

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092623\
 Data File : VX037905.D
 Acq On : 26 Sep 2023 13:11
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 27 01:14:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

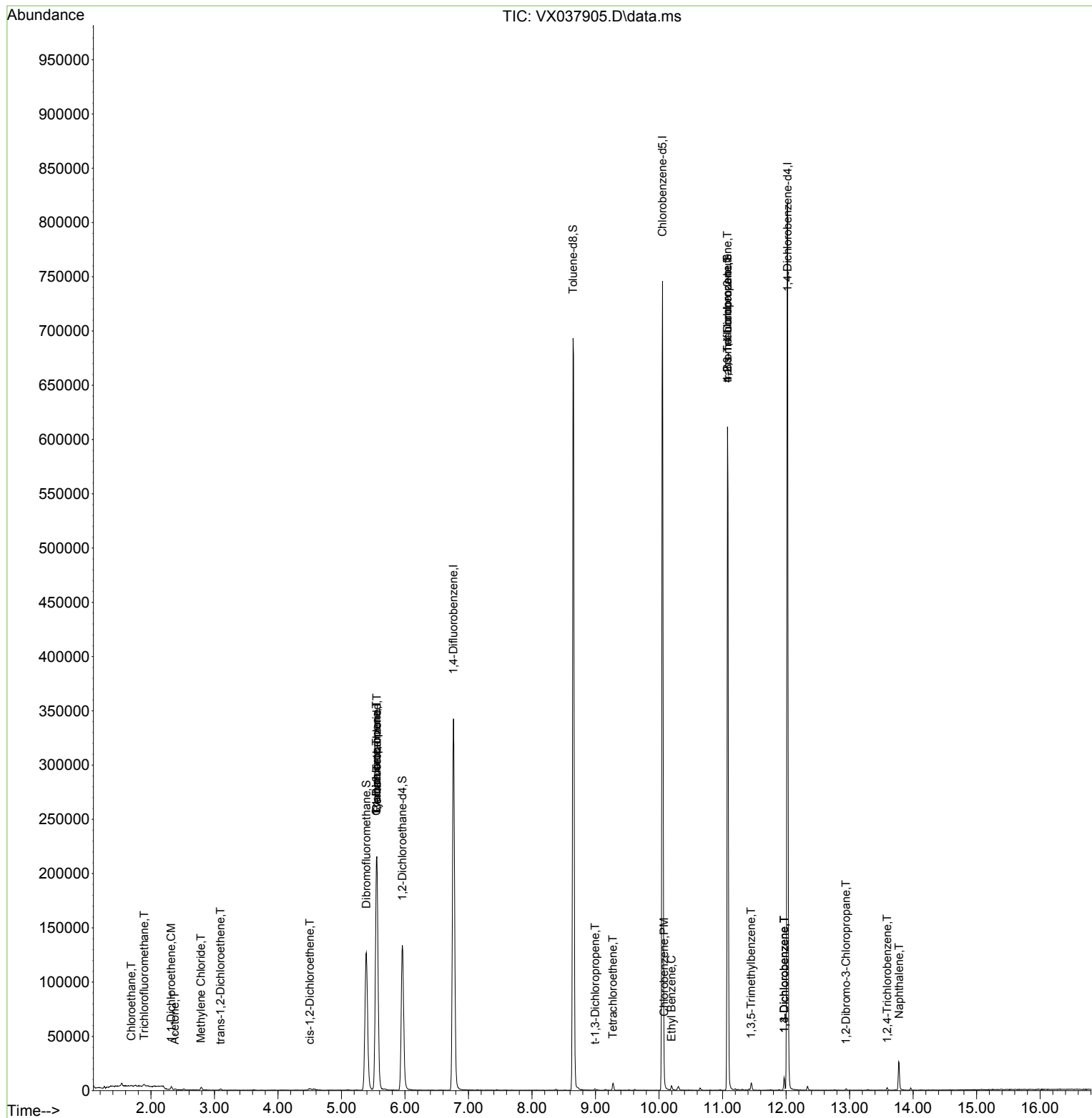
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	210888	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	359104	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	341363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	177796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	129998	46.918	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.840%
35) Dibromofluoromethane	5.391	113	112716	46.911	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.820%
50) Toluene-d8	8.647	98	432289	48.420	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.840%
62) 4-Bromofluorobenzene	11.079	95	160253	49.397	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.800%
Target Compounds						
						Qvalue
6) Chloroethane	1.691	64	613	0.341	ug/l	# 79
7) Trichlorofluoromethane	1.892	101	1103	0.263	ug/l	# 74
12) 1,1-Dichloroethene	2.319	96	1048	0.509	ug/l	87
16) Acetone	2.373	43	905	0.679	ug/l	94
20) Methylene Chloride	2.788	84	1204	0.464	ug/l	# 93
21) trans-1,2-Dichloroethene	3.093	96	518	0.227	ug/l	91
27) cis-1,2-Dichloroethene	4.501	96	951	0.340	ug/l	89
31) Cyclohexane	5.550	56	4582	1.288	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	16649	5.030	ug/l	# 51
38) Carbon Tetrachloride	5.556	117	21003	6.065	ug/l	# 15
53) t-1,3-Dichloropropene	8.994	75	809	0.221	ug/l	99
64) Tetrachloroethene	9.275	164	1140	0.490	ug/l	96
65) Chlorobenzene	10.079	112	1556	0.211	ug/l	97
67) Ethyl Benzene	10.195	91	2562	0.201	ug/l	# 85
76) 1,2,3-Trichloropropane	11.079	75	81733	19.876	ug/l	# 39
80) 1,3,5-Trimethylbenzene	11.451	105	3241	0.294	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	81733	63.669	ug/l	# 5
87) 1,3-Dichlorobenzene	11.969	146	3999	0.664	ug/l	98
88) 1,4-Dichlorobenzene	11.969	146	3999	0.649	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	370	0.405	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	798	0.220	ug/l	83
95) Naphthalene	13.780	128	19468	1.590	ug/l	99

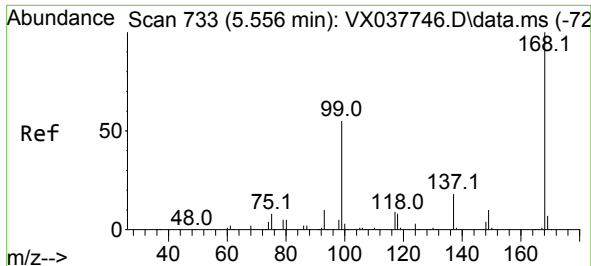
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

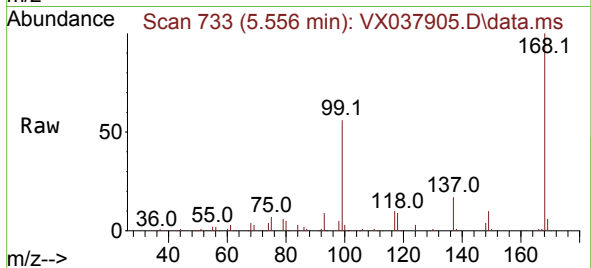
Quant Time: Sep 27 01:14:31 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 16 04:55:44 2023
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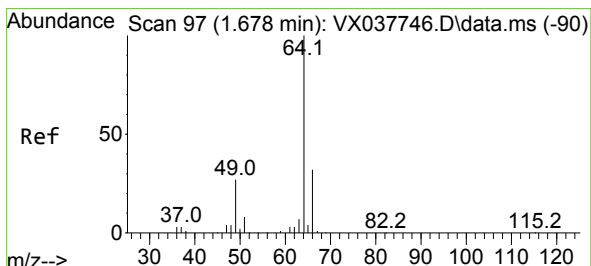
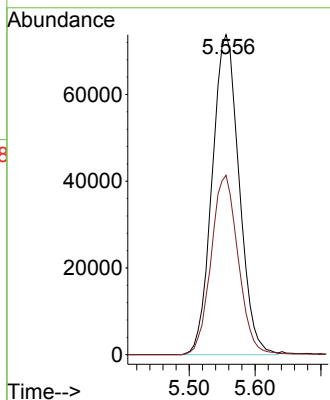
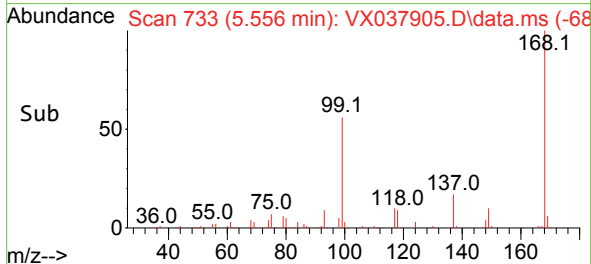


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037905.D
Acq: 26 Sep 2023 13:11

Instrument :
MSVOA_X
ClientSampleId :

