
RT: 10.311 min Scan# 1512
Delta R.T. 0.012 min
Lab File: VX039214.D
Acq: 14 Dec 2023 17:28

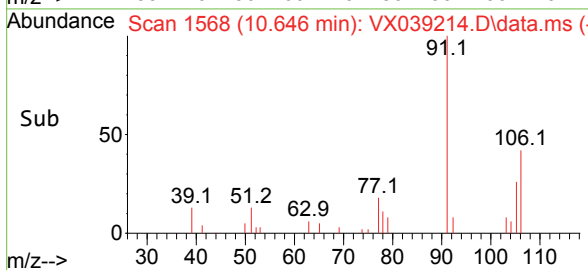
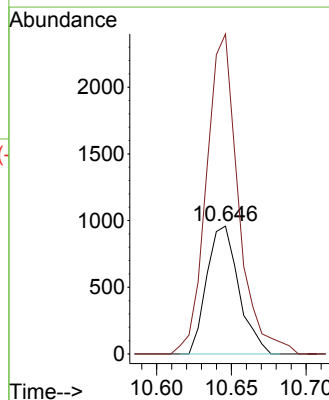
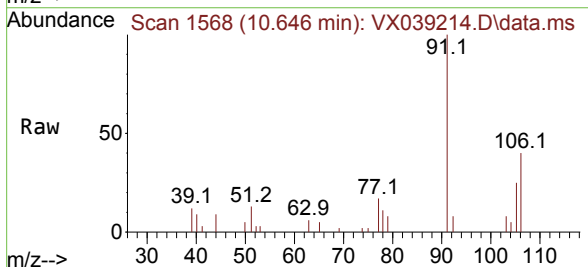
Instrument :
MSVOA_X
ClientSampleId :

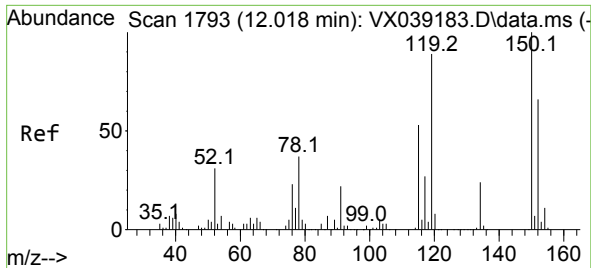
Tgt Ion:106 Resp: 1275
Ion Ratio Lower Upper
106 100
91 234.0 165.5 248.3



#69
o-Xylene
Concen: 0.441 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX039214.D
Acq: 14 Dec 2023 17:28

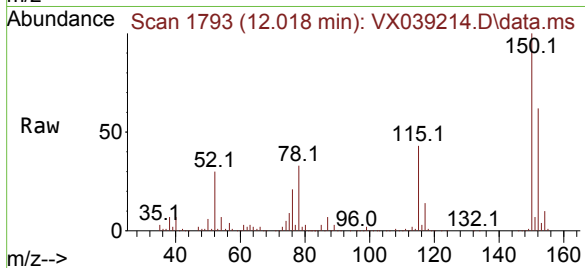
Tgt Ion:106 Resp: 1422
Ion Ratio Lower Upper
106 100
91 250.6 108.9 326.8



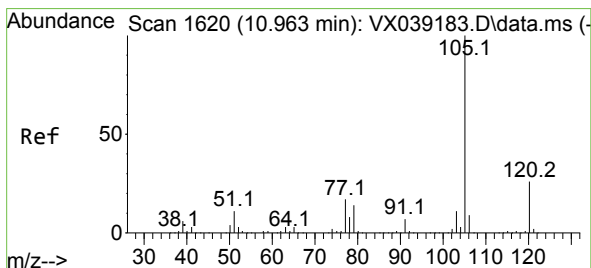
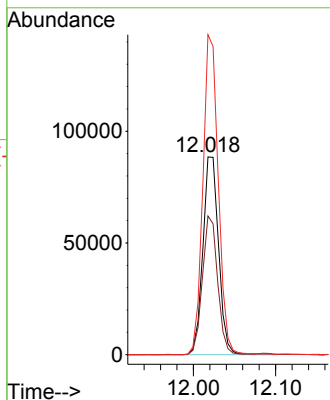
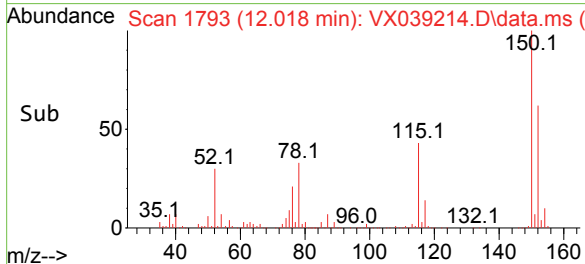


