

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102723\
 Data File : VX038612.D
 Acq On : 27 Oct 2023 18:55
 Operator : JC/MD
 Sample : 05107-18 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 30 01:34:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

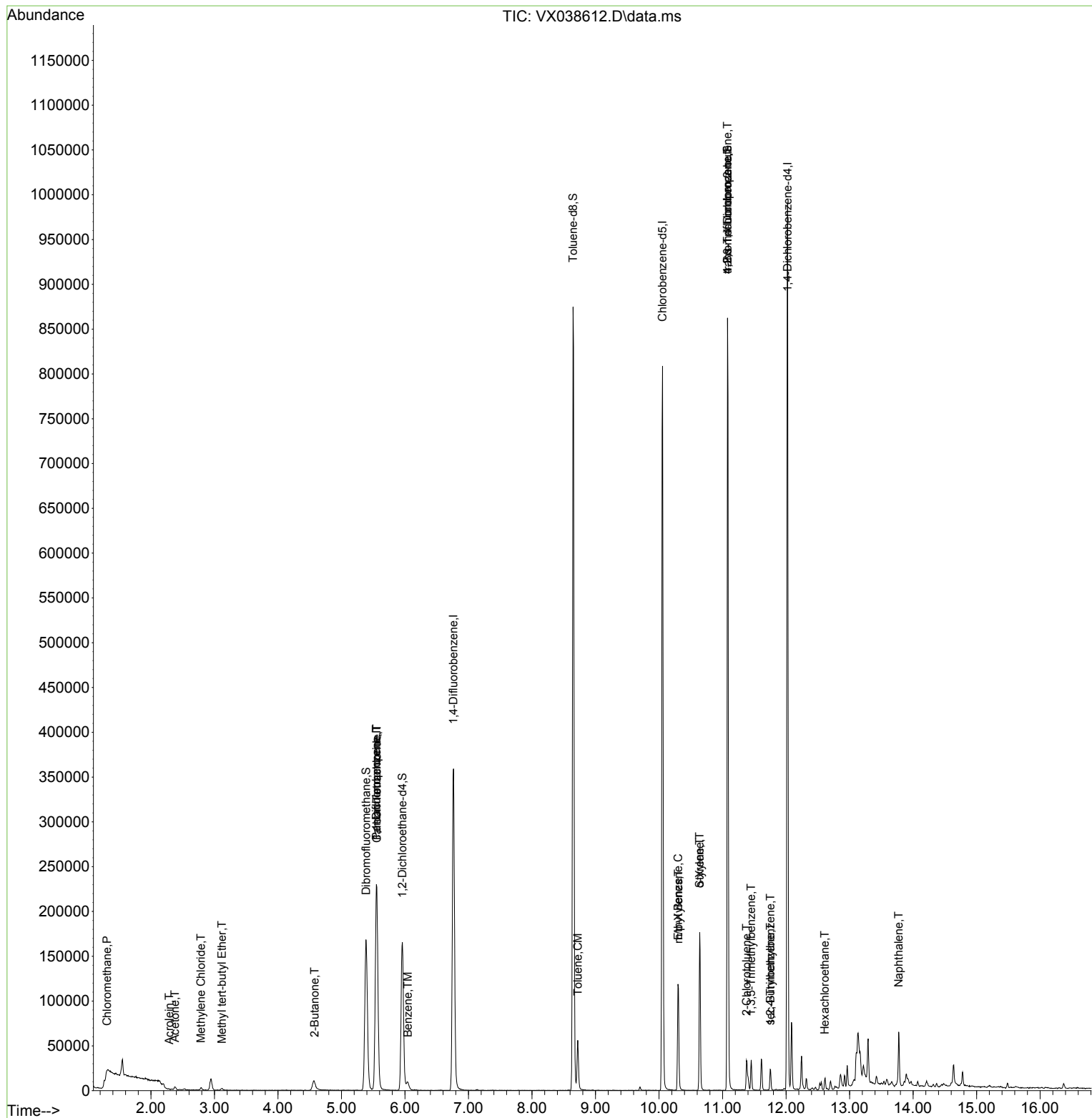
Internal Standards						
1) Pentafluorobenzene	5.550	168	233123	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	386226	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	396569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	224041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	164613	43.901	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	87.800%		
35) Dibromofluoromethane	5.385	113	147155	52.876	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.760%		
50) Toluene-d8	8.647	98	538115	50.601	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.200%		
62) 4-Bromofluorobenzene	11.079	95	223158	55.351	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	110.700%		
Target Compounds					Qvalue	
3) Chloromethane	1.307	50	926	0.404	ug/l	# 43
5) Bromomethane	1.611	94	368	Below Cal		# 52
6) Chloroethane	1.703	64	461	Below Cal		# 52
11) Tert butyl alcohol	2.940	59	7238	Below Cal		# 85
13) Acrolein	2.288	56	190	0.356	ug/l	# 14
16) Acetone	2.380	43	3213	2.053	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	1999	0.235	ug/l	# 73
20) Methylene Chloride	2.788	84	1430	0.486	ug/l	# 72
25) 2-Butanone	4.574	43	1044	0.413	ug/l	# 51
36) 1,1-Dichloropropene	5.550	75	16946	4.416	ug/l	# 47
38) Carbon Tetrachloride	5.556	117	22915	6.070	ug/l	# 15
40) Benzene	6.044	78	10693	0.996	ug/l	99
52) Toluene	8.720	92	20695	2.960	ug/l	93
67) Ethyl Benzene	10.299	91	61637	4.161	ug/l	# 70
68) m/p-Xylenes	10.305	106	30361	5.301	ug/l	97
69) o-Xylene	10.640	106	39248	7.021	ug/l	99
70) Styrene	10.640	104	2109	0.232	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	111915	21.973	ug/l	# 39
79) 2-Chlorotoluene	11.378	91	3213	0.295	ug/l	# 42
80) 1,3,5-Trimethylbenzene	11.451	105	14445	1.114	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.079	75	111915	63.018	ug/l	# 5
84) 1,2,4-Trimethylbenzene	11.756	105	11446	0.886	ug/l	99
85) sec-Butylbenzene	11.756	105	11446	0.698	ug/l	# 57
90) Hexachloroethane	12.609	117	762	0.340	ug/l	# 17
95) Naphthalene	13.774	128	36394	2.200	ug/l	99

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

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Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration

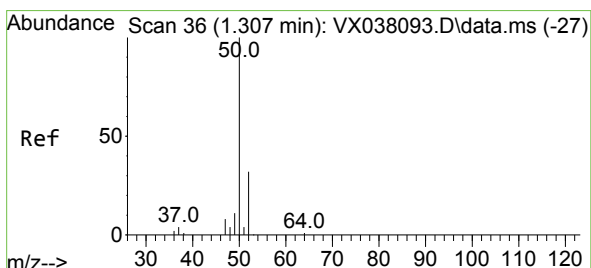
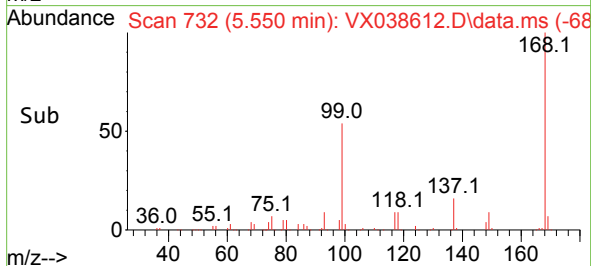
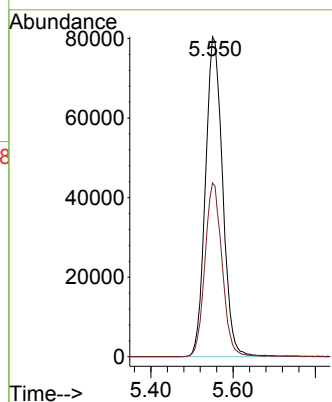
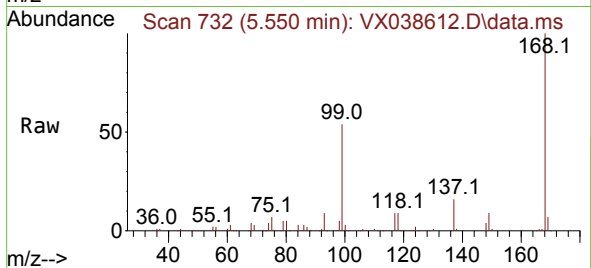




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038612.D
Acq: 27 Oct 2023 18:55

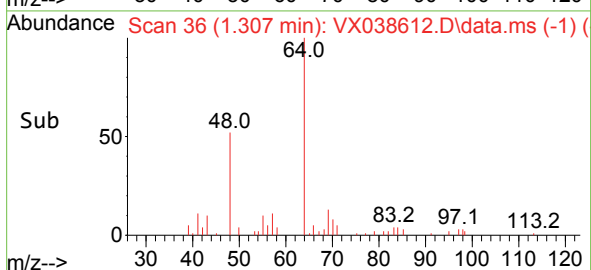
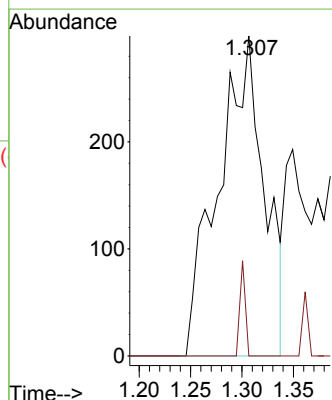
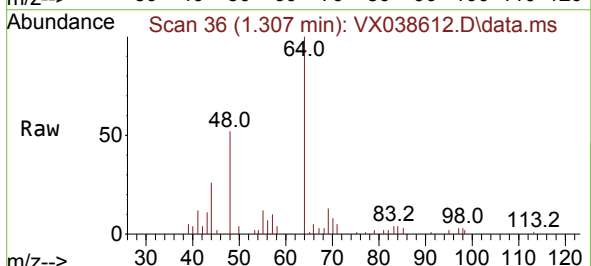
Instrument :
MSVOA_X
ClientSampleId :