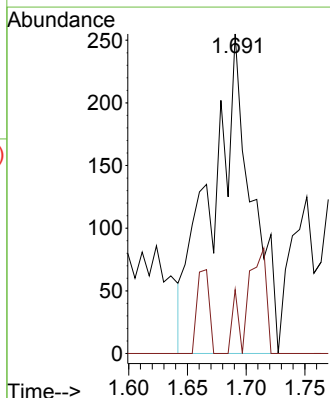
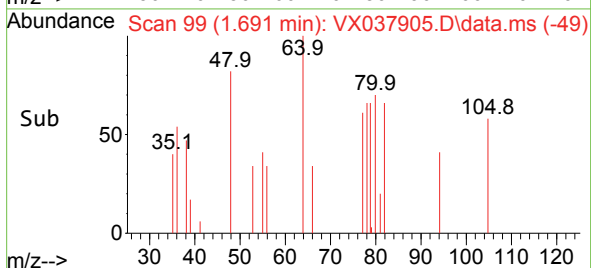
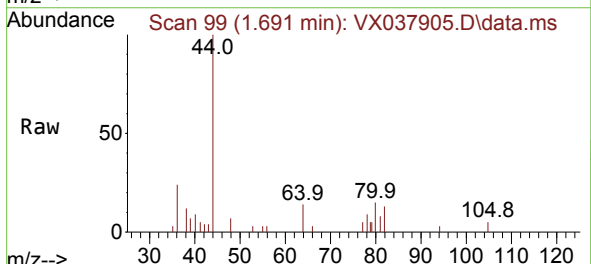


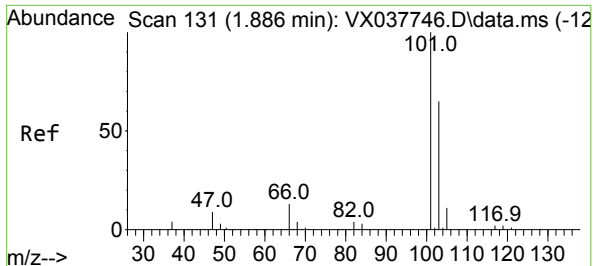
Tgt Ion:168 Resp: 210888
Ion Ratio Lower Upper
168 100
99 56.0 56.6 85.0#



#6
Chloroethane
Concen: 0.341 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX037905.D
Acq: 26 Sep 2023 13:11

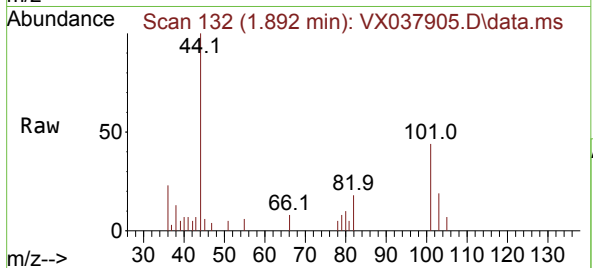
Tgt Ion: 64 Resp: 613
Ion Ratio Lower Upper
64 100
66 20.0 25.1 37.7#



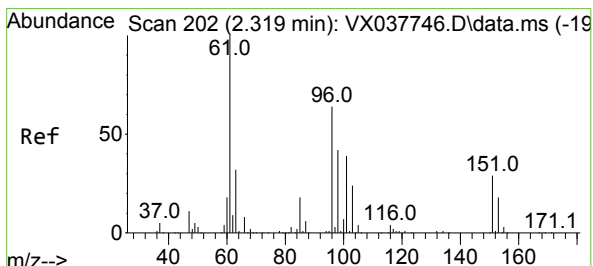
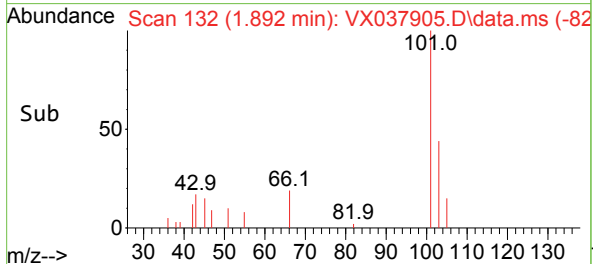
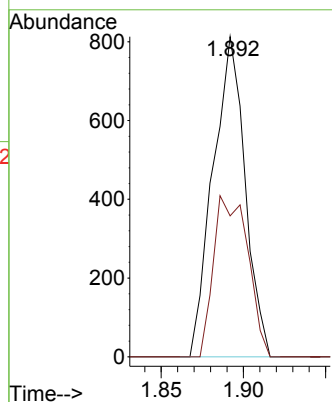


#7
 Trichlorofluoromethane
 Concen: 0.263 ug/l
 RT: 1.892 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX037905.D
 Acq: 26 Sep 2023 13:11

Instrument :
 MSVOA_X
 ClientSampleId :

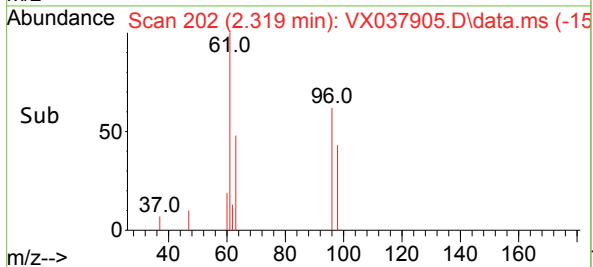
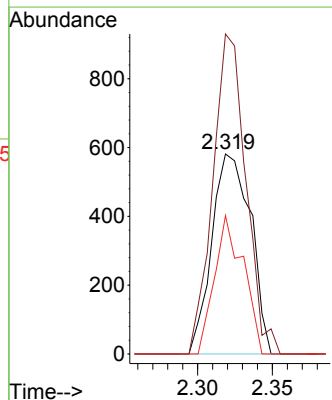
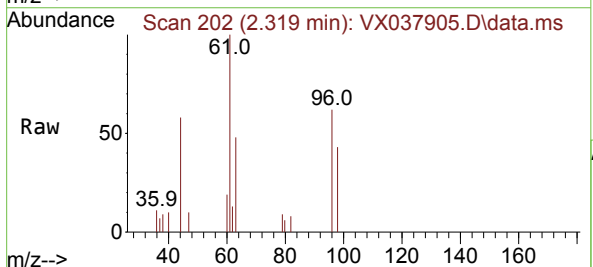


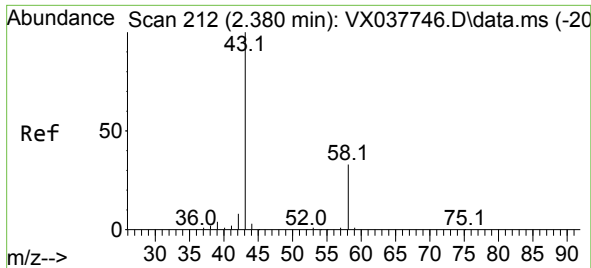
Tgt Ion:101 Resp: 1103
 Ion Ratio Lower Upper
 101 100
 103 44.0 51.4 77.2#



#12
 1,1-Dichloroethene
 Concen: 0.509 ug/l
 RT: 2.319 min Scan# 202
 Delta R.T. -0.006 min
 Lab File: VX037905.D
 Acq: 26 Sep 2023 13:11

Tgt Ion: 96 Resp: 1048
 Ion Ratio Lower Upper
 96 100
 61 160.1 144.6 216.8
 98 69.2 50.4 75.6

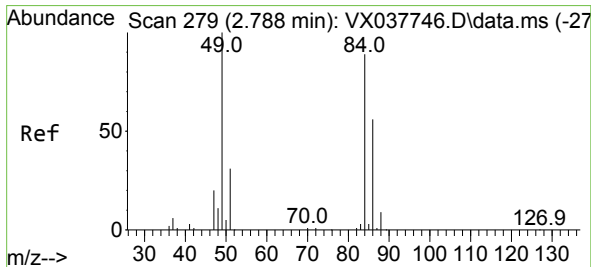
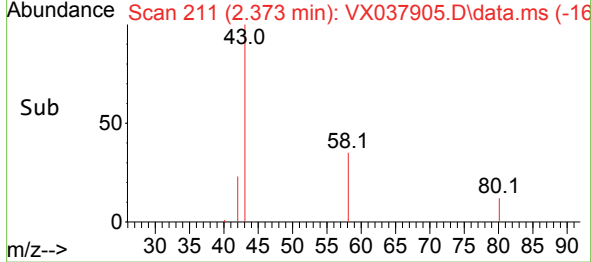
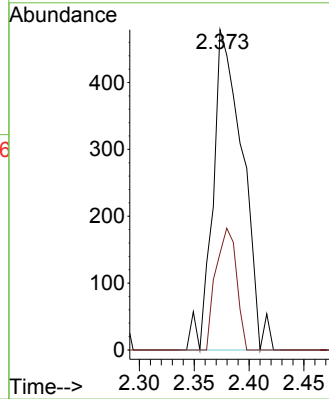
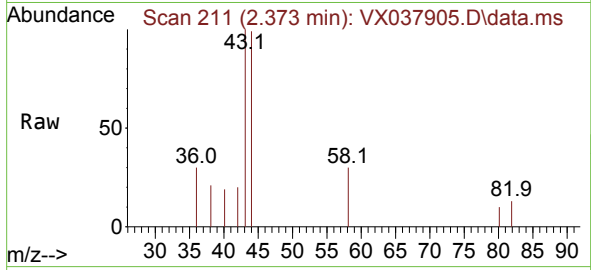




#16
Acetone
Concen: 0.679 ug/l
RT: 2.373 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX037905.D
Acq: 26 Sep 2023 13:11

