

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081823\
 Data File : VX037071.D
 Acq On : 18 Aug 2023 09:54
 Operator : JC/MD
 Sample : VX0818MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 19 05:12:40 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)

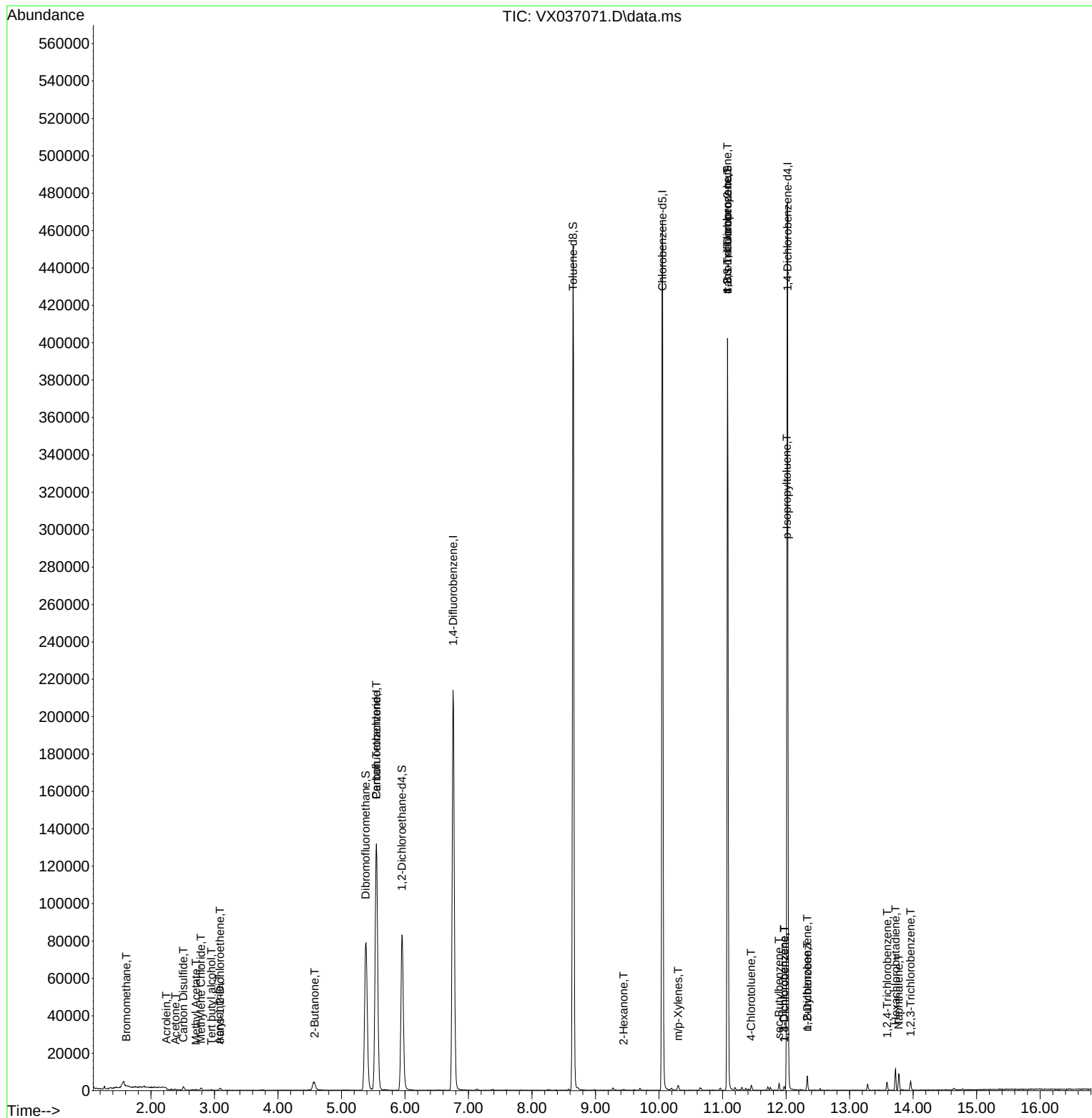
Internal Standards						
1) Pentafluorobenzene	5.550	168	122145	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	223202	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99721	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84340	47.895	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.780%		
35) Dibromofluoromethane	5.379	113	70493	47.688	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.380%		
50) Toluene-d8	8.647	98	266750	49.748	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.500%		
62) 4-Bromofluorobenzene	11.079	95	109316	51.877	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.760%		
Target Compounds					Qvalue	
5) Bromomethane	1.611	94	492	0.731	ug/l	91
11) Tert butyl alcohol	2.953	59	327	0.792	ug/l #	78
13) Acrolein	2.239	56	482	1.534	ug/l #	68
15) Acrylonitrile	3.075	53	426	0.578	ug/l #	81
16) Acetone	2.386	43	716	1.039	ug/l	96
17) Carbon Disulfide	2.508	76	2605	0.815	ug/l #	94
18) Methyl Acetate	2.709	43	542	0.209	ug/l #	88
20) Methylene Chloride	2.788	84	669	0.434	ug/l #	80
21) trans-1,2-Dichloroethene	3.087	96	397	0.278	ug/l #	60
25) 2-Butanone	4.574	43	384	0.370	ug/l #	51
38) Carbon Tetrachloride	5.550	117	13065	5.727	ug/l #	16
59) 2-Hexanone	9.439	43	491	0.311	ug/l	89
68) m/p-Xylenes	10.299	106	787	0.252	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	56739	26.717	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	56739	74.621	ug/l #	5
82) 4-Chlorotoluene	11.451	91	1191	0.200	ug/l	93
85) sec-Butylbenzene	11.890	105	2149	0.319	ug/l	99
86) p-Isopropyltoluene	12.012	119	1834	0.316	ug/l #	85
87) 1,3-Dichlorobenzene	11.969	146	842	0.254	ug/l	96
88) 1,4-Dichlorobenzene	11.969	146	842	0.246	ug/l	97
89) n-Butylbenzene	12.335	91	2839	0.591	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	692	0.213	ug/l	90
93) 1,2,4-Trichlorobenzene	13.591	180	1275	0.671	ug/l	99
94) Hexachlorobutadiene	13.725	225	1602	2.184	ug/l	96
95) Naphthalene	13.774	128	6630	0.797	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	1408	0.746	ug/l	94

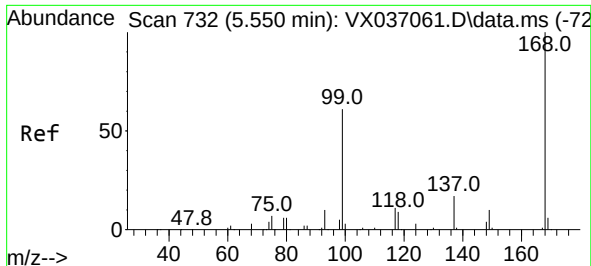
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

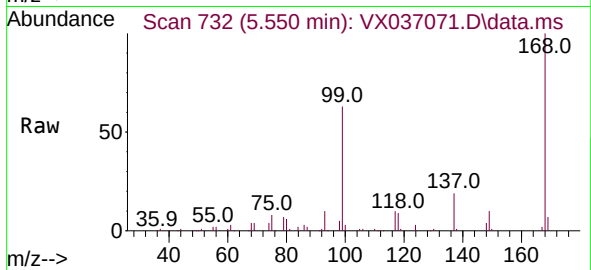
Quant Time: Aug 19 05:12:40 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration



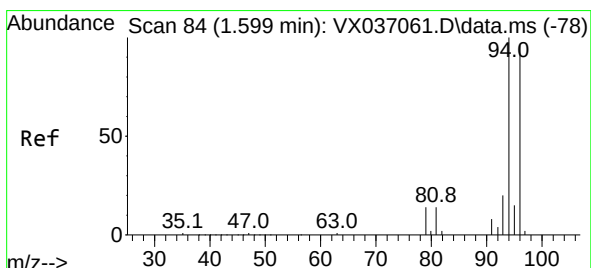
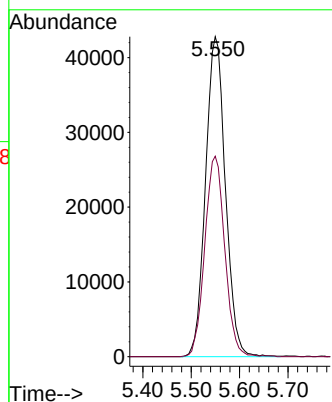
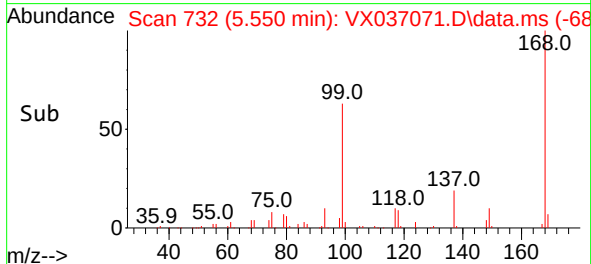


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037071.D
Acq: 18 Aug 2023 09:54

Instrument :
MSVOA_X
ClientSampleId :

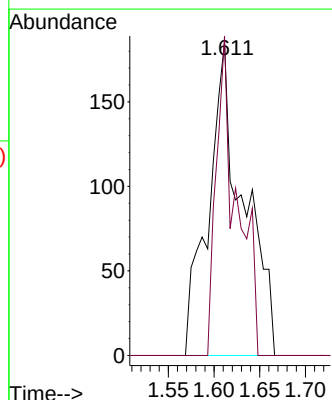
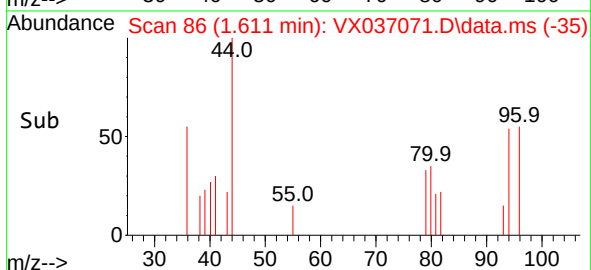
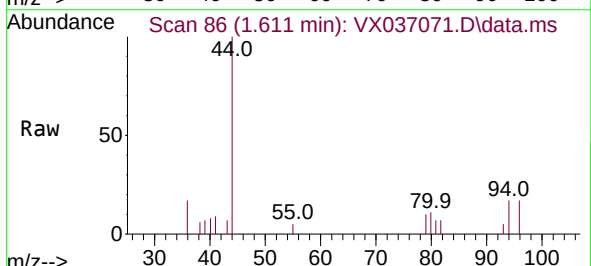


