

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092123\
 Data File : VX037846.D
 Acq On : 21 Sep 2023 11:44
 Operator : JC/MD
 Sample : 04551-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 22 04:40:49 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)

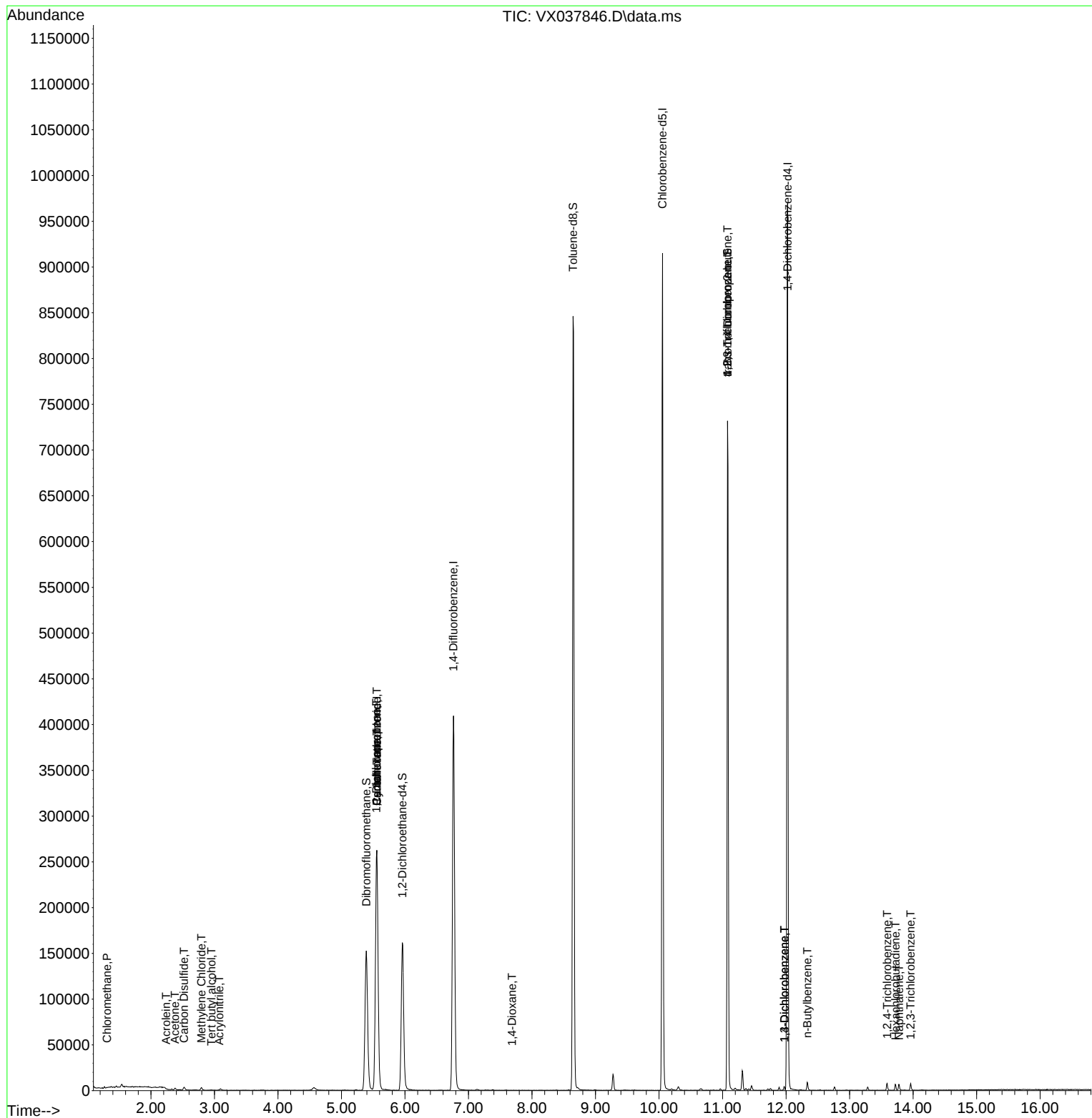
Internal Standards						
1) Pentafluorobenzene	5.556	168	257733	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	430954	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	408660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	211417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	153406	45.303	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.600%		
35) Dibromofluoromethane	5.391	113	132960	46.110	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.220%		
50) Toluene-d8	8.647	98	520678	48.597	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.200%		
62) 4-Bromofluorobenzene	11.079	95	191595	49.211	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.420%		
Target Compounds						
						Qvalue
3) Chloromethane	1.307	50	612	0.207	ug/l	# 85
11) Tert butyl alcohol	2.953	59	170	0.234	ug/l	# 78
13) Acrolein	2.239	56	327	0.455	ug/l	# 33
15) Acrylonitrile	3.075	53	533	0.330	ug/l	# 67
16) Acetone	2.380	43	2050	1.258	ug/l	99
17) Carbon Disulfide	2.520	76	2120	0.336	ug/l	# 90
20) Methylene Chloride	2.794	84	1254	0.391	ug/l	# 93
31) Cyclohexane	5.556	56	5253	1.209	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	19222	4.839	ug/l	# 51
38) Carbon Tetrachloride	5.556	117	25961	6.246	ug/l	# 15
49) 1,4-Dioxane	7.683	88	69	0.788	ug/l	# 12
76) 1,2,3-Trichloropropane	11.079	75	97843	20.009	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	97843	64.097	ug/l	# 5
87) 1,3-Dichlorobenzene	11.975	146	1497	0.209	ug/l	97
88) 1,4-Dichlorobenzene	11.975	146	1497	0.204	ug/l	98
89) n-Butylbenzene	12.335	91	2819	0.240	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	1996	0.464	ug/l	89
94) Hexachlorobutadiene	13.725	225	938	0.467	ug/l	92
95) Naphthalene	13.780	128	5213	0.358	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	2012	0.454	ug/l	98

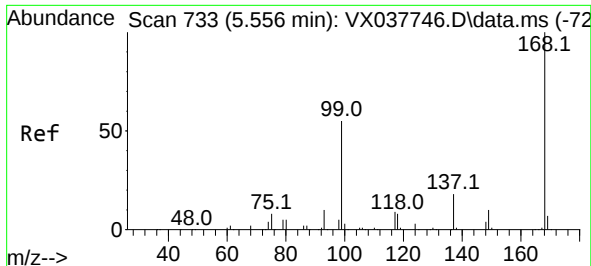
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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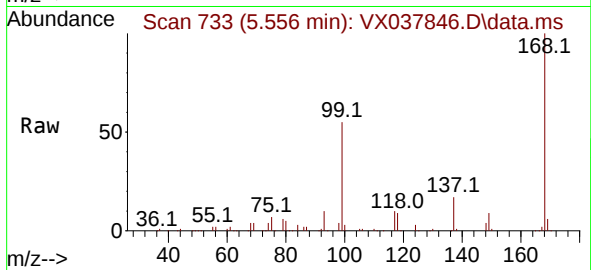
Quant Time: Sep 22 04:40:49 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 16 04:55:44 2023
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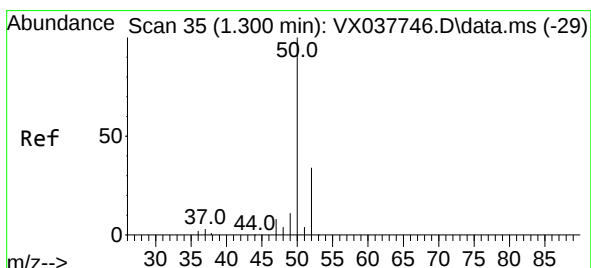
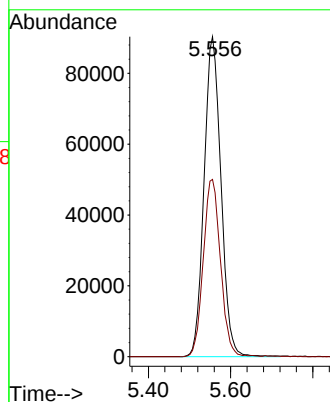
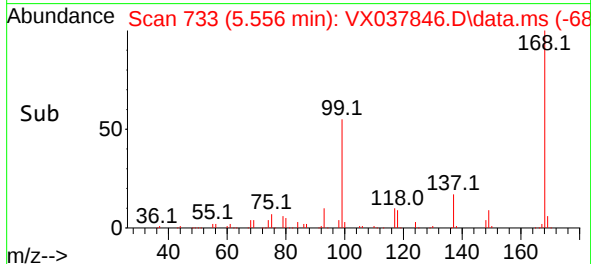


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037846.D
Acq: 21 Sep 2023 11:44

Instrument :
MSVOA_X
ClientSampleId :

