

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092623\
 Data File : VX037906.D
 Acq On : 26 Sep 2023 13:57
 Operator : JC/MD
 Sample : PB155812TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 27 01:14:57 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)

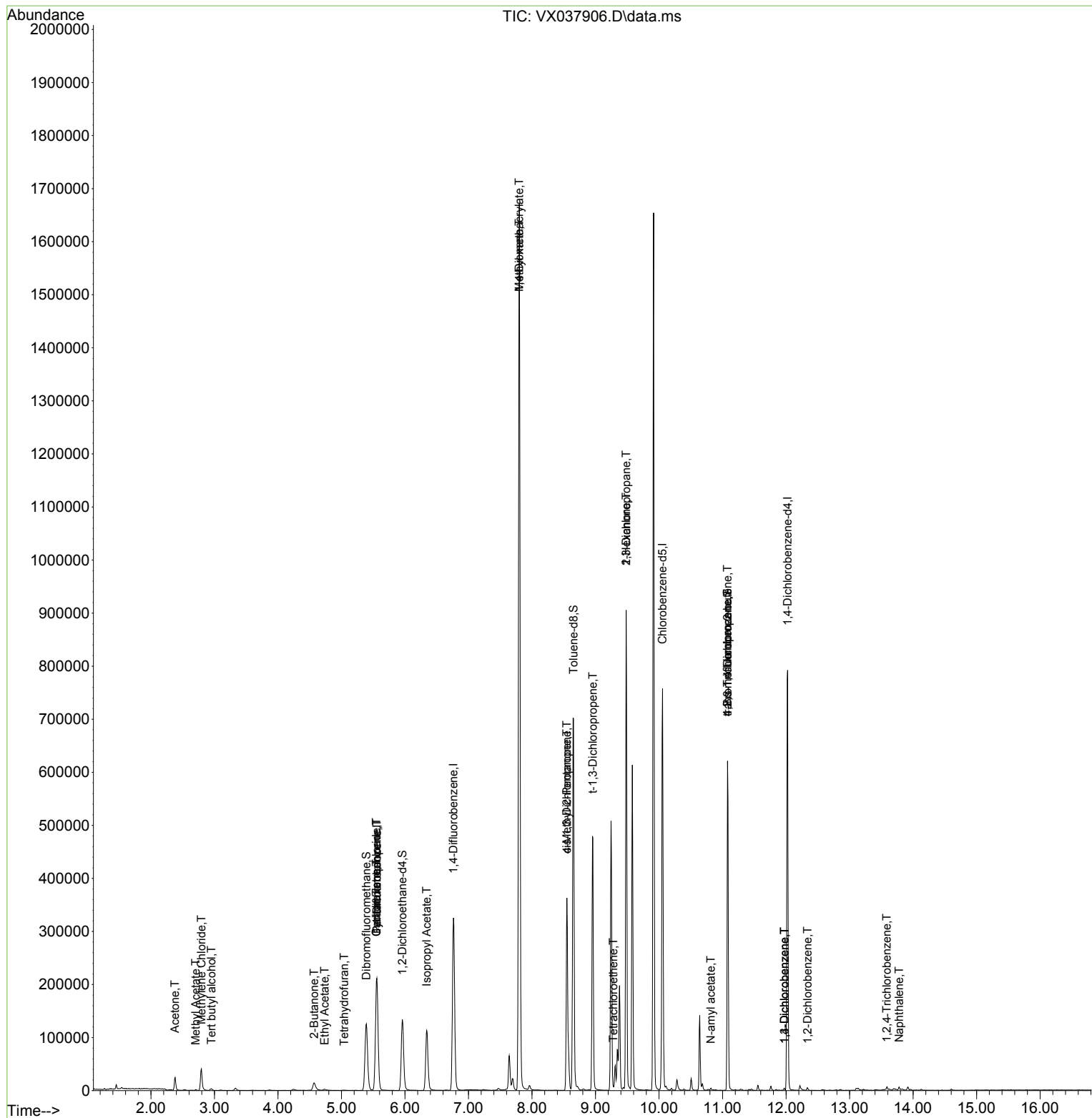
Internal Standards						
1) Pentafluorobenzene	5.556	168	205659	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	350047	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	340991	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	173650	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	129401	47.890	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.780%		
35) Dibromofluoromethane	5.391	113	110789	47.302	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.600%		
50) Toluene-d8	8.653	98	432682	49.718	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.440%		
62) 4-Bromofluorobenzene	11.079	95	159292	50.371	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.740%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.953	59	2456	4.235	ug/l	# 87
16) Acetone	2.380	43	25239	19.417	ug/l	93
18) Methyl Acetate	2.703	43	1471	0.314	ug/l	97
20) Methylene Chloride	2.794	84	20389	8.463	ug/l	86
25) 2-Butanone	4.568	43	14951	8.151	ug/l	# 88
29) Tetrahydrofuran	5.044	42	504	0.442	ug/l	# 43
31) Cyclohexane	5.550	56	4258	1.228	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	15765	4.886	ug/l	# 51
37) Ethyl Acetate	4.733	43	3807	1.073	ug/l	95
38) Carbon Tetrachloride	5.550	117	20919	6.197	ug/l	# 15
43) Isopropyl Acetate	6.342	43	153495	27.063	ug/l	96
48) Methyl methacrylate	7.799	41	142353	52.503	ug/l	# 49
49) 1,4-Dioxane	7.799	88	262	3.686	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	144639	40.194	ug/l	# 37
53) t-1,3-Dichloropropene	8.958	75	1444	0.405	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	59257	15.001	ug/l	# 56
57) 1,3-Dichloropropane	9.482	76	7680	1.760	ug/l	# 43
59) 2-Hexanone	9.482	43	98439	35.134	ug/l	# 55
64) Tetrachloroethene	9.281	164	581	0.250	ug/l	# 81
74) N-amyl acetate	10.817	43	1268	0.246	ug/l	# 48
76) 1,2,3-Trichloropropane	11.079	75	80856	20.132	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	80856	64.489	ug/l	# 5
87) 1,3-Dichlorobenzene	11.975	146	1378	0.234	ug/l	97
88) 1,4-Dichlorobenzene	11.975	146	1378	0.229	ug/l	96
91) 1,2-Dichlorobenzene	12.341	146	1235	0.206	ug/l	92
93) 1,2,4-Trichlorobenzene	13.585	180	1185	0.335	ug/l	97
95) Naphthalene	13.780	128	3952	0.331	ug/l	97

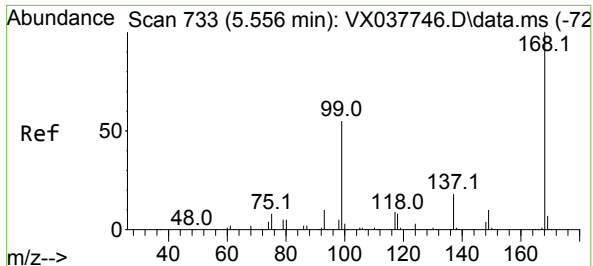
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092623\
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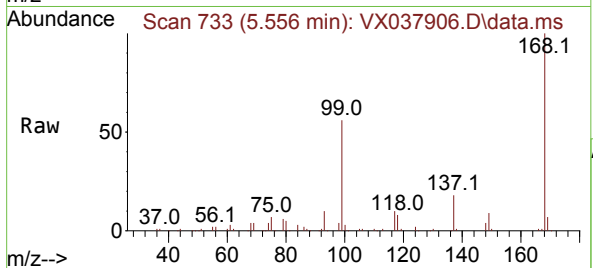
Quant Time: Sep 27 01:14:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 16 04:55:44 2023
Response via : Initial Calibration



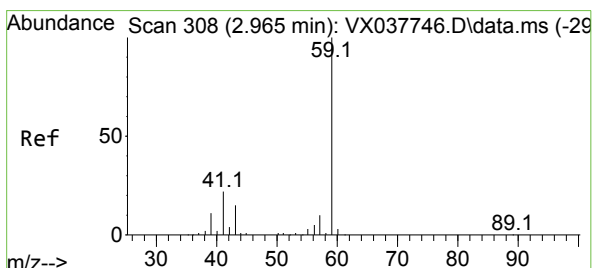
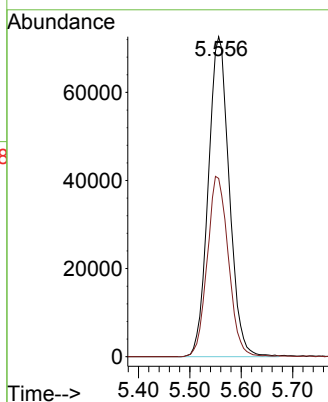
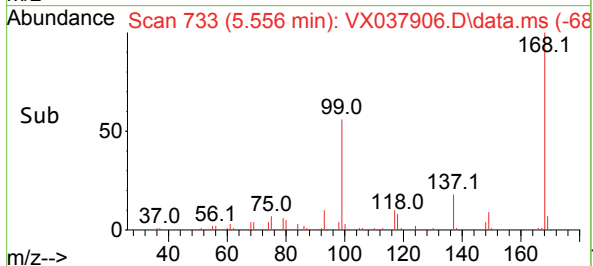


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037906.D
Acq: 26 Sep 2023 13:57

Instrument :
MSVOA_X
ClientSampleId :

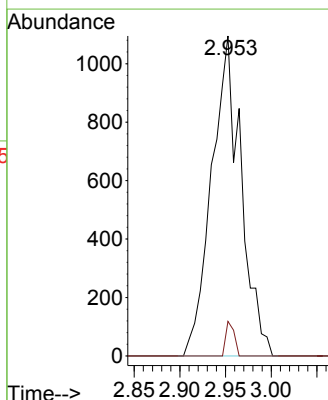
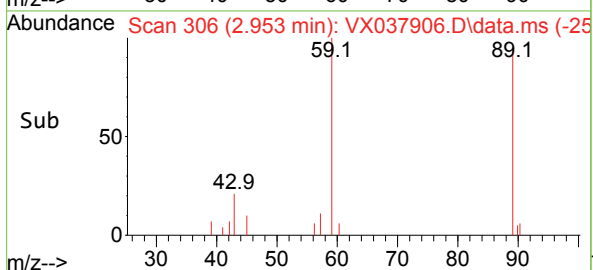
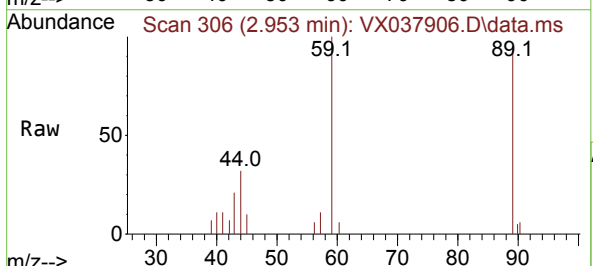