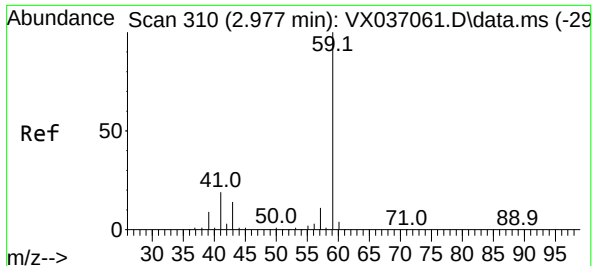
Tgt Ion:168 Resp: 122145
Ion Ratio Lower Upper
168 100
99 62.7 56.6 85.0



#5
Bromomethane
Concen: 0.731 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX037071.D
Acq: 18 Aug 2023 09:54

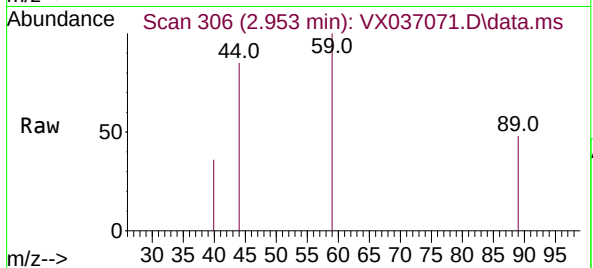
Tgt Ion: 94 Resp: 492
Ion Ratio Lower Upper
94 100
96 102.2 74.6 111.8



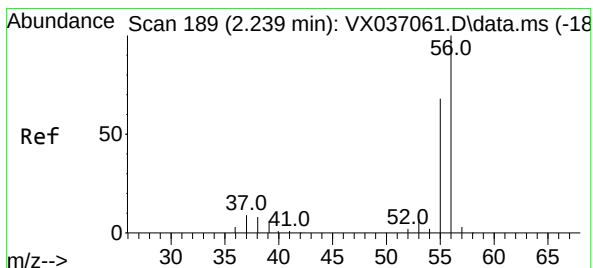
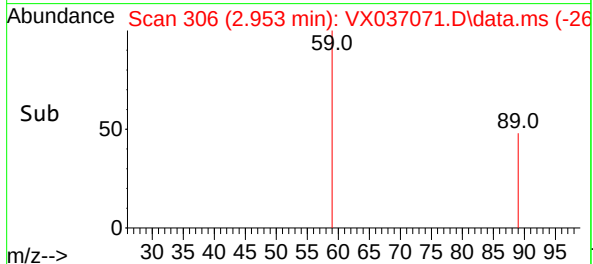
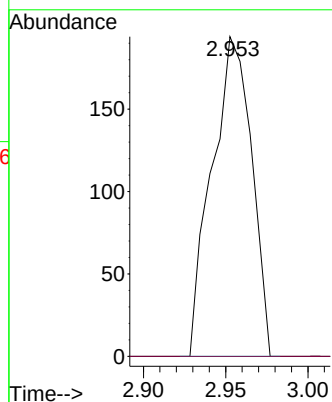


#11
Tert butyl alcohol
Concen: 0.792 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX037071.D
Acq: 18 Aug 2023 09:54

Instrument :
MSVOA_X
ClientSampleId :

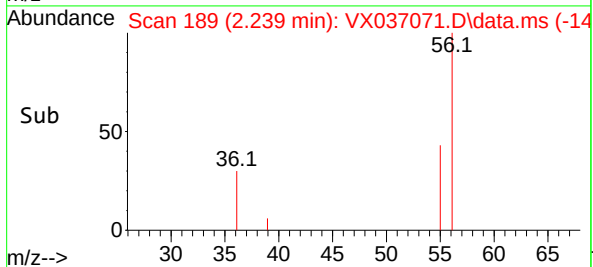
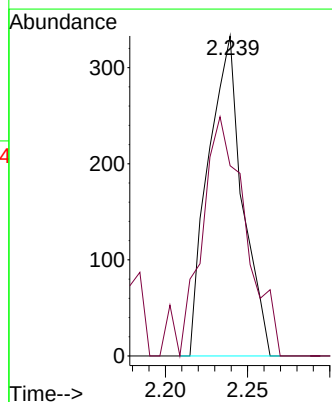
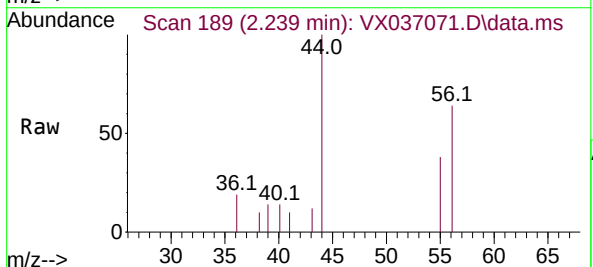


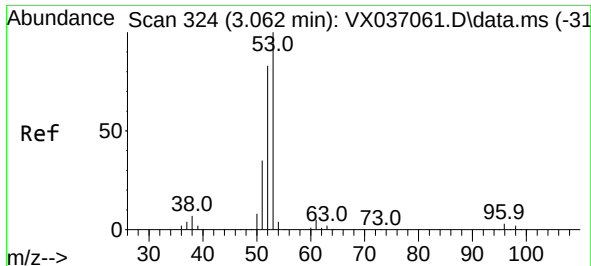
Tgt Ion: 59 Resp: 327
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: 1.534 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX037071.D
Acq: 18 Aug 2023 09:54

Tgt Ion: 56 Resp: 482
Ion Ratio Lower Upper
56 100
55 98.3 57.1 85.7#





#15

Acrylonitrile

Concen: 0.578 ug/l

RT: 3.075 min Scan# 31

Delta R.T. 0.012 min

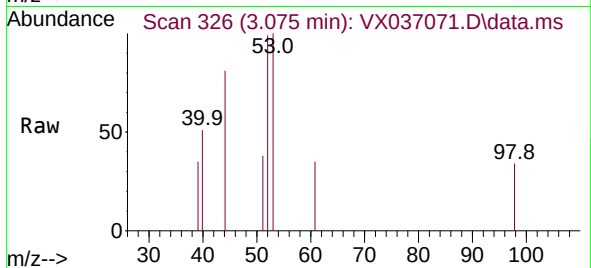
Lab File: VX037071.D

Acq: 18 Aug 2023 09:54

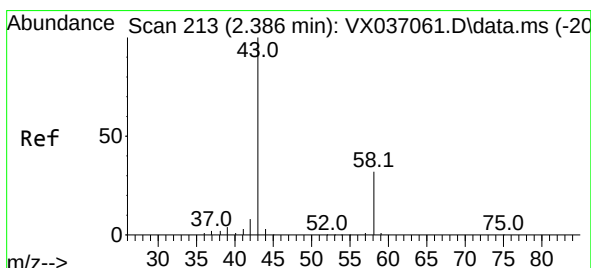
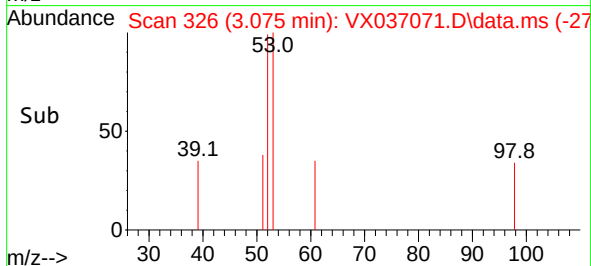
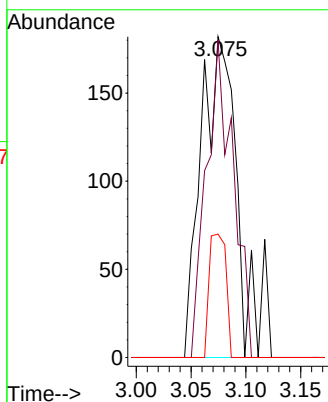
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 53	Resp:	426	
Ion	Ratio	Lower	Upper
53	100		
52	71.6	66.0	99.0
51	17.4	29.8	44.6#



#16

Acetone

Concen: 1.039 ug/l

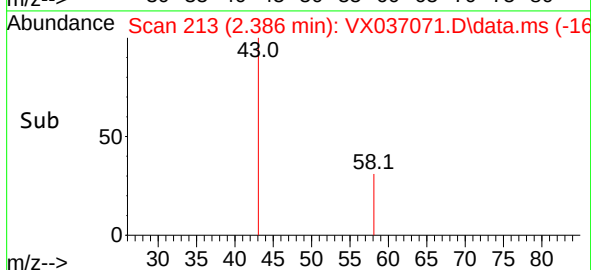
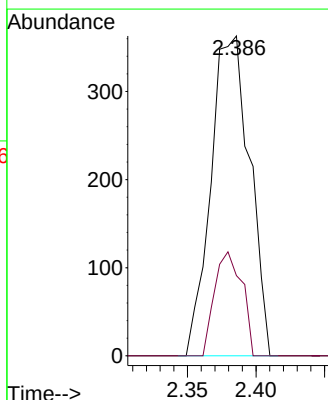
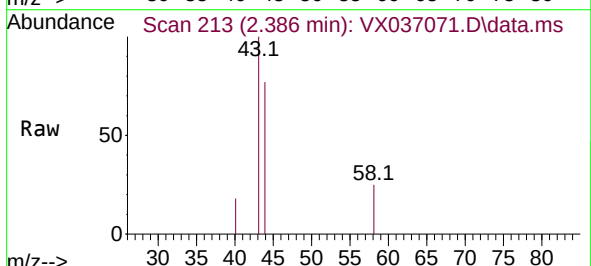
RT: 2.386 min Scan# 213

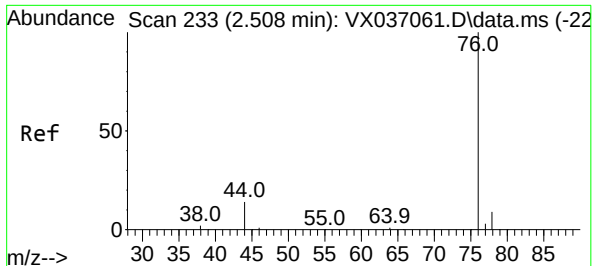
Delta R.T. -0.000 min

Lab File: VX037071.D

Acq: 18 Aug 2023 09:54

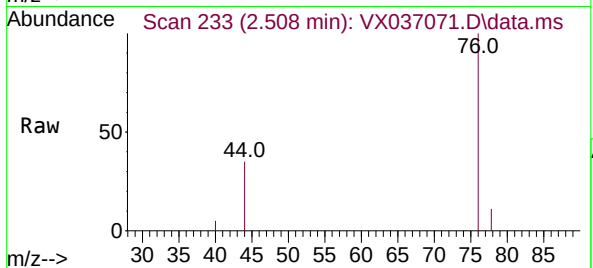
Tgt Ion: 43	Resp:	716	
Ion	Ratio	Lower	Upper
43	100		
58	25.1	21.9	32.9



