

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102723\
 Data File : VX038614.D
 Acq On : 27 Oct 2023 19:41
 Operator : JC/MD
 Sample : 05107-20 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 30 01:35:42 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)

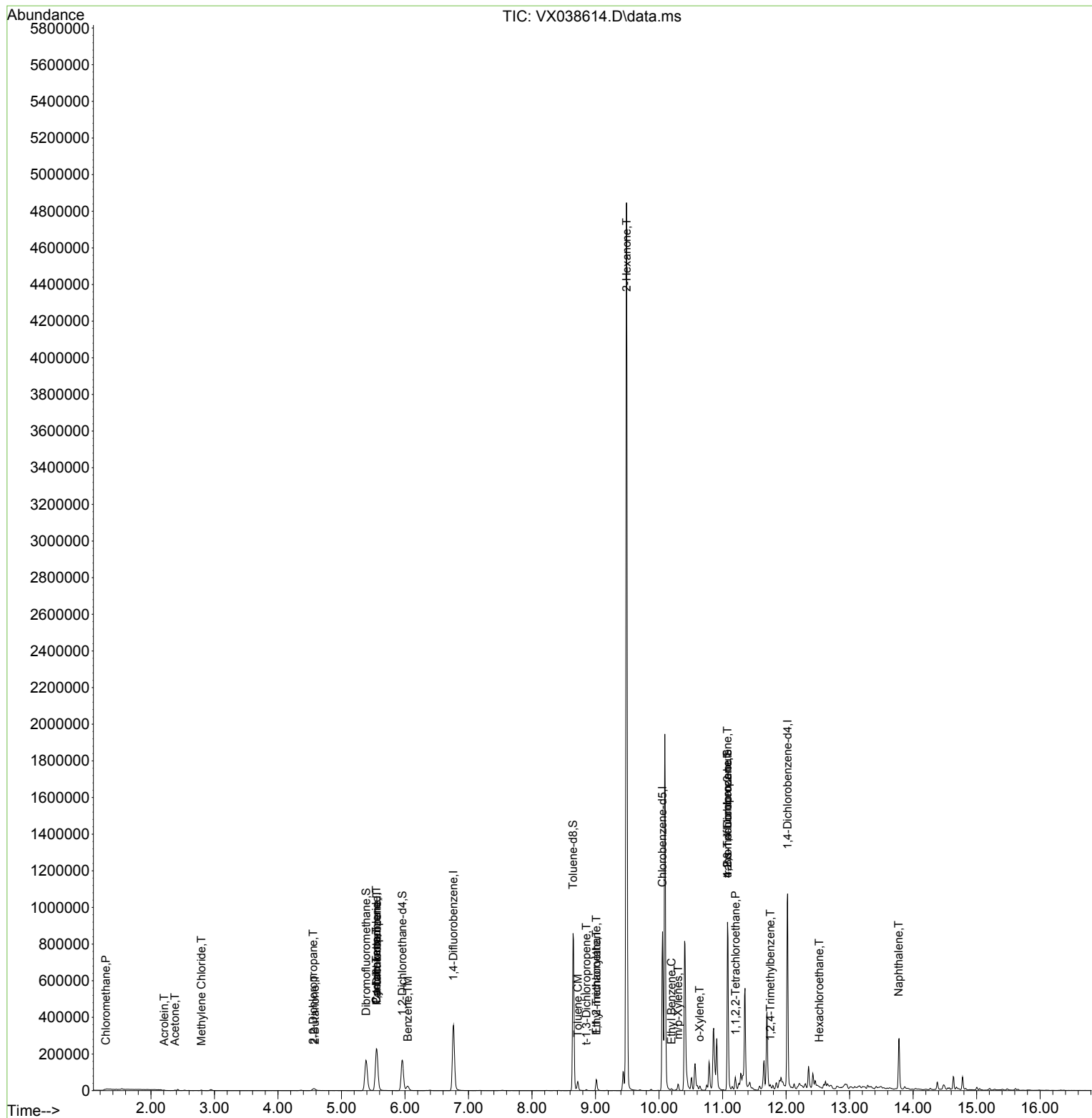
Internal Standards						
1) Pentafluorobenzene	5.556	168	233114	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	391724	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	404165	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	231715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	163567	43.624	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	87.240%		
35) Dibromofluoromethane	5.385	113	146329	51.842	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.680%		
50) Toluene-d8	8.647	98	535170	49.617	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.240%		
62) 4-Bromofluorobenzene	11.079	95	229346	56.088	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	112.180%		
Target Compounds						Qvalue
3) Chloromethane	1.288	50	521	0.227	ug/l	# 43
5) Bromomethane	1.605	94	20	Below Cal	#	3
6) Chloroethane	1.672	64	709	Below Cal	#	56
11) Tert butyl alcohol	2.940	59	3304	Below Cal	#	78
13) Acrolein	2.209	56	195	0.366	ug/l	# 1
16) Acetone	2.380	43	2986	1.908	ug/l	91
20) Methylene Chloride	2.794	84	1434	0.487	ug/l	# 85
25) 2-Butanone	4.580	43	1767	0.700	ug/l	99
26) 2,2-Dichloropropane	4.556	77	1062	0.280	ug/l	# 54
31) Cyclohexane	5.550	56	4296	1.058	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	16874	4.335	ug/l	# 50
38) Carbon Tetrachloride	5.550	117	22491	5.874	ug/l	# 15
40) Benzene	6.043	78	31057	2.853	ug/l	96
52) Toluene	8.720	92	17875	2.521	ug/l	91
53) t-1,3-Dichloropropene	8.854	75	998	0.239	ug/l	# 43
55) 1,1,2-Trichloroethane	9.012	97	39724	13.096	ug/l	# 20
56) Ethyl methacrylate	9.012	69	2631	0.566	ug/l	# 21
59) 2-Hexanone	9.488	43	17989	4.701	ug/l	# 1
67) Ethyl Benzene	10.195	91	4295	0.285	ug/l	# 88
68) m/p-Xylenes	10.299	106	8585	1.471	ug/l	90
69) o-Xylene	10.640	106	4784	0.840	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	1642	0.288	ug/l	# 77
76) 1,2,3-Trichloropropane	11.079	75	116714	22.156	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	116714	63.510	ug/l	# 6
84) 1,2,4-Trimethylbenzene	11.756	105	5794	0.433	ug/l	99
90) Hexachloroethane	12.524	117	511	0.220	ug/l	# 17
95) Naphthalene	13.774	128	138767	8.111	ug/l	98

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

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Sample : 05107-20 50X
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Instrument :
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ClientSampleId :

Quant Time: Oct 30 01:35:42 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

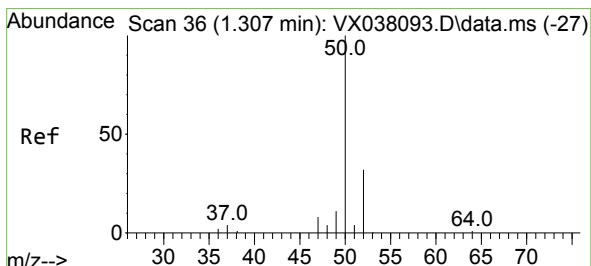
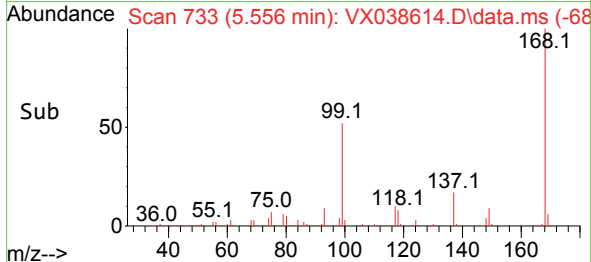
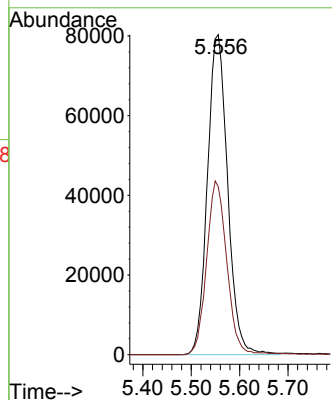
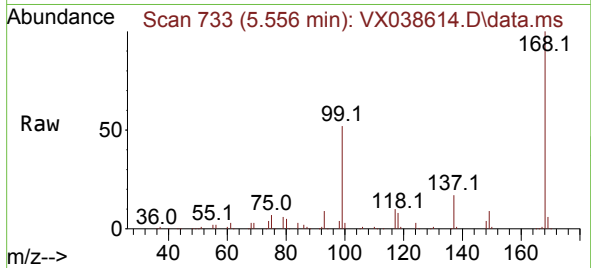




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038614.D
Acq: 27 Oct 2023 19:41

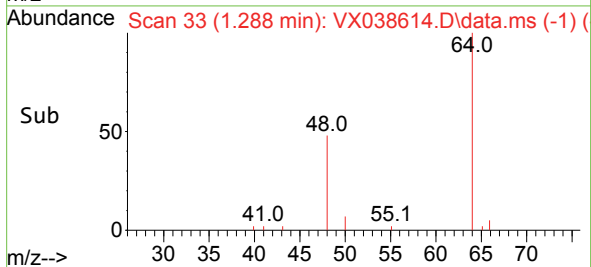
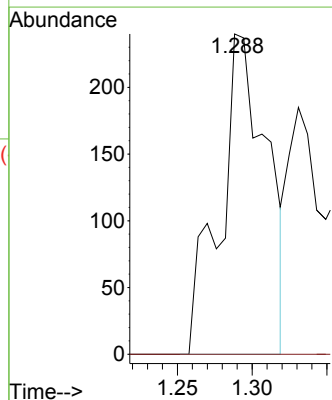
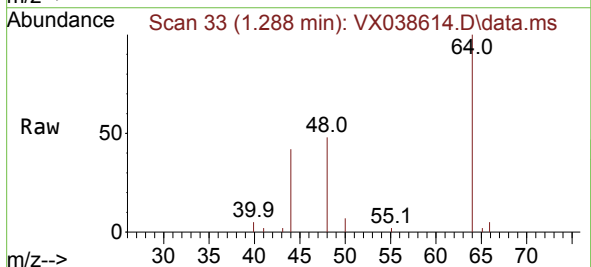
Instrument :
MSVOA_X
ClientSampleId :

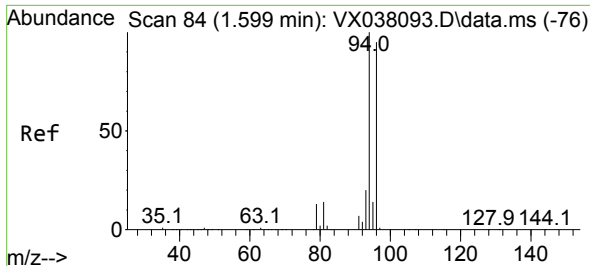
Tgt Ion:168 Resp: 233114
Ion Ratio Lower Upper
168 100
99 52.4 56.6 85.0#



