

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081823\
 Data File : VX037086.D
 Acq On : 18 Aug 2023 15:55
 Operator : JC/MD
 Sample : 04024-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 19 05:19:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

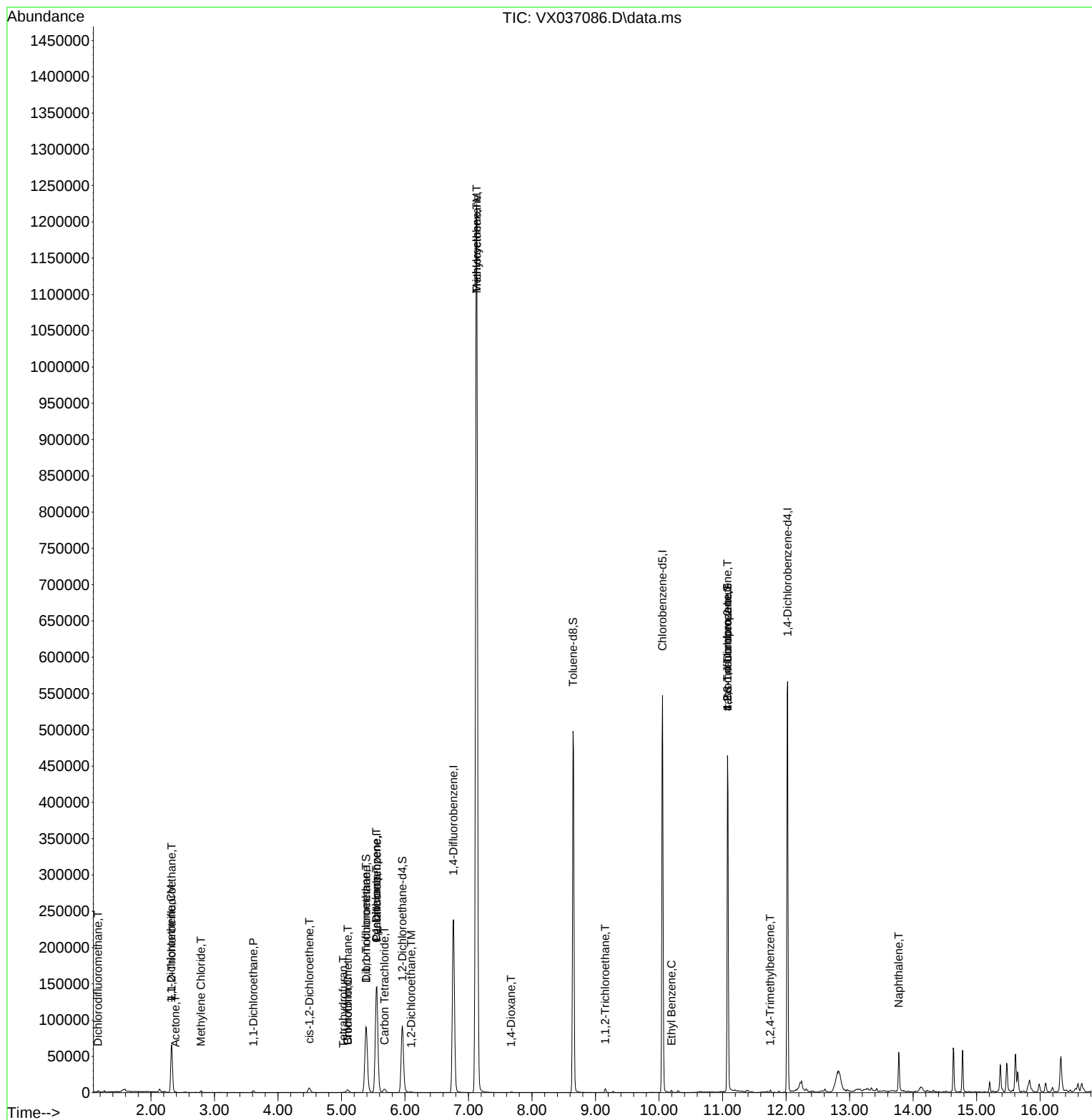
Internal Standards						
1) Pentafluorobenzene	5.556	168	136281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	251647	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	247838	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	117239	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	92627	47.145	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.280%		
35) Dibromofluoromethane	5.385	113	78649	47.191	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.380%		
50) Toluene-d8	8.647	98	302995	50.120	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.240%		
62) 4-Bromofluorobenzene	11.079	95	127162	53.525	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.040%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	1183	0.747	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	18578	12.896	ug/l	98
12) 1,1-Dichloroethene	2.318	96	9383	6.688	ug/l	81
16) Acetone	2.386	43	823	1.071	ug/l #	81
20) Methylene Chloride	2.788	84	1086	0.632	ug/l #	82
24) 1,1-Dichloroethane	3.611	63	2740	0.981	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	4081	2.171	ug/l	84
28) Bromochloromethane	5.098	49	310	0.248	ug/l #	16
29) Tetrahydrofuran	5.025	42	281	0.381	ug/l #	34
30) Chloroform	5.098	83	4745	1.513	ug/l	93
31) Cyclohexane	5.550	56	2692	1.219	ug/l #	1
32) 1,1,1-Trichloroethane	5.385	97	1317	0.469	ug/l #	37
36) 1,1-Dichloropropene	5.550	75	10844	4.580	ug/l #	52
38) Carbon Tetrachloride	5.678	117	4162	1.618	ug/l	94
39) Methylcyclohexane	7.129	83	6047	2.431	ug/l #	1
42) 1,2-Dichloroethane	6.098	62	832	0.312	ug/l #	77
44) Trichloroethene	7.129	130	493063	256.061	ug/l	97
49) 1,4-Dioxane	7.671	88	724	14.355	ug/l #	87
55) 1,1,2-Trichloroethane	9.153	97	1668	0.913	ug/l	89
67) Ethyl Benzene	10.195	91	1863	0.202	ug/l #	88
76) 1,2,3-Trichloropropane	11.079	75	65029	26.045	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	65029	72.745	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.750	105	1697	0.236	ug/l	99
95) Naphthalene	13.774	128	36925	3.776	ug/l	99

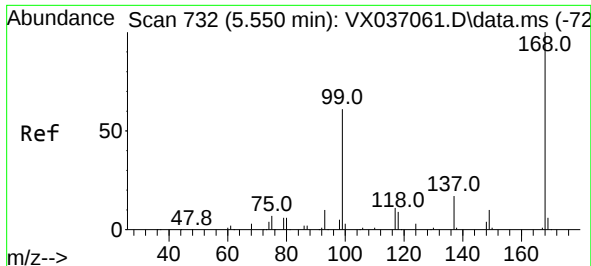
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration

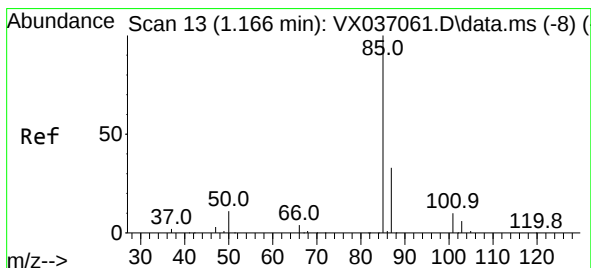
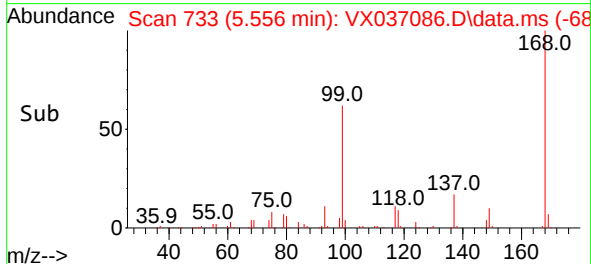
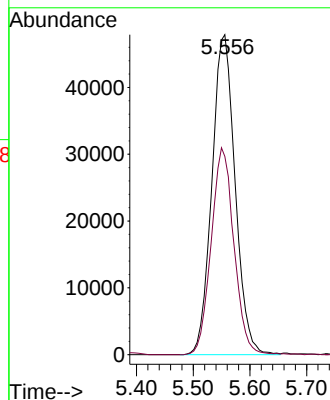
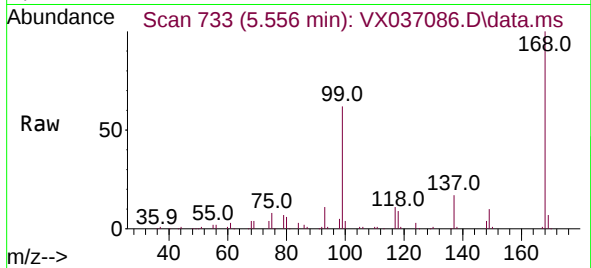




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037086.D
Acq: 18 Aug 2023 15:55

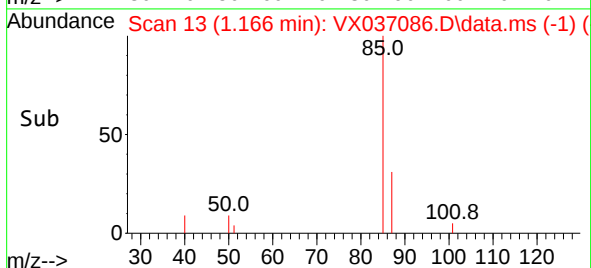
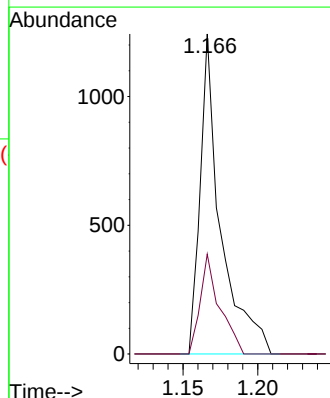
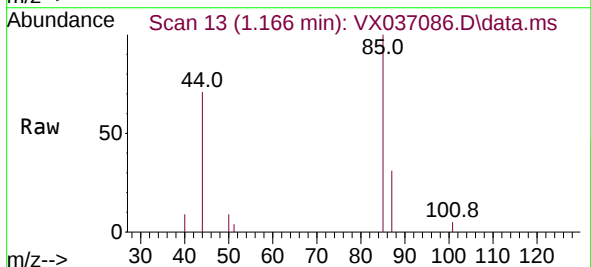
Instrument :
MSVOA_X
ClientSampleId :

