

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121423\
 Data File : VX039207.D
 Acq On : 14 Dec 2023 14:48
 Operator : JC/MD
 Sample : 05829-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 15 03:01:08 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)

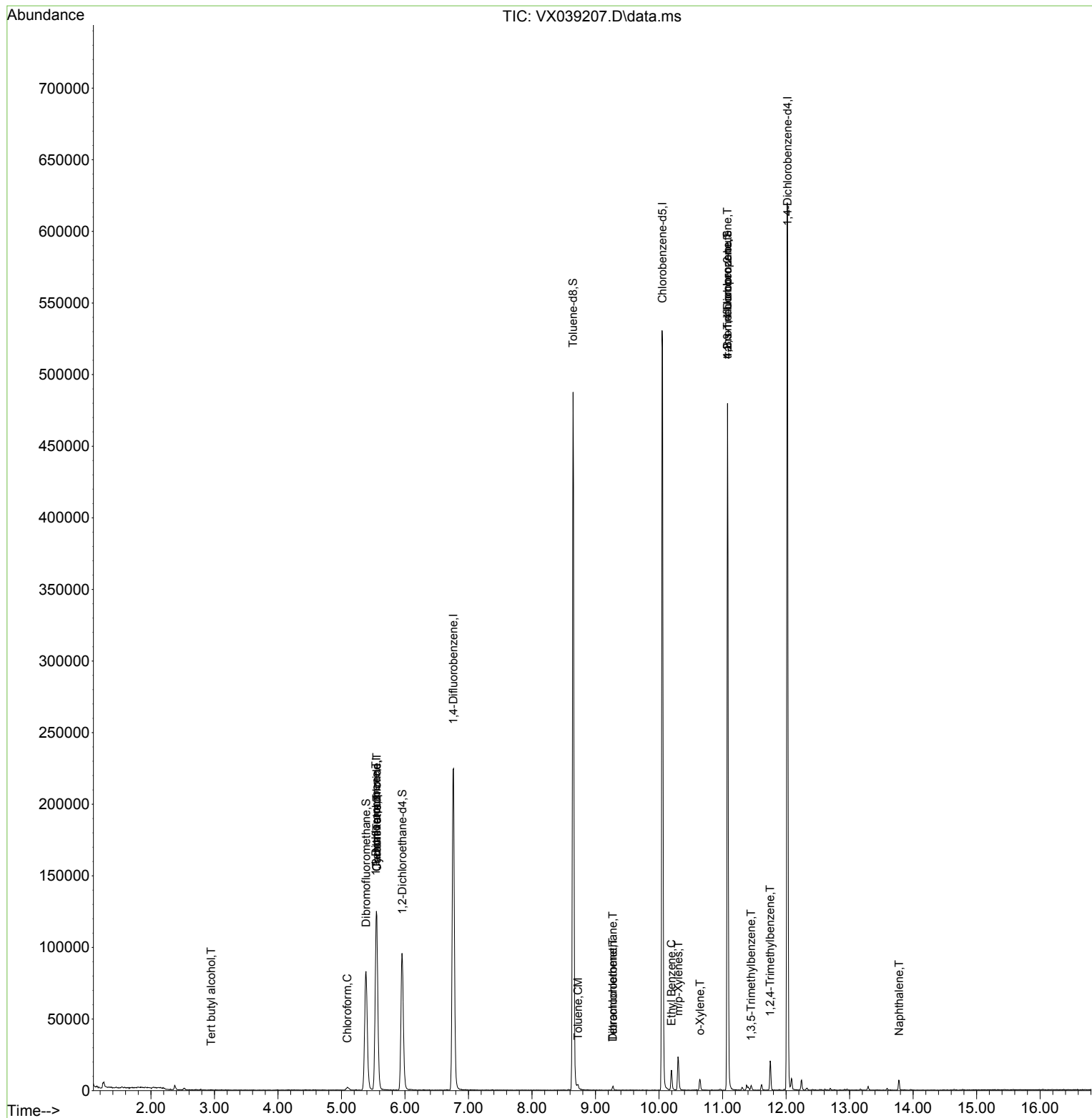
Internal Standards						
1) Pentafluorobenzene	5.550	168	106389	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	219078	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	229698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	116344	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	94472	48.473	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.940%
35) Dibromofluoromethane	5.385	113	73647	48.660	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.320%
50) Toluene-d8	8.647	98	281234	50.051	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.100%
62) 4-Bromofluorobenzene	11.079	95	129261	55.756	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	111.520%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	100	0.204	ug/l #	78
16) Acetone	2.373	43	2905	Below Cal		96
30) Chloroform	5.092	83	2432	0.853	ug/l	94
31) Cyclohexane	5.556	56	3276	1.301	ug/l #	26
36) 1,1-Dichloropropene	5.543	75	10603	4.439	ug/l #	49
38) Carbon Tetrachloride	5.556	117	12633	5.543	ug/l #	14
52) Toluene	8.726	92	1281	0.314	ug/l	94
60) Dibromochloromethane	9.275	129	418	0.243	ug/l #	11
64) Tetrachloroethene	9.275	164	388	0.258	ug/l #	77
67) Ethyl Benzene	10.195	91	8386	0.899	ug/l	96
68) m/p-Xylenes	10.305	106	5606	1.675	ug/l	95
69) o-Xylene	10.646	106	1791	0.554	ug/l	89
76) 1,2,3-Trichloropropane	11.079	75	72433	24.064	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	1730	0.226	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.079	75	72433	67.884	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.750	105	8958	1.142	ug/l	100
95) Naphthalene	13.780	128	4940	0.581	ug/l	99

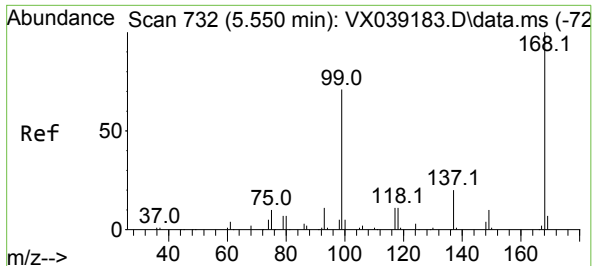
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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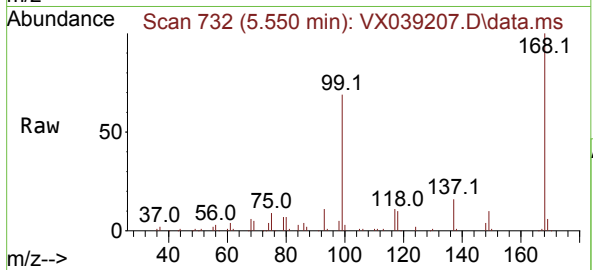
Quant Time: Dec 15 03:01:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 01:28:15 2023
Response via : Initial Calibration



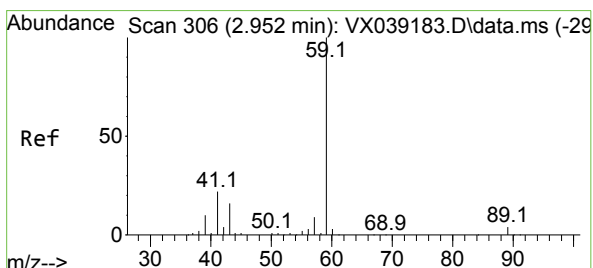
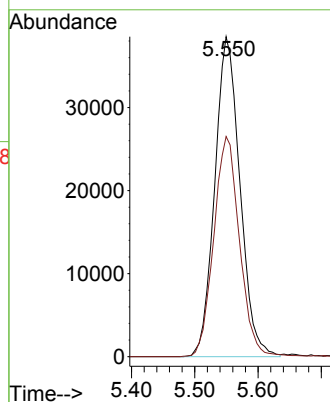
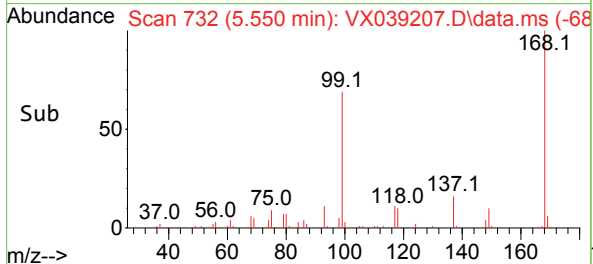