#3
Chloromethane
Concen: 0.227 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.013 min
Lab File: VX038614.D
Acq: 27 Oct 2023 19:41

Tgt Ion: 50 Resp: 521
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

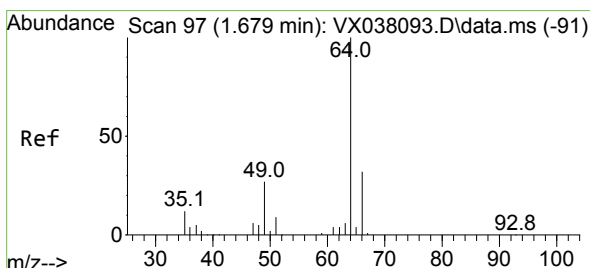
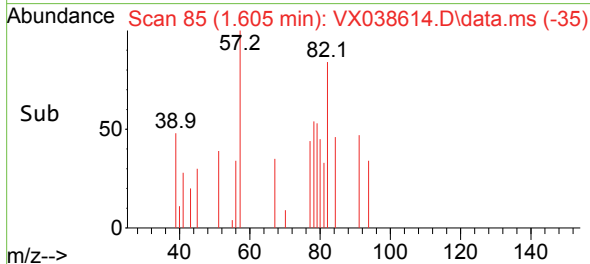
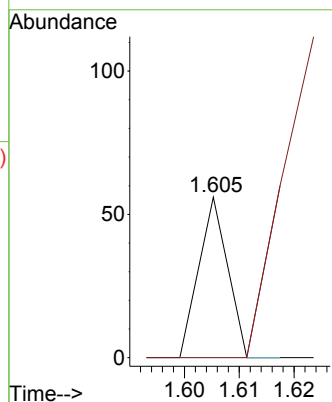
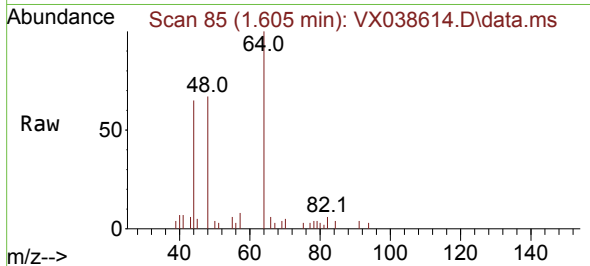




#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX038614.D
Acq: 27 Oct 2023 19:41

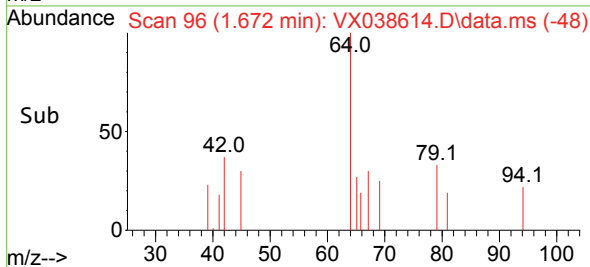
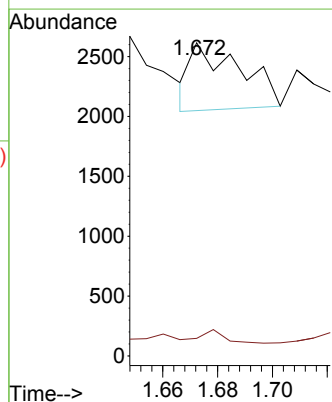
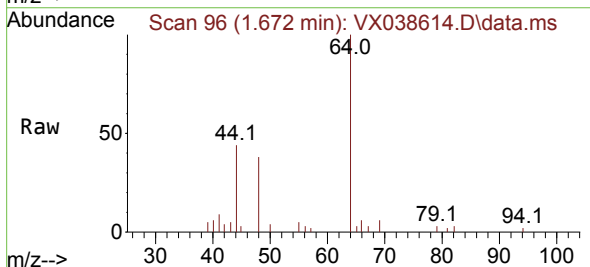
Instrument :
MSVOA_X
ClientSampleId :

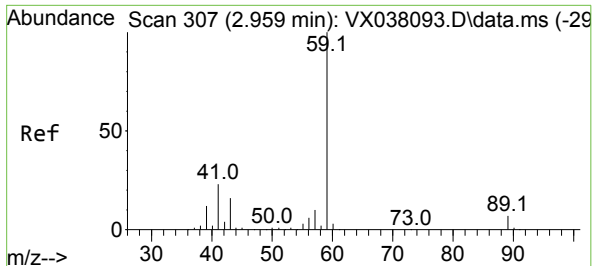
Tgt Ion: 94 Resp: 20
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 96
Delta R.T. -0.007 min
Lab File: VX038614.D
Acq: 27 Oct 2023 19:41

Tgt Ion: 64 Resp: 709
Ion Ratio Lower Upper
64 100
66 7.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.940 min Scan# 307

Delta R.T. -0.019 min

Lab File: VX038614.D

Acq: 27 Oct 2023 19:41

Instrument :

MSVOA_X

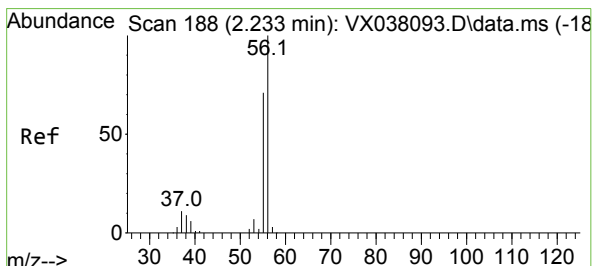
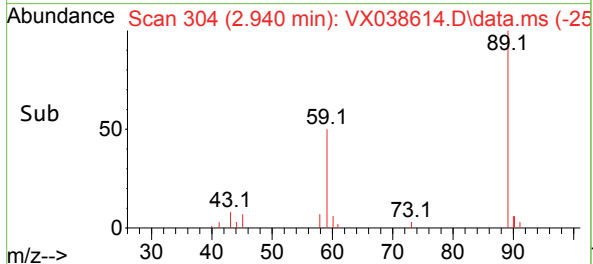
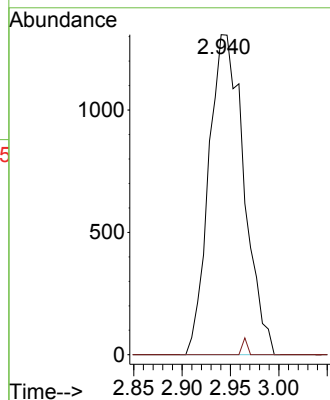
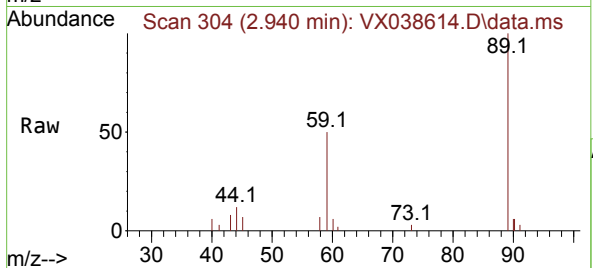
ClientSampleId :

Tgt Ion: 59 Resp: 3304

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.366 ug/l

RT: 2.209 min Scan# 184

Delta R.T. -0.024 min

Lab File: VX038614.D

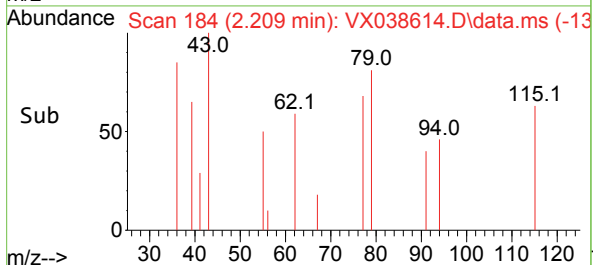
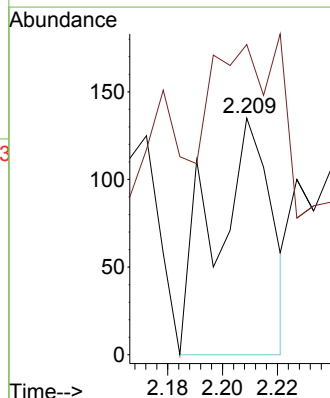
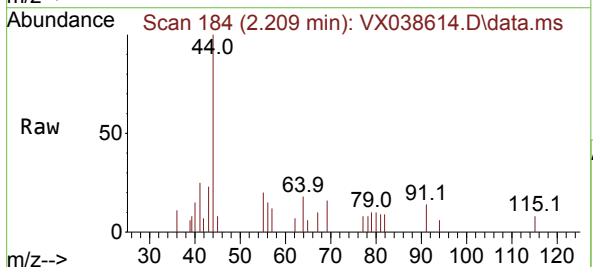
Acq: 27 Oct 2023 19:41

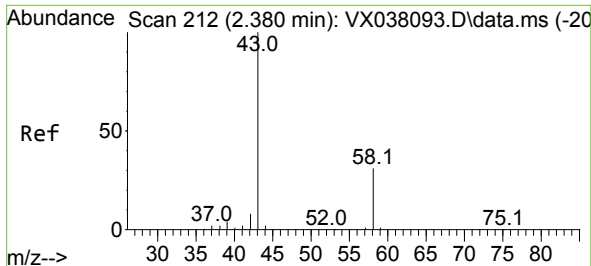
Tgt Ion: 56 Resp: 195

Ion Ratio Lower Upper

56 100

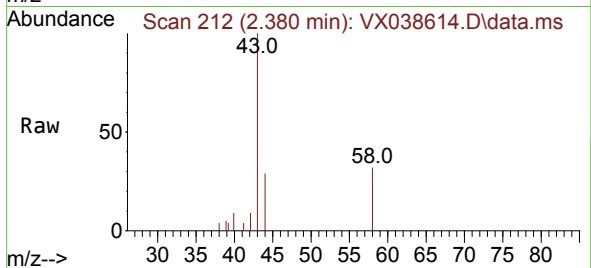
55 260.5 57.1 85.7#



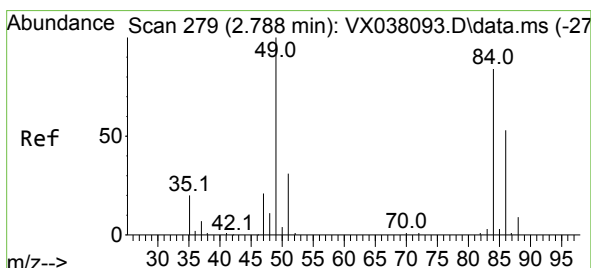
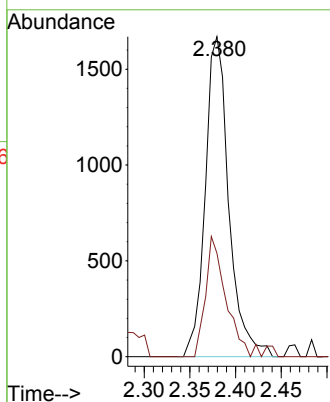
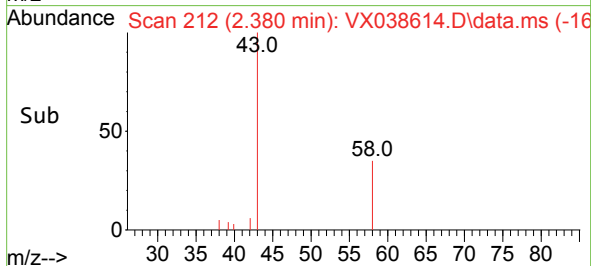


