

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110923\
 Data File : VX038710.D
 Acq On : 10 Nov 2023 07:21
 Operator : JC/MD
 Sample : 05331-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 10 16:43:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

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

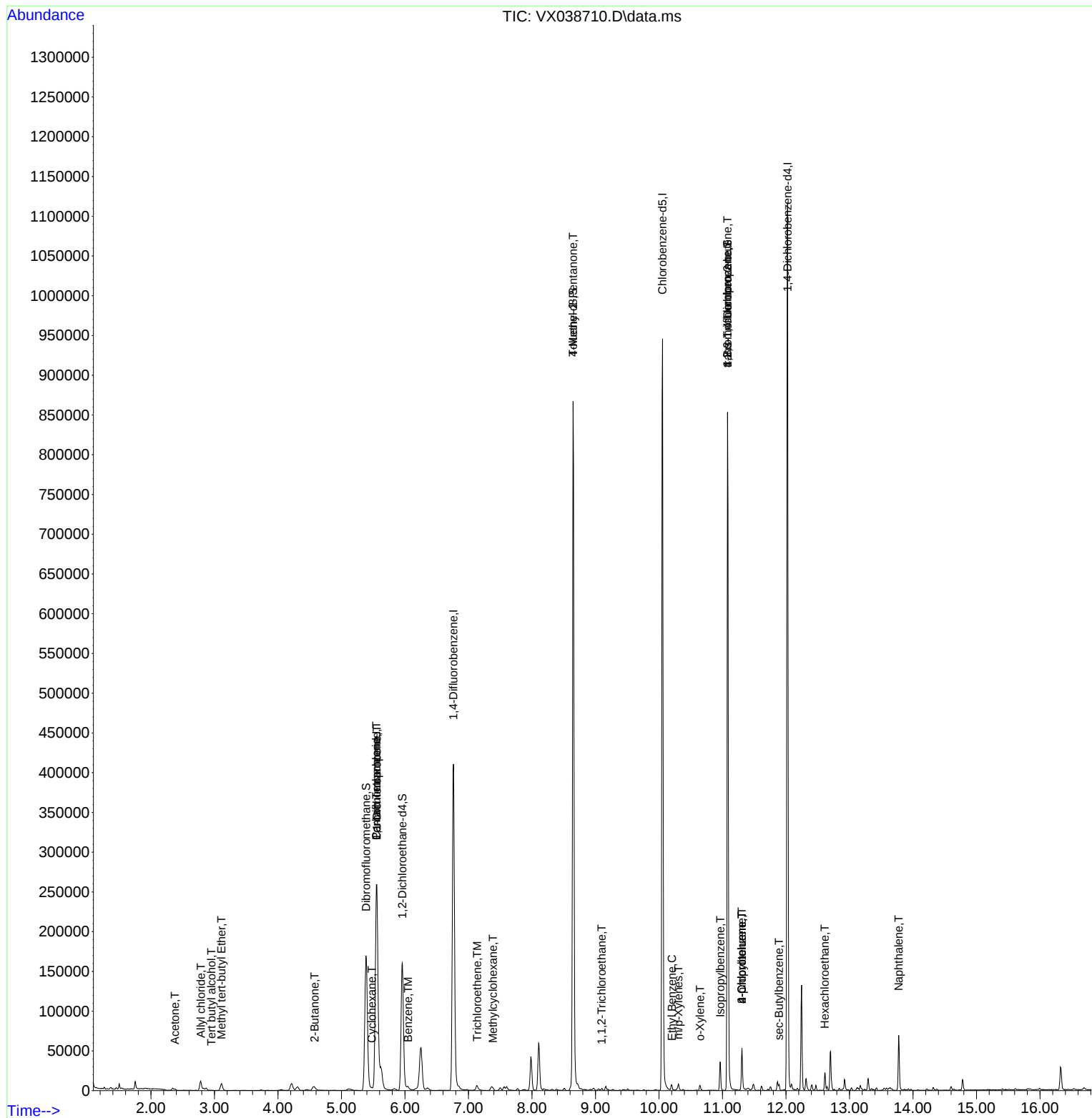
Internal Standards						
1) Pentafluorobenzene	5.550	168	277772	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	461988	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	480696	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	269877	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	160389	46.380	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.760%		
35) Dibromofluoromethane	5.385	113	151426	45.509	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.020%		
50) Toluene-d8	8.647	98	549646	46.163	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.320%		
62) 4-Bromofluorobenzene	11.079	95	231865	50.227	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.460%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.953	59	379	0.536	ug/l	# 78
14) Allyl chloride	2.788	41	4161	1.121	ug/l	# 60
16) Acetone	2.380	43	1766	1.213	ug/l	# 89
19) Methyl tert-butyl Ether	3.111	73	5674	0.684	ug/l	# 9
25) 2-Butanone	4.574	43	536	0.254	ug/l	94
31) Cyclohexane	5.477	56	1534	0.401	ug/l	95
36) 1,1-Dichloropropene	5.556	75	17531	4.241	ug/l	# 52
38) Carbon Tetrachloride	5.550	117	26230	5.677	ug/l	# 15
39) Methylcyclohexane	7.385	83	1729	0.335	ug/l	# 85
40) Benzene	6.050	78	5469	0.459	ug/l	# 87
44) Trichloroethene	7.135	130	3000	0.810	ug/l	82
51) 4-Methyl-2-Pentanone	8.647	43	2403	0.568	ug/l	# 1
55) 1,1,2-Trichloroethane	9.098	97	961	0.290	ug/l	# 17
67) Ethyl Benzene	10.201	91	4362	0.264	ug/l	96
68) m/p-Xylenes	10.305	106	1926	0.293	ug/l	91
69) o-Xylene	10.647	106	1636	0.256	ug/l	98
73) Isopropylbenzene	10.964	105	18901	1.142	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	111489	20.859	ug/l	# 39
78) n-propylbenzene	11.305	91	34093	1.770	ug/l	99
79) 2-Chlorotoluene	11.305	91	34093	2.956	ug/l	# 42
81) trans-1,4-Dichloro-2-b...	11.079	75	111489	63.453	ug/l	# 5
82) 4-Chlorotoluene	11.305	91	34093	2.530	ug/l	# 46
85) sec-Butylbenzene	11.890	105	3774	0.209	ug/l	# 57
90) Hexachloroethane	12.610	117	1189	0.457	ug/l	# 17
95) Naphthalene	13.774	128	46518	2.541	ug/l	100

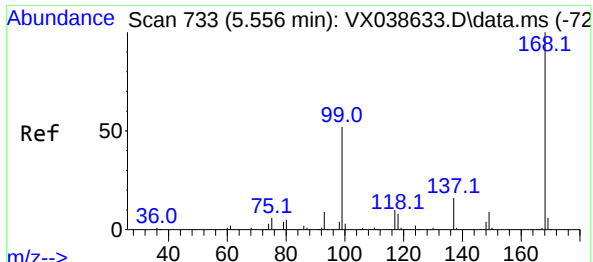
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 10 16:43:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 08 03:19:07 2023
Response via : Initial Calibration

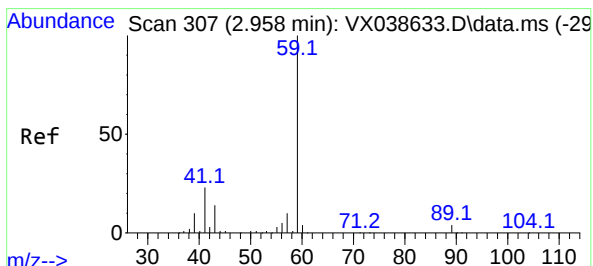
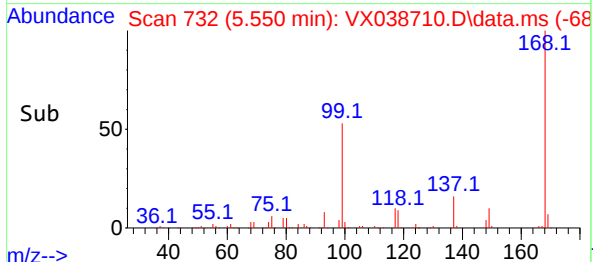
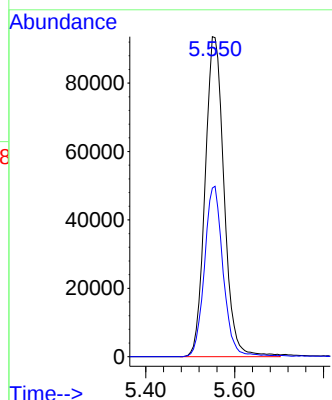
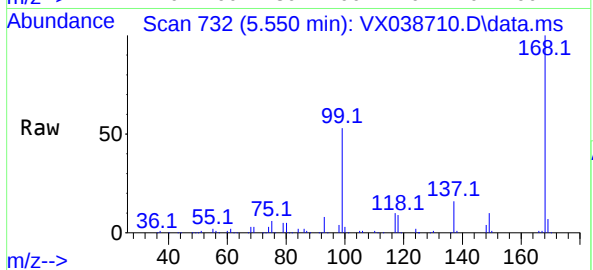




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038710.D
Acq: 10 Nov 2023 07:21

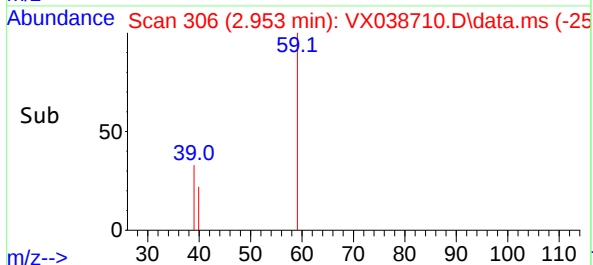
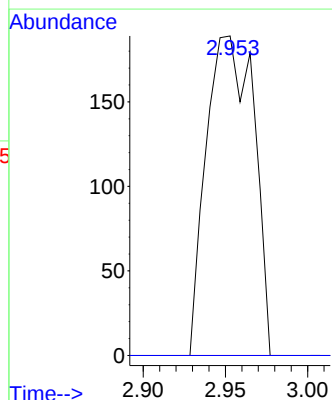
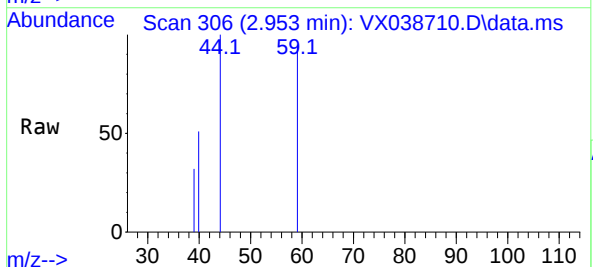
Instrument :
MSVOA_X
ClientSampleId :

