

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021224\
 Data File : VX040206.D
 Acq On : 12 Feb 2024 17:46
 Operator : JC/MD
 Sample : P1372-05DL 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CG-MW-17-ch4DL

Quant Time: Feb 12 18:28:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

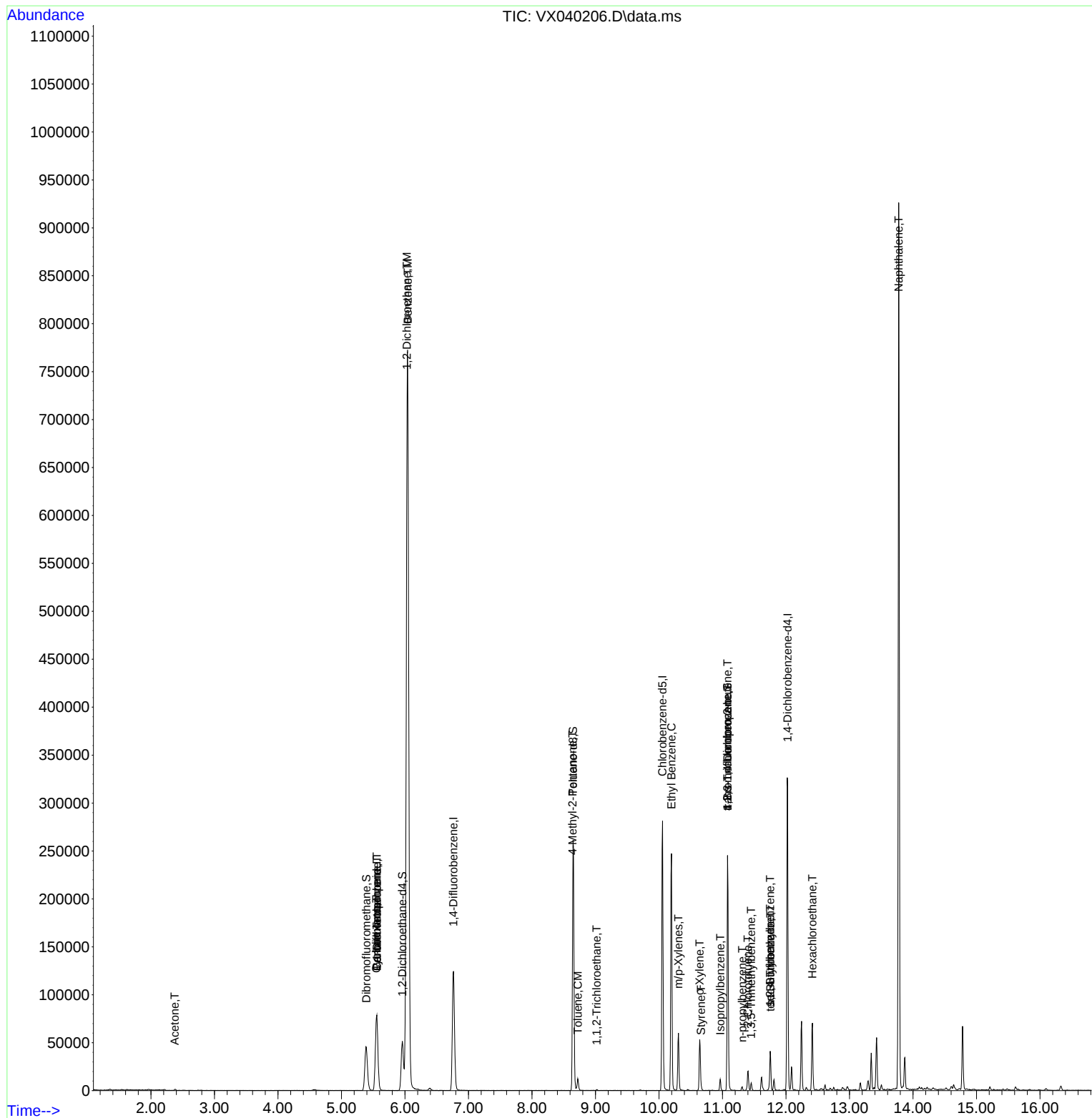
Internal Standards						
1) Pentafluorobenzene	5.556	168	73770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	127254	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	124247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	65167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	49601	45.195	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.400%		
35) Dibromofluoromethane	5.391	113	40091	45.113	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.220%		
50) Toluene-d8	8.647	98	155212	46.691	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.380%		
62) 4-Bromofluorobenzene	11.079	95	64021	47.221	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.440%		
Target Compounds						
					Qvalue	
16) Acetone	2.374	43	1462	3.244	ug/l #	81
20) Methylene Chloride	2.794	84	91	Below Cal	#	31
31) Cyclohexane	5.550	56	1626	1.242	ug/l #	17
36) 1,1-Dichloropropene	5.556	75	6118	4.915	ug/l #	46
38) Carbon Tetrachloride	5.556	117	7597	6.418	ug/l #	15
40) Benzene	6.044	78	935094	268.609	ug/l	97
42) 1,2-Dichloroethane	6.032	62	8231	6.049	ug/l #	77
51) 4-Methyl-2-Pentanone	8.641	43	824	0.558	ug/l #	1
52) Toluene	8.720	92	4322	1.895	ug/l	91
55) 1,1,2-Trichloroethane	9.019	97	701	0.721	ug/l #	17
67) Ethyl Benzene	10.195	91	144911	31.378	ug/l	98
68) m/p-Xylenes	10.305	106	13530	7.757	ug/l	99
69) o-Xylene	10.640	106	11544	6.811	ug/l	99
70) Styrene	10.659	104	2321	0.824	ug/l #	28
73) Isopropylbenzene	10.964	105	6113	1.332	ug/l	100
76) 1,2,3-Trichloropropane	11.079	75	33363	25.282	ug/l #	38
78) n-propylbenzene	11.311	91	2863	0.515	ug/l	96
79) 2-Chlorotoluene	11.396	91	1619	0.482	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.451	105	3927	1.016	ug/l	87
81) trans-1,4-Dichloro-2-b...	11.079	75	33363	69.503	ug/l #	5
83) tert-Butylbenzene	11.756	119	2284	0.603	ug/l #	53
84) 1,2,4-Trimethylbenzene	11.750	105	17408	4.453	ug/l	95
85) sec-Butylbenzene	11.750	105	17408	3.575	ug/l #	57
90) Hexachloroethane	12.415	117	2664	4.232	ug/l #	17
95) Naphthalene	13.774	128	533929	118.752	ug/l	100

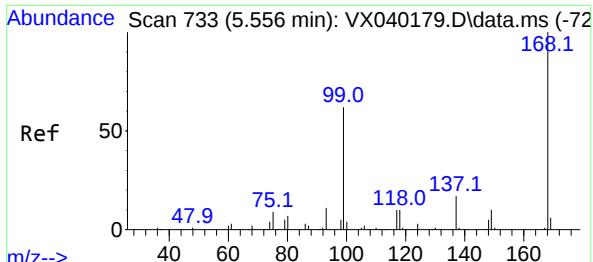
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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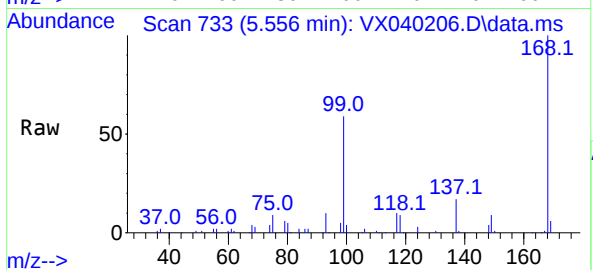
Quant Time: Feb 12 18:28:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 12 00:21:14 2024
Response via : Initial Calibration



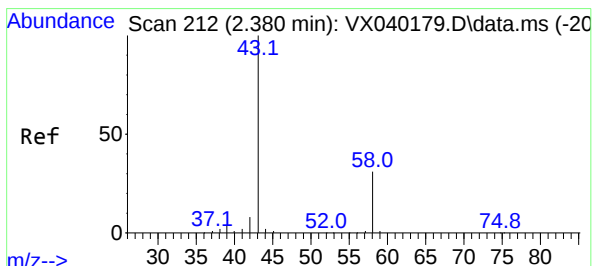
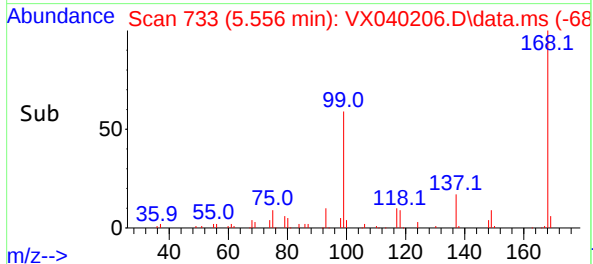
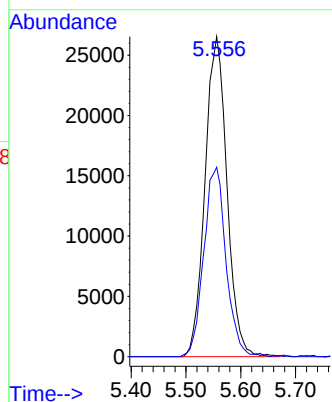


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040206.D
Acq: 12 Feb 2024 17:46

Instrument :
MSVOA_X
ClientSampleId :
CG-MW-17-ch4DL

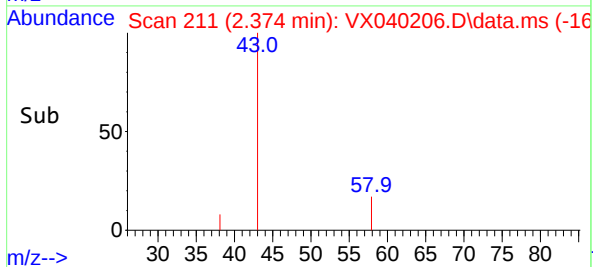
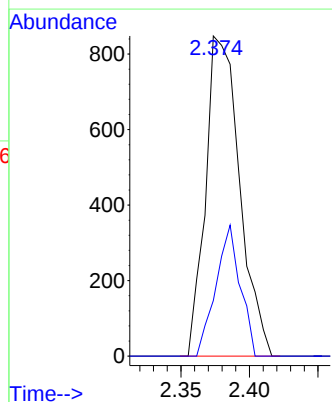
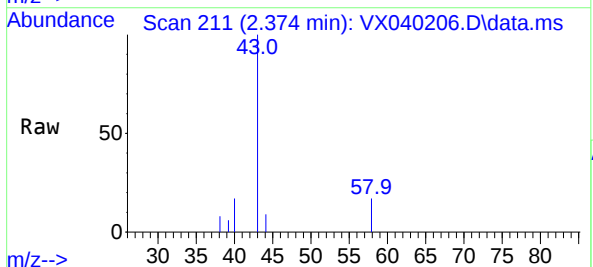


