

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092923\
 Data File : VX037965.D
 Acq On : 29 Sep 2023 11:04
 Operator : JC/MD
 Sample : VX0929WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0929WBL01

Quant Time: Sep 29 23:00:21 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

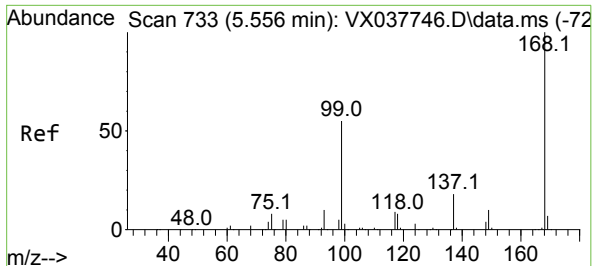
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	253829	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	436524	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	428630	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	230941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	161004	48.278	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.560%		
35) Dibromofluoromethane	5.385	113	139007	47.592	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.180%		
50) Toluene-d8	8.647	98	526952	48.555	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.120%		
62) 4-Bromofluorobenzene	11.079	95	206715	52.417	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.840%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.940	59	421	0.588	ug/l	# 78
13) Acrolein	2.227	56	332	0.469	ug/l	# 51
16) Acetone	2.380	43	1192	0.743	ug/l	# 77
17) Carbon Disulfide	2.508	76	2039	0.328	ug/l	98
20) Methylene Chloride	2.800	84	1285	0.408	ug/l	# 70
25) 2-Butanone	4.574	43	502	0.222	ug/l	# 51
36) 1,1-Dichloropropene	5.702	75	1053	0.262	ug/l	# 69
38) Carbon Tetrachloride	5.556	117	25427	6.040	ug/l	# 17
44) Trichloroethene	7.129	130	805	0.234	ug/l	65
64) Tetrachloroethene	9.275	164	892	0.305	ug/l	# 75
68) m/p-Xylenes	10.305	106	2805	0.453	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	104829	19.626	ug/l	# 39
78) n-propylbenzene	11.305	91	4650	0.243	ug/l	94
79) 2-Chlorotoluene	11.366	91	2608	0.221	ug/l	92
81) trans-1,4-Dichloro-2-b...	11.079	75	104829	62.868	ug/l	# 5
82) 4-Chlorotoluene	11.457	91	3673	0.277	ug/l	93
84) 1,2,4-Trimethylbenzene	11.756	105	3254	0.229	ug/l	97
85) sec-Butylbenzene	11.890	105	3854	0.220	ug/l	99
86) p-Isopropyltoluene	12.012	119	3831	0.262	ug/l	# 83
87) 1,3-Dichlorobenzene	11.969	146	3009	0.385	ug/l	95
88) 1,4-Dichlorobenzene	11.969	146	3009	0.376	ug/l	96
89) n-Butylbenzene	12.335	91	4868	0.380	ug/l	96
91) 1,2-Dichlorobenzene	12.341	146	1832	0.230	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	3324	0.707	ug/l	92
94) Hexachlorobutadiene	13.725	225	1092	0.497	ug/l	96
95) Naphthalene	13.780	128	4710	0.296	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	2496	0.516	ug/l	95

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

Quant Time: Sep 29 23:00:21 2023
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QLast Update : Sat Sep 16 04:55:44 2023
Response via : Initial Calibration

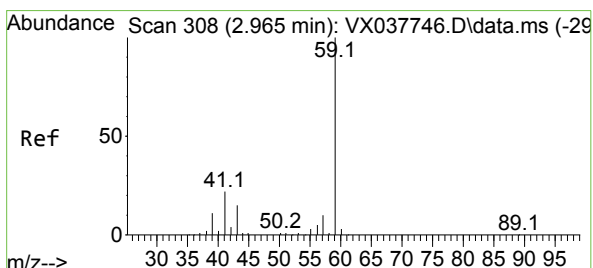
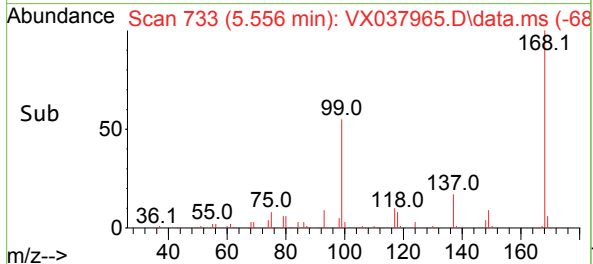
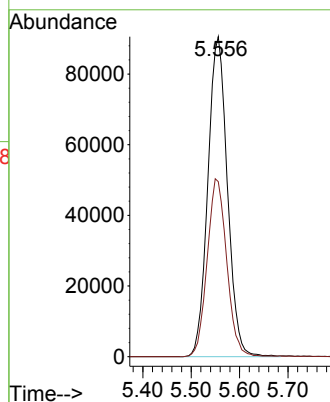
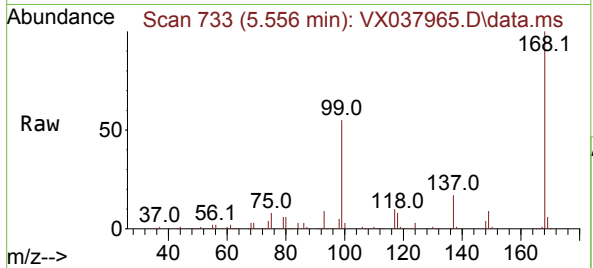




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037965.D
Acq: 29 Sep 2023 11:04

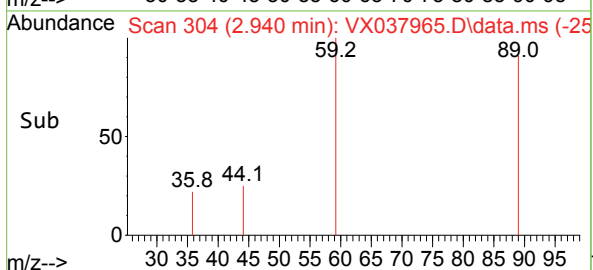
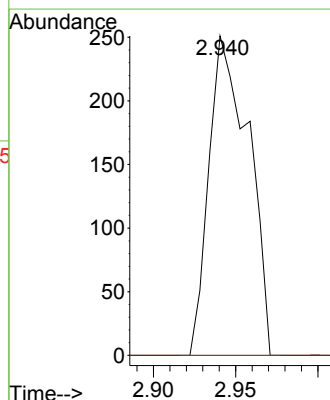
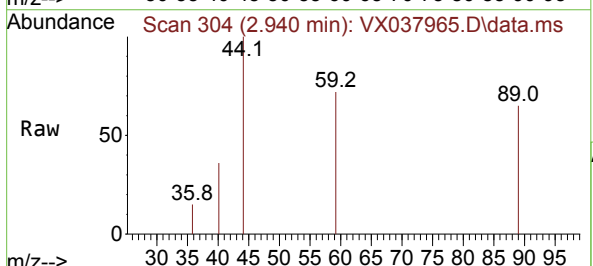
Instrument :
MSVOA_X
ClientSampleId :
VX0929WBL01

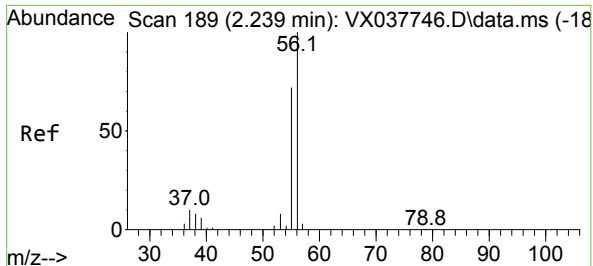
Tgt Ion:168 Resp: 253829
Ion Ratio Lower Upper
168 100
99 54.7 56.6 85.0#



#11
Tert butyl alcohol
Concen: 0.588 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.024 min
Lab File: VX037965.D
Acq: 29 Sep 2023 11:04

Tgt Ion: 59 Resp: 421
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.469 ug/l

RT: 2.227 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX037965.D

Acq: 29 Sep 2023 11:04

Instrument :

MSVOA_X

ClientSampleId :

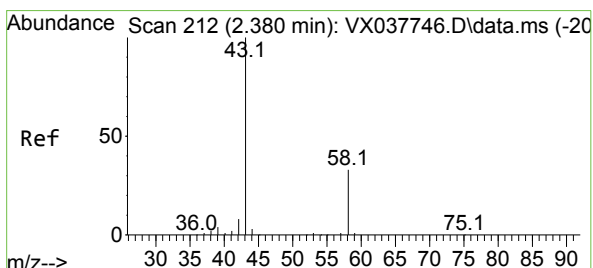
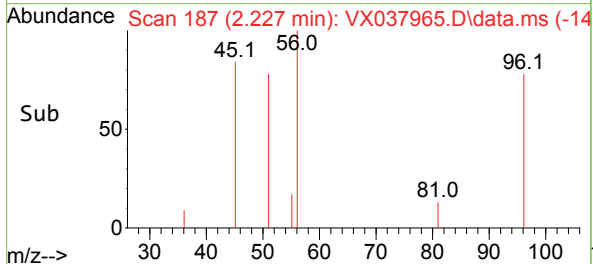
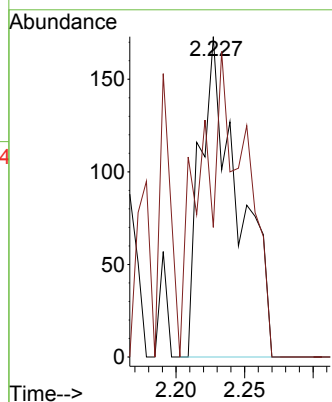
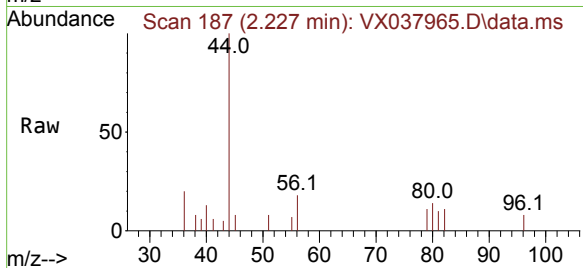
VX0929WBL01