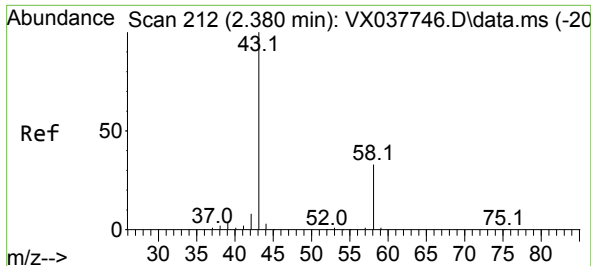
Tgt Ion:168 Resp: 205659
Ion Ratio Lower Upper
168 100
99 55.7 56.6 85.0#



#11
Tert butyl alcohol
Concen: 4.235 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX037906.D
Acq: 26 Sep 2023 13:57

Tgt Ion: 59 Resp: 2456
Ion Ratio Lower Upper
59 100
57 3.1 6.0 9.0#





#16

Acetone

Concen: 19.417 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX037906.D

Acq: 26 Sep 2023 13:57

Instrument :

MSVOA_X

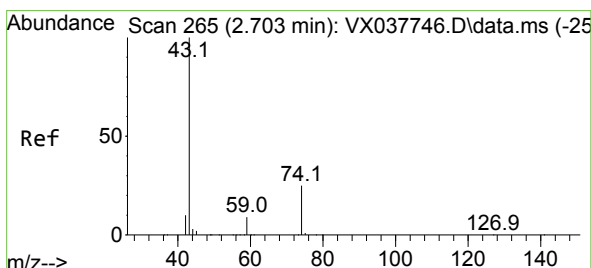
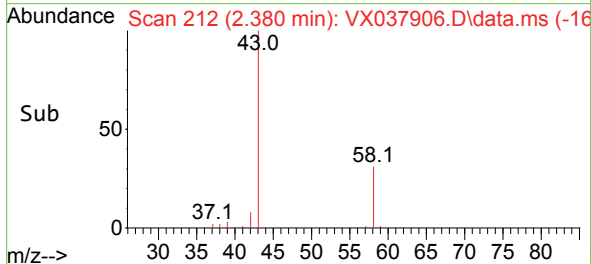
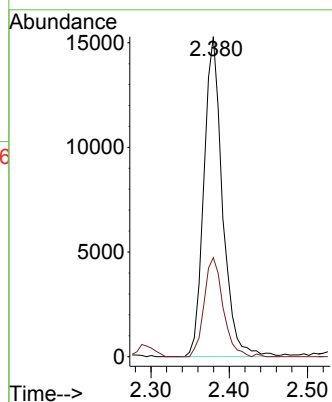
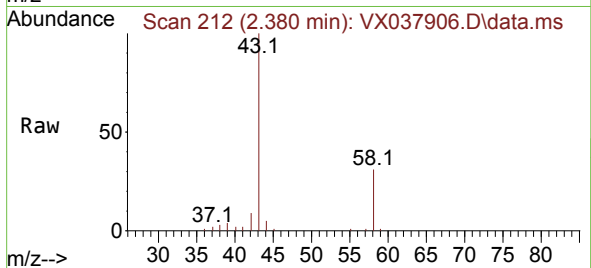
ClientSampleId :

Tgt Ion: 43 Resp: 25239

Ion Ratio Lower Upper

43 100

58 30.9 21.9 32.9



#18

Methyl Acetate

Concen: 0.314 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX037906.D

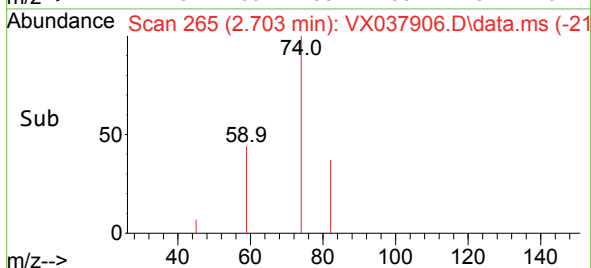
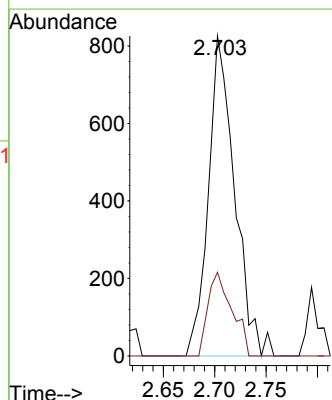
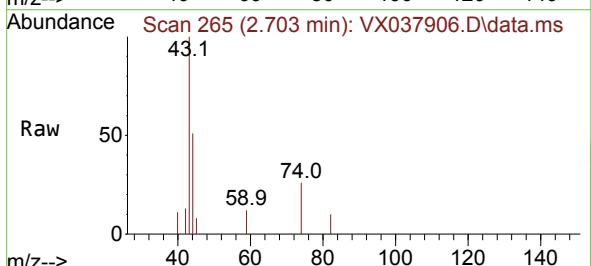
Acq: 26 Sep 2023 13:57

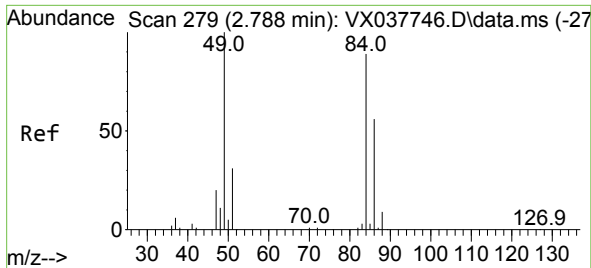
Tgt Ion: 43 Resp: 1471

Ion Ratio Lower Upper

43 100

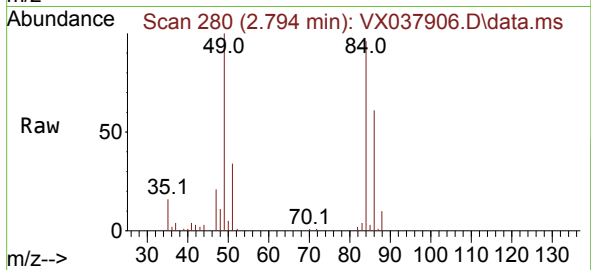
74 23.9 17.8 26.8



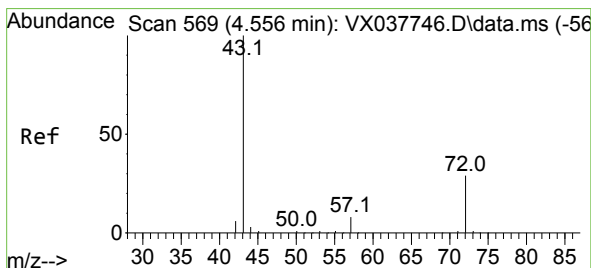
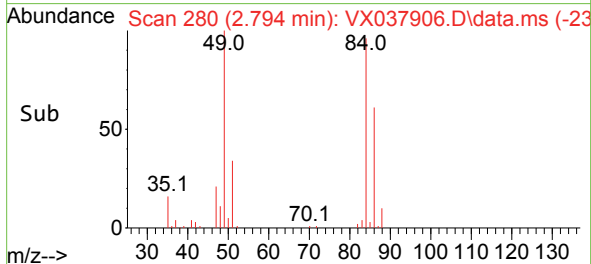
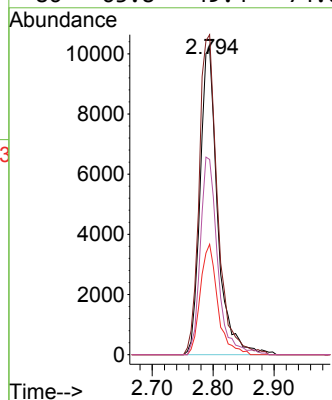


#20
Methylene Chloride
Concen: 8.463 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX037906.D
Acq: 26 Sep 2023 13:57

Instrument :
MSVOA_X
ClientSampleId :

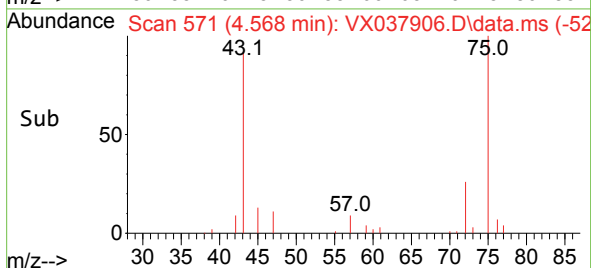
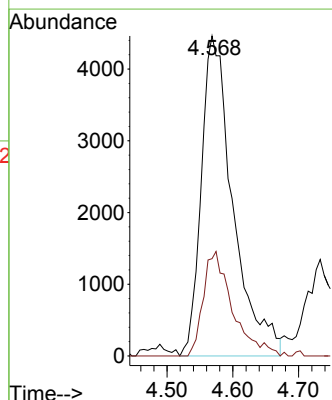
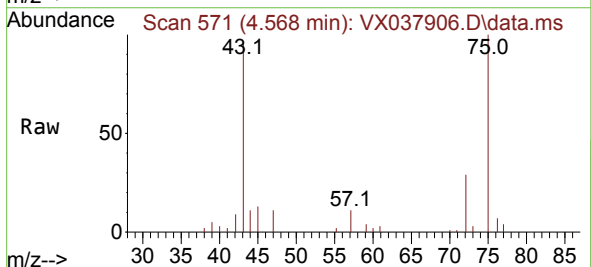


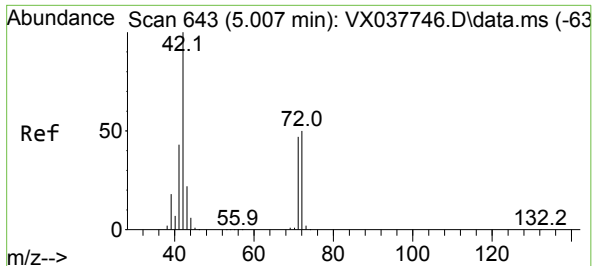
Tgt Ion: 84	Resp: 20389		
Ion	Ratio	Lower	Upper
84	100		
49	104.6	103.6	155.4
51	36.1	33.8	50.6
86	63.8	49.4	74.0



#25
2-Butanone
Concen: 8.151 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.000 min
Lab File: VX037906.D
Acq: 26 Sep 2023 13:57

Tgt Ion: 43	Resp: 14951
Ion Ratio	Lower Upper
43 100	
72 30.4	19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.442 ug/l