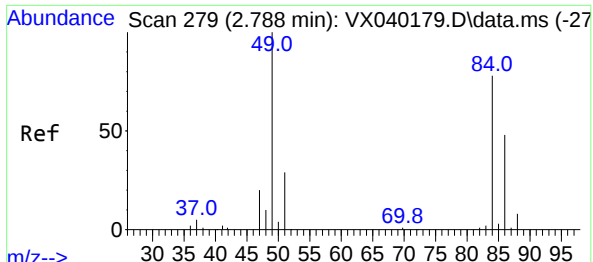
Tgt Ion:168 Resp: 73770
Ion Ratio Lower Upper
168 100
99 59.2 56.6 85.0



#16
Acetone
Concen: 3.244 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX040206.D
Acq: 12 Feb 2024 17:46

Tgt Ion: 43 Resp: 1462
Ion Ratio Lower Upper
43 100
58 17.3 21.9 32.9#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX040206.D

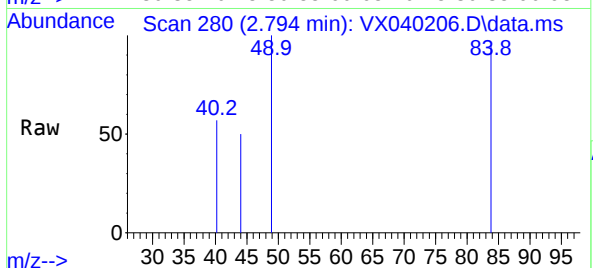
Acq: 12 Feb 2024 17:46

Instrument :

MSVOA_X

ClientSampleId :

CG-MW-17-ch4DL



Tgt Ion: 84 Resp: 91

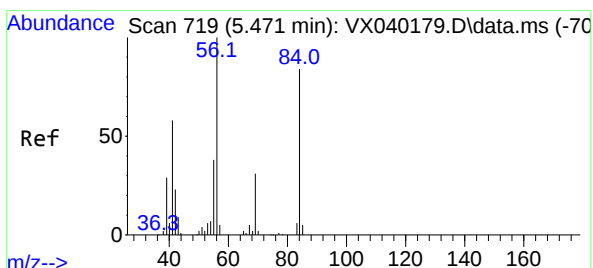
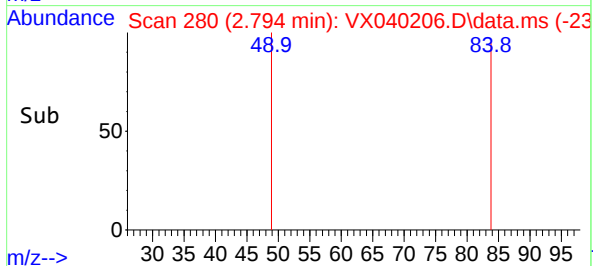
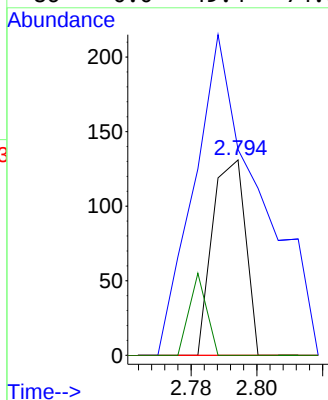
Ion Ratio Lower Upper

84 100

49 55.0 103.6 155.4#

51 0.0 33.8 50.6#

86 0.0 49.4 74.0#



#31

Cyclohexane

Concen: 1.242 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX040206.D

Acq: 12 Feb 2024 17:46

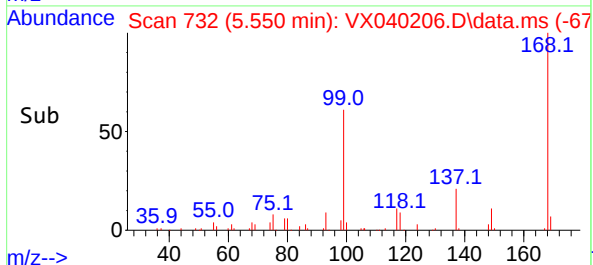
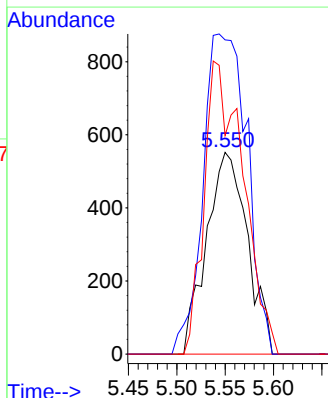
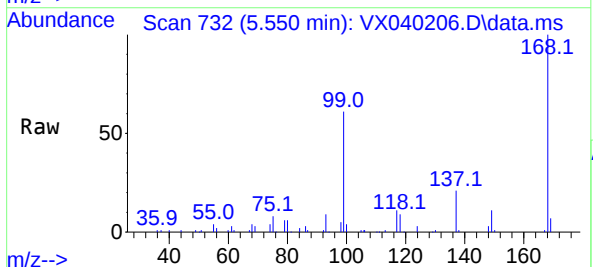
Tgt Ion: 56 Resp: 1626

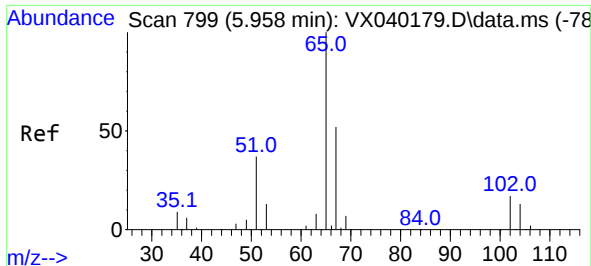
Ion Ratio Lower Upper

56 100

69 155.8 23.4 35.2#

84 108.3 65.9 98.9#

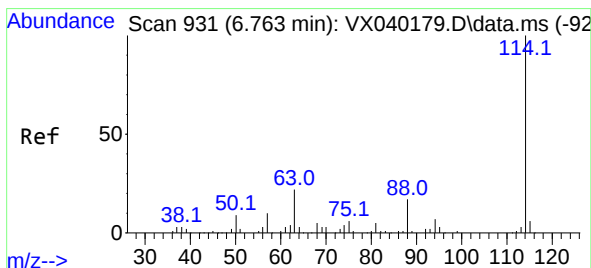
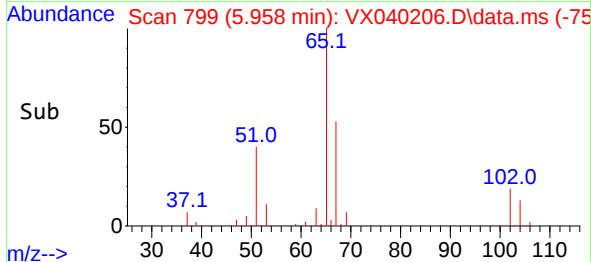
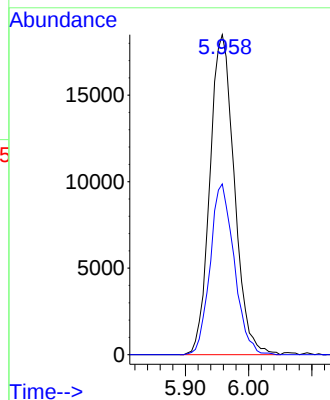
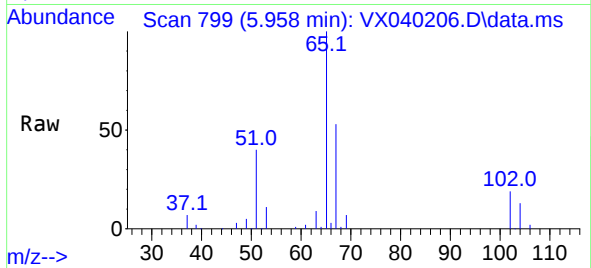




#33
1,2-Dichloroethane-d4
Concen: 45.195 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX040206.D
Acq: 12 Feb 2024 17:46

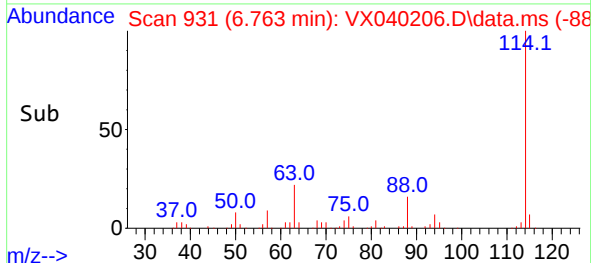
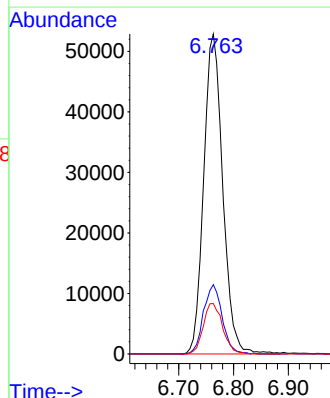
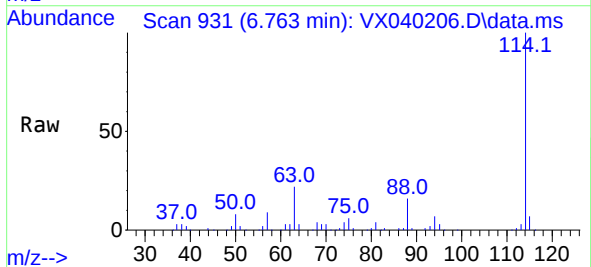
Instrument :
MSVOA_X
ClientSampleId :
CG-MW-17-ch4DL

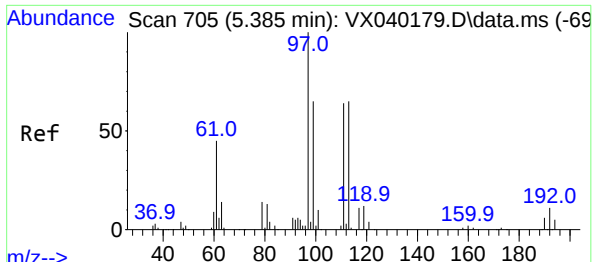
Tgt Ion: 65 Resp: 49601
Ion Ratio Lower Upper
65 100
67 52.5 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX040206.D
Acq: 12 Feb 2024 17:46