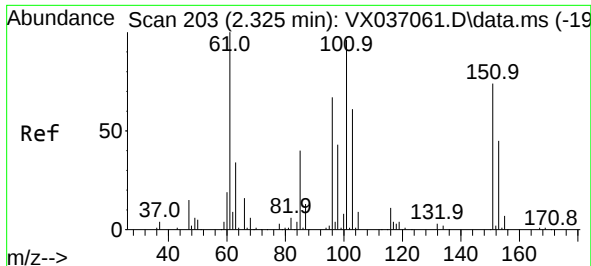
Tgt Ion:168 Resp: 136281
Ion Ratio Lower Upper
168 100
99 61.9 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.747 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX037086.D
Acq: 18 Aug 2023 15:55

Tgt Ion: 85 Resp: 1183
Ion Ratio Lower Upper
85 100
87 31.2 16.7 50.1

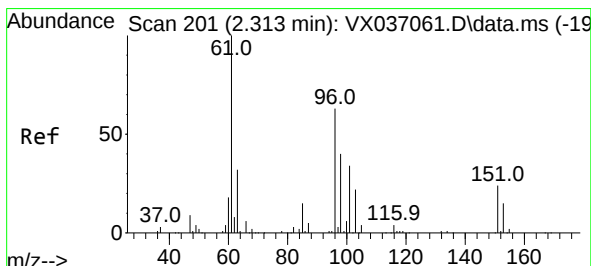
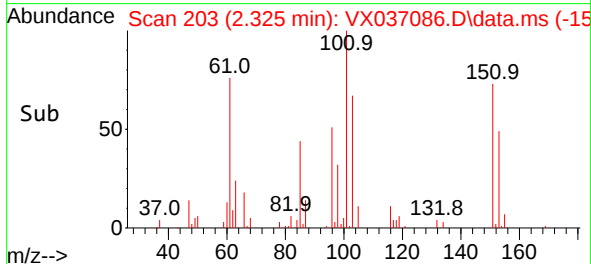
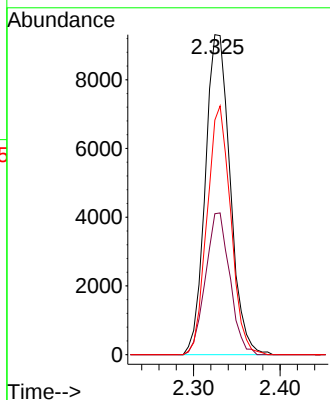
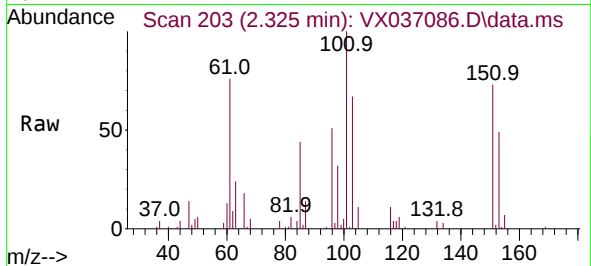




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 12.896 ug/l
 RT: 2.325 min Scan# 203
 Delta R.T. -0.000 min
 Lab File: VX037086.D
 Acq: 18 Aug 2023 15:55

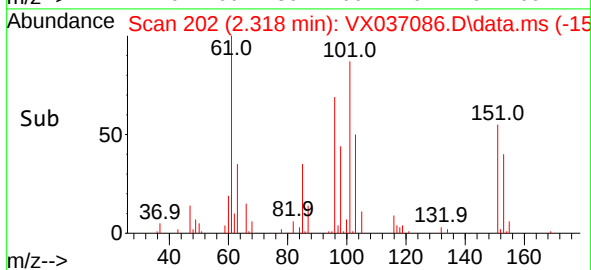
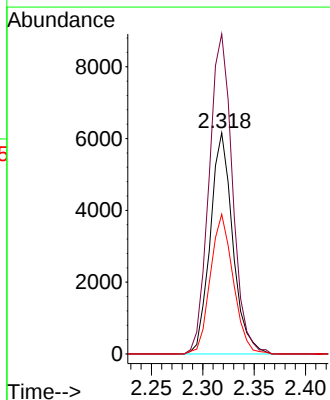
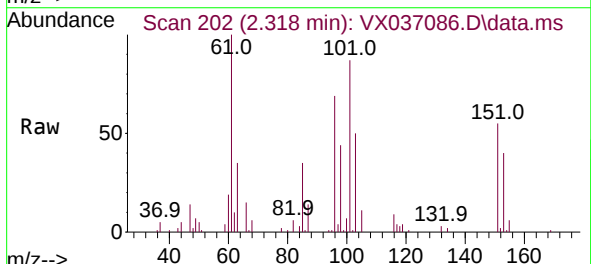
Instrument :
 MSVOA_X
 ClientSampleId :

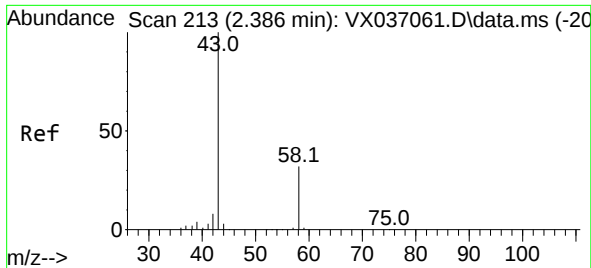
Tgt Ion:101 Resp: 18578
 Ion Ratio Lower Upper
 101 100
 85 43.2 37.0 55.6
 151 74.0 58.6 87.8



#12
 1,1-Dichloroethene
 Concen: 6.688 ug/l
 RT: 2.318 min Scan# 202
 Delta R.T. 0.006 min
 Lab File: VX037086.D
 Acq: 18 Aug 2023 15:55

Tgt Ion: 96 Resp: 9383
 Ion Ratio Lower Upper
 96 100
 61 144.8 144.6 216.8
 98 63.2 50.4 75.6

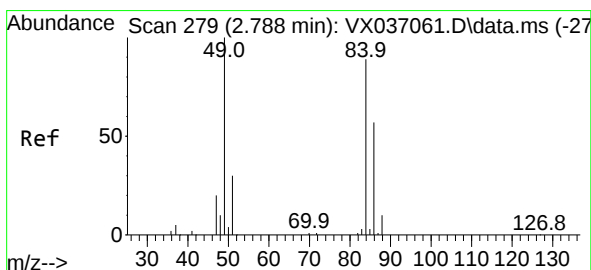
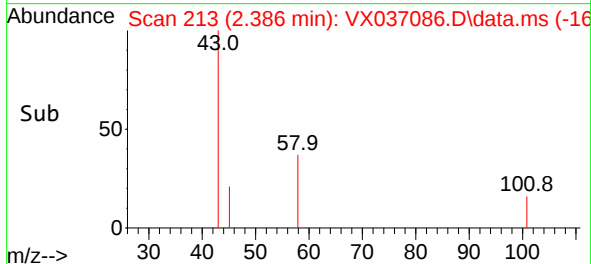
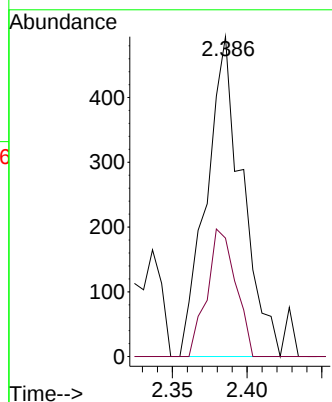
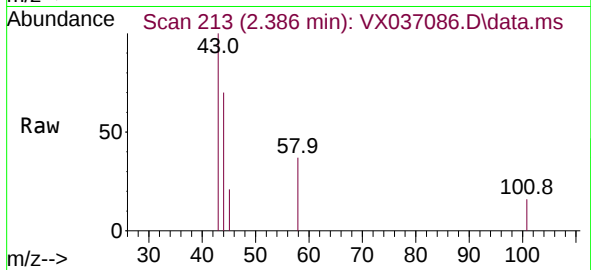




#16
Acetone
Concen: 1.071 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX037086.D
Acq: 18 Aug 2023 15:55

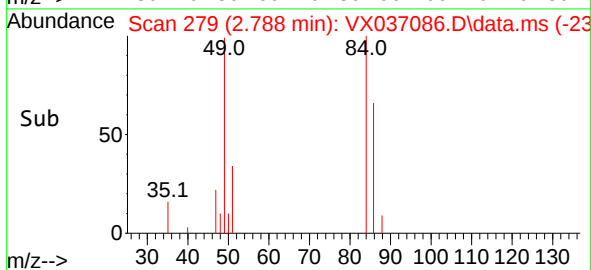
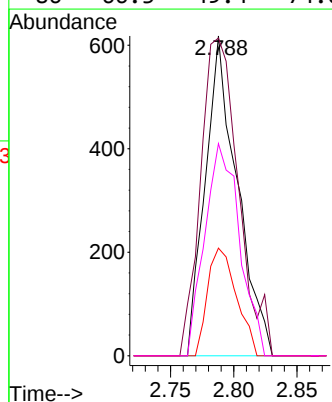
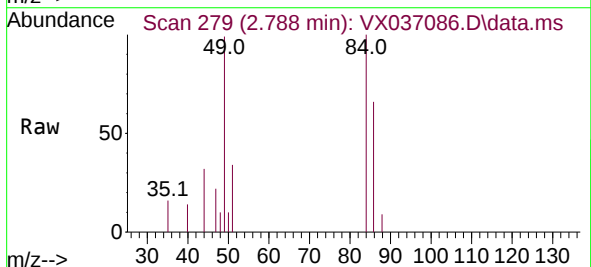
Instrument :
MSVOA_X
ClientSampleId :