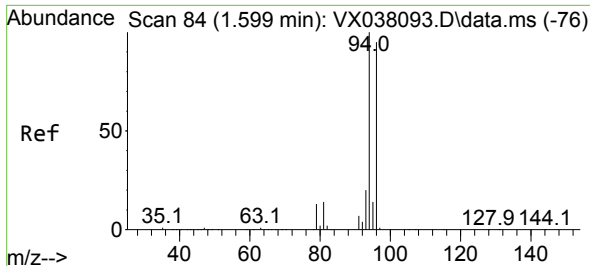
Tgt Ion:168 Resp: 233123
Ion Ratio Lower Upper
168 100
99 54.3 56.6 85.0#



#3
Chloromethane
Concen: 0.404 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX038612.D
Acq: 27 Oct 2023 18:55

Tgt Ion: 50 Resp: 926
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

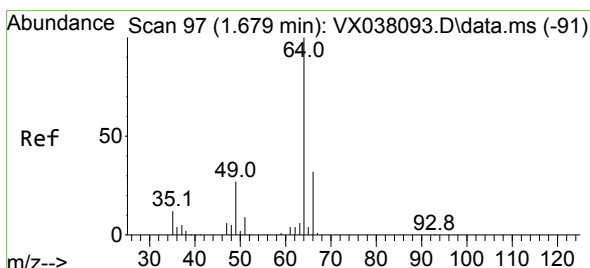
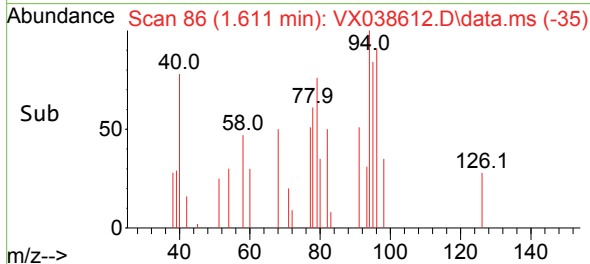
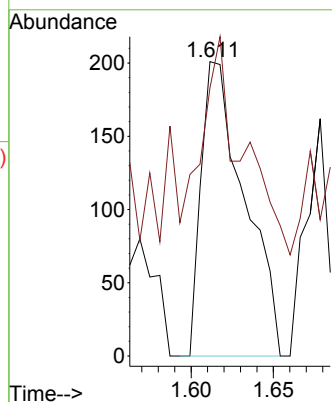
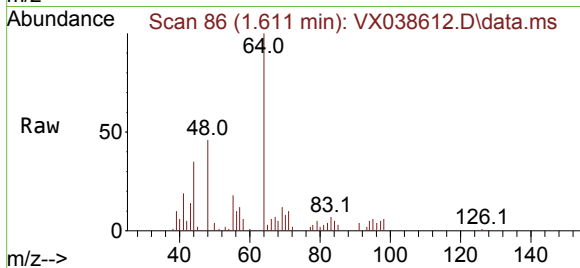




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX038612.D
Acq: 27 Oct 2023 18:55

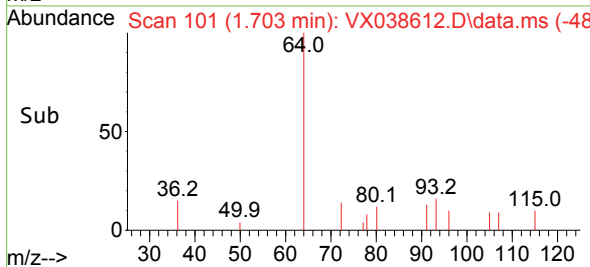
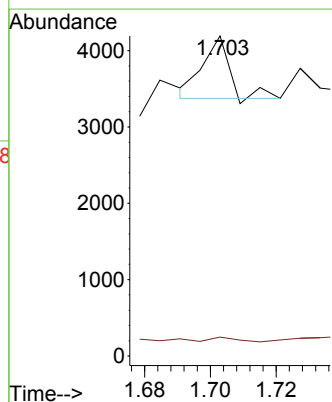
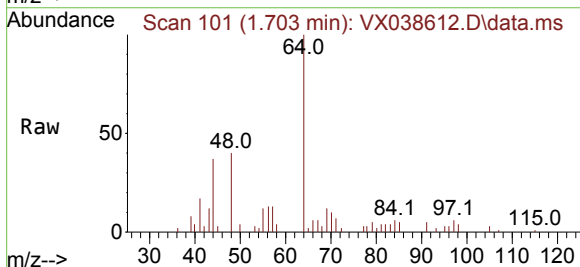
Instrument :
MSVOA_X
ClientSampleId :

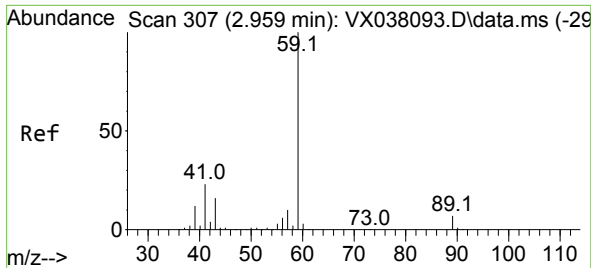
Tgt Ion: 94 Resp: 368
Ion Ratio Lower Upper
94 100
96 46.8 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.703 min Scan# 101
Delta R.T. 0.024 min
Lab File: VX038612.D
Acq: 27 Oct 2023 18:55

Tgt Ion: 64 Resp: 461
Ion Ratio Lower Upper
64 100
66 4.6 25.1 37.7#

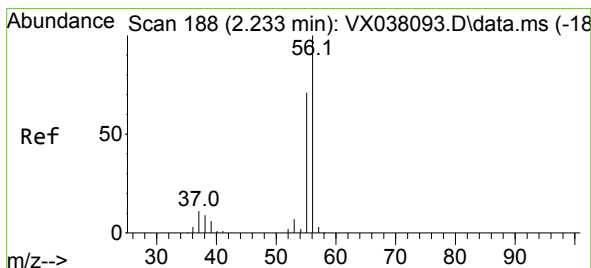
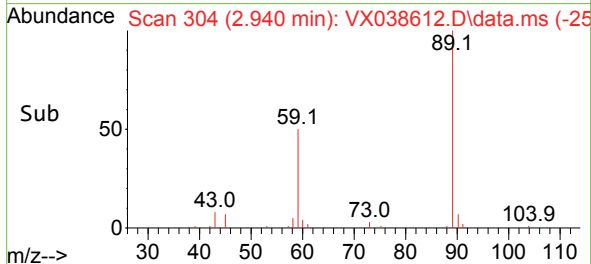
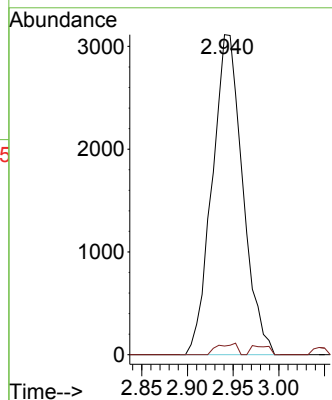
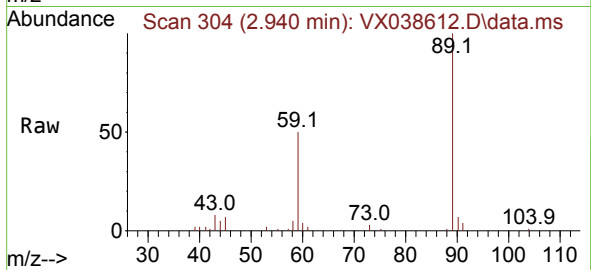




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 30
Delta R.T. -0.019 min
Lab File: VX038612.D
Acq: 27 Oct 2023 18:55

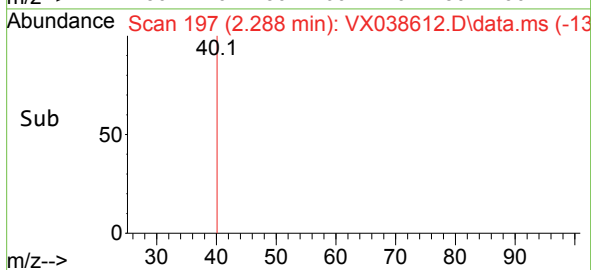
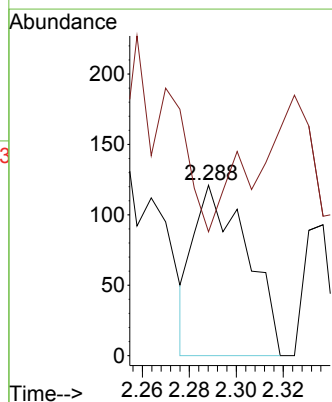
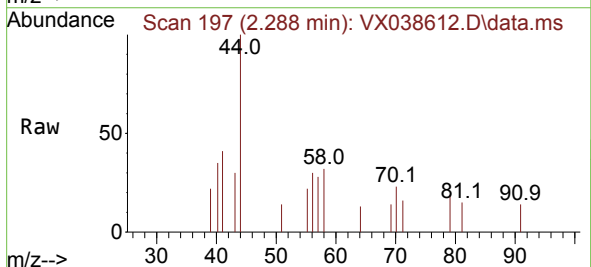
Instrument :
MSVOA_X
ClientSampleId :

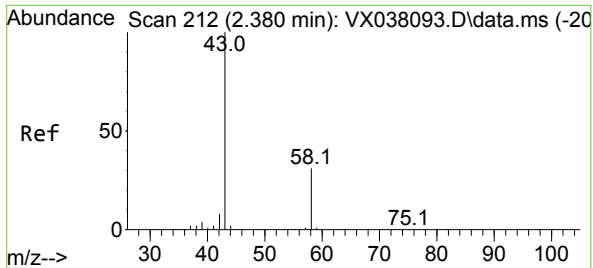
Tgt Ion: 59 Resp: 7238
Ion Ratio Lower Upper
59 100
57 2.3 6.0 9.0#



#13
Acrolein
Concen: 0.356 ug/l
RT: 2.288 min Scan# 197
Delta R.T. 0.055 min
Lab File: VX038612.D
Acq: 27 Oct 2023 18:55