Tgt Ion: 114 Resp: 127254
Ion Ratio Lower Upper
114 100
63 21.6 0.0 45.0
88 15.8 0.0 36.6





#35

Dibromofluoromethane

Concen: 45.113 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX040206.D

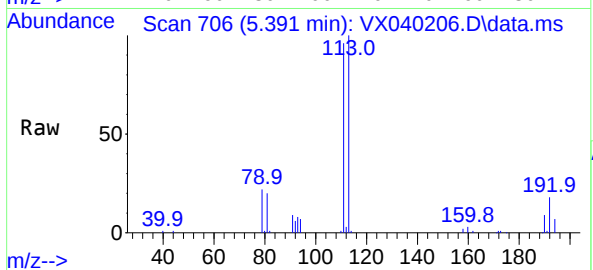
Acq: 12 Feb 2024 17:46

Instrument :

MSVOA_X

ClientSampleId :

CG-MW-17-ch4DL



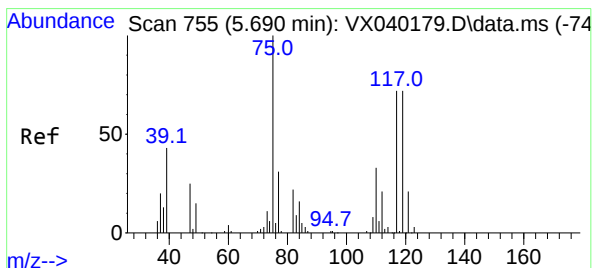
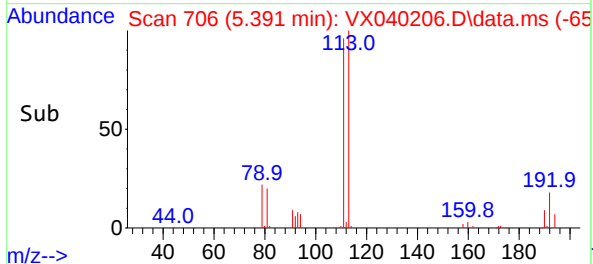
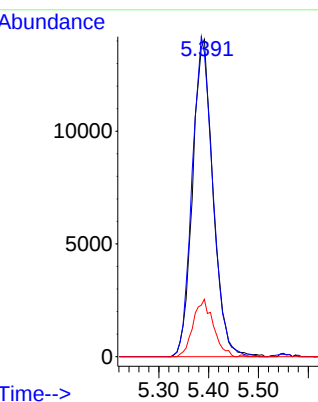
Tgt Ion:113 Resp: 40091

Ion Ratio Lower Upper

113 100

111 101.7 82.9 124.3

192 17.8 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.915 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX040206.D

Acq: 12 Feb 2024 17:46

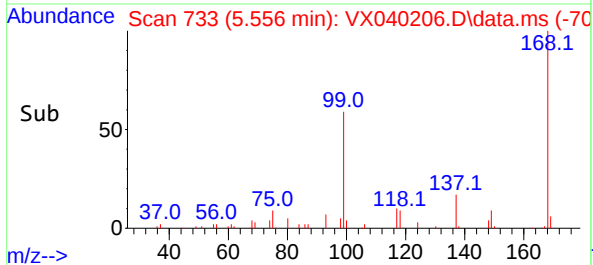
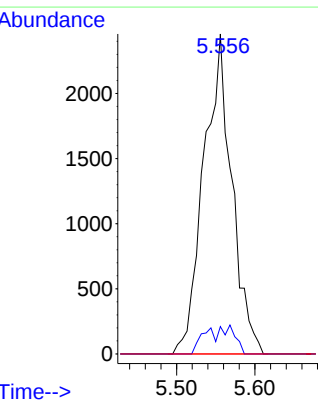
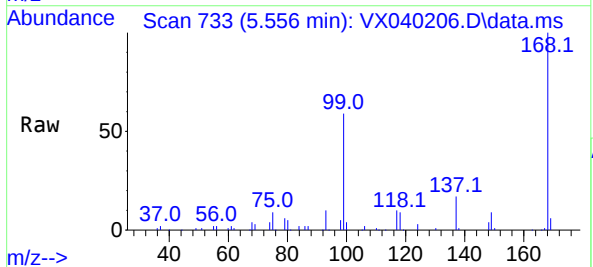
Tgt Ion: 75 Resp: 6118

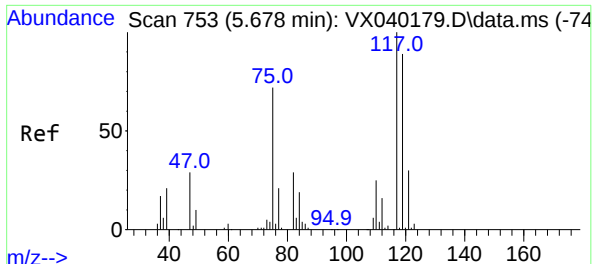
Ion Ratio Lower Upper

75 100

110 4.2 17.0 50.9#

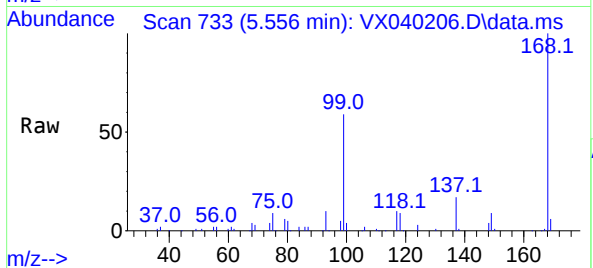
77 0.0 24.7 37.1#



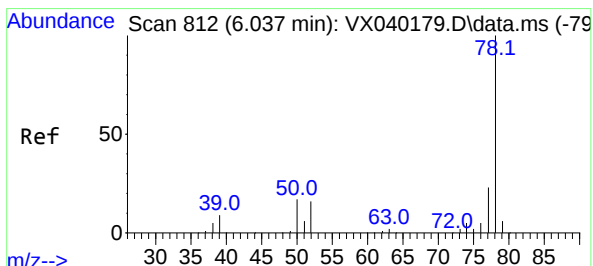
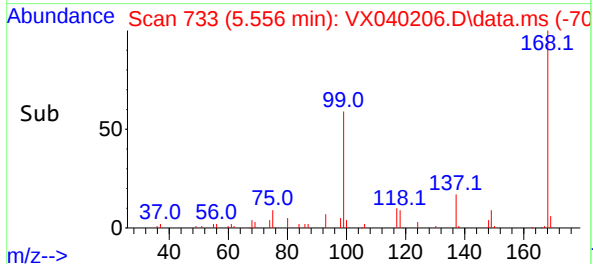
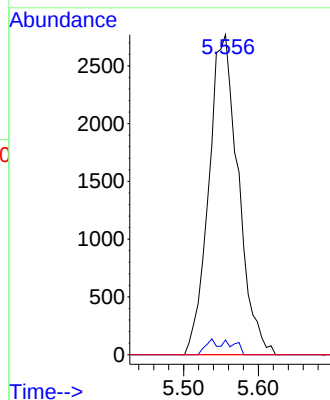


#38
Carbon Tetrachloride
Concen: 6.418 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX040206.D
Acq: 12 Feb 2024 17:46

Instrument :
MSVOA_X
ClientSampleId :
CG-MW-17-ch4DL

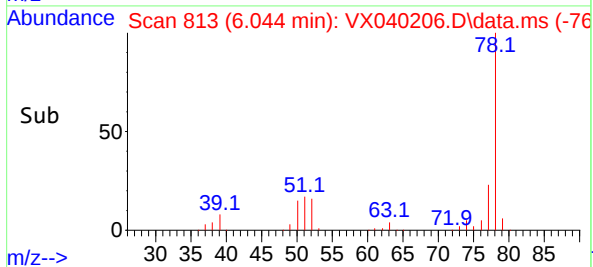
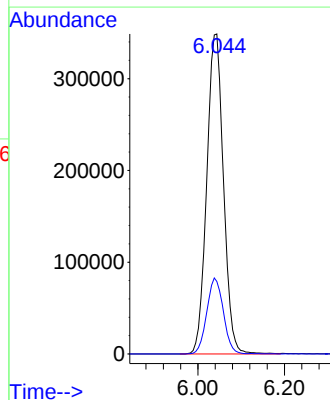
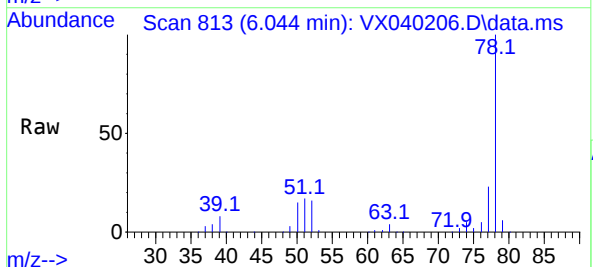


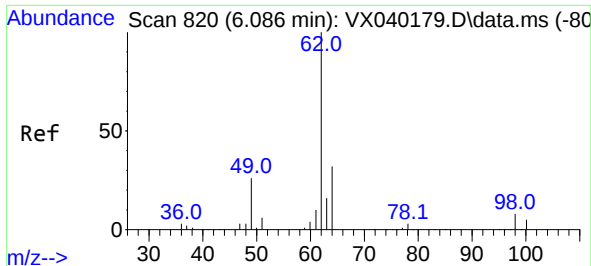
Tgt Ion:117 Resp: 7597
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 268.609 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX040206.D
Acq: 12 Feb 2024 17:46

Tgt Ion: 78 Resp: 935094
Ion Ratio Lower Upper
78 100
77 22.7 19.3 28.9





#42

1,2-Dichloroethane

Concen: 6.049 ug/l

RT: 6.032 min Scan# 81

Delta R.T. -0.055 min

Lab File: VX040206.D

Acq: 12 Feb 2024 17:46

Instrument :

MSVOA_X

ClientSampleId :