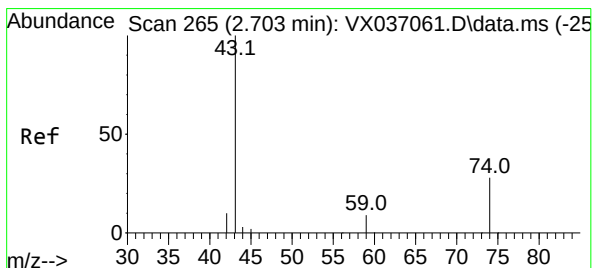
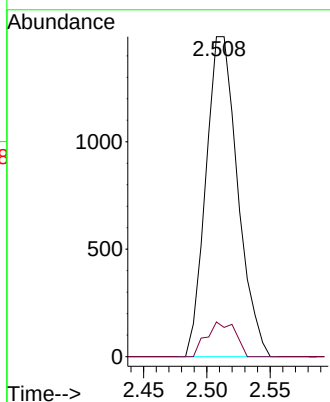
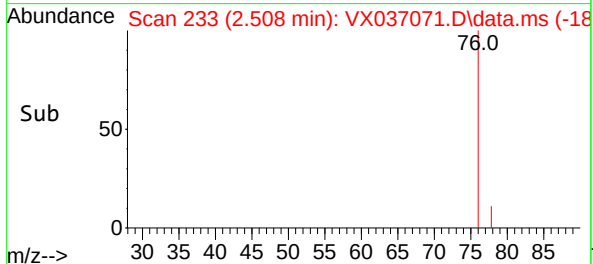


#17
Carbon Disulfide
Concen: 0.815 ug/l
RT: 2.508 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037071.D
Acq: 18 Aug 2023 09:54

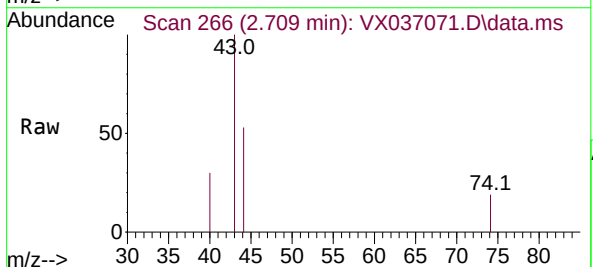
Instrument :
MSVOA_X
ClientSampleId :



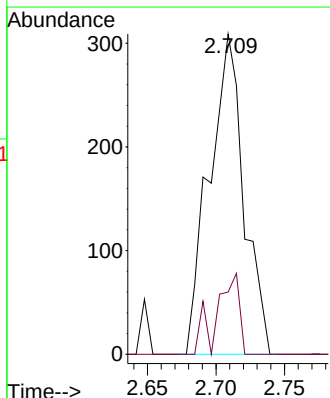
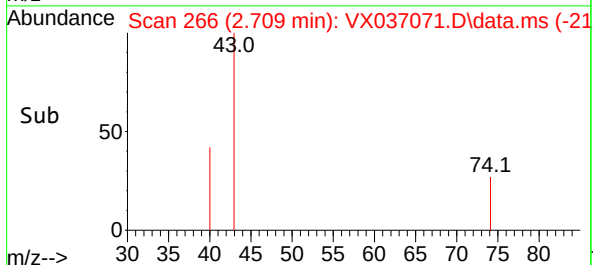
Tgt Ion: 76 Resp: 2605
Ion Ratio Lower Upper
76 100
78 10.8 7.0 10.6#

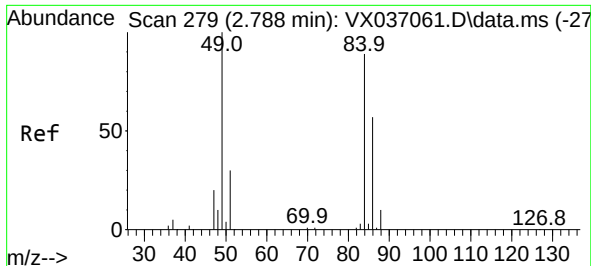


#18
Methyl Acetate
Concen: 0.209 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX037071.D
Acq: 18 Aug 2023 09:54



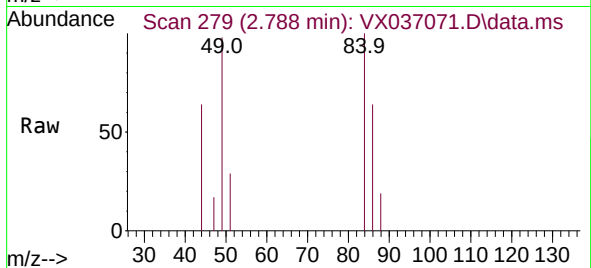
Tgt Ion: 43 Resp: 542
Ion Ratio Lower Upper
43 100
74 16.6 17.8 26.8#



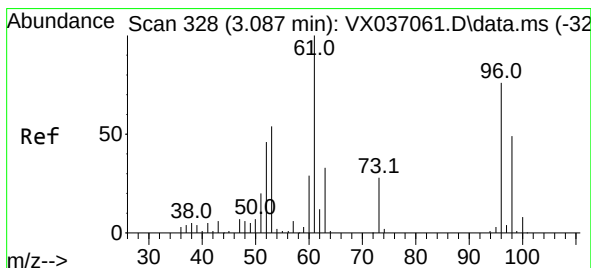
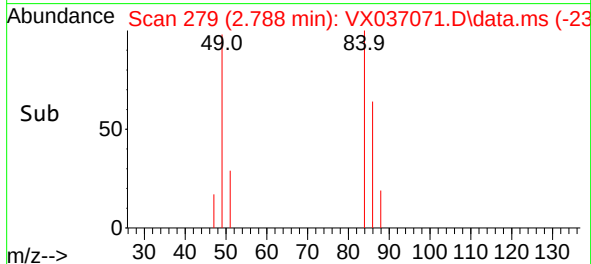
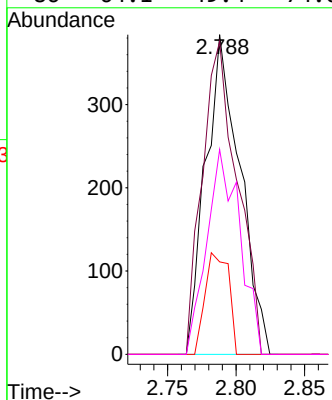


#20
Methylene Chloride
Concen: 0.434 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037071.D
Acq: 18 Aug 2023 09:54

Instrument :
MSVOA_X
ClientSampleId :

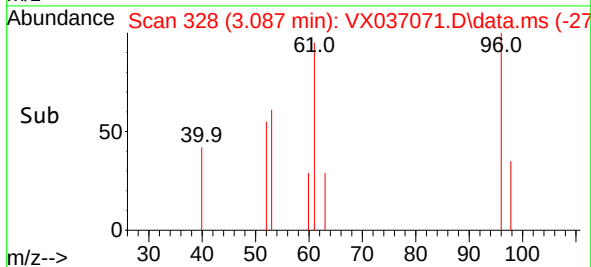
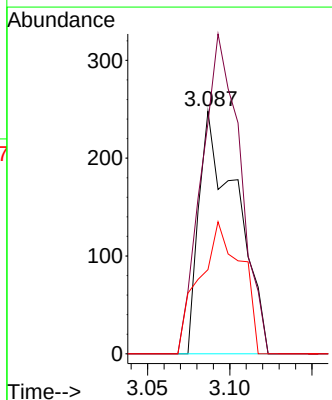
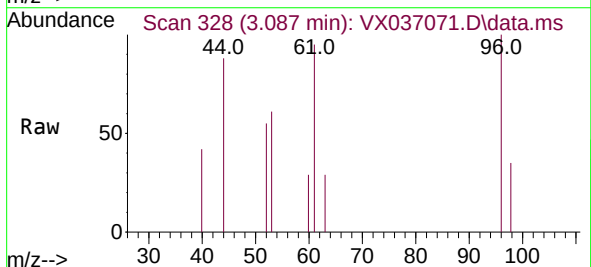


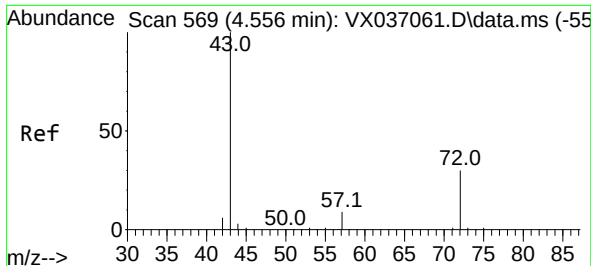
Tgt Ion: 84	Resp: 669
Ion Ratio	Lower Upper
84	100
49	97.9 103.6 155.4#
51	28.9 33.8 50.6#
86	64.1 49.4 74.0



#21
trans-1,2-Dichloroethene
Concen: 0.278 ug/l
RT: 3.087 min Scan# 328
Delta R.T. -0.000 min
Lab File: VX037071.D
Acq: 18 Aug 2023 09:54

Tgt Ion: 96	Resp: 397
Ion Ratio	Lower Upper
96	100
61	95.2 119.2 178.8#
98	34.7 48.7 73.1#





#25

2-Butanone

Concen: 0.370 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX037071.D

Acq: 18 Aug 2023 09:54

Instrument :