RT: 5.044 min Scan# 643

Delta R.T. 0.030 min

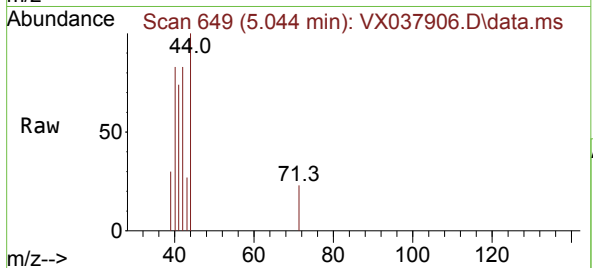
Lab File: VX037906.D

Acq: 26 Sep 2023 13:57

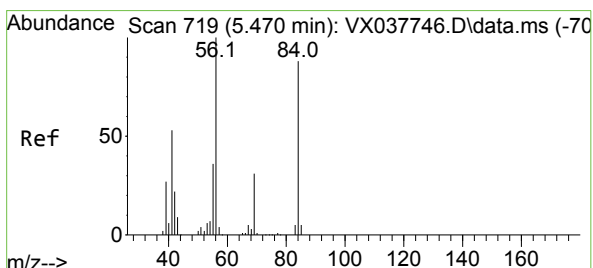
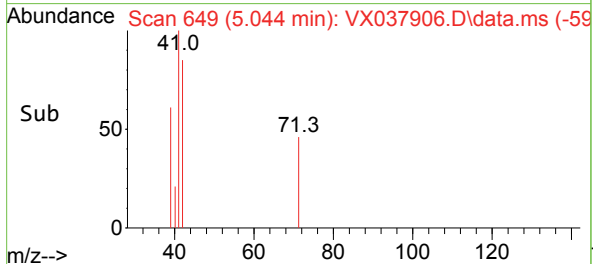
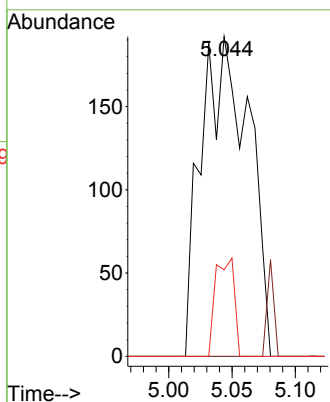
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	504
Ion Ratio	Lower	Upper	
42	100		
72	0.0	34.2	51.4#
71	12.1	32.2	48.2#



#31

Cyclohexane

Concen: 1.228 ug/l

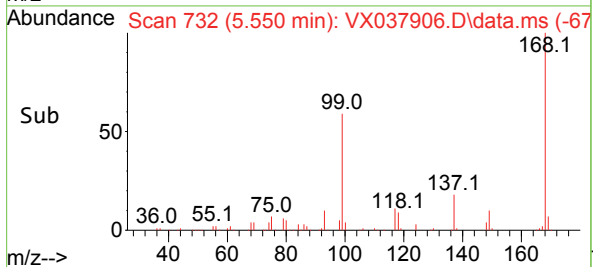
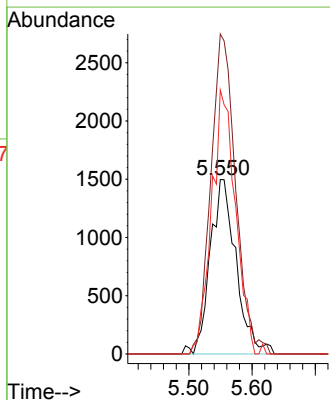
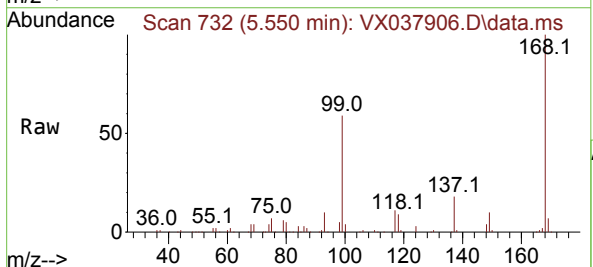
RT: 5.550 min Scan# 732

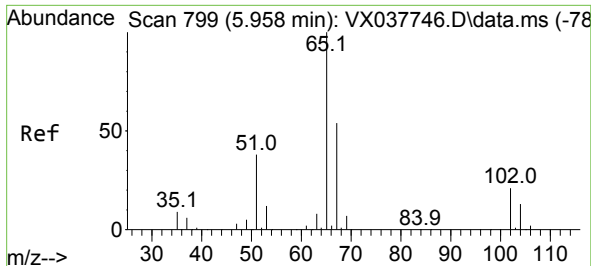
Delta R.T. 0.079 min

Lab File: VX037906.D

Acq: 26 Sep 2023 13:57

Tgt Ion:	56	Resp:	4258
Ion Ratio	Lower	Upper	
56	100		
69	183.5	23.4	35.2#
84	151.4	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 47.890 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX037906.D

Acq: 26 Sep 2023 13:57

Instrument :

MSVOA_X

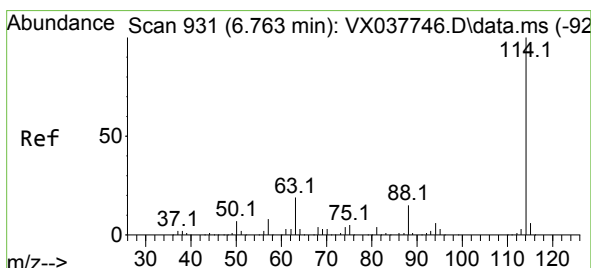
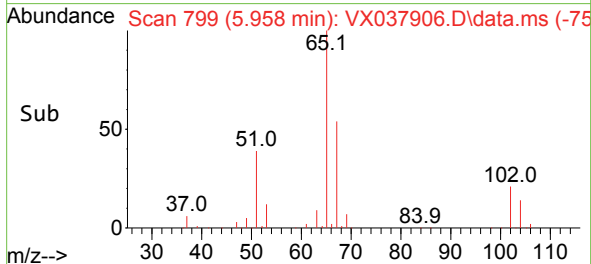
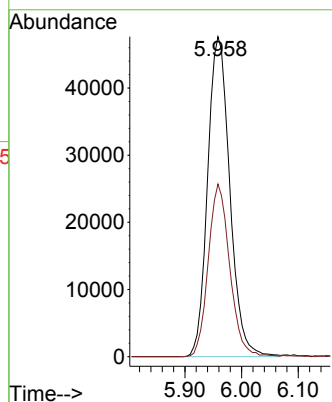
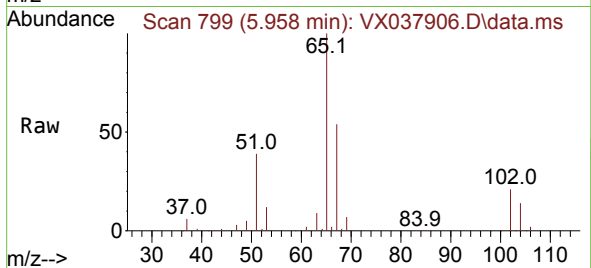
ClientSampleId :

Tgt Ion: 65 Resp: 129401

Ion Ratio Lower Upper

65 100

67 52.2 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: VX037906.D

Acq: 26 Sep 2023 13:57

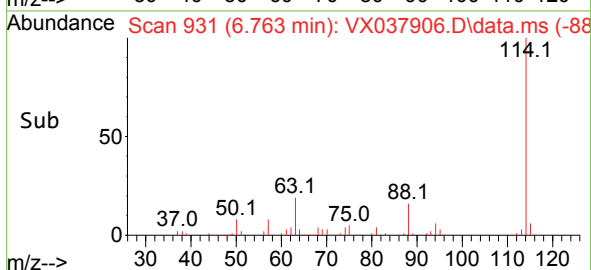
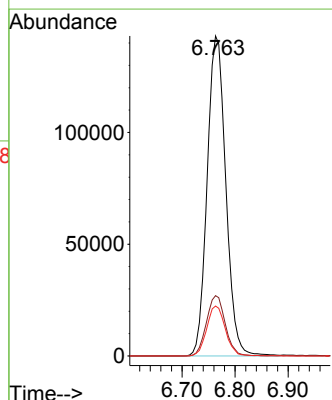
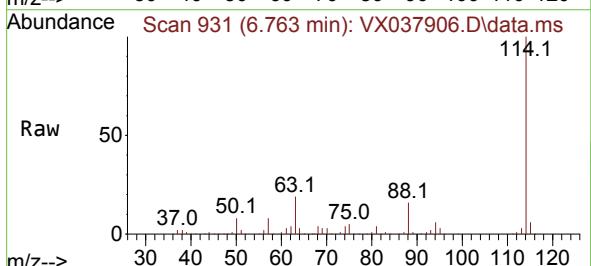
Tgt Ion: 114 Resp: 350047

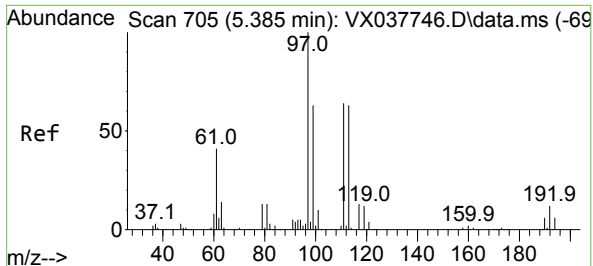
Ion Ratio Lower Upper

114 100

63 18.9 0.0 45.0

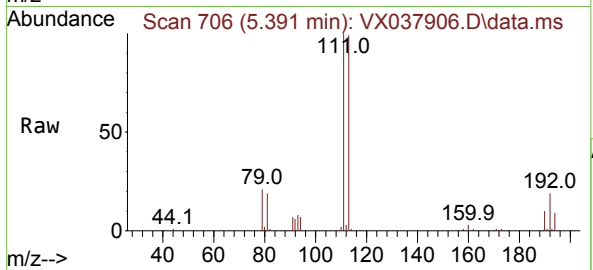
88 15.6 0.0 36.6



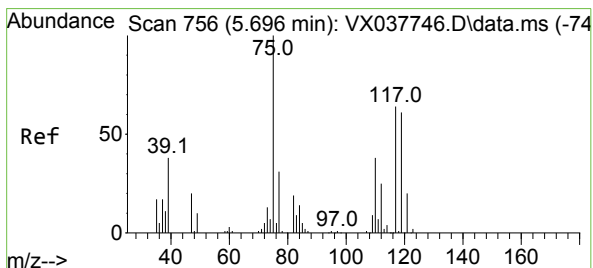
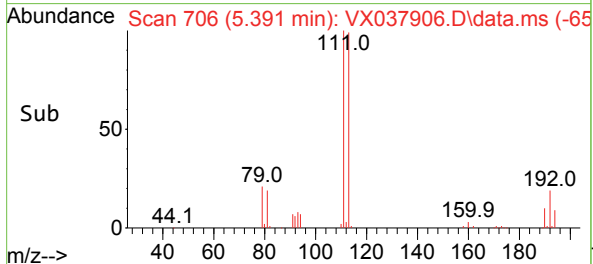
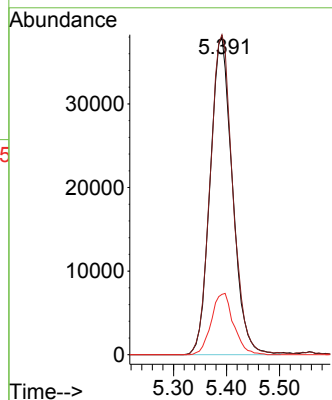


#35
Dibromofluoromethane
Concen: 47.302 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX037906.D
Acq: 26 Sep 2023 13:57