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 117587
Delta R.T. -0.000 min
Lab File: VX039214.D
Acq: 14 Dec 2023 17:28

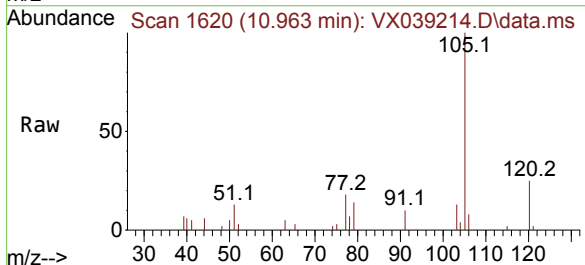
Instrument :
MSVOA_X
ClientSampleId :



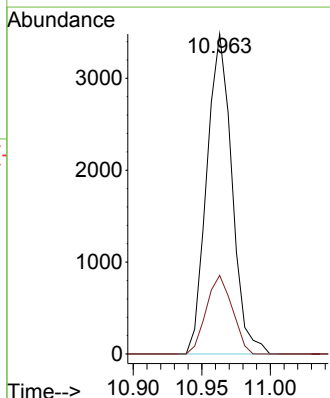
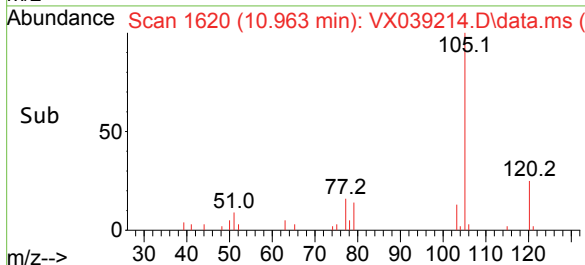
Tgt Ion:152 Resp: 117587
Ion Ratio Lower Upper
152 100
115 67.6 43.3 129.9
150 159.0 0.0 345.0

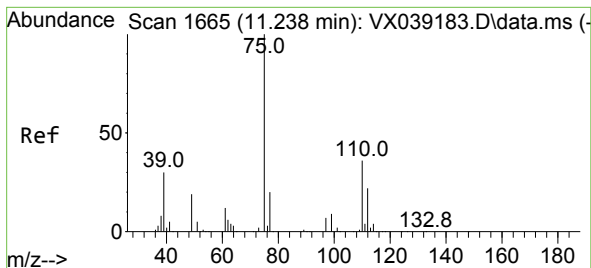


#73
Isopropylbenzene
Concen: 0.489 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX039214.D
Acq: 14 Dec 2023 17:28



Tgt Ion:105 Resp: 4435
Ion Ratio Lower Upper
105 100
120 25.4 12.9 38.6





#76

1,2,3-Trichloropropane

Concen: 23.716 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX039214.D

Acq: 14 Dec 2023 17:28

Instrument :