#16
Acetone
Concen: 1.908 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038614.D
Acq: 27 Oct 2023 19:41

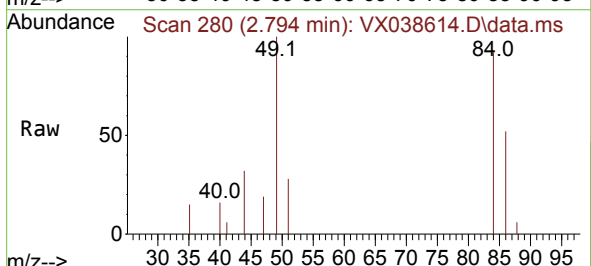
Instrument :
MSVOA_X
ClientSampleId :



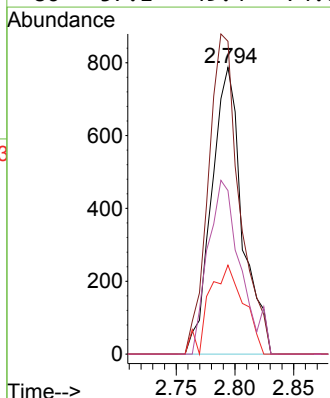
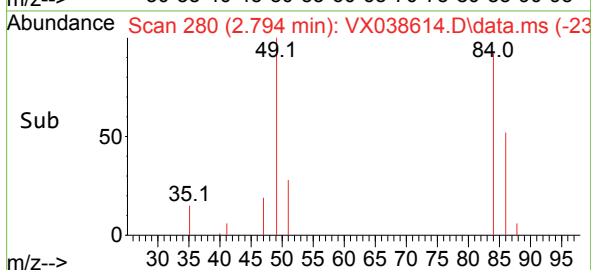
Tgt Ion: 43 Resp: 2986
Ion Ratio Lower Upper
43 100
58 32.3 21.9 32.9

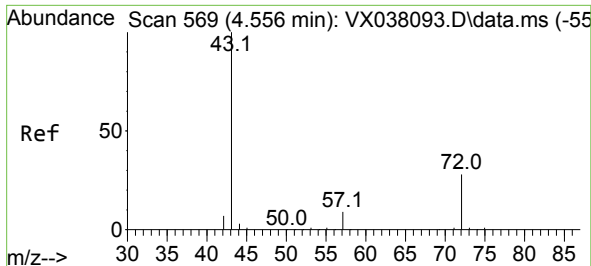


#20
Methylene Chloride
Concen: 0.487 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX038614.D
Acq: 27 Oct 2023 19:41



Tgt Ion: 84 Resp: 1434
Ion Ratio Lower Upper
84 100
49 109.1 103.6 155.4
51 31.0 33.8 50.6#
86 57.1 49.4 74.0





#25

2-Butanone

Concen: 0.700 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX038614.D

Acq: 27 Oct 2023 19:41

Instrument :

MSVOA_X

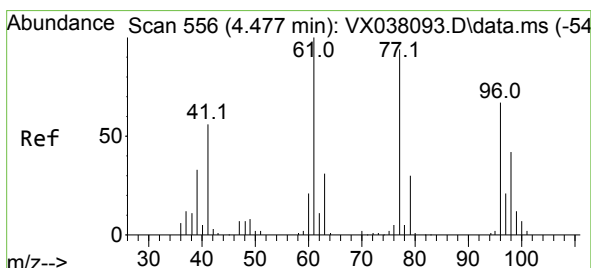
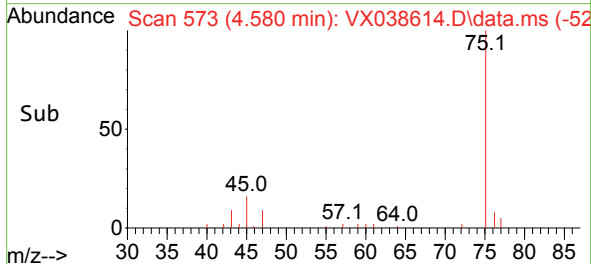
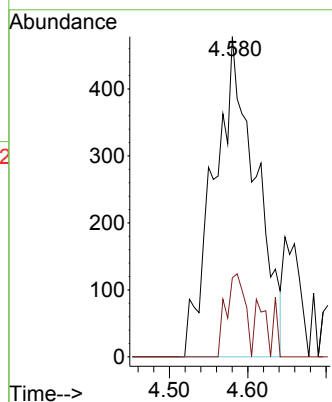
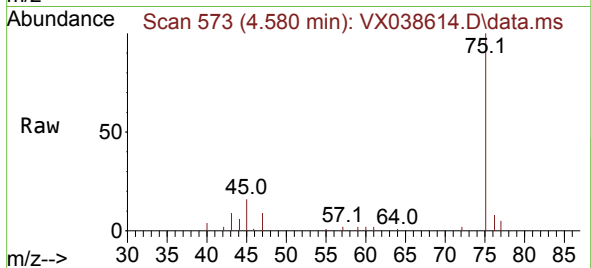
ClientSampleId :

Tgt Ion: 43 Resp: 1767

Ion Ratio Lower Upper

43 100

72 24.7 19.4 29.2



#26

2,2-Dichloropropane

Concen: 0.280 ug/l

RT: 4.556 min Scan# 569

Delta R.T. 0.079 min

Lab File: VX038614.D

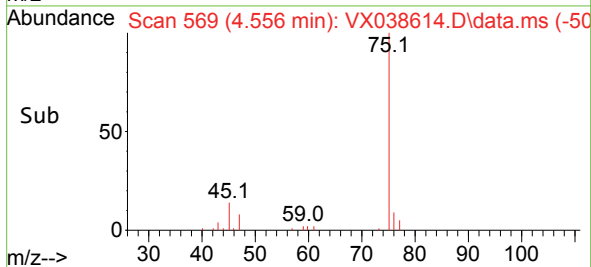
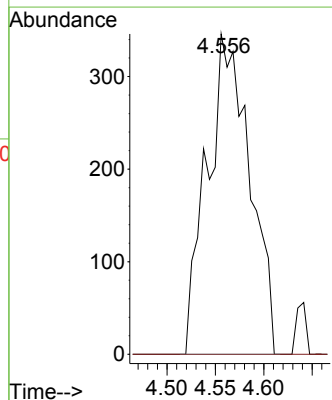
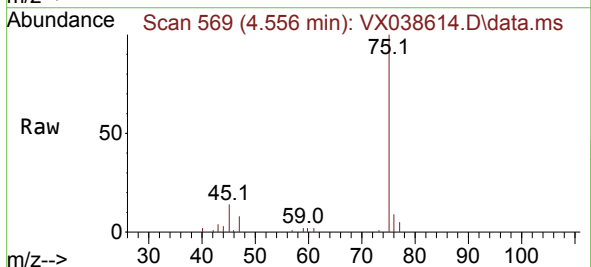
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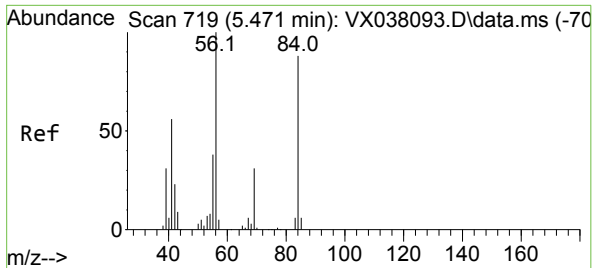
Tgt Ion: 77 Resp: 1062

Ion Ratio Lower Upper

77 100

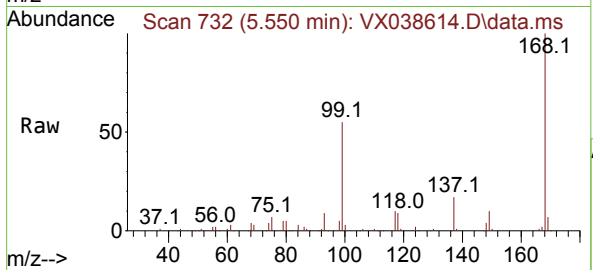
97 0.0 10.8 32.3#



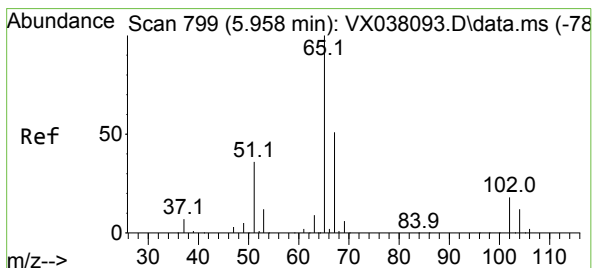
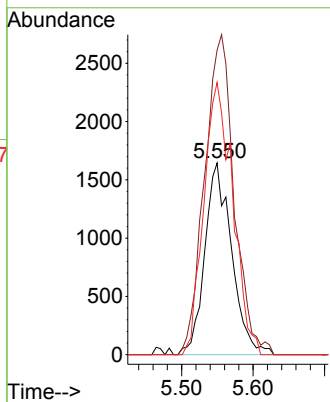
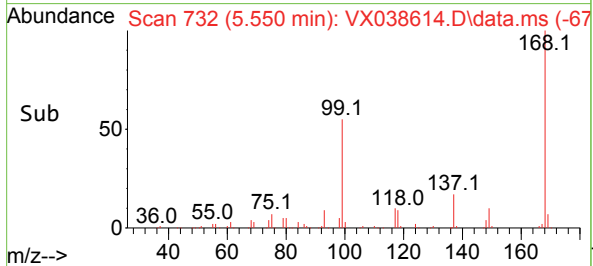


#31
Cyclohexane
Concen: 1.058 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX038614.D
Acq: 27 Oct 2023 19:41

Instrument :
MSVOA_X
ClientSampleId :