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039207.D
Acq: 14 Dec 2023 14:48

Instrument :
MSVOA_X
ClientSampleId :

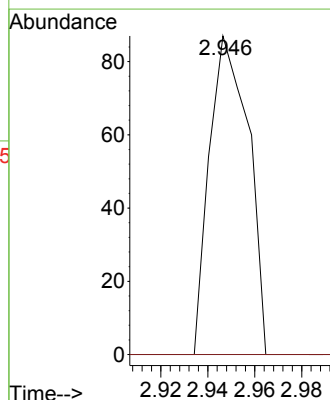
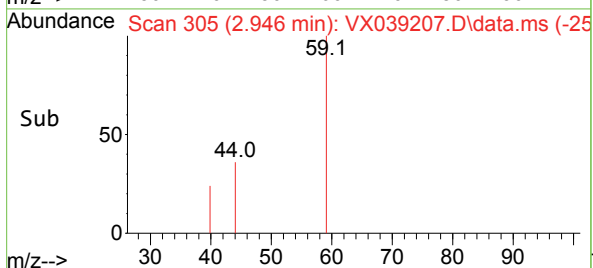
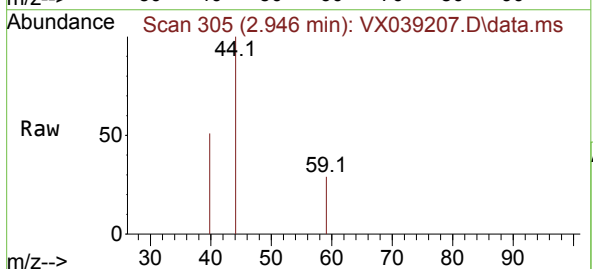


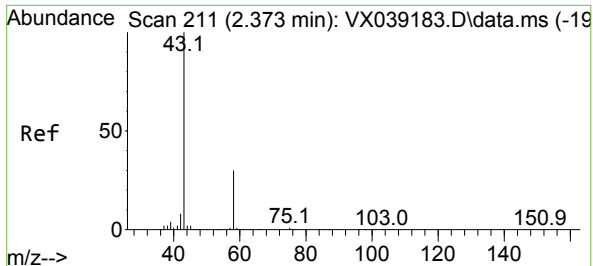
Tgt Ion:168 Resp: 106389
Ion Ratio Lower Upper
168 100
99 68.8 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.204 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX039207.D
Acq: 14 Dec 2023 14:48

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

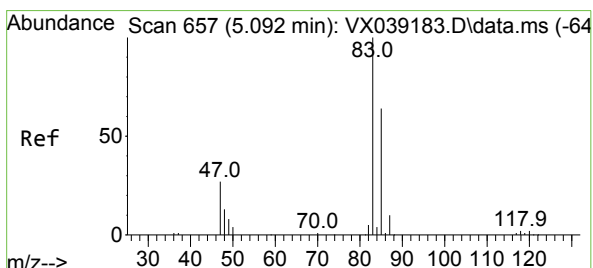
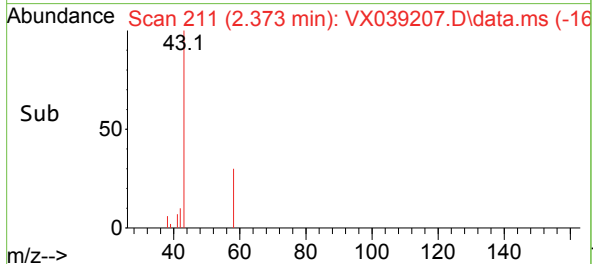
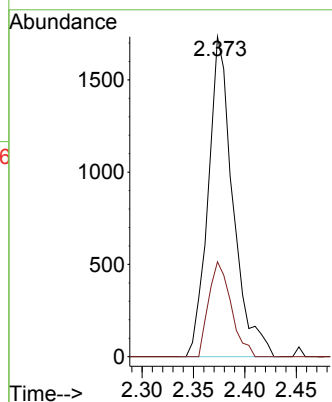
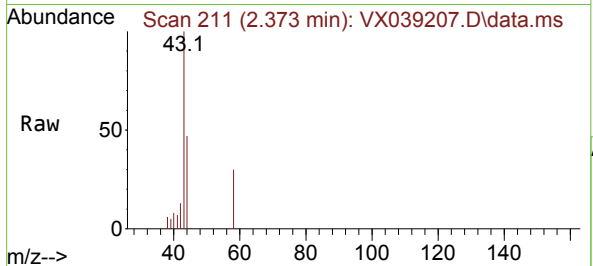




#16
Acetone
Concen: Below Cal
RT: 2.373 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX039207.D
Acq: 14 Dec 2023 14:48

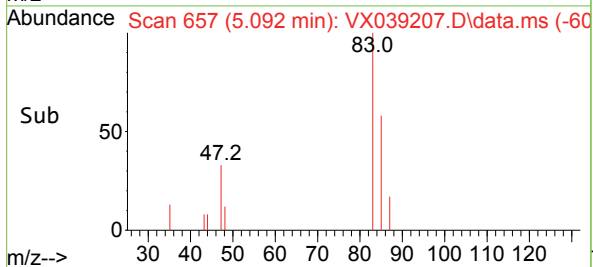
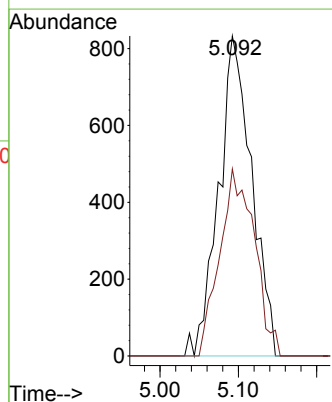
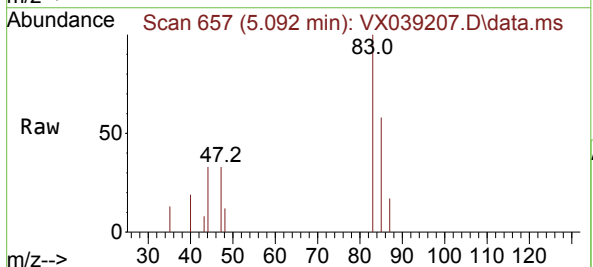
Instrument :
MSVOA_X
ClientSampleId :

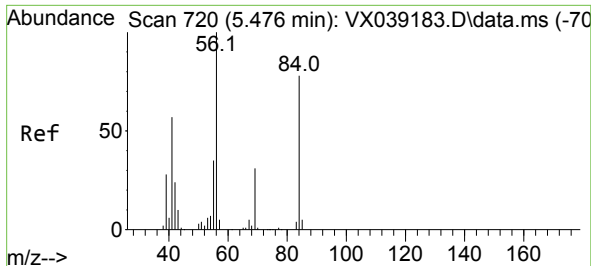
Tgt Ion: 43 Resp: 2905
Ion Ratio Lower Upper
43 100
58 29.6 21.9 32.9



#30
Chloroform
Concen: 0.853 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.000 min
Lab File: VX039207.D
Acq: 14 Dec 2023 14:48

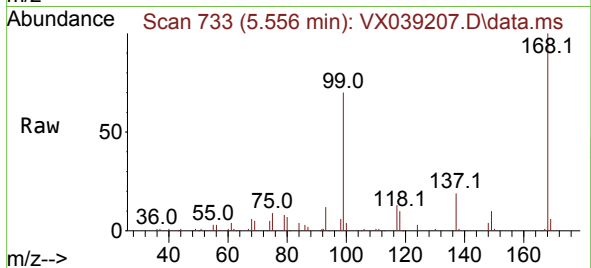
Tgt Ion: 83 Resp: 2432
Ion Ratio Lower Upper
83 100
85 58.5 50.3 75.5