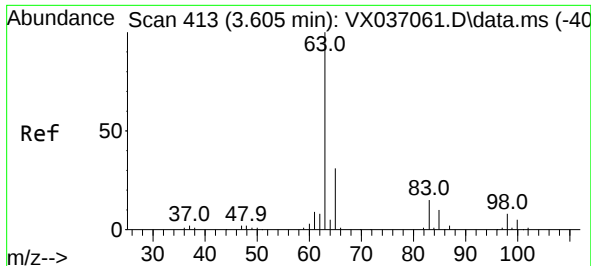
Tgt Ion: 43 Resp: 823
Ion Ratio Lower Upper
43 100
58 37.0 21.9 32.9#



#20
Methylene Chloride
Concen: 0.632 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX037086.D
Acq: 18 Aug 2023 15:55

Tgt Ion: 84 Resp: 1086
Ion Ratio Lower Upper
84 100
49 99.4 103.6 155.4#
51 33.7 33.8 50.6#
86 66.3 49.4 74.0





#24

1,1-Dichloroethane

Concen: 0.981 ug/l

RT: 3.611 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX037086.D

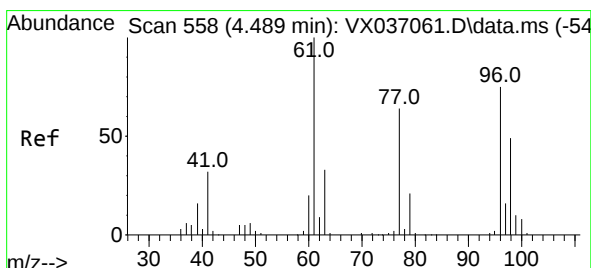
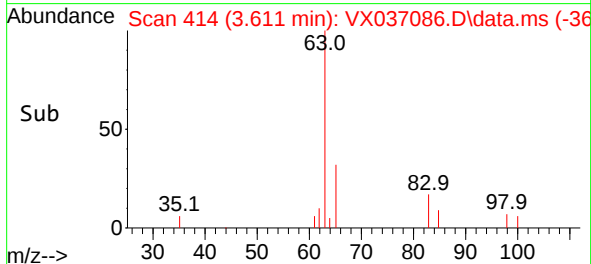
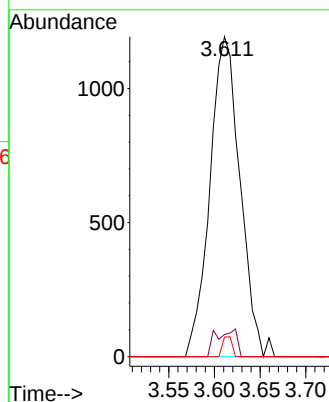
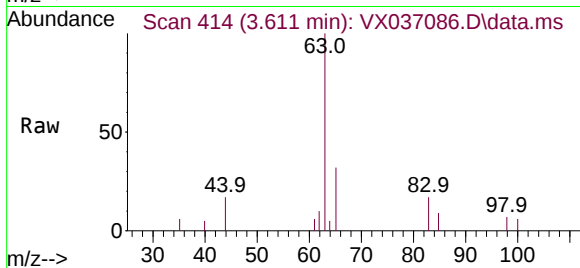
Acq: 18 Aug 2023 15:55

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 63	Resp: 2740
Ion Ratio	Lower Upper
63 100	
98 7.0	3.3 9.8
100 6.1	2.1 6.5



#27

cis-1,2-Dichloroethene

Concen: 2.171 ug/l

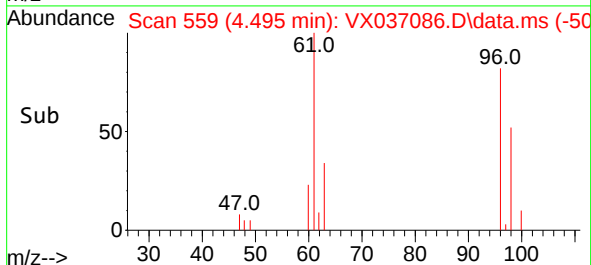
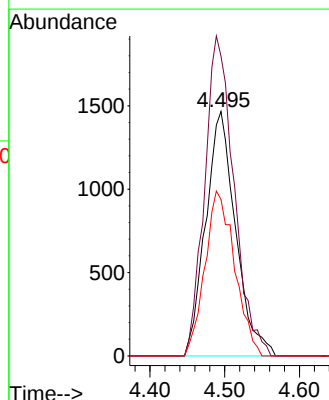
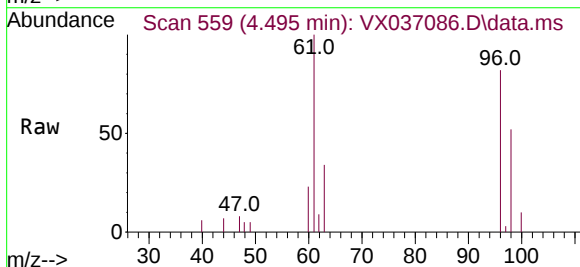
RT: 4.495 min Scan# 559

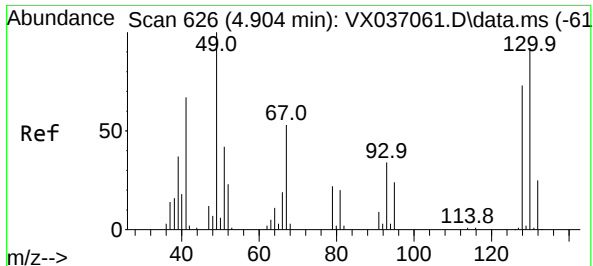
Delta R.T. 0.006 min

Lab File: VX037086.D

Acq: 18 Aug 2023 15:55

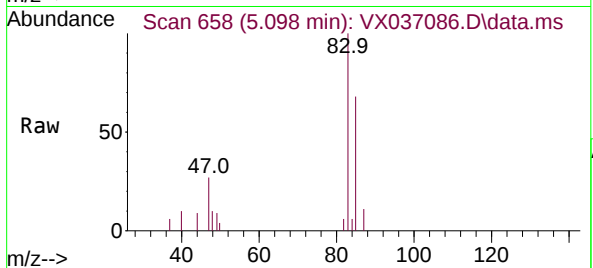
Tgt Ion: 96	Resp: 4081
Ion Ratio	Lower Upper
96 100	
61 127.6	0.0 312.2
98 66.8	0.0 129.0



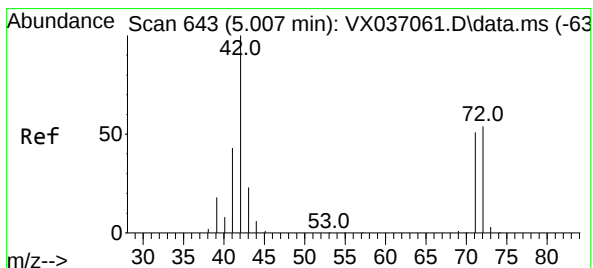
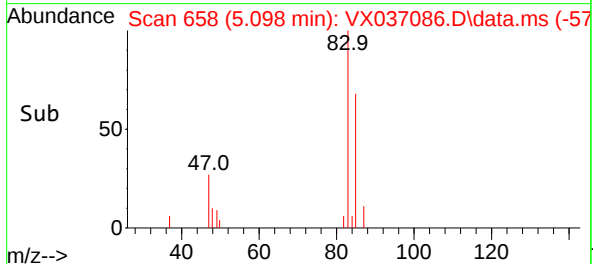
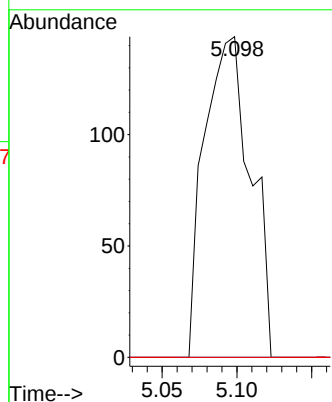


#28
Bromochloromethane
Concen: 0.248 ug/l
RT: 5.098 min Scan# 61
Delta R.T. 0.195 min
Lab File: VX037086.D
Acq: 18 Aug 2023 15:55

Instrument :
MSVOA_X
ClientSampleId :

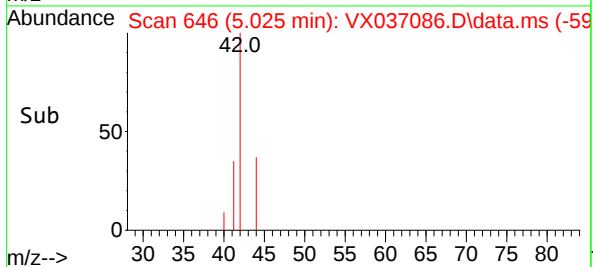
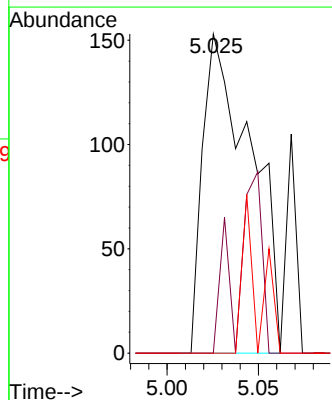
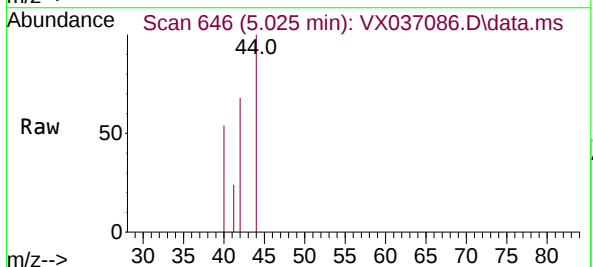