Tgt Ion: 56 Resp: 332

Ion Ratio Lower Upper

56 100

55 112.0 57.1 85.7#



#16

Acetone

Concen: 0.743 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX037965.D

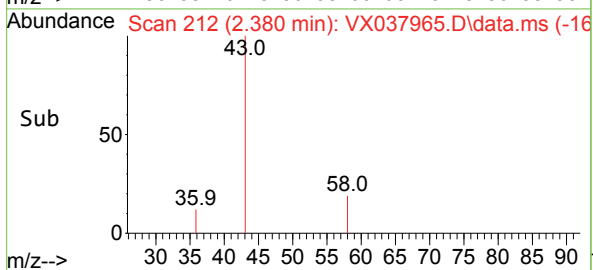
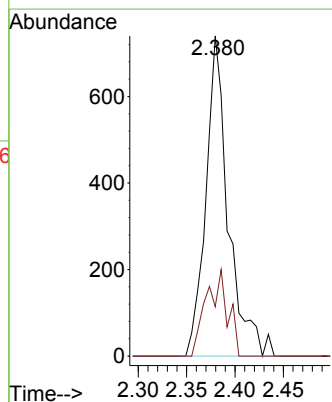
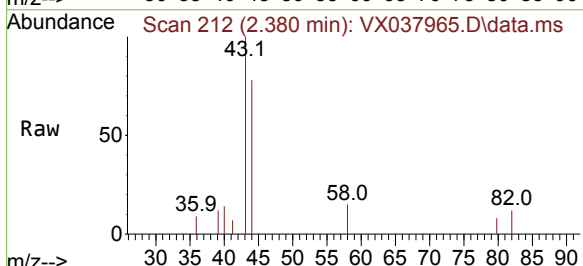
Acq: 29 Sep 2023 11:04

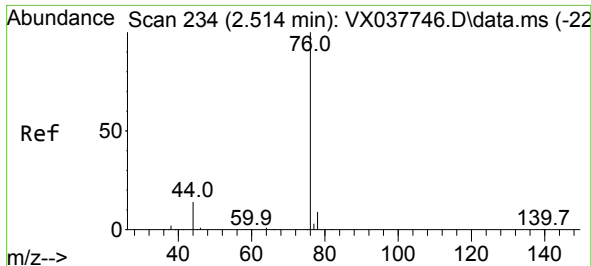
Tgt Ion: 43 Resp: 1192

Ion Ratio Lower Upper

43 100

58 15.4 21.9 32.9#

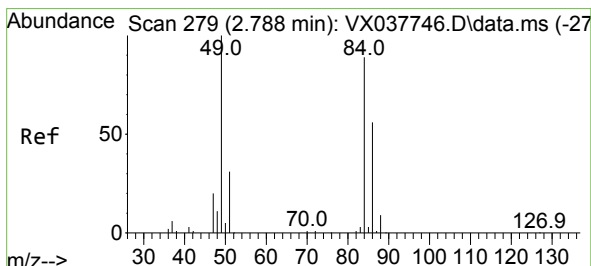
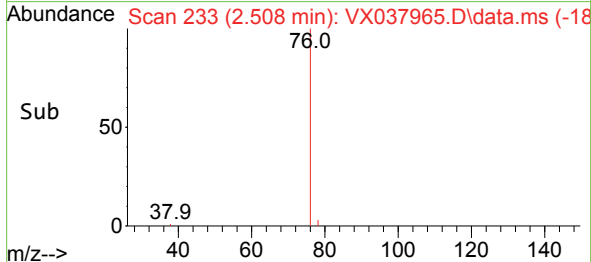
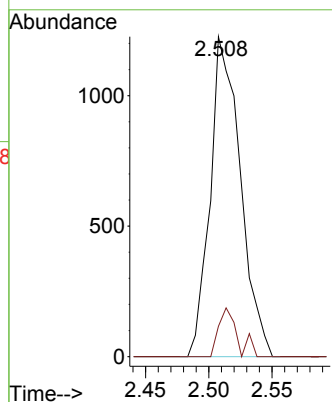
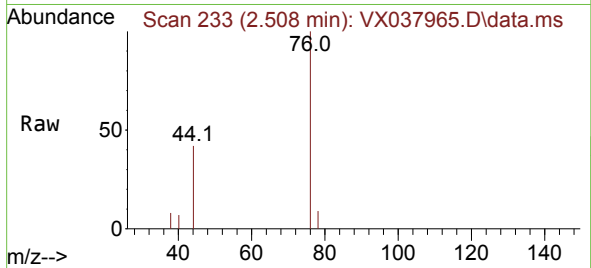




#17
Carbon Disulfide
Concen: 0.328 ug/l
RT: 2.508 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX037965.D
Acq: 29 Sep 2023 11:04

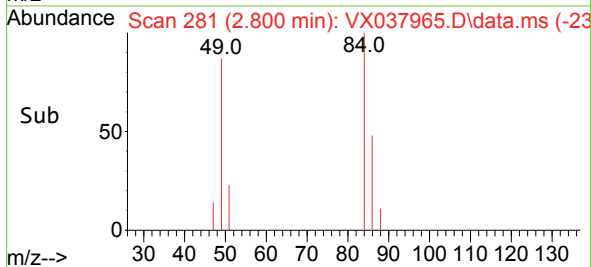
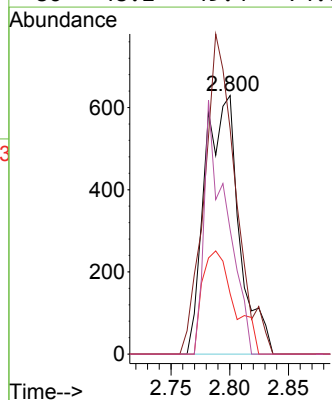
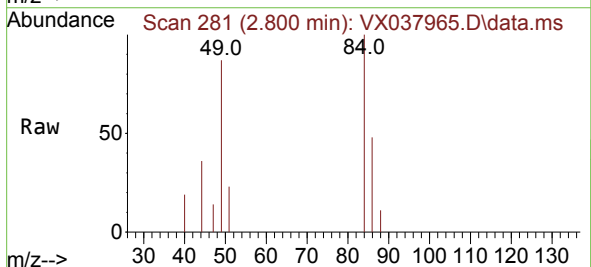
Instrument :
MSVOA_X
ClientSampleId :
VX0929WBL01

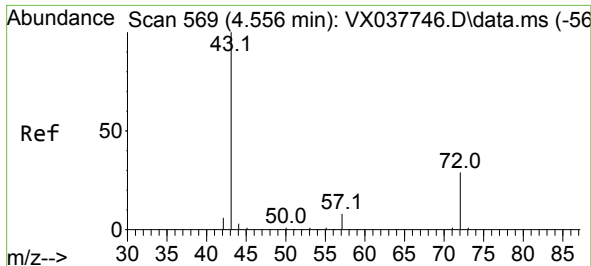
Tgt Ion: 76 Resp: 2039
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.6



#20
Methylene Chloride
Concen: 0.408 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX037965.D
Acq: 29 Sep 2023 11:04

Tgt Ion: 84 Resp: 1285
Ion Ratio Lower Upper
84 100
49 87.1 103.6 155.4#
51 23.4 33.8 50.6#
86 48.2 49.4 74.0#

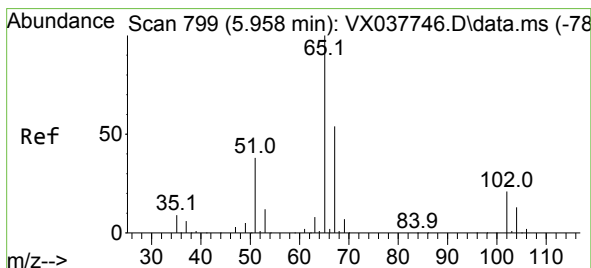
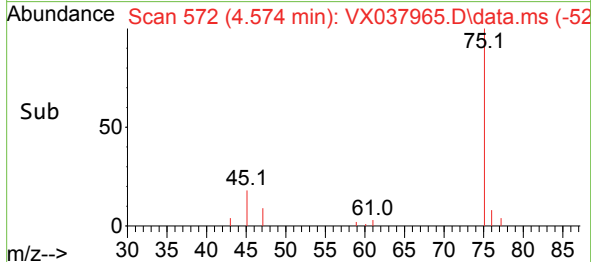
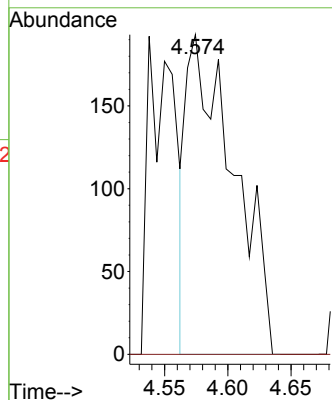
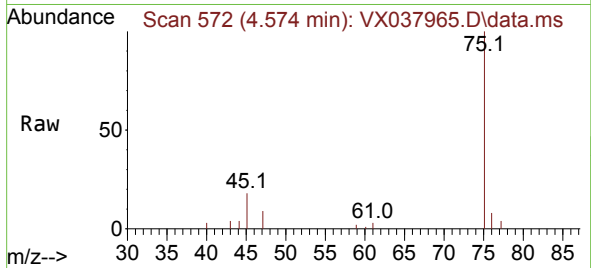