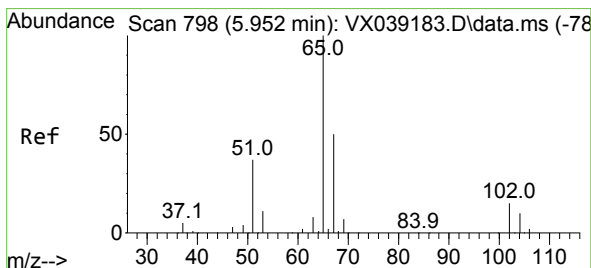
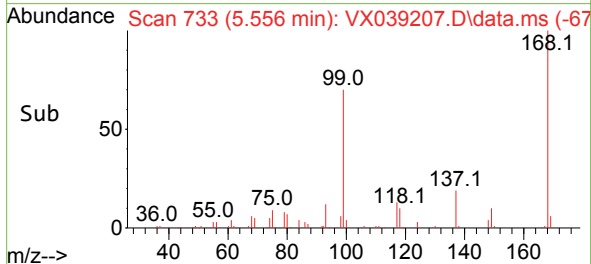
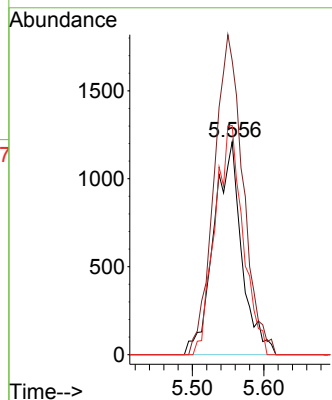


#31
Cyclohexane
Concen: 1.301 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX039207.D
Acq: 14 Dec 2023 14:48

Instrument :
MSVOA_X
ClientSampleId :

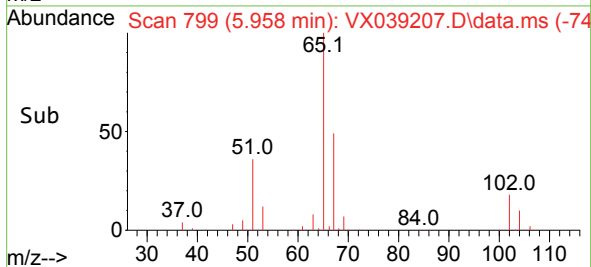
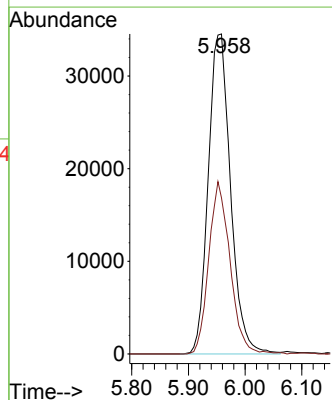
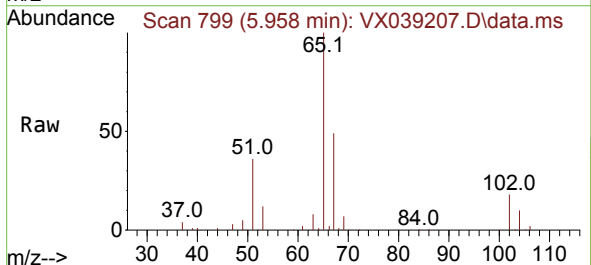


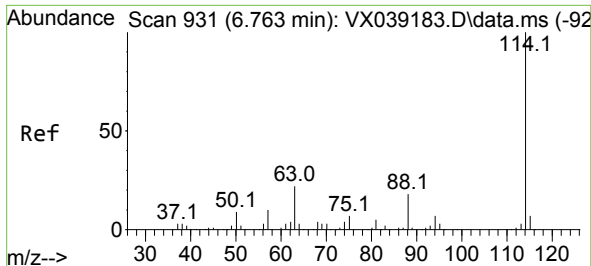
Tgt Ion: 56 Resp: 3276
Ion Ratio Lower Upper
56 100
69 138.1 23.4 35.2#
84 107.6 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 48.473 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX039207.D
Acq: 14 Dec 2023 14:48

Tgt Ion: 65 Resp: 94472
Ion Ratio Lower Upper
65 100
67 51.4 0.0 100.2

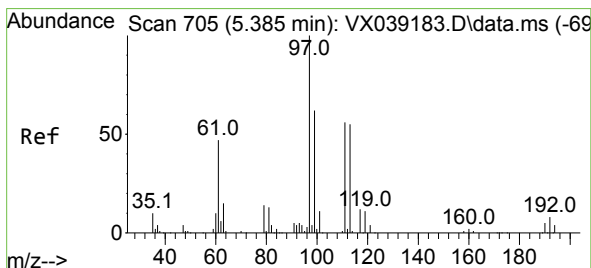
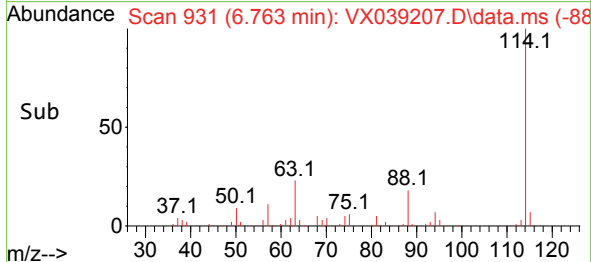
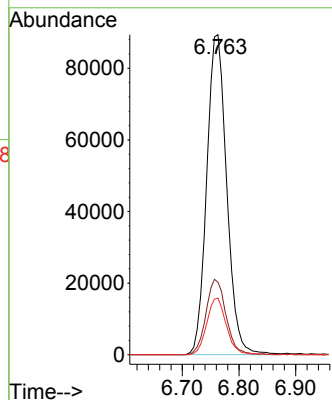
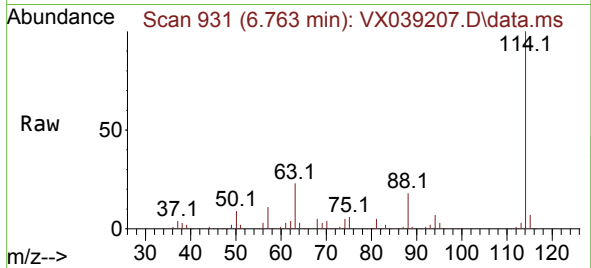




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX039207.D
Acq: 14 Dec 2023 14:48

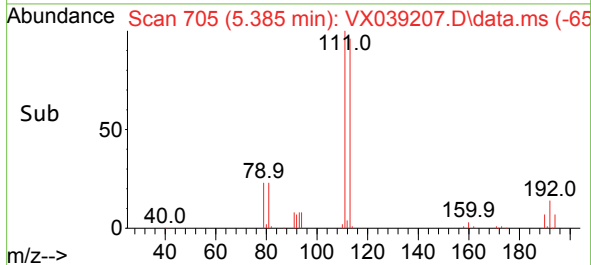
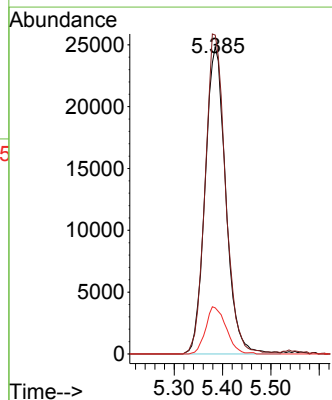
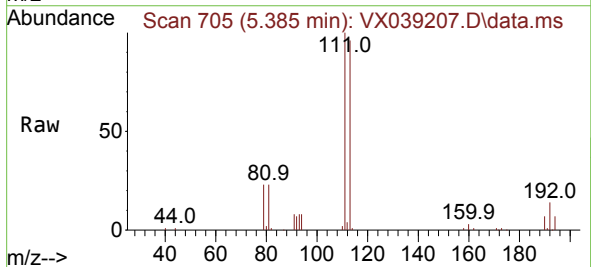
Instrument :
MSVOA_X
ClientSampleId :