Instrument :
MSVOA_X
ClientSampleId :

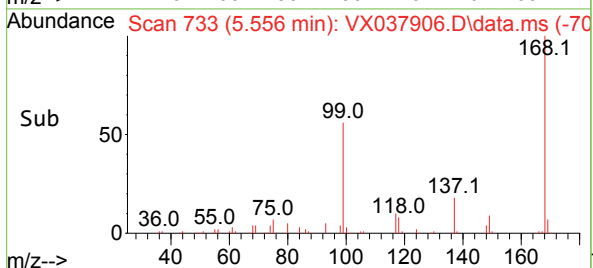
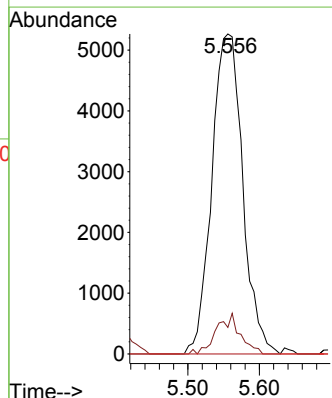
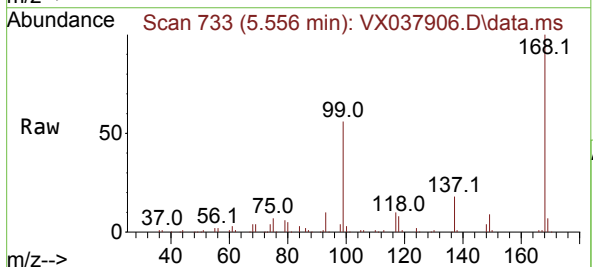


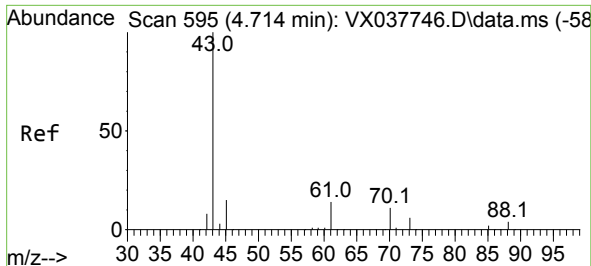
Tgt Ion:113 Resp: 110789
Ion Ratio Lower Upper
113 100
111 102.2 82.9 124.3
192 19.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.886 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX037906.D
Acq: 26 Sep 2023 13:57

Tgt Ion: 75 Resp: 15765
Ion Ratio Lower Upper
75 100
110 9.7 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.073 ug/l

RT: 4.733 min Scan# 598

Delta R.T. -0.000 min

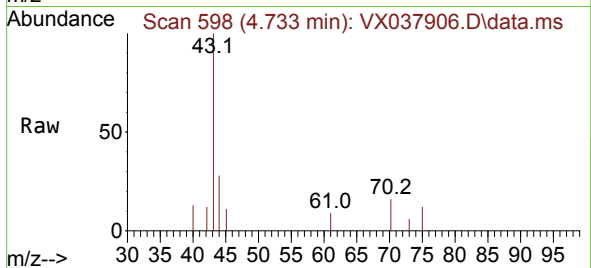
Lab File: VX037906.D

Acq: 26 Sep 2023 13:57

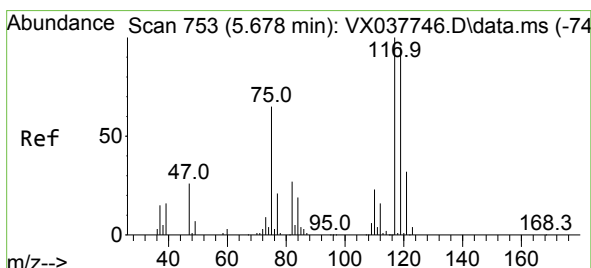
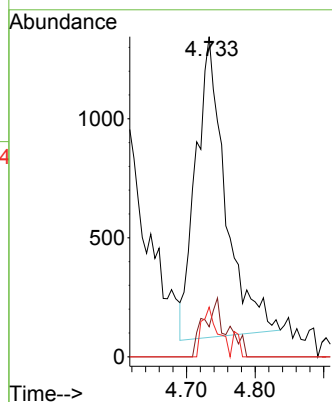
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 3807
Ion Ratio	Lower Upper
43	100
61	11.3 10.6 16.0
70	8.9 8.3 12.5



#38

Carbon Tetrachloride

Concen: 6.197 ug/l

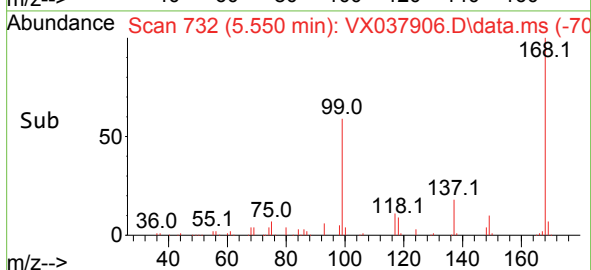
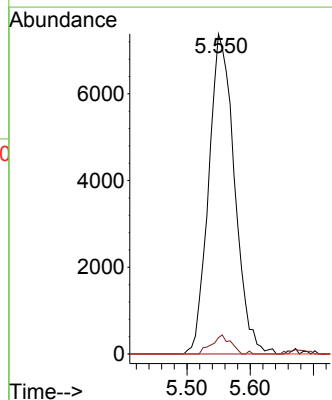
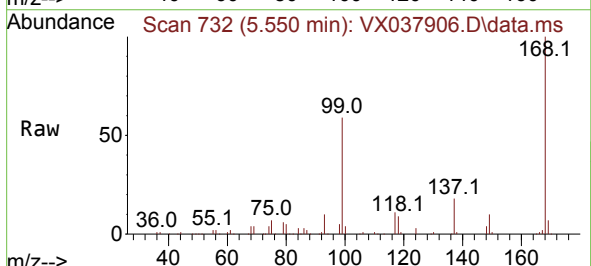
RT: 5.550 min Scan# 732

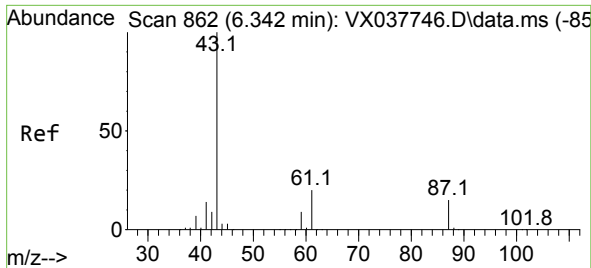
Delta R.T. -0.128 min

Lab File: VX037906.D

Acq: 26 Sep 2023 13:57

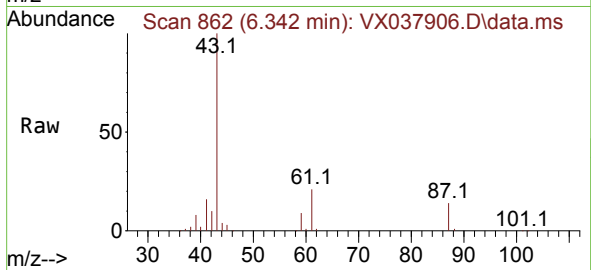
Tgt Ion: 117	Resp: 20919
Ion Ratio	Lower Upper
117	100
119	5.1 78.2 117.2#
121	0.0 24.4 36.6#



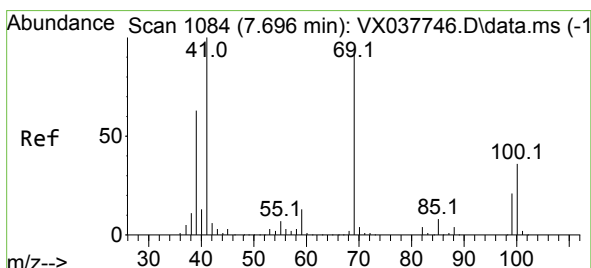
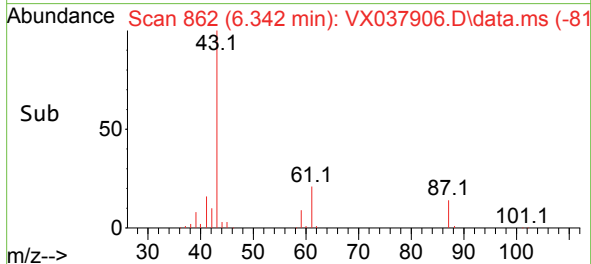
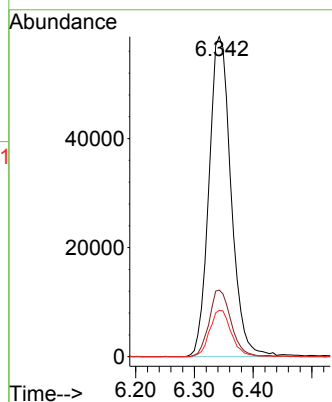


#43
Isopropyl Acetate
Concen: 27.063 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX037906.D
Acq: 26 Sep 2023 13:57

Instrument :
MSVOA_X
ClientSampleId :

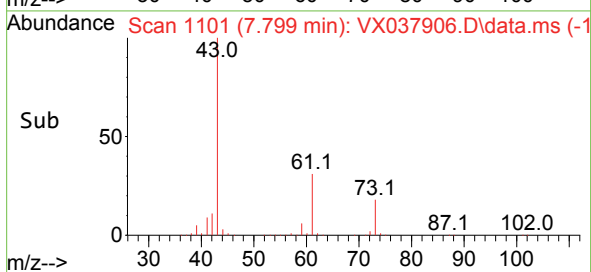
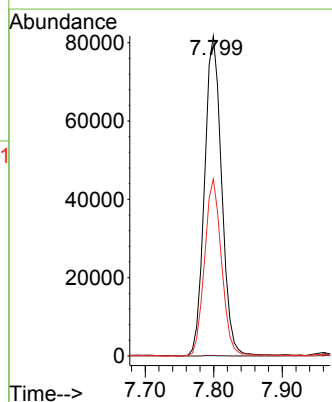
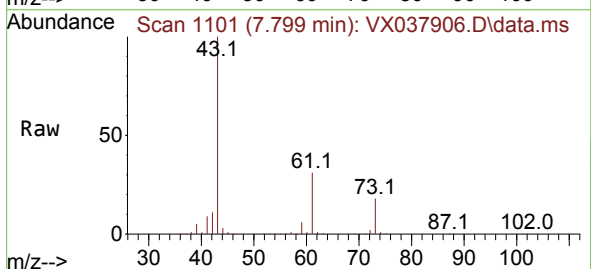