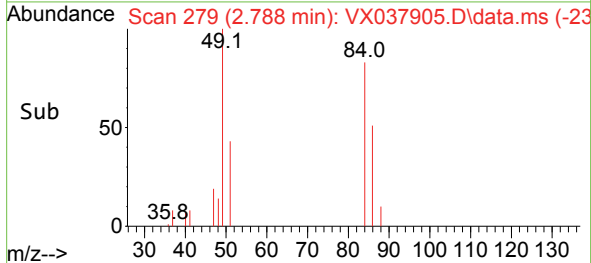
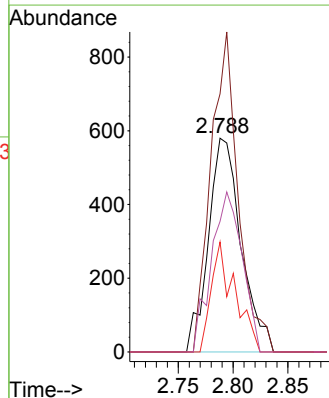
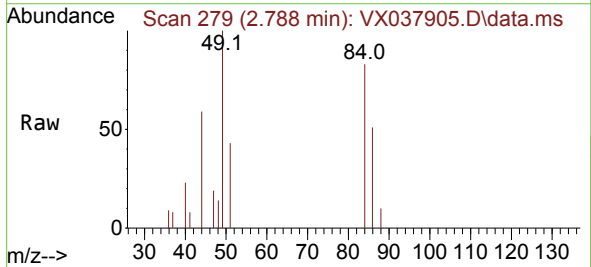
Instrument :
MSVOA_X
ClientSampleId :

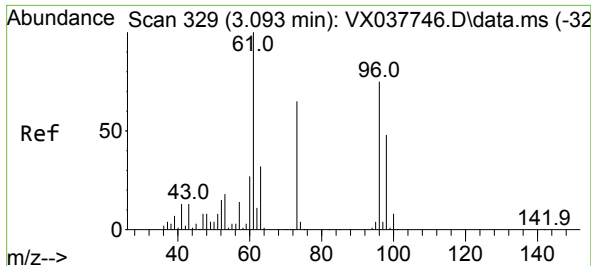
Tgt Ion: 43 Resp: 905
Ion Ratio Lower Upper
43 100
58 30.3 21.9 32.9



#20
Methylene Chloride
Concen: 0.464 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX037905.D
Acq: 26 Sep 2023 13:11

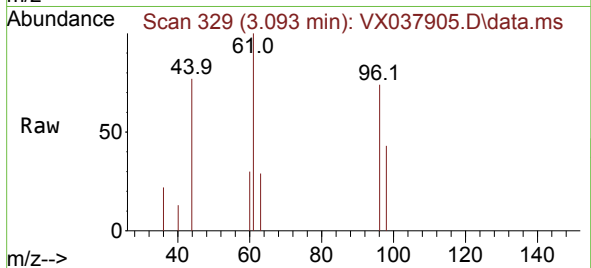
Tgt Ion: 84 Resp: 1204
Ion Ratio Lower Upper
84 100
49 120.7 103.6 155.4
51 51.4 33.8 50.6#
86 61.0 49.4 74.0



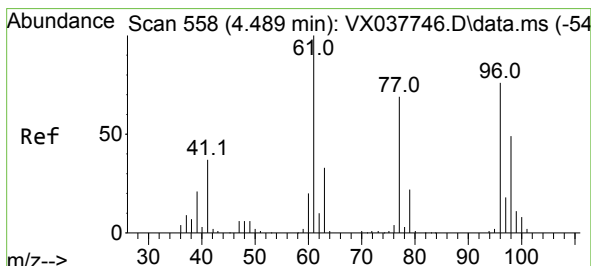
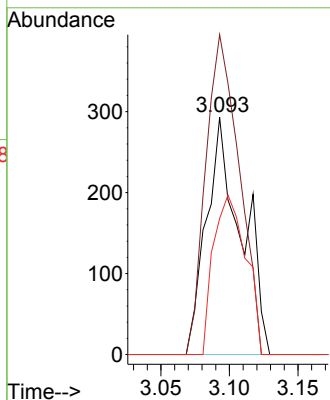
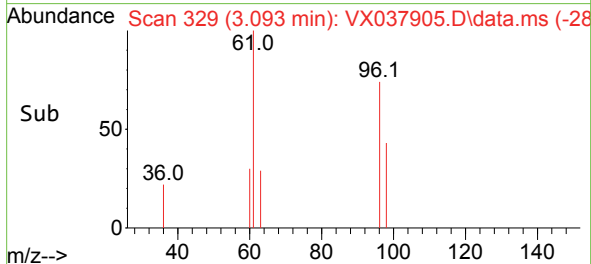


#21
trans-1,2-Dichloroethene
Concen: 0.227 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX037905.D
Acq: 26 Sep 2023 13:11

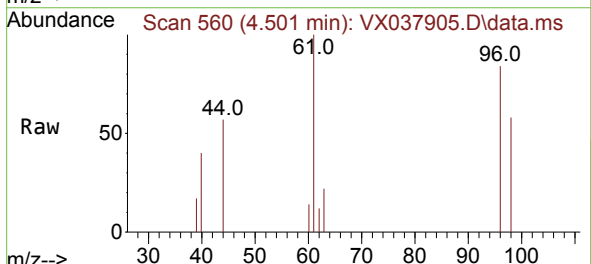
Instrument :
MSVOA_X
ClientSampleId :



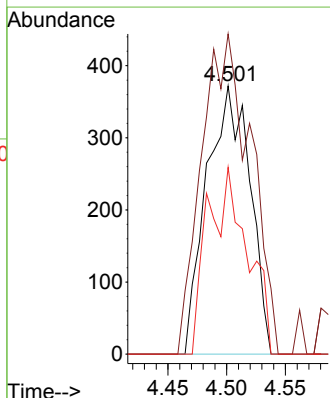
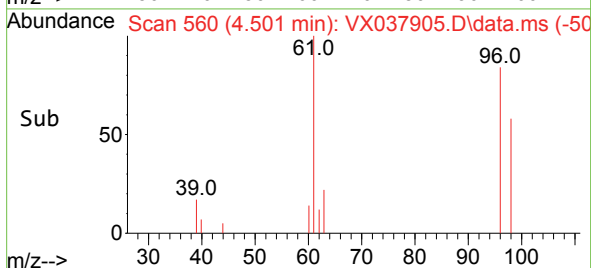
Tgt Ion: 96 Resp: 518
Ion Ratio Lower Upper
96 100
61 134.8 119.2 178.8
98 57.3 48.7 73.1

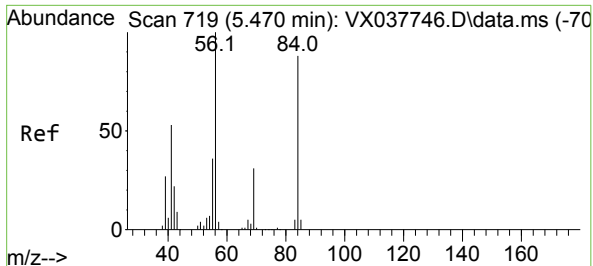


#27
cis-1,2-Dichloroethene
Concen: 0.340 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.012 min
Lab File: VX037905.D
Acq: 26 Sep 2023 13:11



Tgt Ion: 96 Resp: 951
Ion Ratio Lower Upper
96 100
61 136.2 0.0 312.2
98 64.1 0.0 129.0





#31

Cyclohexane

Concen: 1.288 ug/l

RT: 5.550 min Scan# 719

Delta R.T. 0.079 min

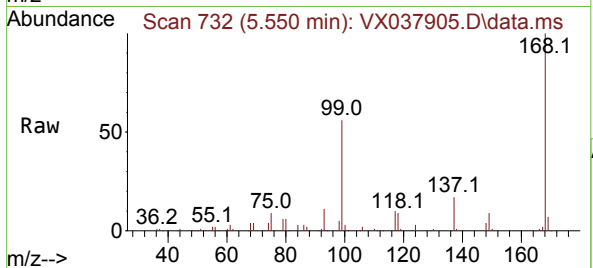
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Acq: 26 Sep 2023 13:11

Instrument :

MSVOA_X

ClientSampleId :



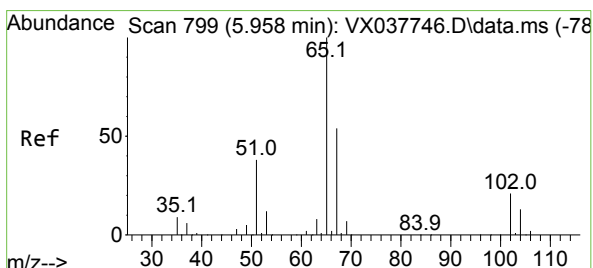
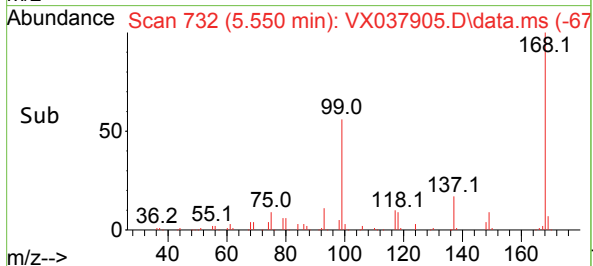
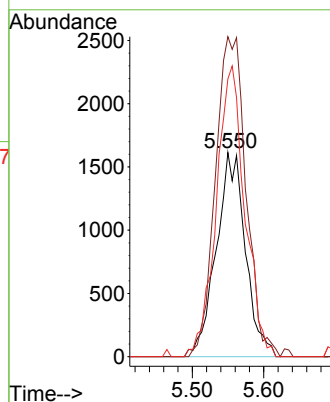
Tgt Ion: 56 Resp: 4582