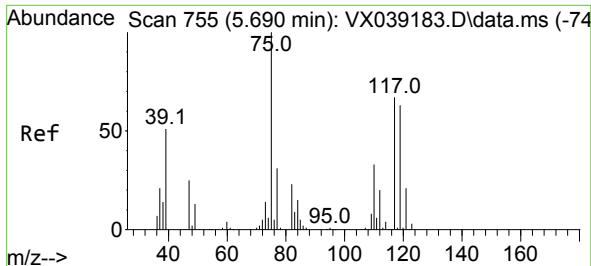
Tgt Ion:114 Resp: 219078
Ion Ratio Lower Upper
114 100
63 22.7 0.0 45.0
88 17.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.660 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039207.D
Acq: 14 Dec 2023 14:48

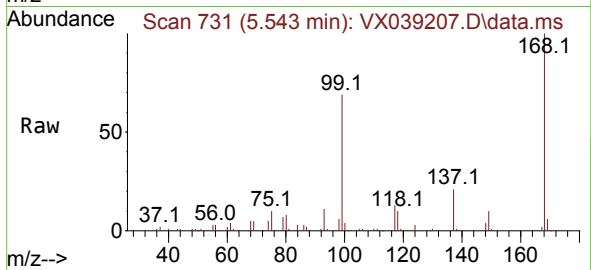
Tgt Ion:113 Resp: 73647
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 15.3 13.3 19.9



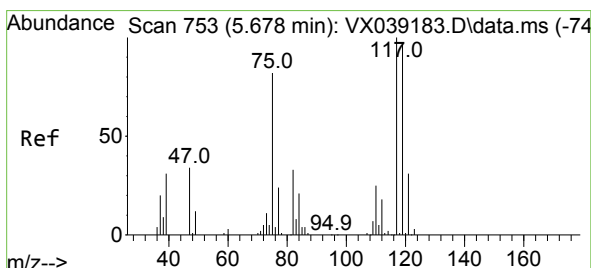
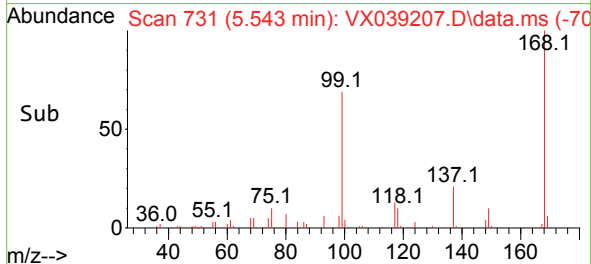
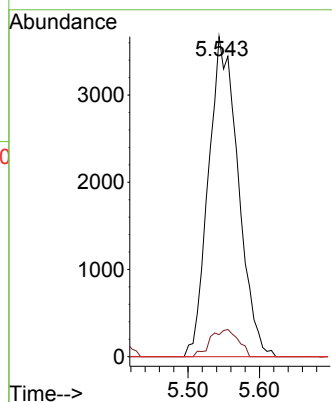


#36
1,1-Dichloropropene
Concen: 4.439 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX039207.D
Acq: 14 Dec 2023 14:48

Instrument :
MSVOA_X
ClientSampleId :

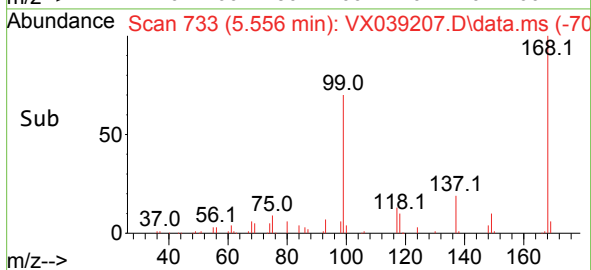
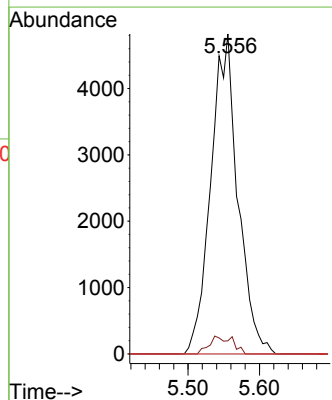
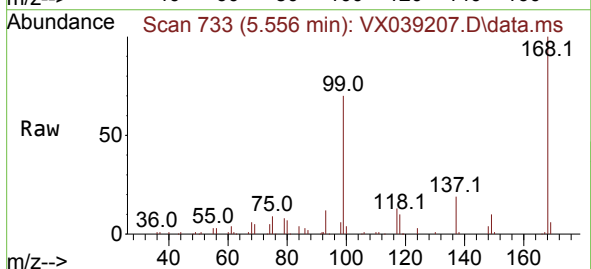


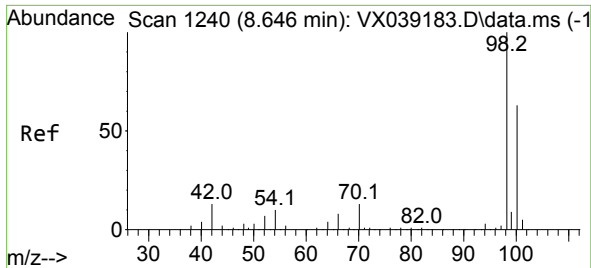
Tgt Ion: 75 Resp: 10603
Ion Ratio Lower Upper
75 100
110 8.0 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.543 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX039207.D
Acq: 14 Dec 2023 14:48

Tgt Ion: 117 Resp: 12633
Ion Ratio Lower Upper
117 100
119 4.1 78.2 117.2#
121 0.0 24.4 36.6#

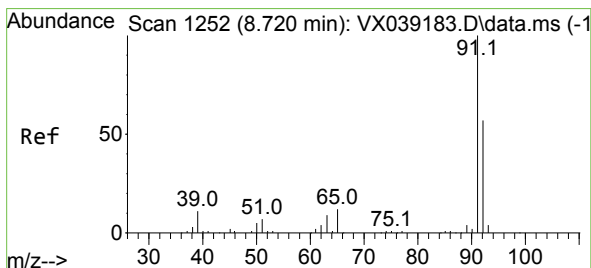
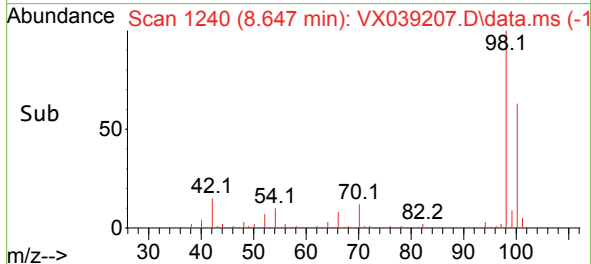
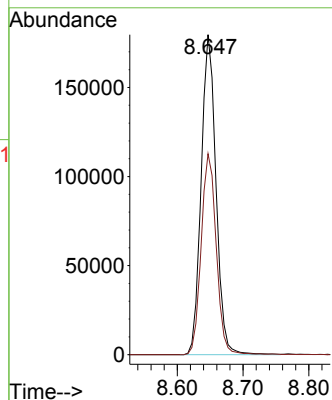
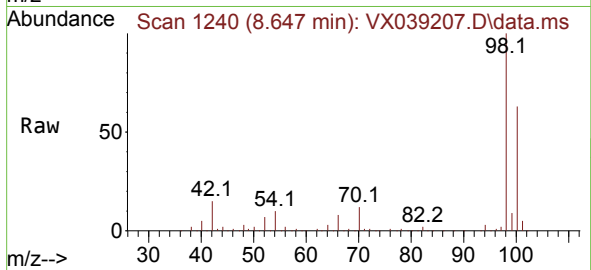