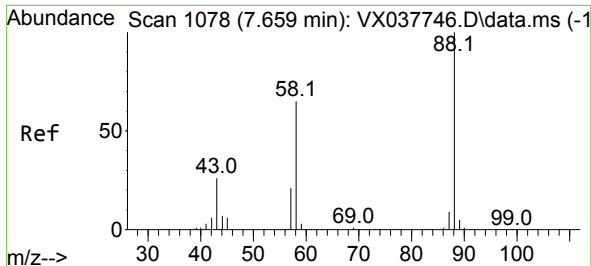
Tgt Ion: 43 Resp: 153495
Ion Ratio Lower Upper
43 100
61 20.6 15.2 22.8
87 14.3 9.8 14.6



#48
Methyl methacrylate
Concen: 52.503 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.097 min
Lab File: VX037906.D
Acq: 26 Sep 2023 13:57

Tgt Ion: 41 Resp: 142353
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 54.7 47.7 71.5





#49

1,4-Dioxane

Concen: 3.686 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.128 min

Lab File: VX037906.D

Acq: 26 Sep 2023 13:57

Instrument :

MSVOA_X

ClientSampleId :

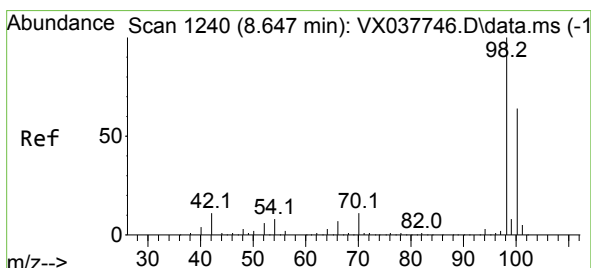
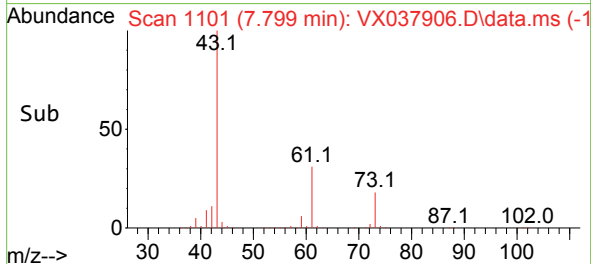
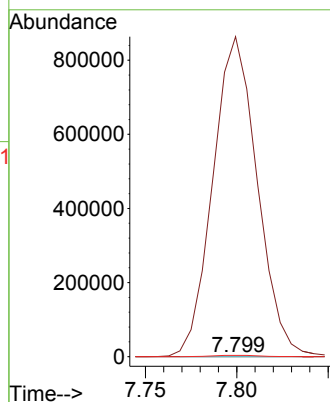
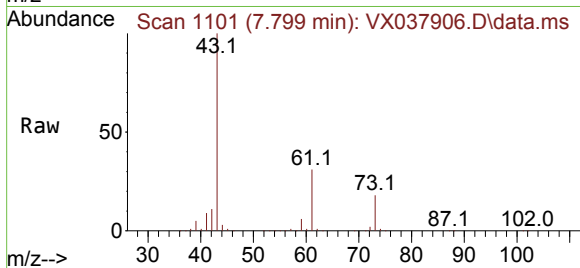
Tgt Ion: 88 Resp: 262

Ion Ratio Lower Upper

88 100

43 563785.1 0.0 0.0#

58 2683.6 60.1 90.1#



#50

Toluene-d8

Concen: 49.718 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.006 min

Lab File: VX037906.D

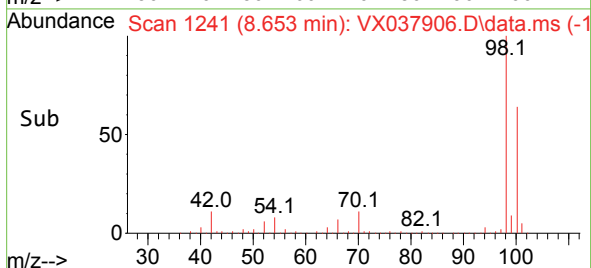
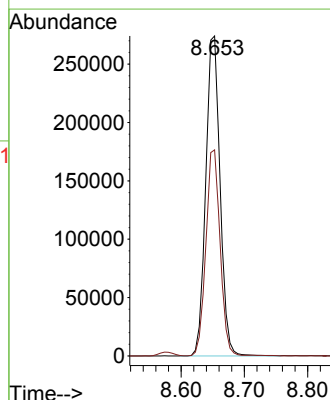
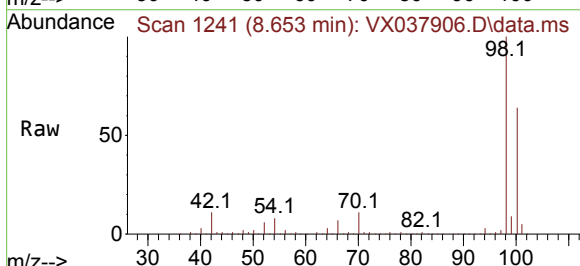
Acq: 26 Sep 2023 13:57

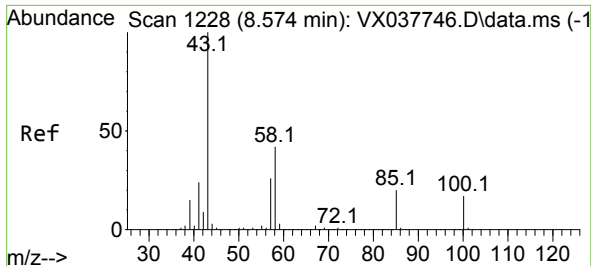
Tgt Ion: 98 Resp: 432682

Ion Ratio Lower Upper

98 100

100 64.1 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 40.194 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.024 min

Lab File: VX037906.D

Acq: 26 Sep 2023 13:57

Instrument :

MSVOA_X

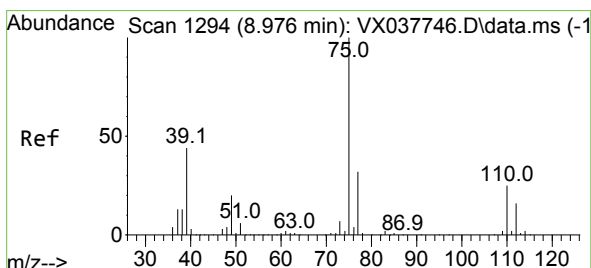
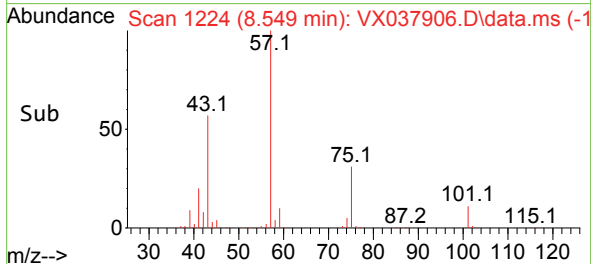
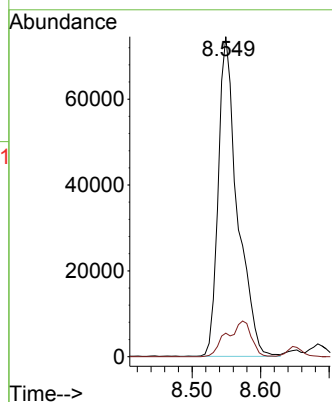
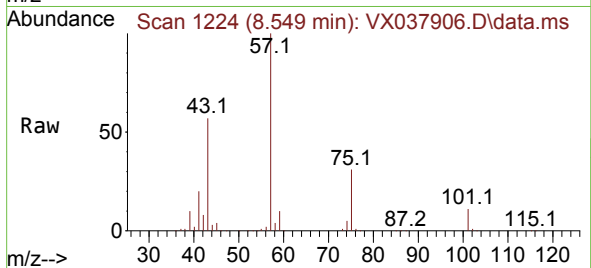
ClientSampleId :

Tgt Ion: 43 Resp: 144639

Ion Ratio Lower Upper

43 100

58 0.0 30.4 45.6#



#53

t-1,3-Dichloropropene

Concen: 0.405 ug/l

RT: 8.958 min Scan# 1291

Delta R.T. -0.031 min

Lab File: VX037906.D

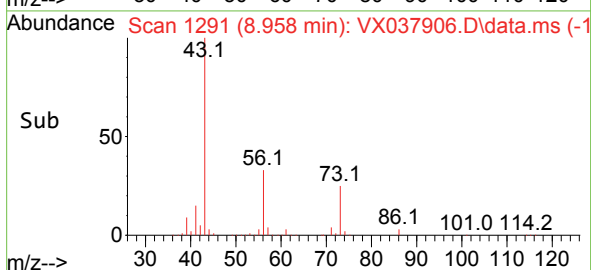
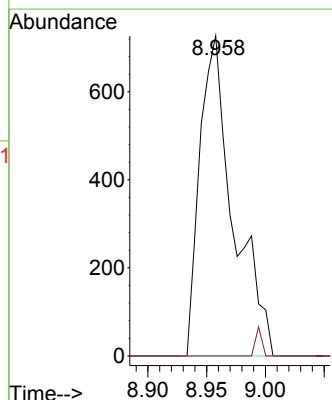
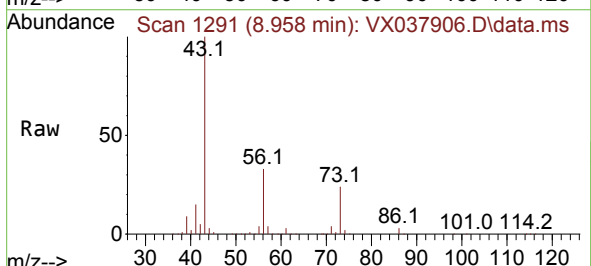
Acq: 26 Sep 2023 13:57

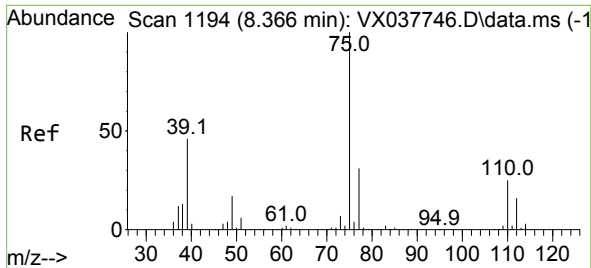
Tgt Ion: 75 Resp: 1444

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#

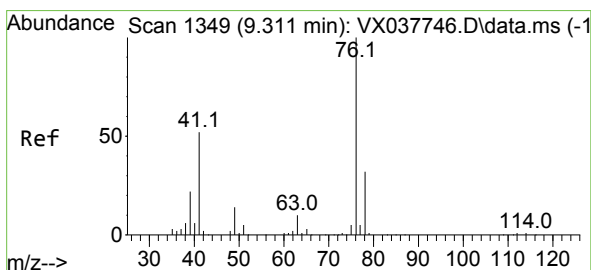
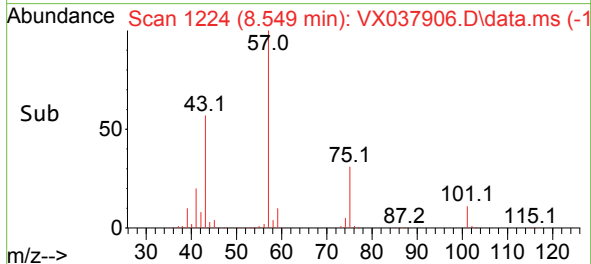
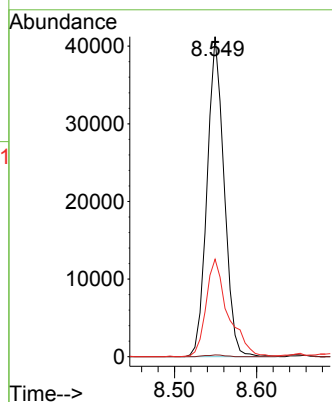
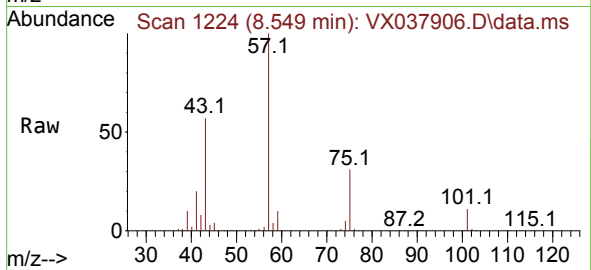