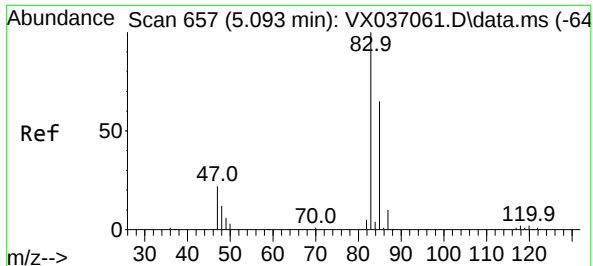
Tgt Ion: 49 Resp: 310
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#



#29
Tetrahydrofuran
Concen: 0.381 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.018 min
Lab File: VX037086.D
Acq: 18 Aug 2023 15:55

Tgt Ion: 42 Resp: 281
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 32.2 48.2#





#30

Chloroform

Concen: 1.513 ug/l

RT: 5.098 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX037086.D

Acq: 18 Aug 2023 15:55

Instrument :

MSVOA_X

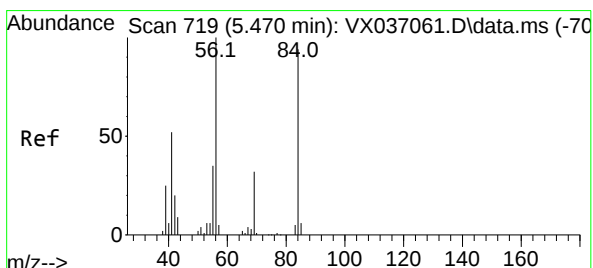
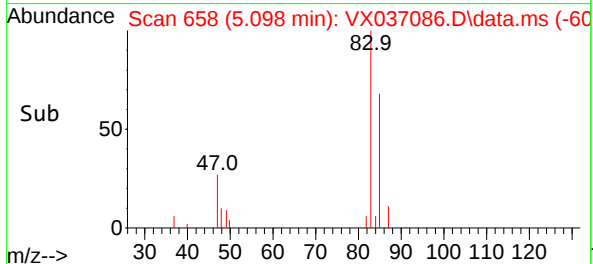
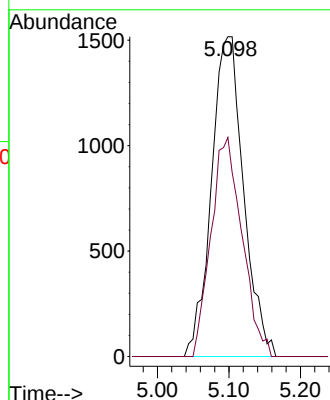
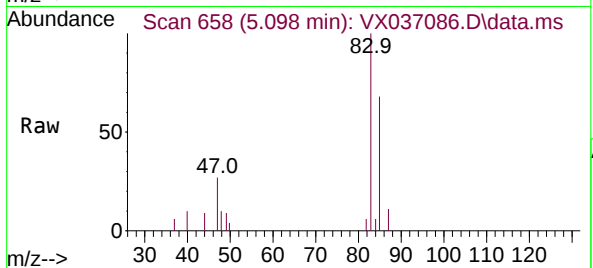
ClientSampleId :

Tgt Ion: 83 Resp: 4745

Ion Ratio Lower Upper

83 100

85 68.5 50.3 75.5



#31

Cyclohexane

Concen: 1.219 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX037086.D

Acq: 18 Aug 2023 15:55

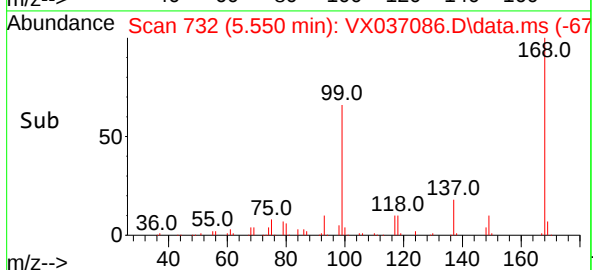
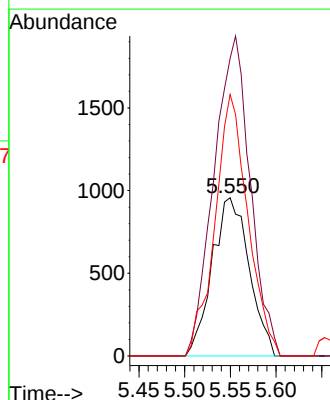
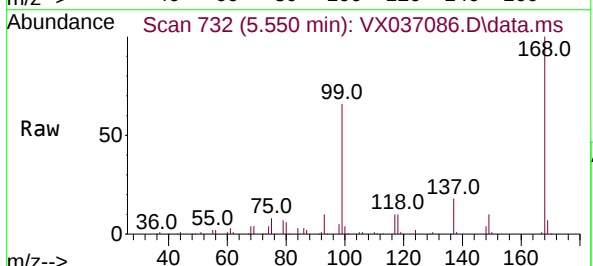
Tgt Ion: 56 Resp: 2692

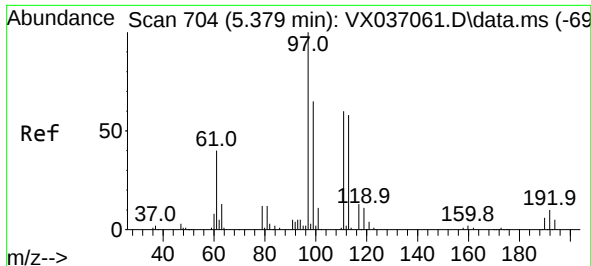
Ion Ratio Lower Upper

56 100

69 188.1 23.4 35.2#

84 165.2 65.9 98.9#





#32

1,1,1-Trichloroethane

Concen: 0.469 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX037086.D

Acq: 18 Aug 2023 15:55

Instrument :

MSVOA_X

ClientSampleId :

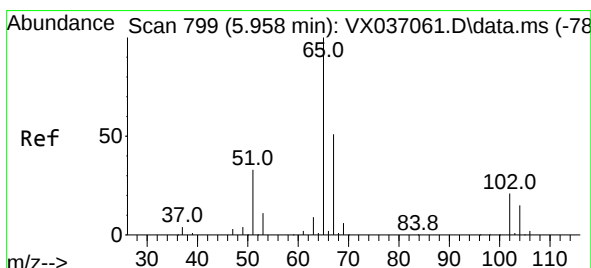
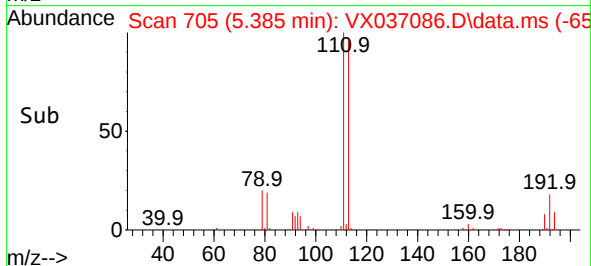
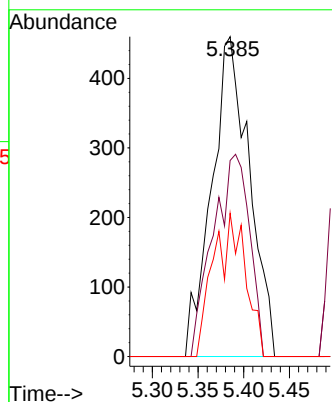
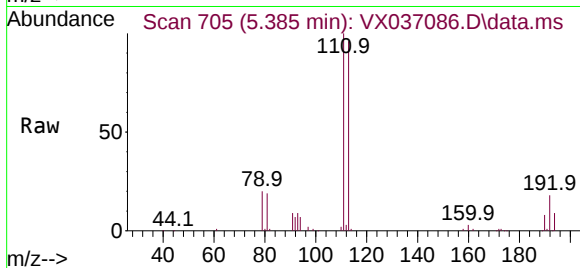
Tgt Ion: 97 Resp: 1317

Ion Ratio Lower Upper

97 100

99 0.0 51.1 76.7#

61 21.5 36.4 54.6#



#33

1,2-Dichloroethane-d4

Concen: 47.145 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037086.D

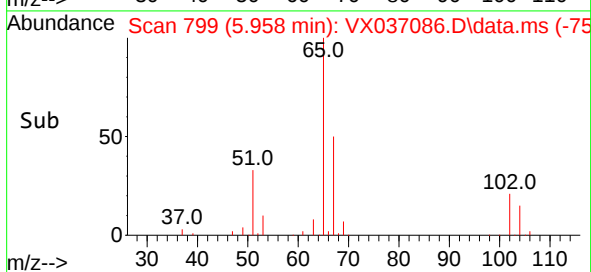
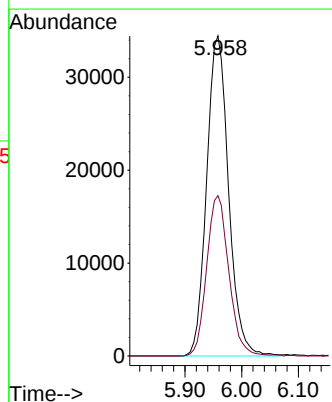
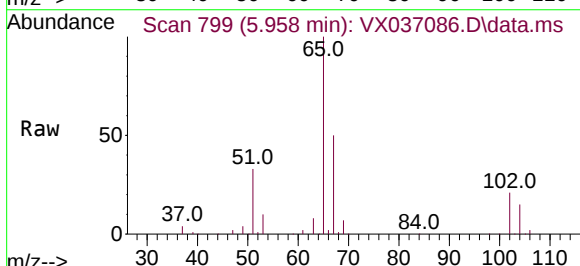
Acq: 18 Aug 2023 15:55