#50
Toluene-d8
Concen: 50.051 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039207.D
Acq: 14 Dec 2023 14:48

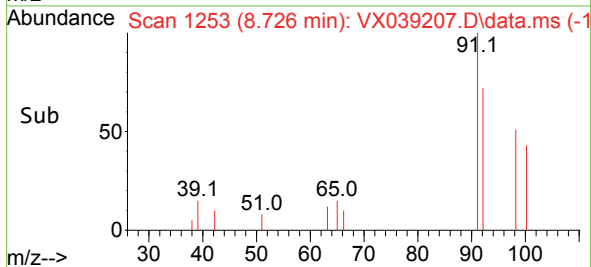
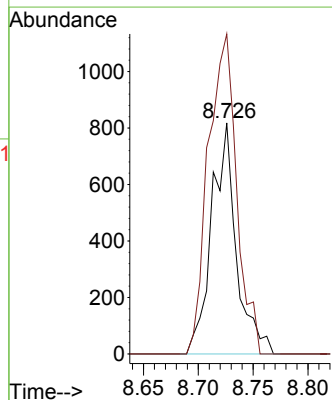
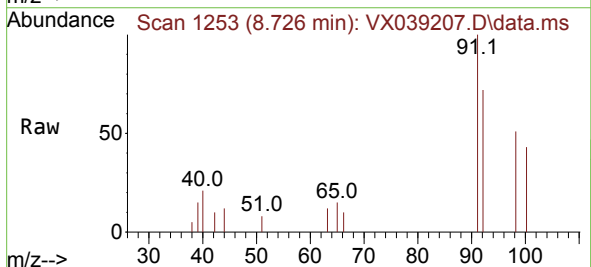
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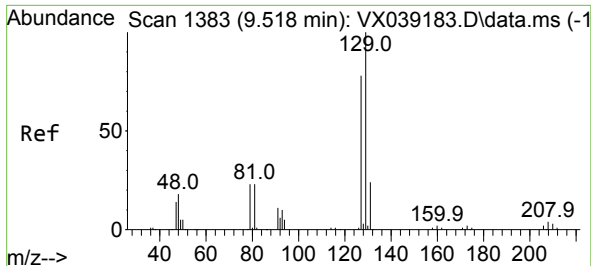
Tgt Ion: 98 Resp: 281234
Ion Ratio Lower Upper
98 100
100 63.8 53.1 79.7



#52
Toluene
Concen: 0.314 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX039207.D
Acq: 14 Dec 2023 14:48

Tgt Ion: 92 Resp: 1281
Ion Ratio Lower Upper
92 100
91 159.1 134.2 201.2

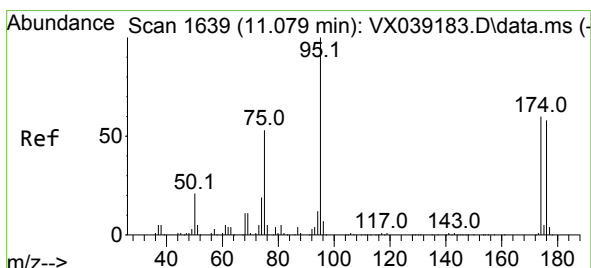
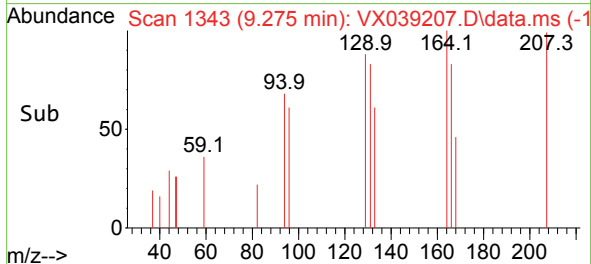
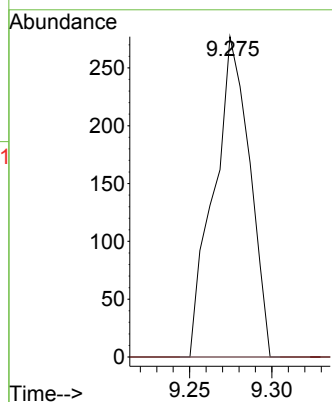
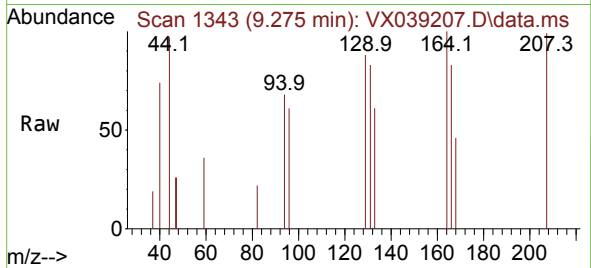




#60
Dibromochloromethane
Concen: 0.243 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX039207.D
Acq: 14 Dec 2023 14:48

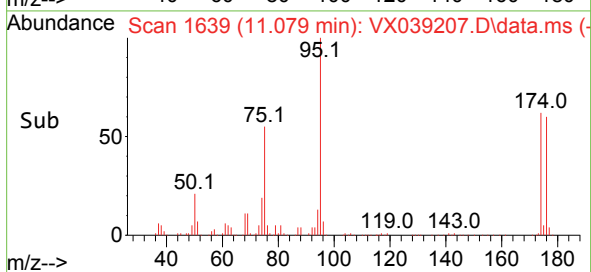
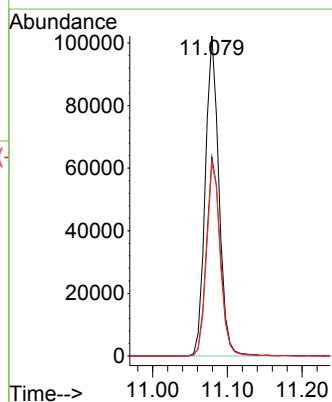
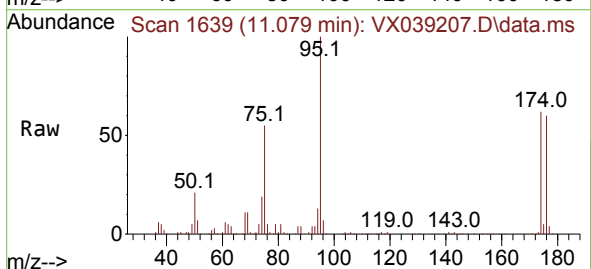
Instrument :
MSVOA_X
ClientSampleId :

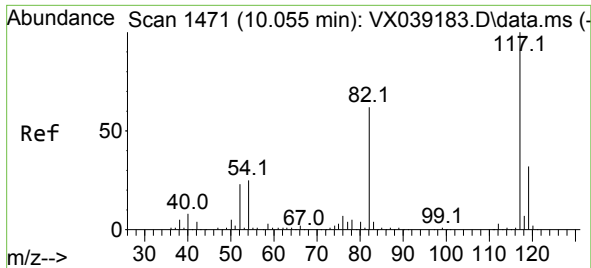
Tgt Ion:129 Resp: 418
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 55.756 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039207.D
Acq: 14 Dec 2023 14:48

Tgt Ion: 95 Resp: 129261
Ion Ratio Lower Upper
95 100
174 63.6 0.0 135.6
176 60.5 0.0 131.0