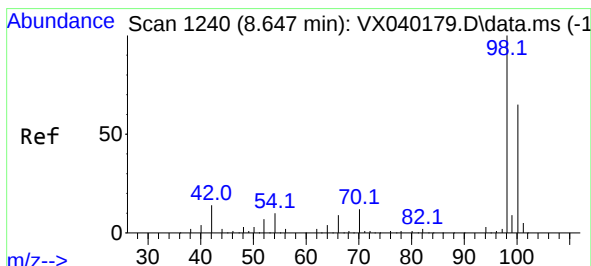
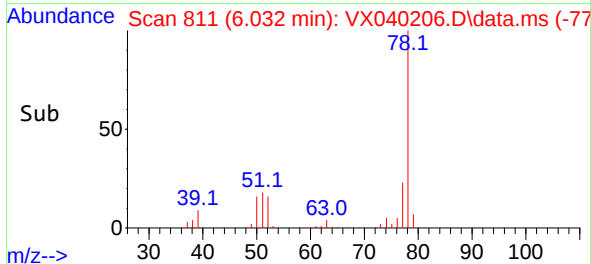
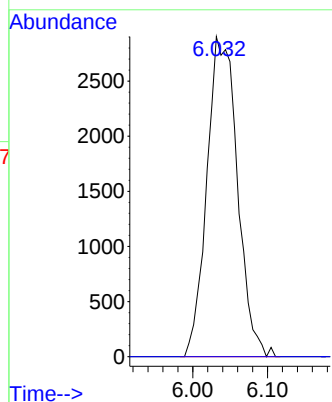
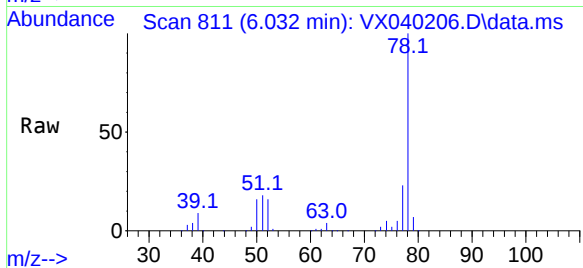
CG-MW-17-ch4DL

Tgt Ion: 62 Resp: 8231

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#50

Toluene-d8

Concen: 46.691 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX040206.D

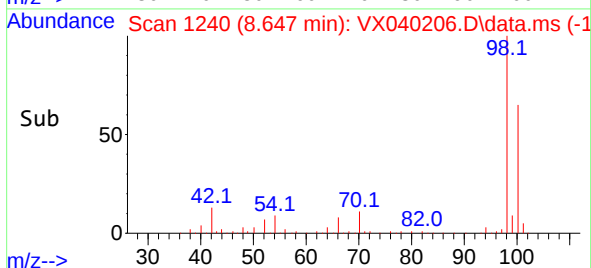
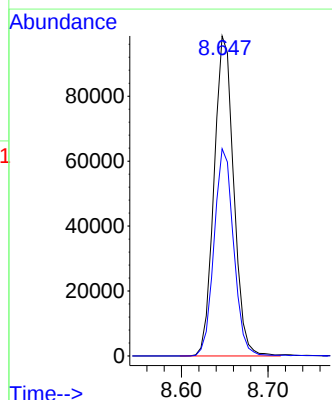
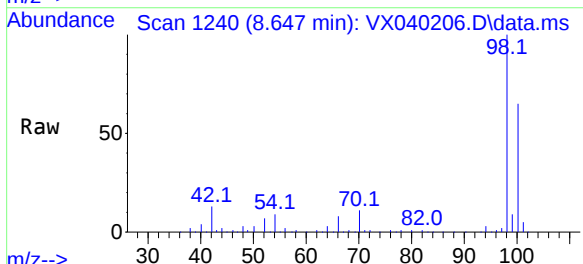
Acq: 12 Feb 2024 17:46

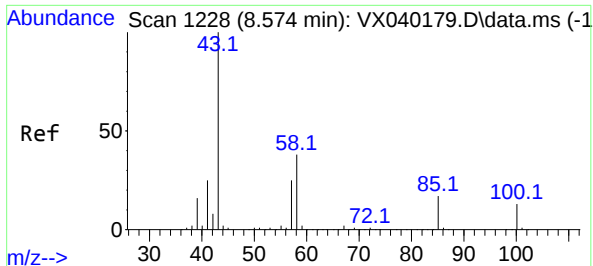
Tgt Ion: 98 Resp: 155212

Ion Ratio Lower Upper

98 100

100 64.4 53.1 79.7

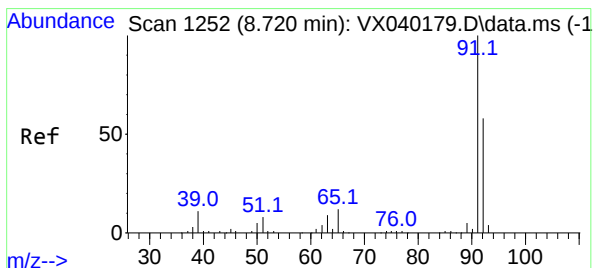
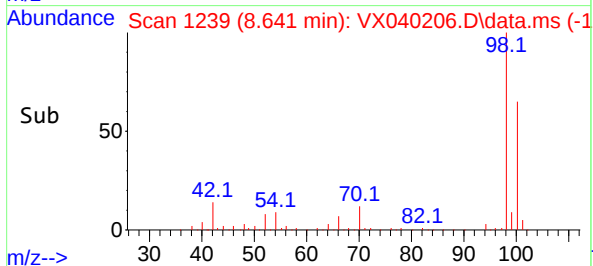
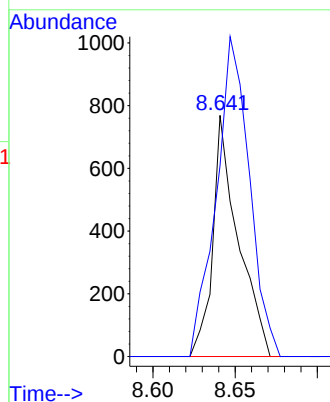
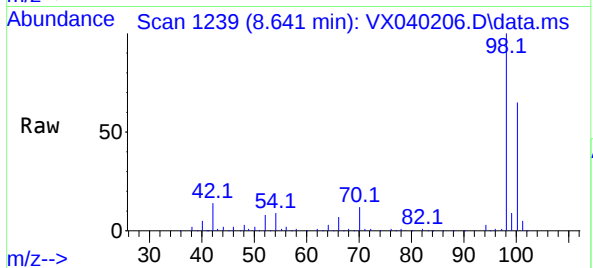




#51
4-Methyl-2-Pentanone
Concen: 0.558 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX040206.D
Acq: 12 Feb 2024 17:46

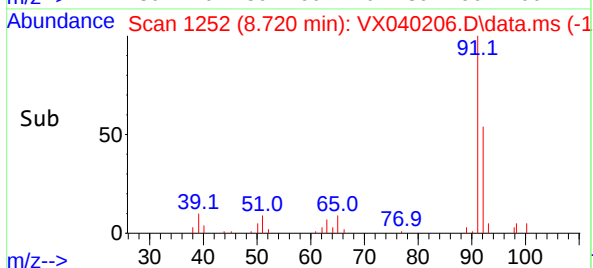
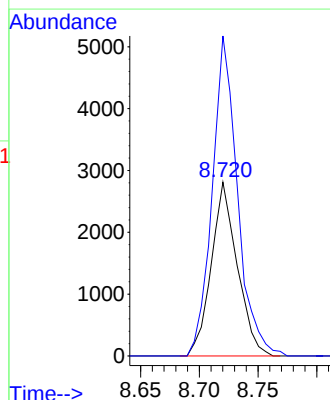
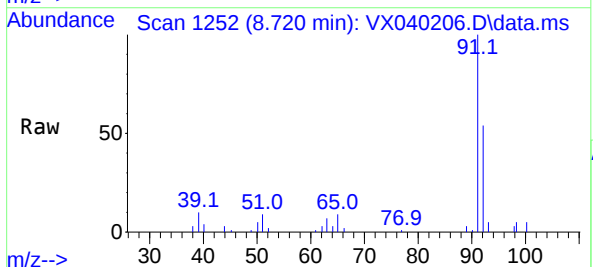
Instrument :
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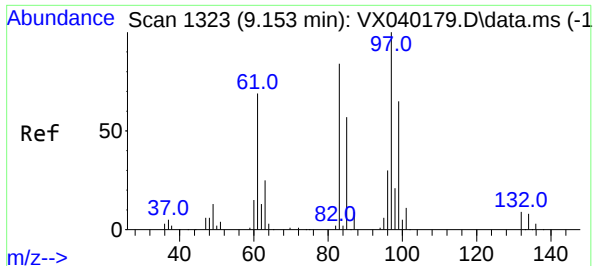
Tgt Ion: 43 Resp: 824
Ion Ratio Lower Upper
43 100
58 173.5 30.4 45.6#



#52
Toluene
Concen: 1.895 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX040206.D
Acq: 12 Feb 2024 17:46

Tgt Ion: 92 Resp: 4322
Ion Ratio Lower Upper
92 100
91 179.3 134.2 201.2



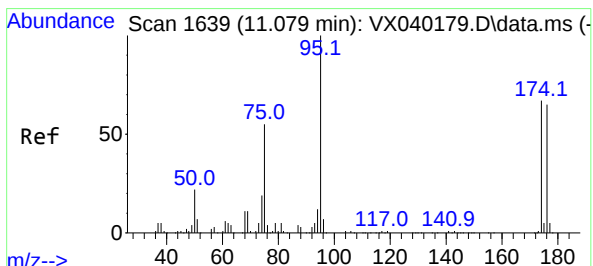
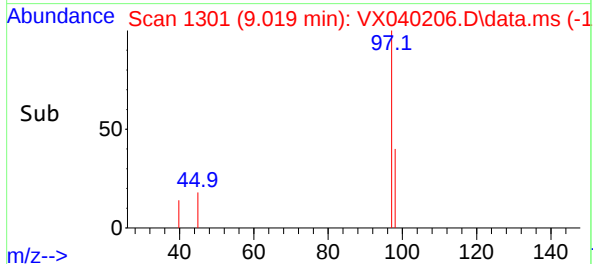
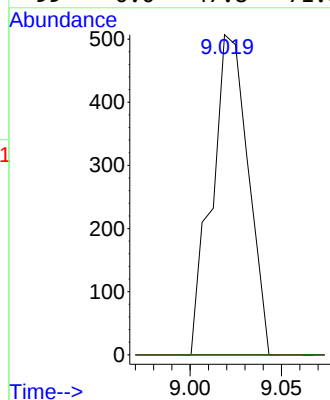
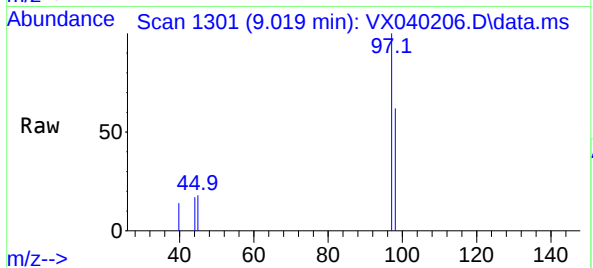