#54
 cis-1,3-Dichloropropene
 Concen: 15.001 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.177 min
 Lab File: VX037906.D
 Acq: 26 Sep 2023 13:57

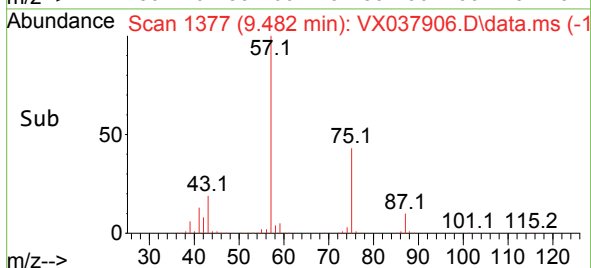
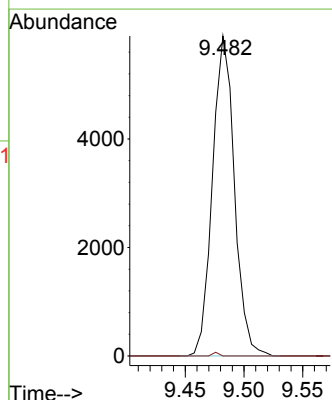
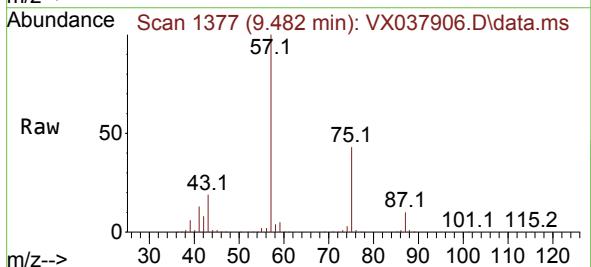
Instrument :
 MSVOA_X
 ClientSampleId :

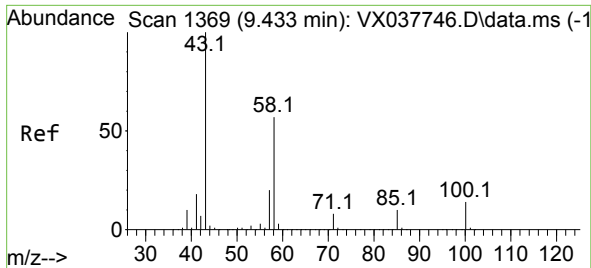
Tgt Ion: 75 Resp: 59257
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 30.5 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.760 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX037906.D
 Acq: 26 Sep 2023 13:57

Tgt Ion: 76 Resp: 7680
 Ion Ratio Lower Upper
 76 100
 78 0.3 26.1 39.1#

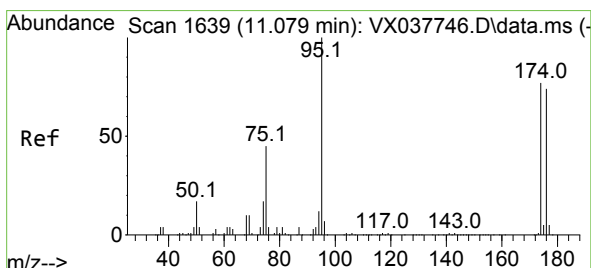
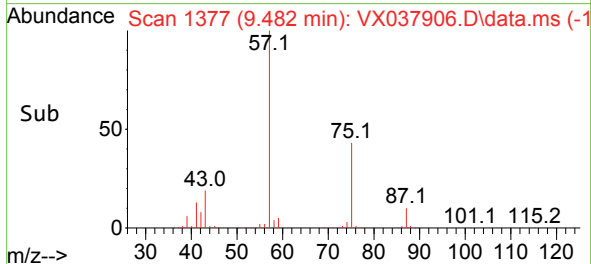
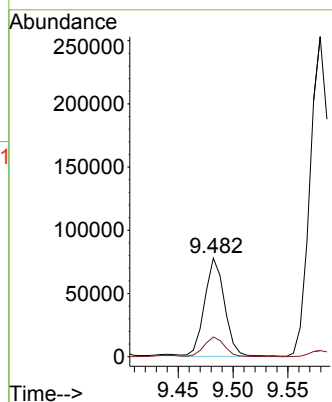
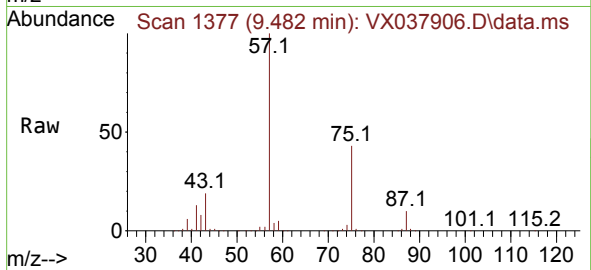




#59
2-Hexanone
Concen: 35.134 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX037906.D
Acq: 26 Sep 2023 13:57

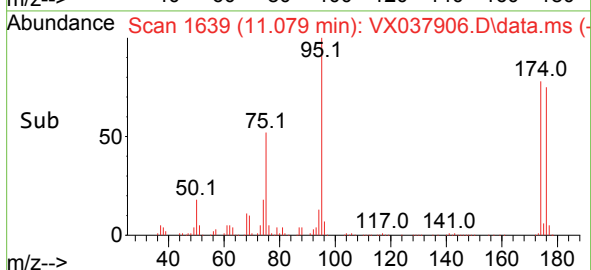
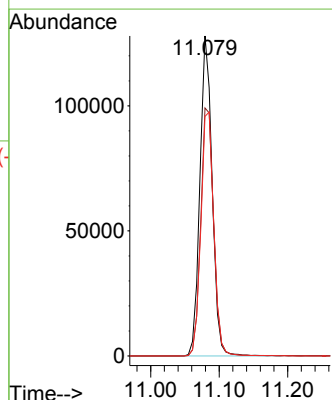
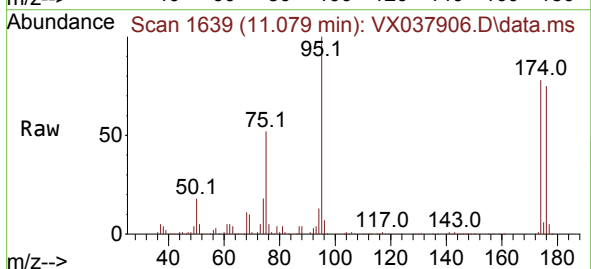
Instrument :
MSVOA_X
ClientSampleId :

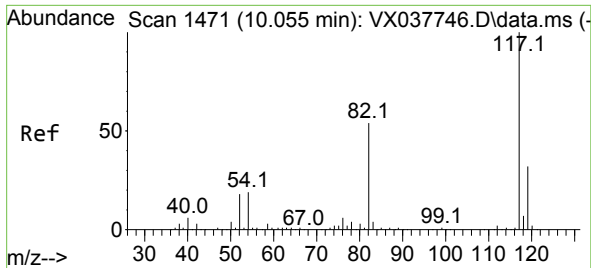
Tgt Ion: 43 Resp: 98439
Ion Ratio Lower Upper
43 100
58 20.6 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 50.371 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037906.D
Acq: 26 Sep 2023 13:57

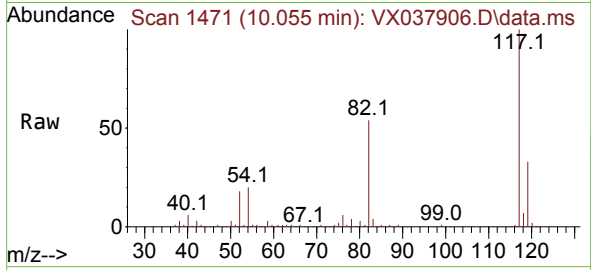
Tgt Ion: 95 Resp: 159292
Ion Ratio Lower Upper
95 100
174 81.9 0.0 135.6
176 80.6 0.0 131.0



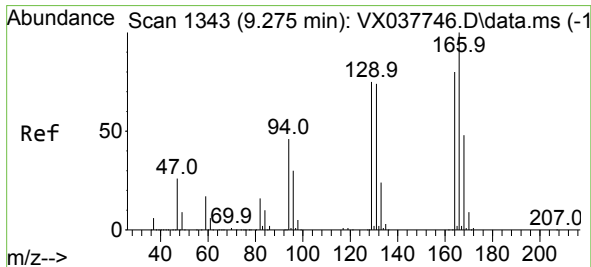
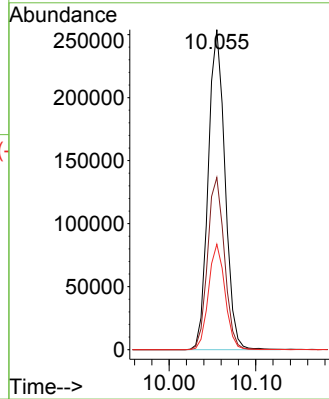
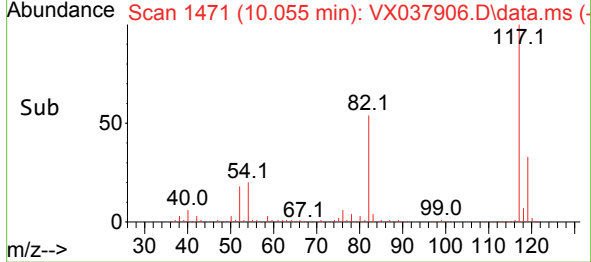


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037906.D
Acq: 26 Sep 2023 13:57