Tgt Ion: 56 Resp: 190
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#

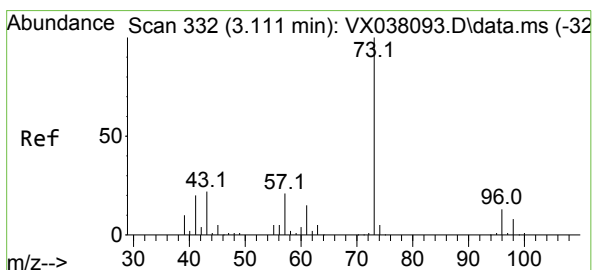
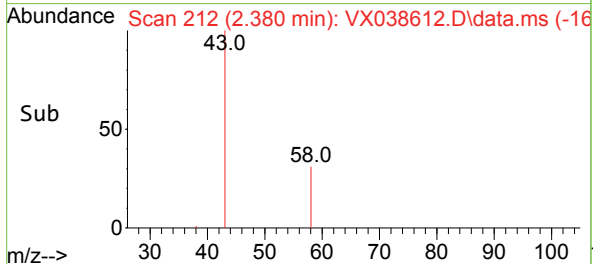
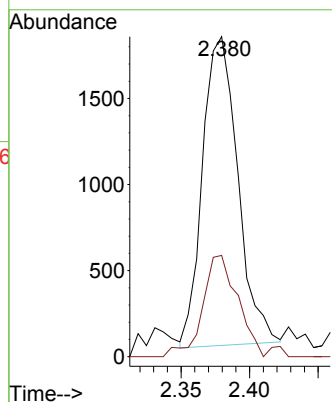
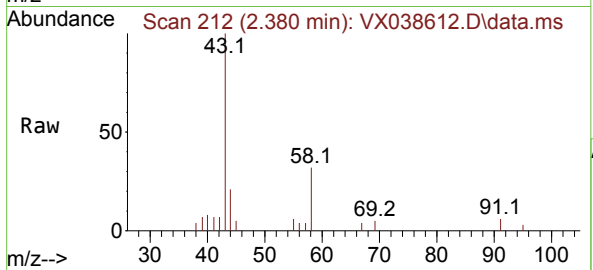




#16
Acetone
Concen: 2.053 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038612.D
Acq: 27 Oct 2023 18:55

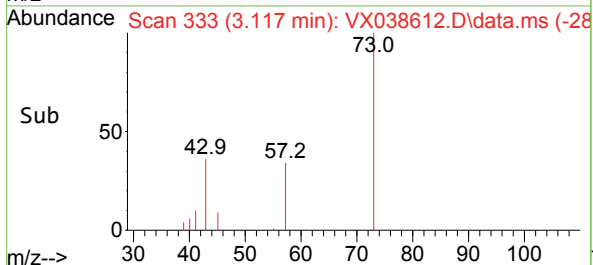
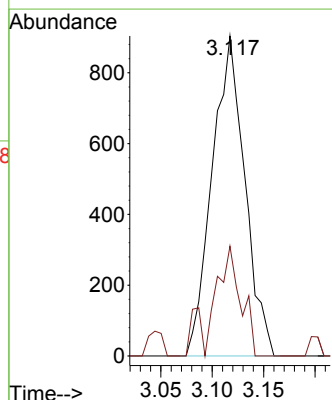
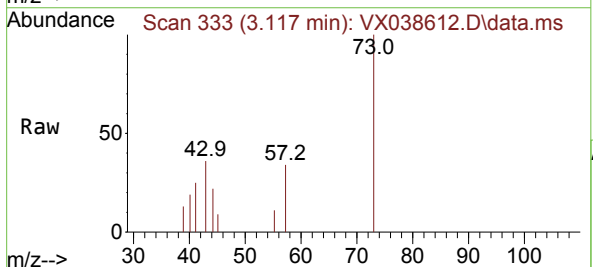
Instrument :
MSVOA_X
ClientSampleId :

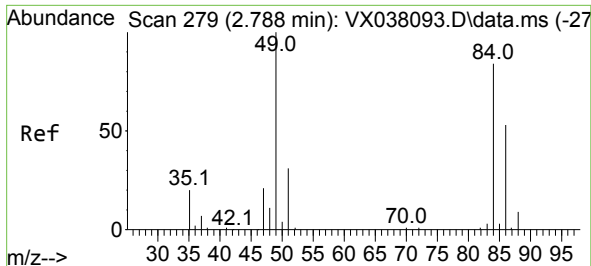
Tgt Ion: 43 Resp: 3213
Ion Ratio Lower Upper
43 100
58 30.3 21.9 32.9



#19
Methyl tert-butyl Ether
Concen: 0.235 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX038612.D
Acq: 27 Oct 2023 18:55

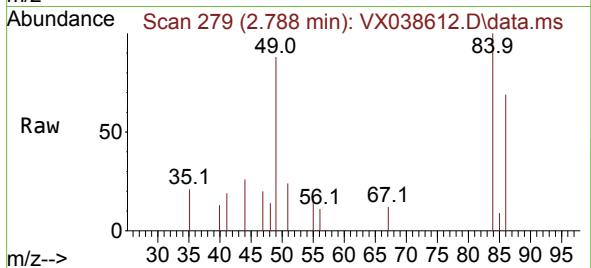
Tgt Ion: 73 Resp: 1999
Ion Ratio Lower Upper
73 100
57 34.3 17.3 25.9





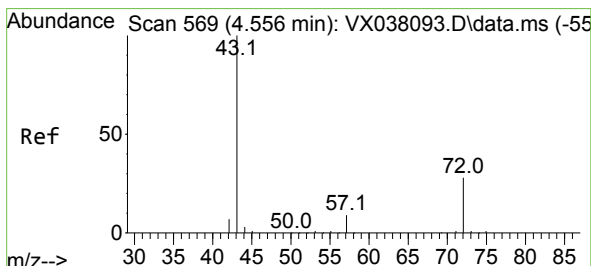
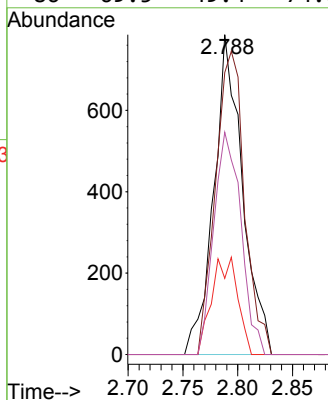
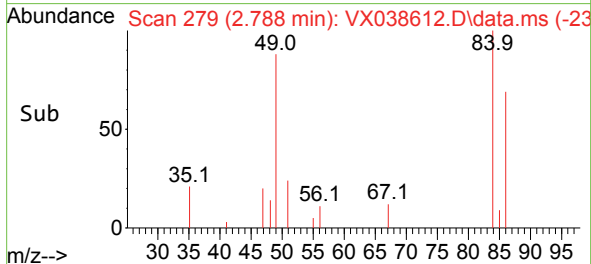
#20
Methylene Chloride
Concen: 0.486 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX038612.D
Acq: 27 Oct 2023 18:55

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 1430

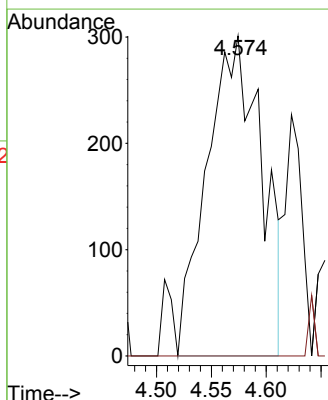
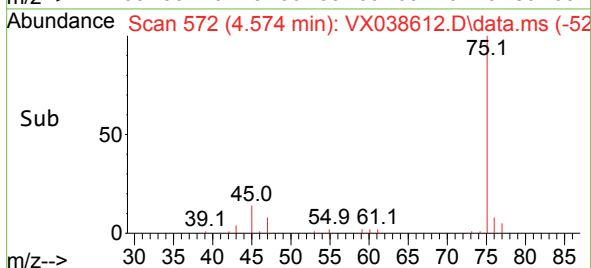
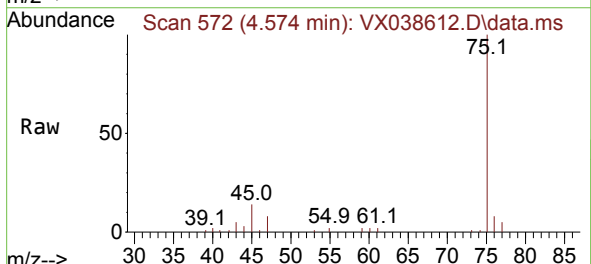
Ion	Ratio	Lower	Upper
84	100		
49	88.2	103.6	155.4#
51	23.8	33.8	50.6#
86	69.5	49.4	74.0

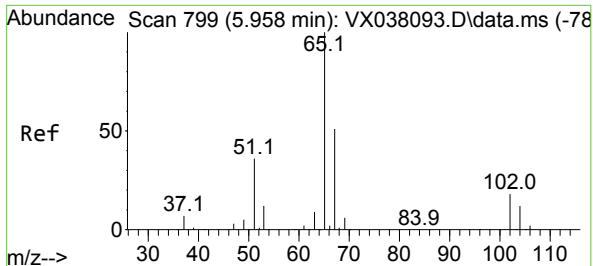


#25
2-Butanone
Concen: 0.413 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX038612.D
Acq: 27 Oct 2023 18:55

Tgt Ion: 43 Resp: 1044

Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.4	29.2#





#33

1,2-Dichloroethane-d4

Concen: 43.901 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038612.D

Acq: 27 Oct 2023 18:55

Instrument :