Ion Ratio Lower Upper

56 100

69 156.8 23.4 35.2#

84 136.1 65.9 98.9#



#33

1,2-Dichloroethane-d4

Concen: 46.918 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX037905.D

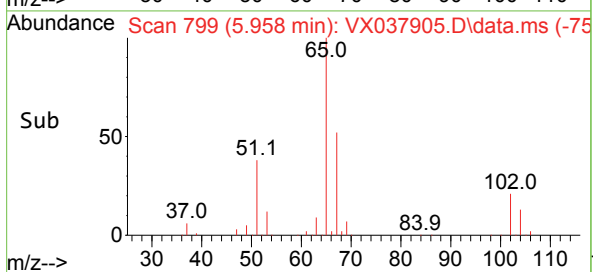
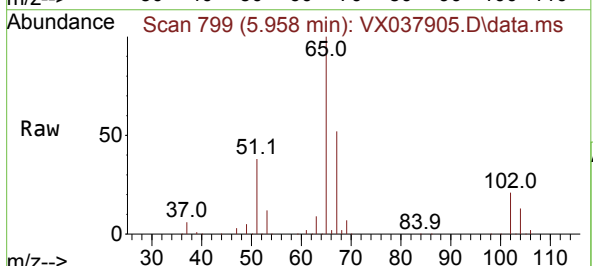
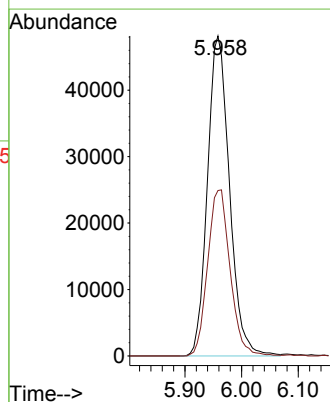
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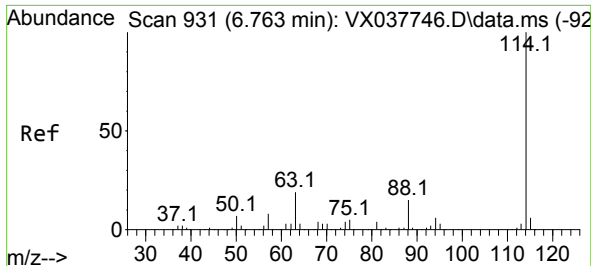
Tgt Ion: 65 Resp: 129998

Ion Ratio Lower Upper

65 100

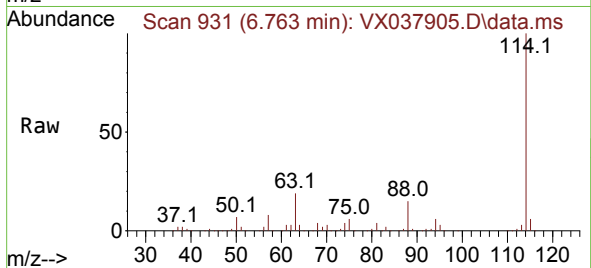
67 52.9 0.0 100.2



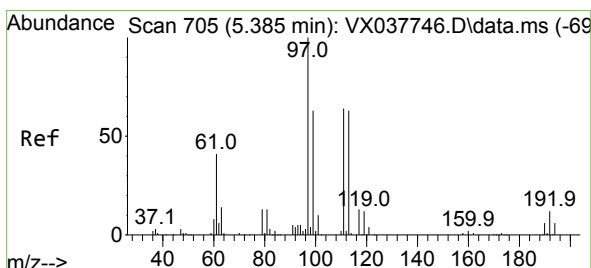
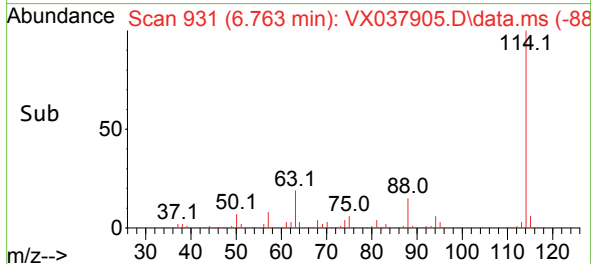
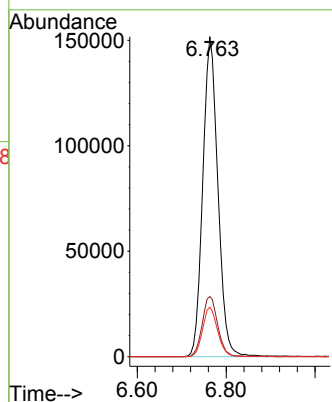


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037905.D
Acq: 26 Sep 2023 13:11

Instrument :
MSVOA_X
ClientSampleId :

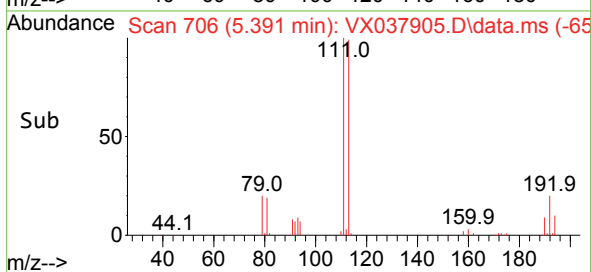
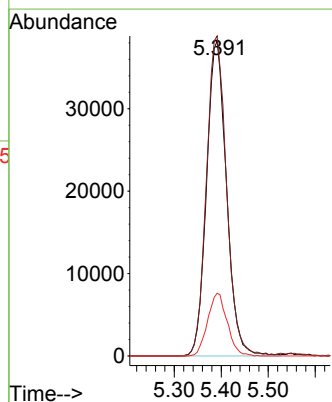
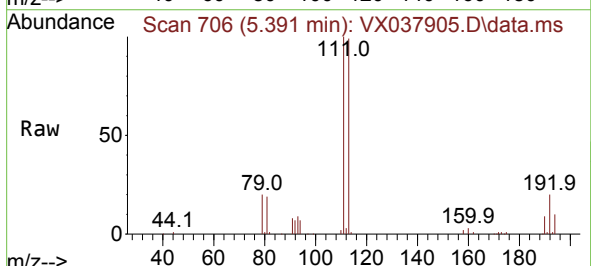


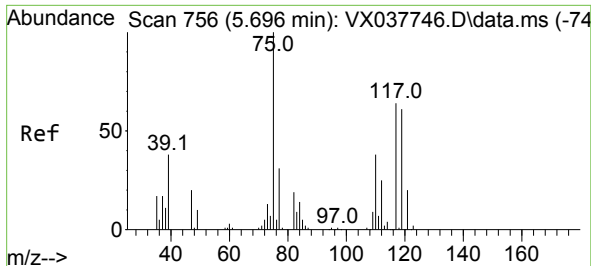
Tgt Ion:114 Resp: 359104
Ion Ratio Lower Upper
114 100
63 18.8 0.0 45.0
88 15.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.911 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX037905.D
Acq: 26 Sep 2023 13:11

Tgt Ion:113 Resp: 112716
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 19.5 13.3 19.9

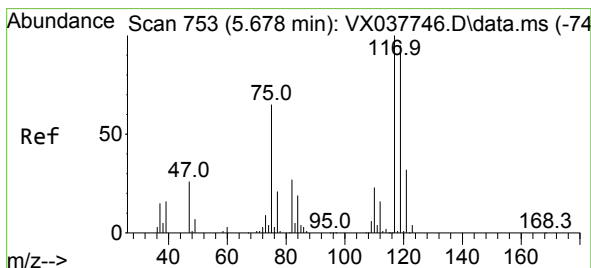
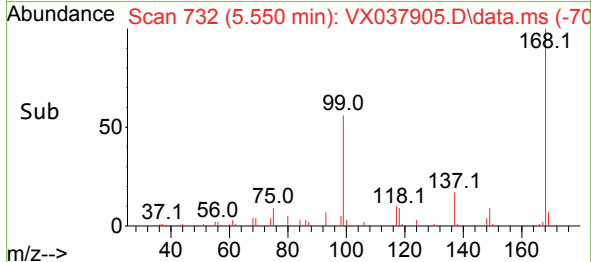
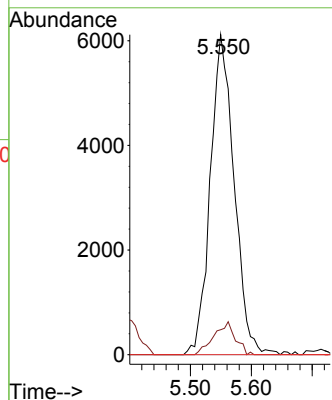
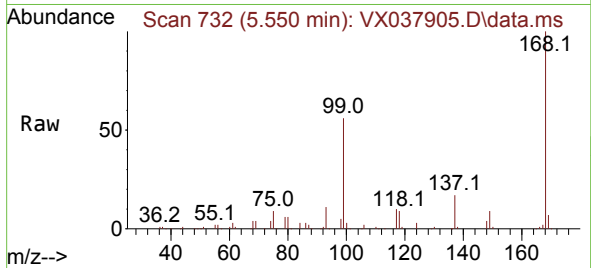




#36
1,1-Dichloropropene
Concen: 5.030 ug/l
RT: 5.550 min Scan# 713
Delta R.T. -0.146 min
Lab File: VX037905.D
Acq: 26 Sep 2023 13:11