MSVOA_X

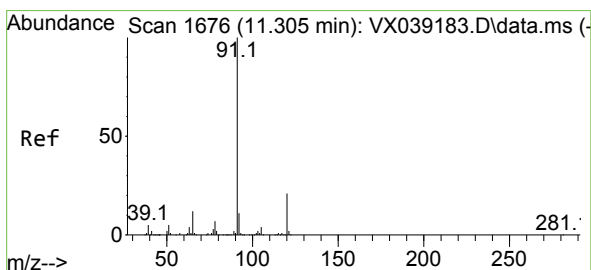
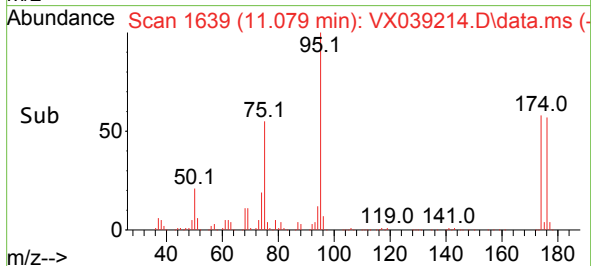
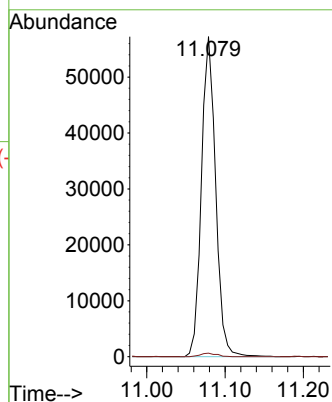
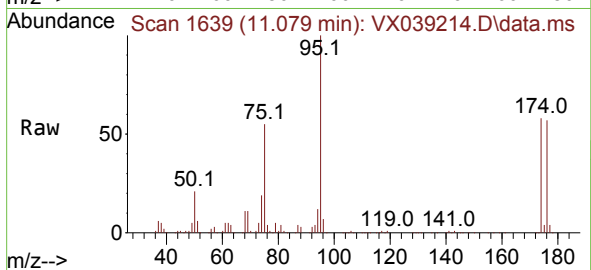
ClientSampleId :

Tgt Ion: 75 Resp: 72147

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#78

n-propylbenzene

Concen: 0.375 ug/l

RT: 11.304 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX039214.D

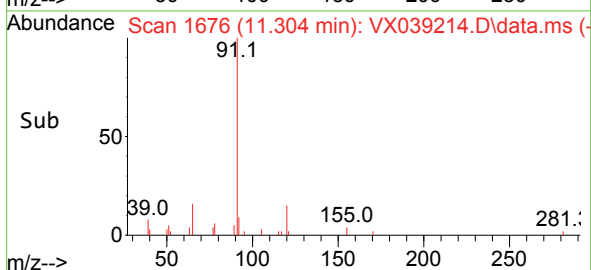
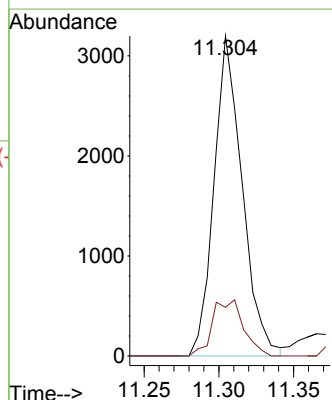
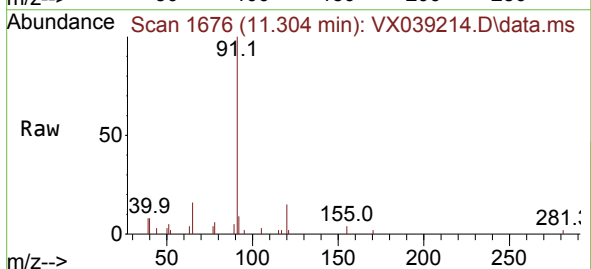
Acq: 14 Dec 2023 17:28

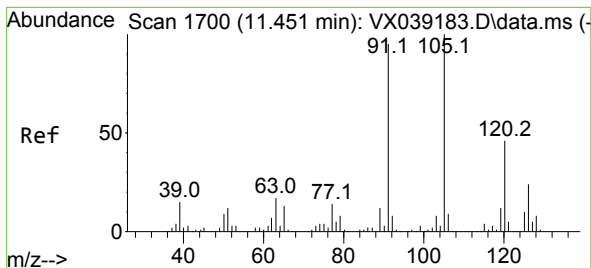
Tgt Ion: 91 Resp: 4190

Ion Ratio Lower Upper

91 100

120 19.3 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 0.219 ug/l

RT: 11.457 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX039214.D

Acq: 14 Dec 2023 17:28

Instrument :