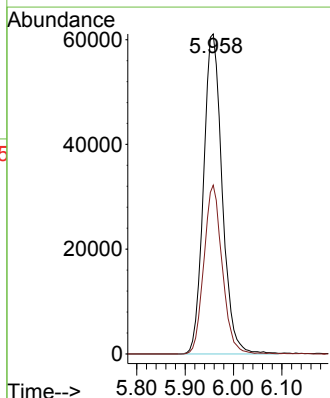
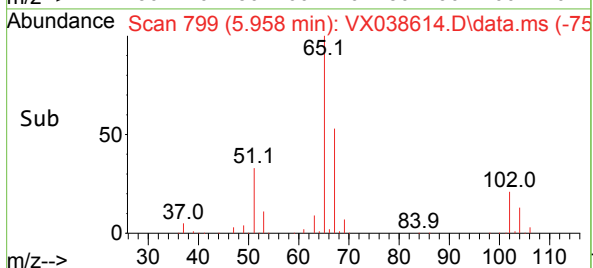
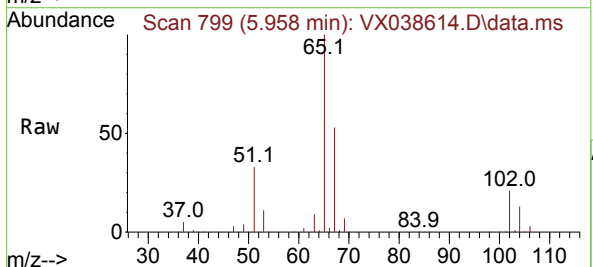


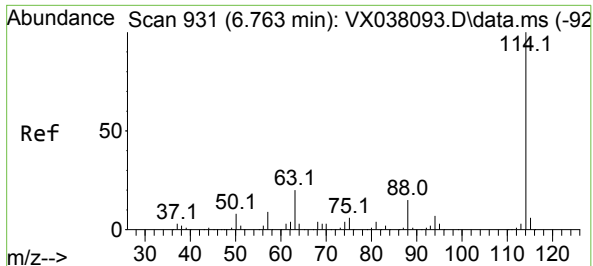
Tgt Ion: 56 Resp: 4296
Ion Ratio Lower Upper
56 100
69 158.8 23.4 35.2#
84 141.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 43.624 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038614.D
Acq: 27 Oct 2023 19:41

Tgt Ion: 65 Resp: 163567
Ion Ratio Lower Upper
65 100
67 51.8 0.0 100.2

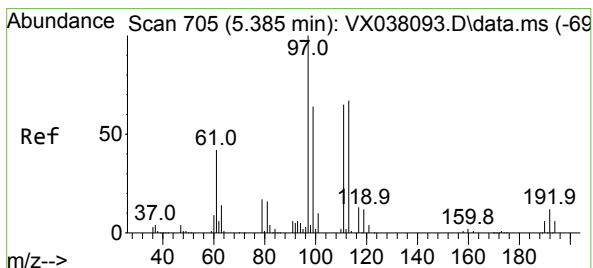
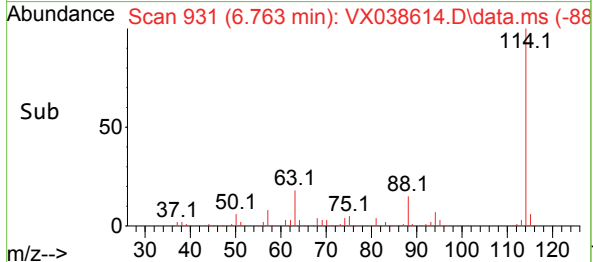
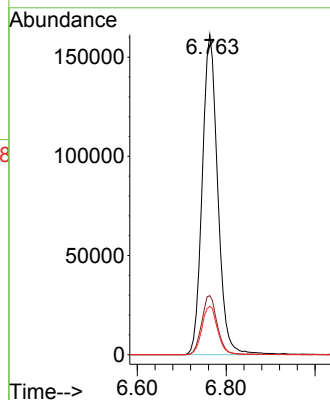
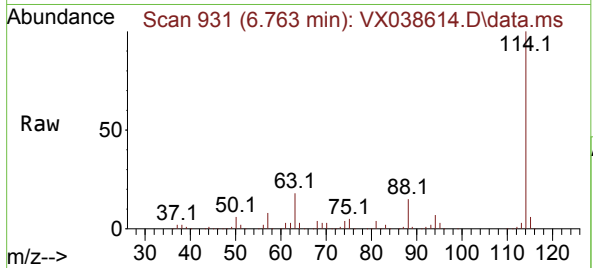




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX038614.D
Acq: 27 Oct 2023 19:41

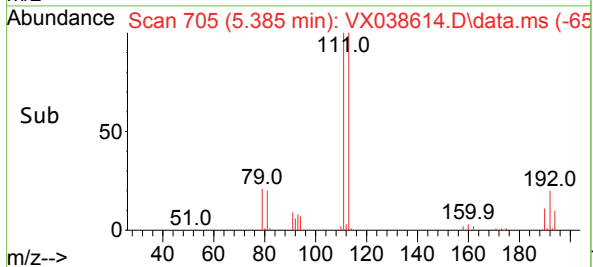
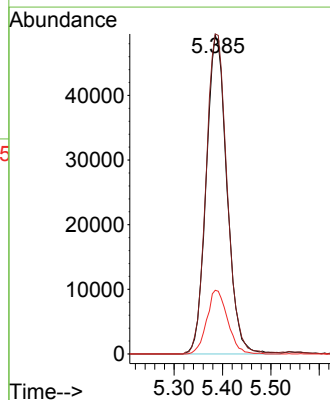
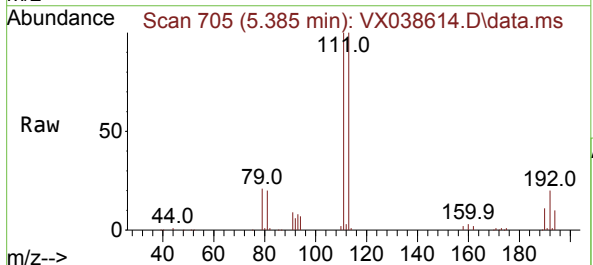
Instrument :
MSVOA_X
ClientSampleId :

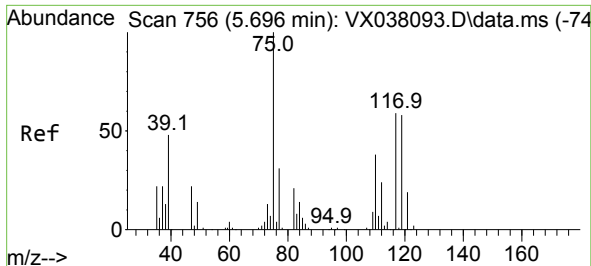
Tgt Ion:114 Resp: 391724
Ion Ratio Lower Upper
114 100
63 18.4 0.0 45.0
88 15.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 51.842 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038614.D
Acq: 27 Oct 2023 19:41

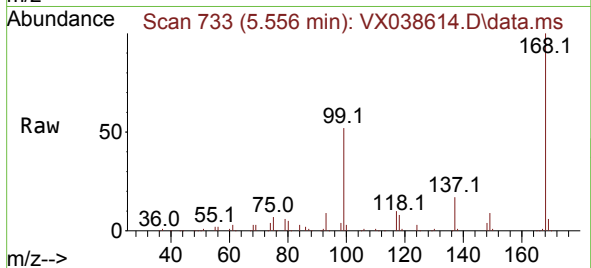
Tgt Ion:113 Resp: 146329
Ion Ratio Lower Upper
113 100
111 101.8 82.9 124.3
192 20.1 13.3 19.9#



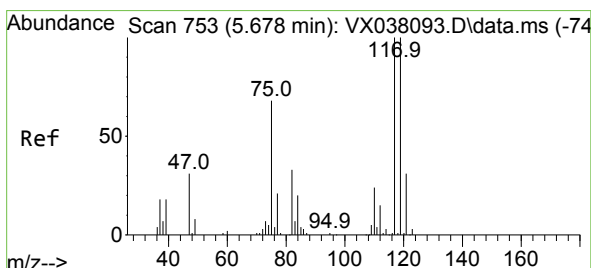
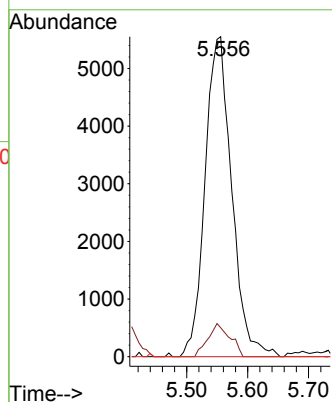
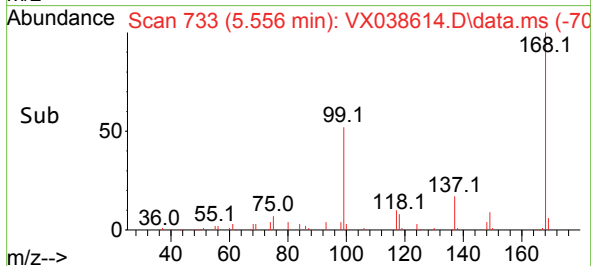


#36
 1,1-Dichloropropene
 Concen: 4.335 ug/l
 RT: 5.556 min Scan# 71
 Delta R.T. -0.134 min
 Lab File: VX038614.D
 Acq: 27 Oct 2023 19:41

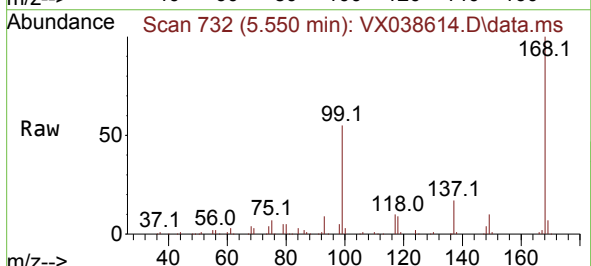
Instrument :
 MSVOA_X
 ClientSampleId :



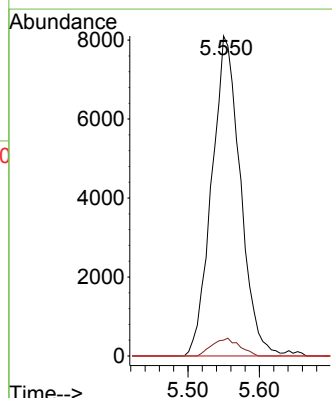
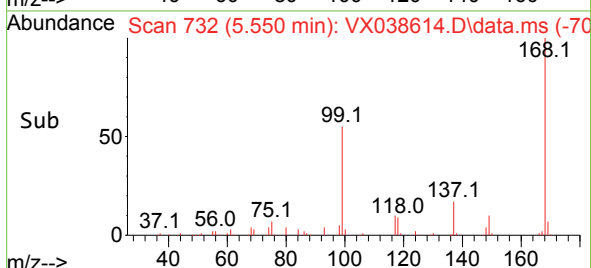
Tgt Ion: 75 Resp: 16874
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.0 50.9#
 77 0.0 24.7 37.1#

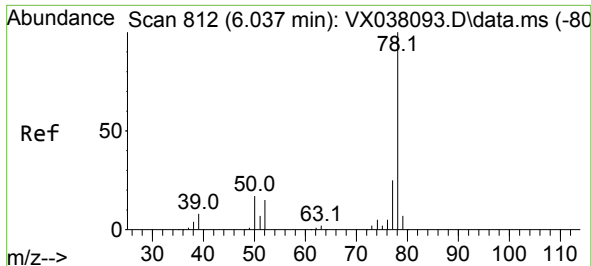


#38
 Carbon Tetrachloride
 Concen: 5.874 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.128 min
 Lab File: VX038614.D
 Acq: 27 Oct 2023 19:41