MSVOA_X

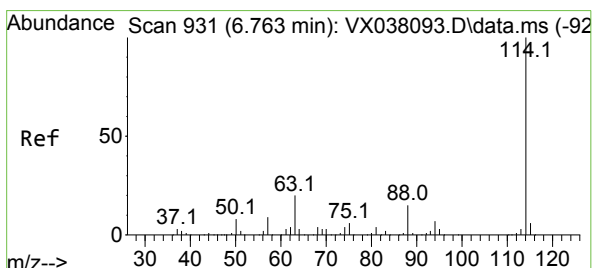
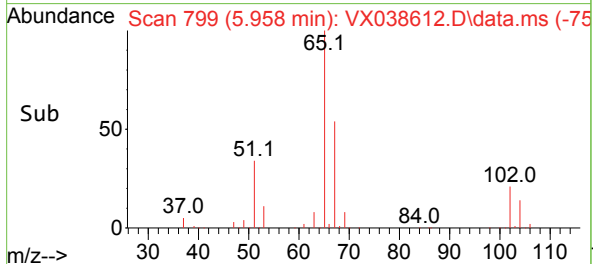
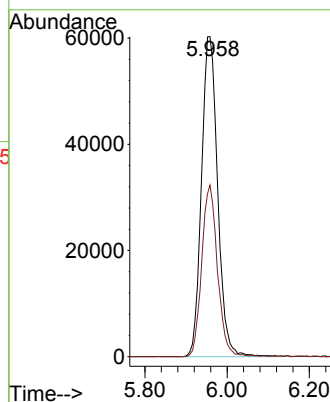
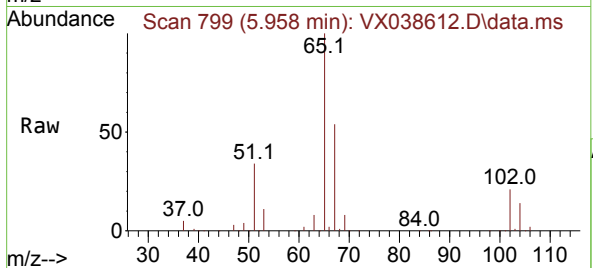
ClientSampleId :

Tgt Ion: 65 Resp: 164613

Ion Ratio Lower Upper

65 100

67 51.9 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: VX038612.D

Acq: 27 Oct 2023 18:55

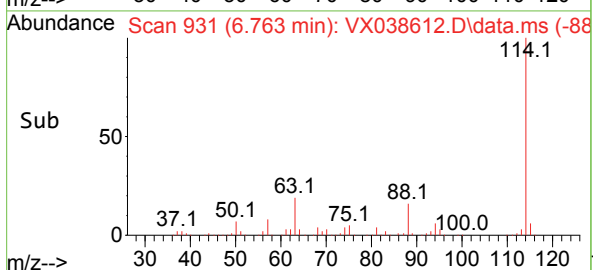
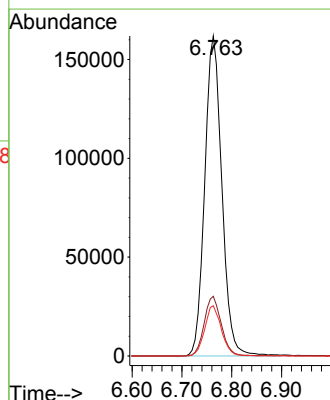
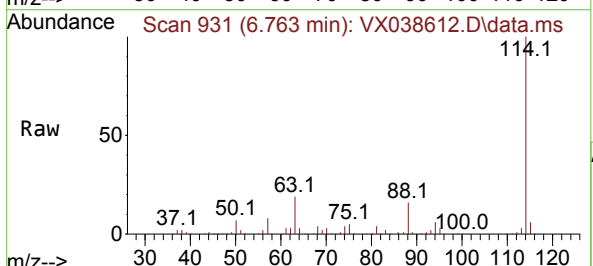
Tgt Ion: 114 Resp: 386226

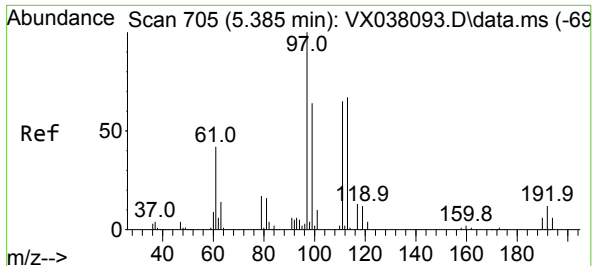
Ion Ratio Lower Upper

114 100

63 18.7 0.0 45.0

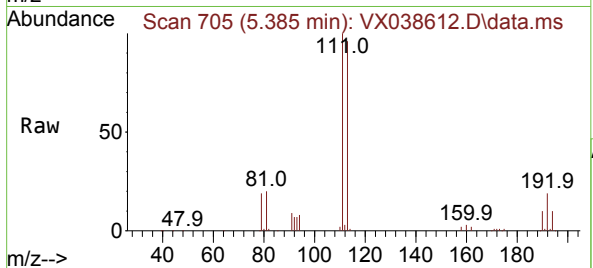
88 15.7 0.0 36.6



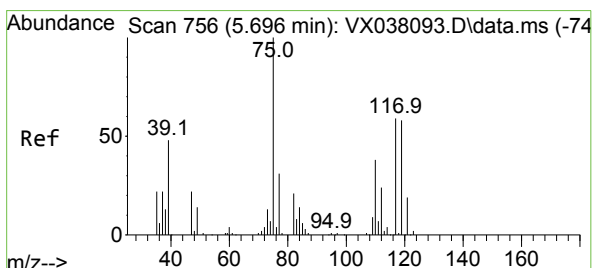
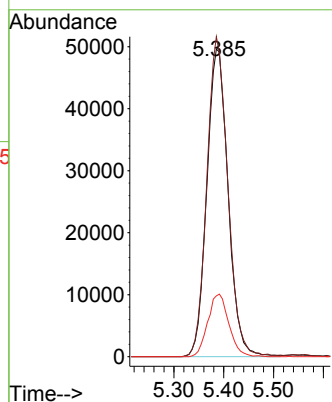
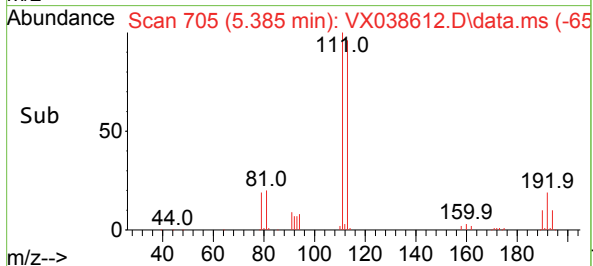


#35
Dibromofluoromethane
Concen: 52.876 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038612.D
Acq: 27 Oct 2023 18:55

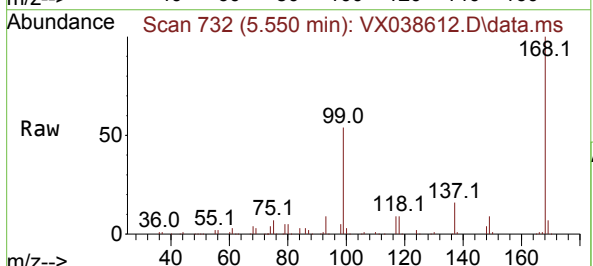
Instrument :
MSVOA_X
ClientSampleId :



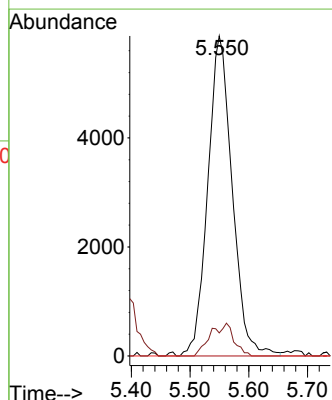
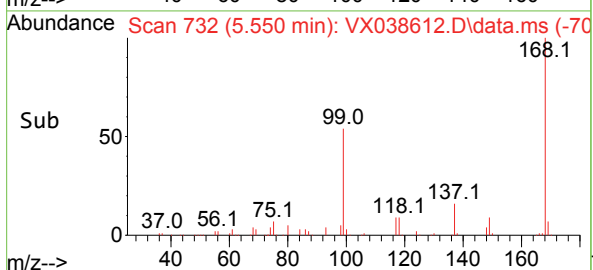
Tgt Ion:113 Resp: 147155
Ion Ratio Lower Upper
113 100
111 102.3 82.9 124.3
192 20.1 13.3 19.9#

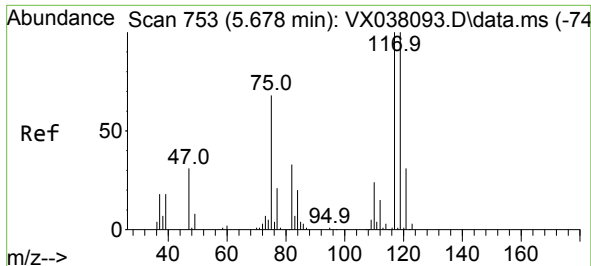


#36
1,1-Dichloropropene
Concen: 4.416 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038612.D
Acq: 27 Oct 2023 18:55



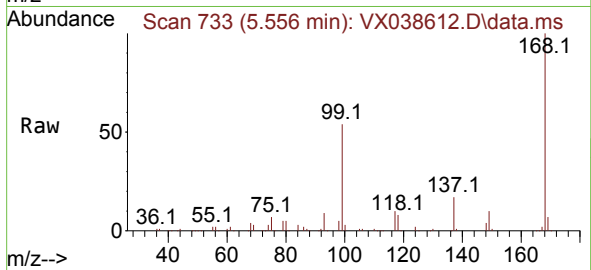
Tgt Ion: 75 Resp: 16946
Ion Ratio Lower Upper
75 100
110 5.1 17.0 50.9#
77 0.0 24.7 37.1#



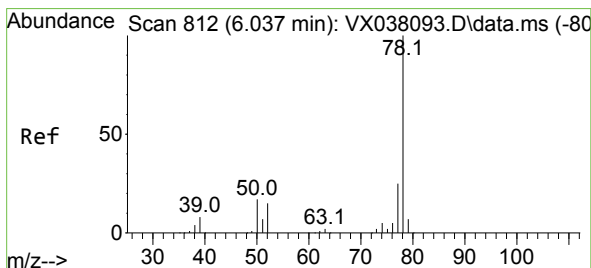
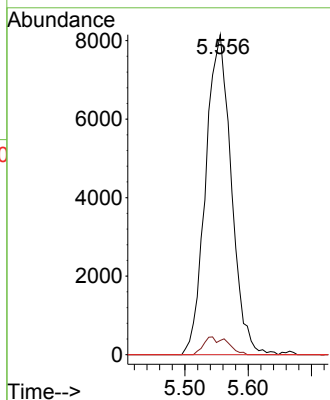
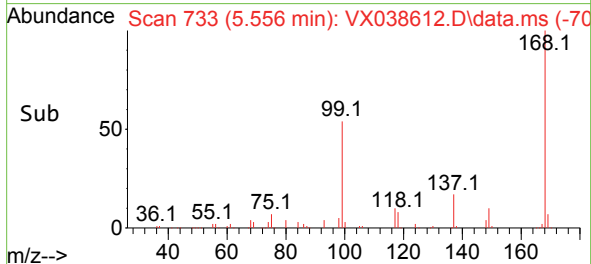