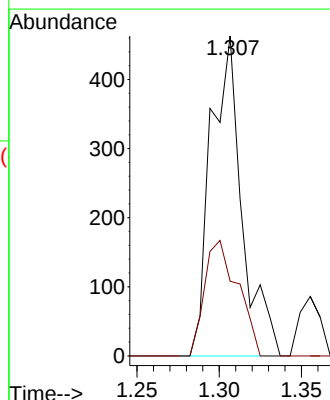
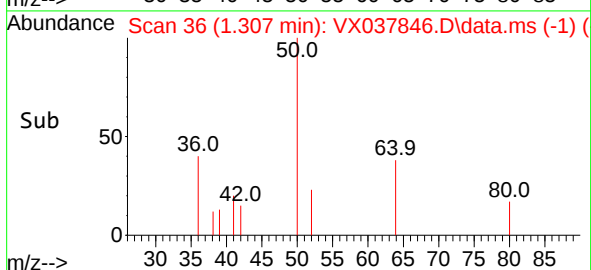
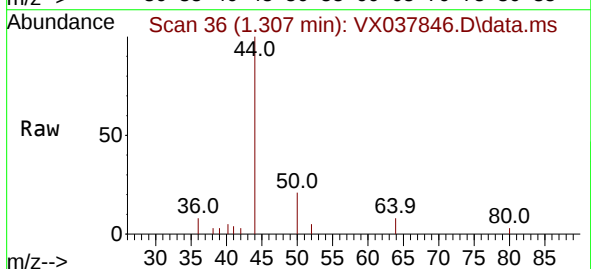


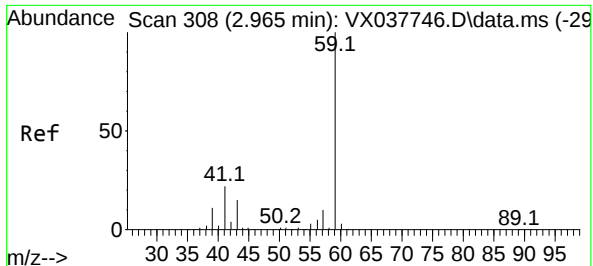
Tgt Ion:168 Resp: 257733
Ion Ratio Lower Upper
168 100
99 55.4 56.6 85.0#



#3
Chloromethane
Concen: 0.207 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX037846.D
Acq: 21 Sep 2023 11:44

Tgt Ion: 50 Resp: 612
Ion Ratio Lower Upper
50 100
52 23.3 25.5 38.3#





#11

Tert butyl alcohol

Concen: 0.234 ug/l

RT: 2.953 min Scan# 308

Delta R.T. -0.012 min

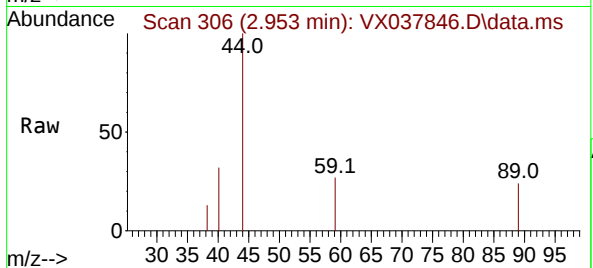
Lab File: VX037846.D

Acq: 21 Sep 2023 11:44

Instrument :

MSVOA_X

ClientSampleId :

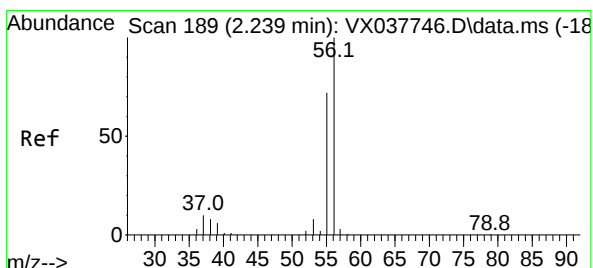
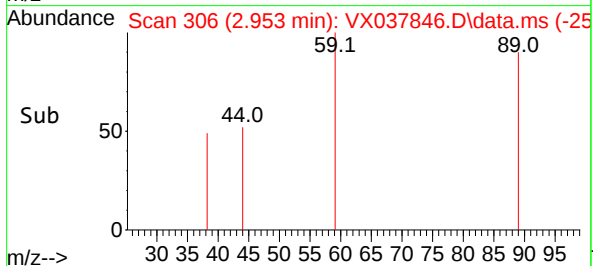
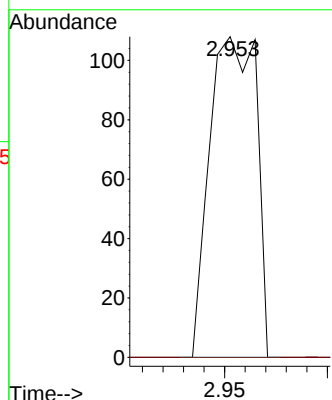


Tgt Ion: 59 Resp: 170

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.455 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX037846.D

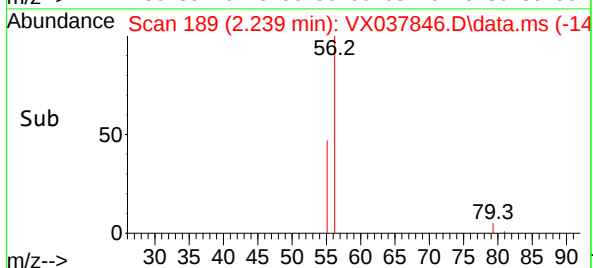
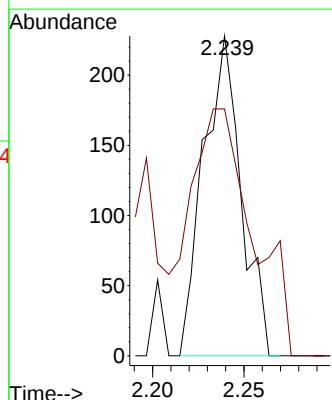
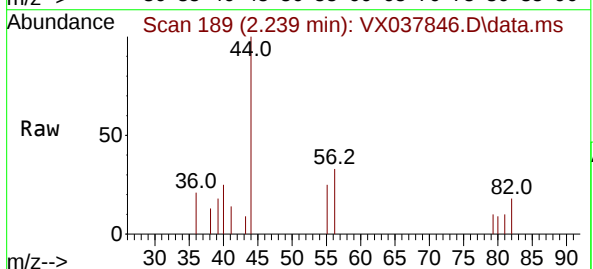
Acq: 21 Sep 2023 11:44

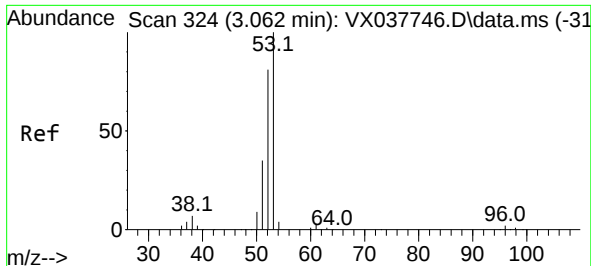
Tgt Ion: 56 Resp: 327

Ion Ratio Lower Upper

56 100

55 126.9 57.1 85.7#





#15

Acrylonitrile

Concen: 0.330 ug/l

RT: 3.075 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX037846.D

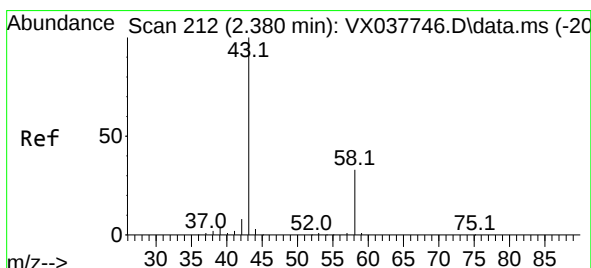
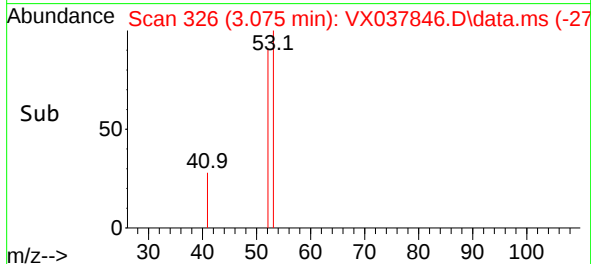
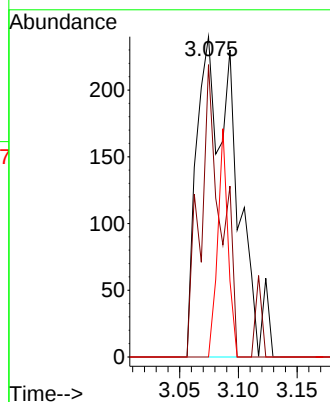
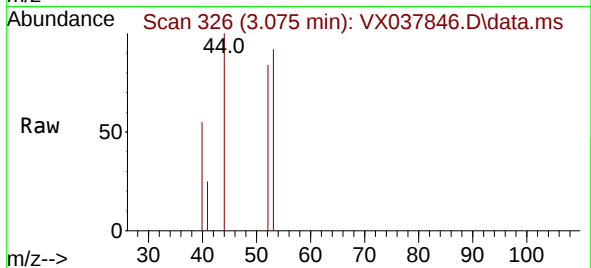
Acq: 21 Sep 2023 11:44