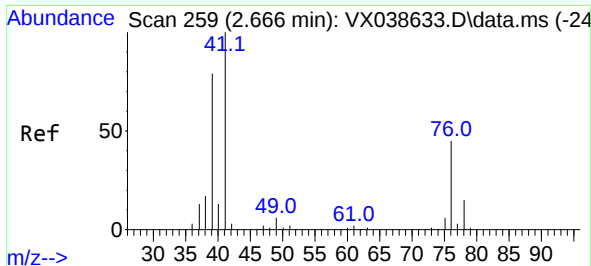
Tgt Ion:168 Resp: 277772
Ion Ratio Lower Upper
168 100
99 52.7 56.6 85.0#



#11
Tert butyl alcohol
Concen: 0.536 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX038710.D
Acq: 10 Nov 2023 07:21

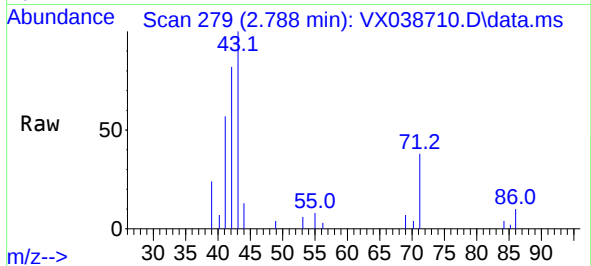
Tgt Ion: 59 Resp: 379
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



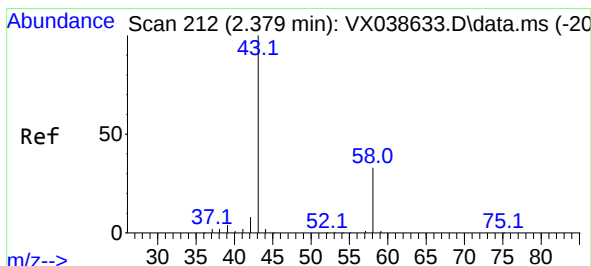
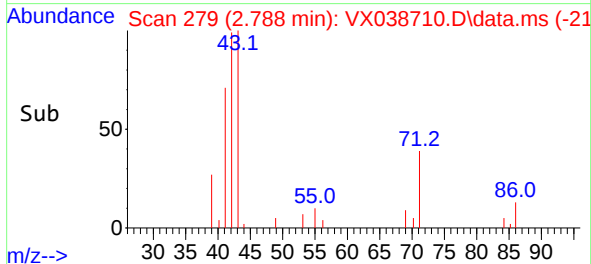
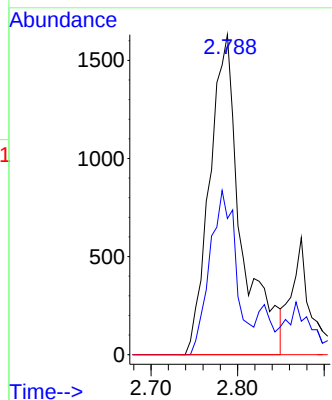


#14
 Allyl chloride
 Concen: 1.121 ug/l
 RT: 2.788 min Scan# 21
 Delta R.T. 0.122 min
 Lab File: VX038710.D
 Acq: 10 Nov 2023 07:21

Instrument :
 MSVOA_X
 ClientSampleId :

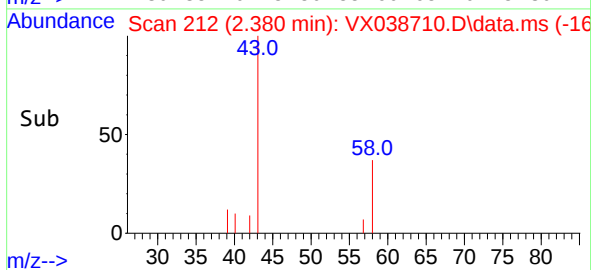
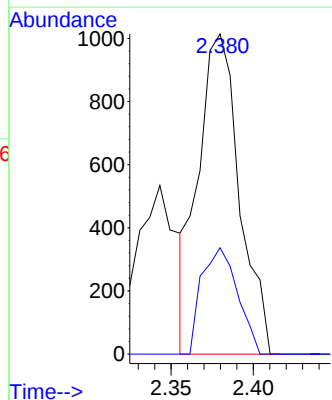
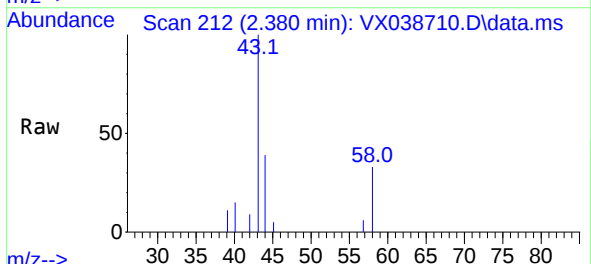


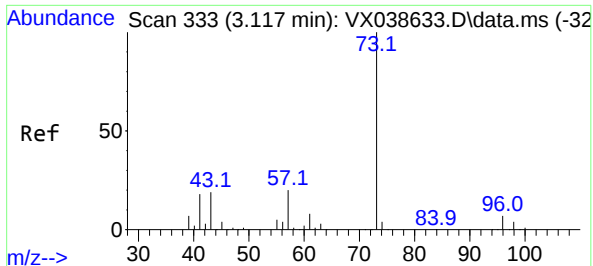
Tgt Ion: 41 Resp: 4161
 Ion Ratio Lower Upper
 41 100
 39 43.1 55.8 83.6#
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 1.213 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. 0.000 min
 Lab File: VX038710.D
 Acq: 10 Nov 2023 07:21

Tgt Ion: 43 Resp: 1766
 Ion Ratio Lower Upper
 43 100
 58 33.2 21.9 32.9#





#19

Methyl tert-butyl Ether

Concen: 0.684 ug/l

RT: 3.111 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX038710.D

Acq: 10 Nov 2023 07:21

Instrument :

MSVOA_X

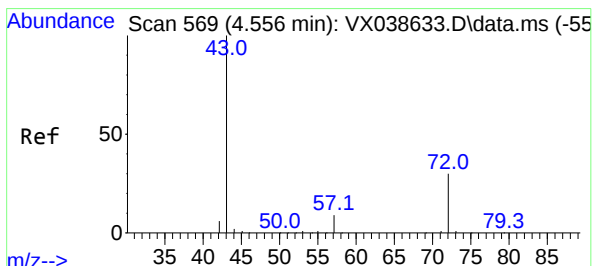
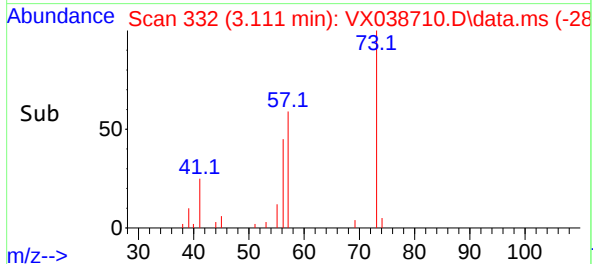
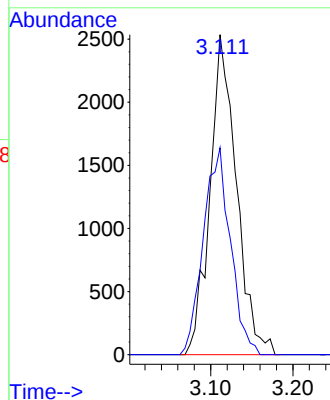
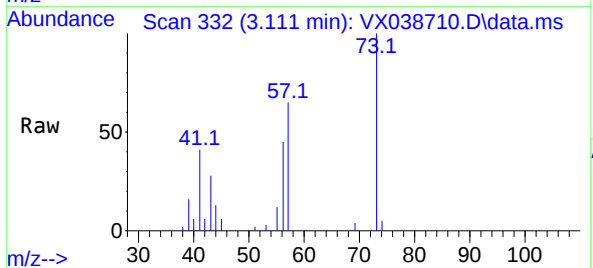
ClientSampleId :

Tgt Ion: 73 Resp: 5674

Ion Ratio Lower Upper

73 100

57 64.7 17.3 25.9#



#25

2-Butanone

Concen: 0.254 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.019 min

Lab File: VX038710.D

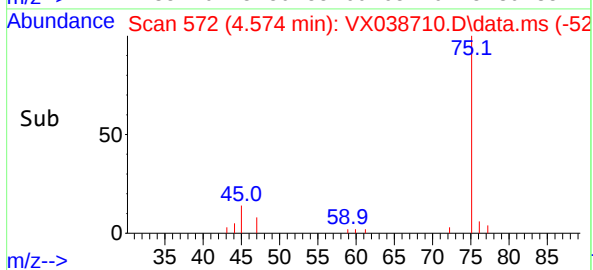
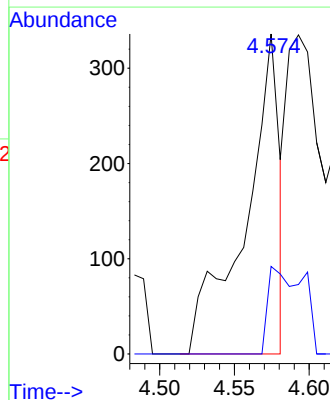
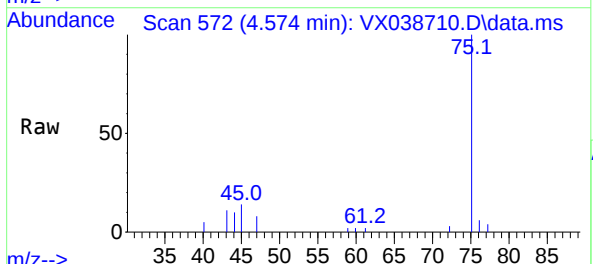
Acq: 10 Nov 2023 07:21