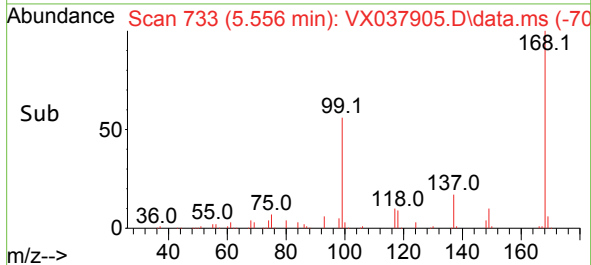
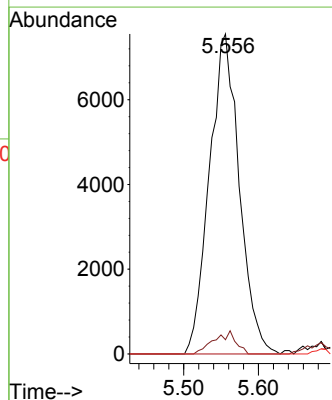
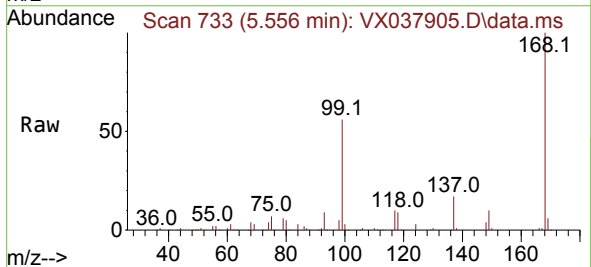
Instrument :
MSVOA_X
ClientSampleId :

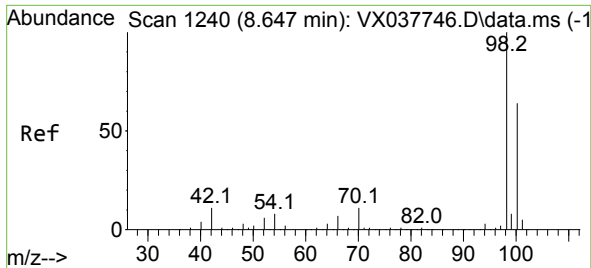
Tgt Ion: 75 Resp: 16649
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.065 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX037905.D
Acq: 26 Sep 2023 13:11

Tgt Ion: 117 Resp: 21003
Ion Ratio Lower Upper
117 100
119 4.5 78.2 117.2#
121 0.0 24.4 36.6#

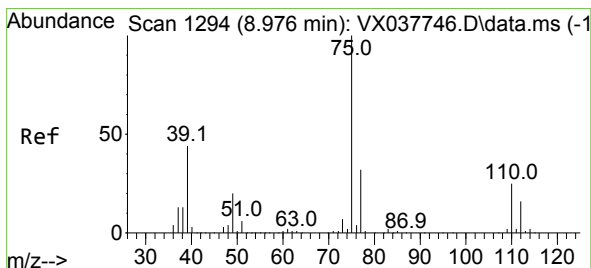
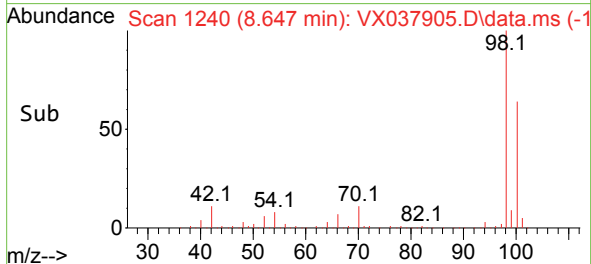
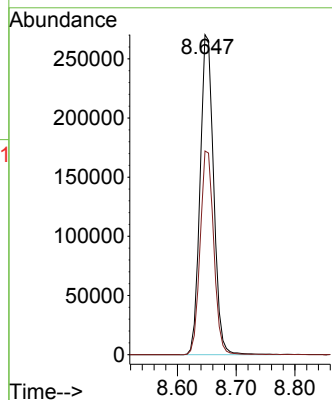
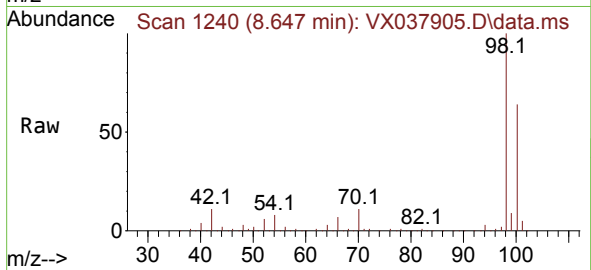




#50
Toluene-d8
Concen: 48.420 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037905.D
Acq: 26 Sep 2023 13:11

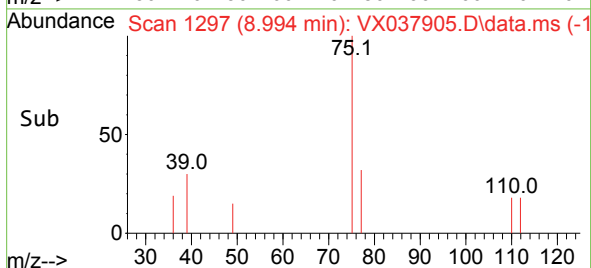
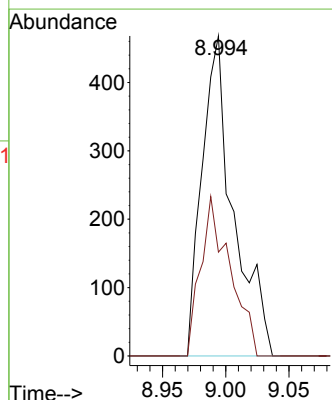
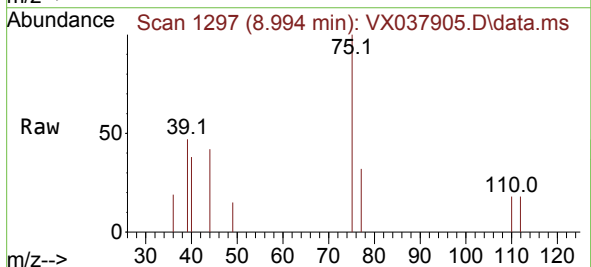
Instrument :
MSVOA_X
ClientSampleId :

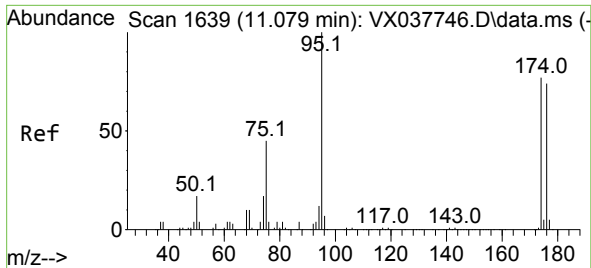
Tgt Ion: 98 Resp: 432289
Ion Ratio Lower Upper
98 100
100 64.1 53.1 79.7



#53
t-1,3-Dichloropropene
Concen: 0.221 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.006 min
Lab File: VX037905.D
Acq: 26 Sep 2023 13:11

Tgt Ion: 75 Resp: 809
Ion Ratio Lower Upper
75 100
77 32.5 25.7 38.5

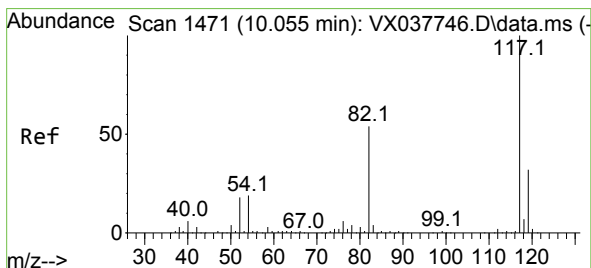
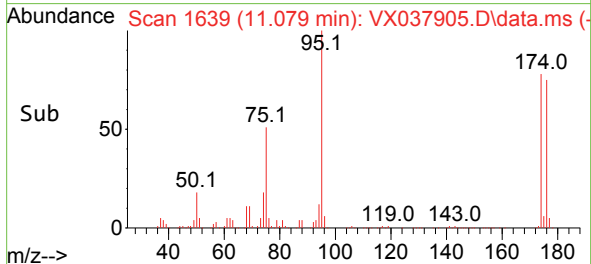
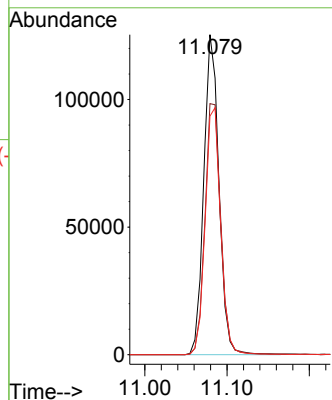
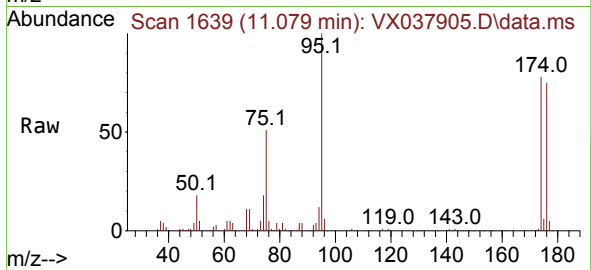




#62
4-Bromofluorobenzene
Concen: 49.397 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037905.D
Acq: 26 Sep 2023 13:11