MSVOA_X

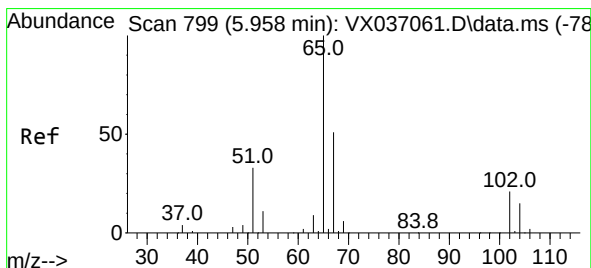
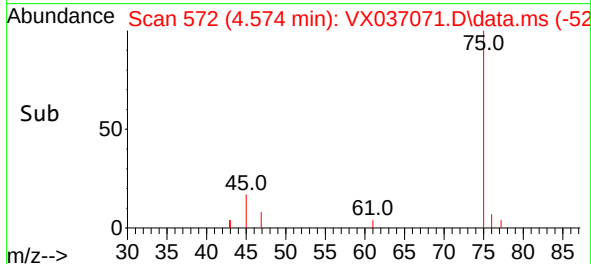
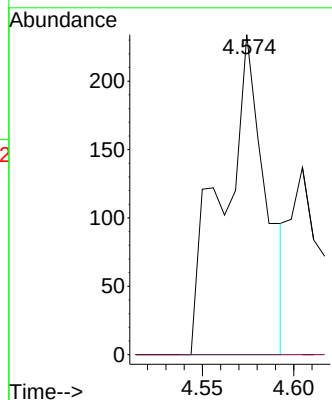
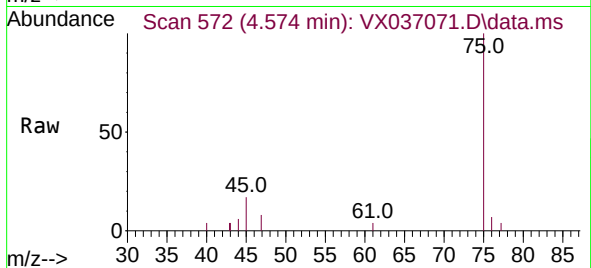
ClientSampleId :

Tgt Ion: 43 Resp: 384

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#



#33

1,2-Dichloroethane-d4

Concen: 47.895 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX037071.D

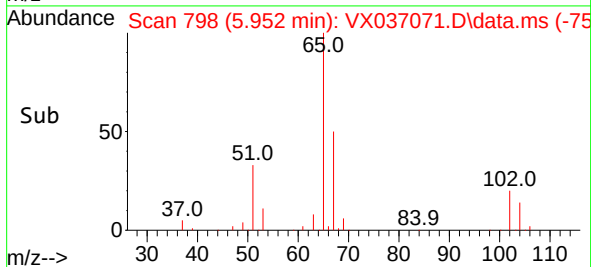
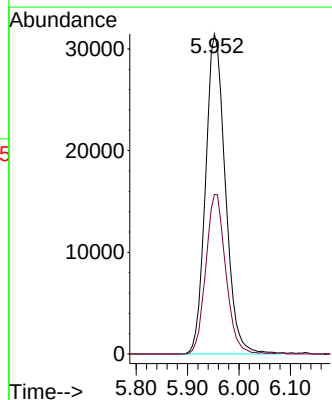
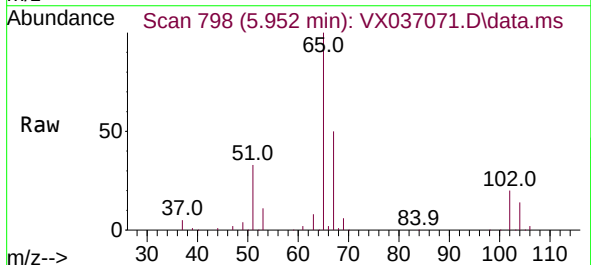
Acq: 18 Aug 2023 09:54

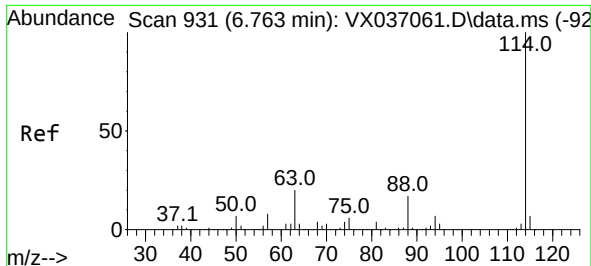
Tgt Ion: 65 Resp: 84340

Ion Ratio Lower Upper

65 100

67 50.1 0.0 100.2

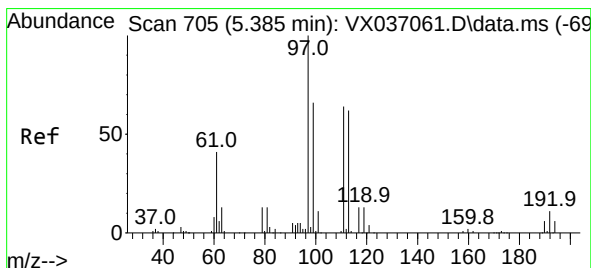
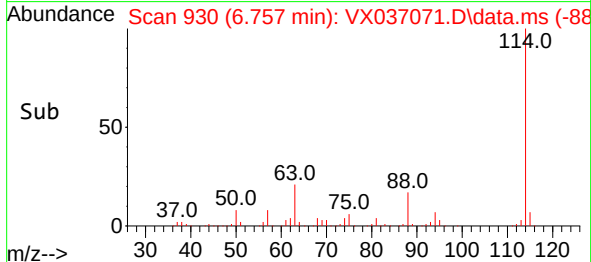
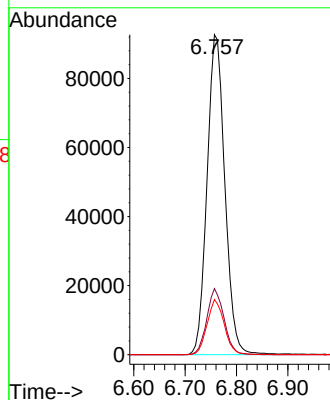
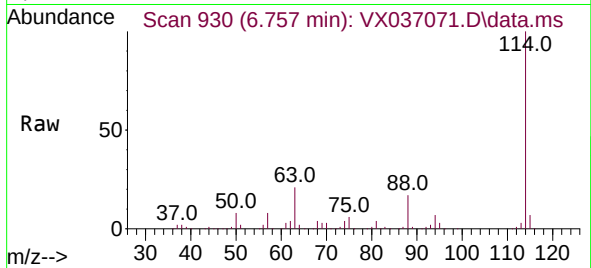




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX037071.D
Acq: 18 Aug 2023 09:54

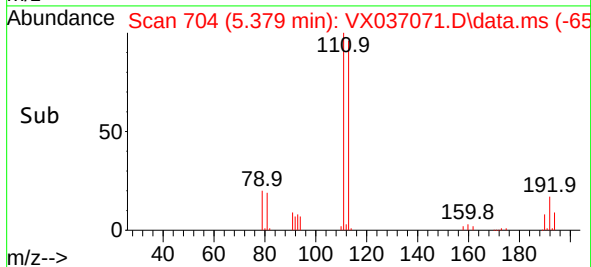
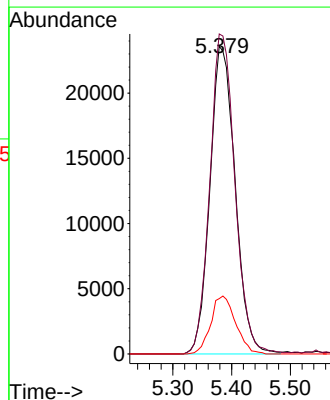
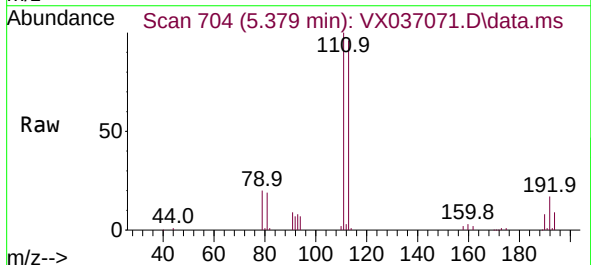
Instrument :
MSVOA_X
ClientSampleId :

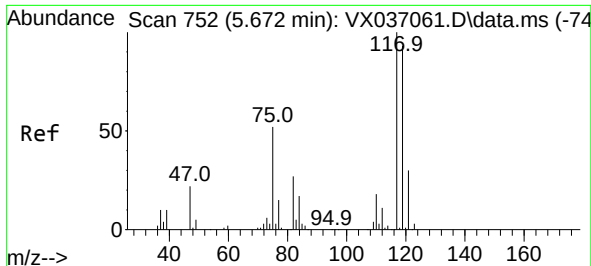
Tgt Ion:114 Resp: 223202
Ion Ratio Lower Upper
114 100
63 20.7 0.0 45.0
88 17.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.688 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX037071.D
Acq: 18 Aug 2023 09:54

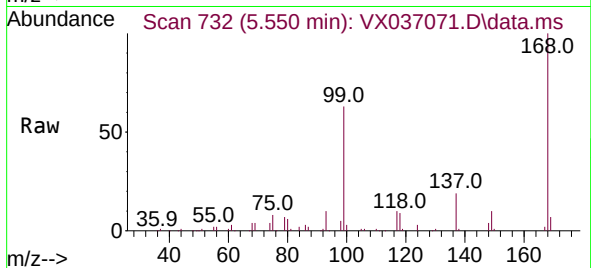
Tgt Ion:113 Resp: 70493
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 18.6 13.3 19.9



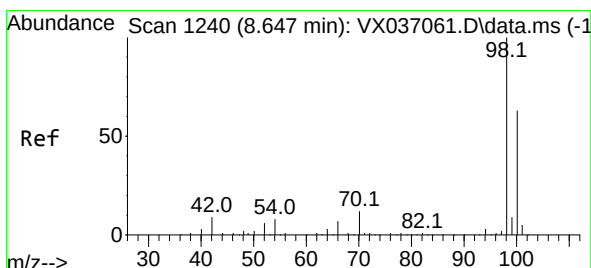
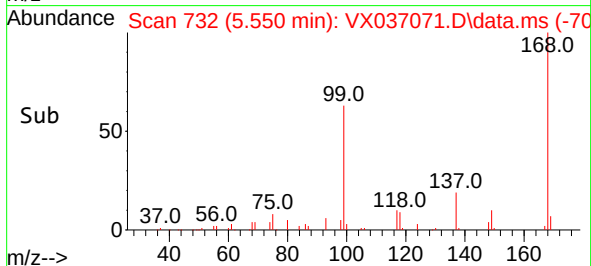
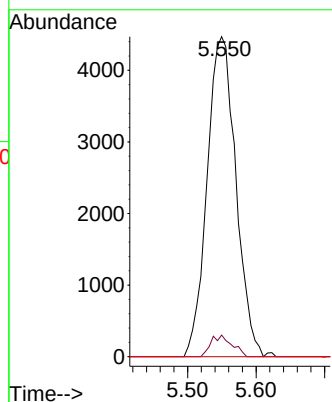


#38
Carbon Tetrachloride
Concen: 5.727 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037071.D
Acq: 18 Aug 2023 09:54

Instrument :
MSVOA_X
ClientSampleId :