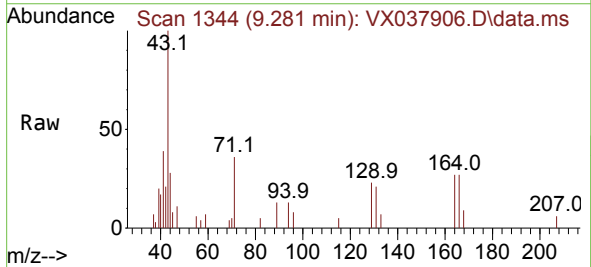
Instrument :
MSVOA_X
ClientSampleId :



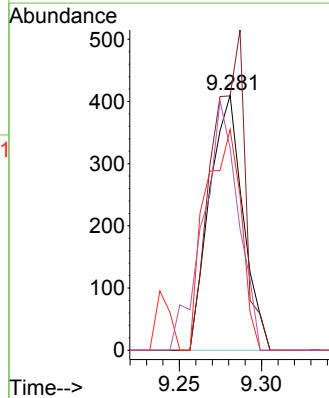
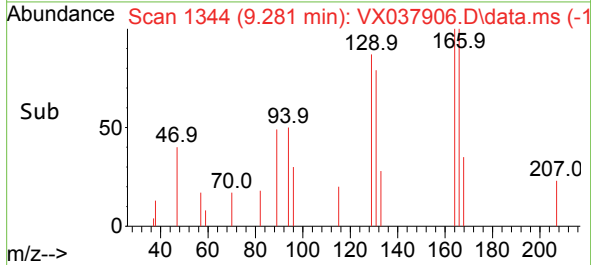
Tgt Ion:117 Resp: 340991
Ion Ratio Lower Upper
117 100
82 53.8 46.2 69.4
119 32.9 25.5 38.3

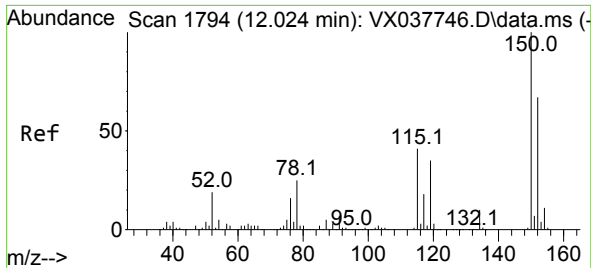


#64
Tetrachloroethene
Concen: 0.250 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX037906.D
Acq: 26 Sep 2023 13:57



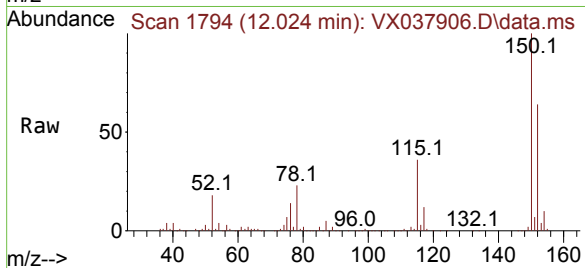
Tgt Ion:164 Resp: 581
Ion Ratio Lower Upper
164 100
166 99.8 102.7 154.1#
129 86.6 80.4 120.6
131 79.3 76.5 114.7



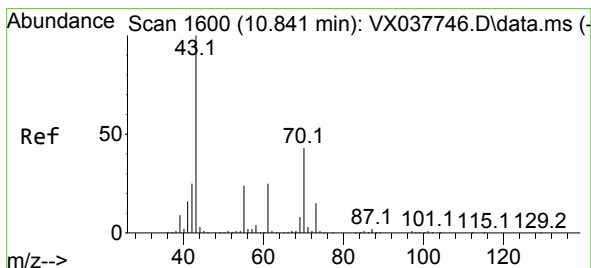
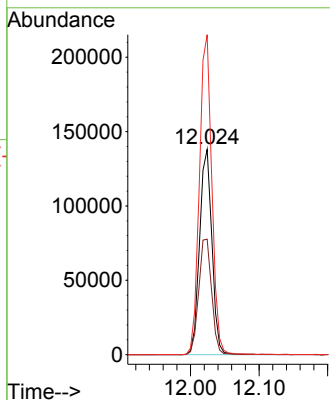
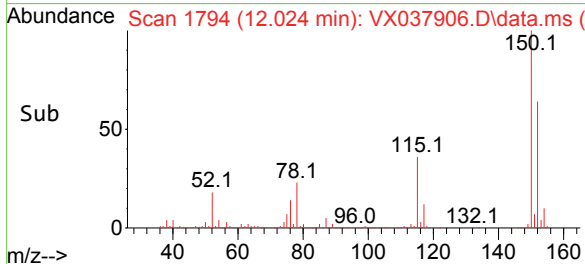


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX037906.D
 Acq: 26 Sep 2023 13:57

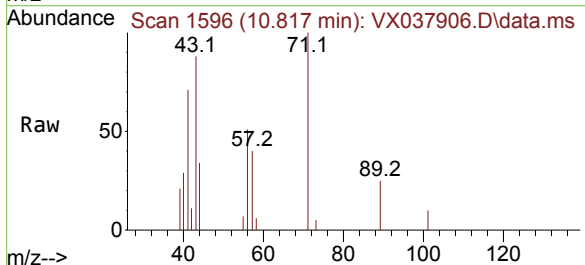
Instrument :
 MSVOA_X
 ClientSampleId :



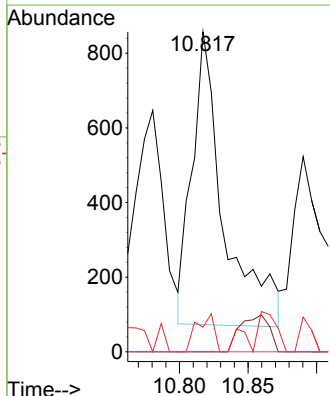
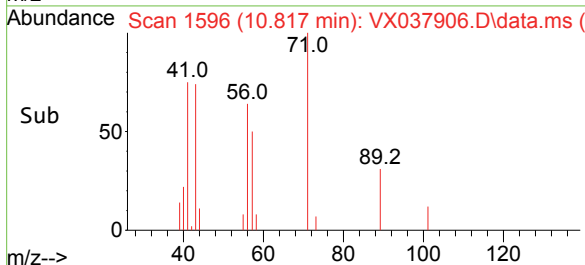
Tgt Ion:152 Resp: 173650
 Ion Ratio Lower Upper
 152 100
 115 59.0 43.3 129.9
 150 156.5 0.0 345.0

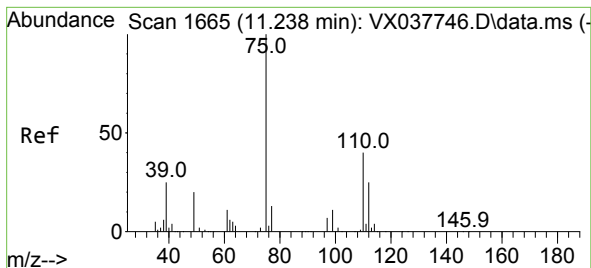


#74
 N-ethyl acetate
 Concen: 0.246 ug/l
 RT: 10.817 min Scan# 1596
 Delta R.T. -0.031 min
 Lab File: VX037906.D
 Acq: 26 Sep 2023 13:57



Tgt Ion: 43 Resp: 1268
 Ion Ratio Lower Upper
 43 100
 70 0.0 32.9 49.3#
 55 7.2 19.3 28.9#
 61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 20.132 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037906.D

Acq: 26 Sep 2023 13:57

Instrument :

MSVOA_X

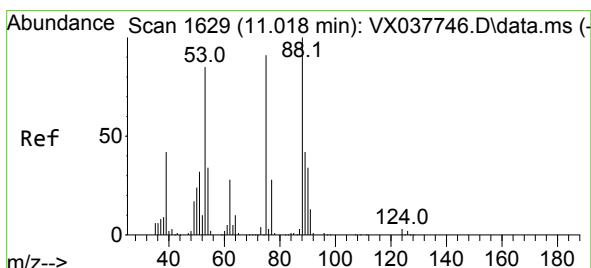
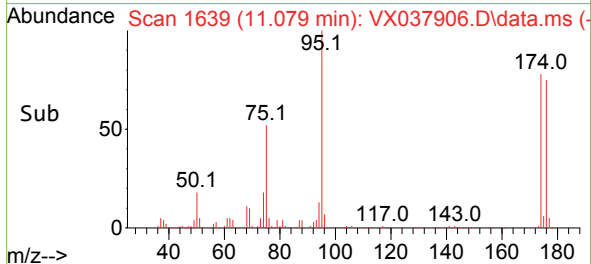
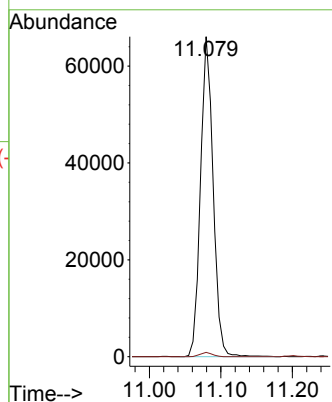
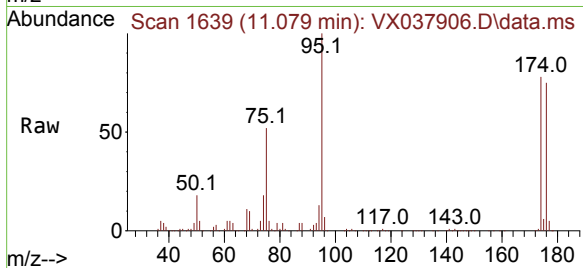
ClientSampleId :

Tgt Ion: 75 Resp: 80856

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.489 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037906.D

Acq: 26 Sep 2023 13:57

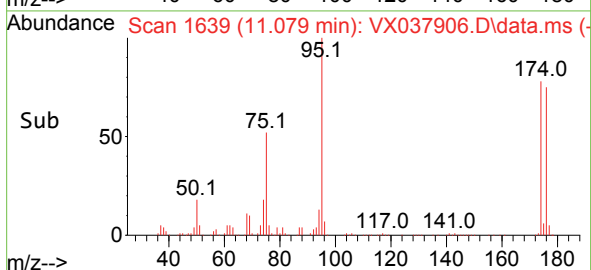
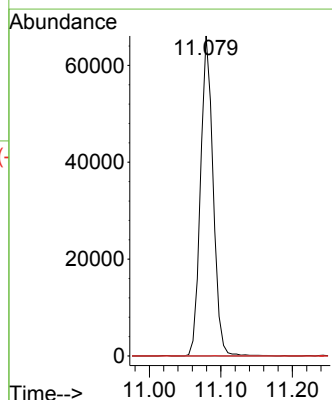
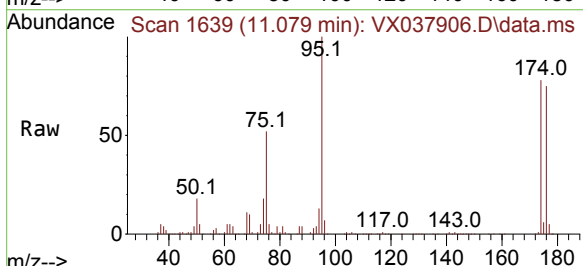
Tgt Ion: 75 Resp: 80856