#25
2-Butanone
Concen: 0.222 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX037965.D
Acq: 29 Sep 2023 11:04

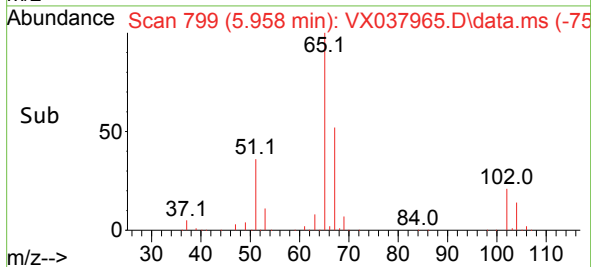
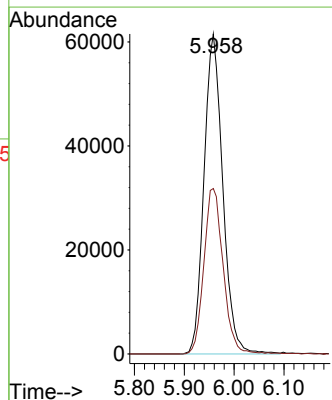
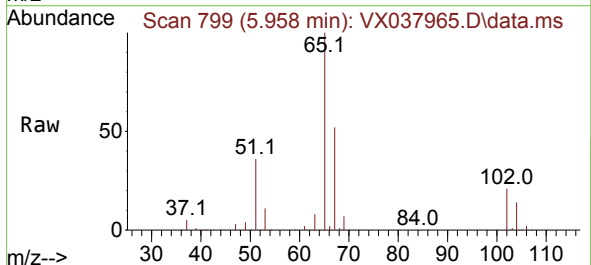
Instrument :
MSVOA_X
ClientSampleId :
VX0929WBL01

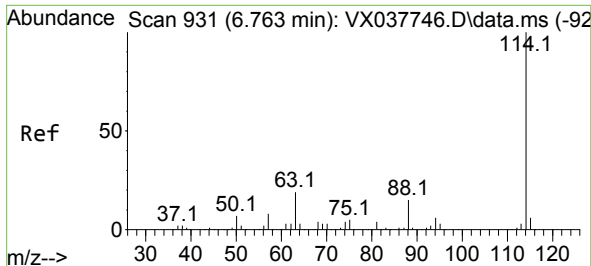
Tgt Ion: 43 Resp: 502
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#33
1,2-Dichloroethane-d4
Concen: 48.278 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037965.D
Acq: 29 Sep 2023 11:04

Tgt Ion: 65 Resp: 161004
Ion Ratio Lower Upper
65 100
67 53.2 0.0 100.2

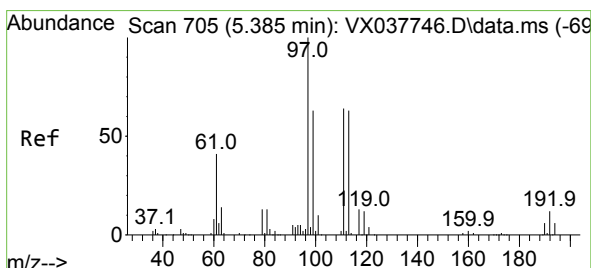
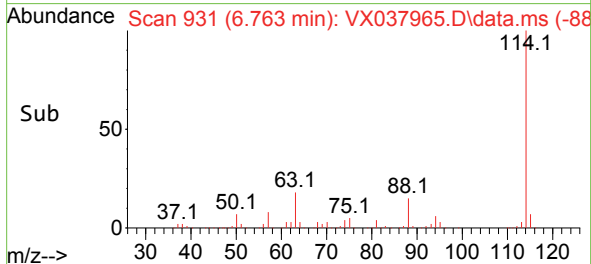
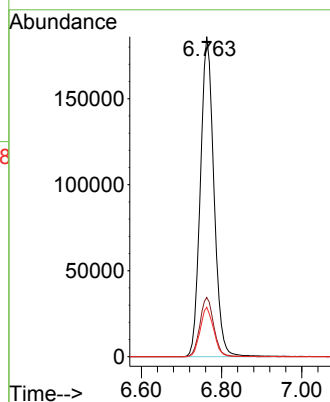
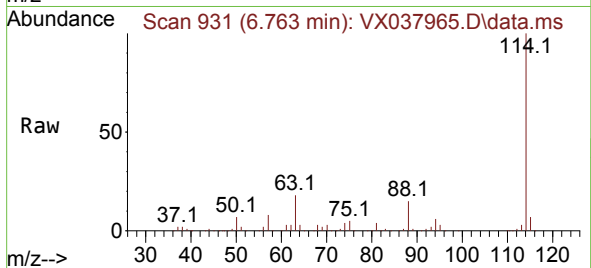




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX037965.D
Acq: 29 Sep 2023 11:04

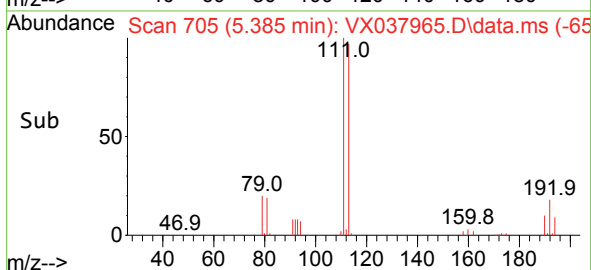
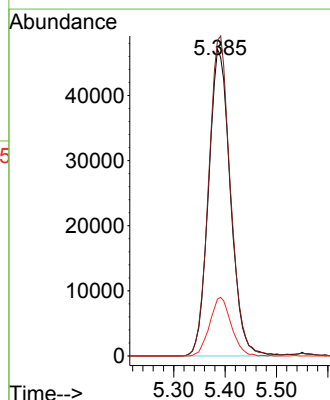
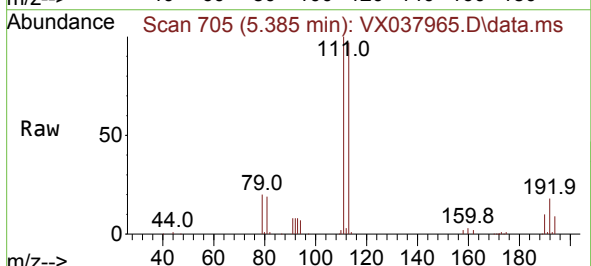
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VX0929WBL01

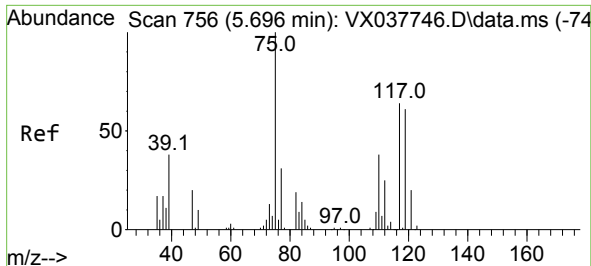
Tgt Ion:114 Resp: 436524
Ion Ratio Lower Upper
114 100
63 18.5 0.0 45.0
88 15.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.592 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037965.D
Acq: 29 Sep 2023 11:04

Tgt Ion:113 Resp: 139007
Ion Ratio Lower Upper
113 100
111 103.9 82.9 124.3
192 18.8 13.3 19.9

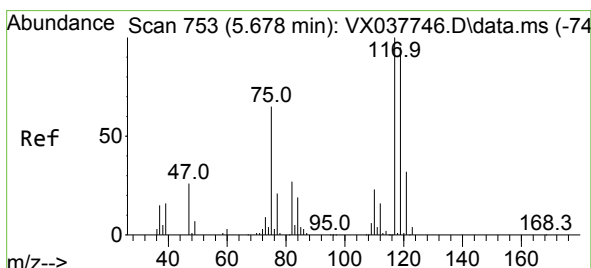
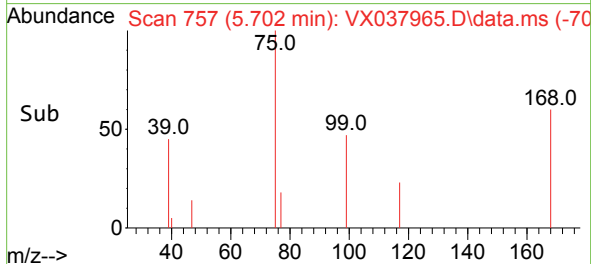
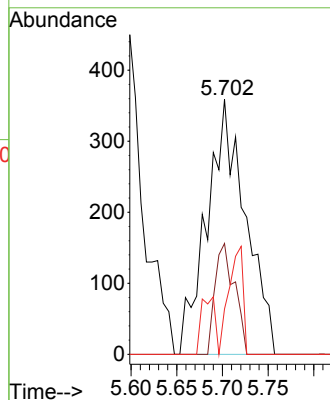
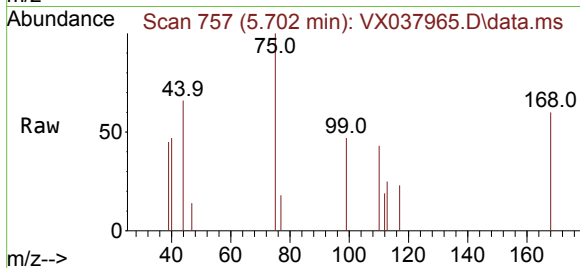