#38
Carbon Tetrachloride
Concen: 6.070 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX038612.D
Acq: 27 Oct 2023 18:55

Instrument :
MSVOA_X
ClientSampleId :

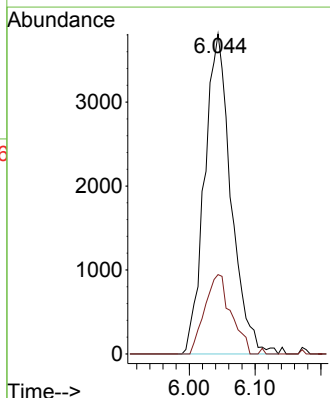
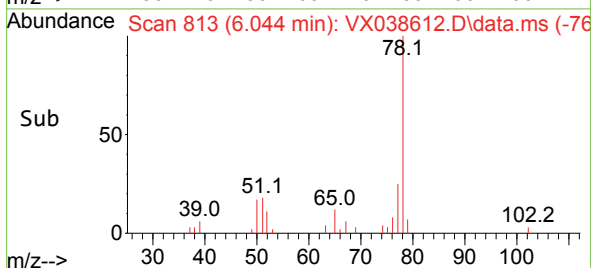
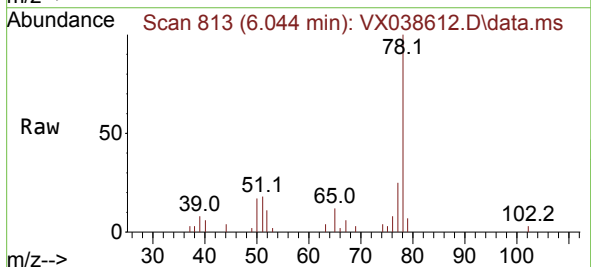


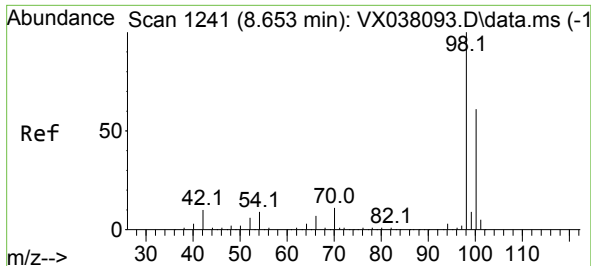
Tgt Ion:117 Resp: 22915
Ion Ratio Lower Upper
117 100
119 4.4 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 0.996 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX038612.D
Acq: 27 Oct 2023 18:55

Tgt Ion: 78 Resp: 10693
Ion Ratio Lower Upper
78 100
77 24.8 19.3 28.9

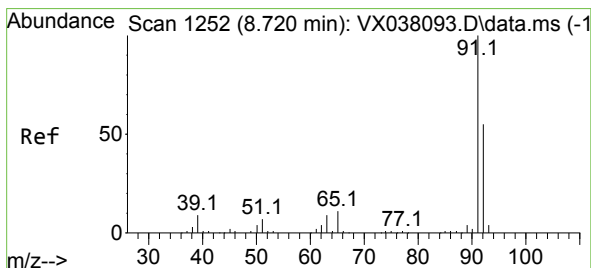
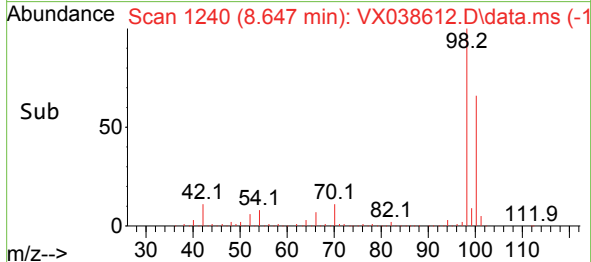
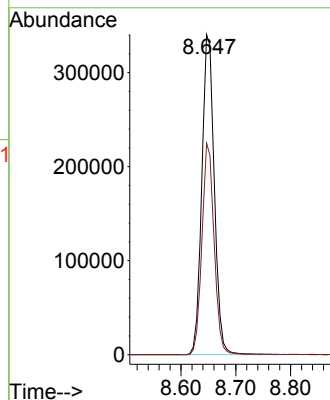
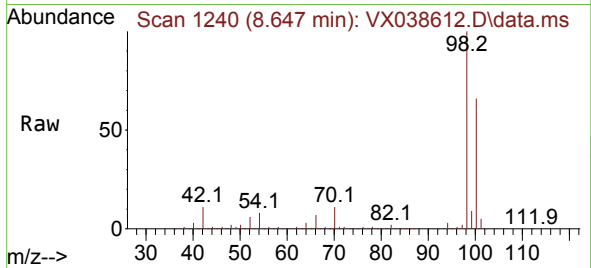




#50
Toluene-d8
Concen: 50.601 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX038612.D
Acq: 27 Oct 2023 18:55

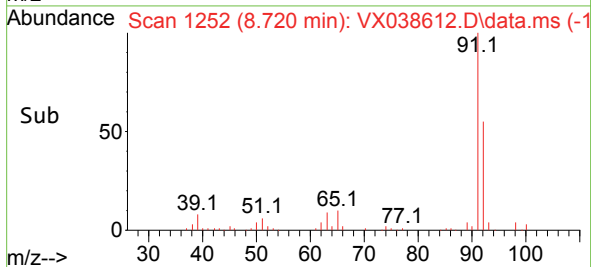
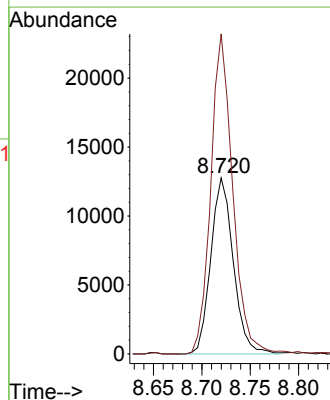
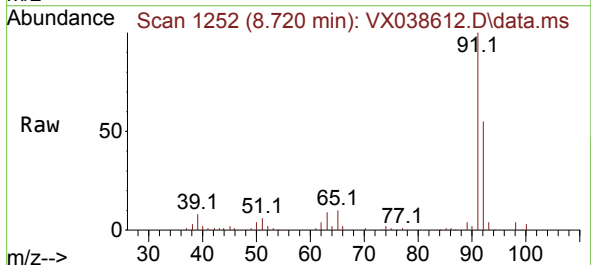
Instrument :
MSVOA_X
ClientSampleId :

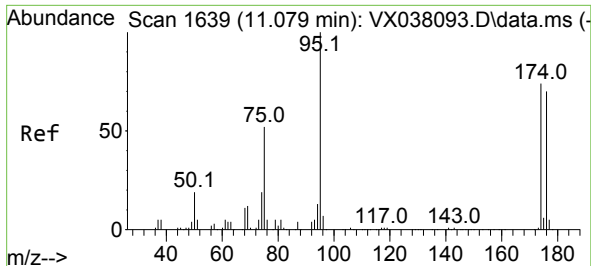
Tgt Ion: 98 Resp: 538115
Ion Ratio Lower Upper
98 100
100 64.6 53.1 79.7



#52
Toluene
Concen: 2.960 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX038612.D
Acq: 27 Oct 2023 18:55

Tgt Ion: 92 Resp: 20695
Ion Ratio Lower Upper
92 100
91 177.9 134.2 201.2

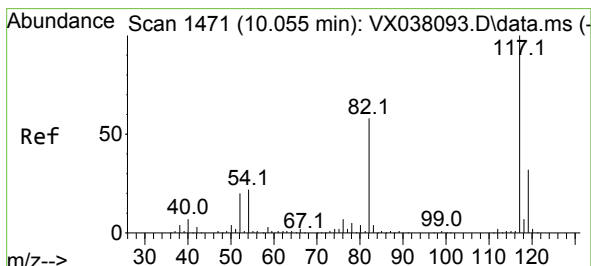
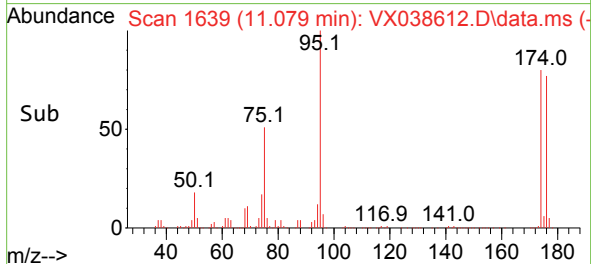
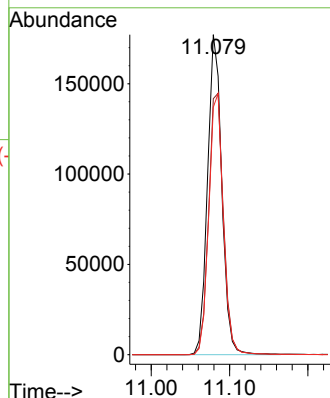
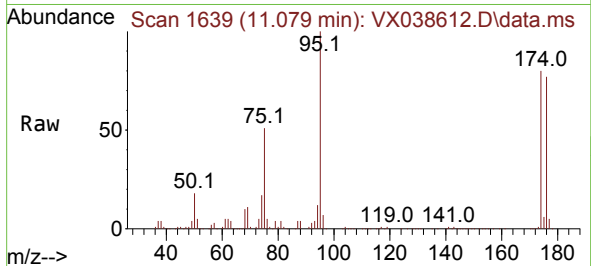




#62
4-Bromofluorobenzene
Concen: 55.351 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038612.D
Acq: 27 Oct 2023 18:55