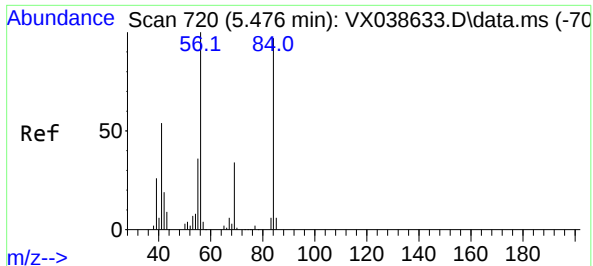
Tgt Ion: 43 Resp: 536

Ion Ratio Lower Upper

43 100

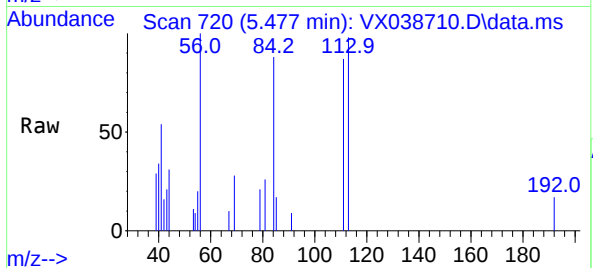
72 27.4 19.4 29.2





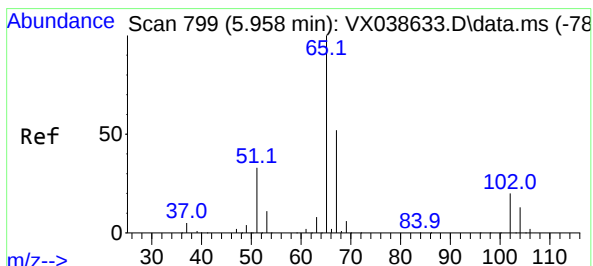
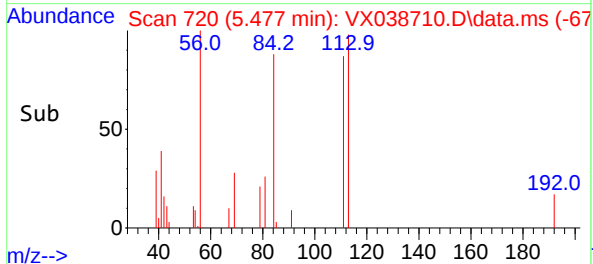
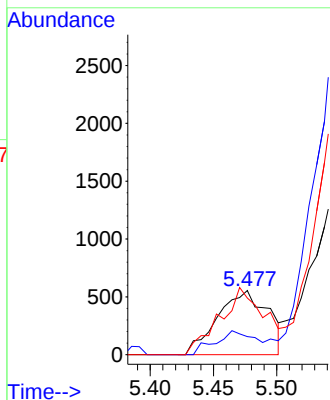
#31
Cyclohexane
Concen: 0.401 ug/l
RT: 5.477 min Scan# 710
Delta R.T. 0.000 min
Lab File: VX038710.D
Acq: 10 Nov 2023 07:21

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 56 Resp: 1534

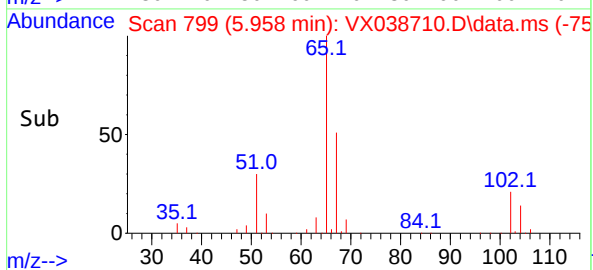
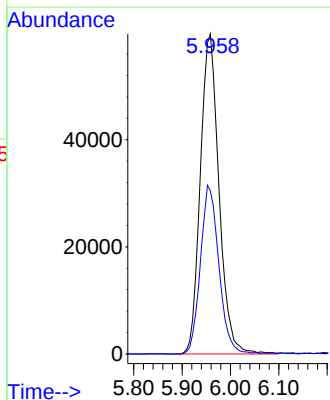
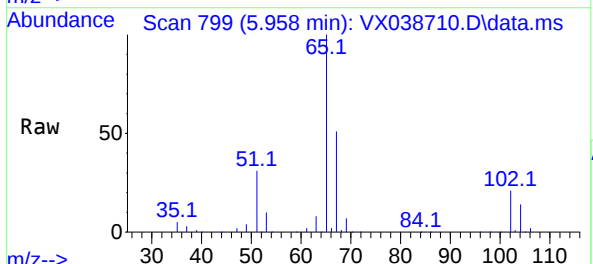
Ion	Ratio	Lower	Upper
56	100		
69	28.3	23.4	35.2
84	88.3	65.9	98.9

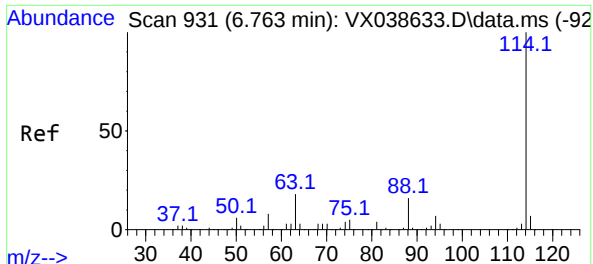


#33
1,2-Dichloroethane-d4
Concen: 46.380 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038710.D
Acq: 10 Nov 2023 07:21

Tgt Ion: 65 Resp: 160389

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	100.2

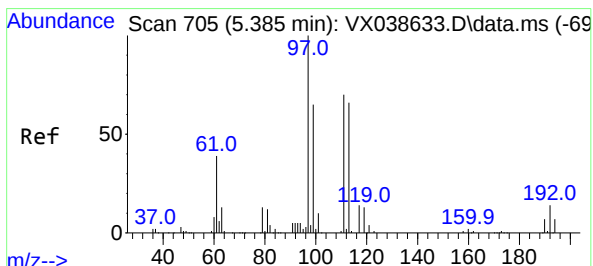
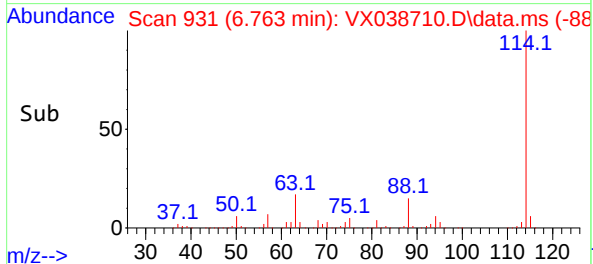
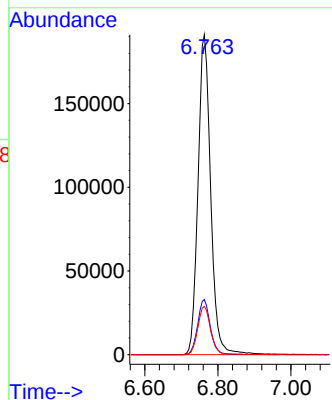
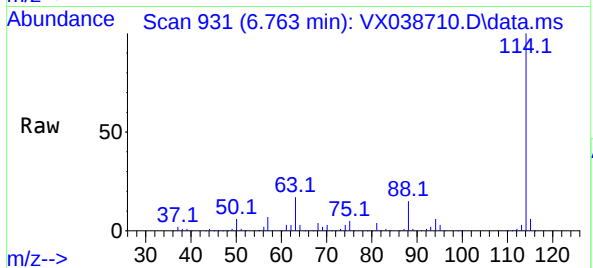




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX038710.D
Acq: 10 Nov 2023 07:21

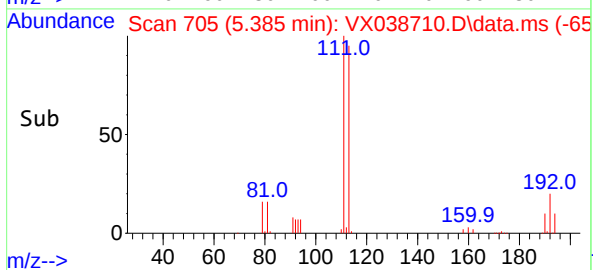
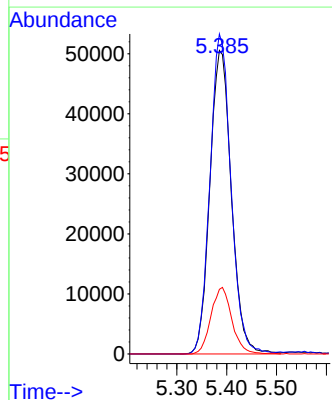
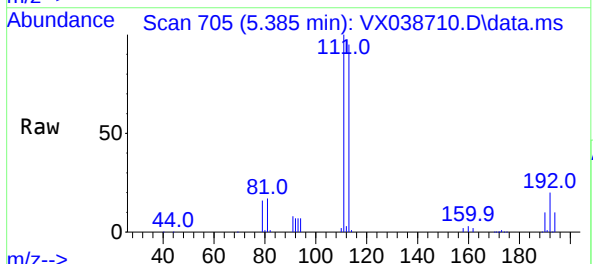
Instrument :
MSVOA_X
ClientSampleId :

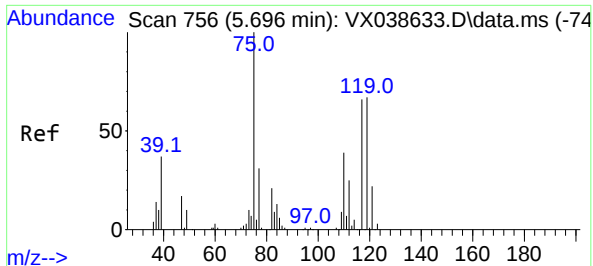
Tgt Ion:114 Resp: 461988
Ion Ratio Lower Upper
114 100
63 17.2 0.0 45.0
88 15.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.509 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038710.D
Acq: 10 Nov 2023 07:21

Tgt Ion:113 Resp: 151426
Ion Ratio Lower Upper
113 100
111 102.9 82.9 124.3
192 21.2 13.3 19.9#





#36

1,1-Dichloropropene

Concen: 4.241 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX038710.D

Acq: 10 Nov 2023 07:21

Instrument :

MSVOA_X

ClientSampleId :