#55
1,1,2-Trichloroethane
Concen: 0.721 ug/l
RT: 9.019 min Scan# 11
Delta R.T. -0.134 min
Lab File: VX040206.D
Acq: 12 Feb 2024 17:46

Instrument :
MSVOA_X
ClientSampleId :
CG-MW-17-ch4DL

Tgt Ion: 97 Resp: 701

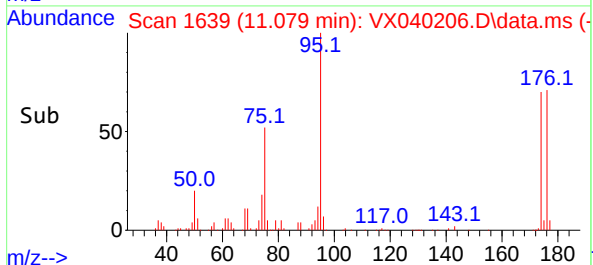
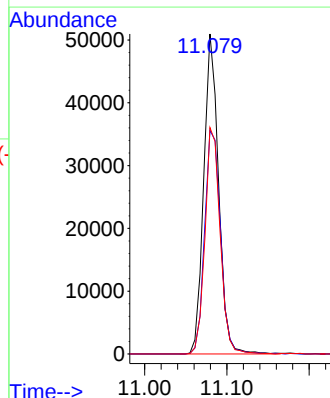
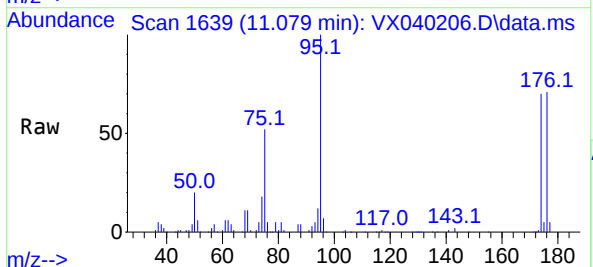
Ion	Ratio	Lower	Upper
97	100		
83	0.0	65.8	98.8#
85	0.0	41.6	62.4#
99	0.0	47.8	71.8#

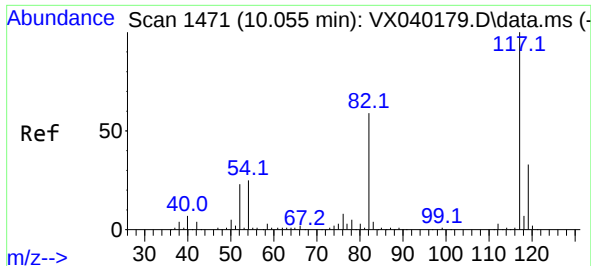


#62
4-Bromofluorobenzene
Concen: 47.221 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040206.D
Acq: 12 Feb 2024 17:46

Tgt Ion: 95 Resp: 64021

Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	135.6
176	72.4	0.0	131.0

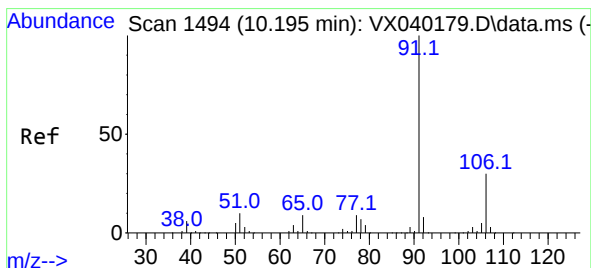
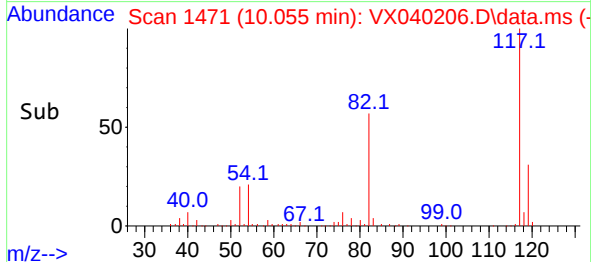
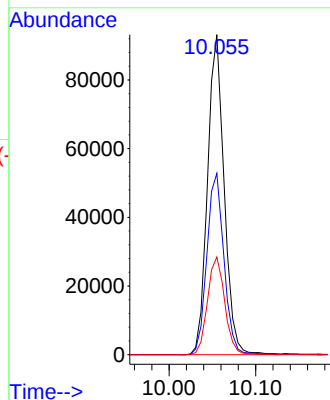
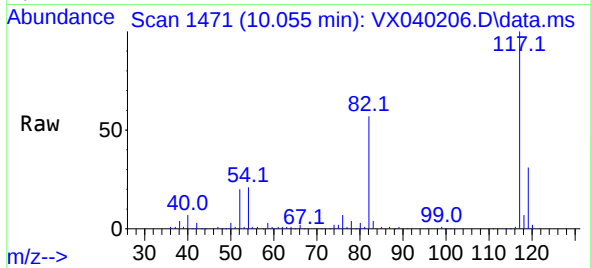




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040206.D
Acq: 12 Feb 2024 17:46

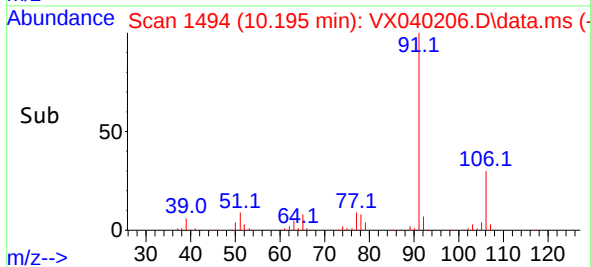
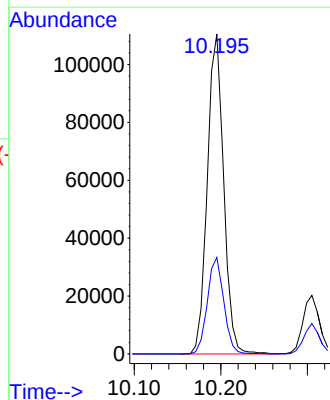
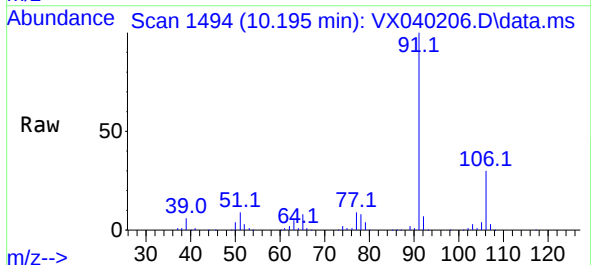
Instrument :
MSVOA_X
ClientSampleId :
CG-MW-17-ch4DL

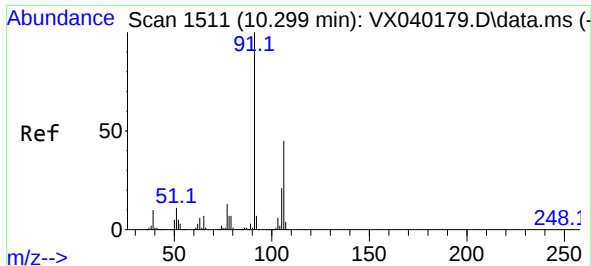
Tgt Ion:117 Resp: 124247
Ion Ratio Lower Upper
117 100
82 56.6 46.2 69.4
119 30.5 25.5 38.3



#67
Ethyl Benzene
Concen: 31.378 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX040206.D
Acq: 12 Feb 2024 17:46

Tgt Ion: 91 Resp: 144911
Ion Ratio Lower Upper
91 100
106 30.1 24.9 37.3

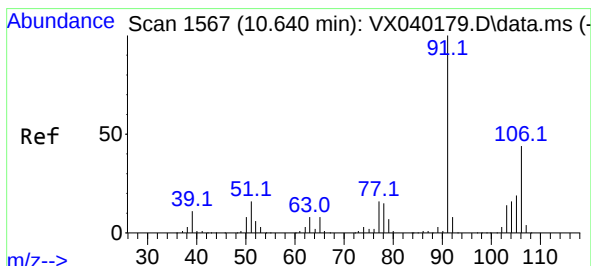
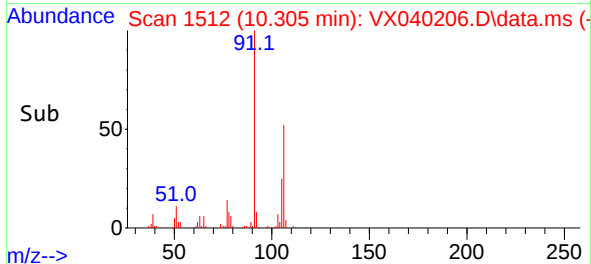
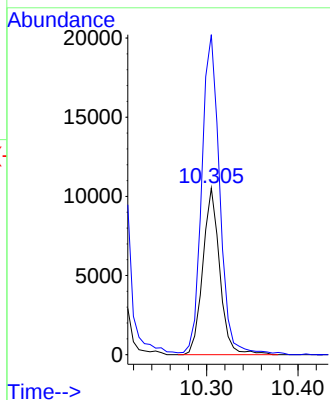
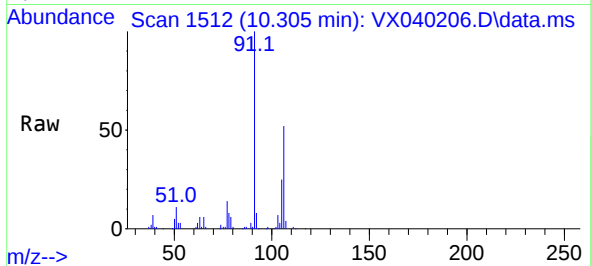




#68
m/p-Xylenes
Concen: 7.757 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX040206.D
Acq: 12 Feb 2024 17:46