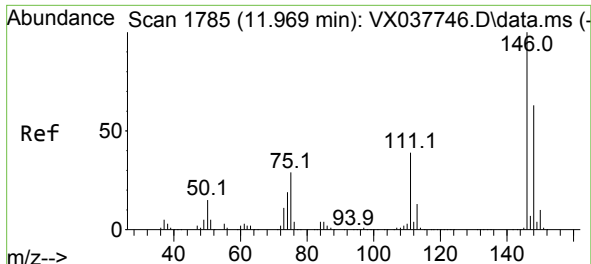
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#87

1,3-Dichlorobenzene

Concen: 0.234 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX037906.D

Acq: 26 Sep 2023 13:57

Instrument :

MSVOA_X

ClientSampleId :

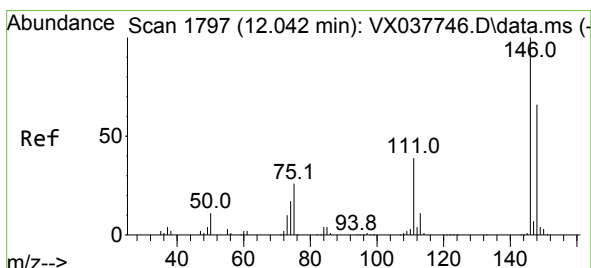
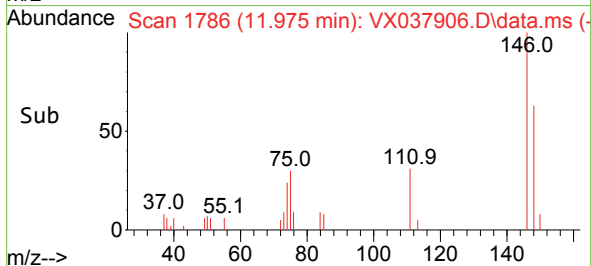
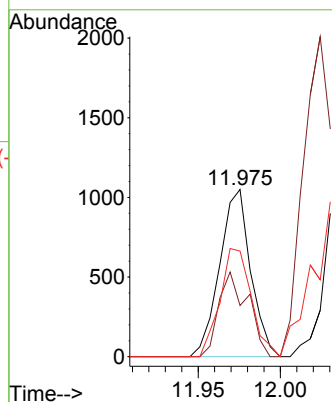
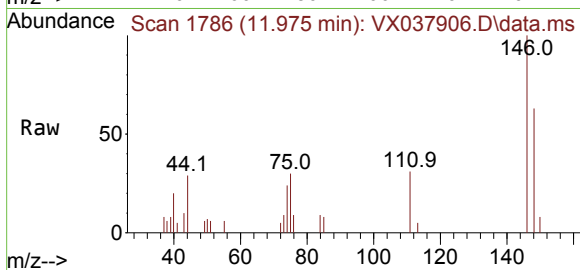
Tgt Ion:146 Resp: 1378

Ion Ratio Lower Upper

146 100

111 47.5 22.1 66.1

148 65.2 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.229 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. -0.067 min

Lab File: VX037906.D

Acq: 26 Sep 2023 13:57

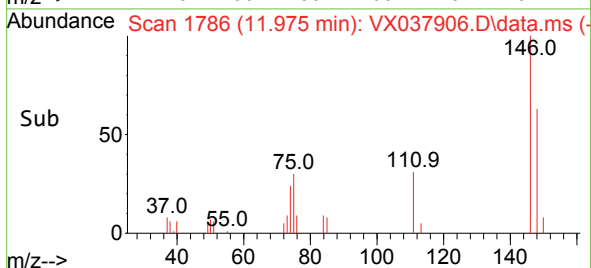
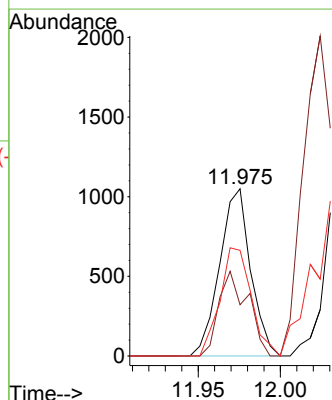
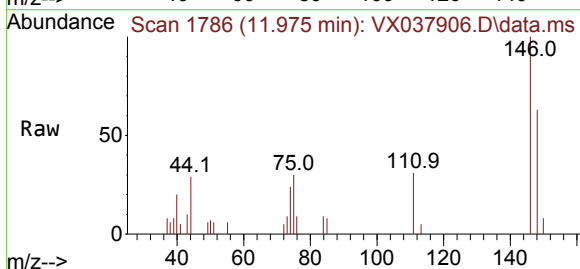
Tgt Ion:146 Resp: 1378

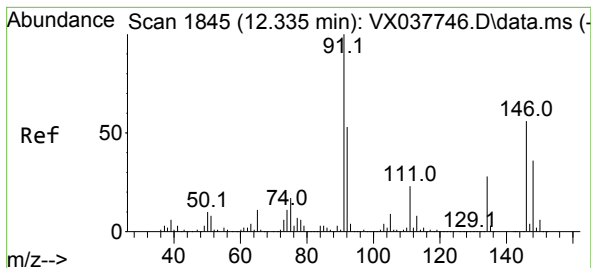
Ion Ratio Lower Upper

146 100

111 47.5 21.3 63.7

148 65.2 31.8 95.4





#91

1,2-Dichlorobenzene

Concen: 0.206 ug/l

RT: 12.341 min Scan# 1846

Delta R.T. 0.006 min

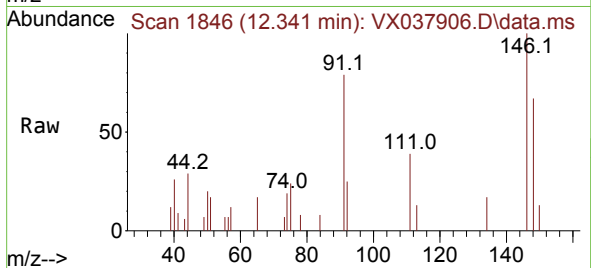
Lab File: VX037906.D

Acq: 26 Sep 2023 13:57

Instrument :

MSVOA_X

ClientSampleId :



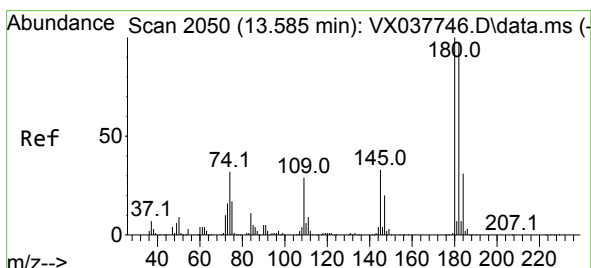
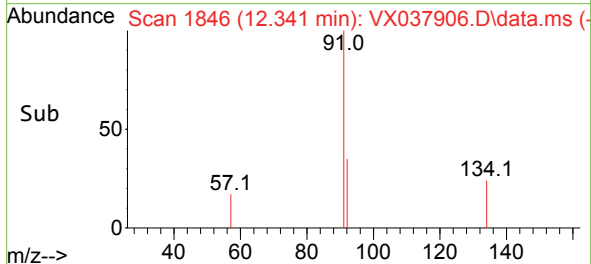
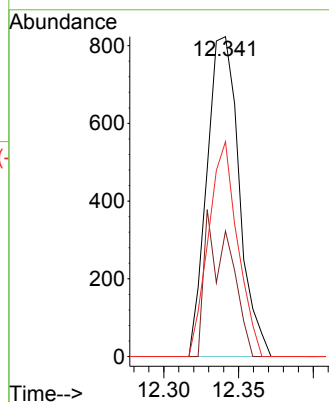
Tgt Ion:146 Resp: 1235

Ion Ratio Lower Upper

146 100

111 35.6 22.4 67.0

148 60.8 31.6 95.0



#93

1,2,4-Trichlorobenzene

Concen: 0.335 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.006 min

Lab File: VX037906.D

Acq: 26 Sep 2023 13:57

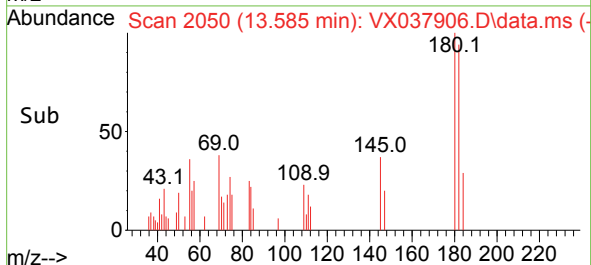
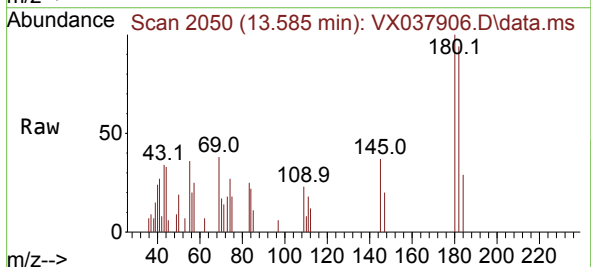
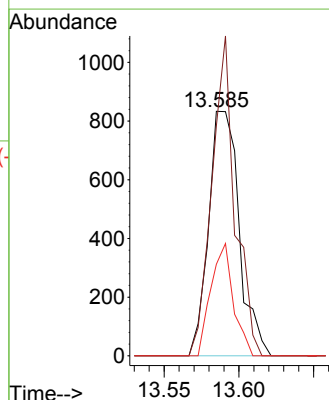
Tgt Ion:180 Resp: 1185

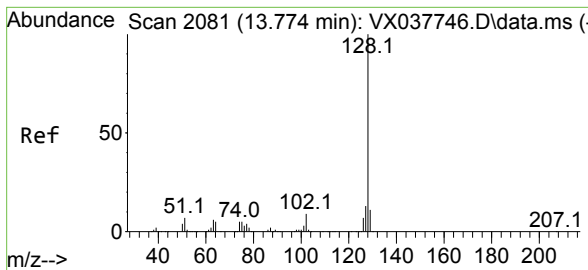
Ion Ratio Lower Upper

180 100

182 99.2 48.3 144.8

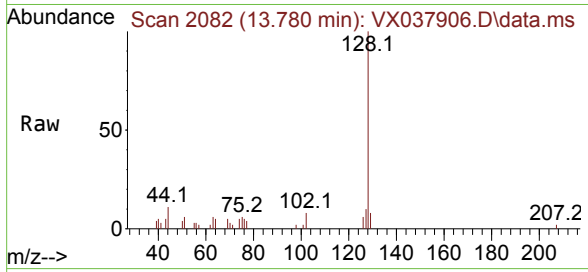
145 33.7 18.0 54.0





#95
 Naphthalene
 Concen: 0.331 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. -0.000 min
 Lab File: VX037906.D
 Acq: 26 Sep 2023 13:57

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	128	Resp:	3952
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.3	15.5
129	9.3	8.8	13.2