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	53	Resp:	533
Ion	Ratio	Lower	Upper
53	100		
52	51.0	66.0	99.0#
51	19.7	29.8	44.6#



#16

Acetone

Concen: 1.258 ug/l

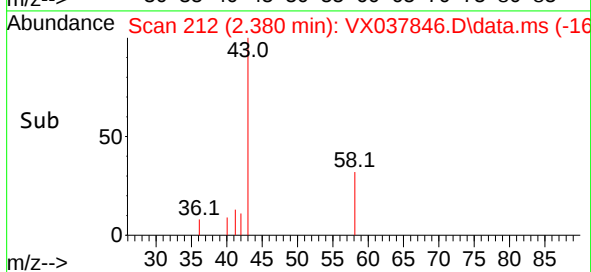
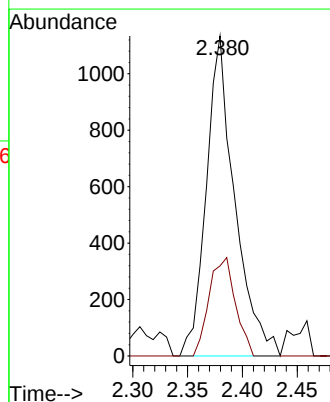
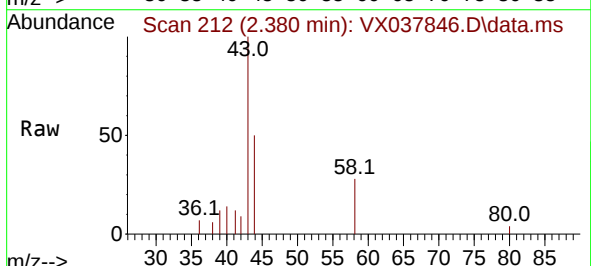
RT: 2.380 min Scan# 212

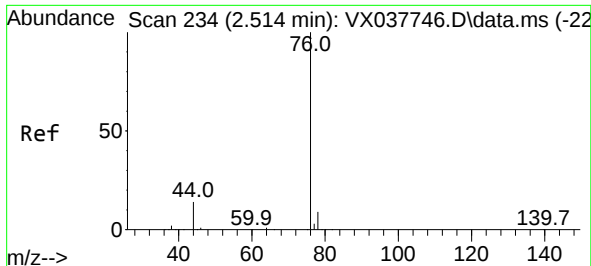
Delta R.T. -0.000 min

Lab File: VX037846.D

Acq: 21 Sep 2023 11:44

Tgt Ion:	43	Resp:	2050
Ion	Ratio	Lower	Upper
43	100		
58	28.1	21.9	32.9

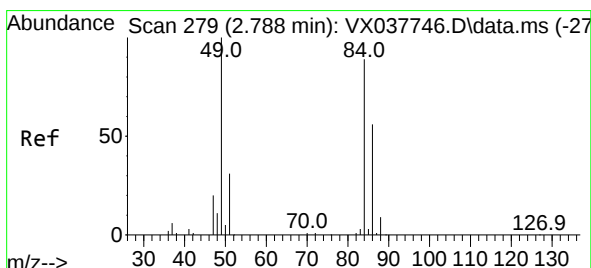
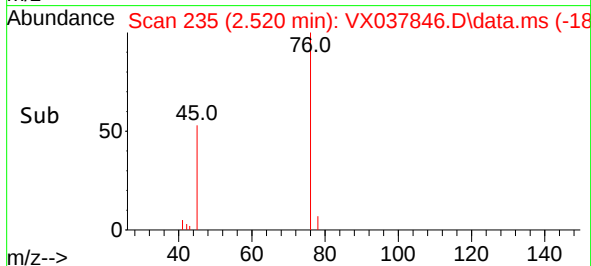
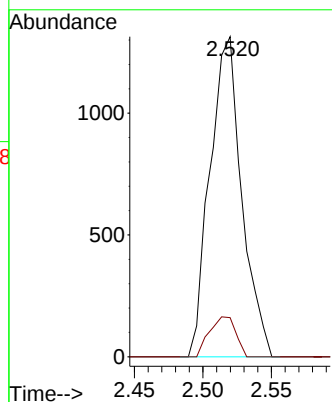
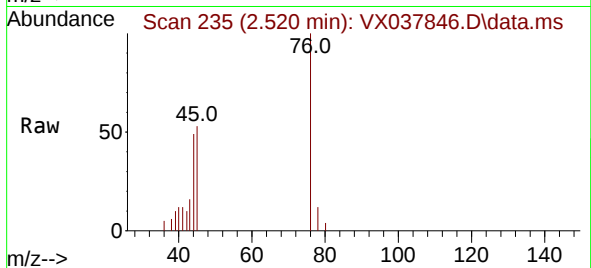




#17
Carbon Disulfide
Concen: 0.336 ug/l
RT: 2.520 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX037846.D
Acq: 21 Sep 2023 11:44

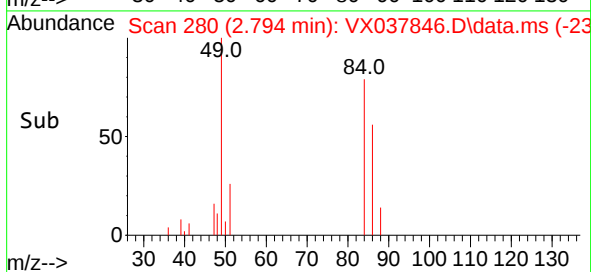
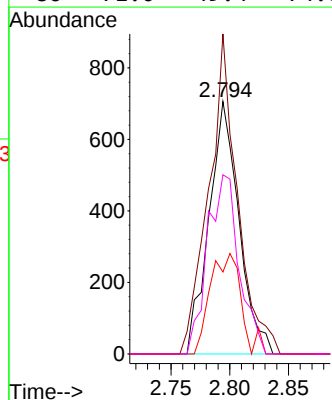
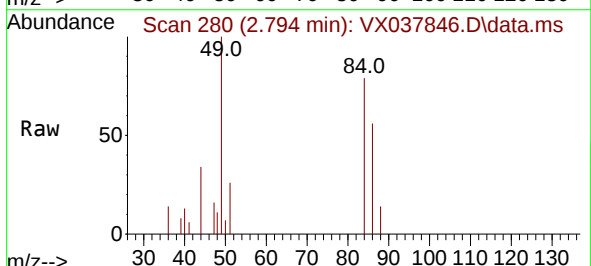
Instrument :
MSVOA_X
ClientSampleId :

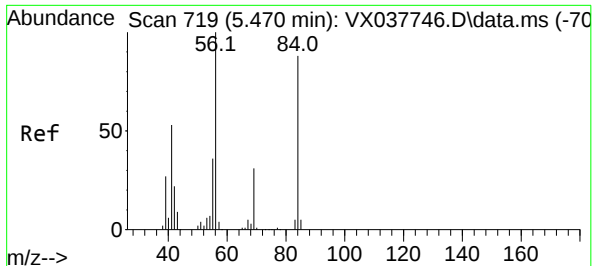
Tgt Ion: 76 Resp: 2120
Ion Ratio Lower Upper
76 100
78 12.3 7.0 10.6#



#20
Methylene Chloride
Concen: 0.391 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX037846.D
Acq: 21 Sep 2023 11:44

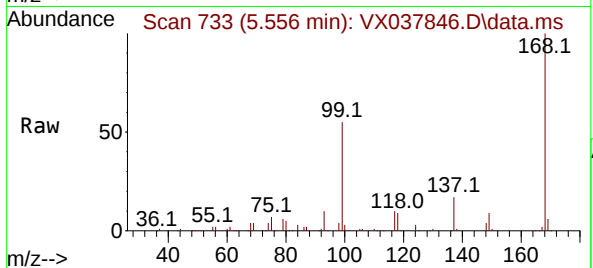
Tgt Ion: 84 Resp: 1254
Ion Ratio Lower Upper
84 100
49 126.8 103.6 155.4
51 32.4 33.8 50.6#
86 71.0 49.4 74.0