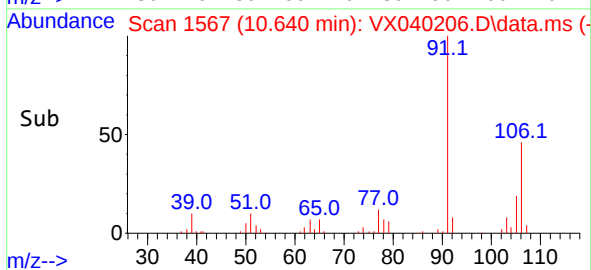
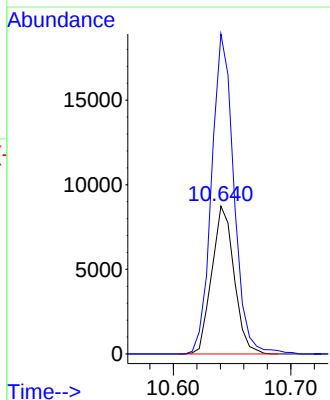
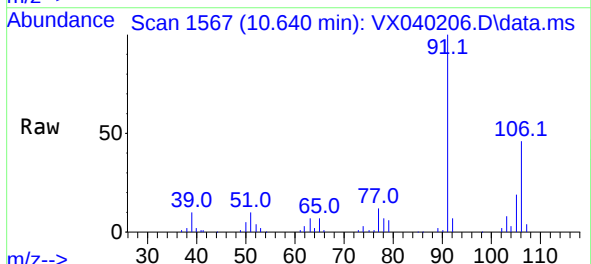
Instrument :
MSVOA_X
ClientSampleId :
CG-MW-17-ch4DL

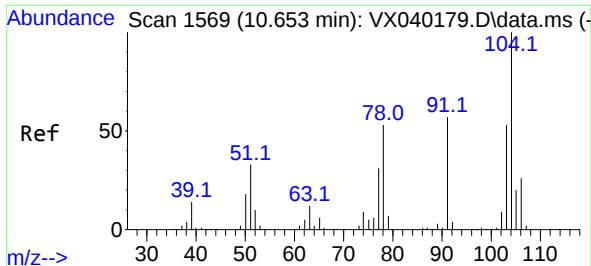
Tgt Ion:106 Resp: 13530
Ion Ratio Lower Upper
106 100
91 204.8 165.5 248.3



#69
o-Xylene
Concen: 6.811 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX040206.D
Acq: 12 Feb 2024 17:46

Tgt Ion:106 Resp: 11544
Ion Ratio Lower Upper
106 100
91 216.4 108.9 326.8

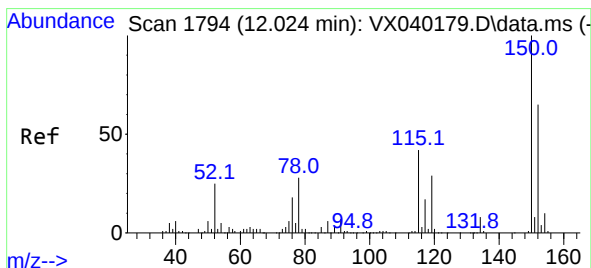
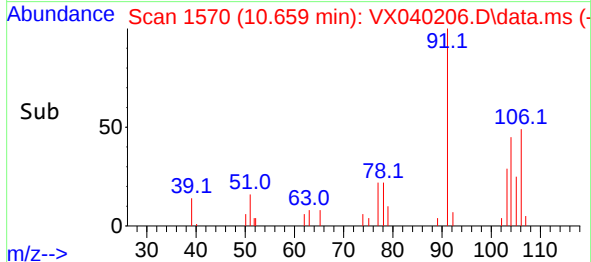
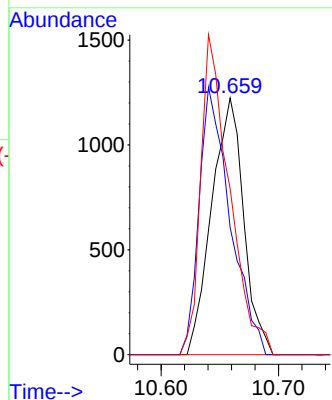
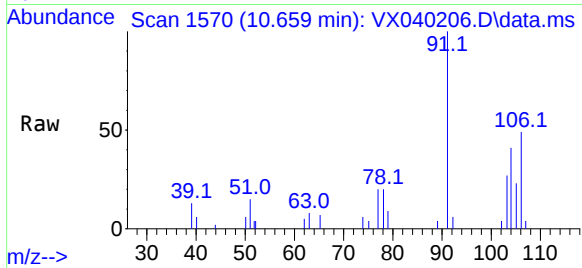




#70
Styrene
Concen: 0.824 ug/l
RT: 10.659 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040206.D
Acq: 12 Feb 2024 17:46

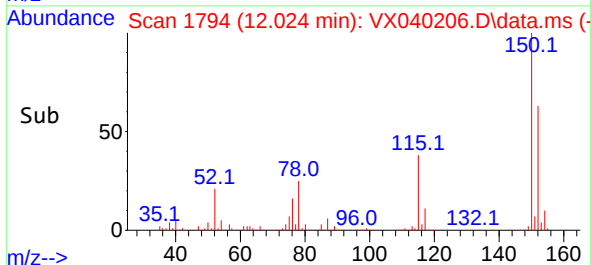
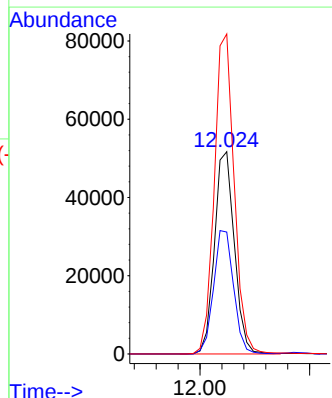
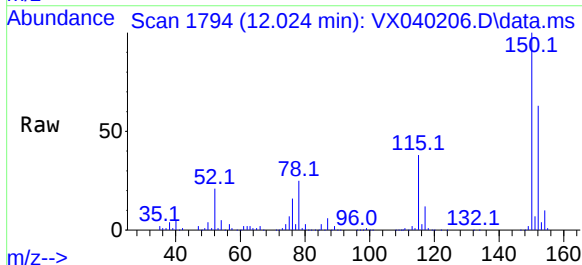
Instrument :
MSVOA_X
ClientSampleId :
CG-MW-17-ch4DL

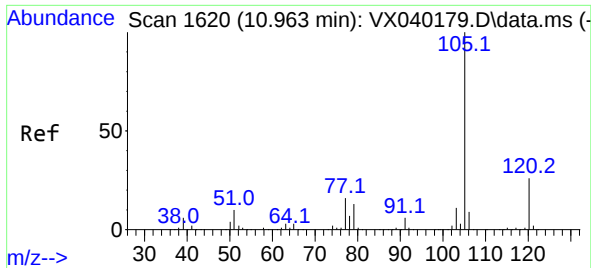
Tgt Ion:104 Resp: 2321
Ion Ratio Lower Upper
104 100
78 100.7 43.6 65.4#
103 111.8 43.6 65.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX040206.D
Acq: 12 Feb 2024 17:46

Tgt Ion:152 Resp: 65167
Ion Ratio Lower Upper
152 100
115 61.5 43.3 129.9
150 158.8 0.0 345.0

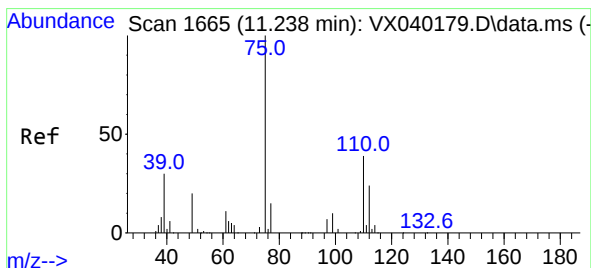
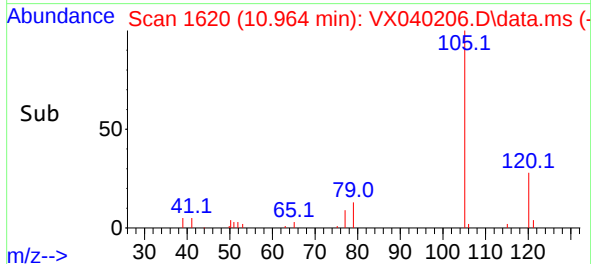
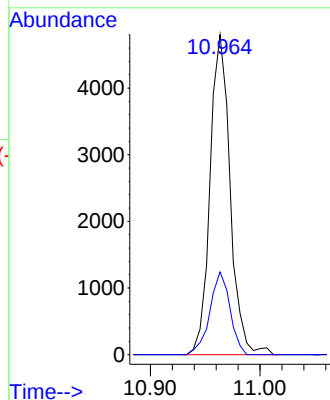
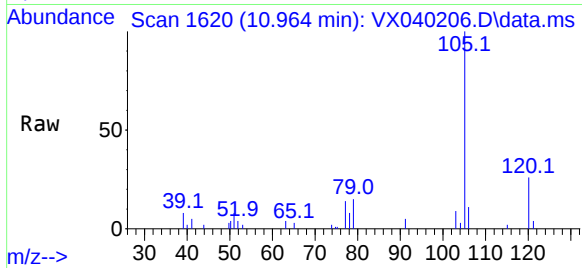




#73
Isopropylbenzene
Concen: 1.332 ug/l
RT: 10.964 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040206.D
Acq: 12 Feb 2024 17:46

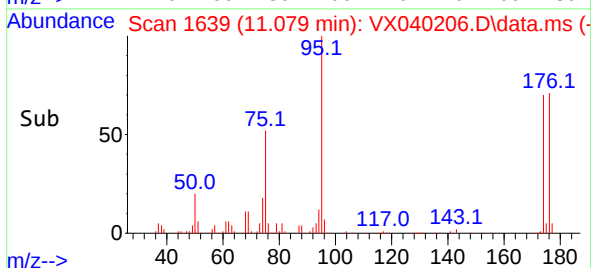
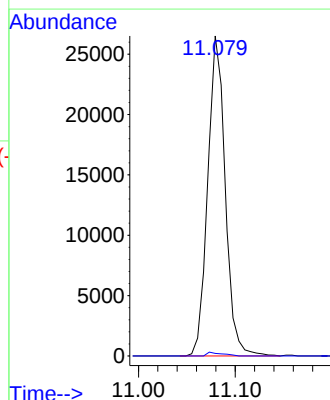
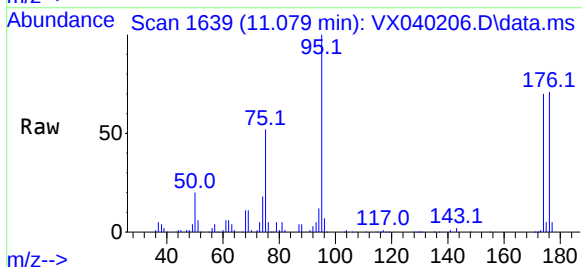
Instrument :
MSVOA_X
ClientSampleId :
CG-MW-17-ch4DL