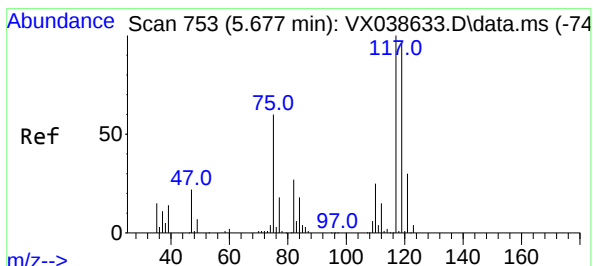
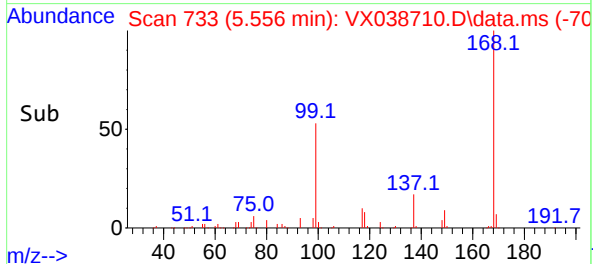
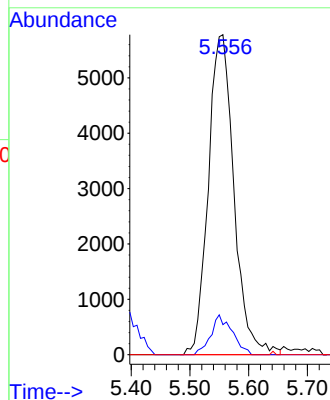
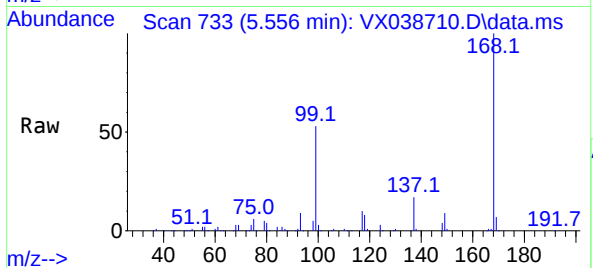
Tgt Ion: 75 Resp: 17531

Ion Ratio Lower Upper

75 100

110 10.4 17.0 50.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.677 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX038710.D

Acq: 10 Nov 2023 07:21

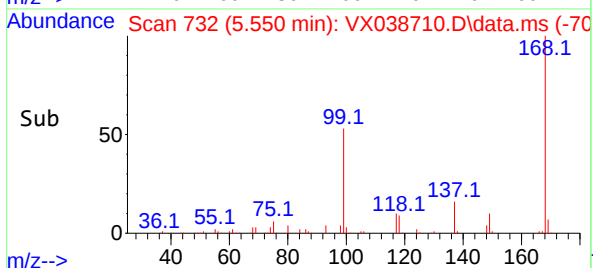
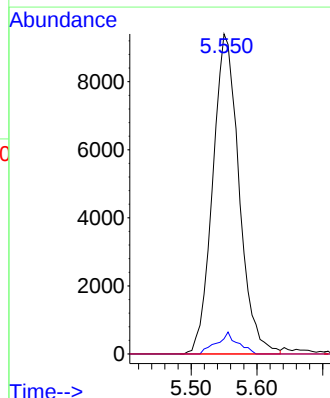
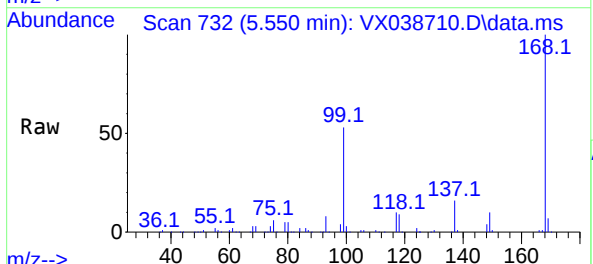
Tgt Ion: 117 Resp: 26230

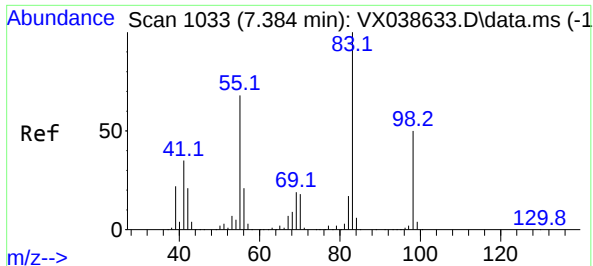
Ion Ratio Lower Upper

117 100

119 4.8 78.2 117.2#

121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.335 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VX038710.D

Acq: 10 Nov 2023 07:21

Instrument :

MSVOA_X

ClientSampleId :

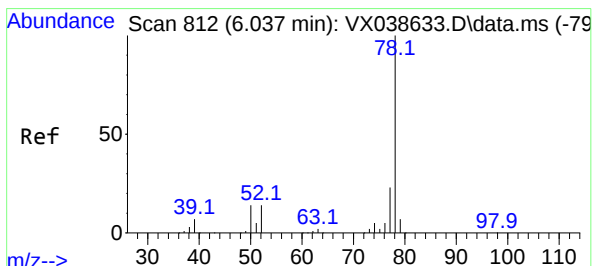
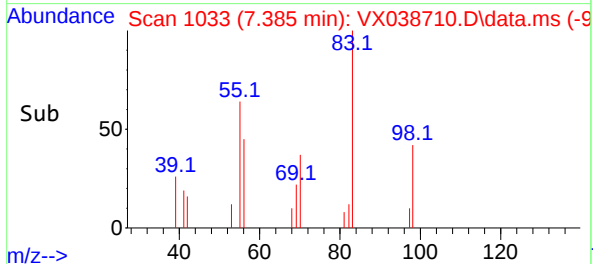
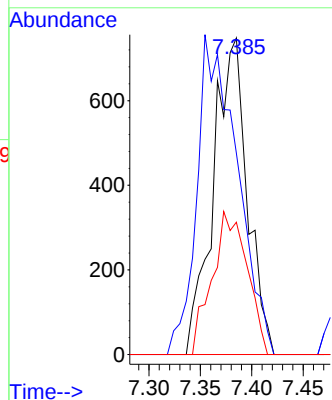
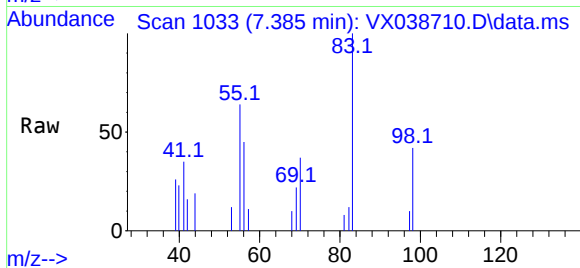
Tgt Ion: 83 Resp: 1729

Ion Ratio Lower Upper

83 100

55 63.6 64.6 97.0#

98 41.8 36.7 55.1



#40

Benzene

Concen: 0.459 ug/l

RT: 6.050 min Scan# 814

Delta R.T. 0.013 min

Lab File: VX038710.D

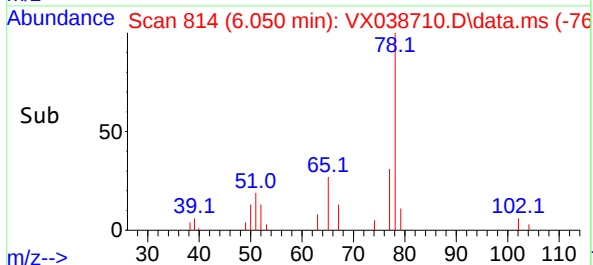
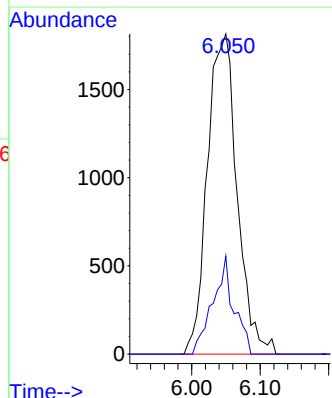
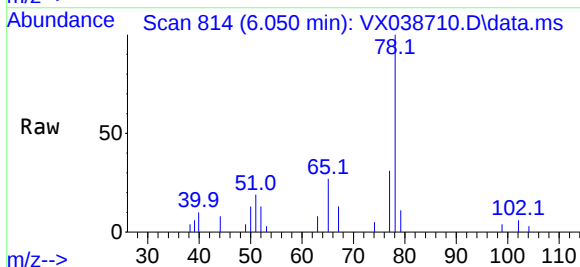
Acq: 10 Nov 2023 07:21

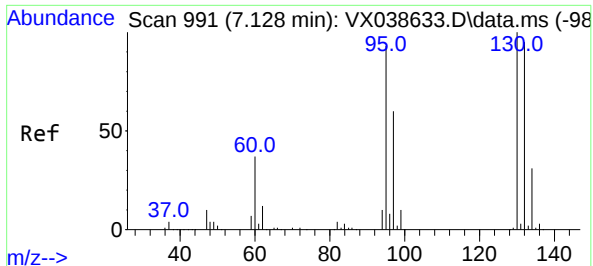
Tgt Ion: 78 Resp: 5469

Ion Ratio Lower Upper

78 100

77 30.6 19.3 28.9#

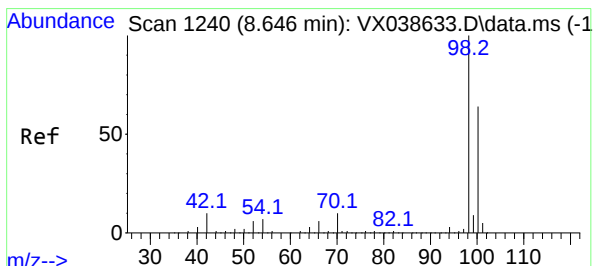
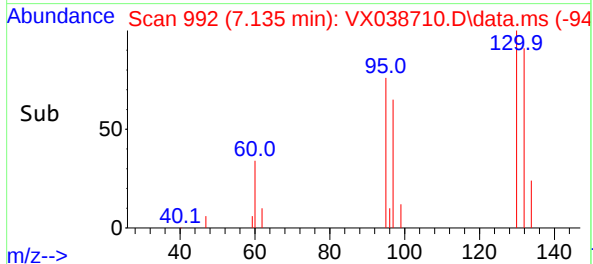
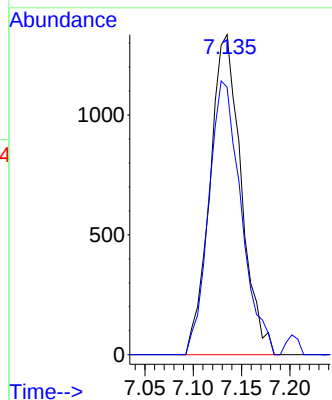
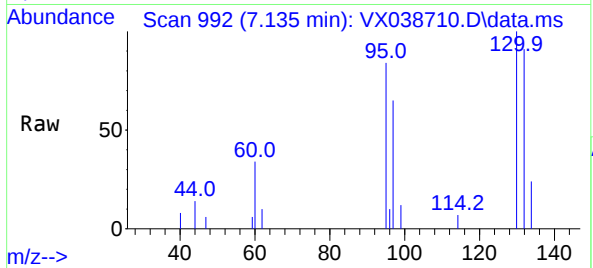