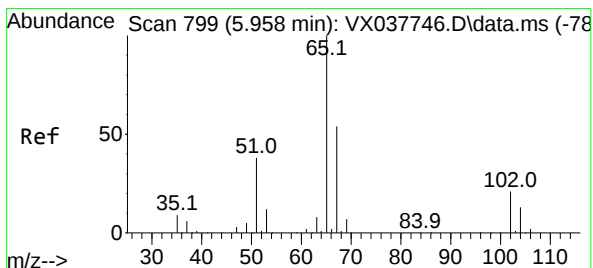
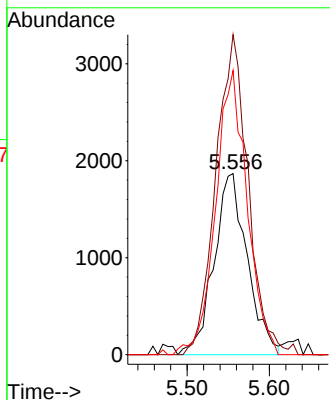
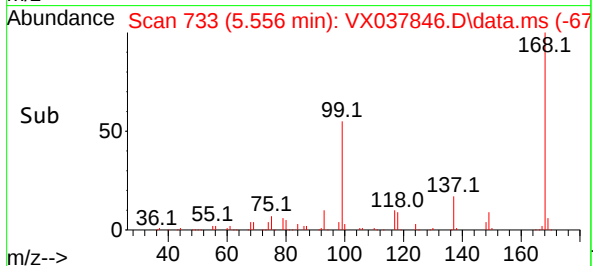


#31
Cyclohexane
Concen: 1.209 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX037846.D
Acq: 21 Sep 2023 11:44

Instrument :
MSVOA_X
ClientSampleId :

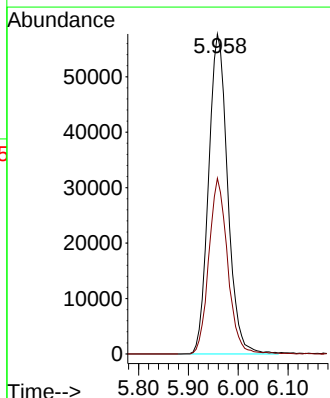
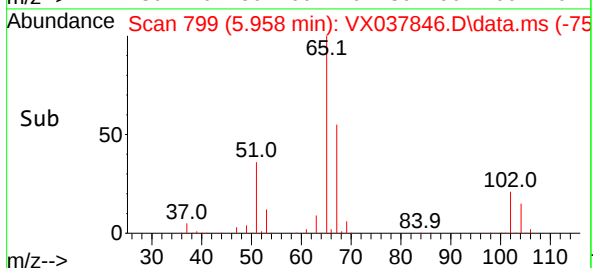
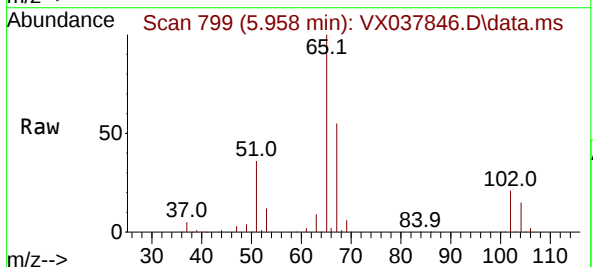


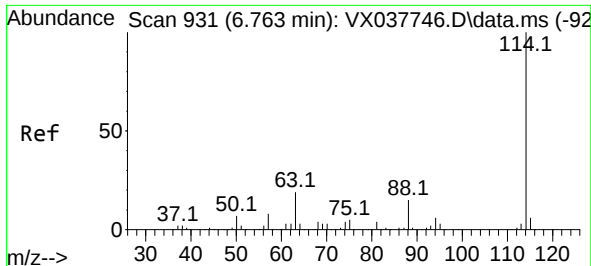
Tgt Ion: 56 Resp: 5253
Ion Ratio Lower Upper
56 100
69 176.7 23.4 35.2#
84 156.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 45.303 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037846.D
Acq: 21 Sep 2023 11:44

Tgt Ion: 65 Resp: 153406
Ion Ratio Lower Upper
65 100
67 54.0 0.0 100.2

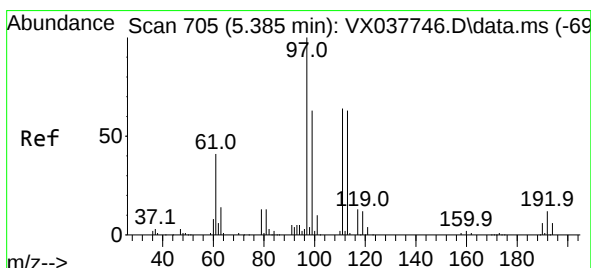
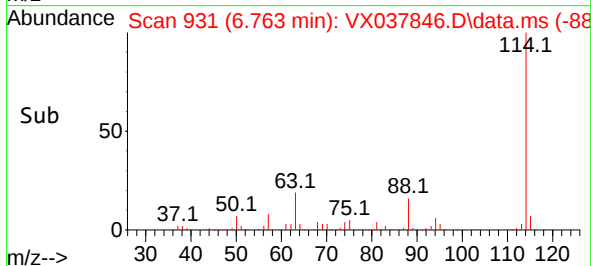
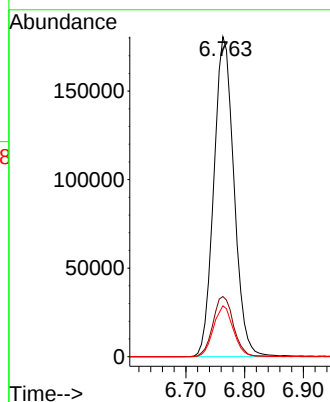
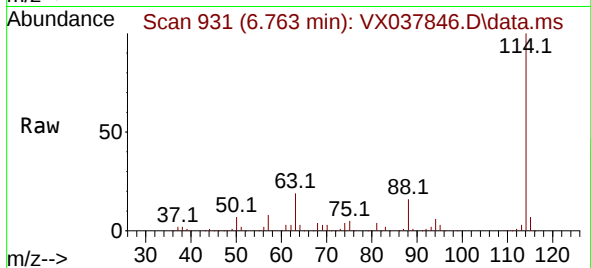




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037846.D
Acq: 21 Sep 2023 11:44

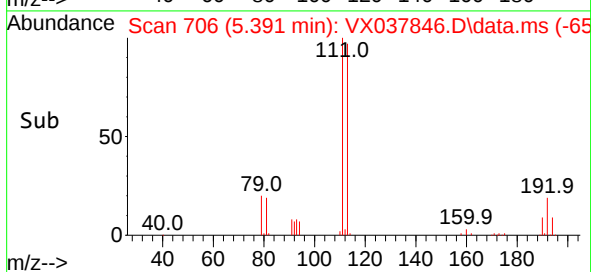
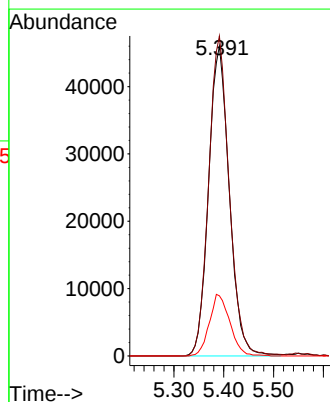
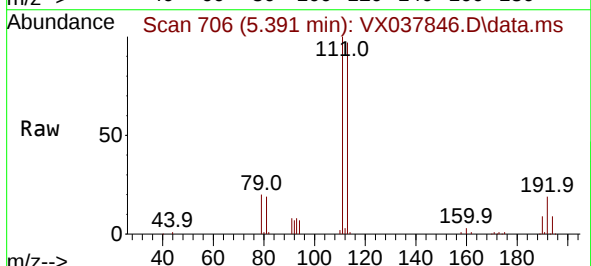
Instrument :
MSVOA_X
ClientSampleId :

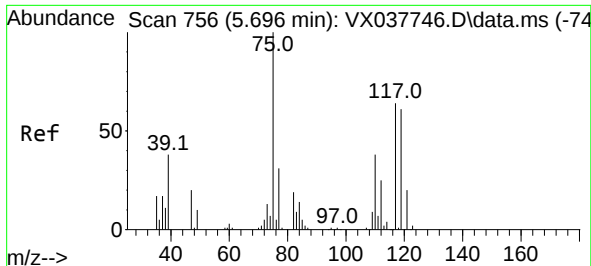
Tgt Ion:114 Resp: 430954
Ion Ratio Lower Upper
114 100
63 18.8 0.0 45.0
88 15.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.110 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX037846.D
Acq: 21 Sep 2023 11:44

Tgt Ion:113 Resp: 132960
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 19.7 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.839 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