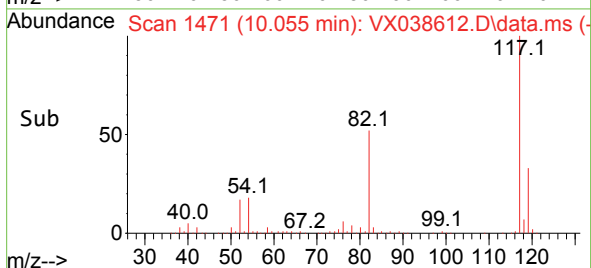
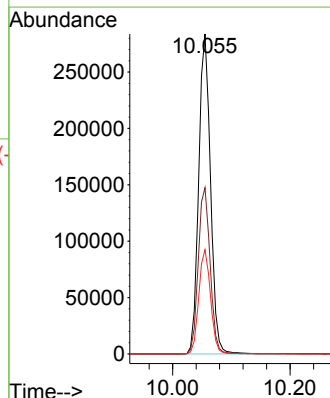
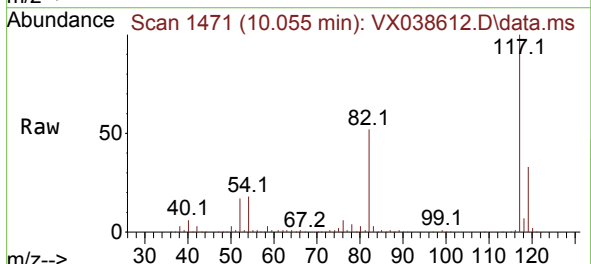
Instrument :
MSVOA_X
ClientSampleId :

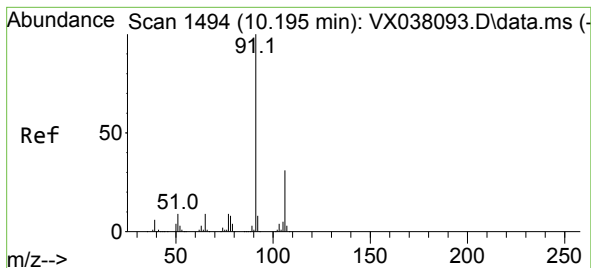
Tgt Ion: 95 Resp: 223158
Ion Ratio Lower Upper
95 100
174 85.3 0.0 135.6
176 83.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038612.D
Acq: 27 Oct 2023 18:55

Tgt Ion: 117 Resp: 396569
Ion Ratio Lower Upper
117 100
82 51.9 46.2 69.4
119 32.6 25.5 38.3





#67

Ethyl Benzene

Concen: 4.161 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.104 min

Lab File: VX038612.D

Acq: 27 Oct 2023 18:55

Instrument :

MSVOA_X

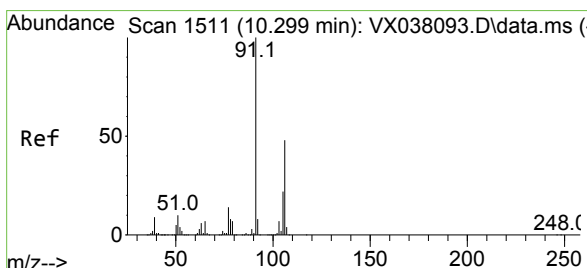
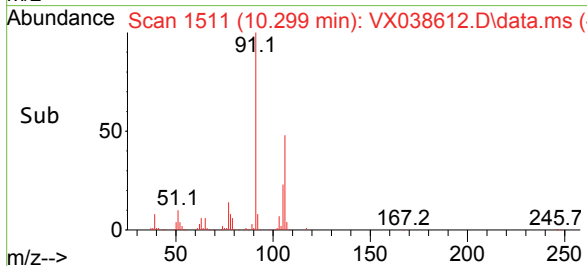
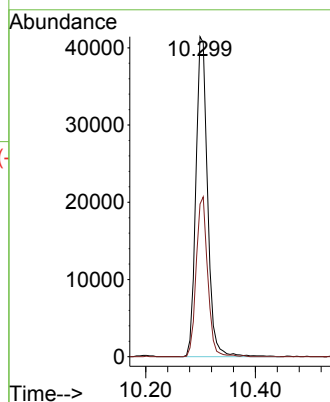
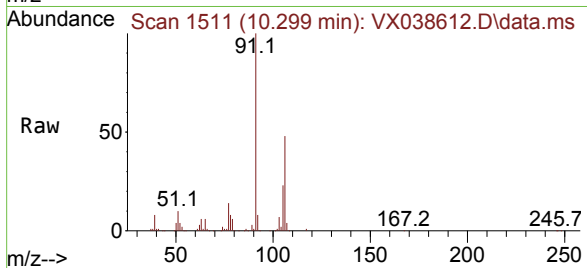
ClientSampleId :

Tgt Ion: 91 Resp: 61637

Ion Ratio Lower Upper

91 100

106 47.7 24.9 37.3#



#68

m/p-Xylenes

Concen: 5.301 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.000 min

Lab File: VX038612.D

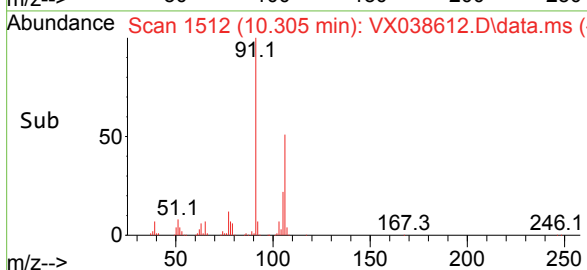
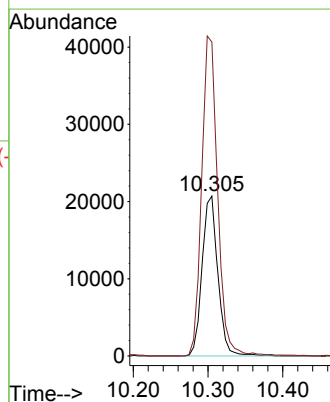
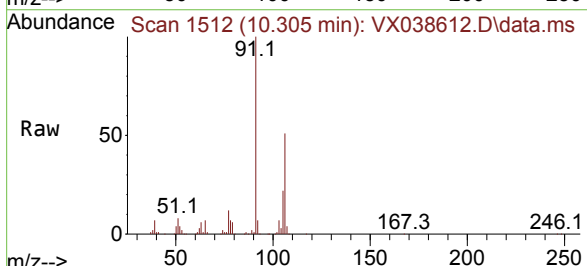
Acq: 27 Oct 2023 18:55

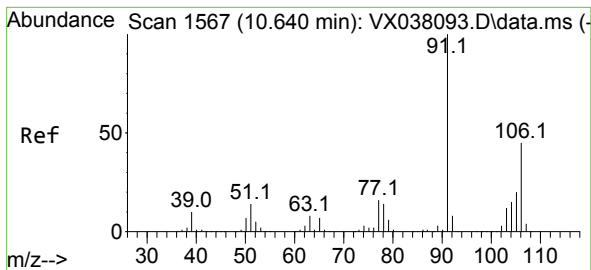
Tgt Ion:106 Resp: 30361

Ion Ratio Lower Upper

106 100

91 203.0 165.5 248.3





#69

o-Xylene

Concen: 7.021 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX038612.D

Acq: 27 Oct 2023 18:55

Instrument :

MSVOA_X

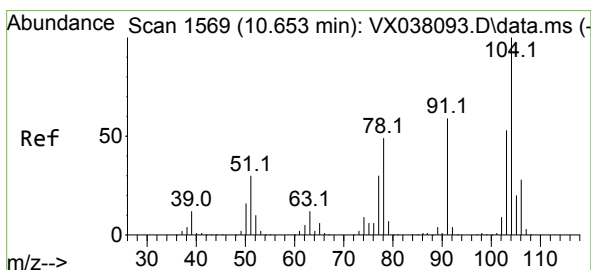
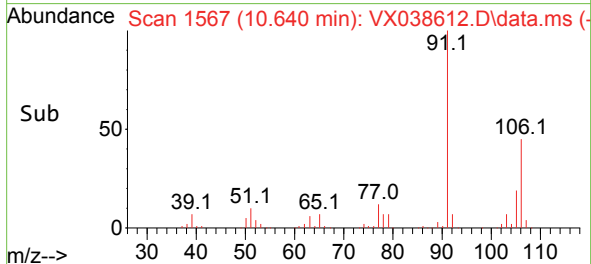
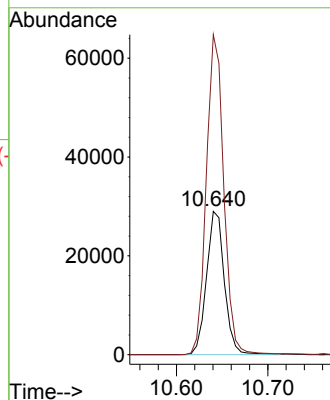
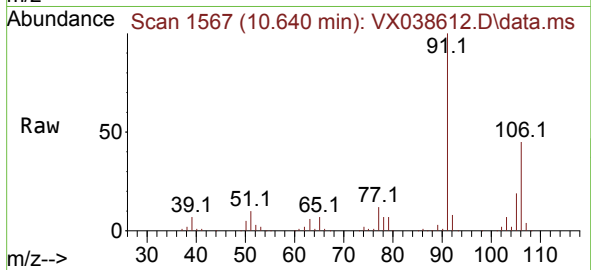
ClientSampleId :

Tgt Ion:106 Resp: 39248

Ion Ratio Lower Upper

106 100

91 218.9 108.9 326.8



#70

Styrene

Concen: 0.232 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.019 min

Lab File: VX038612.D

Acq: 27 Oct 2023 18:55

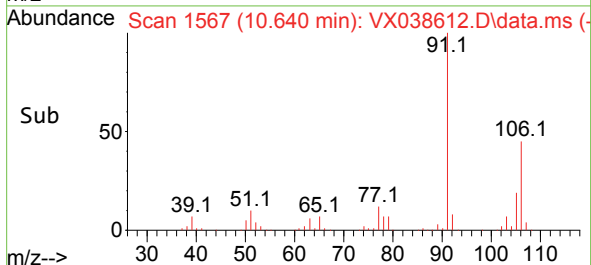
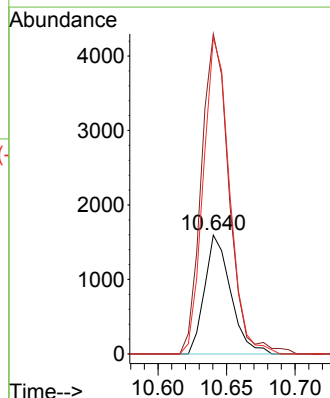
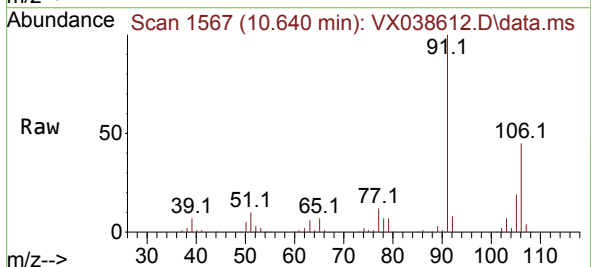
Tgt Ion:104 Resp: 2109