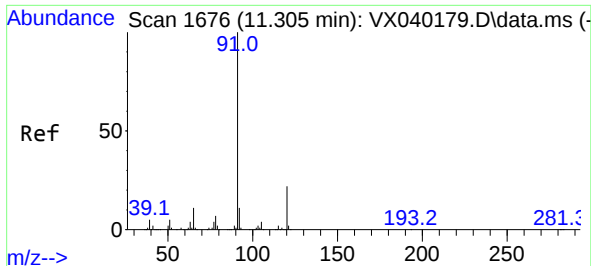
Tgt Ion:105 Resp: 6113
Ion Ratio Lower Upper
105 100
120 25.9 12.9 38.6



#76
1,2,3-Trichloropropane
Concen: 25.282 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX040206.D
Acq: 12 Feb 2024 17:46

Tgt Ion: 75 Resp: 33363
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#

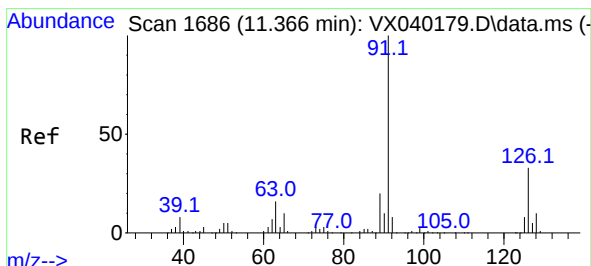
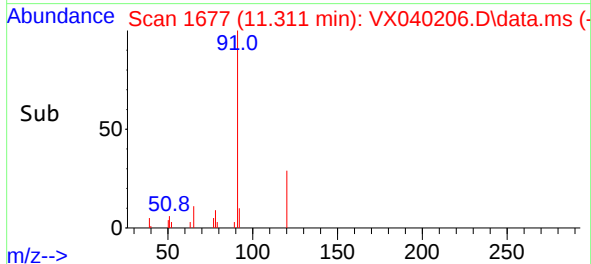
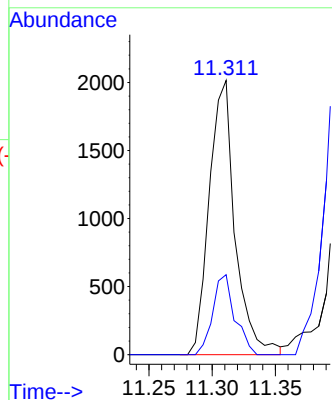
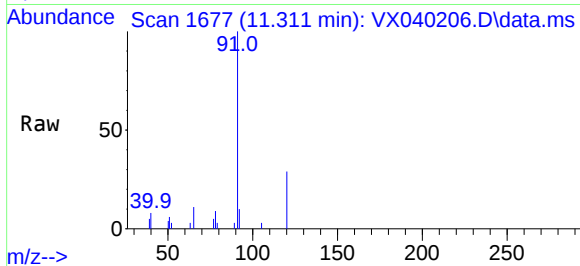




#78
n-propylbenzene
Concen: 0.515 ug/l
RT: 11.311 min Scan# 1690
Delta R.T. 0.006 min
Lab File: VX040206.D
Acq: 12 Feb 2024 17:46

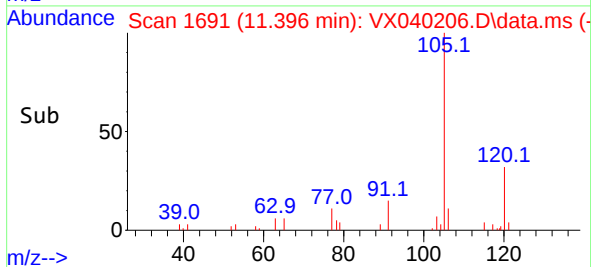
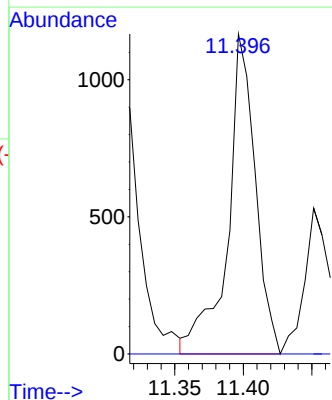
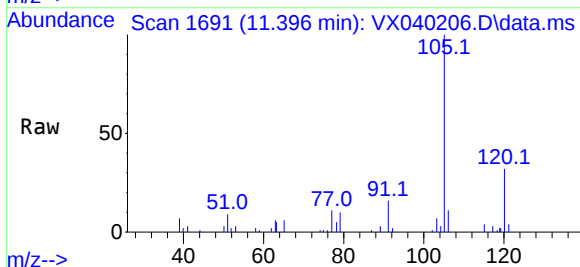
Instrument :
MSVOA_X
ClientSampleId :
CG-MW-17-ch4DL

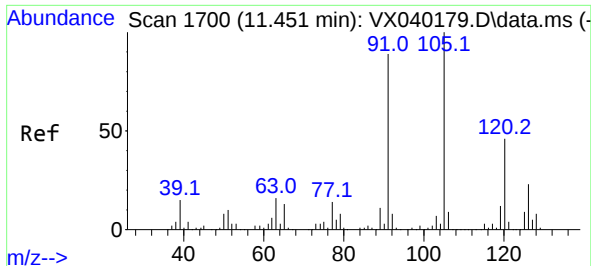
Tgt Ion: 91 Resp: 2863
Ion Ratio Lower Upper
91 100
120 24.9 11.5 34.4



#79
2-Chlorotoluene
Concen: 0.482 ug/l
RT: 11.396 min Scan# 1691
Delta R.T. 0.031 min
Lab File: VX040206.D
Acq: 12 Feb 2024 17:46

Tgt Ion: 91 Resp: 1619
Ion Ratio Lower Upper
91 100
126 0.0 16.3 48.8#

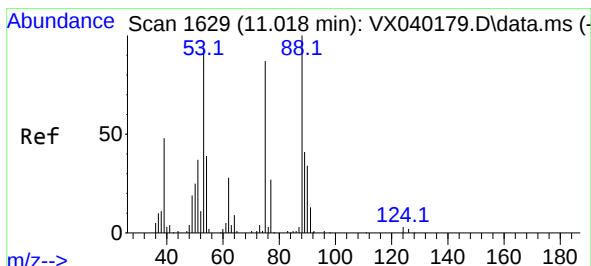
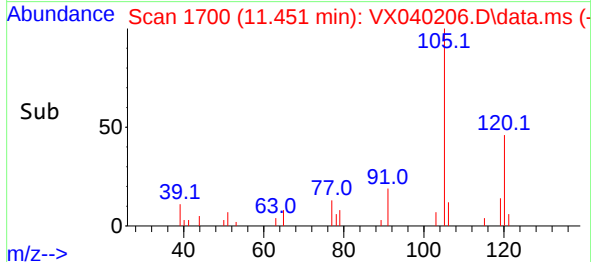
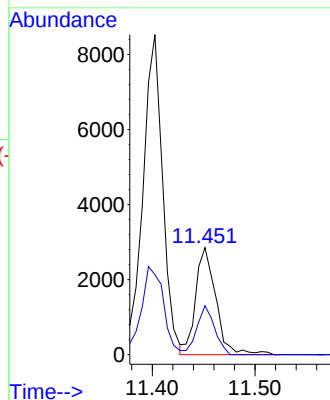
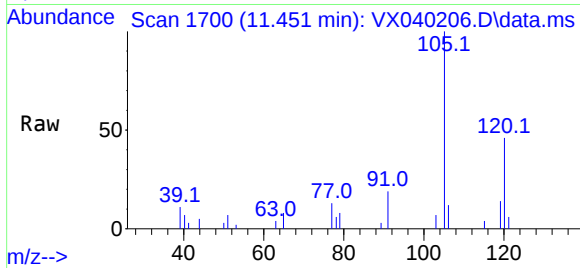




#80
1,3,5-Trimethylbenzene
Concen: 1.016 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040206.D
Acq: 12 Feb 2024 17:46

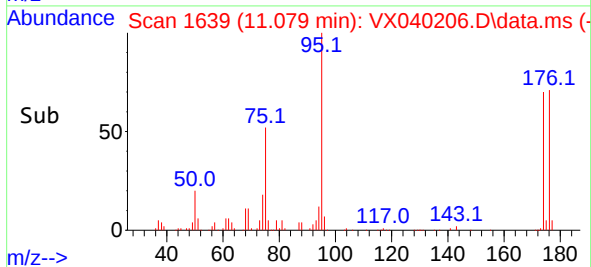
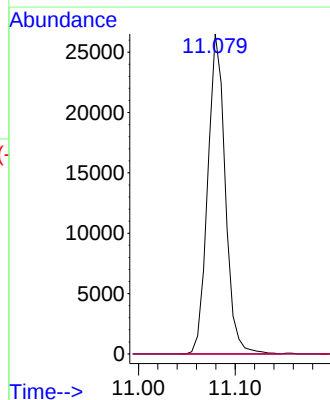
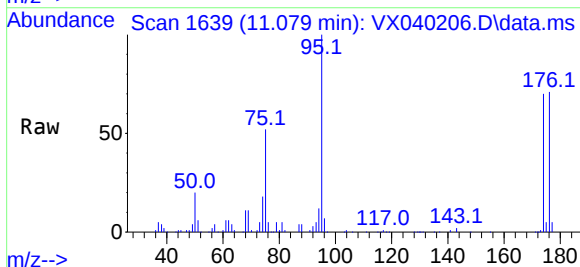
Instrument :
MSVOA_X
ClientSampleId :
CG-MW-17-ch4DL

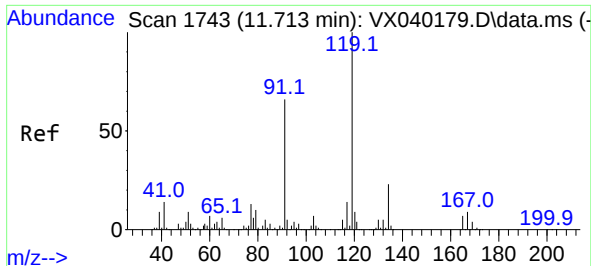
Tgt Ion:105 Resp: 3927
Ion Ratio Lower Upper
105 100
120 39.1 24.1 72.3



#81
trans-1,4-Dichloro-2-butene
Concen: 69.503 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040206.D
Acq: 12 Feb 2024 17:46