#44
Trichloroethene
Concen: 0.810 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.007 min
Lab File: VX038710.D
Acq: 10 Nov 2023 07:21

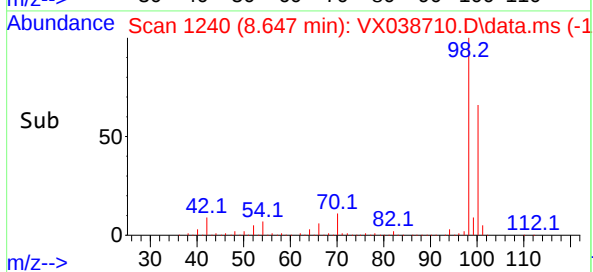
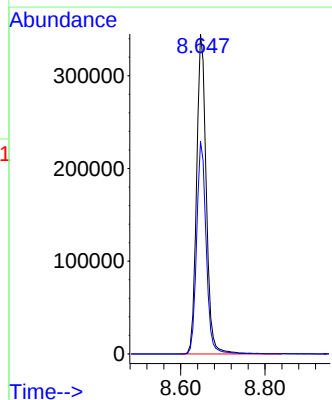
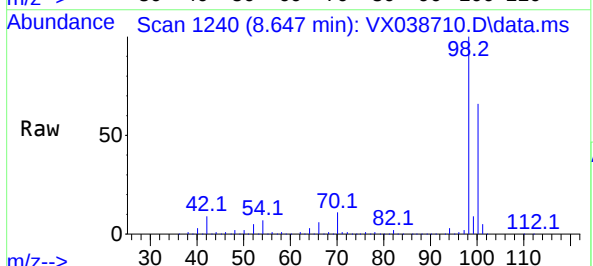
Instrument :
MSVOA_X
ClientSampleId :

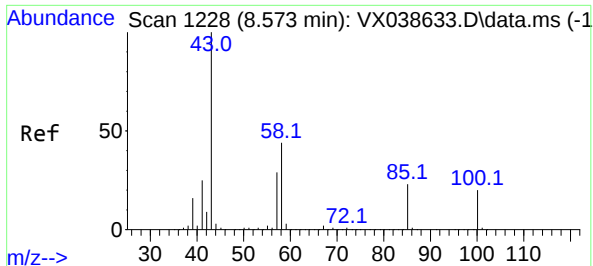
Tgt Ion:130 Resp: 3000
Ion Ratio Lower Upper
130 100
95 83.6 0.0 204.4



#50
Toluene-d8
Concen: 46.163 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038710.D
Acq: 10 Nov 2023 07:21

Tgt Ion: 98 Resp: 549646
Ion Ratio Lower Upper
98 100
100 65.7 53.1 79.7

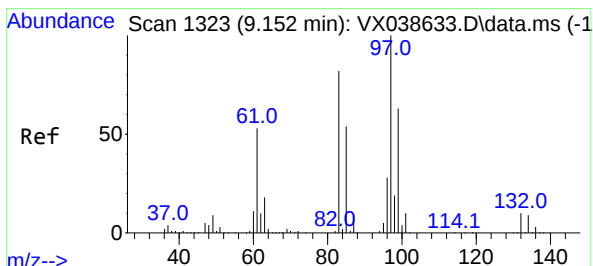
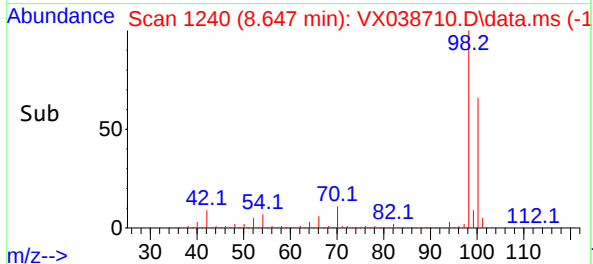
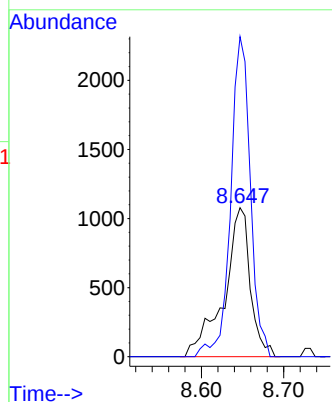
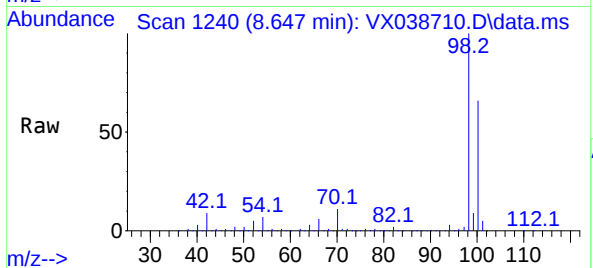




#51
4-Methyl-2-Pentanone
Concen: 0.568 ug/l
RT: 8.647 min Scan# 1114
Delta R.T. 0.074 min
Lab File: VX038710.D
Acq: 10 Nov 2023 07:21

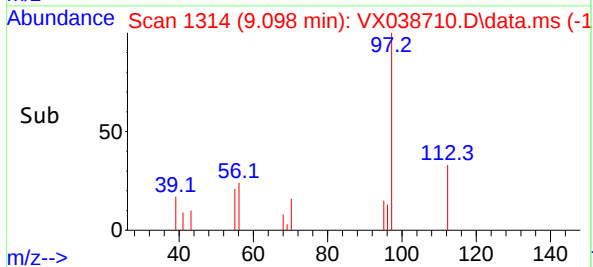
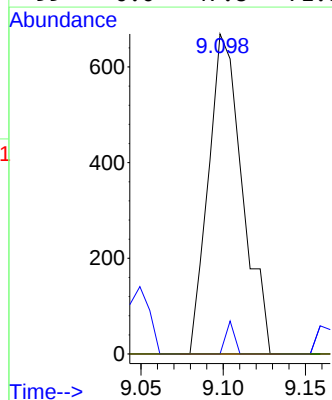
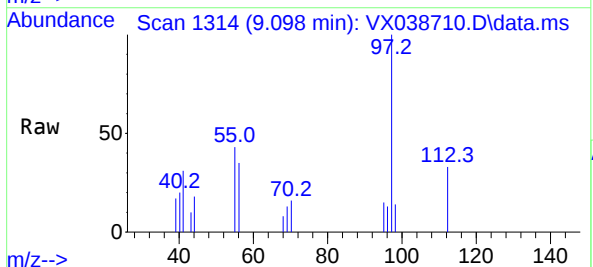
Instrument :
MSVOA_X
ClientSampleId :

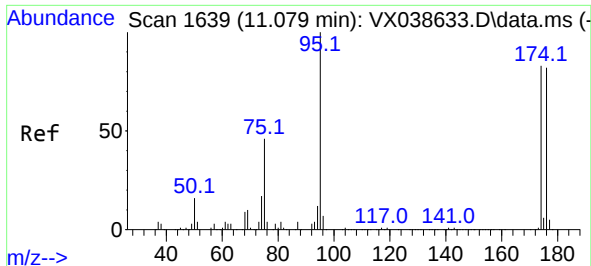
Tgt Ion: 43 Resp: 2403
Ion Ratio Lower Upper
43 100
58 160.5 30.4 45.6#



#55
1,1,2-Trichloroethane
Concen: 0.290 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.054 min
Lab File: VX038710.D
Acq: 10 Nov 2023 07:21

Tgt Ion: 97 Resp: 961
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#

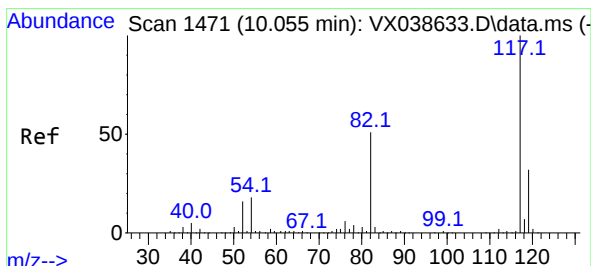
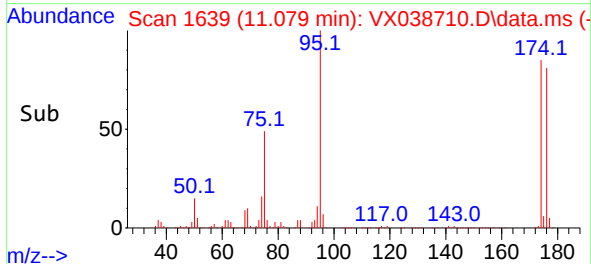
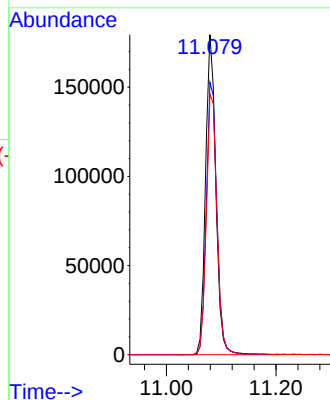
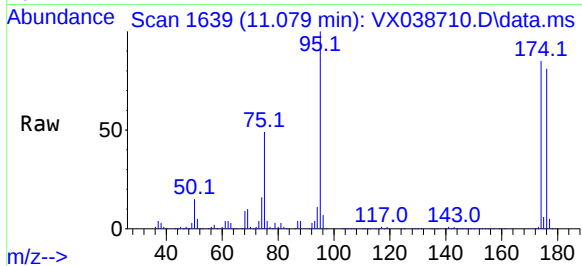




#62
4-Bromofluorobenzene
Concen: 50.227 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038710.D
Acq: 10 Nov 2023 07:21