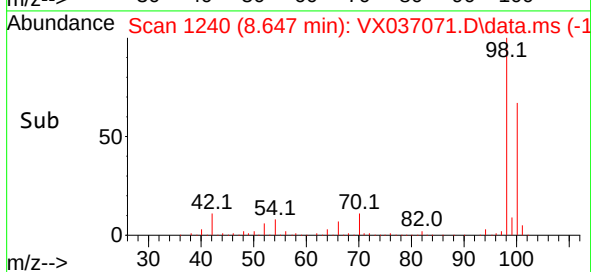
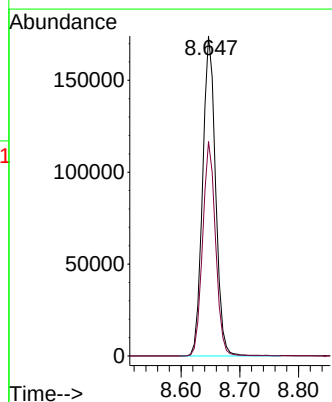
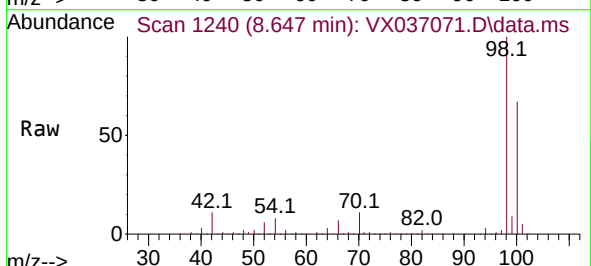


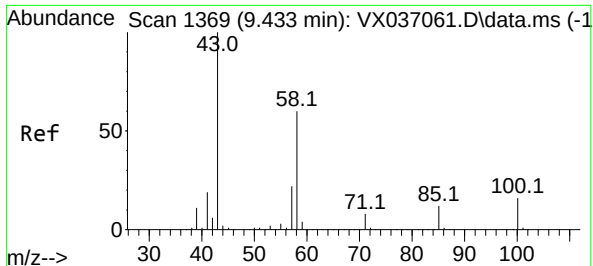
Tgt Ion:117 Resp: 13065
Ion Ratio Lower Upper
117 100
119 6.8 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 49.748 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX037071.D
Acq: 18 Aug 2023 09:54

Tgt Ion: 98 Resp: 266750
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7





#59

2-Hexanone

Concen: 0.311 ug/l

RT: 9.439 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX037071.D

Acq: 18 Aug 2023 09:54

Instrument :

MSVOA_X

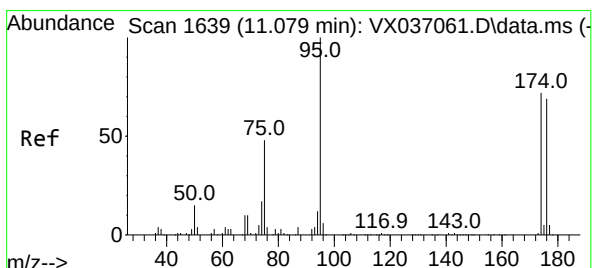
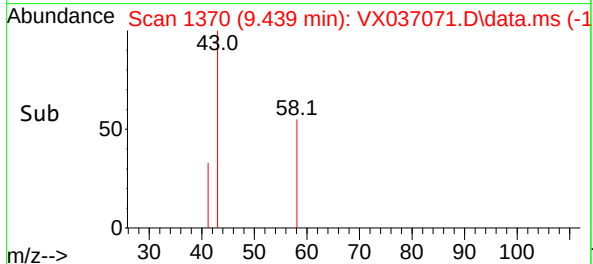
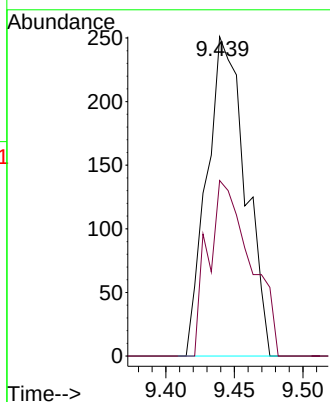
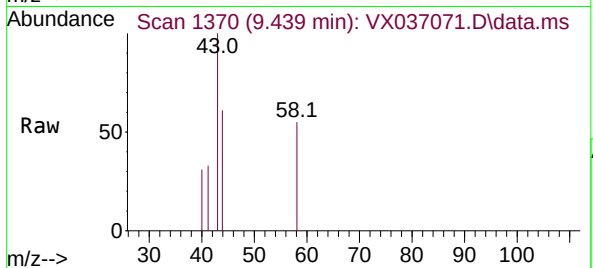
ClientSampleId :

Tgt Ion: 43 Resp: 491

Ion Ratio Lower Upper

43 100

58 60.3 26.2 78.5



#62

4-Bromofluorobenzene

Concen: 51.877 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX037071.D

Acq: 18 Aug 2023 09:54

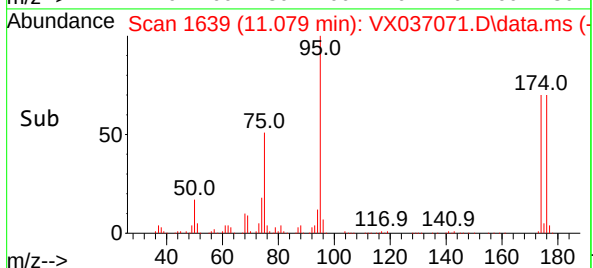
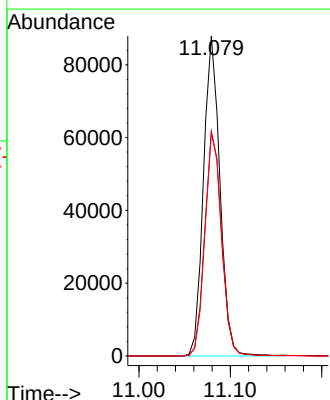
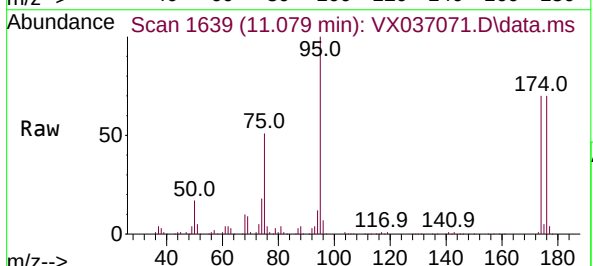
Tgt Ion: 95 Resp: 109316

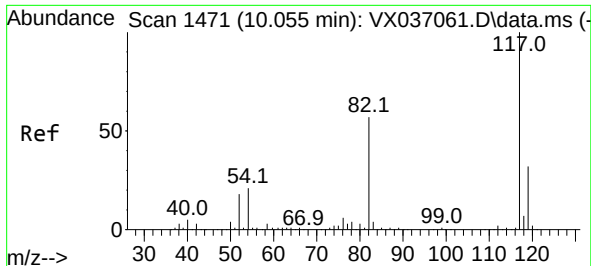
Ion Ratio Lower Upper

95 100

174 71.9 0.0 135.6

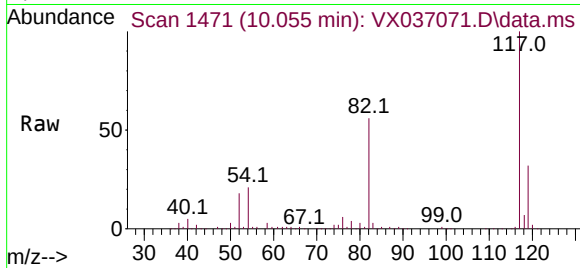
176 71.3 0.0 131.0



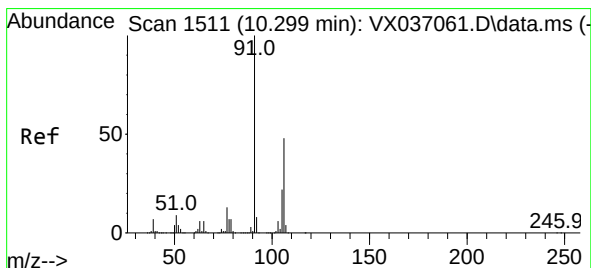
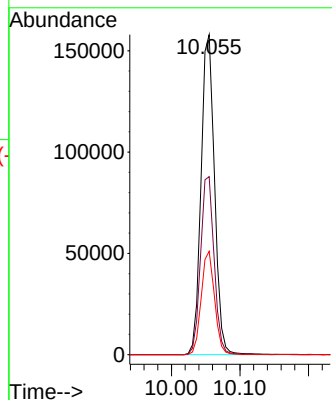
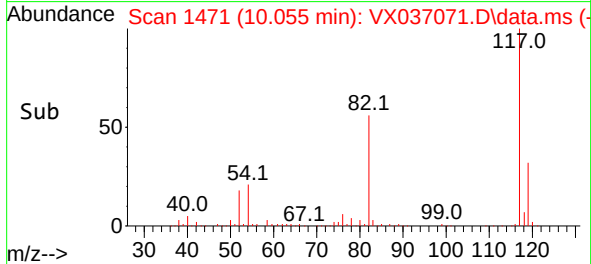


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037071.D
Acq: 18 Aug 2023 09:54

Instrument :
MSVOA_X
ClientSampleId :

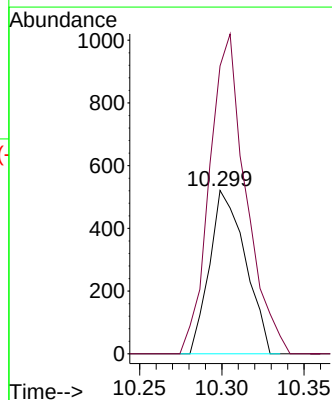
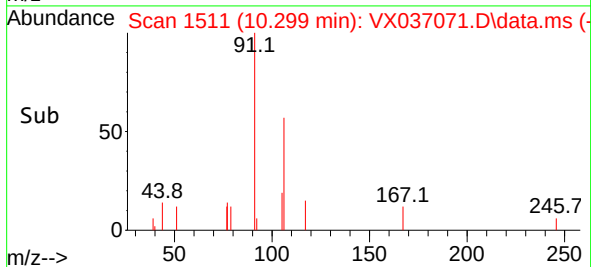
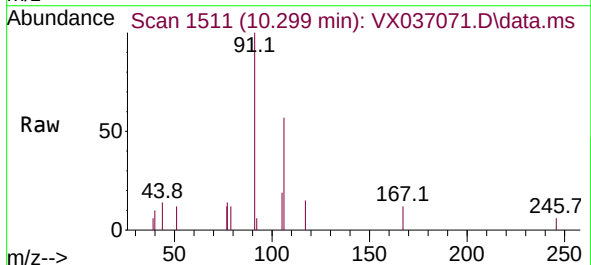