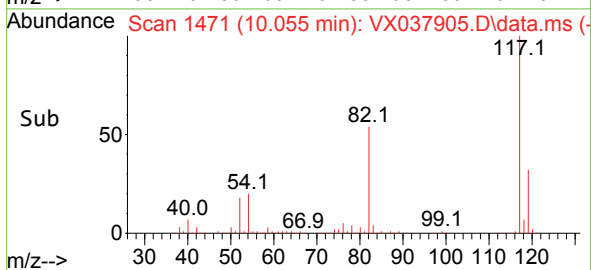
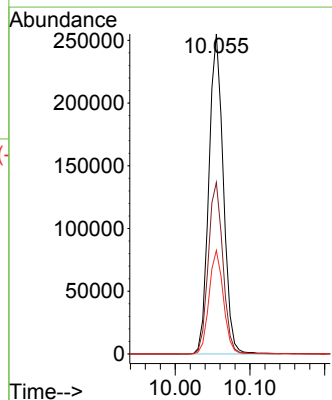
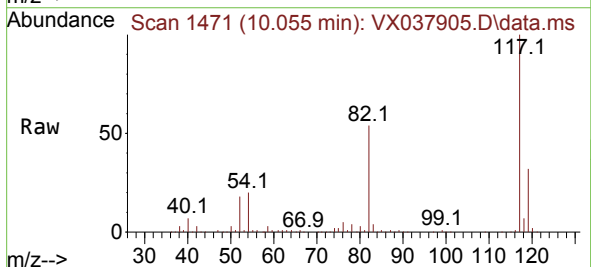
Instrument :
MSVOA_X
ClientSampleId :

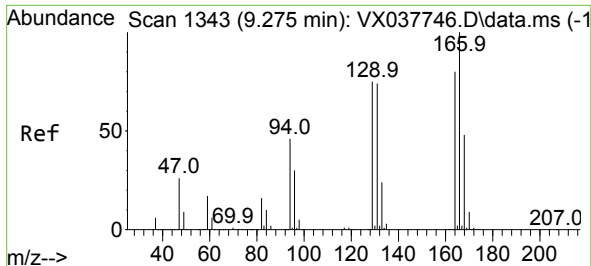
Tgt Ion: 95 Resp: 160253
Ion Ratio Lower Upper
95 100
174 82.1 0.0 135.6
176 79.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037905.D
Acq: 26 Sep 2023 13:11

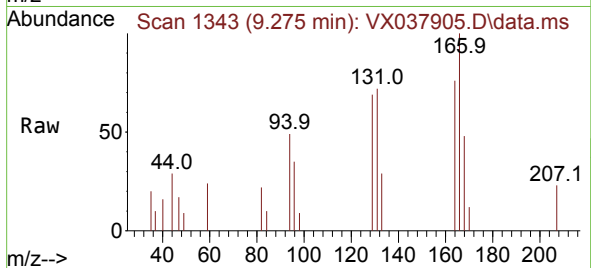
Tgt Ion: 117 Resp: 341363
Ion Ratio Lower Upper
117 100
82 53.6 46.2 69.4
119 32.4 25.5 38.3



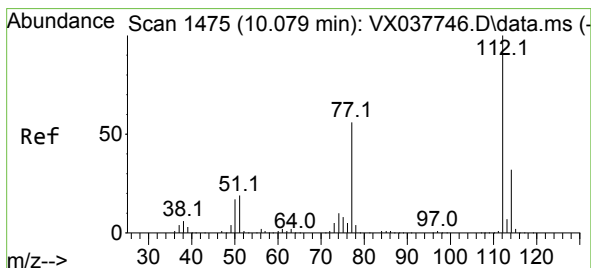
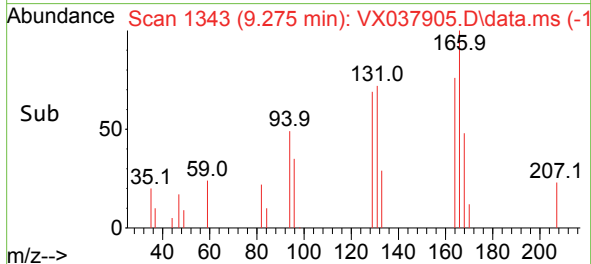
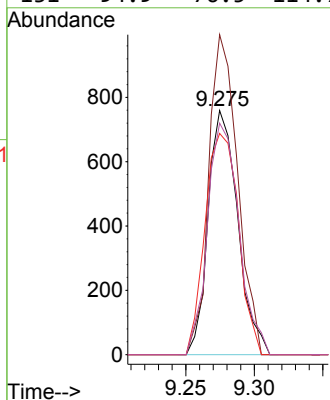


#64
Tetrachloroethene
Concen: 0.490 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037905.D
Acq: 26 Sep 2023 13:11

Instrument :
MSVOA_X
ClientSampleId :

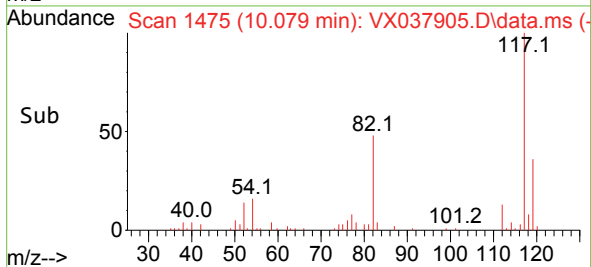
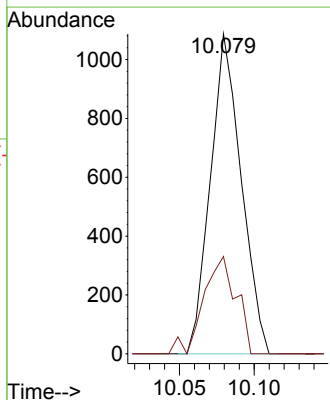
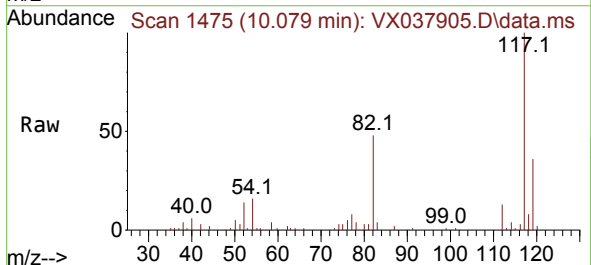


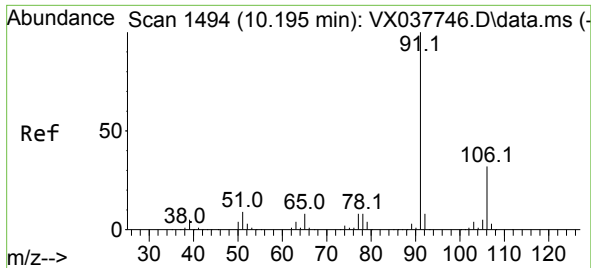
Tgt Ion:164	Resp:	1140	
Ion	Ratio	Lower	Upper
164	100		
166	131.1	102.7	154.1
129	90.6	80.4	120.6
131	94.9	76.5	114.7



#65
Chlorobenzene
Concen: 0.211 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX037905.D
Acq: 26 Sep 2023 13:11

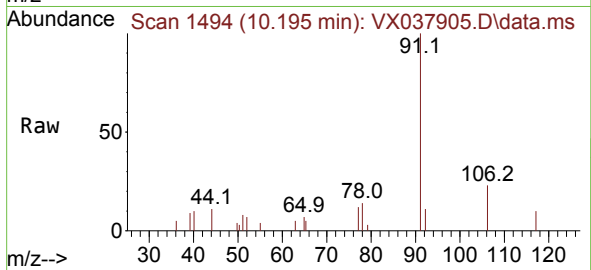
Tgt Ion:112	Resp:	1556	
Ion	Ratio	Lower	Upper
112	100		
114	30.5	25.7	38.5



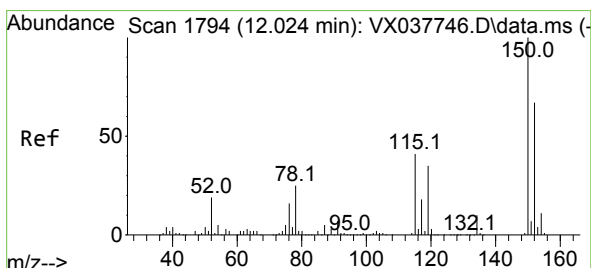
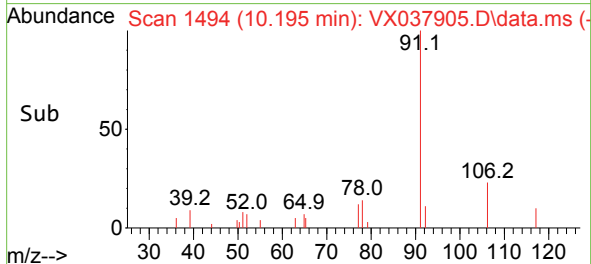
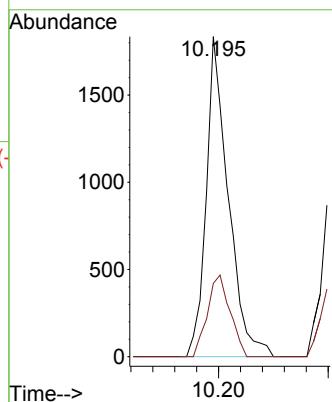


#67
Ethyl Benzene
Concen: 0.201 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX037905.D
Acq: 26 Sep 2023 13:11

Instrument :
MSVOA_X
ClientSampleId :