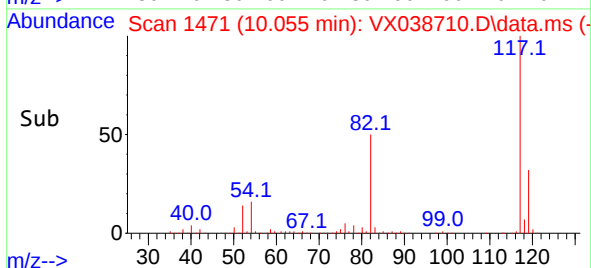
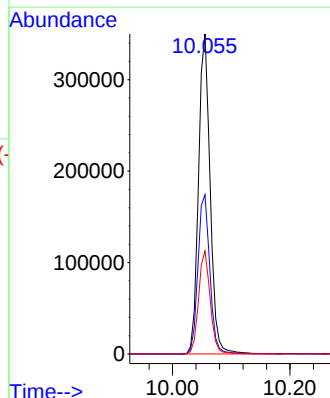
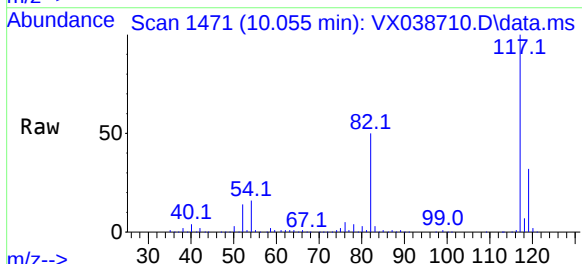
Instrument :
MSVOA_X
ClientSampleId :

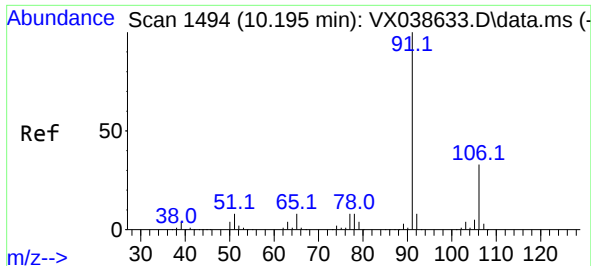
Tgt Ion: 95 Resp: 231865
Ion Ratio Lower Upper
95 100
174 87.9 0.0 135.6
176 84.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038710.D
Acq: 10 Nov 2023 07:21

Tgt Ion: 117 Resp: 480696
Ion Ratio Lower Upper
117 100
82 49.7 46.2 69.4
119 32.2 25.5 38.3





#67

Ethyl Benzene

Concen: 0.264 ug/l

RT: 10.201 min Scan# 1495

Delta R.T. 0.007 min

Lab File: VX038710.D

Acq: 10 Nov 2023 07:21

Instrument :

MSVOA_X

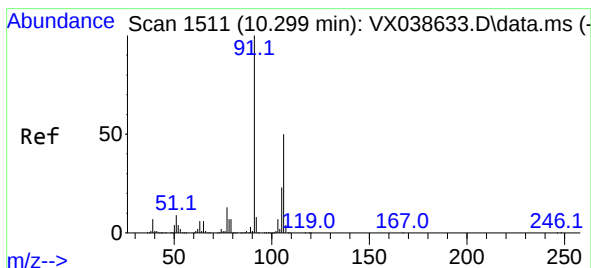
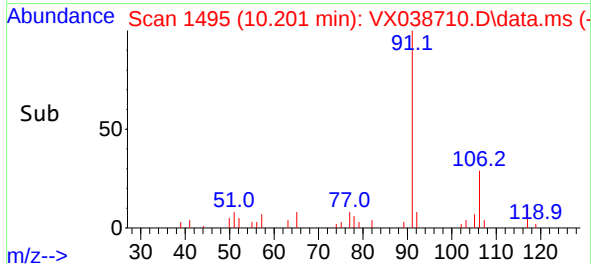
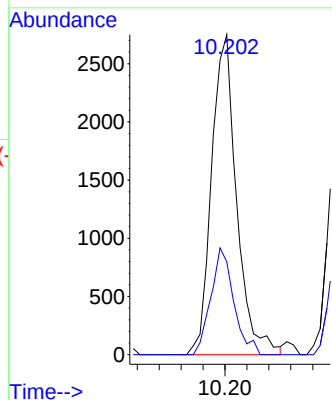
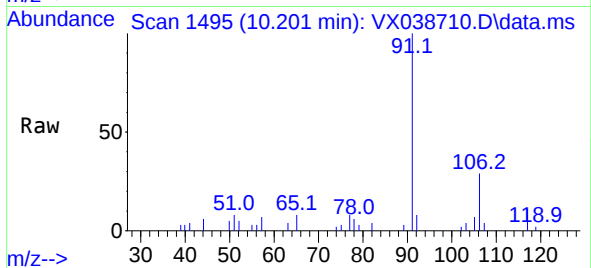
ClientSampleId :

Tgt Ion: 91 Resp: 4362

Ion Ratio Lower Upper

91 100

106 29.1 24.9 37.3



#68

m/p-Xylenes

Concen: 0.293 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.007 min

Lab File: VX038710.D

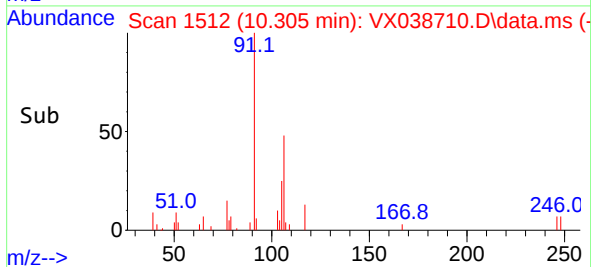
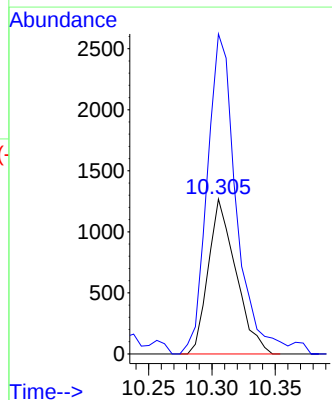
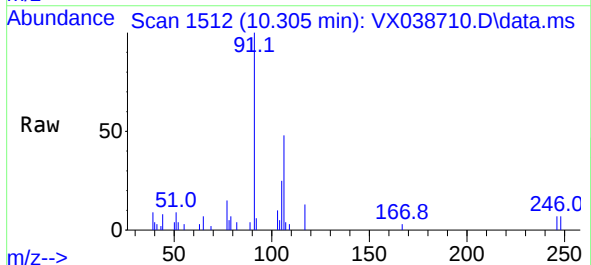
Acq: 10 Nov 2023 07:21

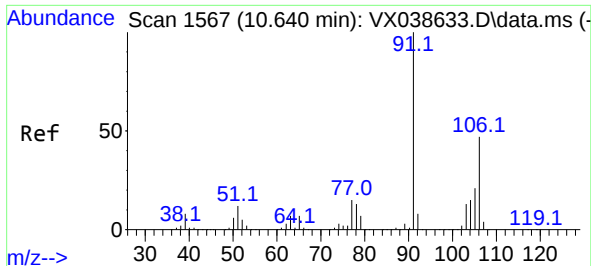
Tgt Ion:106 Resp: 1926

Ion Ratio Lower Upper

106 100

91 220.1 165.5 248.3

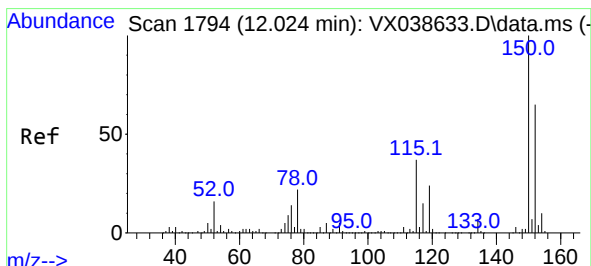
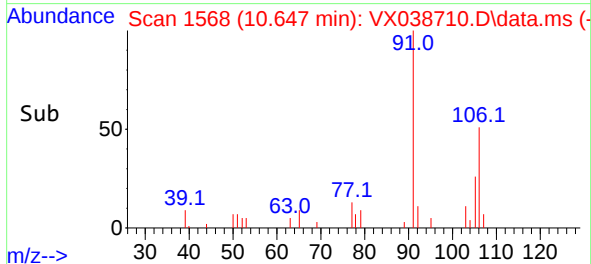
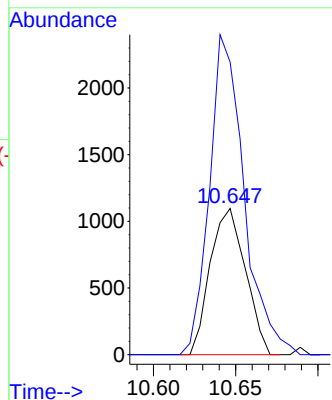
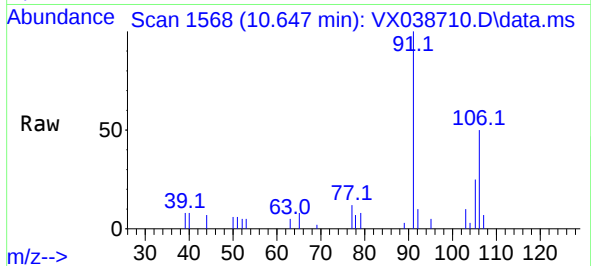




#69
o-Xylene
Concen: 0.256 ug/l
RT: 10.647 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX038710.D
Acq: 10 Nov 2023 07:21

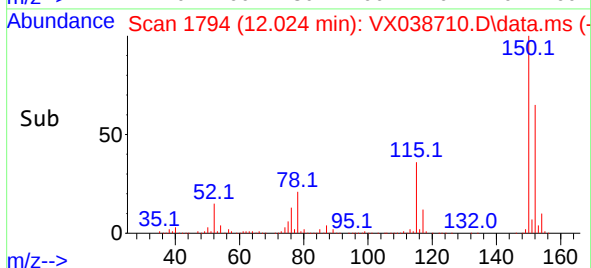
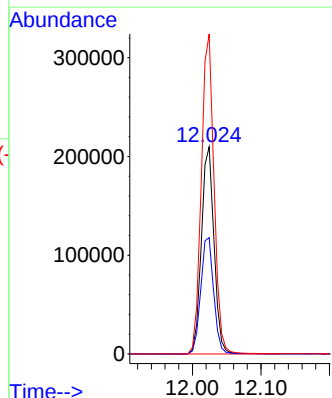
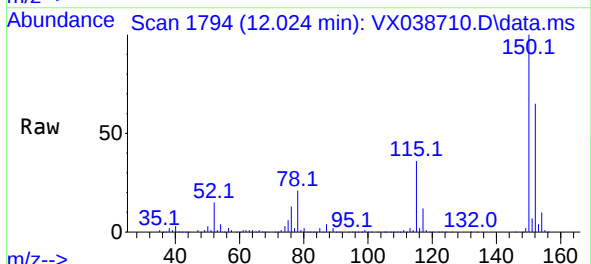
Instrument :
MSVOA_X
ClientSampleId :