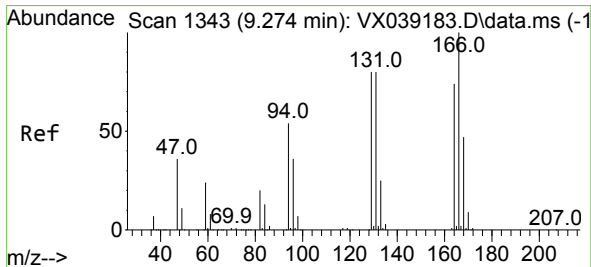
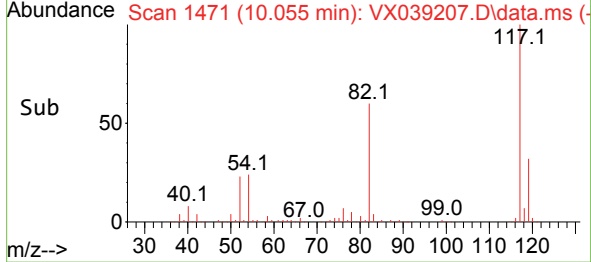
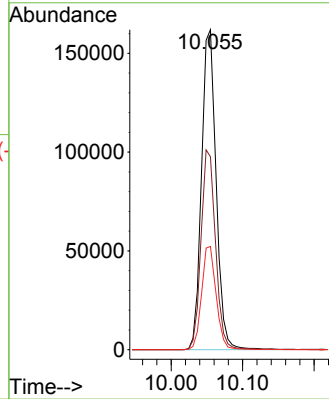
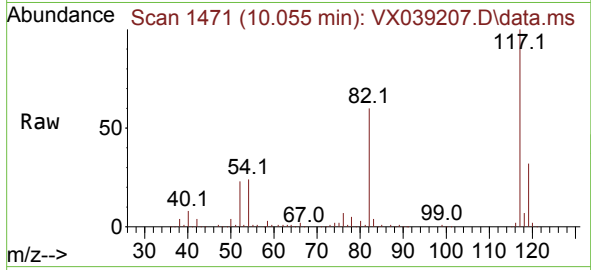




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039207.D
Acq: 14 Dec 2023 14:48

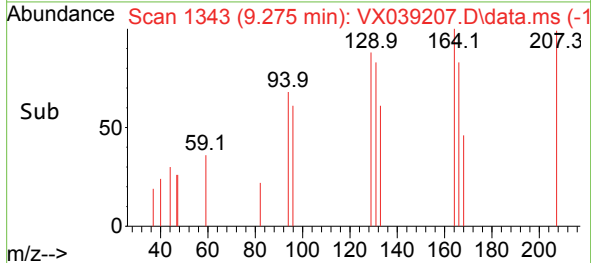
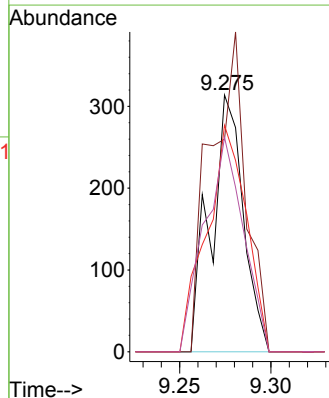
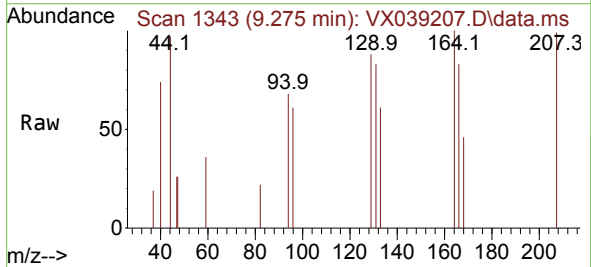
Instrument :
MSVOA_X
ClientSampleId :

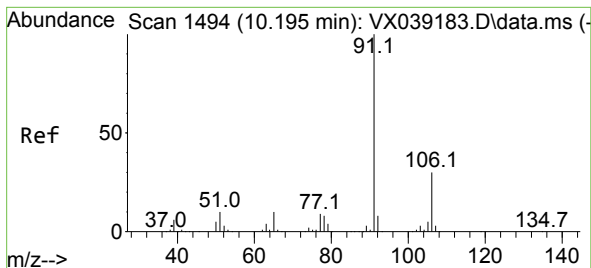
Tgt Ion:117 Resp: 229698
Ion Ratio Lower Upper
117 100
82 60.3 46.2 69.4
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 0.258 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX039207.D
Acq: 14 Dec 2023 14:48

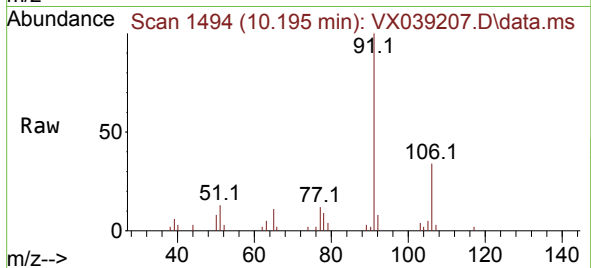
Tgt Ion:164 Resp: 388
Ion Ratio Lower Upper
164 100
166 82.8 102.7 154.1#
129 88.2 80.4 120.6
131 83.4 76.5 114.7



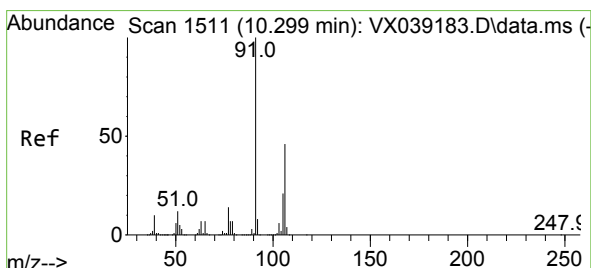
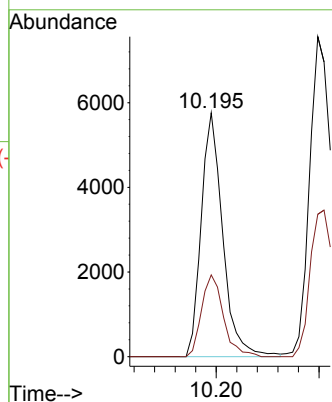
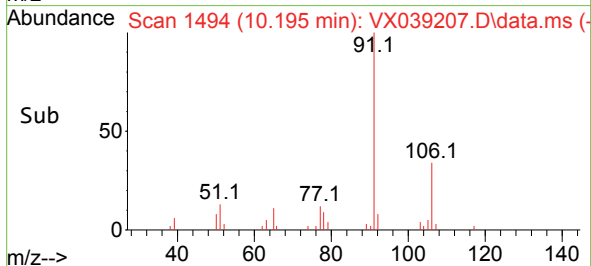


#67
Ethyl Benzene
Concen: 0.899 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX039207.D
Acq: 14 Dec 2023 14:48

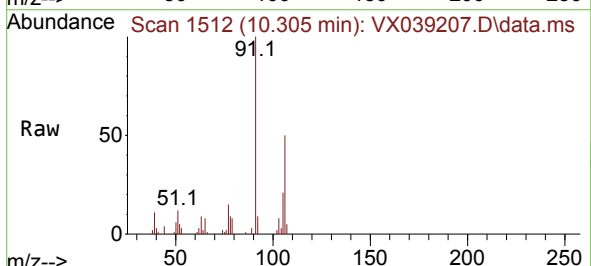
Instrument :
MSVOA_X
ClientSampleId :



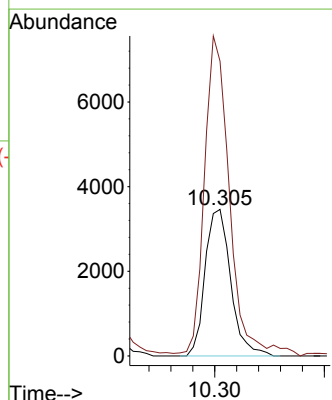
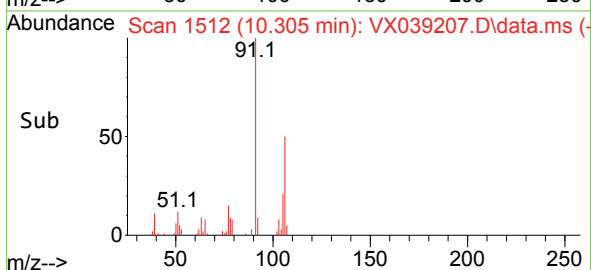
Tgt Ion: 91 Resp: 8386
Ion Ratio Lower Upper
91 100
106 33.5 24.9 37.3