MSVOA_X

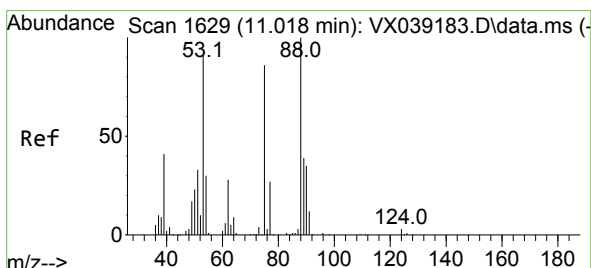
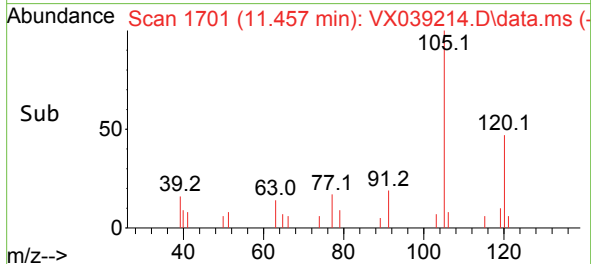
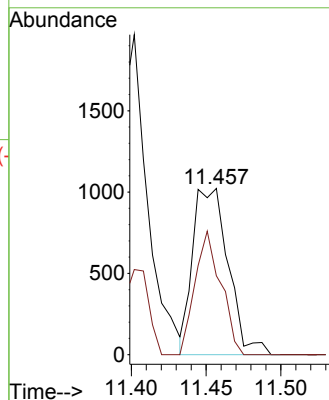
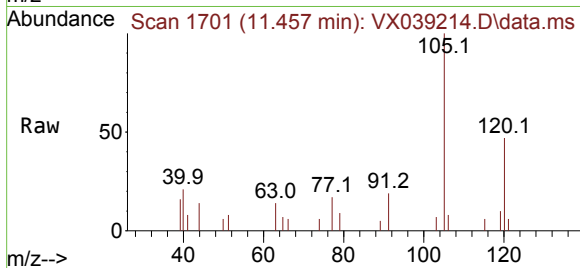
ClientSampleId :

Tgt Ion:105 Resp: 1690

Ion Ratio Lower Upper

105 100

120 54.3 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 66.901 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039214.D

Acq: 14 Dec 2023 17:28

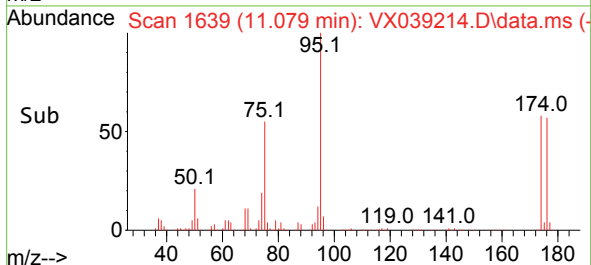
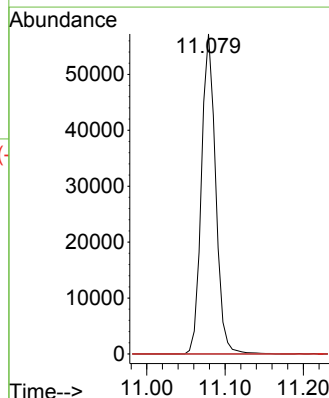
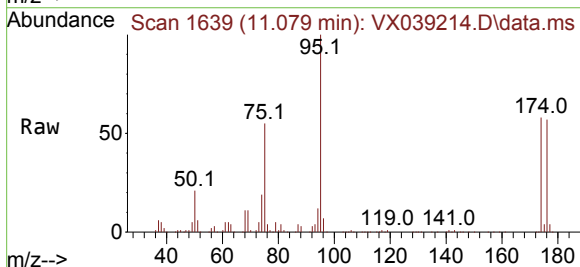
Tgt Ion: 75 Resp: 72147