Tgt Ion: 117 Resp: 22491
 Ion Ratio Lower Upper
 117 100
 119 5.0 78.2 117.2#
 121 0.0 24.4 36.6#

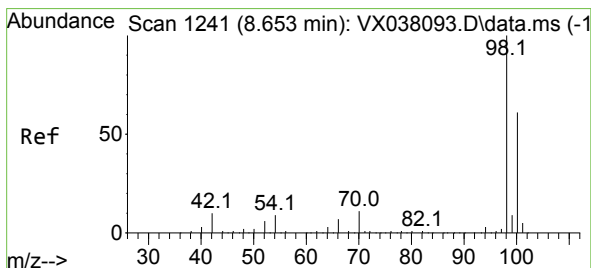
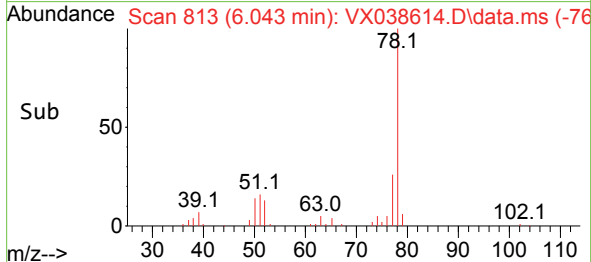
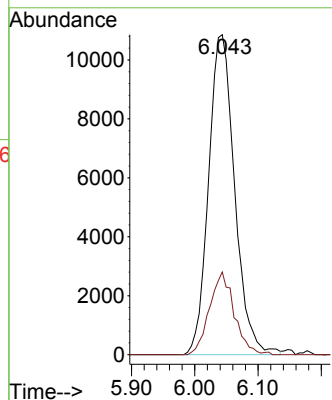
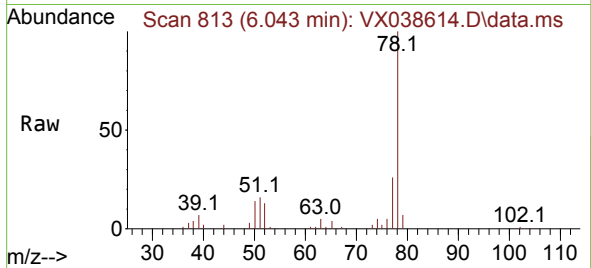




#40
Benzene
Concen: 2.853 ug/l
RT: 6.043 min Scan# 812
Delta R.T. 0.005 min
Lab File: VX038614.D
Acq: 27 Oct 2023 19:41

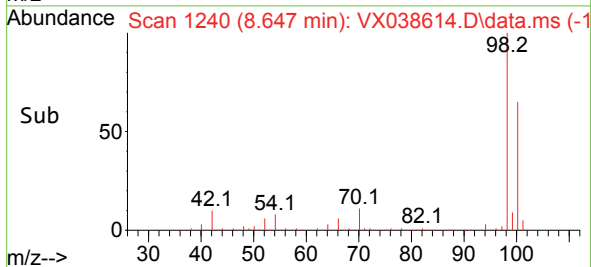
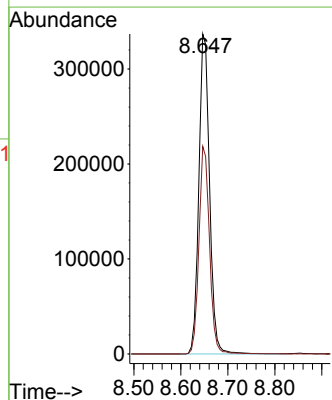
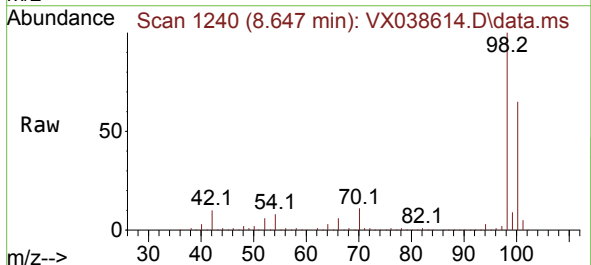
Instrument :
MSVOA_X
ClientSampleId :

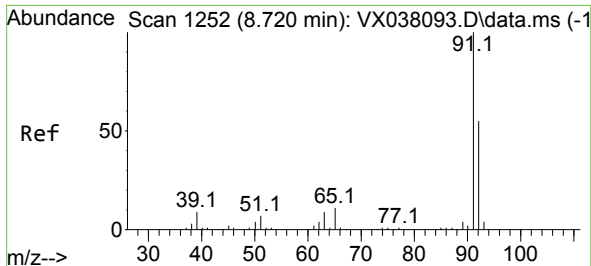
Tgt Ion: 78 Resp: 31057
Ion Ratio Lower Upper
78 100
77 25.8 19.3 28.9



#50
Toluene-d8
Concen: 49.617 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038614.D
Acq: 27 Oct 2023 19:41

Tgt Ion: 98 Resp: 535170
Ion Ratio Lower Upper
98 100
100 64.2 53.1 79.7

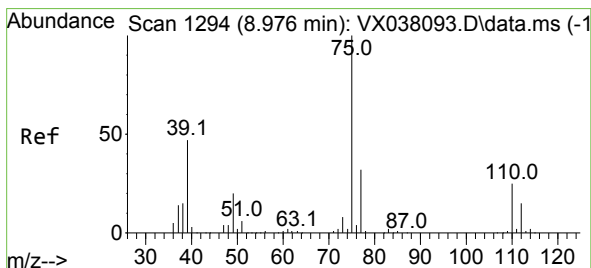
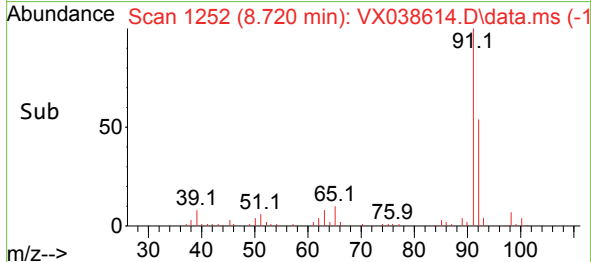
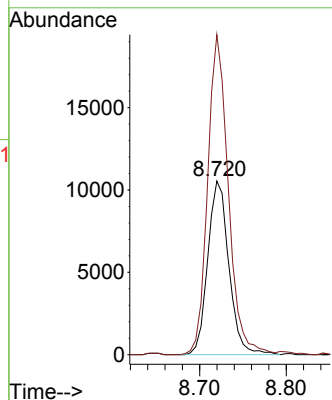
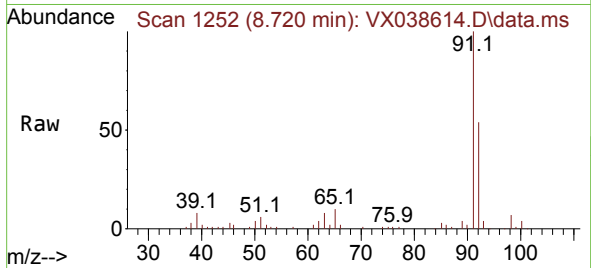




#52
Toluene
Concen: 2.521 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038614.D
Acq: 27 Oct 2023 19:41

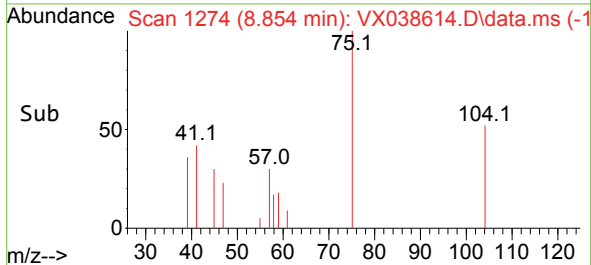
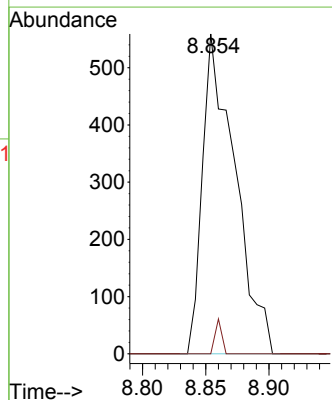
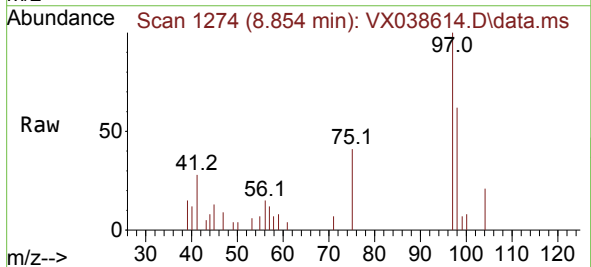
Instrument :
MSVOA_X
ClientSampleId :

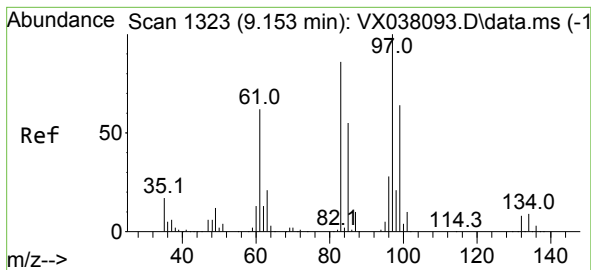
Tgt Ion: 92 Resp: 17875
Ion Ratio Lower Upper
92 100
91 180.1 134.2 201.2



#53
t-1,3-Dichloropropene
Concen: 0.239 ug/l
RT: 8.854 min Scan# 1274
Delta R.T. -0.122 min
Lab File: VX038614.D
Acq: 27 Oct 2023 19:41

Tgt Ion: 75 Resp: 998
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#





#55

1,1,2-Trichloroethane

Concen: 13.096 ug/l

RT: 9.012 min Scan# 1300

Delta R.T. -0.141 min

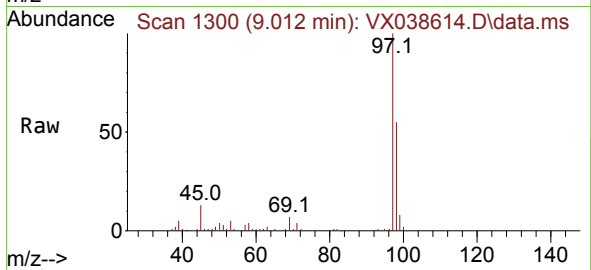
Lab File: VX038614.D

Acq: 27 Oct 2023 19:41

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 97 Resp: 39724

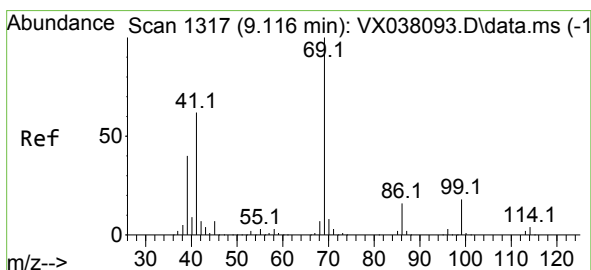
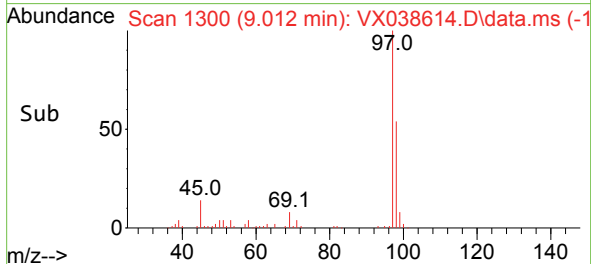
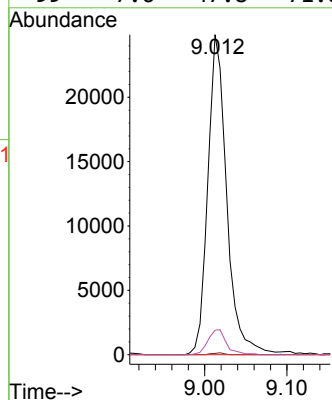
Ion Ratio Lower Upper