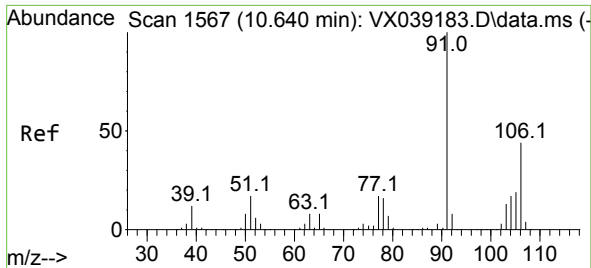


#68
m/p-Xylenes
Concen: 1.675 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX039207.D
Acq: 14 Dec 2023 14:48



Tgt Ion: 106 Resp: 5606
Ion Ratio Lower Upper
106 100
91 214.5 165.5 248.3

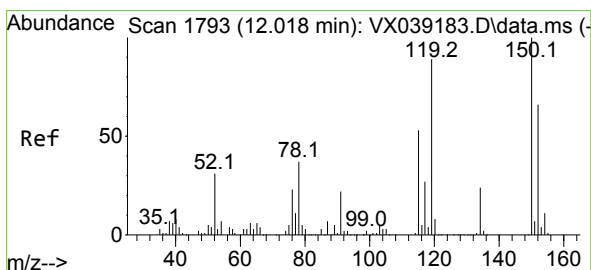
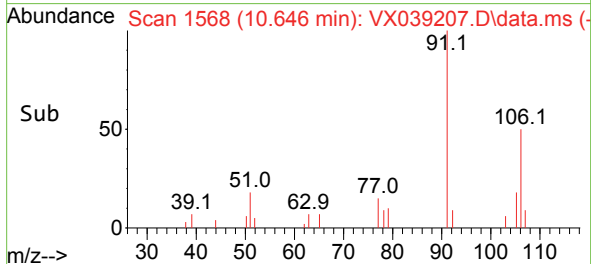
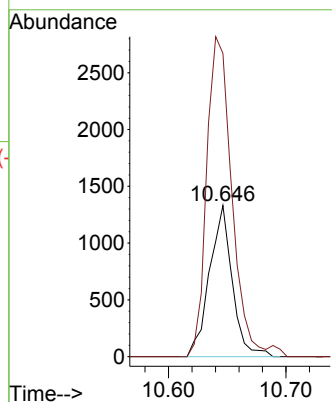
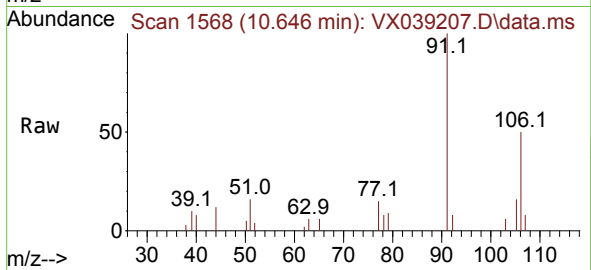




#69
o-Xylene
Concen: 0.554 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX039207.D
Acq: 14 Dec 2023 14:48

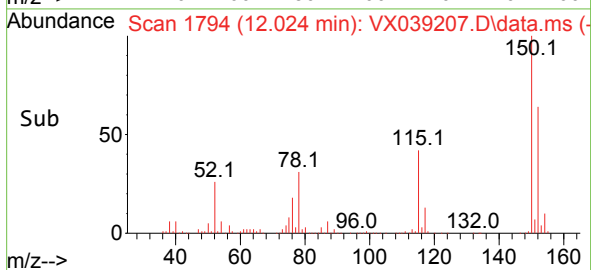
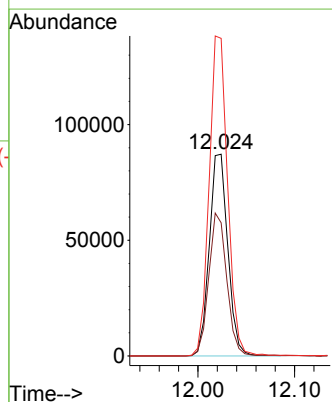
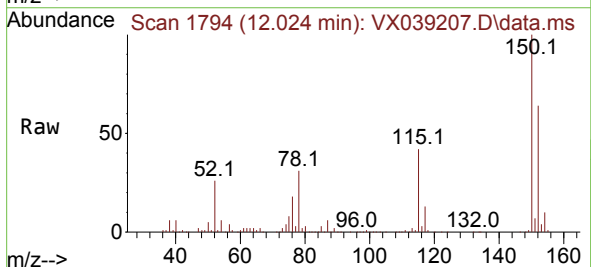
Instrument :
MSVOA_X
ClientSampleId :

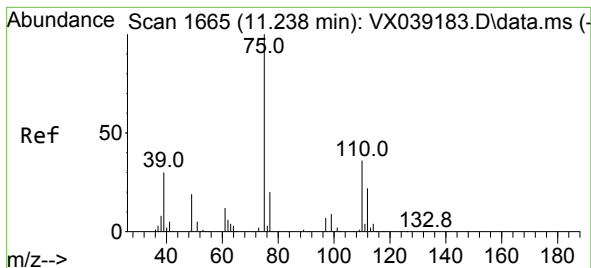
Tgt Ion:106 Resp: 1791
Ion Ratio Lower Upper
106 100
91 234.8 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX039207.D
Acq: 14 Dec 2023 14:48

Tgt Ion:152 Resp: 116344
Ion Ratio Lower Upper
152 100
115 68.9 43.3 129.9
150 158.0 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 24.064 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX039207.D

Acq: 14 Dec 2023 14:48

Instrument :

MSVOA_X

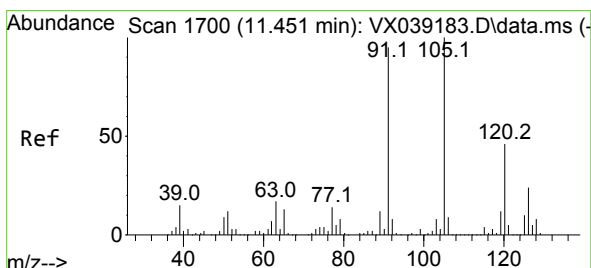
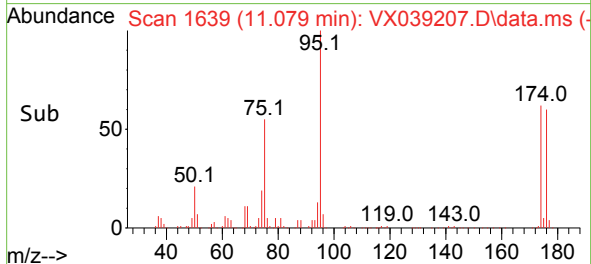
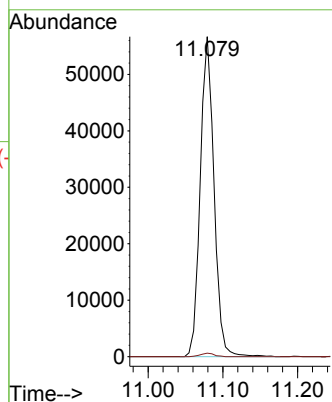
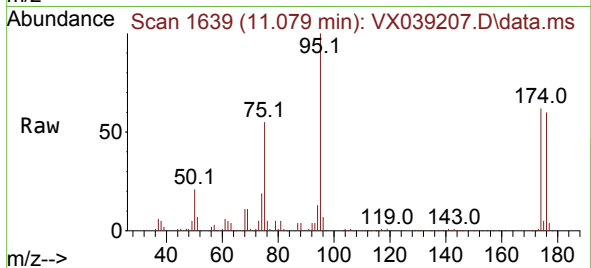
ClientSampleId :