#36
1,1-Dichloropropene
Concen: 0.262 ug/l
RT: 5.702 min Scan# 715
Delta R.T. 0.006 min
Lab File: VX037965.D
Acq: 29 Sep 2023 11:04

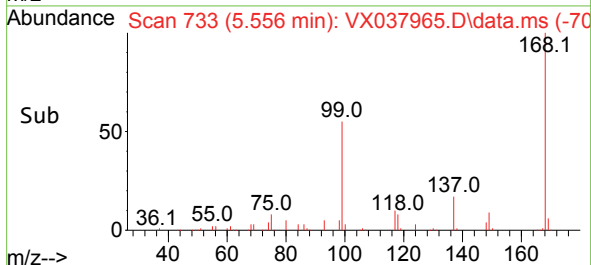
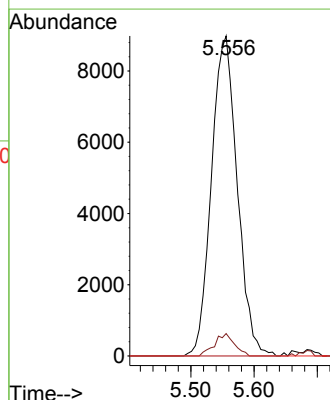
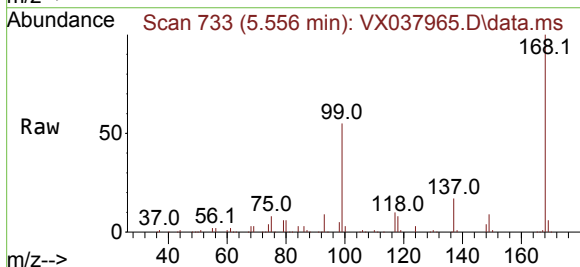
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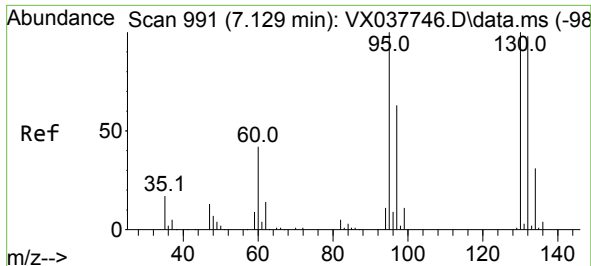
Tgt Ion: 75 Resp: 1053
Ion Ratio Lower Upper
75 100
110 21.9 17.0 50.9
77 8.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.040 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX037965.D
Acq: 29 Sep 2023 11:04

Tgt Ion: 117 Resp: 25427
Ion Ratio Lower Upper
117 100
119 7.0 78.2 117.2#
121 0.0 24.4 36.6#

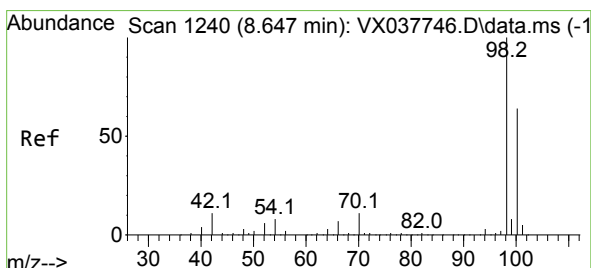
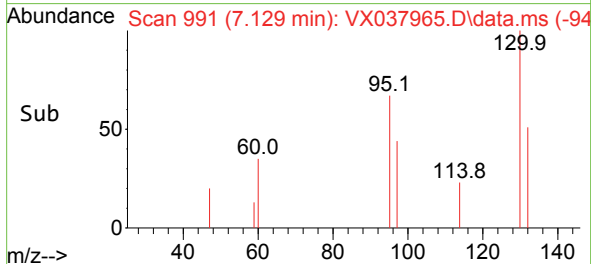
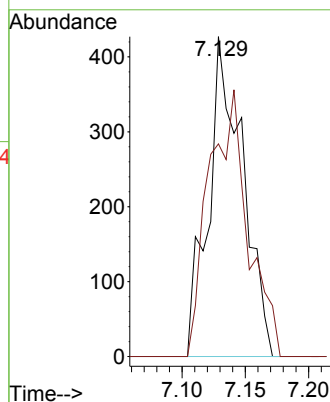
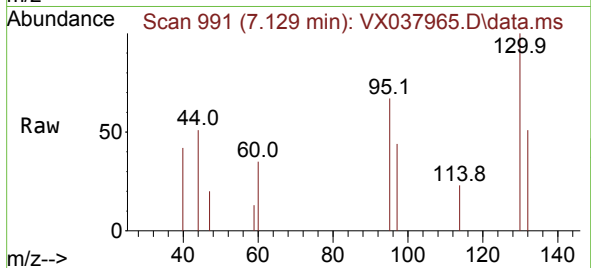




#44
Trichloroethene
Concen: 0.234 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.006 min
Lab File: VX037965.D
Acq: 29 Sep 2023 11:04

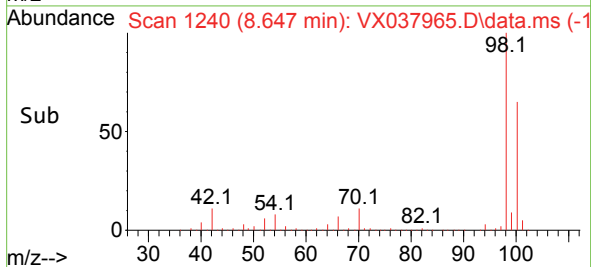
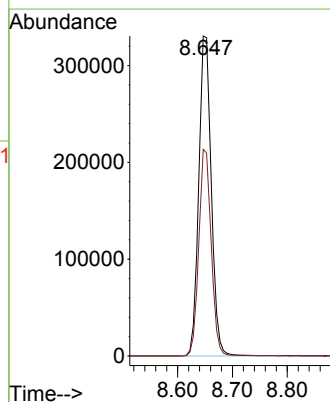
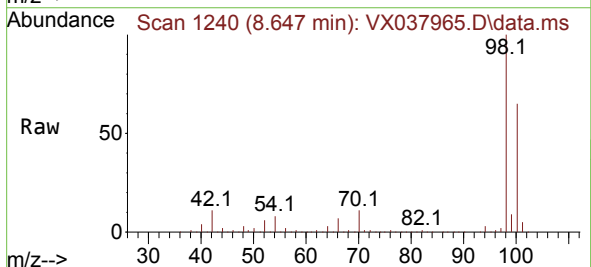
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MSVOA_X
ClientSampleId :
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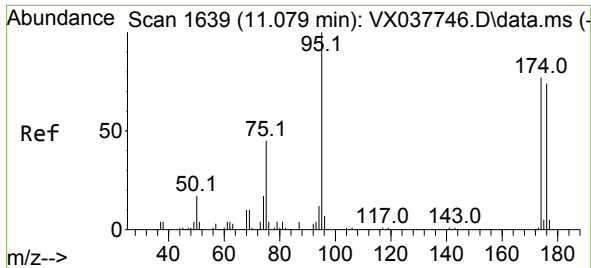
Tgt Ion:130 Resp: 805
Ion Ratio Lower Upper
130 100
95 66.5 0.0 204.4



#50
Toluene-d8
Concen: 48.555 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037965.D
Acq: 29 Sep 2023 11:04

Tgt Ion: 98 Resp: 526952
Ion Ratio Lower Upper
98 100
100 63.9 53.1 79.7

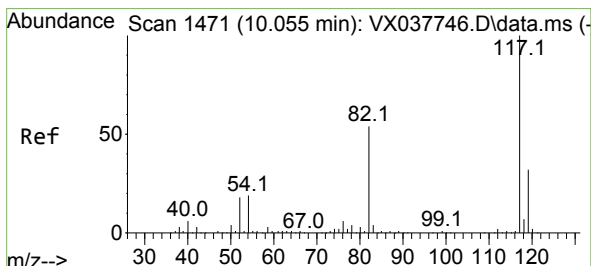
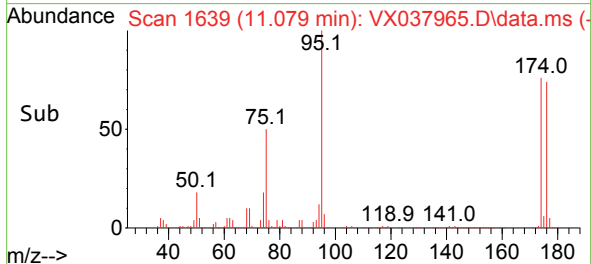
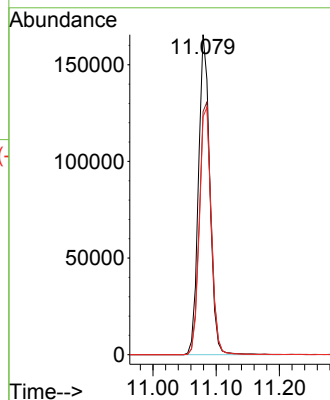
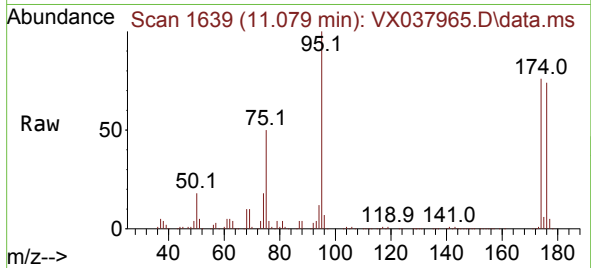