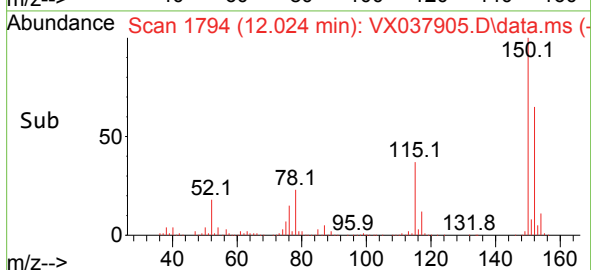
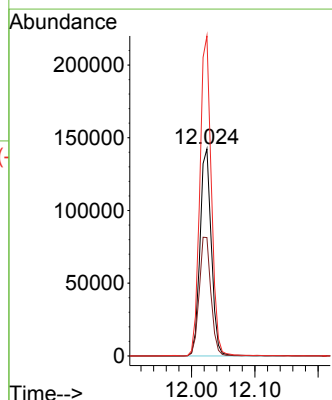
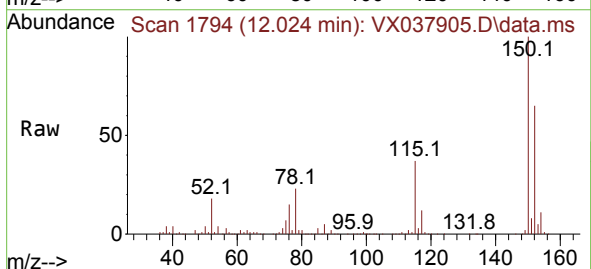


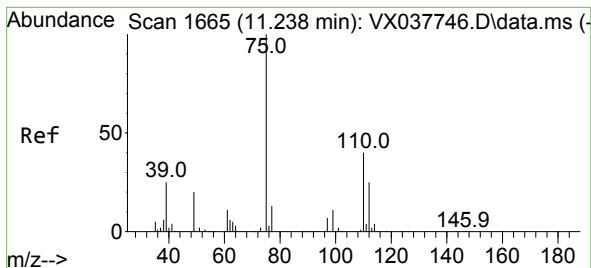
Tgt Ion: 91 Resp: 2562
Ion Ratio Lower Upper
91 100
106 22.9 24.9 37.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037905.D
Acq: 26 Sep 2023 13:11

Tgt Ion: 152 Resp: 177796
Ion Ratio Lower Upper
152 100
115 59.3 43.3 129.9
150 156.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 19.876 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX037905.D

Acq: 26 Sep 2023 13:11

Instrument :

MSVOA_X

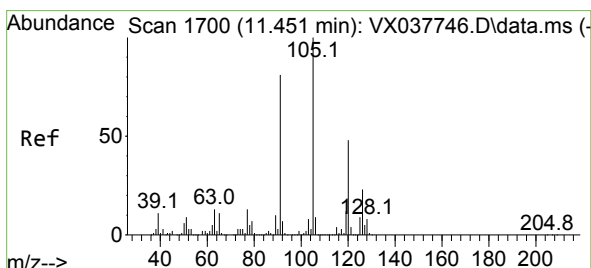
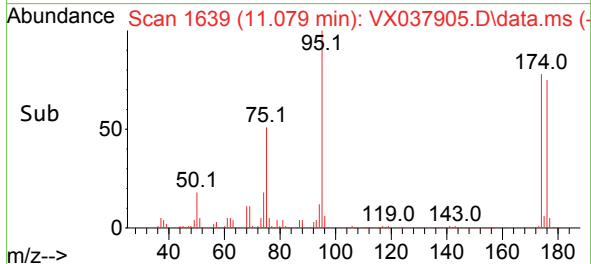
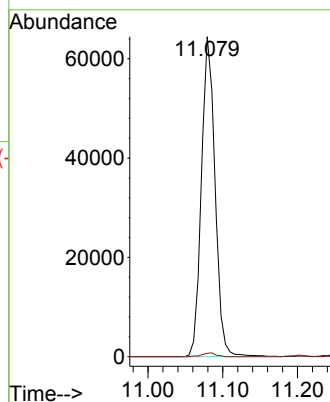
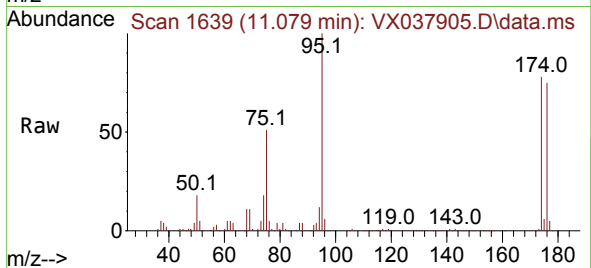
ClientSampleId :

Tgt Ion: 75 Resp: 81733

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#80

1,3,5-Trimethylbenzene

Concen: 0.294 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX037905.D

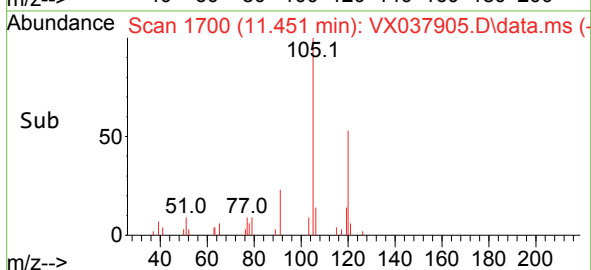
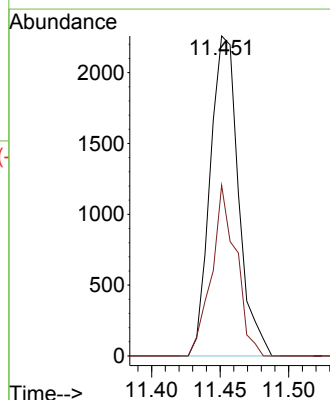
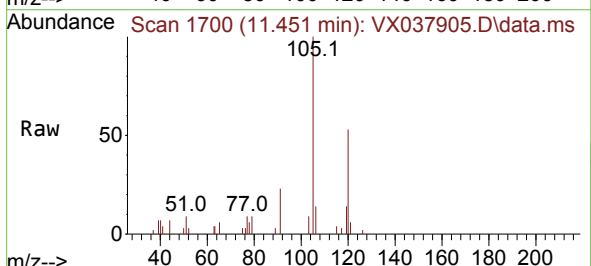
Acq: 26 Sep 2023 13:11

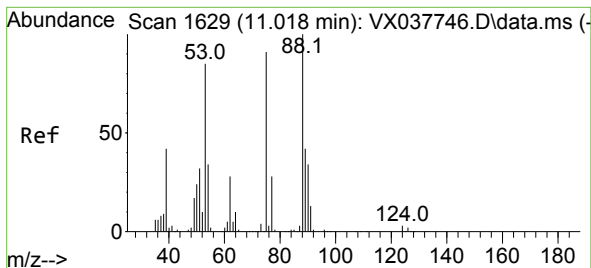
Tgt Ion: 105 Resp: 3241

Ion Ratio Lower Upper

105 100

120 46.3 24.1 72.3

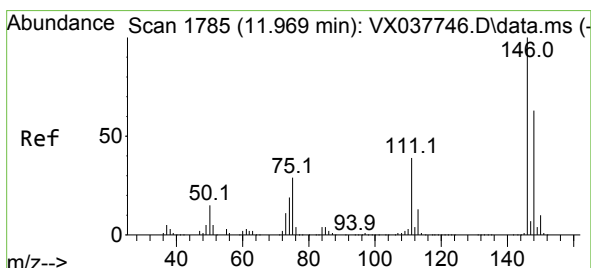
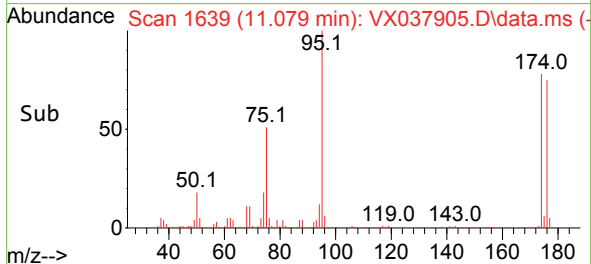
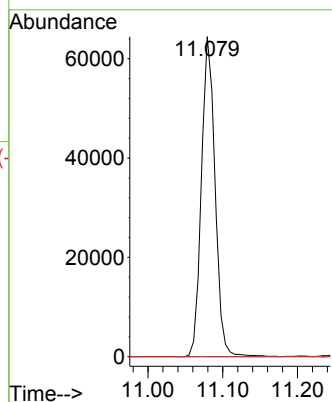
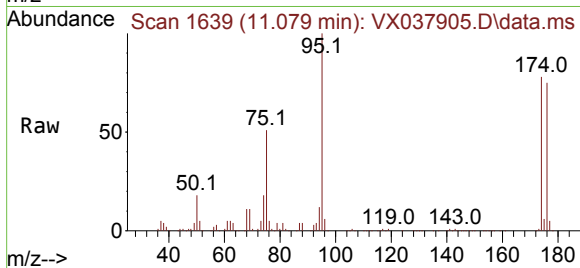




#81
trans-1,4-Dichloro-2-butene
Concen: 63.669 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037905.D
Acq: 26 Sep 2023 13:11