Tgt Ion: 75 Resp: 72433

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#80

1,3,5-Trimethylbenzene

Concen: 0.226 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX039207.D

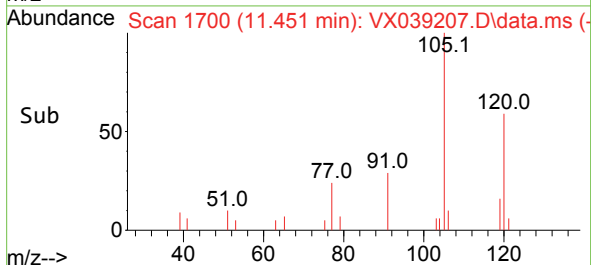
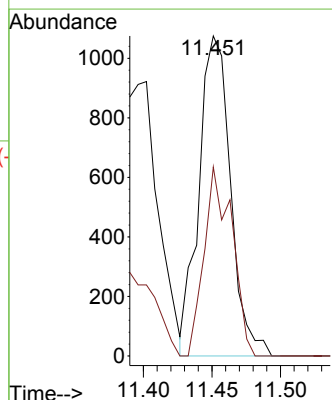
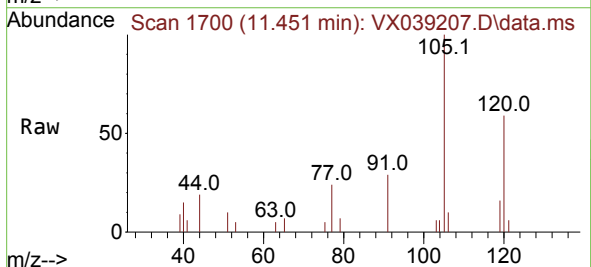
Acq: 14 Dec 2023 14:48

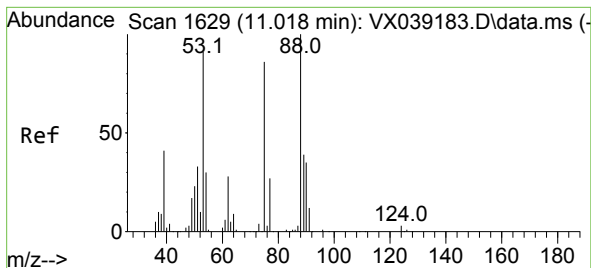
Tgt Ion:105 Resp: 1730

Ion Ratio Lower Upper

105 100

120 52.1 24.1 72.3

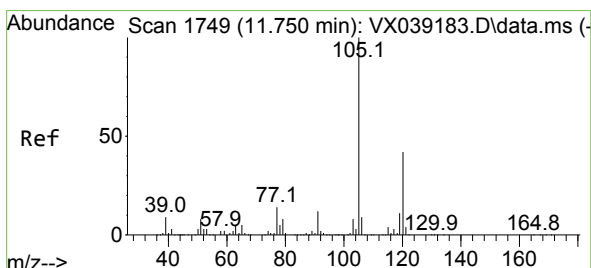
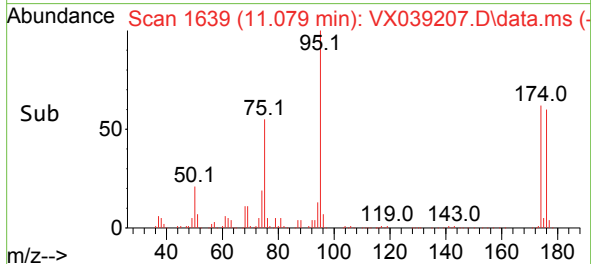
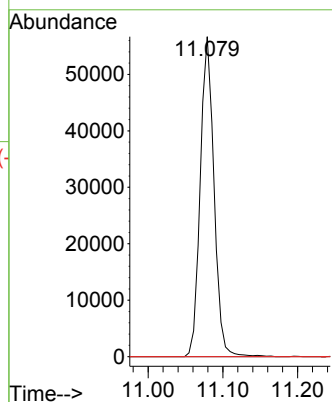
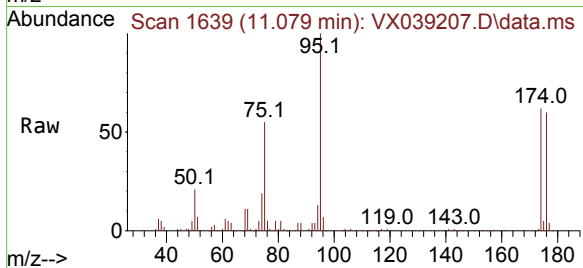




#81
trans-1,4-Dichloro-2-butene
Concen: 67.884 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX039207.D
Acq: 14 Dec 2023 14:48

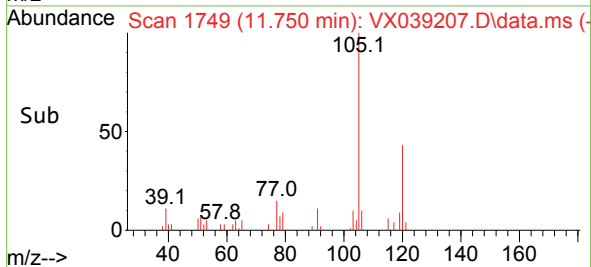
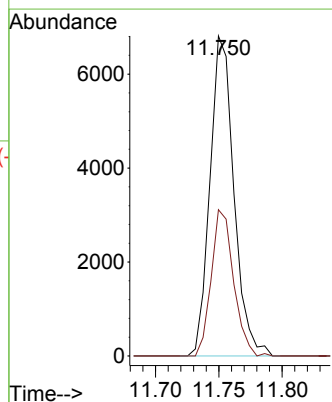
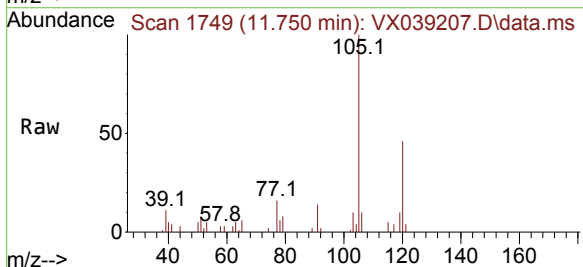
Instrument :
MSVOA_X
ClientSampleId :

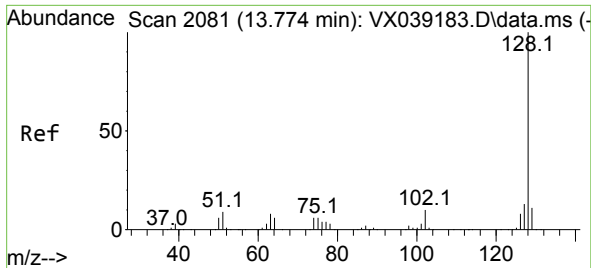
Tgt Ion: 75 Resp: 72433
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 1.142 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX039207.D
Acq: 14 Dec 2023 14:48

Tgt Ion: 105 Resp: 8958
Ion Ratio Lower Upper
105 100
120 42.6 21.2 63.6





#95

Naphthalene

Concen: 0.581 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

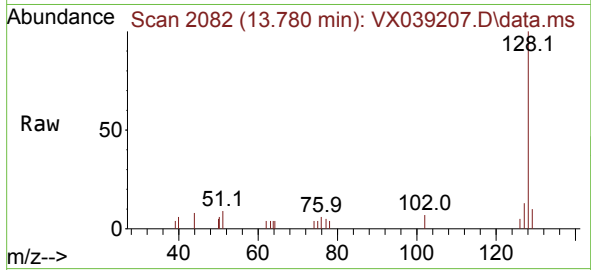
Lab File: VX039207.D

Acq: 14 Dec 2023 14:48

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 4940

Ion Ratio Lower Upper

128 100

127 12.1 10.3 15.5

129 10.9 8.8 13.2