97 100

83 0.4 65.8 98.8#

85 0.0 41.6 62.4#

99 7.6 47.8 71.8#



#56

Ethyl methacrylate

Concen: 0.566 ug/l

RT: 9.012 min Scan# 1300

Delta R.T. -0.104 min

Lab File: VX038614.D

Acq: 27 Oct 2023 19:41

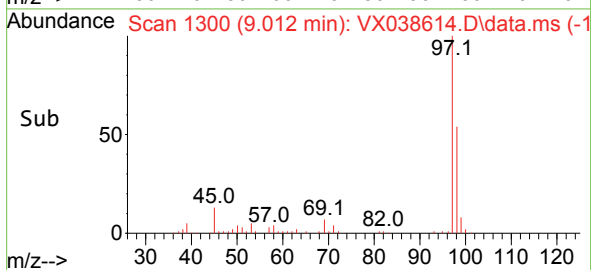
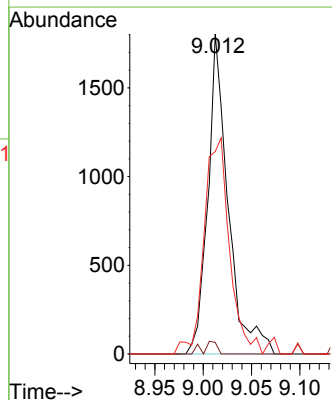
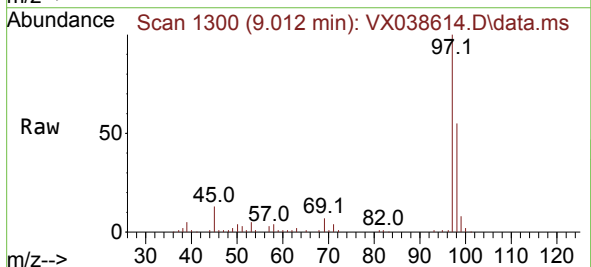
Tgt Ion: 69 Resp: 2631

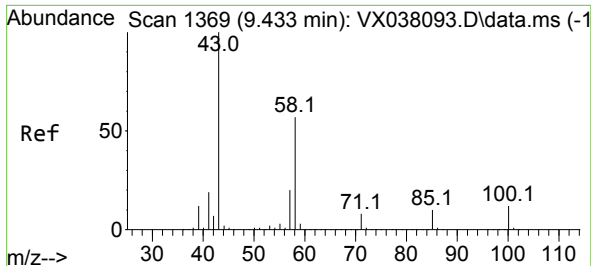
Ion Ratio Lower Upper

69 100

41 2.7 56.8 85.2#

39 84.5 32.0 48.0#





#59

2-Hexanone

Concen: 4.701 ug/l

RT: 9.488 min Scan# 11

Delta R.T. 0.055 min

Lab File: VX038614.D

Acq: 27 Oct 2023 19:41

Instrument :

MSVOA_X

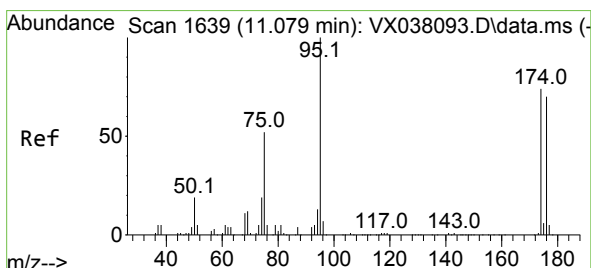
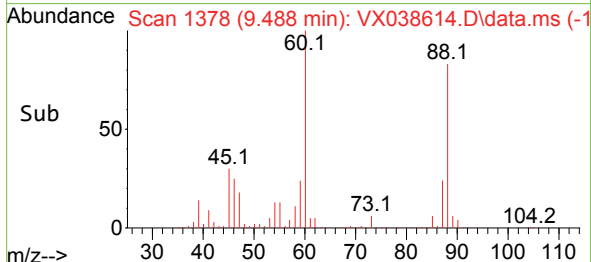
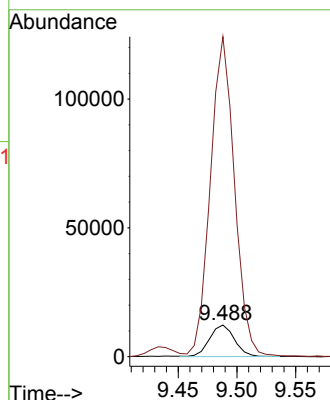
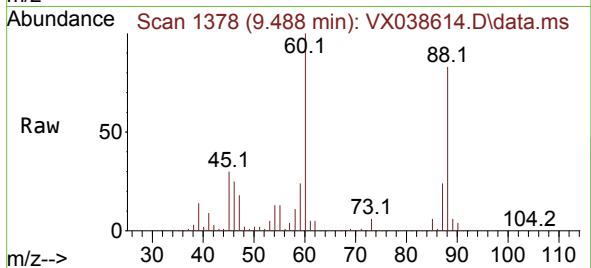
ClientSampleId :

Tgt Ion: 43 Resp: 17989

Ion Ratio Lower Upper

43 100

58 987.5 26.2 78.5#



#62

4-Bromofluorobenzene

Concen: 56.088 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX038614.D

Acq: 27 Oct 2023 19:41

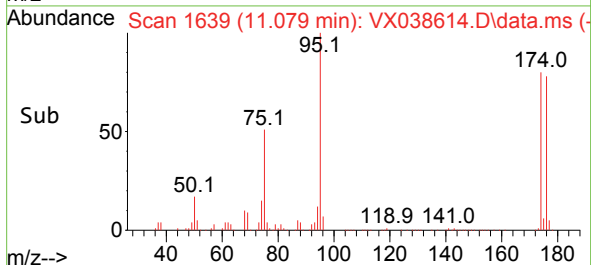
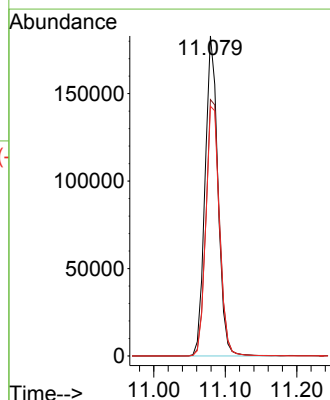
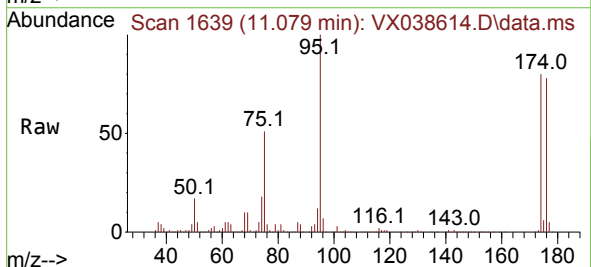
Tgt Ion: 95 Resp: 229346

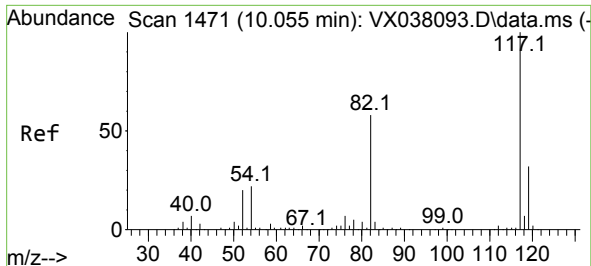
Ion Ratio Lower Upper

95 100

174 84.8 0.0 135.6

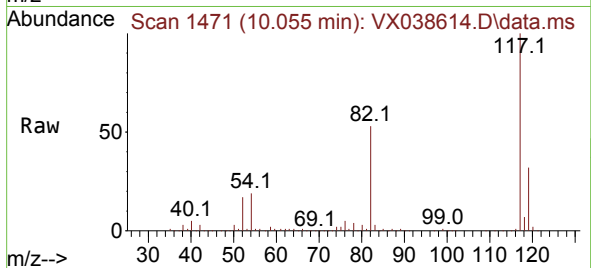
176 82.6 0.0 131.0



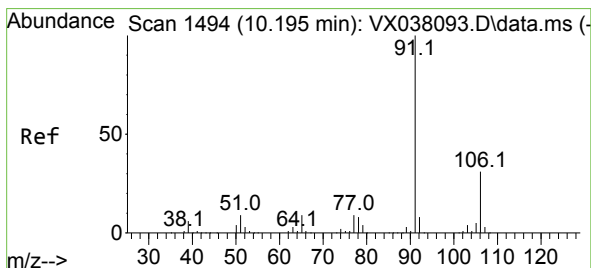
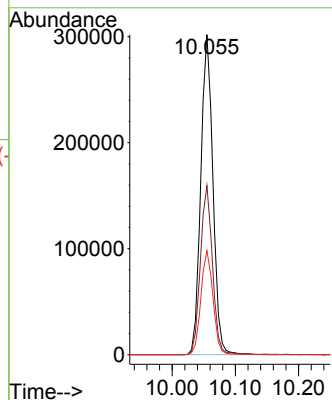
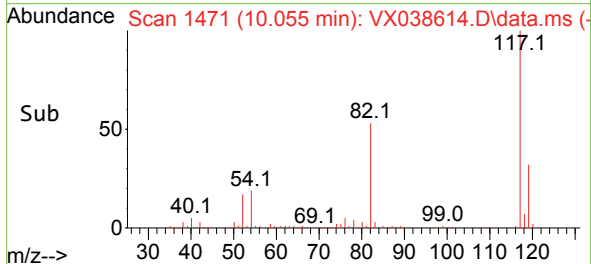


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038614.D
Acq: 27 Oct 2023 19:41

Instrument :
MSVOA_X
ClientSampleId :