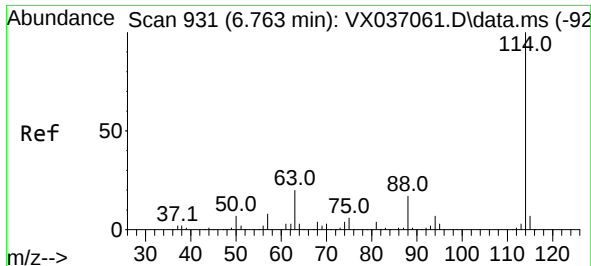
Tgt Ion: 65 Resp: 92627

Ion Ratio Lower Upper

65 100

67 50.5 0.0 100.2

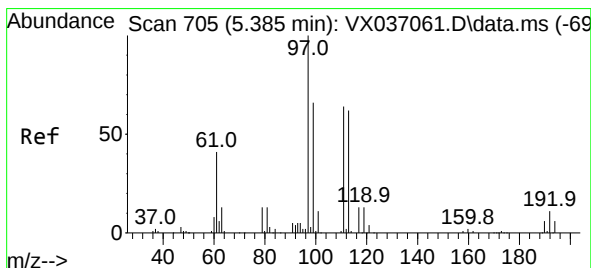
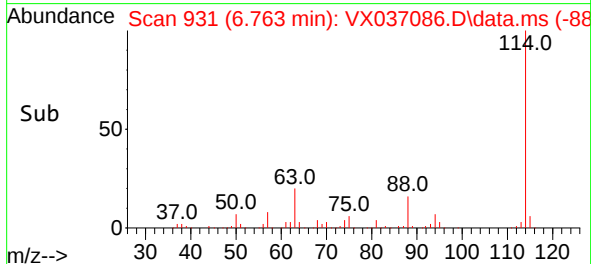
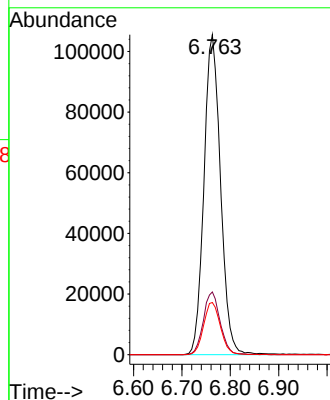
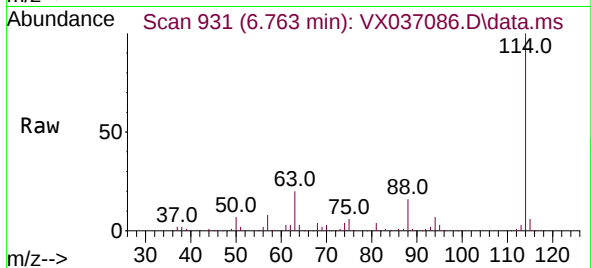




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037086.D
Acq: 18 Aug 2023 15:55

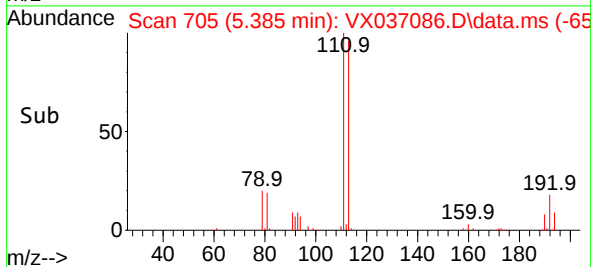
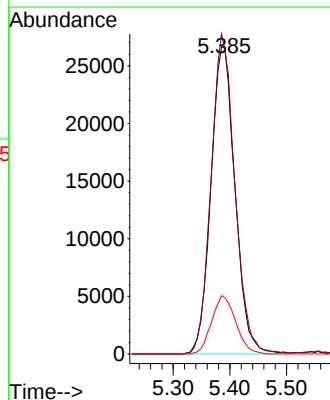
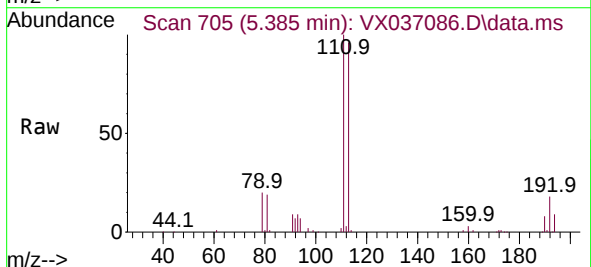
Instrument :
MSVOA_X
ClientSampleId :

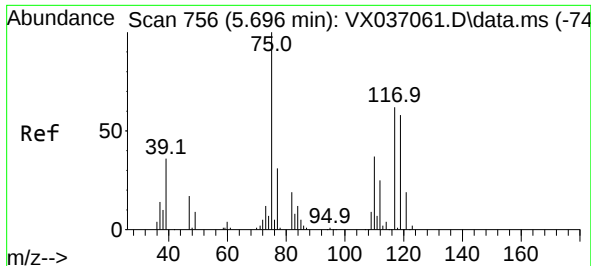
Tgt Ion:114 Resp: 251647
Ion Ratio Lower Upper
114 100
63 19.6 0.0 45.0
88 16.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.191 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037086.D
Acq: 18 Aug 2023 15:55

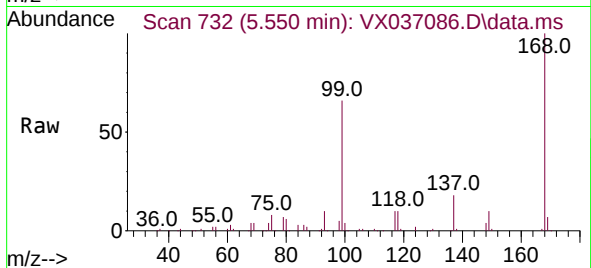
Tgt Ion:113 Resp: 78649
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 18.9 13.3 19.9



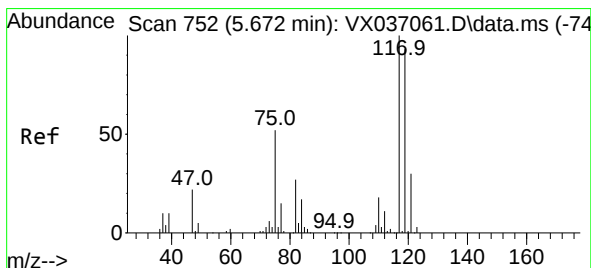
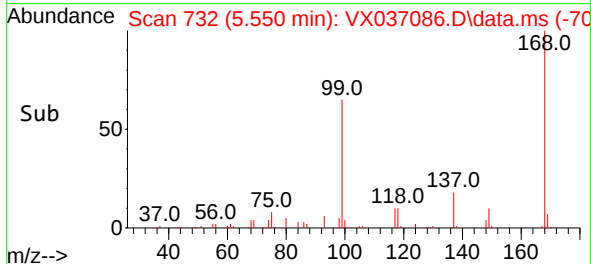
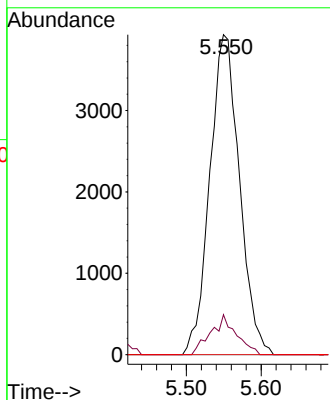


#36
1,1-Dichloropropene
Concen: 4.580 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX037086.D
Acq: 18 Aug 2023 15:55

Instrument :
MSVOA_X
ClientSampleId :

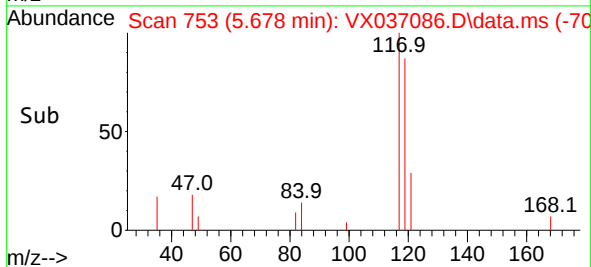
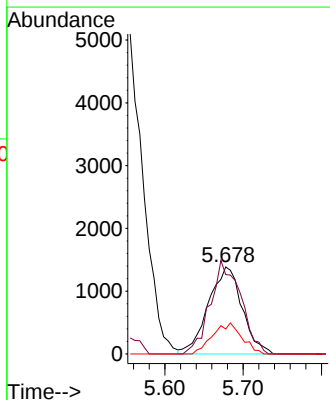
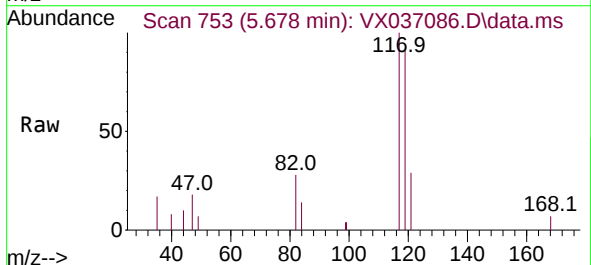


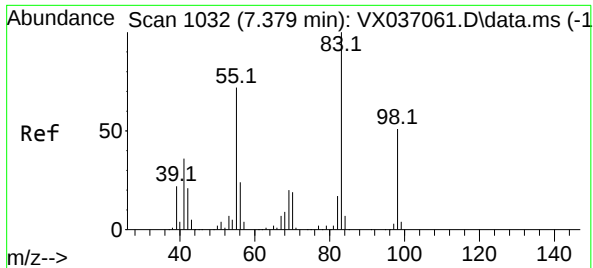
Tgt Ion: 75 Resp: 10844
Ion Ratio Lower Upper
75 100
110 10.7 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 1.618 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.006 min
Lab File: VX037086.D
Acq: 18 Aug 2023 15:55

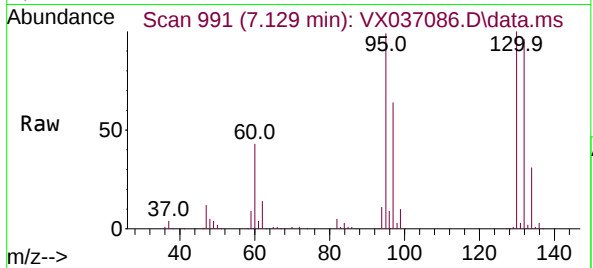
Tgt Ion: 117 Resp: 4162
Ion Ratio Lower Upper
117 100
119 91.3 78.2 117.2
121 28.7 24.4 36.6