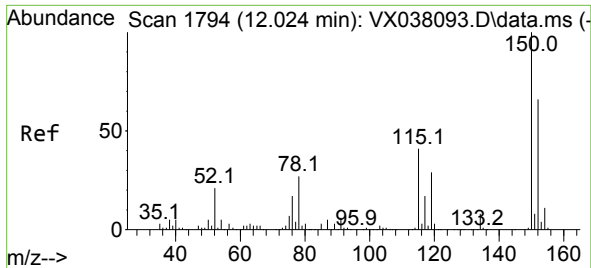
Ion Ratio Lower Upper

104 100

78 285.8 43.6 65.4#

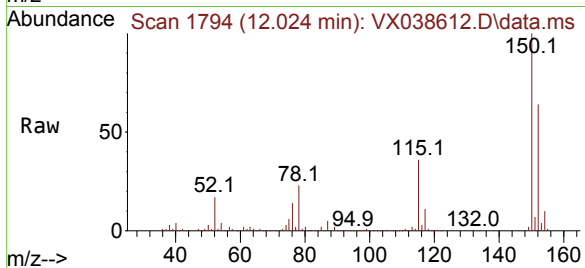
103 268.1 43.6 65.4#



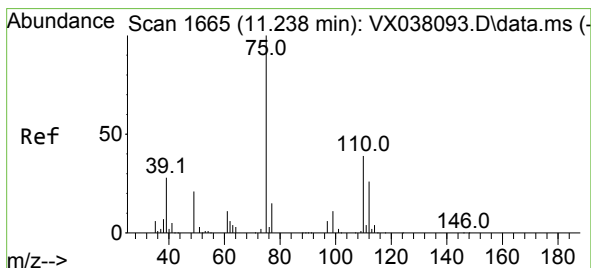
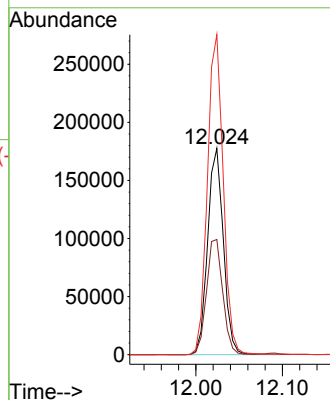
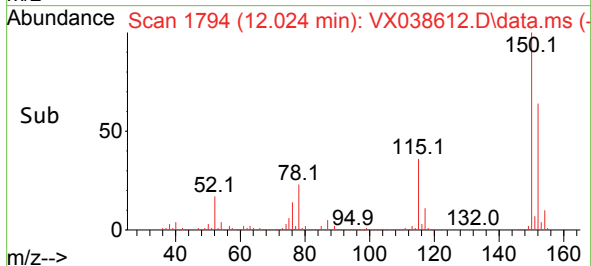


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX038612.D
 Acq: 27 Oct 2023 18:55

Instrument :
 MSVOA_X
 ClientSampleId :

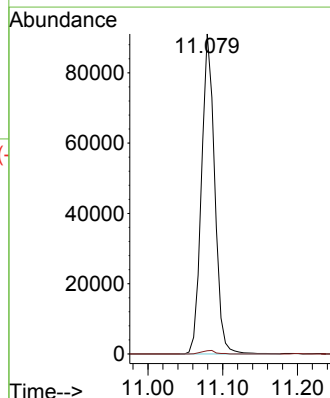
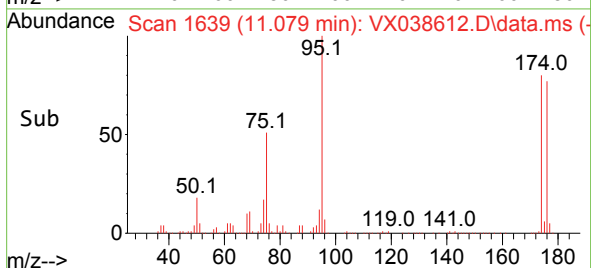
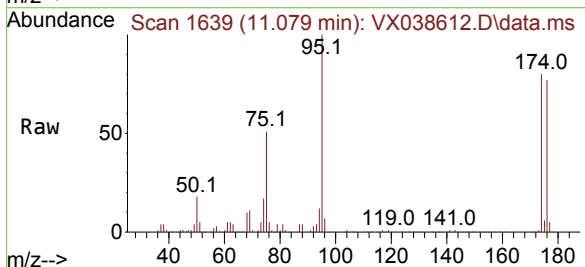


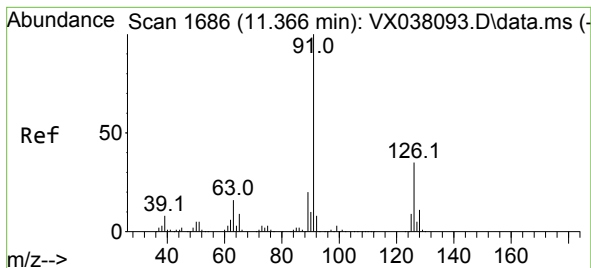
Tgt Ion:152 Resp: 224041
 Ion Ratio Lower Upper
 152 100
 115 57.9 43.3 129.9
 150 156.2 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 21.973 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX038612.D
 Acq: 27 Oct 2023 18:55

Tgt Ion: 75 Resp: 111915
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#





#79

2-Chlorotoluene

Concen: 0.295 ug/l

RT: 11.378 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX038612.D

Acq: 27 Oct 2023 18:55

Instrument :

MSVOA_X

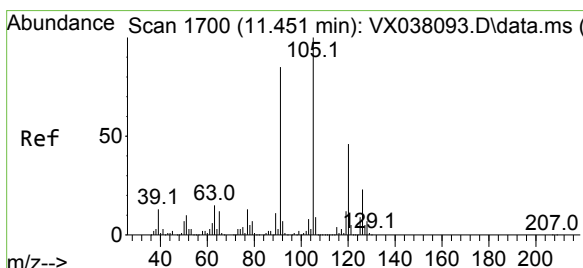
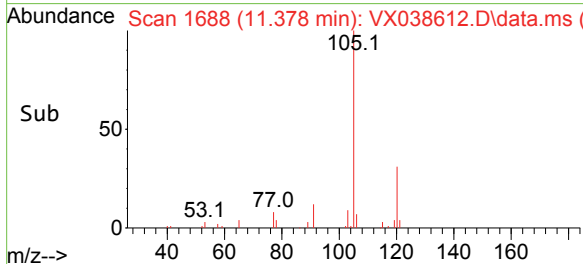
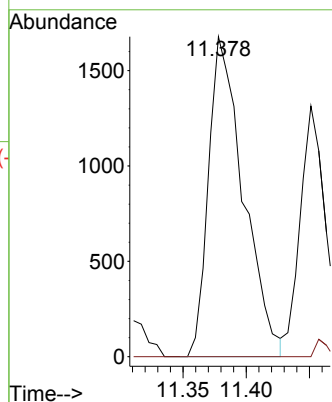
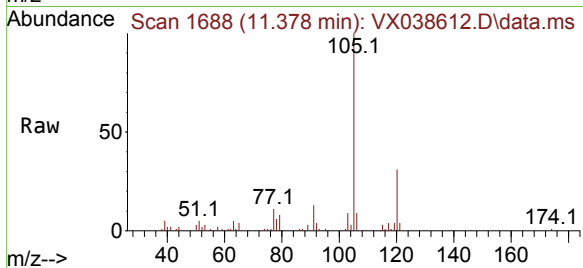
ClientSampleId :

Tgt Ion: 91 Resp: 3213

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.8#



#80

1,3,5-Trimethylbenzene

Concen: 1.114 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX038612.D

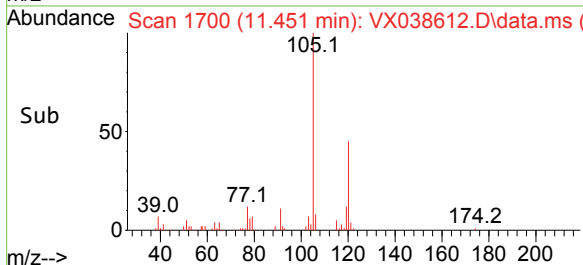
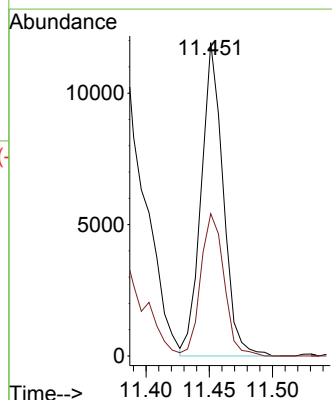
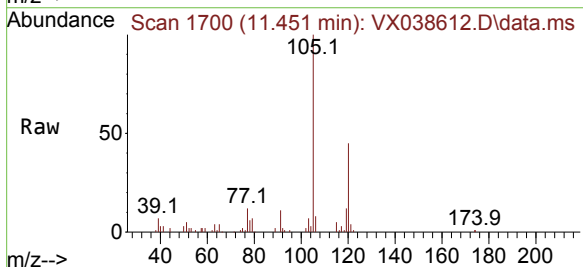
Acq: 27 Oct 2023 18:55