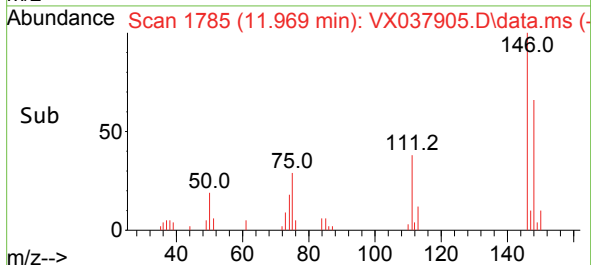
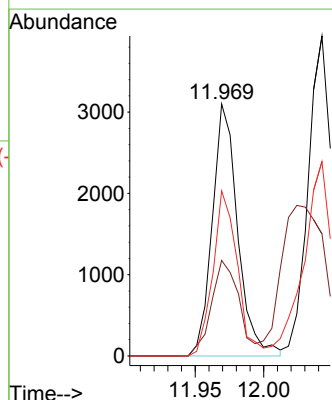
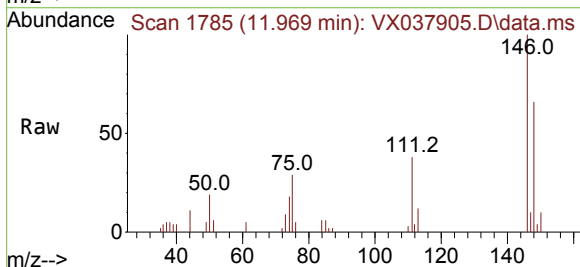
Instrument :
MSVOA_X
ClientSampleId :

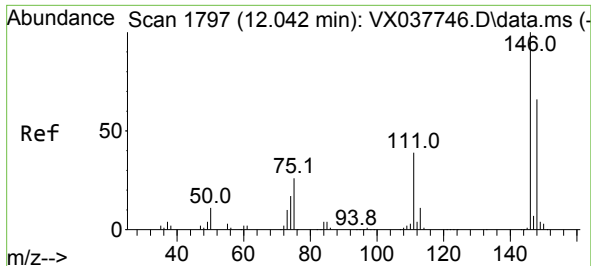
Tgt Ion: 75 Resp: 81733
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#87
1,3-Dichlorobenzene
Concen: 0.664 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX037905.D
Acq: 26 Sep 2023 13:11

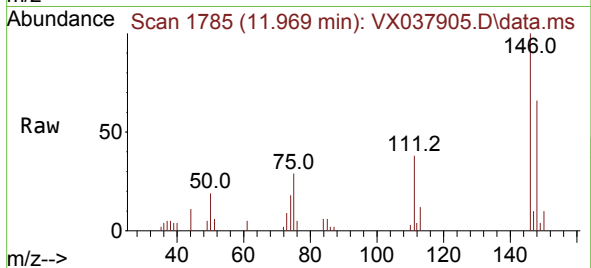
Tgt Ion:146 Resp: 3999
Ion Ratio Lower Upper
146 100
111 41.0 22.1 66.1
148 62.8 31.8 95.3



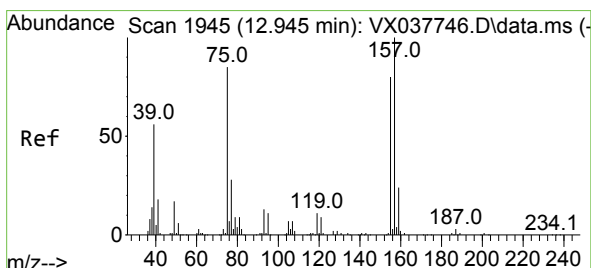
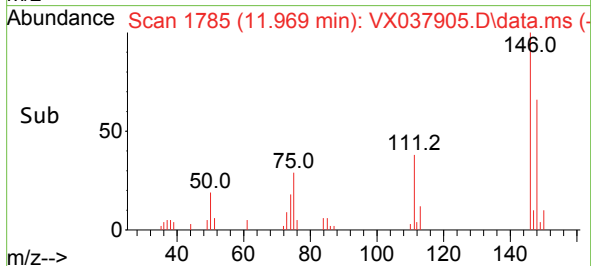
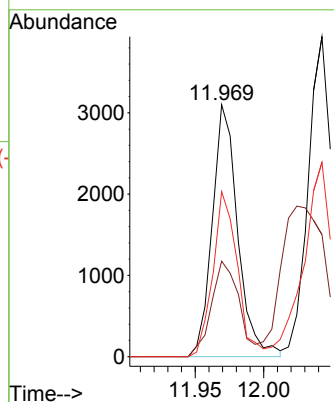


#88
 1,4-Dichlorobenzene
 Concen: 0.649 ug/l
 RT: 11.969 min Scan# 11
 Delta R.T. -0.073 min
 Lab File: VX037905.D
 Acq: 26 Sep 2023 13:11

Instrument :
 MSVOA_X
 ClientSampleId :

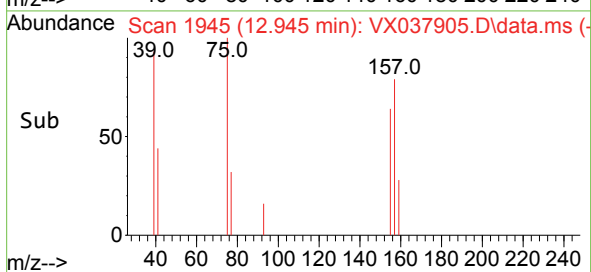
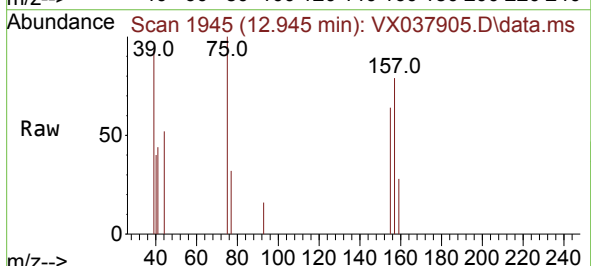
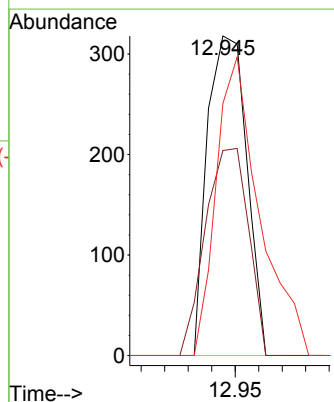


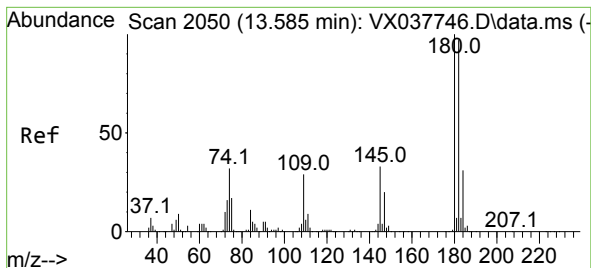
Tgt Ion:146 Resp: 3999
 Ion Ratio Lower Upper
 146 100
 111 41.0 21.3 63.7
 148 62.8 31.8 95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.405 ug/l
 RT: 12.945 min Scan# 1945
 Delta R.T. 0.006 min
 Lab File: VX037905.D
 Acq: 26 Sep 2023 13:11

Tgt Ion: 75 Resp: 370
 Ion Ratio Lower Upper
 75 100
 155 71.1 36.1 108.5
 157 103.0 44.9 134.7





#93

1,2,4-Trichlorobenzene

Concen: 0.220 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. -0.000 min

Lab File: VX037905.D

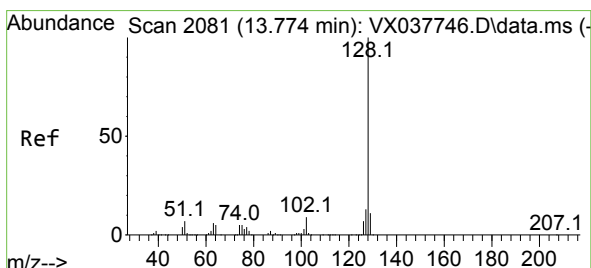
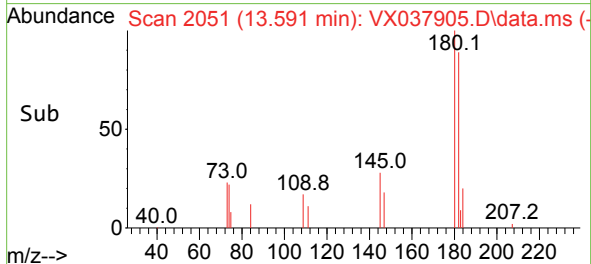
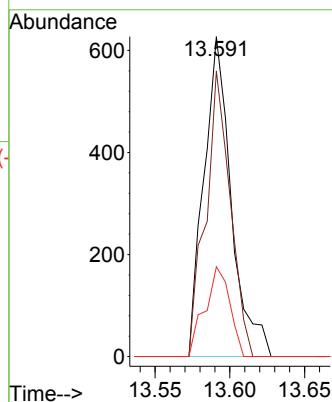
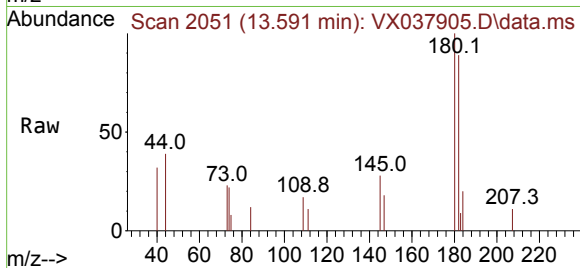
Acq: 26 Sep 2023 13:11

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180	Resp:	798
Ion	Ratio	Lower Upper
180	100	
182	79.7	48.3 144.8
145	25.4	18.0 54.0



#95

Naphthalene

Concen: 1.590 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VX037905.D

Acq: 26 Sep 2023 13:11

Tgt Ion:128	Resp:	19468
Ion	Ratio	Lower Upper
128	100	
127	12.7	10.3 15.5
129	10.8	8.8 13.2