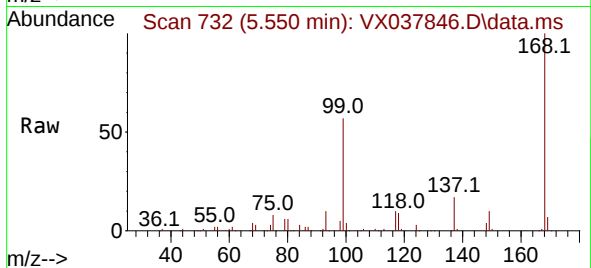
Lab File: VX037846.D

Acq: 21 Sep 2023 11:44

Instrument :

MSVOA_X

ClientSampleId :



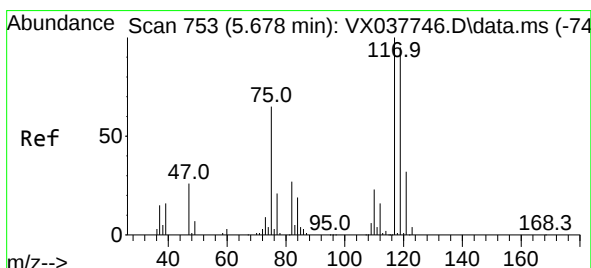
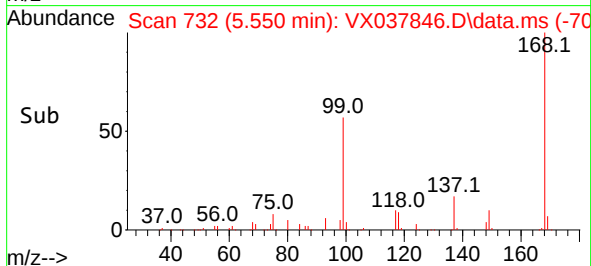
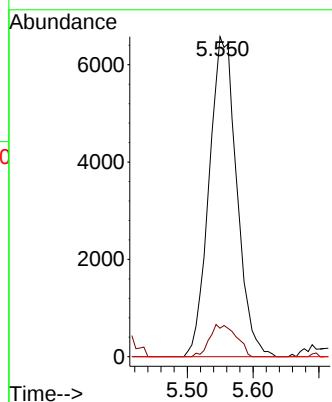
Tgt Ion: 75 Resp: 19222

Ion Ratio Lower Upper

75 100

110 9.7 17.0 50.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.246 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX037846.D

Acq: 21 Sep 2023 11:44

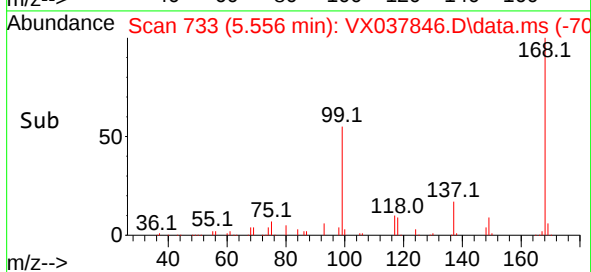
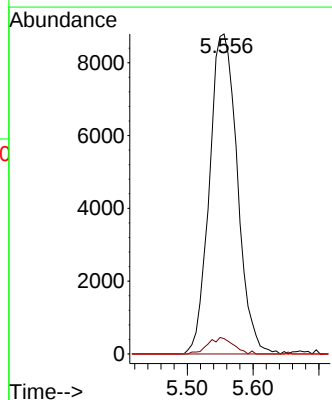
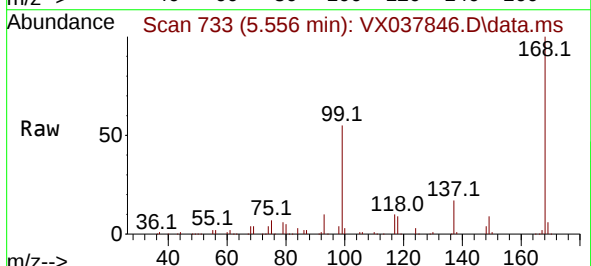
Tgt Ion: 117 Resp: 25961

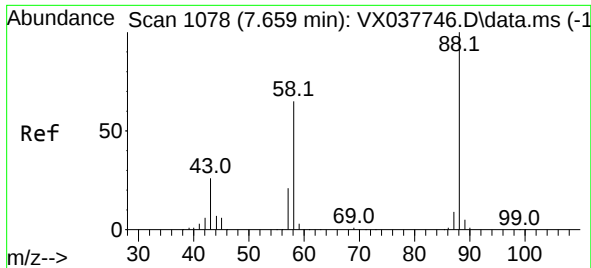
Ion Ratio Lower Upper

117 100

119 4.8 78.2 117.2#

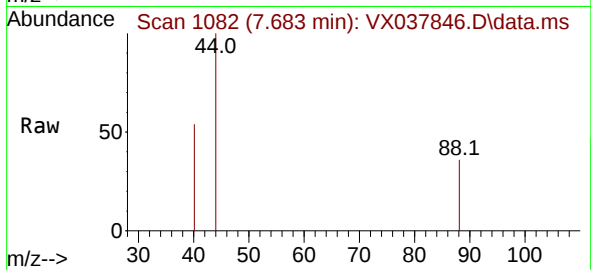
121 0.0 24.4 36.6#



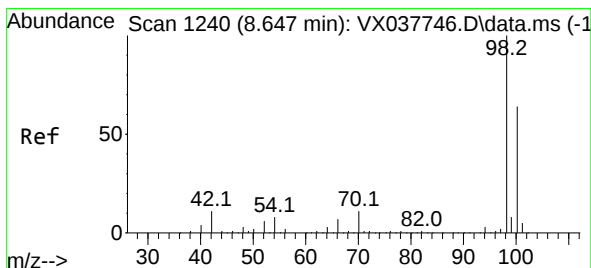
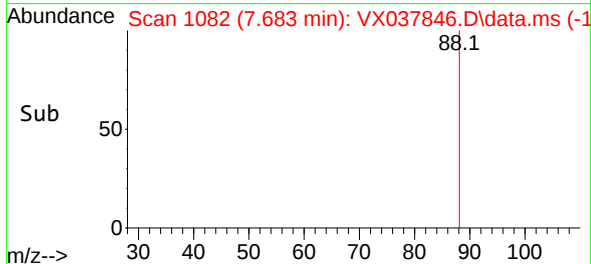
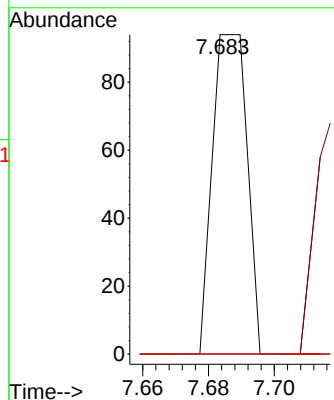


#49
1,4-Dioxane
Concen: 0.788 ug/l
RT: 7.683 min Scan# 1078
Delta R.T. 0.012 min
Lab File: VX037846.D
Acq: 21 Sep 2023 11:44

Instrument :
MSVOA_X
ClientSampleId :

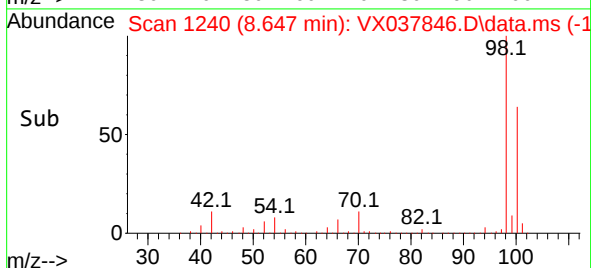
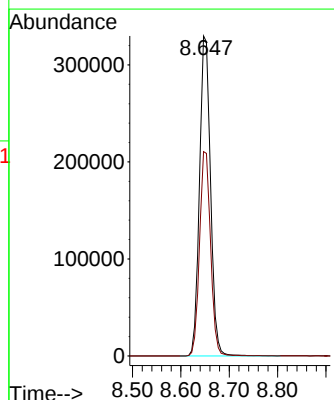
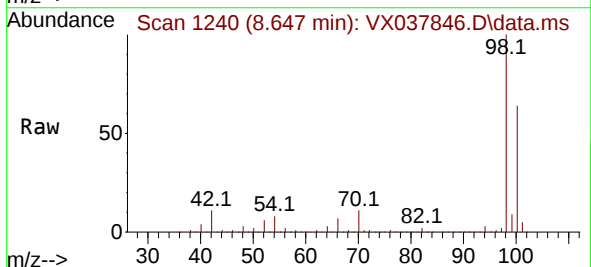


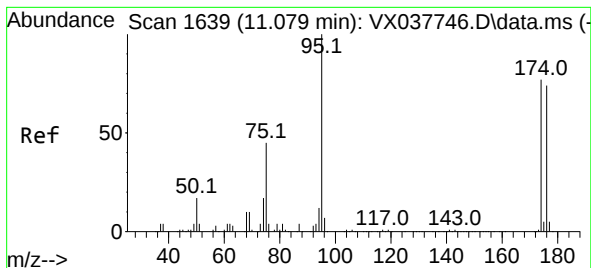
Tgt Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#