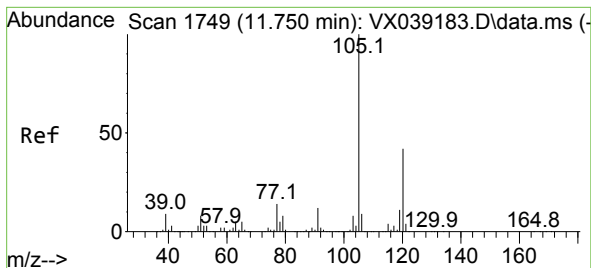
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 2.366 ug/l

RT: 11.749 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX039214.D

Acq: 14 Dec 2023 17:28

Instrument :

MSVOA_X

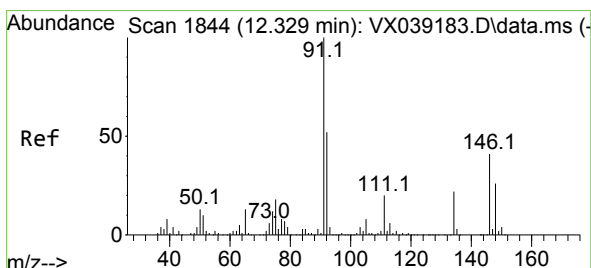
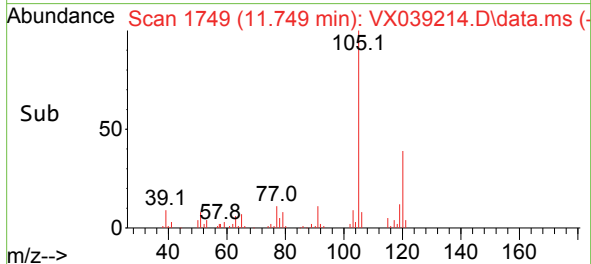
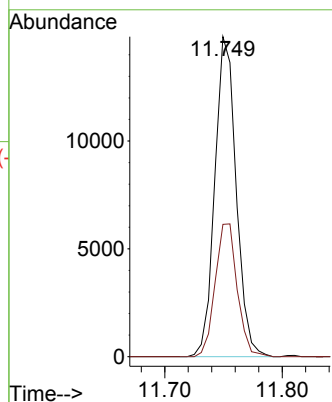
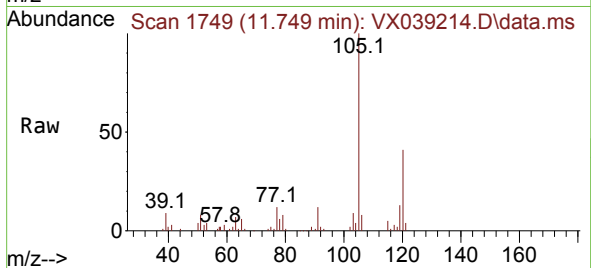
ClientSampleId :

Tgt Ion:105 Resp: 18755

Ion Ratio Lower Upper

105 100

120 42.9 21.2 63.6



#89

n-Butylbenzene

Concen: 0.255 ug/l

RT: 12.316 min Scan# 1842

Delta R.T. -0.012 min

Lab File: VX039214.D

Acq: 14 Dec 2023 17:28

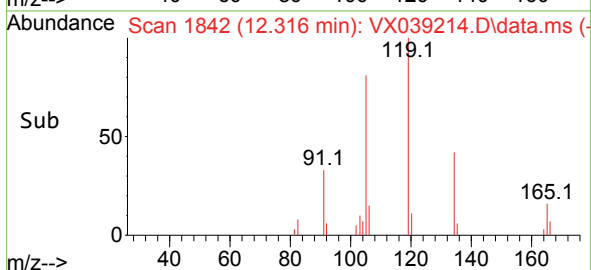
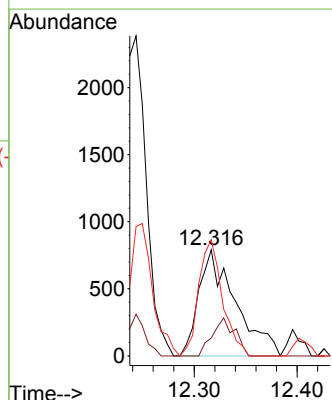
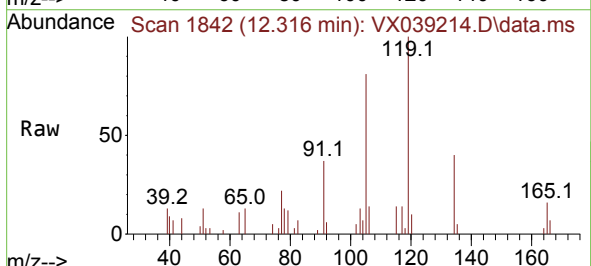
Tgt Ion: 91 Resp: 1972