#62
4-Bromofluorobenzene
Concen: 52.417 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037965.D
Acq: 29 Sep 2023 11:04

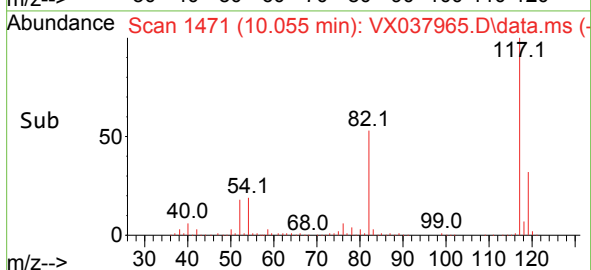
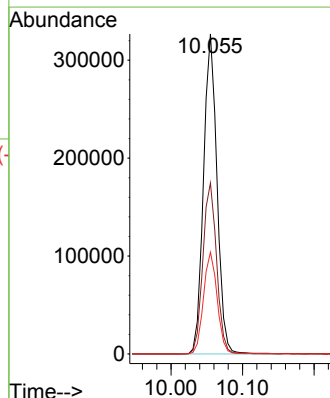
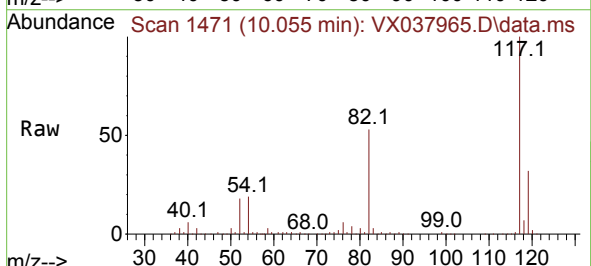
Instrument :
MSVOA_X
ClientSampleId :
VX0929WBL01

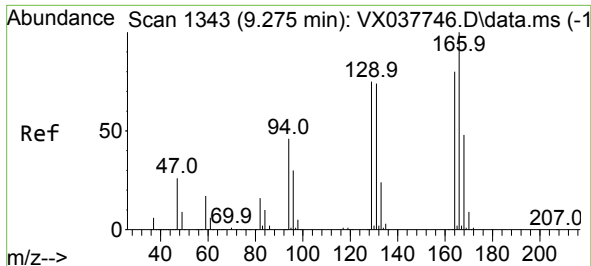
Tgt Ion: 95 Resp: 206715
Ion Ratio Lower Upper
95 100
174 83.0 0.0 135.6
176 80.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037965.D
Acq: 29 Sep 2023 11:04

Tgt Ion: 117 Resp: 428630
Ion Ratio Lower Upper
117 100
82 53.5 46.2 69.4
119 31.8 25.5 38.3

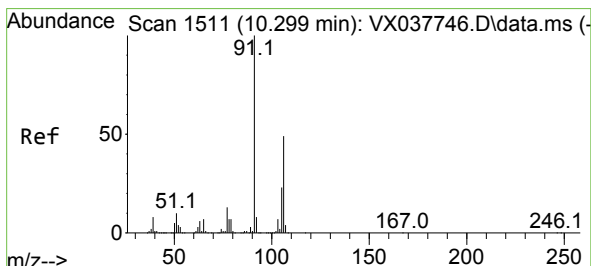
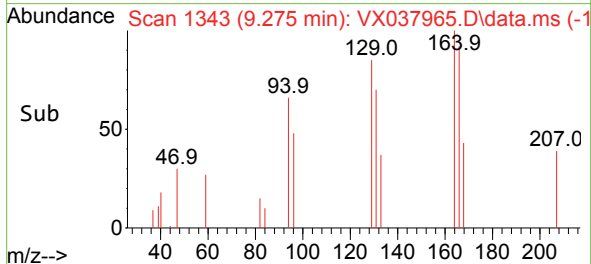
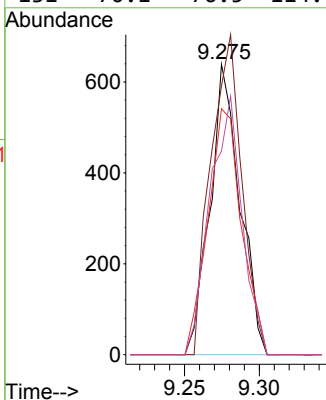
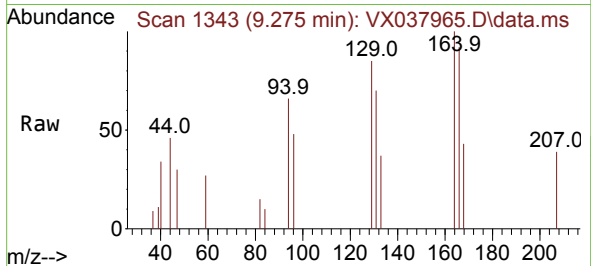




#64
Tetrachloroethene
Concen: 0.305 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037965.D
Acq: 29 Sep 2023 11:04

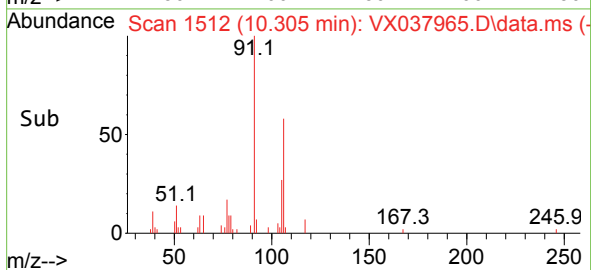
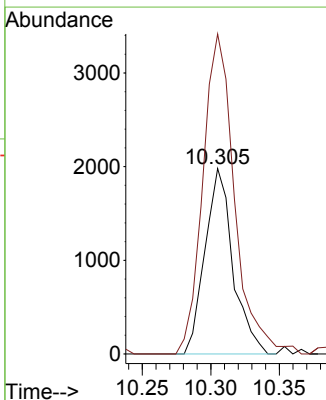
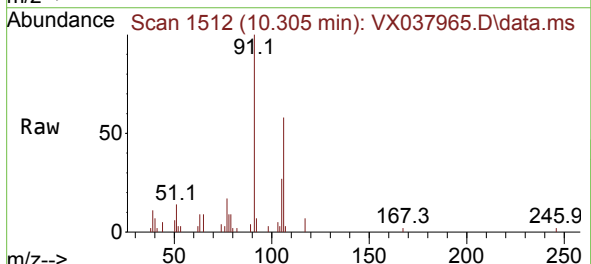
Instrument :
MSVOA_X
ClientSampleId :
VX0929WBL01

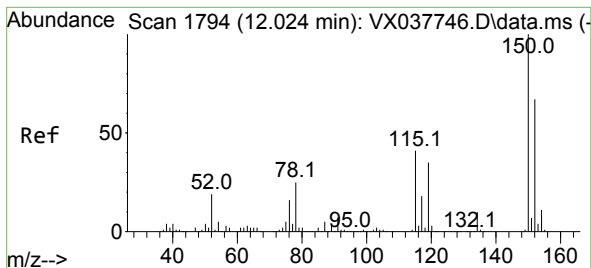
Tgt Ion:164 Resp: 892
Ion Ratio Lower Upper
164 100
166 92.5 102.7 154.1#
129 84.7 80.4 120.6
131 70.1 76.5 114.7#



#68
m/p-Xylenes
Concen: 0.453 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX037965.D
Acq: 29 Sep 2023 11:04

Tgt Ion:106 Resp: 2805
Ion Ratio Lower Upper
106 100
91 196.4 165.5 248.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037965.D

Acq: 29 Sep 2023 11:04

Instrument :

MSVOA_X

ClientSampleId :