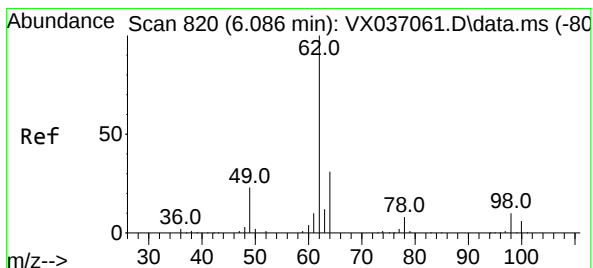
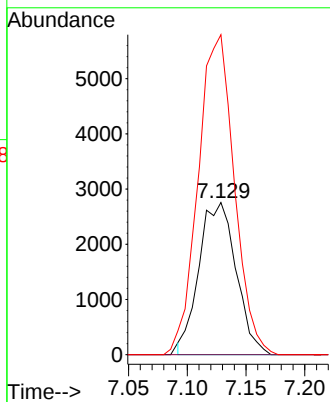
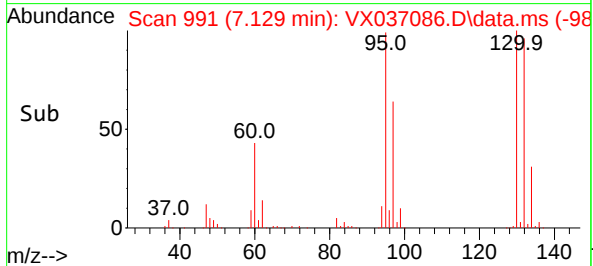


#39
Methylcyclohexane
Concen: 2.431 ug/l
RT: 7.129 min Scan# 91
Delta R.T. -0.250 min
Lab File: VX037086.D
Acq: 18 Aug 2023 15:55

Instrument :
MSVOA_X
ClientSampleId :

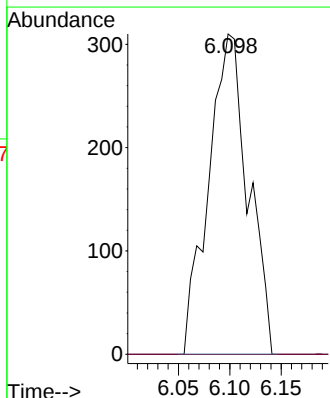
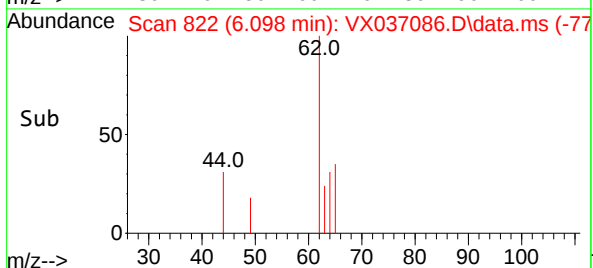
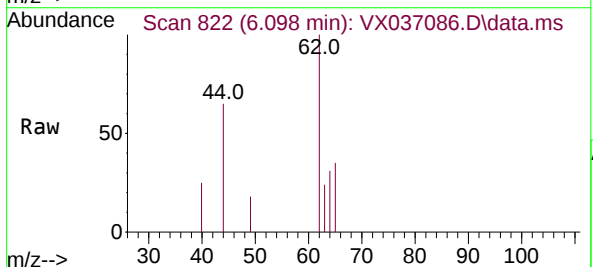


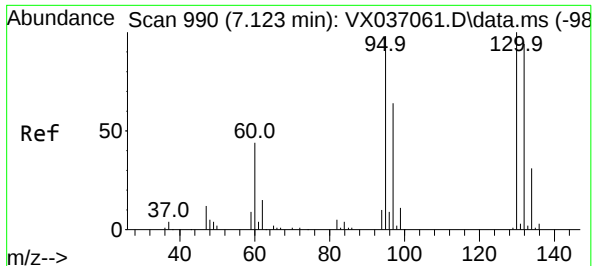
Tgt Ion: 83 Resp: 6047
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 210.2 36.7 55.1#



#42
1,2-Dichloroethane
Concen: 0.312 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.012 min
Lab File: VX037086.D
Acq: 18 Aug 2023 15:55

Tgt Ion: 62 Resp: 832
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0

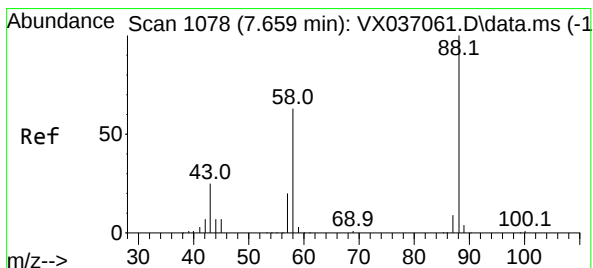
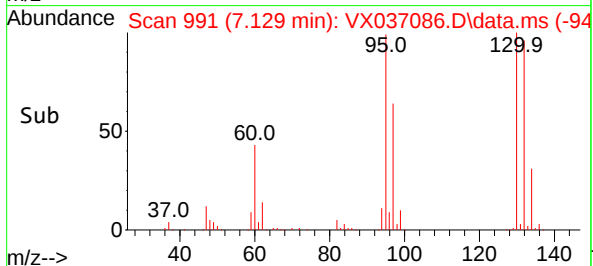
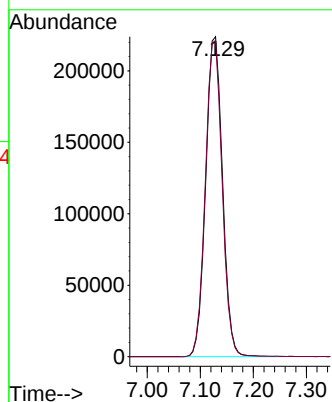
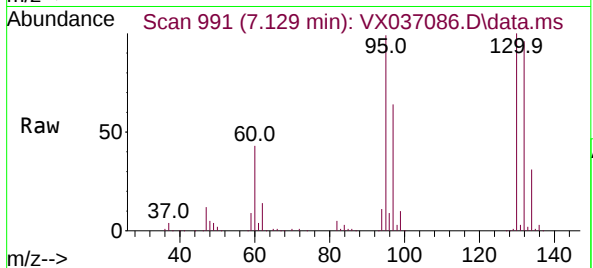




#44
Trichloroethene
Concen: 256.061 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037086.D
Acq: 18 Aug 2023 15:55

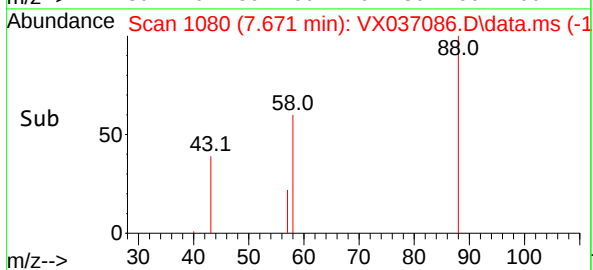
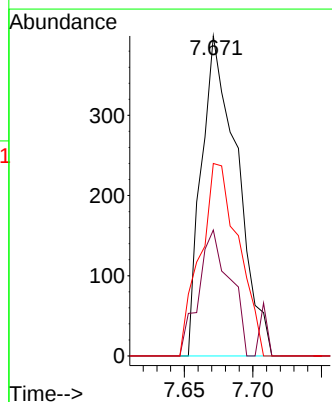
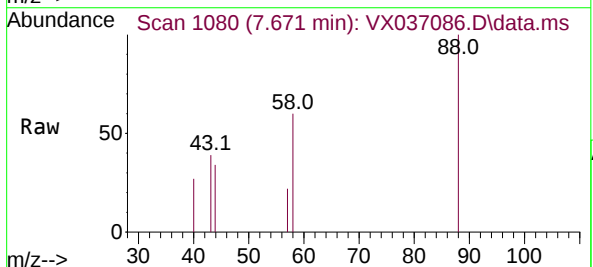
Instrument :
MSVOA_X
ClientSampleId :

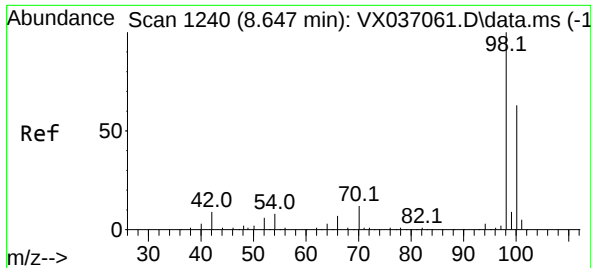
Tgt Ion:130 Resp: 493063
Ion Ratio Lower Upper
130 100
95 98.8 0.0 204.4



#49
1,4-Dioxane
Concen: 14.355 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX037086.D
Acq: 18 Aug 2023 15:55

Tgt Ion: 88 Resp: 724
Ion Ratio Lower Upper
88 100
43 34.7 0.0 0.0#
58 64.4 60.1 90.1

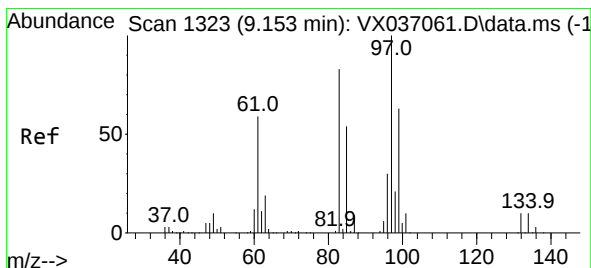
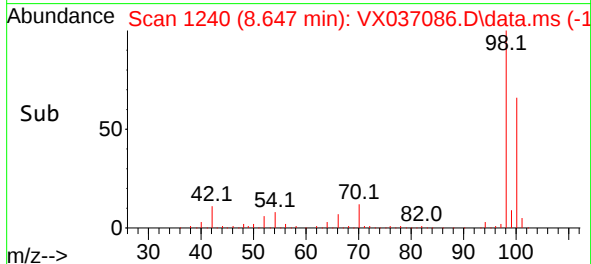
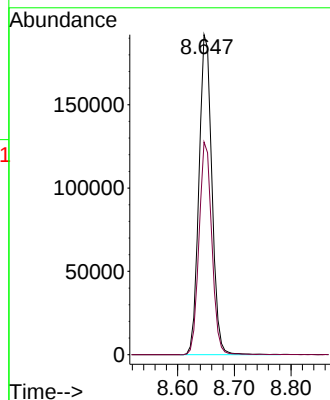
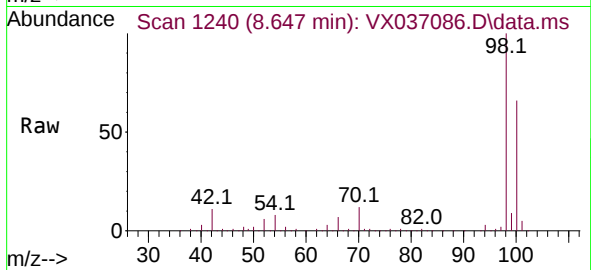