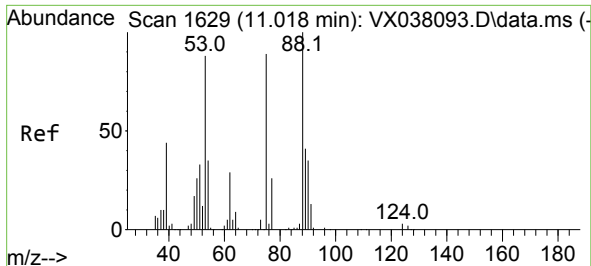
Tgt Ion: 105 Resp: 14445

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.3

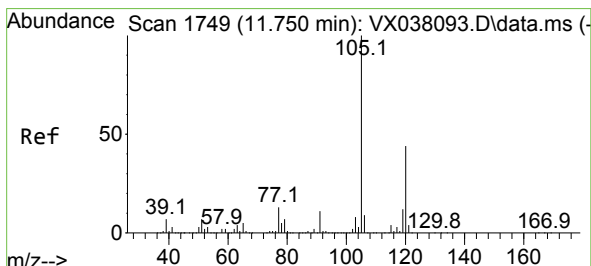
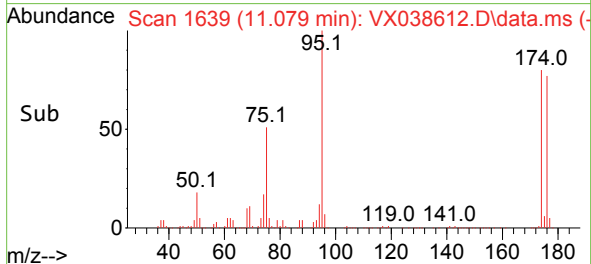
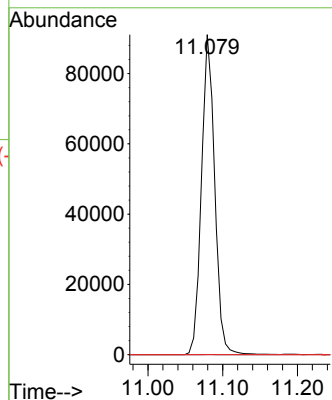
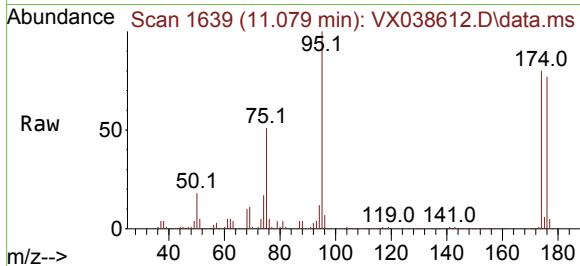




#81
trans-1,4-Dichloro-2-butene
Concen: 63.018 ug/l
RT: 11.079 min Scan# 111915
Delta R.T. 0.061 min
Lab File: VX038612.D
Acq: 27 Oct 2023 18:55

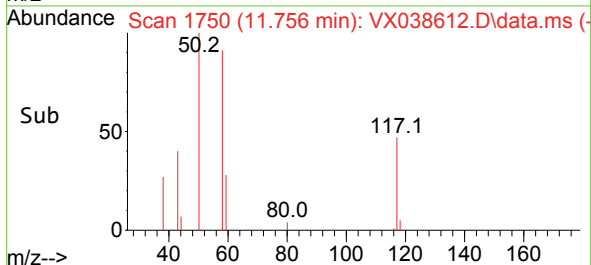
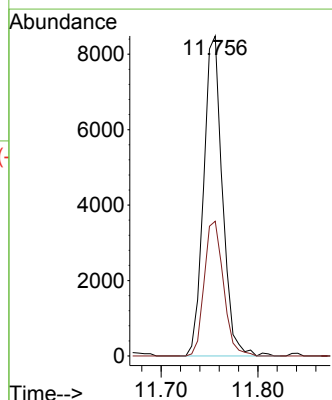
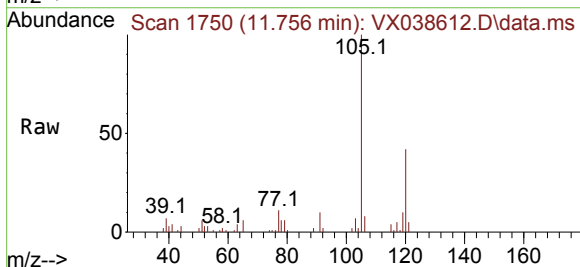
Instrument :
MSVOA_X
ClientSampleId :

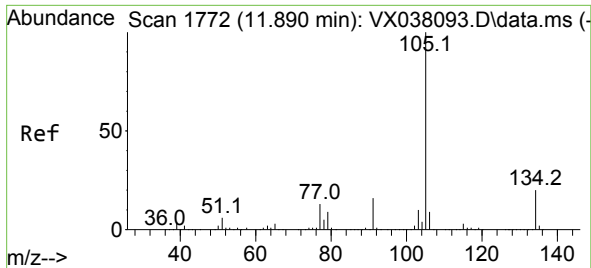
Tgt Ion: 75 Resp: 111915
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.886 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX038612.D
Acq: 27 Oct 2023 18:55

Tgt Ion:105 Resp: 11446
Ion Ratio Lower Upper
105 100
120 43.3 21.2 63.6

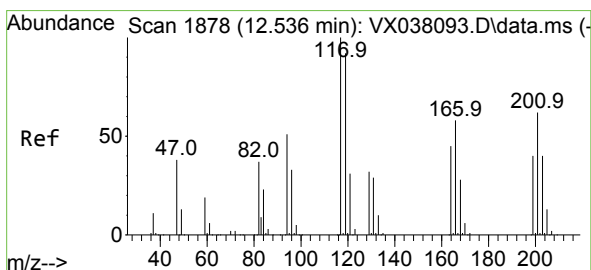
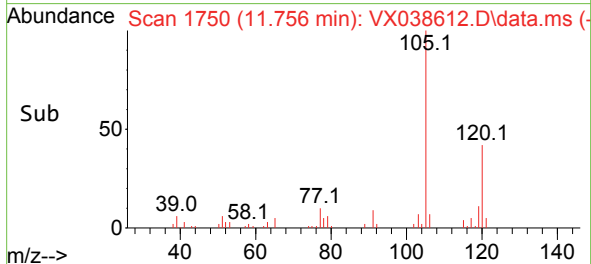
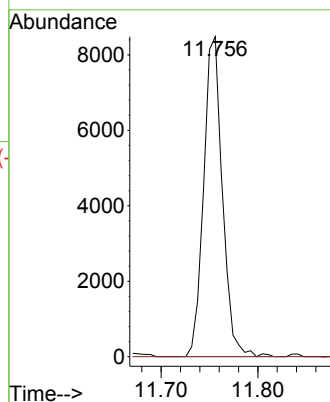
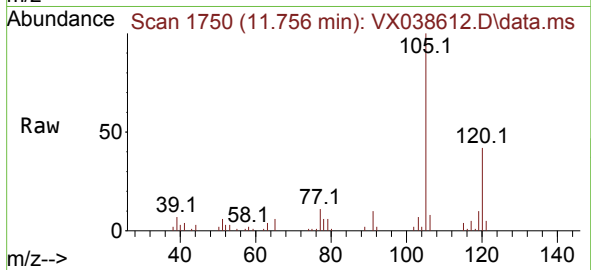




#85
 sec-Butylbenzene
 Concen: 0.698 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. -0.134 min
 Lab File: VX038612.D
 Acq: 27 Oct 2023 18:55

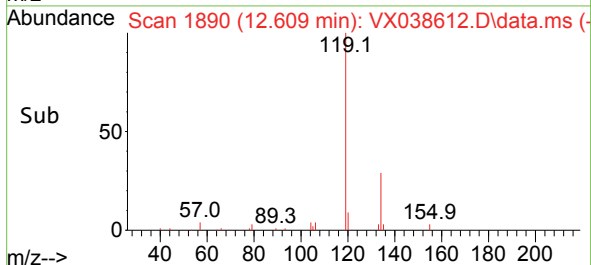
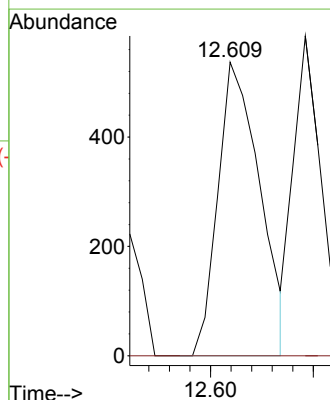
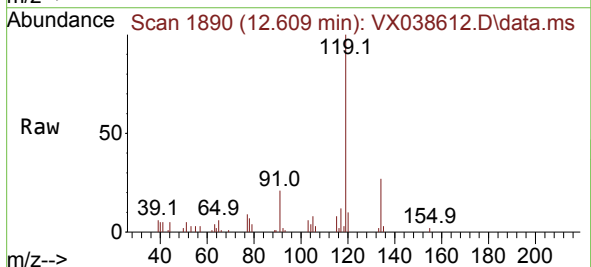
Instrument :
 MSVOA_X
 ClientSampleId :

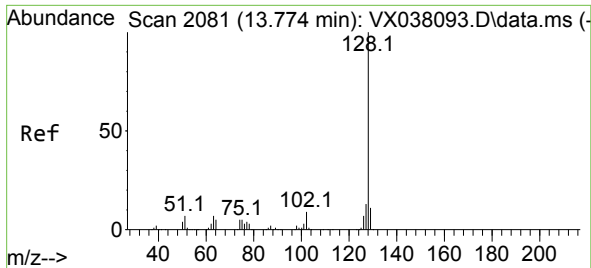
Tgt Ion:105 Resp: 11446
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.4#



#90
 Hexachloroethane
 Concen: 0.340 ug/l
 RT: 12.609 min Scan# 1890
 Delta R.T. 0.073 min
 Lab File: VX038612.D
 Acq: 27 Oct 2023 18:55

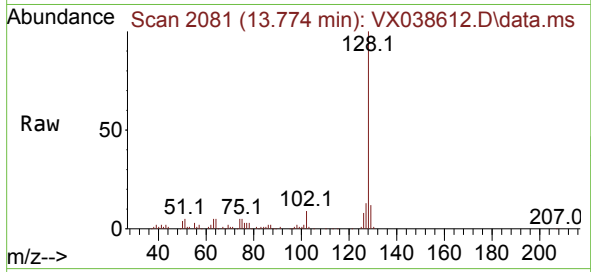
Tgt Ion:117 Resp: 762
 Ion Ratio Lower Upper
 117 100
 201 0.0 32.9 98.6#





#95
Naphthalene
Concen: 2.200 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX038612.D
Acq: 27 Oct 2023 18:55

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 36394

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.4	8.8	13.2