VX0929WBL01

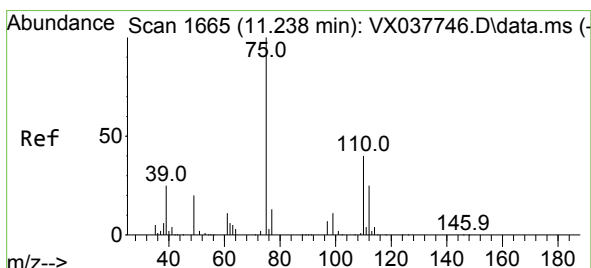
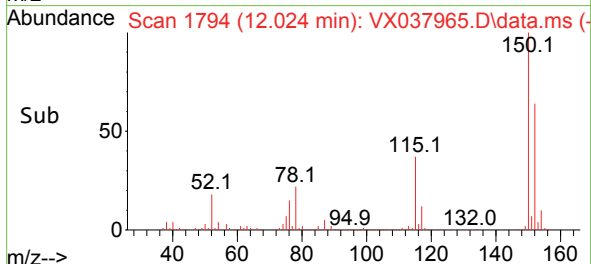
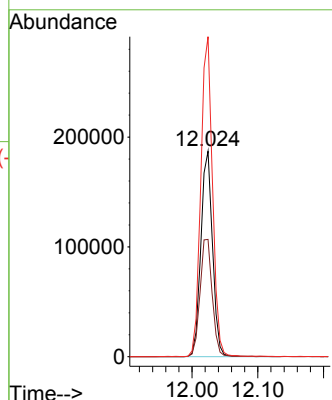
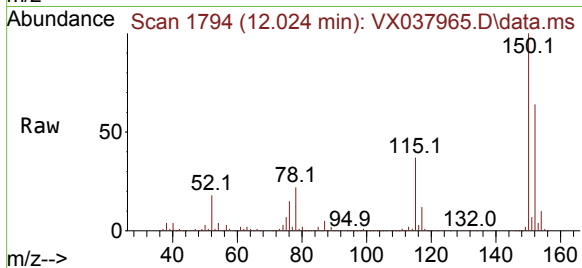
Tgt Ion:152 Resp: 230941

Ion Ratio Lower Upper

152 100

115 59.8 43.3 129.9

150 156.3 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 19.626 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037965.D

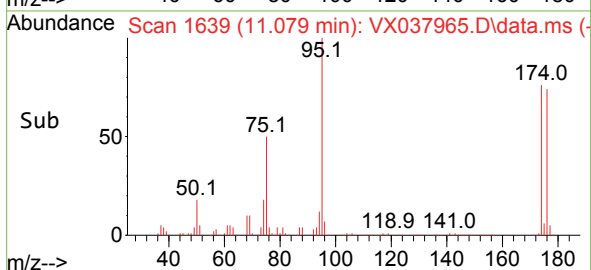
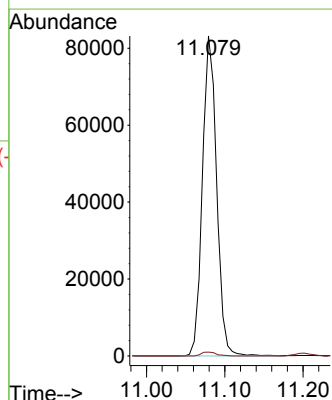
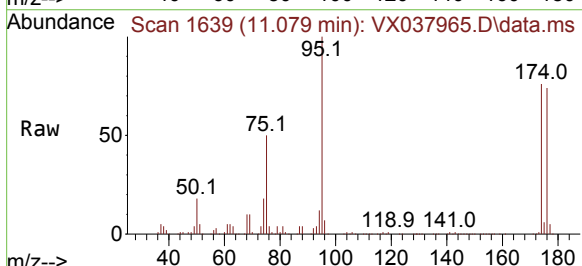
Acq: 29 Sep 2023 11:04

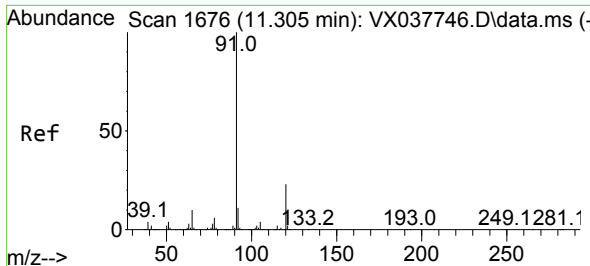
Tgt Ion: 75 Resp: 104829

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#

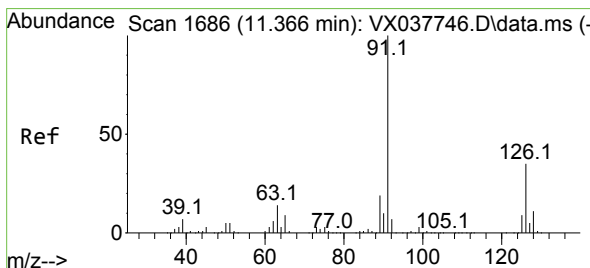
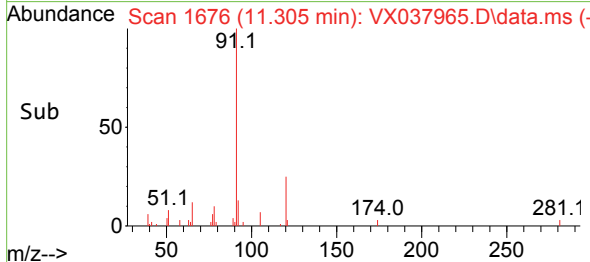
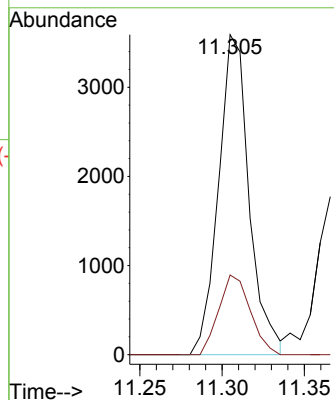
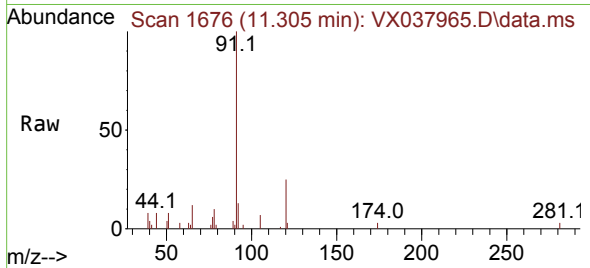




#78
n-propylbenzene
Concen: 0.243 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX037965.D
Acq: 29 Sep 2023 11:04

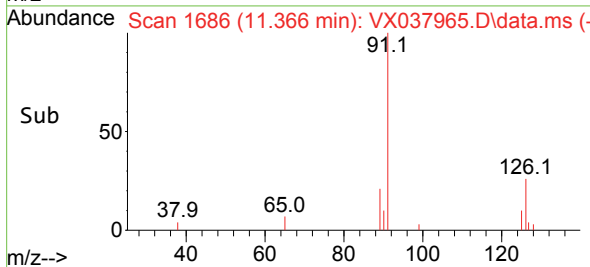
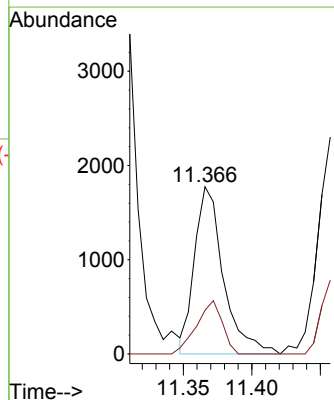
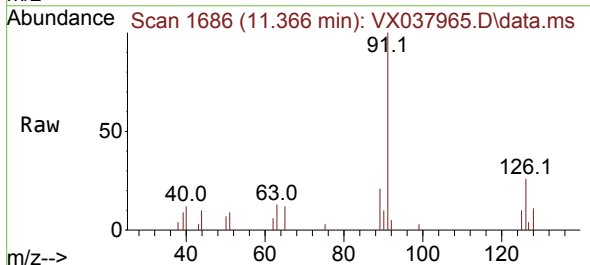
Instrument :
MSVOA_X
ClientSampleId :
VX0929WBL01

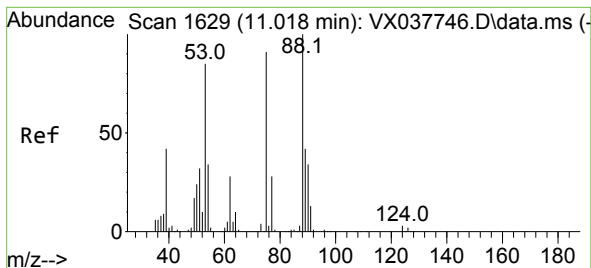
Tgt Ion: 91 Resp: 4650
Ion Ratio Lower Upper
91 100
120 25.6 11.5 34.4



#79
2-Chlorotoluene
Concen: 0.221 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VX037965.D
Acq: 29 Sep 2023 11:04

Tgt Ion: 91 Resp: 2608
Ion Ratio Lower Upper
91 100
126 28.3 16.3 48.8

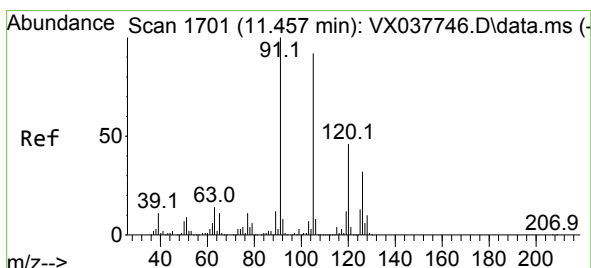
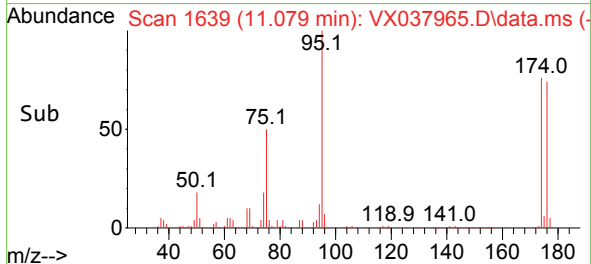
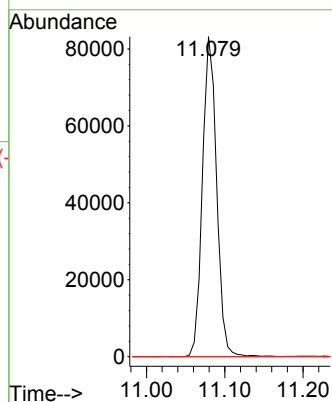
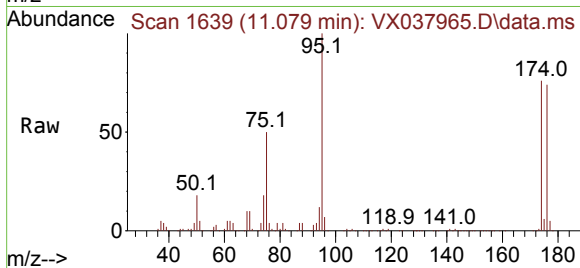