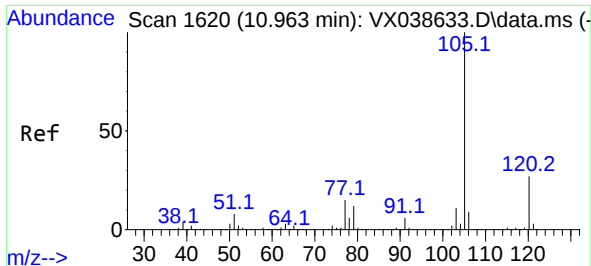
Tgt Ion:106 Resp: 1636
Ion Ratio Lower Upper
106 100
91 214.7 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038710.D
Acq: 10 Nov 2023 07:21

Tgt Ion:152 Resp: 269877
Ion Ratio Lower Upper
152 100
115 57.6 43.3 129.9
150 155.4 0.0 345.0

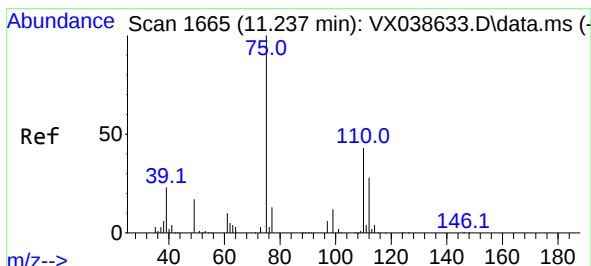
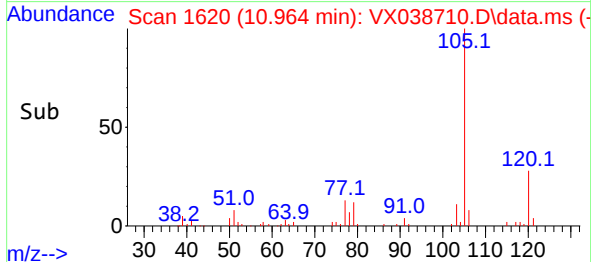
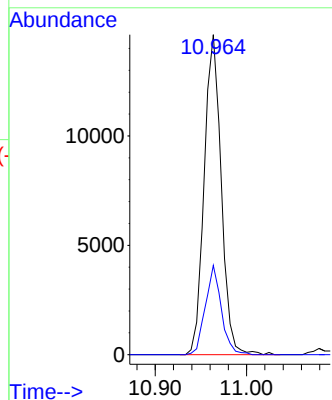
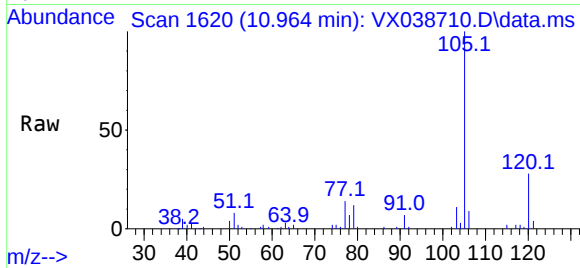




#73
Isopropylbenzene
Concen: 1.142 ug/l
RT: 10.964 min Scan# 1639
Delta R.T. 0.001 min
Lab File: VX038710.D
Acq: 10 Nov 2023 07:21

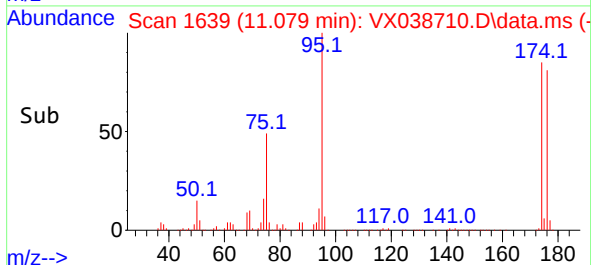
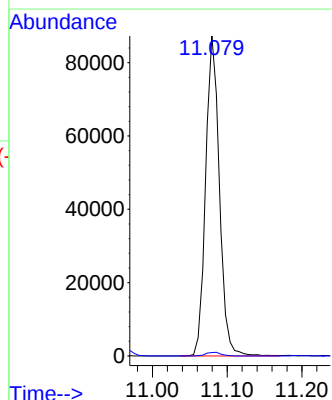
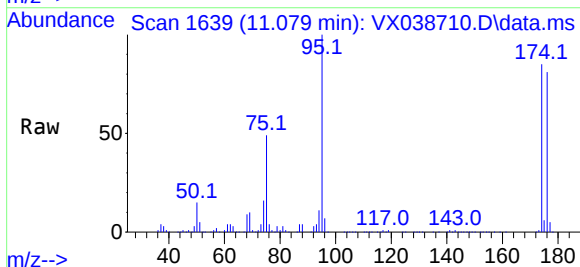
Instrument :
MSVOA_X
ClientSampleId :

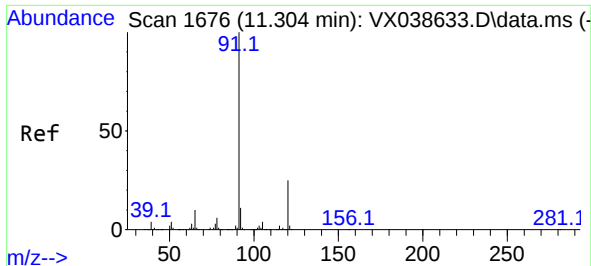
Tgt Ion:105 Resp: 18901
Ion Ratio Lower Upper
105 100
120 26.2 12.9 38.6



#76
1,2,3-Trichloropropane
Concen: 20.859 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX038710.D
Acq: 10 Nov 2023 07:21

Tgt Ion: 75 Resp: 111489
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#

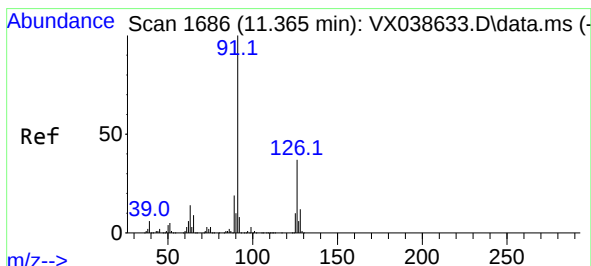
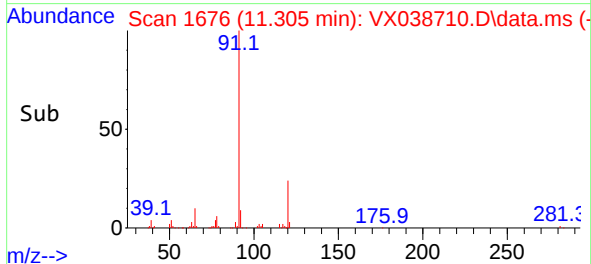
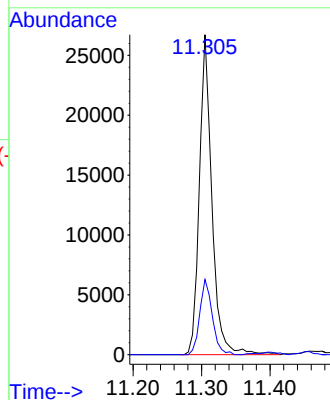
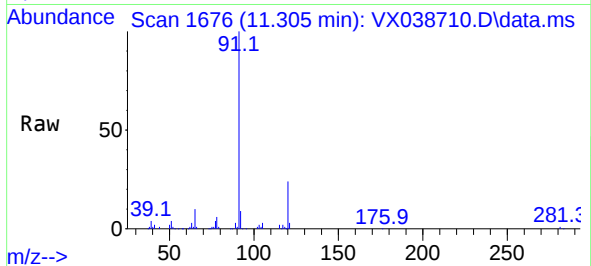




#78
n-propylbenzene
Concen: 1.770 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX038710.D
Acq: 10 Nov 2023 07:21

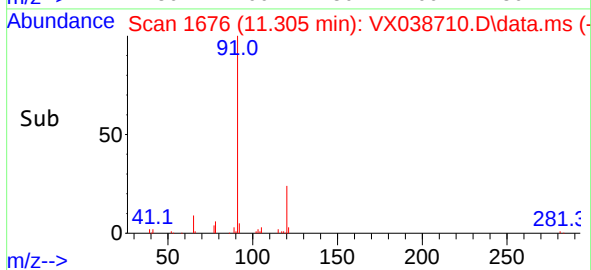
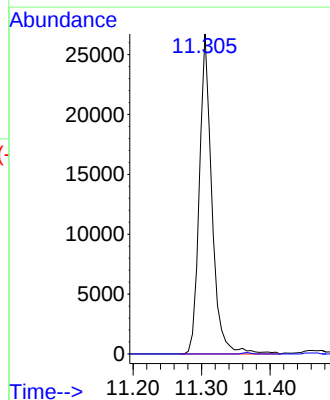
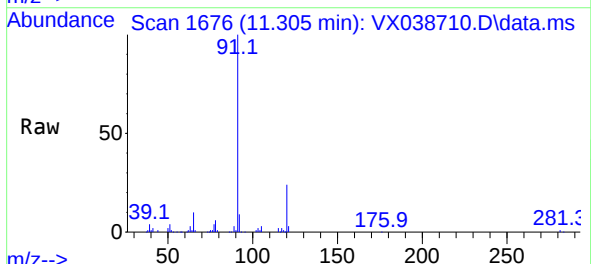
Instrument :
MSVOA_X
ClientSampleId :

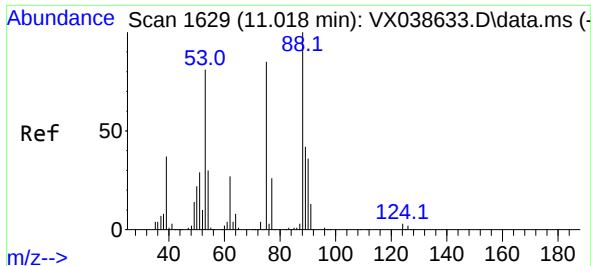
Tgt Ion: 91 Resp: 34093
Ion Ratio Lower Upper
91 100
120 23.5 11.5 34.4