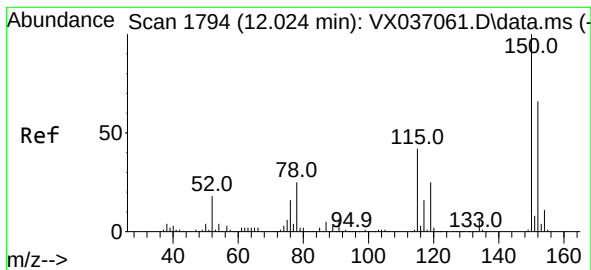
Tgt Ion:117 Resp: 217130
Ion Ratio Lower Upper
117 100
82 55.7 46.2 69.4
119 32.3 25.5 38.3



#68
m/p-Xylenes
Concen: 0.252 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX037071.D
Acq: 18 Aug 2023 09:54

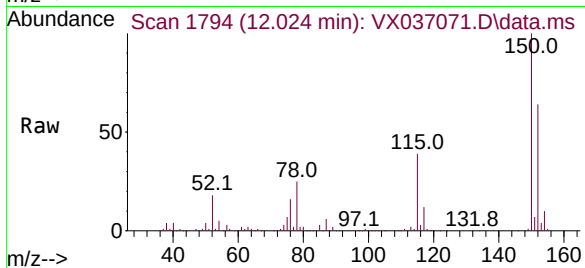
Tgt Ion:106 Resp: 787
Ion Ratio Lower Upper
106 100
91 199.5 165.5 248.3



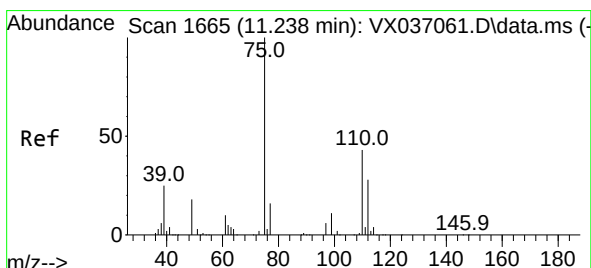
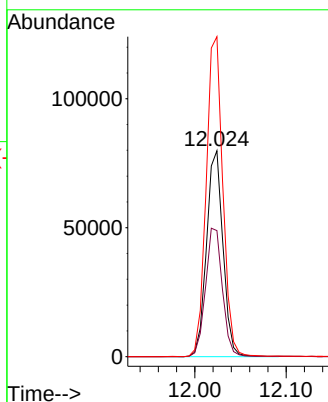
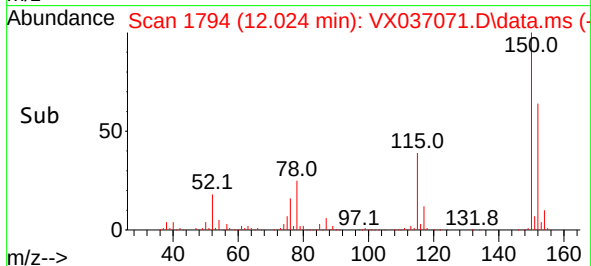


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX037071.D
 Acq: 18 Aug 2023 09:54

Instrument :
 MSVOA_X
 ClientSampleId :

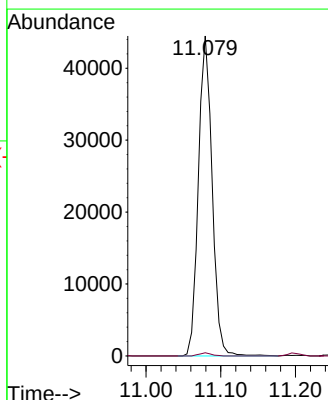
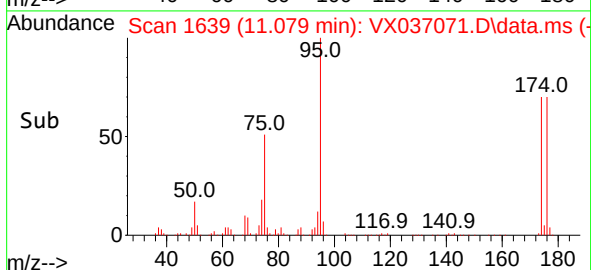
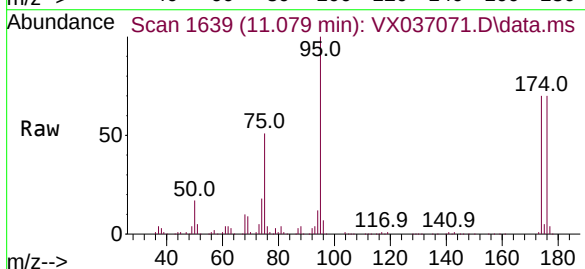


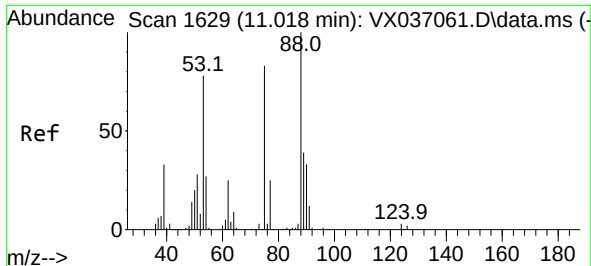
Tgt Ion:152 Resp: 99721
 Ion Ratio Lower Upper
 152 100
 115 64.0 43.3 129.9
 150 157.0 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 26.717 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX037071.D
 Acq: 18 Aug 2023 09:54

Tgt Ion: 75 Resp: 56739
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.1 57.5#

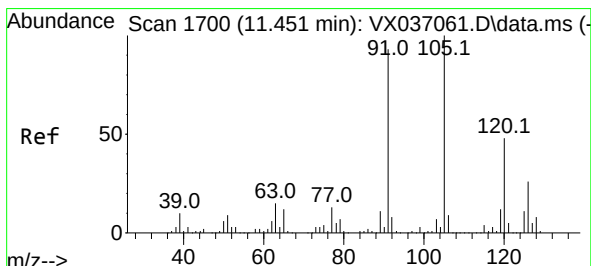
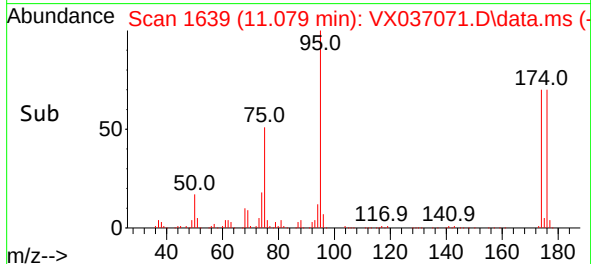
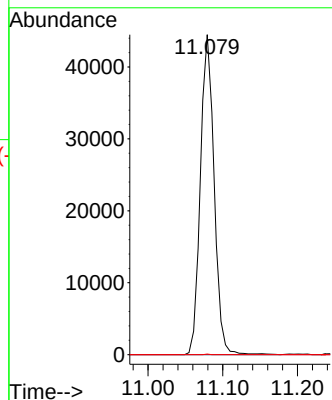
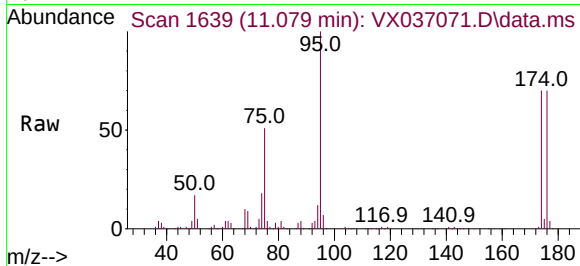




#81
trans-1,4-Dichloro-2-butene
Concen: 74.621 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037071.D
Acq: 18 Aug 2023 09:54

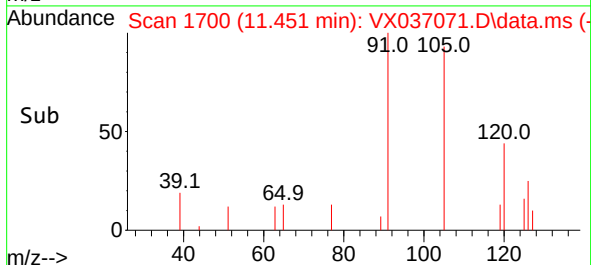
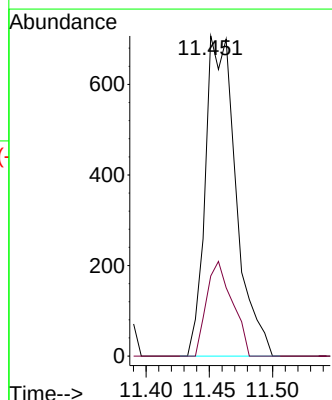
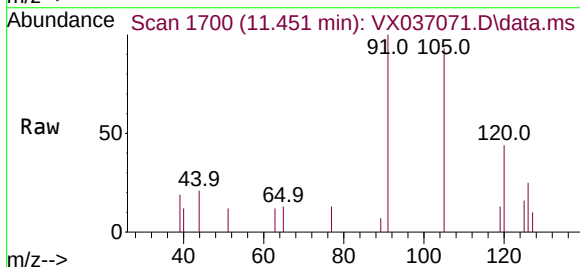
Instrument :
MSVOA_X
ClientSampleId :

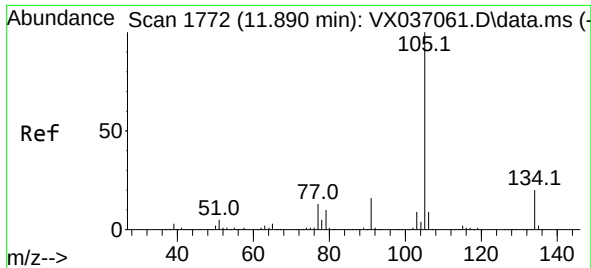
Tgt Ion: 75 Resp: 56739
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#



#82
4-Chlorotoluene
Concen: 0.200 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX037071.D
Acq: 18 Aug 2023 09:54