#81
trans-1,4-Dichloro-2-butene
Concen: 62.868 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037965.D
Acq: 29 Sep 2023 11:04

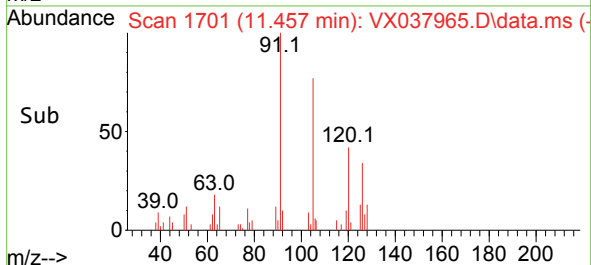
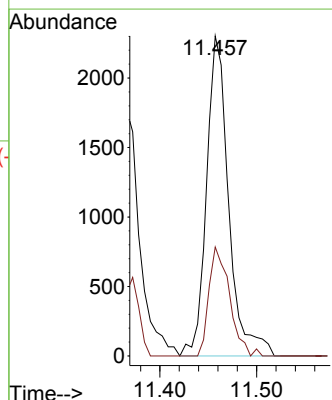
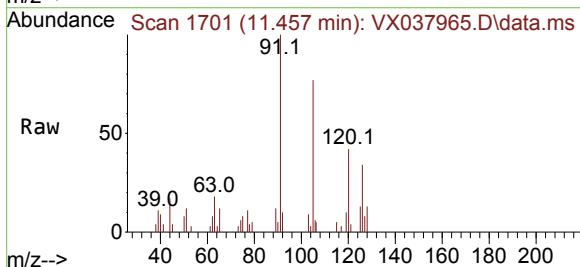
Instrument :
MSVOA_X
ClientSampleId :
VX0929WBL01

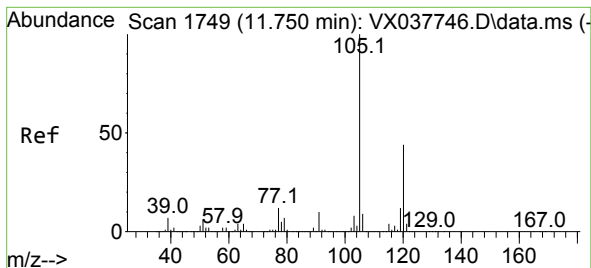
Tgt Ion: 75 Resp: 104829
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 0.277 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VX037965.D
Acq: 29 Sep 2023 11:04

Tgt Ion: 91 Resp: 3673
Ion Ratio Lower Upper
91 100
126 31.9 14.2 42.6





#84

1,2,4-Trimethylbenzene

Concen: 0.229 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VX037965.D

Acq: 29 Sep 2023 11:04

Instrument :

MSVOA_X

ClientSampleId :

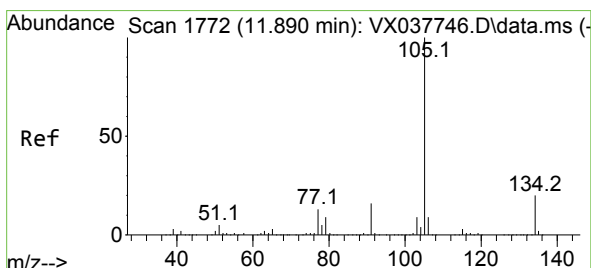
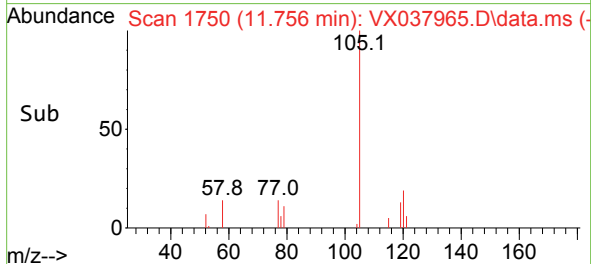
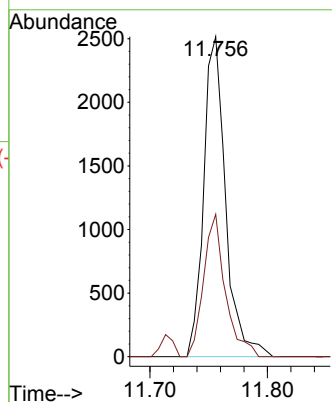
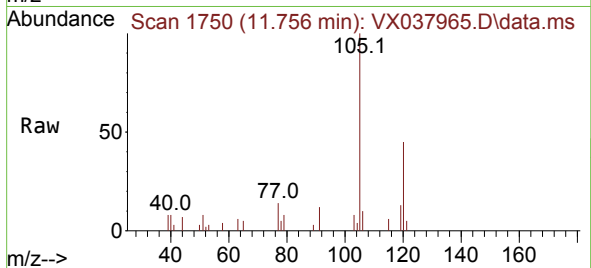
VX0929WBL01

Tgt Ion:105 Resp: 3254

Ion Ratio Lower Upper

105 100

120 44.2 21.2 63.6



#85

sec-Butylbenzene

Concen: 0.220 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX037965.D

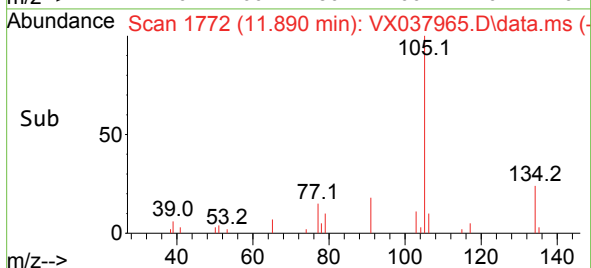
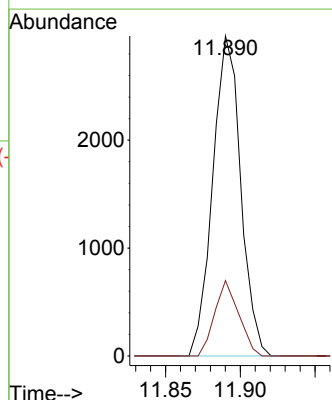
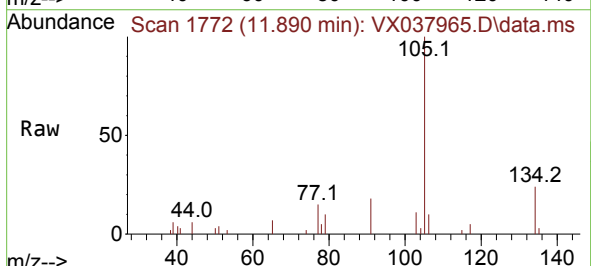
Acq: 29 Sep 2023 11:04

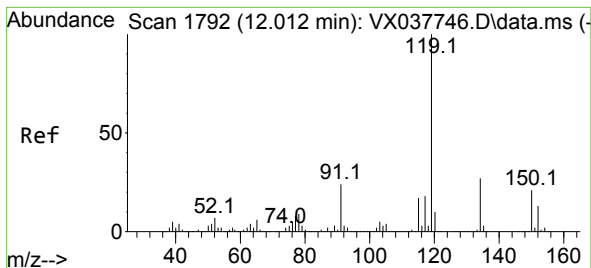
Tgt Ion:105 Resp: 3854

Ion Ratio Lower Upper

105 100

134 20.2 9.8 29.4





#86

p-Isopropyltoluene

Concen: 0.262 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VX037965.D

Acq: 29 Sep 2023 11:04

Instrument :

MSVOA_X

ClientSampleId :