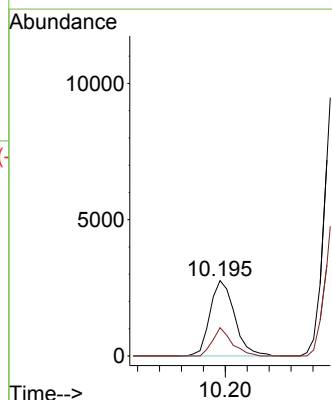
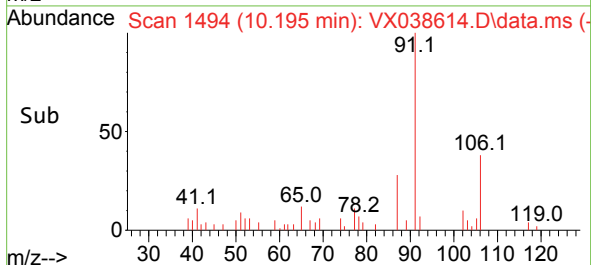
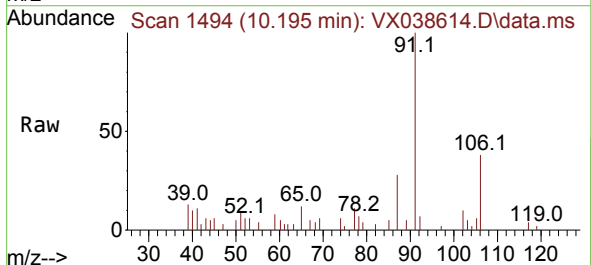


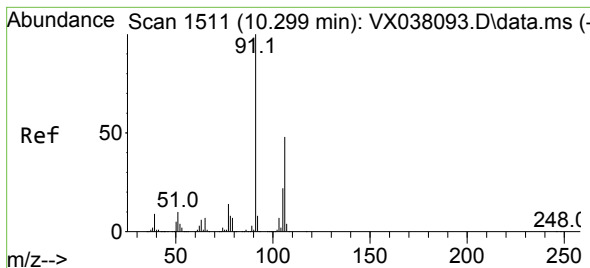
Tgt Ion:117 Resp: 404165
Ion Ratio Lower Upper
117 100
82 52.8 46.2 69.4
119 32.5 25.5 38.3



#67
Ethyl Benzene
Concen: 0.285 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX038614.D
Acq: 27 Oct 2023 19:41

Tgt Ion: 91 Resp: 4295
Ion Ratio Lower Upper
91 100
106 37.6 24.9 37.3#

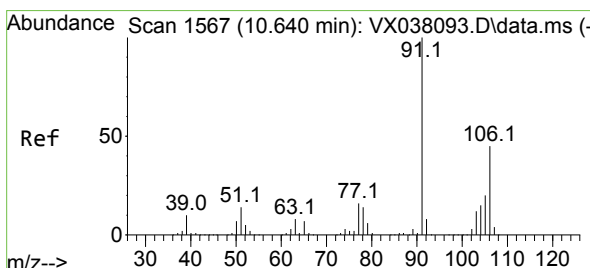
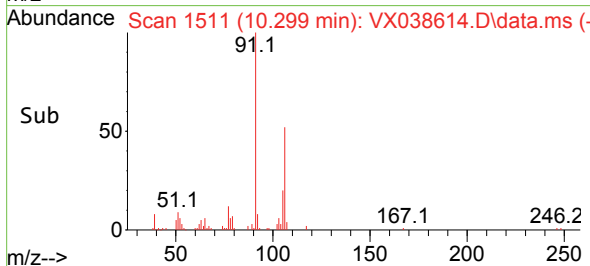
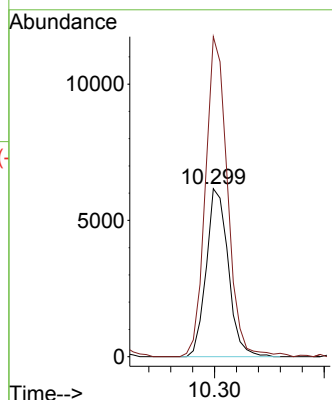
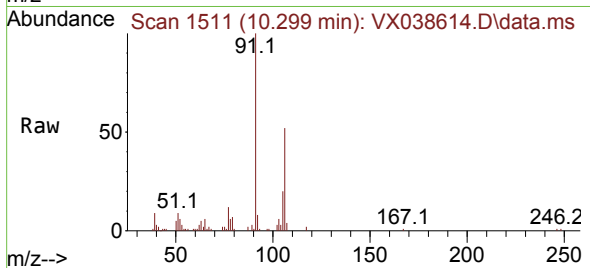




#68
m/p-Xylenes
Concen: 1.471 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX038614.D
Acq: 27 Oct 2023 19:41

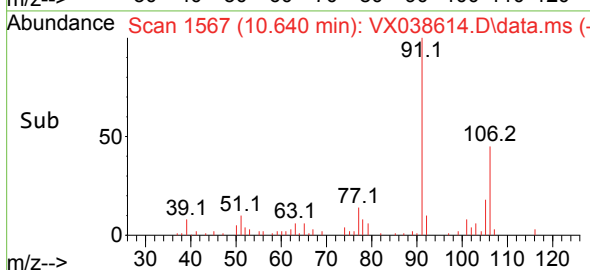
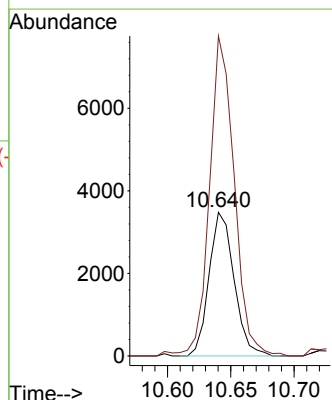
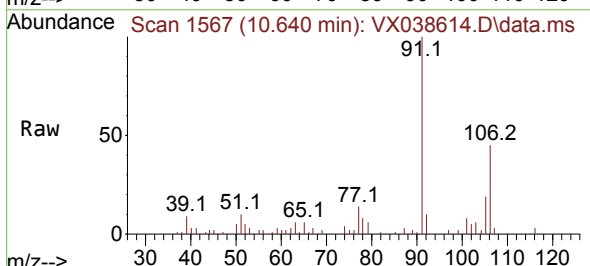
Instrument :
MSVOA_X
ClientSampleId :

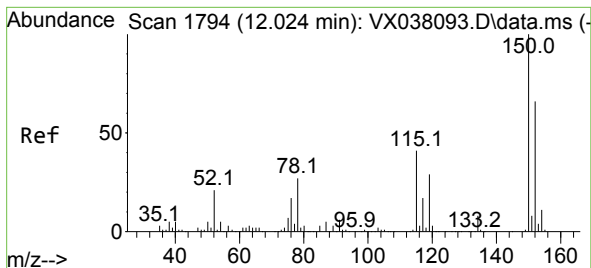
Tgt Ion:106 Resp: 8585
Ion Ratio Lower Upper
106 100
91 190.9 165.5 248.3



#69
o-Xylene
Concen: 0.840 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX038614.D
Acq: 27 Oct 2023 19:41

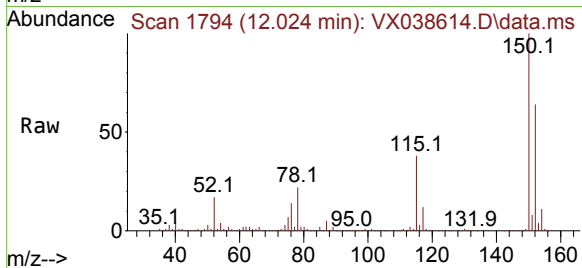
Tgt Ion:106 Resp: 4784
Ion Ratio Lower Upper
106 100
91 220.8 108.9 326.8



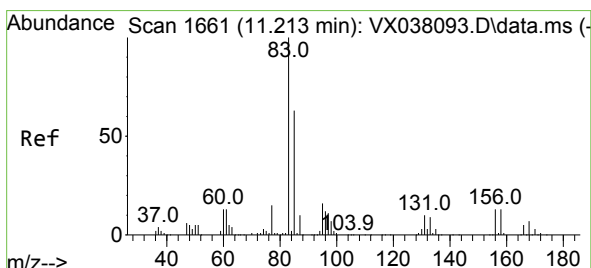
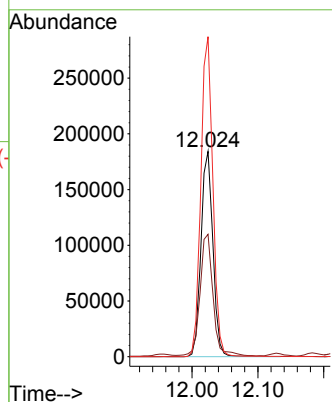
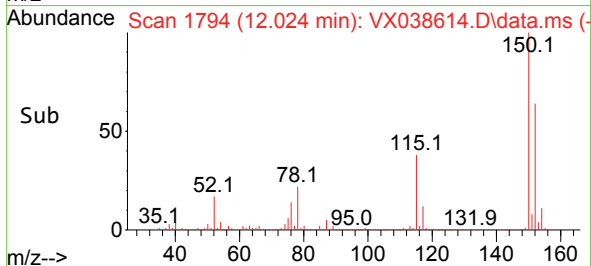


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX038614.D
 Acq: 27 Oct 2023 19:41

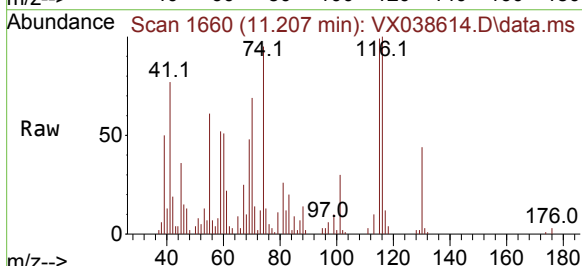
Instrument :
 MSVOA_X
 ClientSampleId :



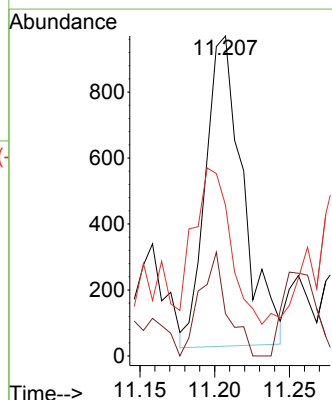
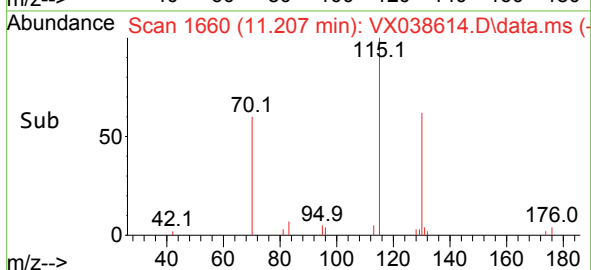
Tgt Ion:152 Resp: 231715
 Ion Ratio Lower Upper
 152 100
 115 64.1 43.3 129.9
 150 157.1 0.0 345.0