#50
Toluene-d8
Concen: 50.120 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037086.D
Acq: 18 Aug 2023 15:55

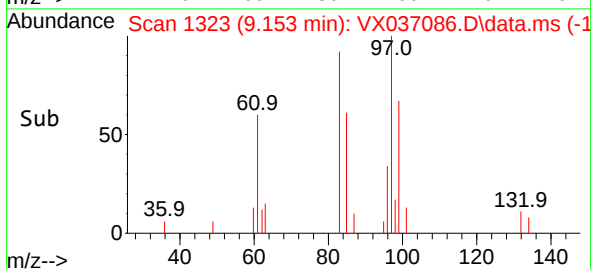
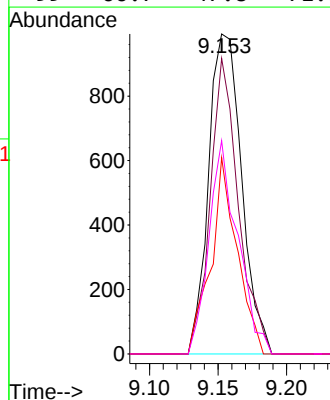
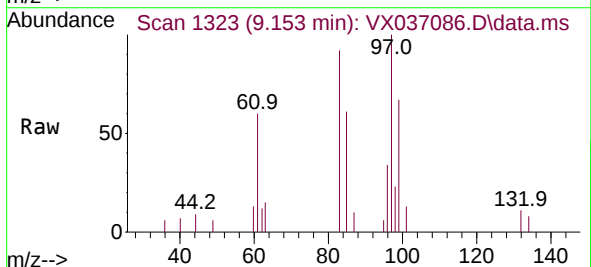
Instrument :
MSVOA_X
ClientSampleId :

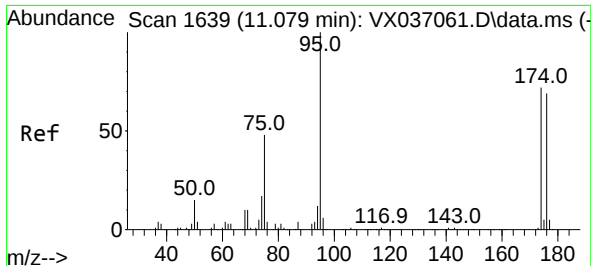
Tgt Ion: 98 Resp: 302995
Ion Ratio Lower Upper
98 100
100 65.7 53.1 79.7



#55
1,1,2-Trichloroethane
Concen: 0.913 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. -0.000 min
Lab File: VX037086.D
Acq: 18 Aug 2023 15:55

Tgt Ion: 97 Resp: 1668
Ion Ratio Lower Upper
97 100
83 92.3 65.8 98.8
85 61.3 41.6 62.4
99 66.7 47.8 71.8





#62

4-Bromofluorobenzene

Concen: 53.525 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037086.D

Acq: 18 Aug 2023 15:55

Instrument :

MSVOA_X

ClientSampleId :

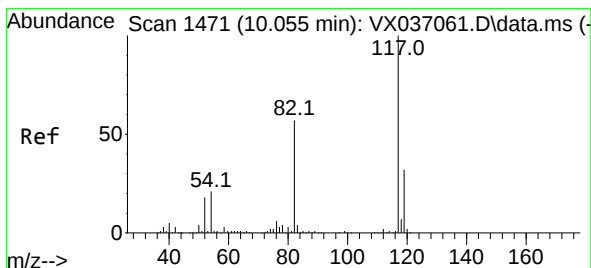
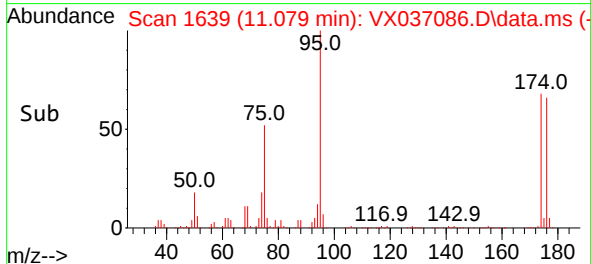
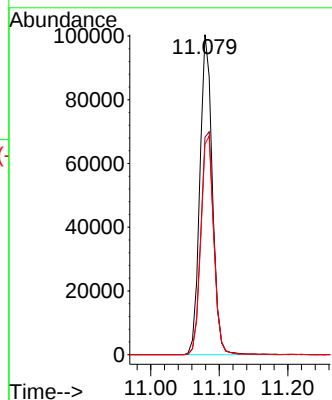
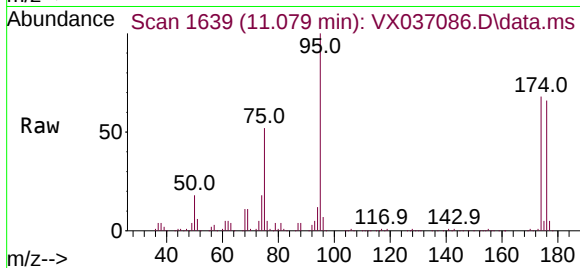
Tgt Ion: 95 Resp: 127162

Ion Ratio Lower Upper

95 100

174 73.0 0.0 135.6

176 70.7 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: VX037086.D

Acq: 18 Aug 2023 15:55

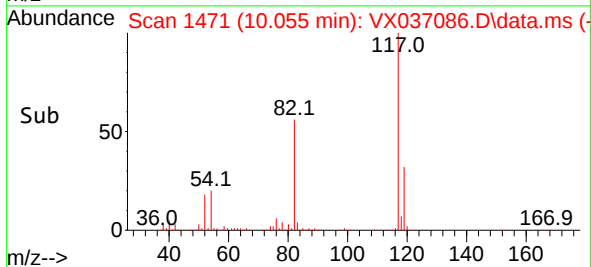
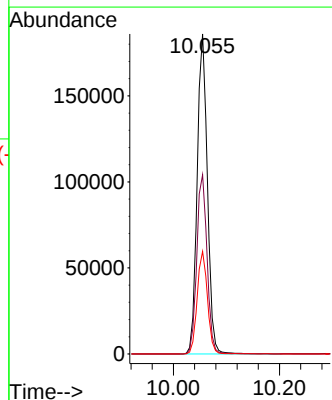
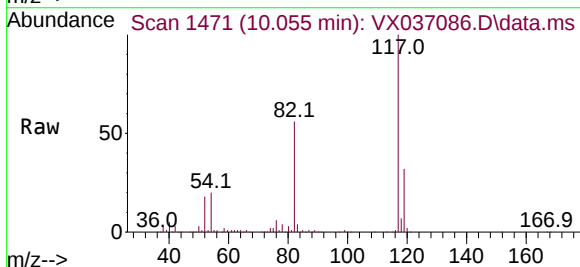
Tgt Ion: 117 Resp: 247838

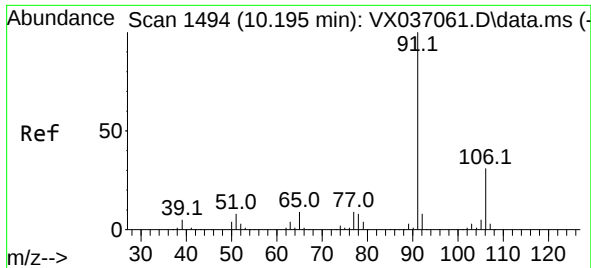
Ion Ratio Lower Upper

117 100

82 56.0 46.2 69.4

119 32.1 25.5 38.3

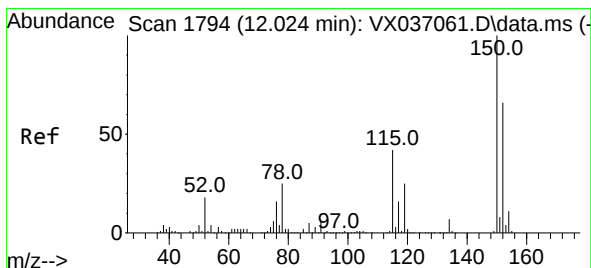
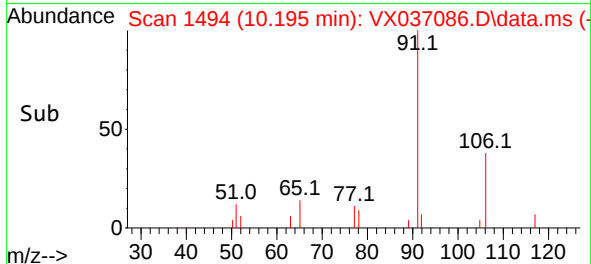
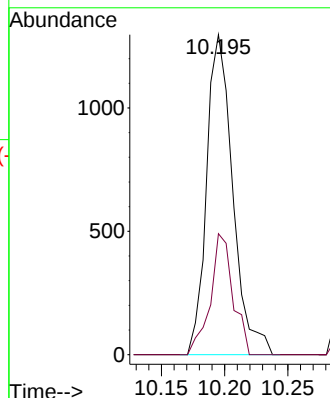
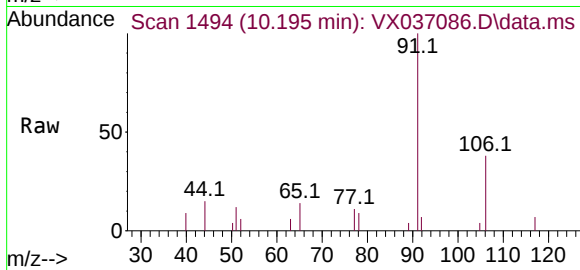