Tgt Ion: 75 Resp: 33363
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

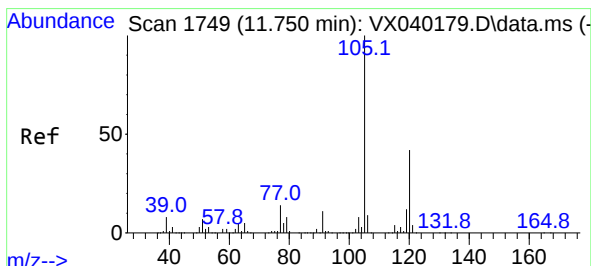
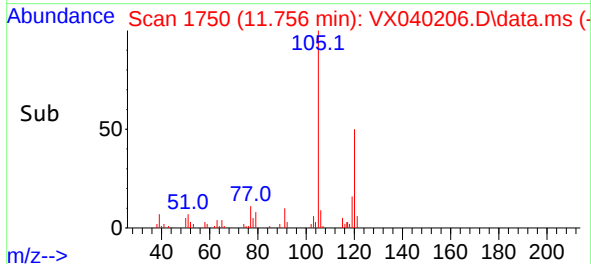
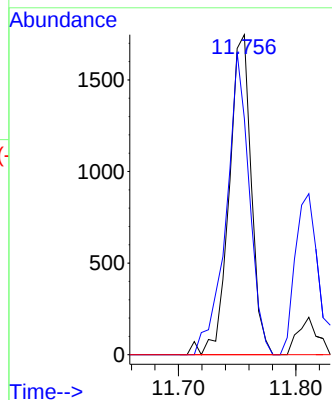
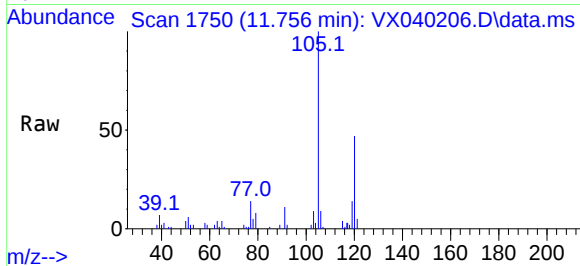




#83
tert-Butylbenzene
Concen: 0.603 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.043 min
Lab File: VX040206.D
Acq: 12 Feb 2024 17:46

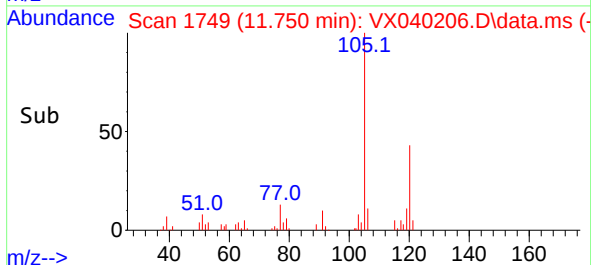
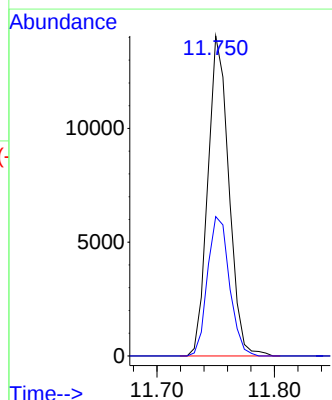
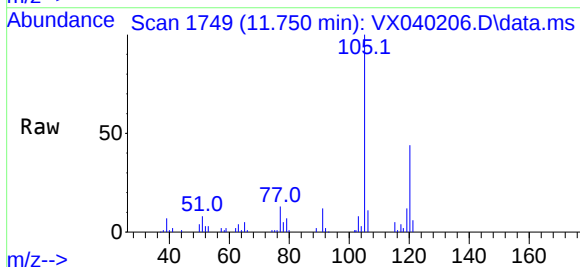
Instrument :
MSVOA_X
ClientSampleId :
CG-MW-17-ch4DL

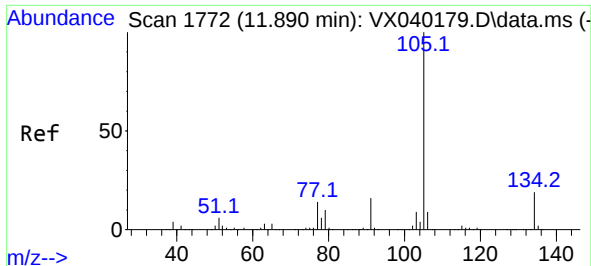
Tgt Ion:119 Resp: 2284
Ion Ratio Lower Upper
119 100
91 98.4 31.2 93.6#
134 0.0 11.7 35.0#



#84
1,2,4-Trimethylbenzene
Concen: 4.453 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX040206.D
Acq: 12 Feb 2024 17:46

Tgt Ion:105 Resp: 17408
Ion Ratio Lower Upper
105 100
120 45.5 21.2 63.6

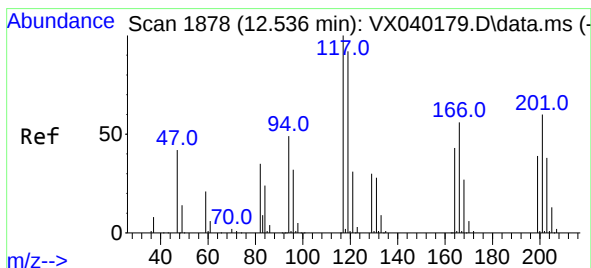
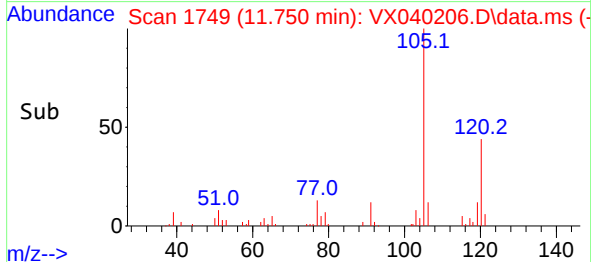
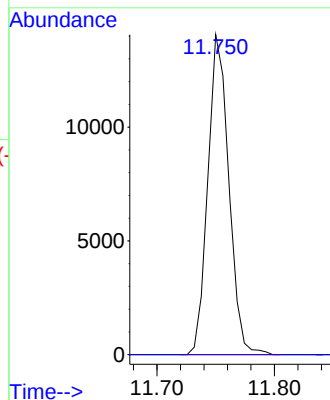
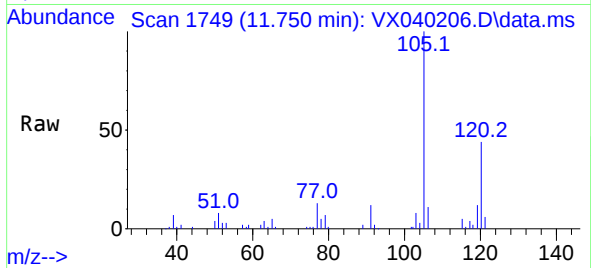




#85
 sec-Butylbenzene
 Concen: 3.575 ug/l
 RT: 11.750 min Scan# 11
 Delta R.T. -0.140 min
 Lab File: VX040206.D
 Acq: 12 Feb 2024 17:46

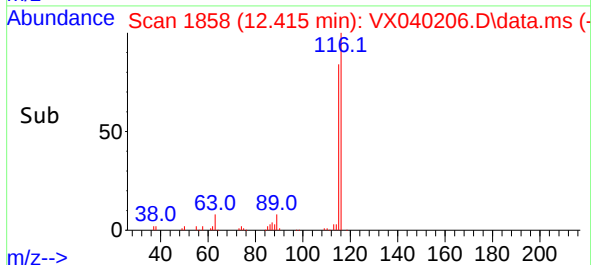
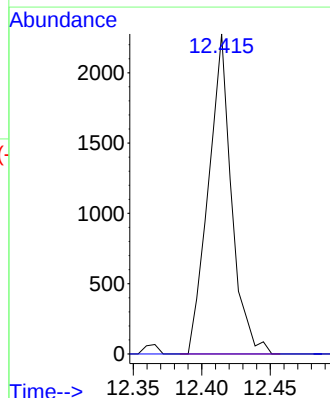
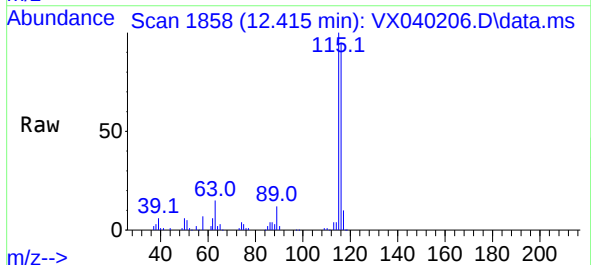
Instrument :
 MSVOA_X
 ClientSampleId :
 CG-MW-17-ch4DL

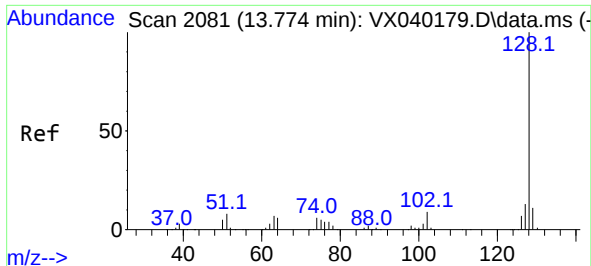
Tgt Ion:105 Resp: 17408
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.4#



#90
 Hexachloroethane
 Concen: 4.232 ug/l
 RT: 12.415 min Scan# 1858
 Delta R.T. -0.122 min
 Lab File: VX040206.D
 Acq: 12 Feb 2024 17:46

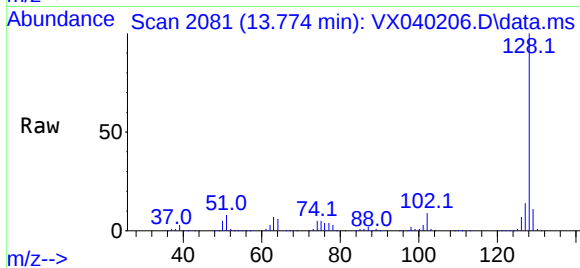
Tgt Ion:117 Resp: 2664
 Ion Ratio Lower Upper
 117 100
 201 0.0 32.9 98.6#





#95
Naphthalene
Concen: 118.752 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX040206.D
Acq: 12 Feb 2024 17:46

Instrument :
MSVOA_X
ClientSampleId :
CG-MW-17-ch4DL



Tgt Ion:128 Resp: 533929
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.0 8.8 13.2