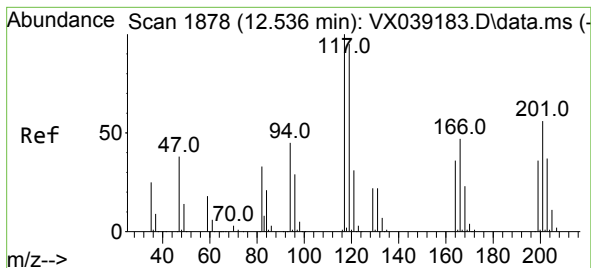
Ion Ratio Lower Upper

91 100

92 21.9 27.4 82.0#

134 70.8 12.6 37.8#





#90

Hexachloroethane

Concen: 0.715 ug/l

RT: 12.554 min Scan# 1881

Delta R.T. 0.018 min

Lab File: VX039214.D

Acq: 14 Dec 2023 17:28

Instrument :

MSVOA_X

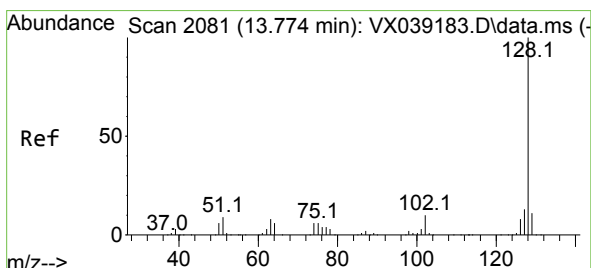
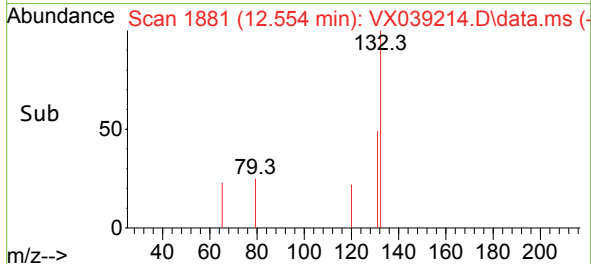
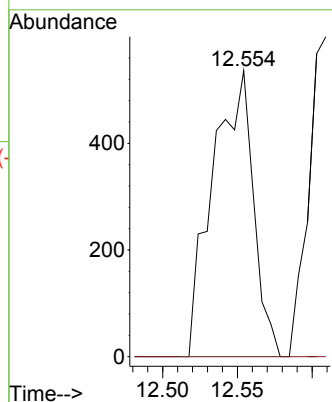
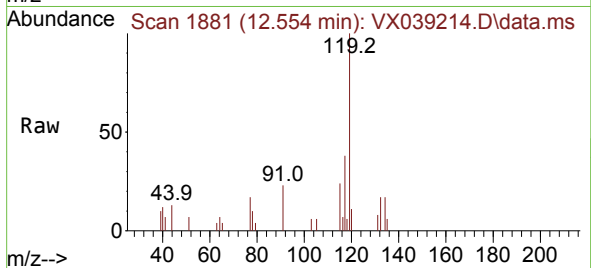
ClientSampleId :

Tgt Ion:117 Resp: 1014

Ion Ratio Lower Upper

117 100

201 0.0 32.9 98.6#



#95

Naphthalene

Concen: 13.678 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX039214.D

Acq: 14 Dec 2023 17:28

Tgt Ion:128 Resp: 117631

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 11.2 8.8 13.2