#50
Toluene-d8
Concen: 48.597 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037846.D
Acq: 21 Sep 2023 11:44

Tgt Ion: 98 Resp: 520678
Ion Ratio Lower Upper
98 100
100 63.9 53.1 79.7

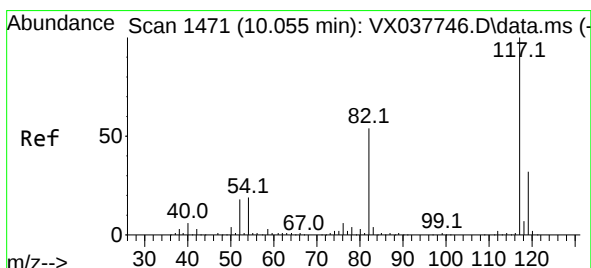
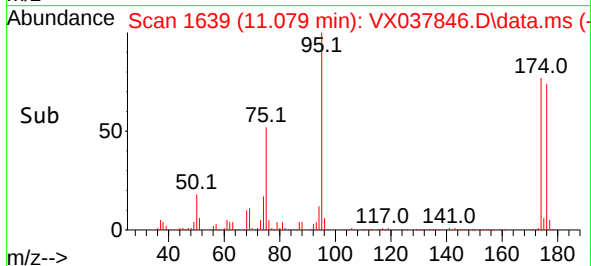
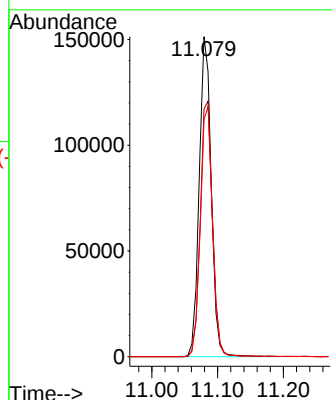
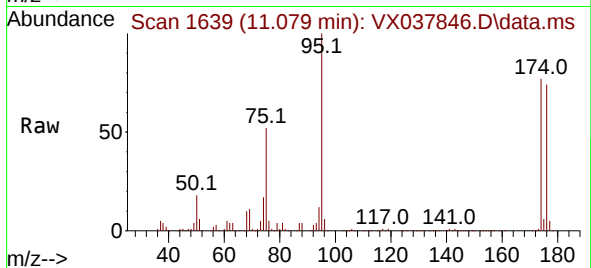




#62
4-Bromofluorobenzene
Concen: 49.211 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037846.D
Acq: 21 Sep 2023 11:44

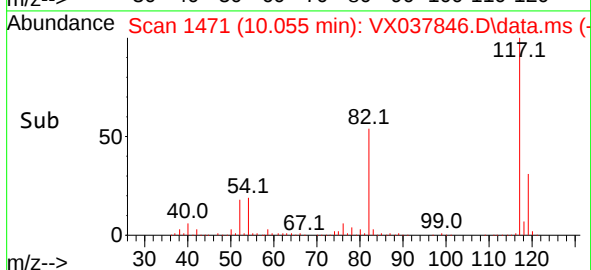
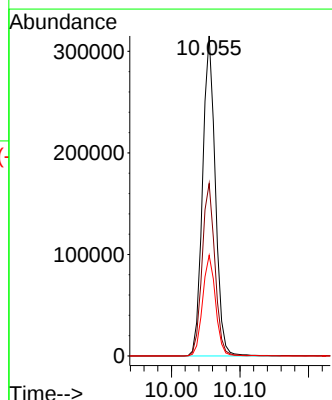
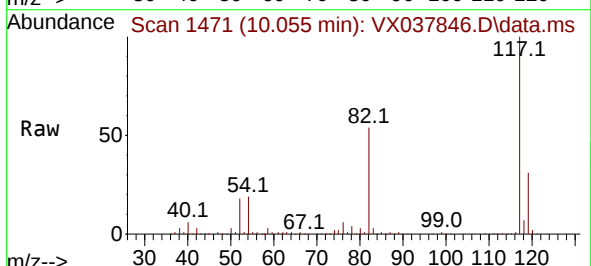
Instrument :
MSVOA_X
ClientSampleId :

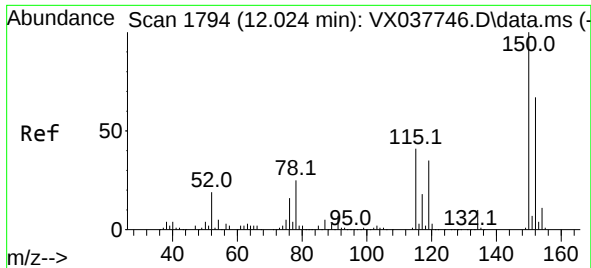
Tgt Ion: 95 Resp: 191595
Ion Ratio Lower Upper
95 100
174 81.8 0.0 135.6
176 79.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037846.D
Acq: 21 Sep 2023 11:44

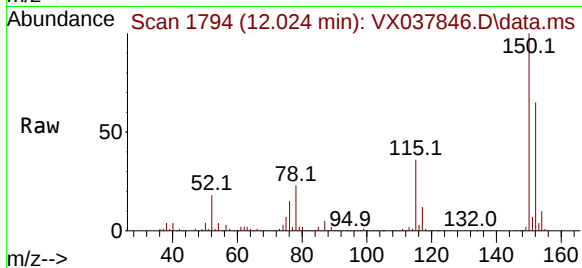
Tgt Ion: 117 Resp: 408660
Ion Ratio Lower Upper
117 100
82 53.9 46.2 69.4
119 31.5 25.5 38.3



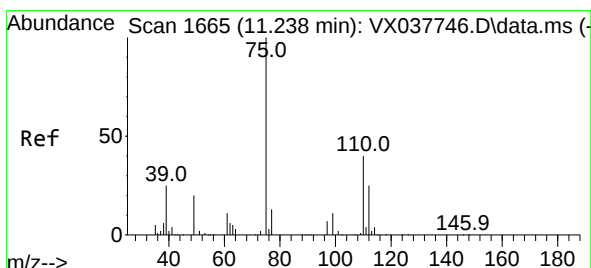
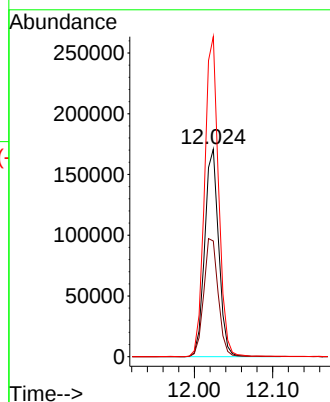
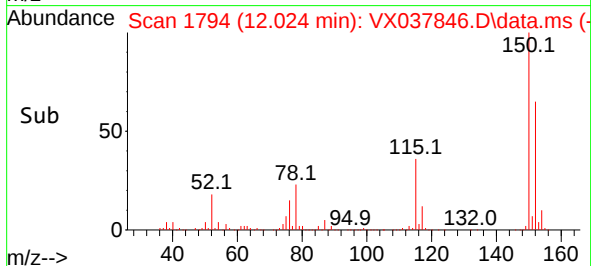


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX037846.D
 Acq: 21 Sep 2023 11:44

Instrument :
 MSVOA_X
 ClientSampleId :

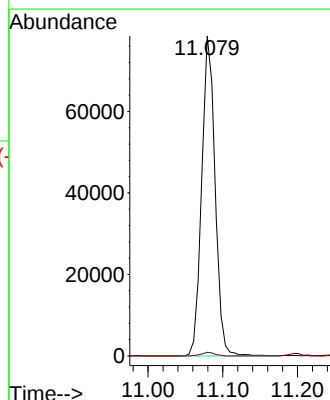
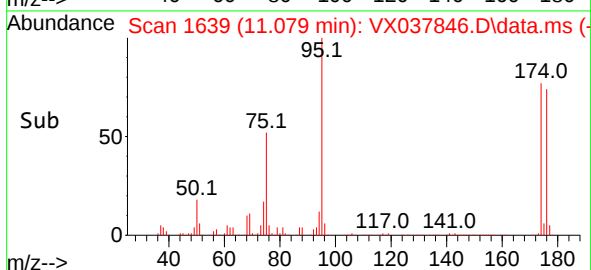
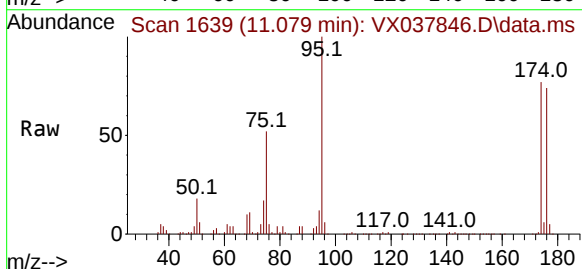