Tgt Ion: 91 Resp: 1191
Ion Ratio Lower Upper
91 100
126 24.9 14.2 42.6

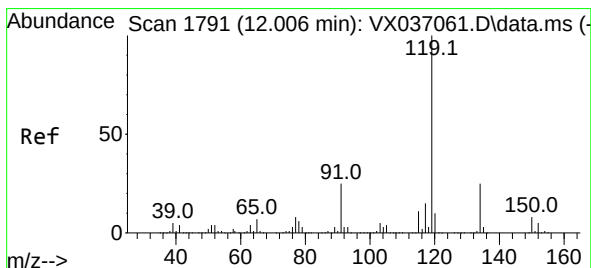
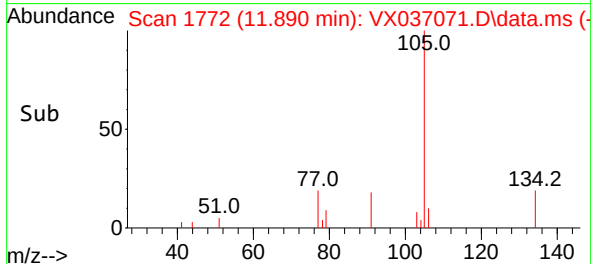
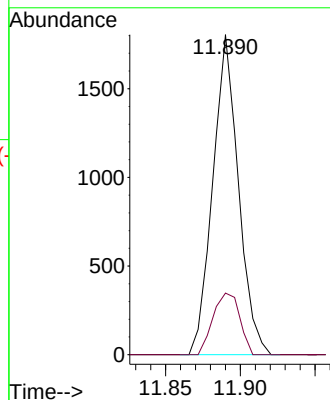
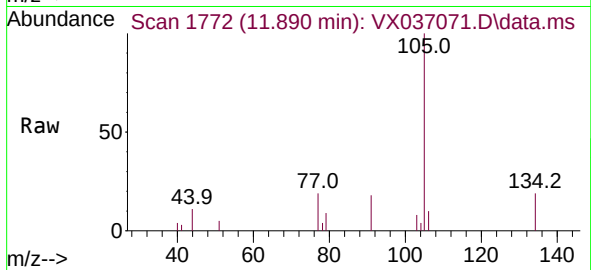




#85
 sec-Butylbenzene
 Concen: 0.319 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX037071.D
 Acq: 18 Aug 2023 09:54

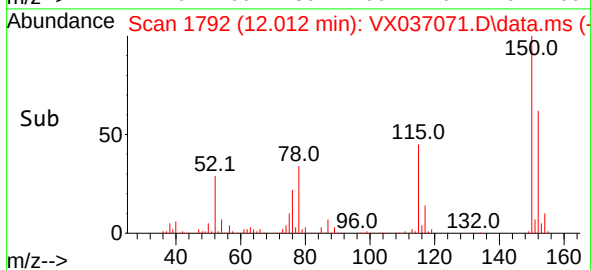
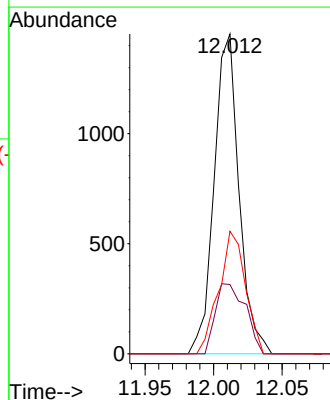
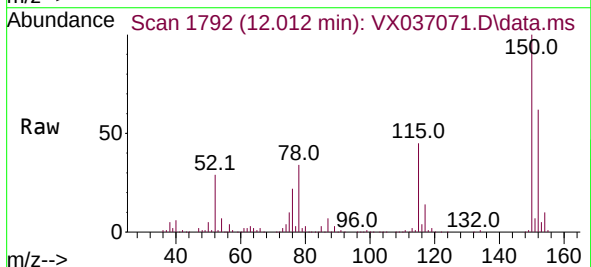
Instrument :
 MSVOA_X
 ClientSampleId :

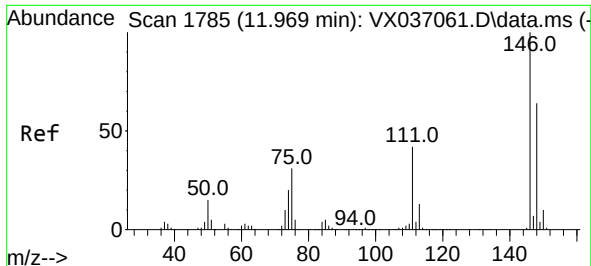
Tgt Ion:105 Resp: 2149
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 0.316 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.006 min
 Lab File: VX037071.D
 Acq: 18 Aug 2023 09:54

Tgt Ion:119 Resp: 1834
 Ion Ratio Lower Upper
 119 100
 134 26.4 12.8 38.3
 91 40.9 13.1 39.3#





#87

1,3-Dichlorobenzene

Concen: 0.254 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX037071.D

Acq: 18 Aug 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

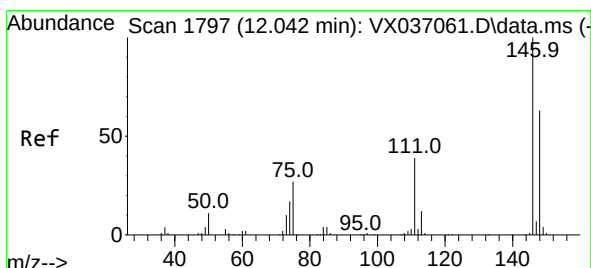
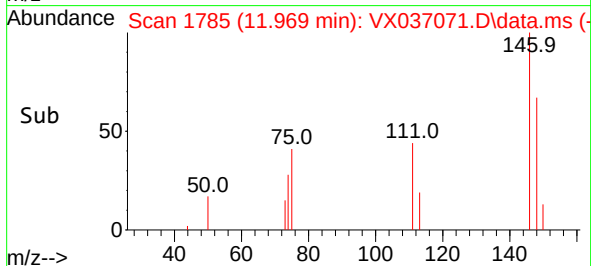
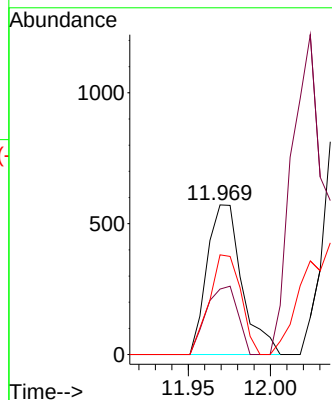
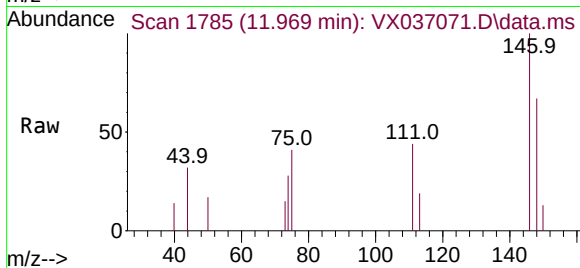
Tgt Ion:146 Resp: 842

Ion Ratio Lower Upper

146 100

111 41.1 22.1 66.1

148 60.5 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.246 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.073 min

Lab File: VX037071.D

Acq: 18 Aug 2023 09:54

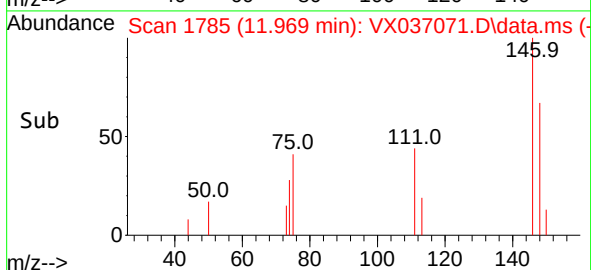
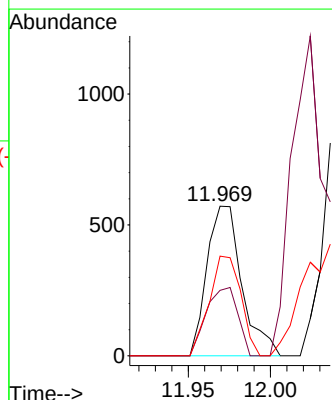
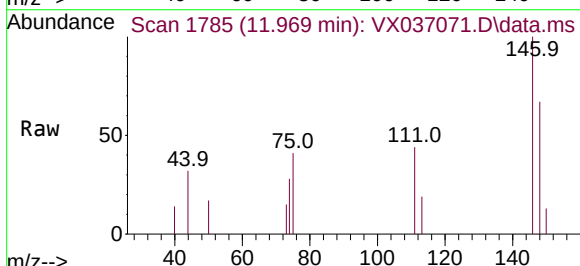
Tgt Ion:146 Resp: 842

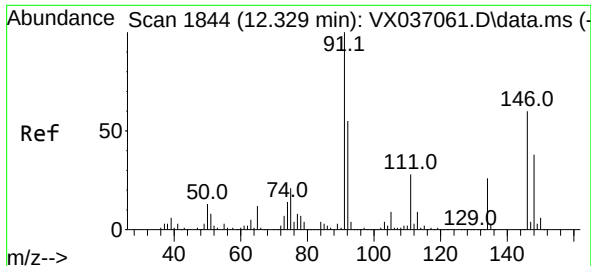
Ion Ratio Lower Upper

146 100

111 41.1 21.3 63.7

148 60.5 31.8 95.4





#89

n-Butylbenzene

Concen: 0.591 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX037071.D

Acq: 18 Aug 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

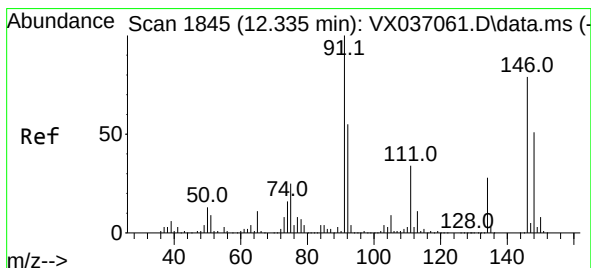
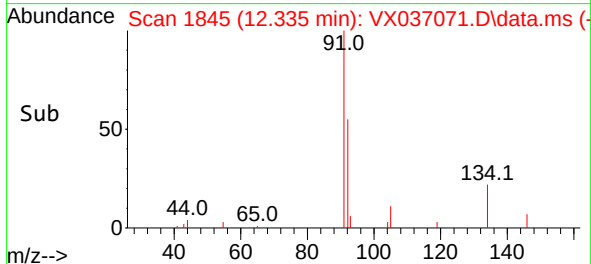
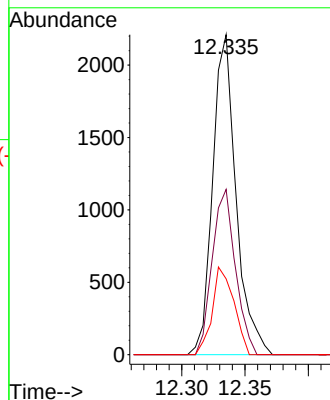
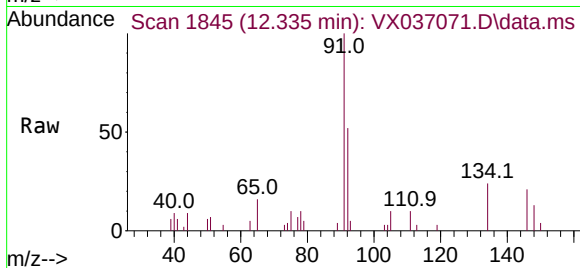
Tgt Ion: 91 Resp: 2839