#67
Ethyl Benzene
Concen: 0.202 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX037086.D
Acq: 18 Aug 2023 15:55

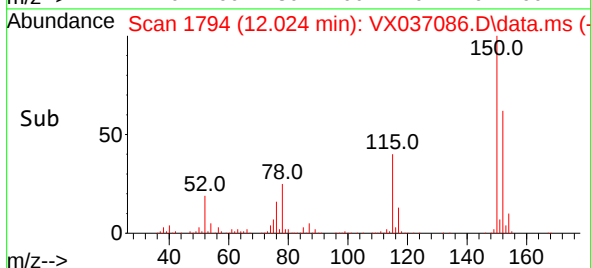
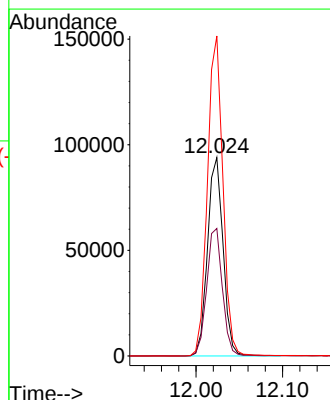
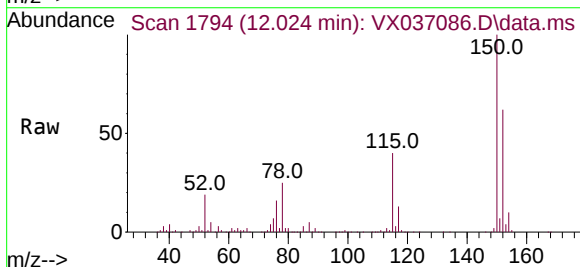
Instrument :
MSVOA_X
ClientSampleId :

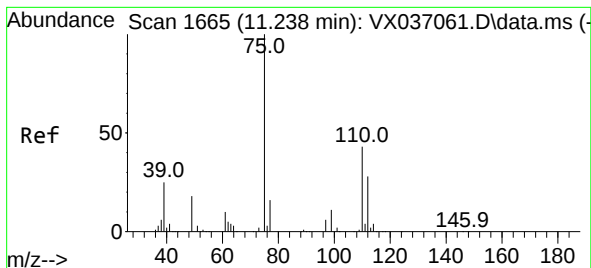
Tgt Ion: 91 Resp: 1863
Ion Ratio Lower Upper
91 100
106 37.8 24.9 37.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037086.D
Acq: 18 Aug 2023 15:55

Tgt Ion:152 Resp: 117239
Ion Ratio Lower Upper
152 100
115 65.0 43.3 129.9
150 160.4 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 26.045 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037086.D

Acq: 18 Aug 2023 15:55

Instrument :

MSVOA_X

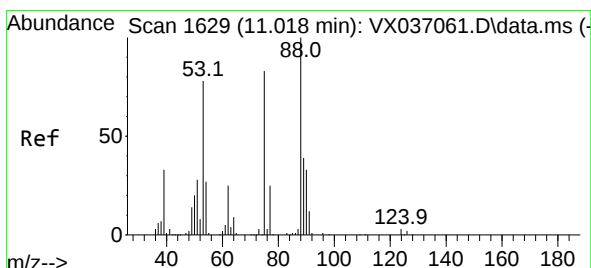
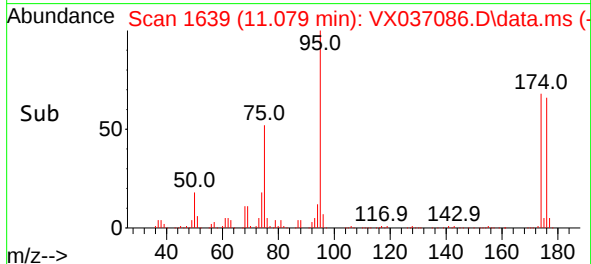
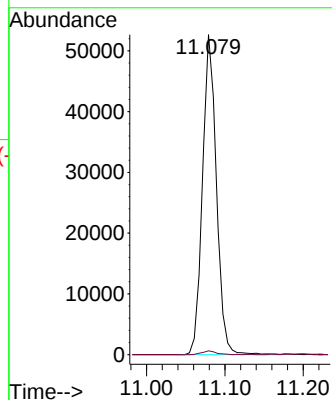
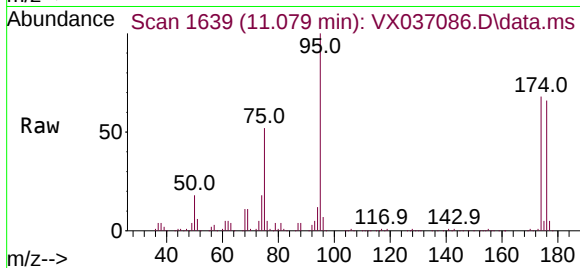
ClientSampleId :

Tgt Ion: 75 Resp: 65029

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.745 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037086.D

Acq: 18 Aug 2023 15:55

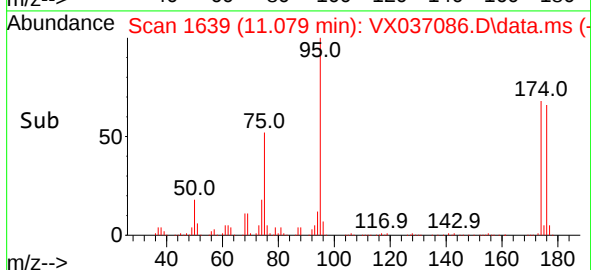
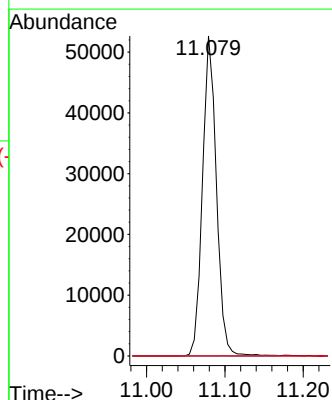
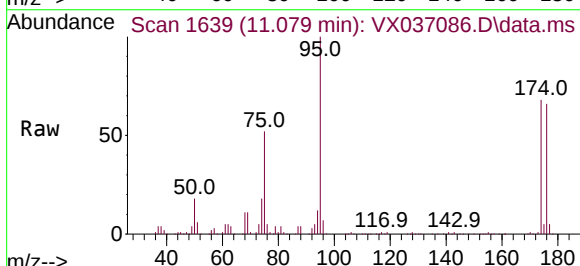
Tgt Ion: 75 Resp: 65029

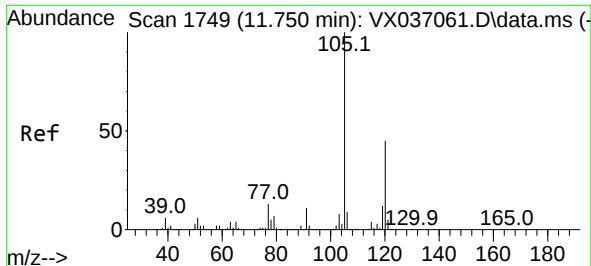
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

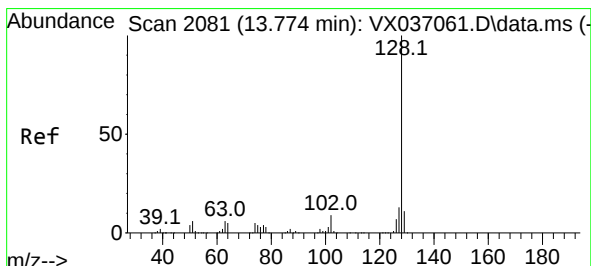
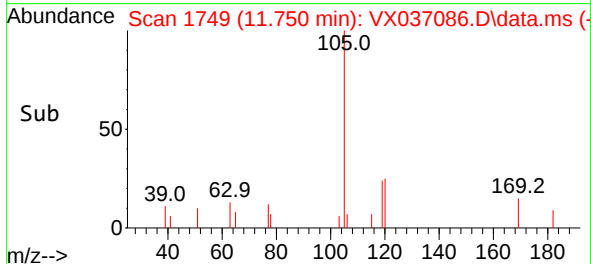
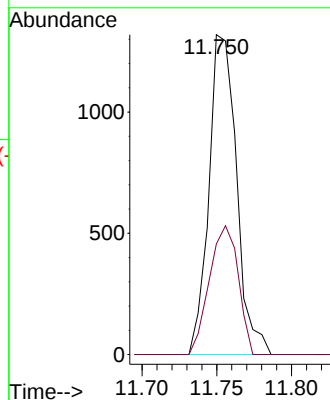
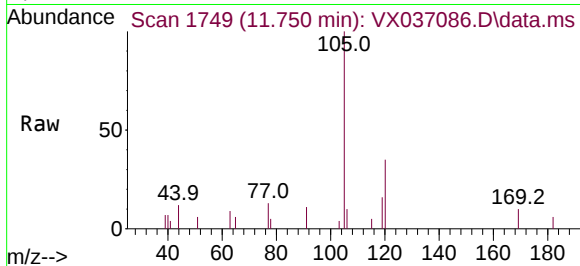




#84
1,2,4-Trimethylbenzene
Concen: 0.236 ug/l
RT: 11.750 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037086.D
Acq: 18 Aug 2023 15:55

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:105 Resp: 1697
Ion Ratio Lower Upper
105 100
120 41.9 21.2 63.6



#95
Naphthalene
Concen: 3.776 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX037086.D
Acq: 18 Aug 2023 15:55

Tgt Ion:128 Resp: 36925
Ion Ratio Lower Upper
128 100
127 12.2 10.3 15.5
129 11.2 8.8 13.2