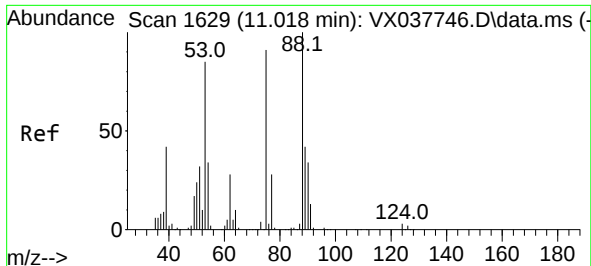
Tgt Ion:152 Resp: 211417
 Ion Ratio Lower Upper
 152 100
 115 58.8 43.3 129.9
 150 154.5 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 20.009 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX037846.D
 Acq: 21 Sep 2023 11:44

Tgt Ion: 75 Resp: 97843
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

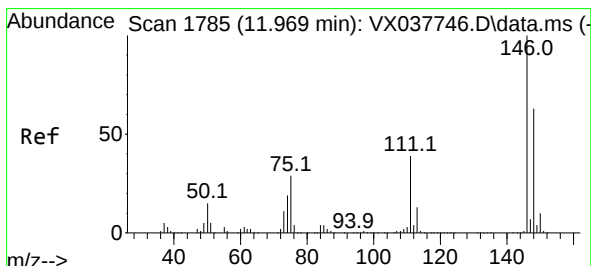
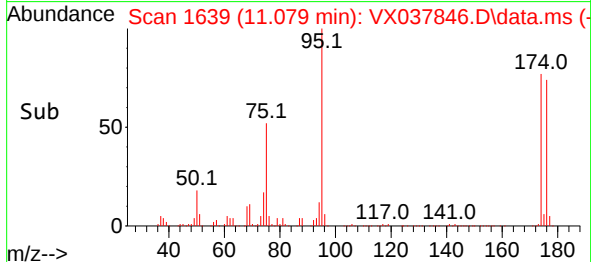
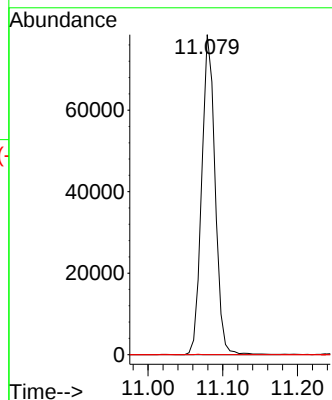
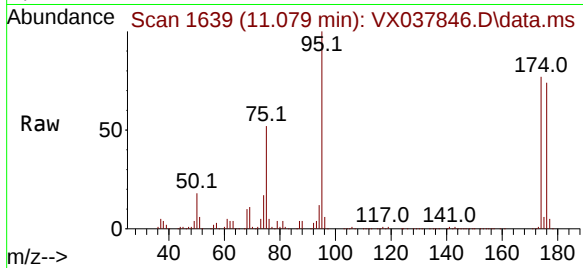




#81
trans-1,4-Dichloro-2-butene
Concen: 64.097 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037846.D
Acq: 21 Sep 2023 11:44

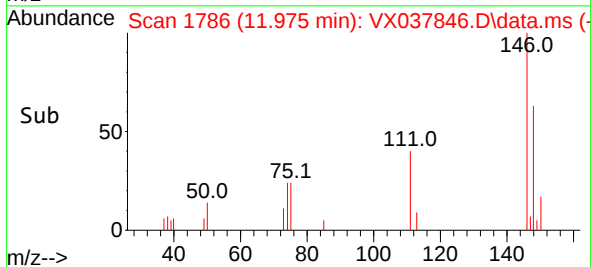
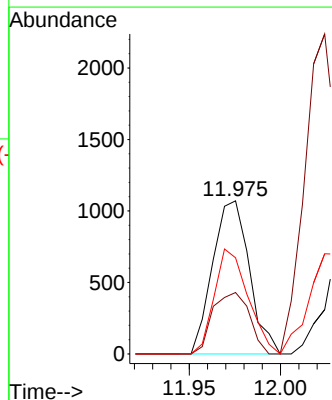
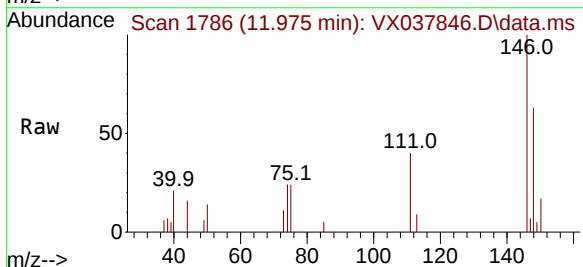
Instrument :
MSVOA_X
ClientSampleId :

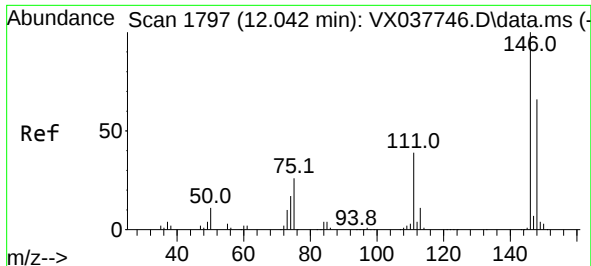
Tgt Ion: 75 Resp: 97843
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#87
1,3-Dichlorobenzene
Concen: 0.209 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX037846.D
Acq: 21 Sep 2023 11:44

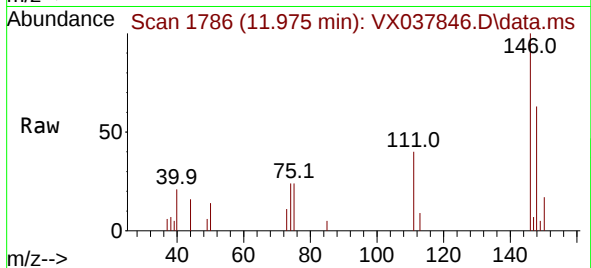
Tgt Ion:146 Resp: 1497
Ion Ratio Lower Upper
146 100
111 40.1 22.1 66.1
148 62.8 31.8 95.3



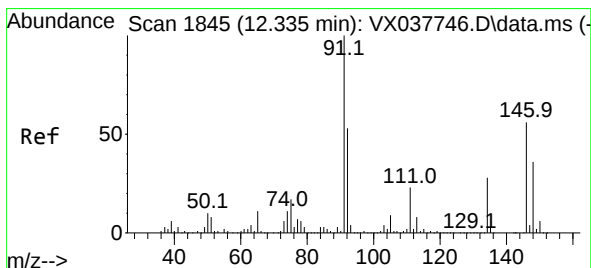
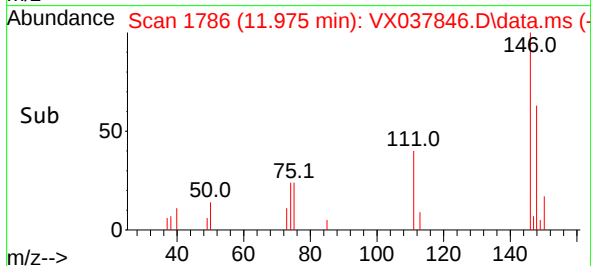
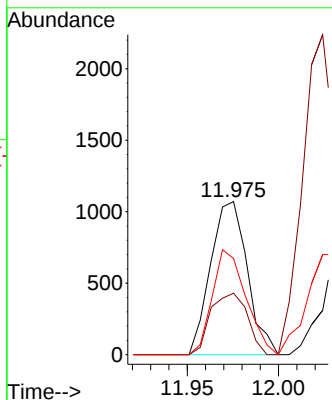


#88
1,4-Dichlorobenzene
Concen: 0.204 ug/l
RT: 11.975 min Scan# 11
Delta R.T. -0.067 min
Lab File: VX037846.D
Acq: 21 Sep 2023 11:44

Instrument :
MSVOA_X
ClientSampleId :

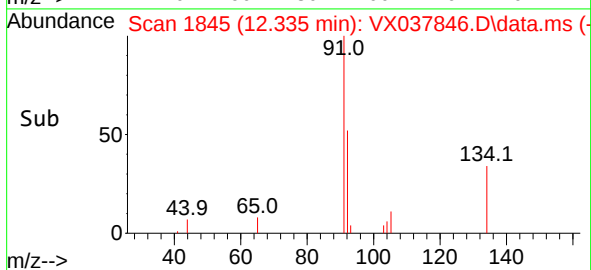
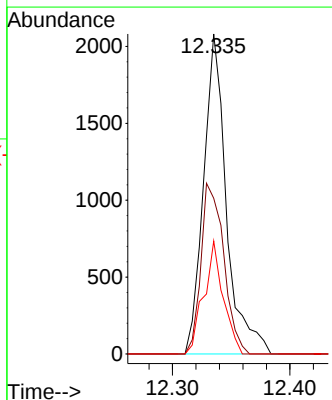
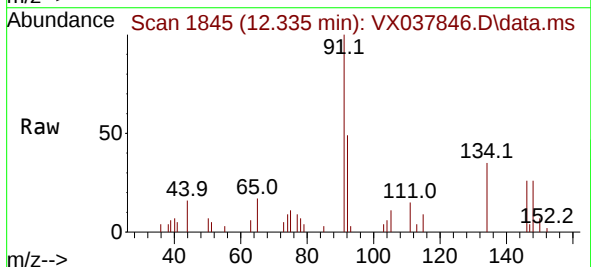