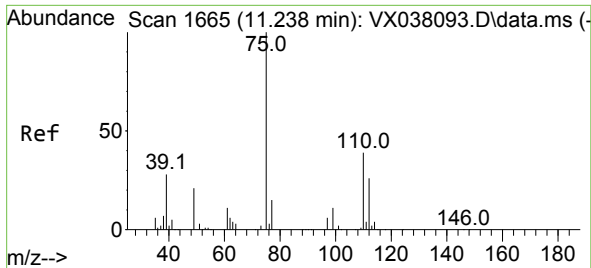


#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.288 ug/l
 RT: 11.207 min Scan# 1660
 Delta R.T. -0.006 min
 Lab File: VX038614.D
 Acq: 27 Oct 2023 19:41



Tgt Ion: 83 Resp: 1642
 Ion Ratio Lower Upper
 83 100
 131 24.2 5.3 15.8#
 85 48.1 32.0 96.2

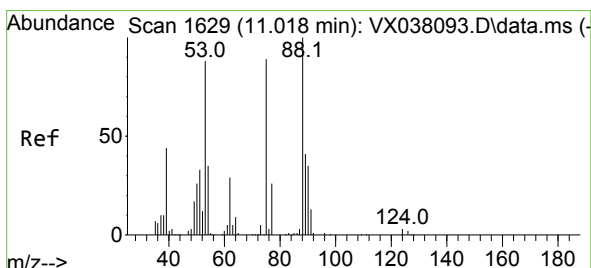
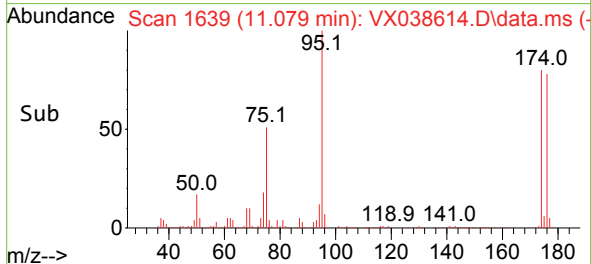
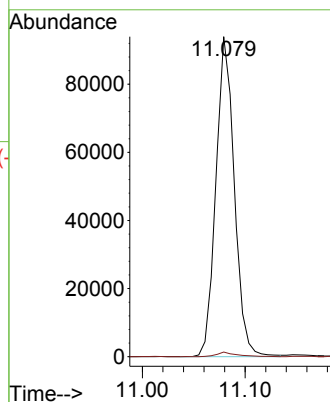
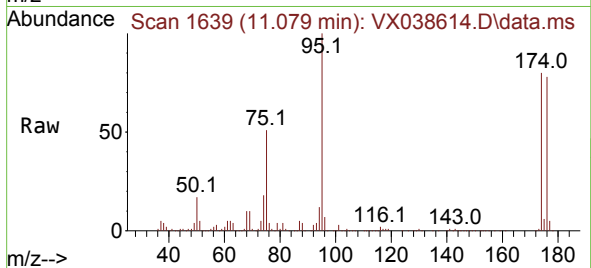




#76
1,2,3-Trichloropropane
Concen: 22.156 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX038614.D
Acq: 27 Oct 2023 19:41

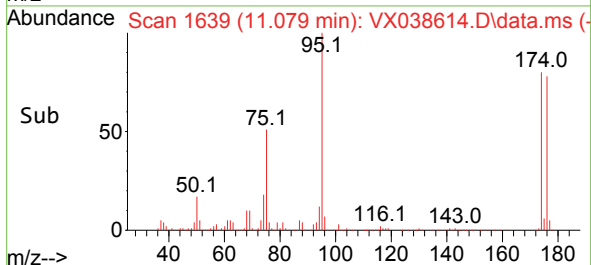
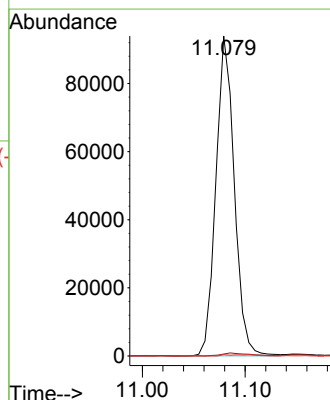
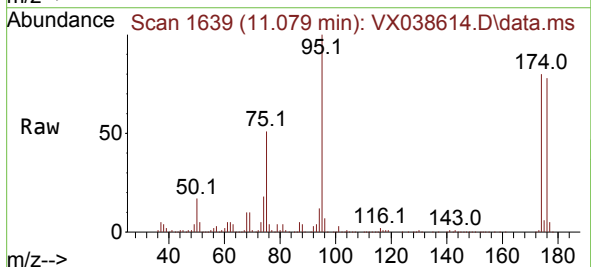
Instrument :
MSVOA_X
ClientSampleId :

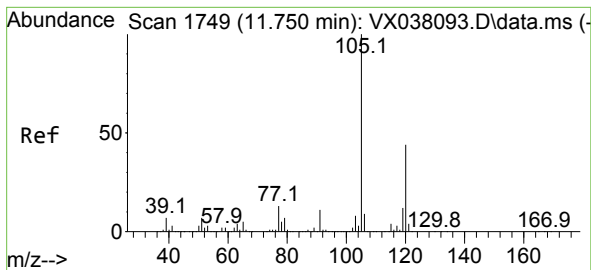
Tgt Ion: 75 Resp: 116714
Ion Ratio Lower Upper
75 100
77 1.6 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.510 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038614.D
Acq: 27 Oct 2023 19:41

Tgt Ion: 75 Resp: 116714
Ion Ratio Lower Upper
75 100
53 1.5 90.5 135.7#
89 0.6 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.433 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX038614.D

Acq: 27 Oct 2023 19:41

Instrument :

MSVOA_X

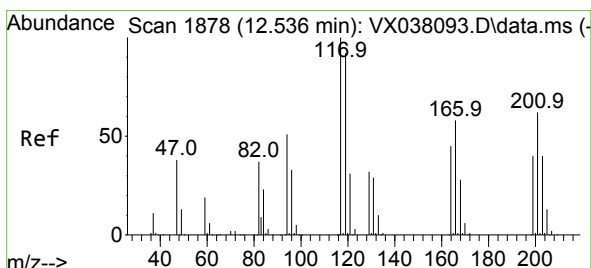
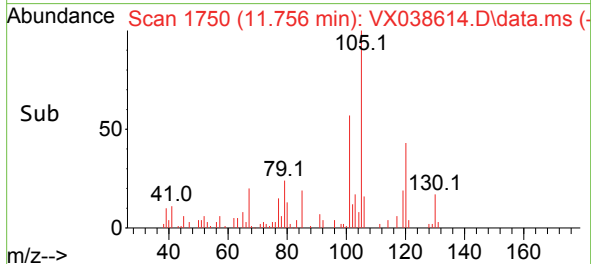
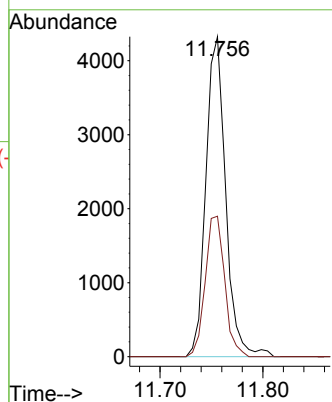
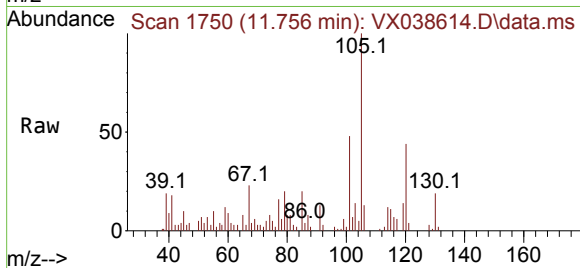
ClientSampleId :

Tgt Ion:105 Resp: 5794

Ion Ratio Lower Upper

105 100

120 43.2 21.2 63.6



#90

Hexachloroethane

Concen: 0.220 ug/l

RT: 12.524 min Scan# 1876

Delta R.T. -0.012 min

Lab File: VX038614.D

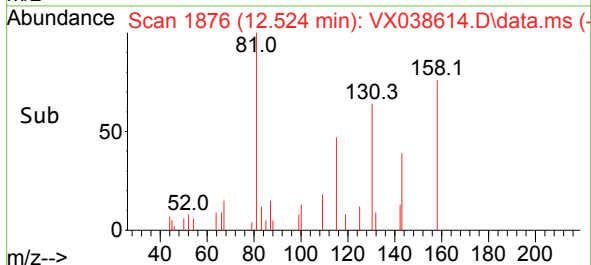
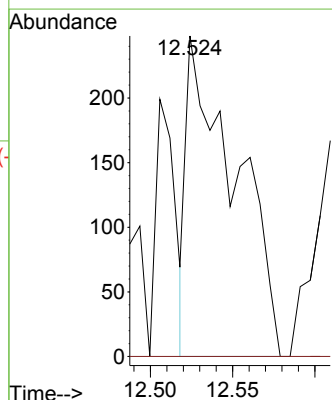
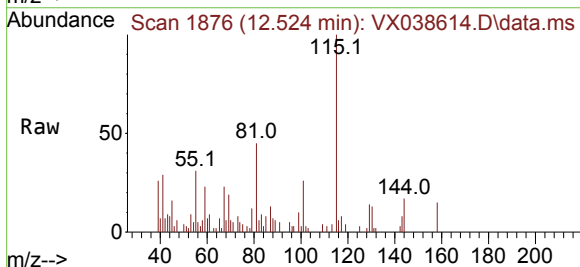
Acq: 27 Oct 2023 19:41

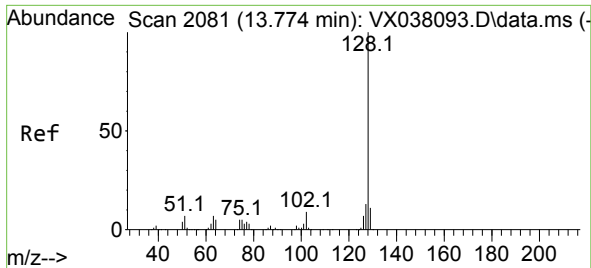
Tgt Ion:117 Resp: 511

Ion Ratio Lower Upper

117 100

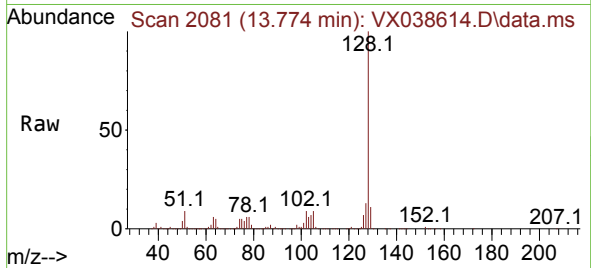
201 0.0 32.9 98.6#





#95
Naphthalene
Concen: 8.111 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX038614.D
Acq: 27 Oct 2023 19:41

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 138767
Ion Ratio Lower Upper
128 100
127 13.8 10.3 15.5
129 11.4 8.8 13.2