#79
2-Chlorotoluene
Concen: 2.956 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.060 min
Lab File: VX038710.D
Acq: 10 Nov 2023 07:21

Tgt Ion: 91 Resp: 34093
Ion Ratio Lower Upper
91 100
126 0.0 16.3 48.8#

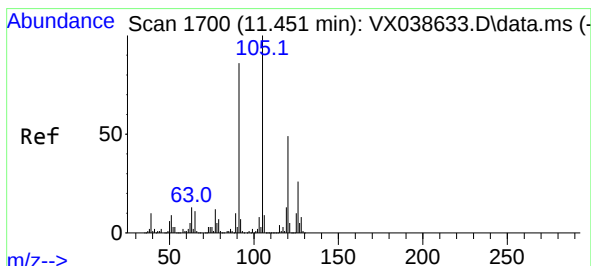
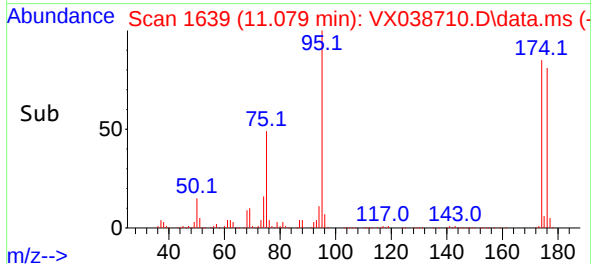
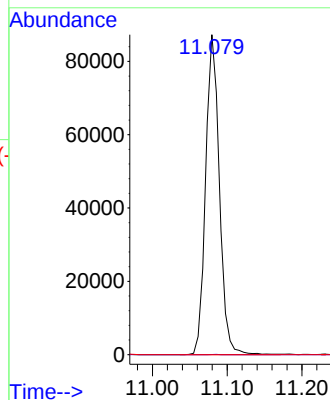
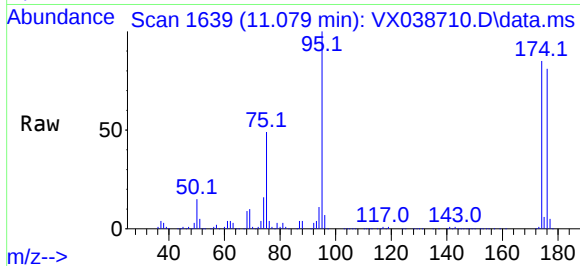




#81
trans-1,4-Dichloro-2-butene
Concen: 63.453 ug/l
RT: 11.079 min Scan# 111489
Delta R.T. 0.061 min
Lab File: VX038710.D
Acq: 10 Nov 2023 07:21

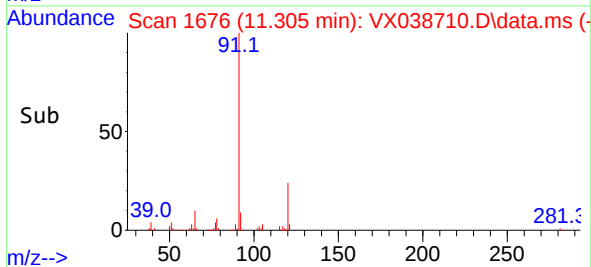
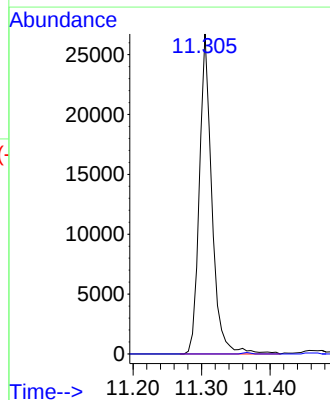
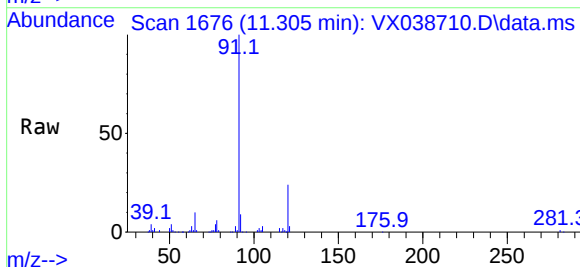
Instrument :
MSVOA_X
ClientSampleId :

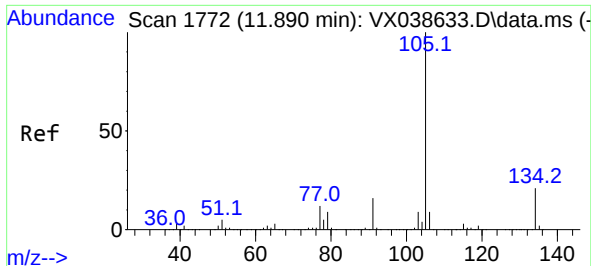
Tgt Ion: 75 Resp: 111489
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 2.530 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.146 min
Lab File: VX038710.D
Acq: 10 Nov 2023 07:21

Tgt Ion: 91 Resp: 34093
Ion Ratio Lower Upper
91 100
126 0.0 14.2 42.6#

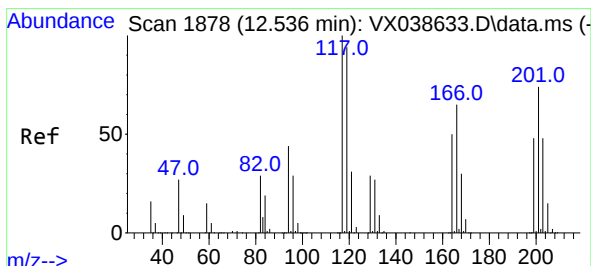
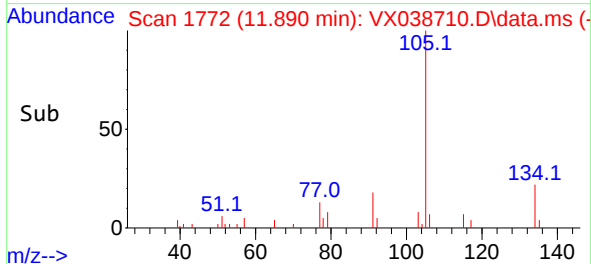
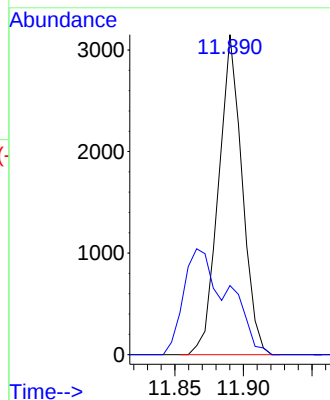
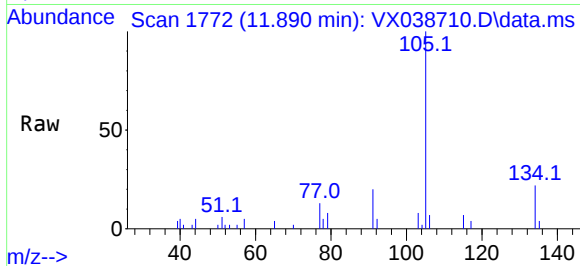




#85
sec-Butylbenzene
Concen: 0.209 ug/l
RT: 11.890 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038710.D
Acq: 10 Nov 2023 07:21

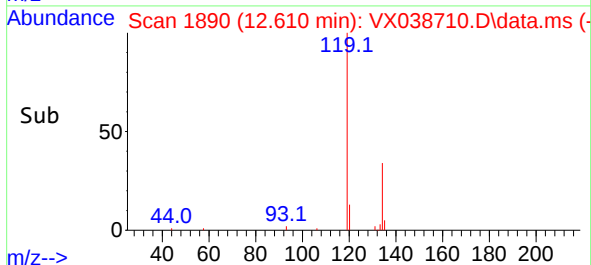
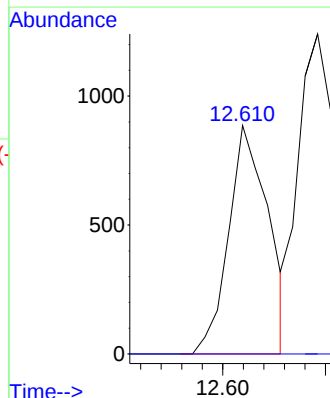
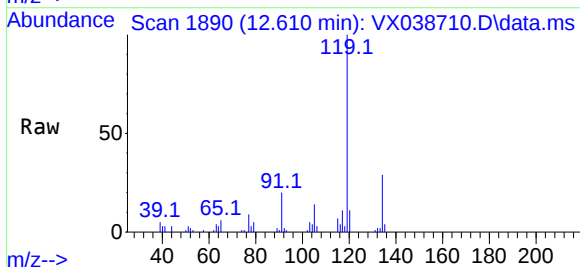
Instrument :
MSVOA_X
ClientSampleId :

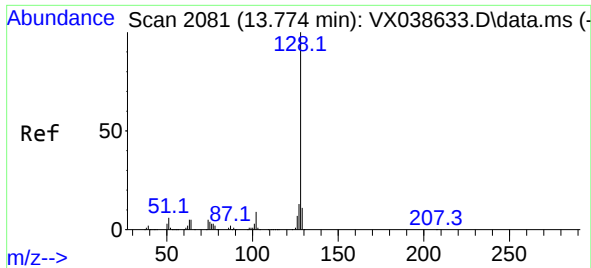
Tgt Ion:105 Resp: 3774
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.4#



#90
Hexachloroethane
Concen: 0.457 ug/l
RT: 12.610 min Scan# 1890
Delta R.T. 0.074 min
Lab File: VX038710.D
Acq: 10 Nov 2023 07:21

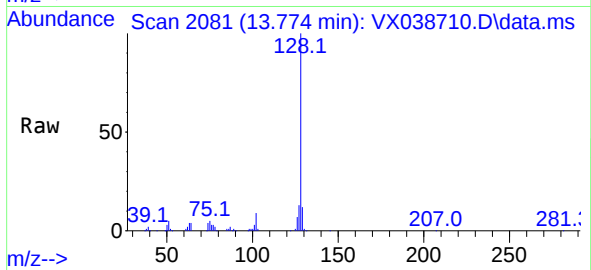
Tgt Ion:117 Resp: 1189
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#





#95
Naphthalene
Concen: 2.541 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX038710.D
Acq: 10 Nov 2023 07:21

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 46518
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.2 8.8 13.2