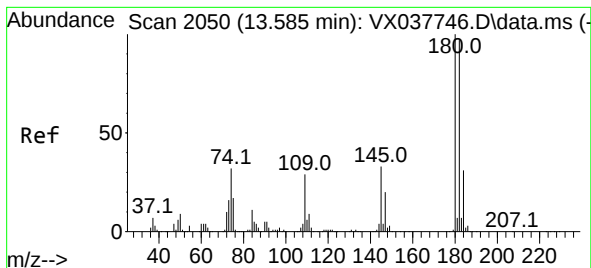
Tgt Ion:146 Resp: 1497
Ion Ratio Lower Upper
146 100
111 40.1 21.3 63.7
148 62.8 31.8 95.4



#89
n-Butylbenzene
Concen: 0.240 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX037846.D
Acq: 21 Sep 2023 11:44

Tgt Ion: 91 Resp: 2819
Ion Ratio Lower Upper
91 100
92 52.9 27.4 82.0
134 29.9 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.464 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. -0.000 min

Lab File: VX037846.D

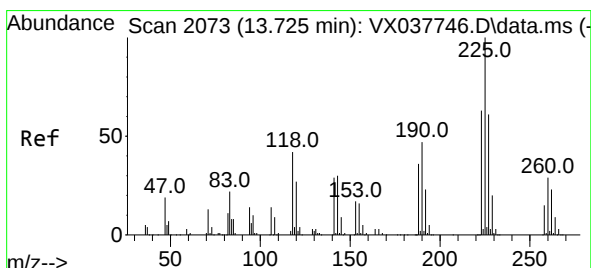
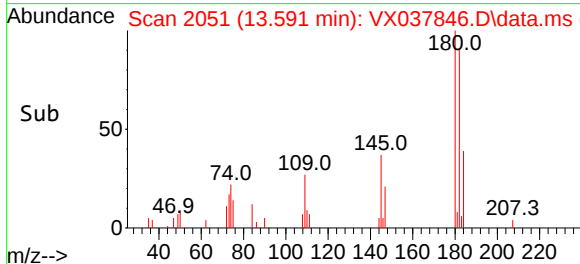
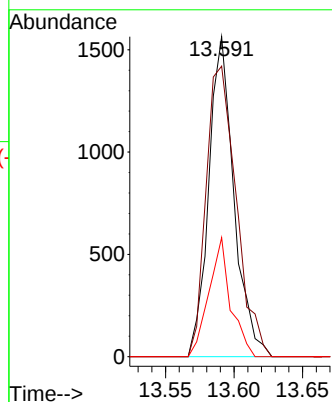
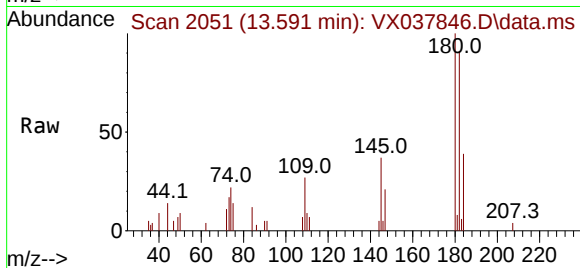
Acq: 21 Sep 2023 11:44

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180	Resp:	1996
Ion	Ratio	Lower Upper
180	100	
182	108.7	48.3 144.8
145	32.3	18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.467 ug/l

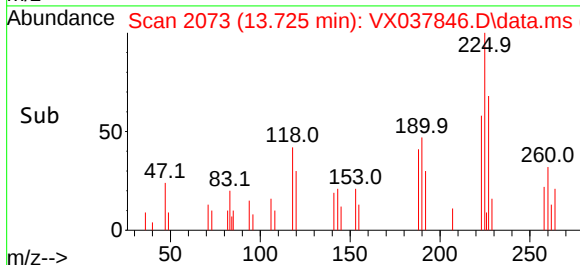
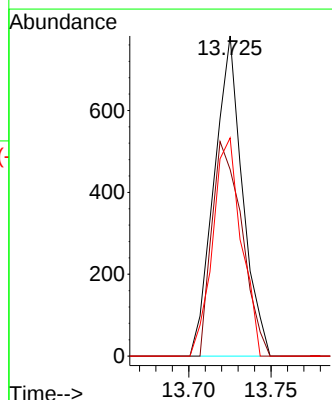
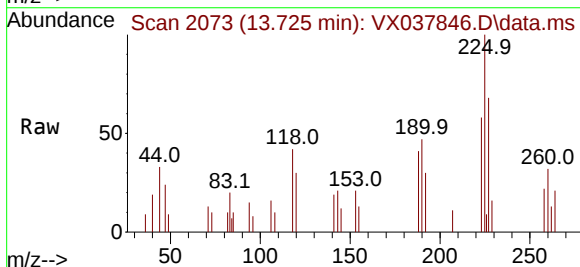
RT: 13.725 min Scan# 2073

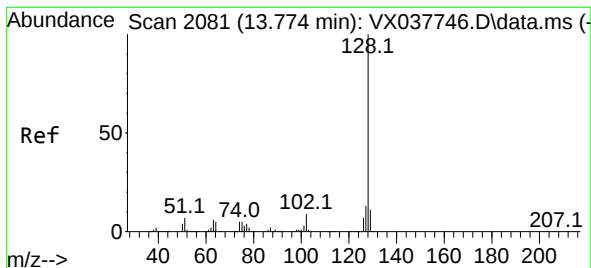
Delta R.T. -0.000 min

Lab File: VX037846.D

Acq: 21 Sep 2023 11:44

Tgt Ion:225	Resp:	938
Ion	Ratio	Lower Upper
225	100	
223	71.3	31.1 93.2
227	68.9	32.5 97.5





#95

Naphthalene

Concen: 0.358 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX037846.D

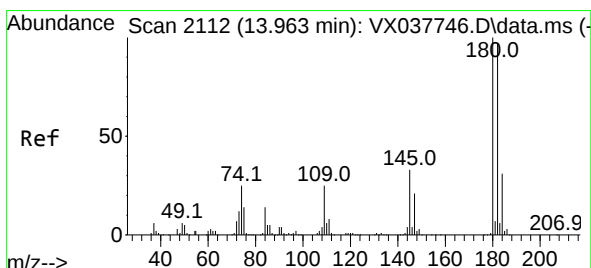
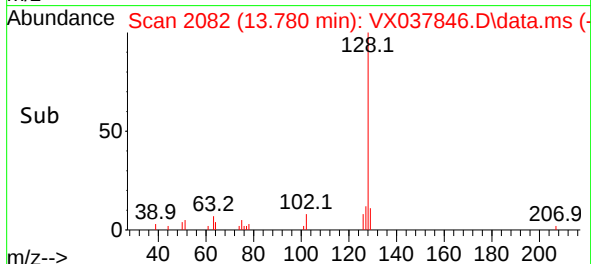
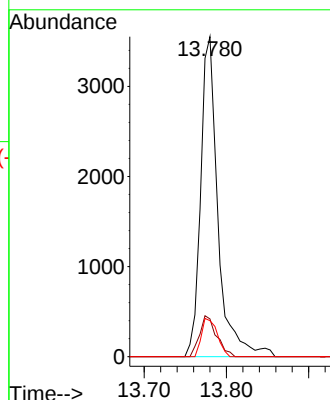
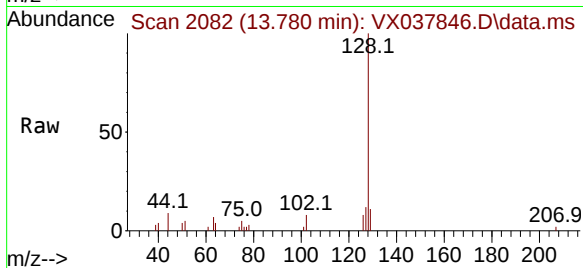
Acq: 21 Sep 2023 11:44

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:128	Resp:	5213
Ion	Ratio	Lower Upper
128	100	
127	12.5	10.3 15.5
129	10.9	8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.454 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX037846.D

Acq: 21 Sep 2023 11:44

Tgt Ion:180	Resp:	2012
Ion	Ratio	Lower Upper
180	100	
182	93.8	46.9 140.6
145	32.1	17.8 53.5