Ion Ratio Lower Upper

91 100

92 51.3 27.4 82.0

134 25.3 12.6 37.8



#91

1,2-Dichlorobenzene

Concen: 0.213 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX037071.D

Acq: 18 Aug 2023 09:54

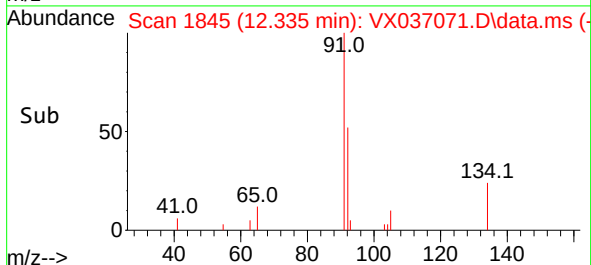
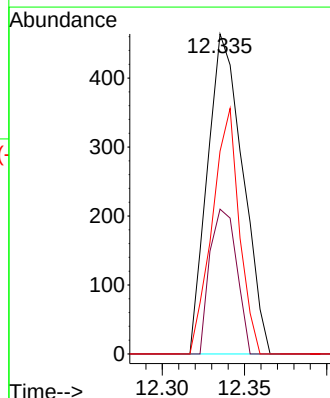
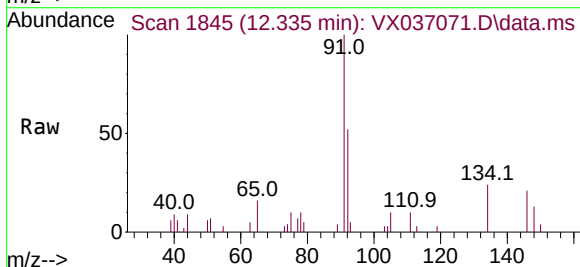
Tgt Ion:146 Resp: 692

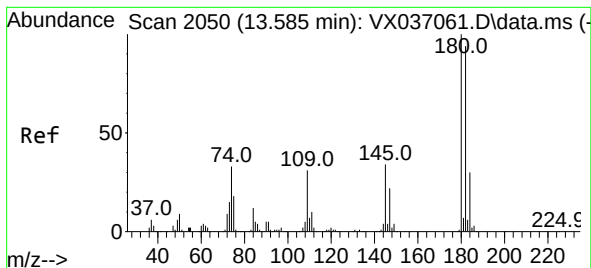
Ion Ratio Lower Upper

146 100

111 34.4 22.4 67.0

148 58.8 31.6 95.0





#93

1,2,4-Trichlorobenzene

Concen: 0.671 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX037071.D

Acq: 18 Aug 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

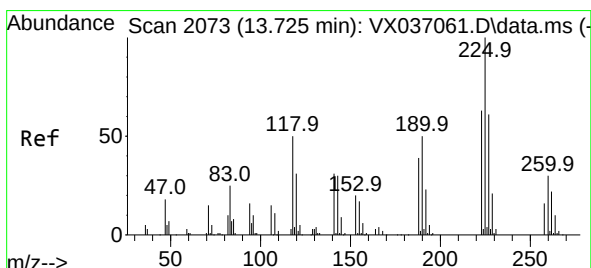
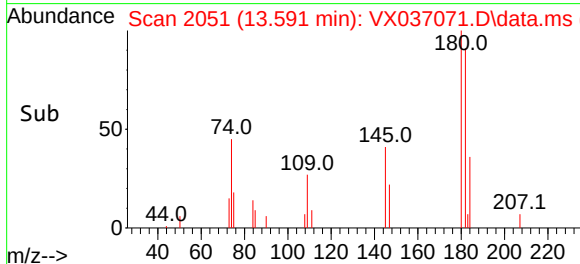
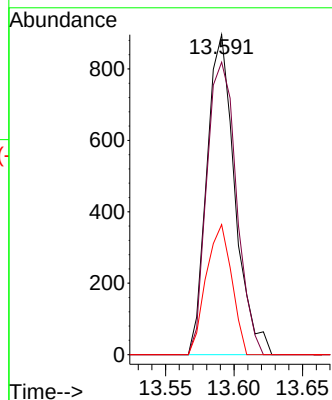
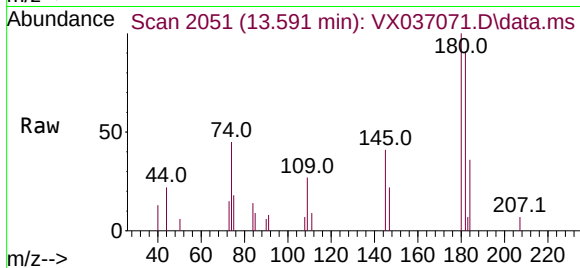
Tgt Ion:180 Resp: 1275

Ion Ratio Lower Upper

180 100

182 96.7 48.3 144.8

145 36.9 18.0 54.0



#94

Hexachlorobutadiene

Concen: 2.184 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX037071.D

Acq: 18 Aug 2023 09:54

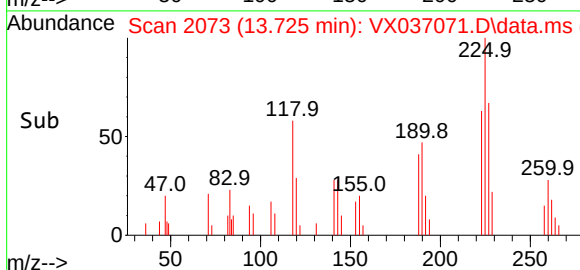
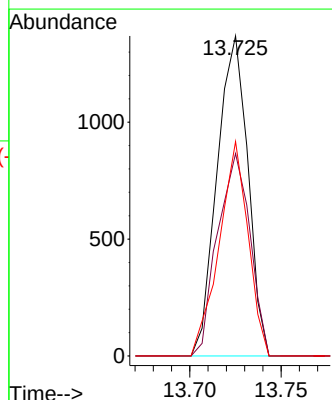
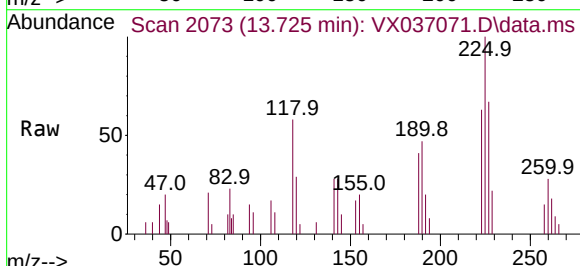
Tgt Ion:225 Resp: 1602

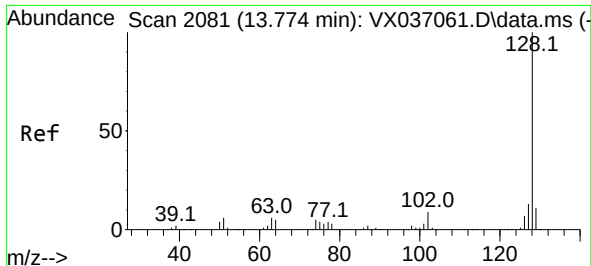
Ion Ratio Lower Upper

225 100

223 66.8 31.1 93.2

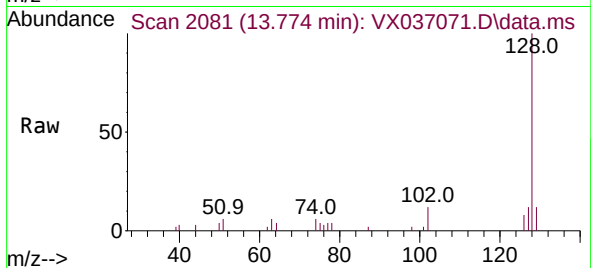
227 63.1 32.5 97.5



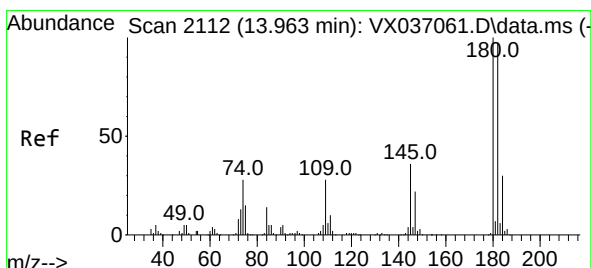
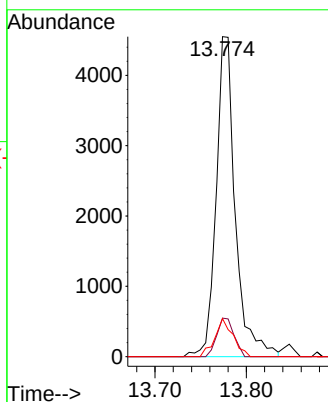
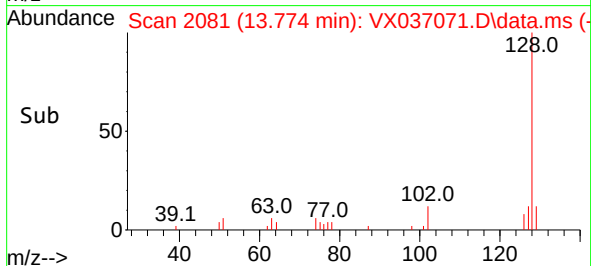


#95
Naphthalene
Concen: 0.797 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX037071.D
Acq: 18 Aug 2023 09:54

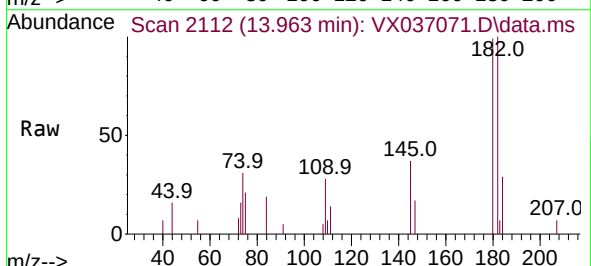
Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	6630
Ion	Ratio	Lower	Upper
128	100		
127	10.8	10.3	15.5
129	11.2	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.746 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX037071.D
Acq: 18 Aug 2023 09:54



Tgt Ion:	180	Resp:	1408
Ion	Ratio	Lower	Upper
180	100		
182	101.3	46.9	140.6
145	35.4	17.8	53.5