VX0929WBL01

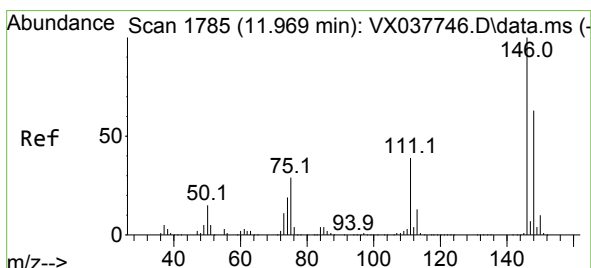
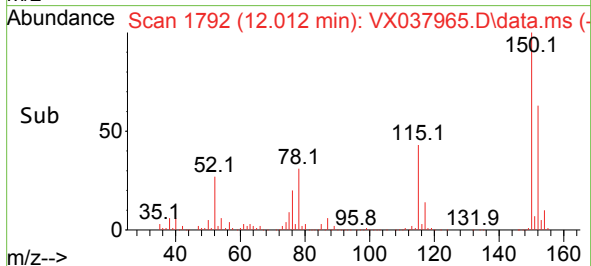
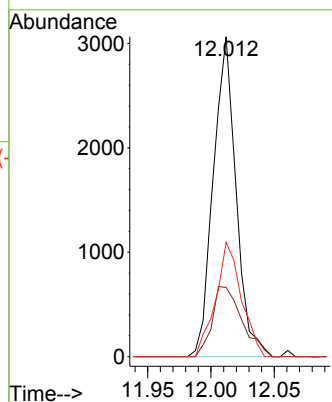
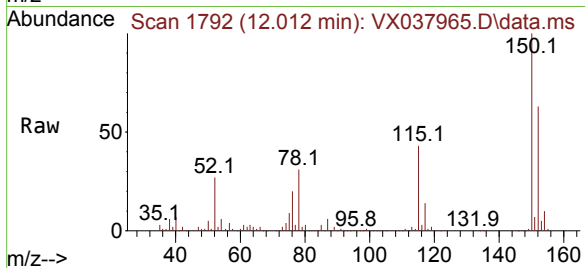
Tgt Ion:119 Resp: 3831

Ion Ratio Lower Upper

119 100

134 28.8 12.8 38.3

91 40.4 13.1 39.3#



#87

1,3-Dichlorobenzene

Concen: 0.385 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX037965.D

Acq: 29 Sep 2023 11:04

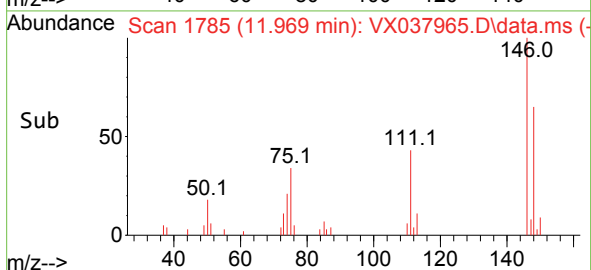
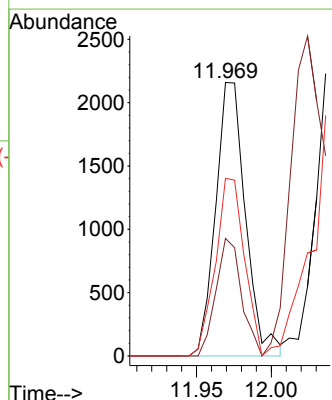
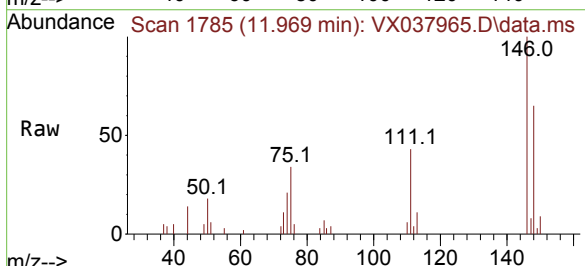
Tgt Ion:146 Resp: 3009

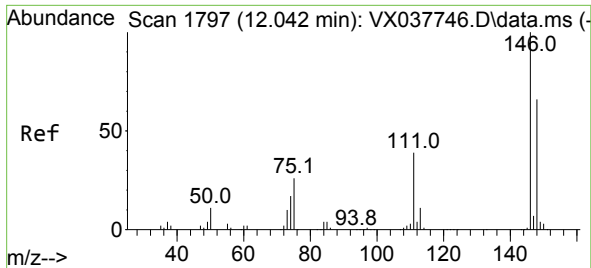
Ion Ratio Lower Upper

146 100

111 36.7 22.1 66.1

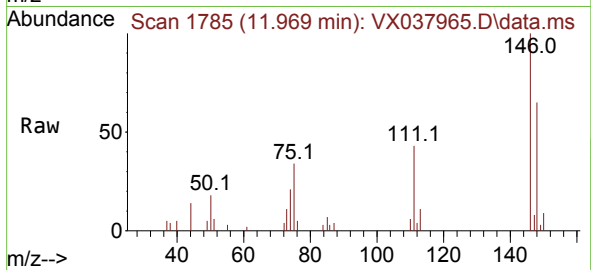
148 63.5 31.8 95.3



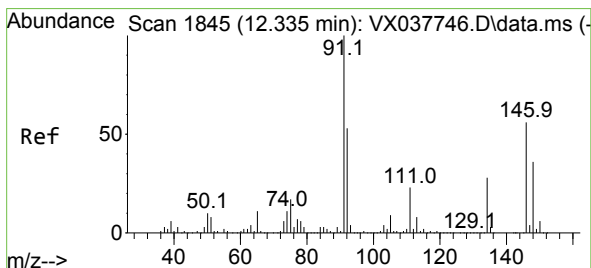
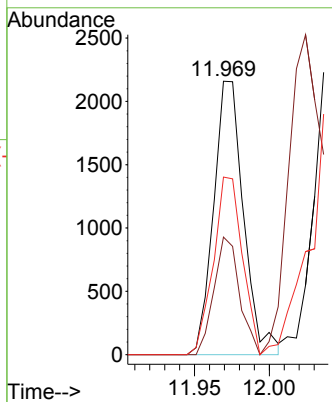
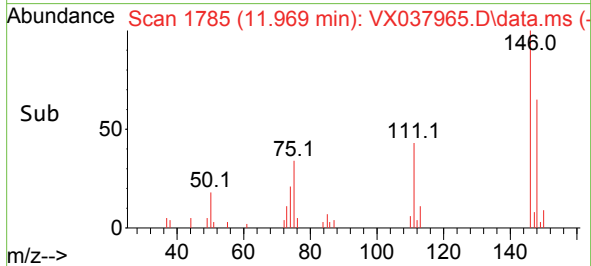


#88
1,4-Dichlorobenzene
Concen: 0.376 ug/l
RT: 11.969 min Scan# 11
Delta R.T. -0.073 min
Lab File: VX037965.D
Acq: 29 Sep 2023 11:04

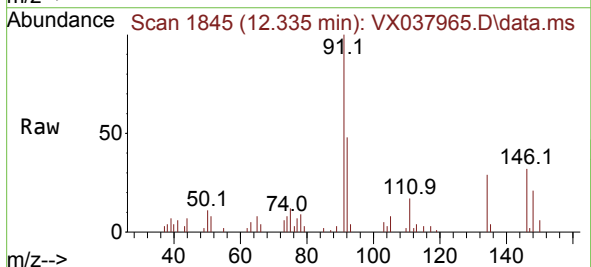
Instrument :
MSVOA_X
ClientSampleId :
VX0929WBL01



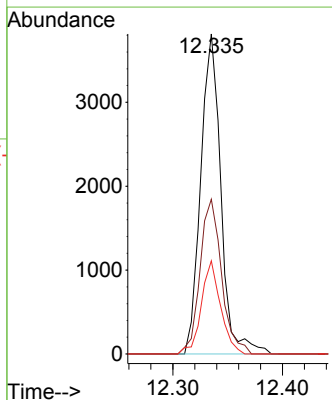
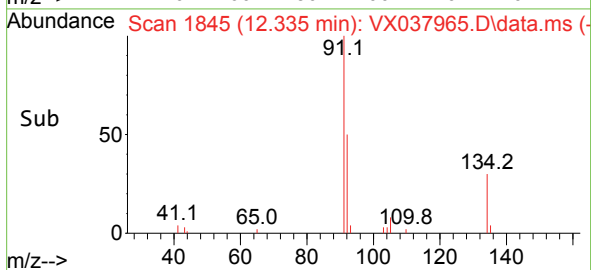
Tgt Ion:146 Resp: 3009
Ion Ratio Lower Upper
146 100
111 36.7 21.3 63.7
148 63.5 31.8 95.4

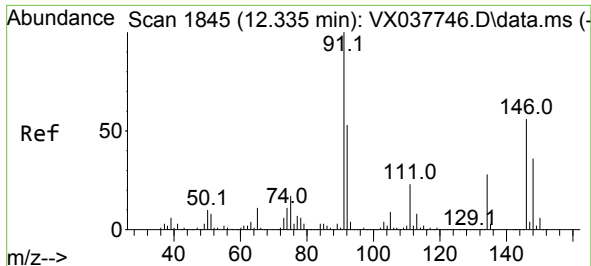


#89
n-Butylbenzene
Concen: 0.380 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX037965.D
Acq: 29 Sep 2023 11:04



Tgt Ion: 91 Resp: 4868
Ion Ratio Lower Upper
91 100
92 51.8 27.4 82.0
134 27.9 12.6 37.8

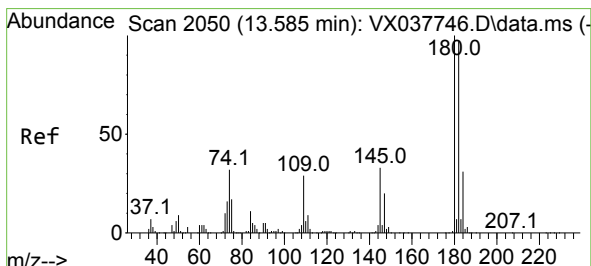
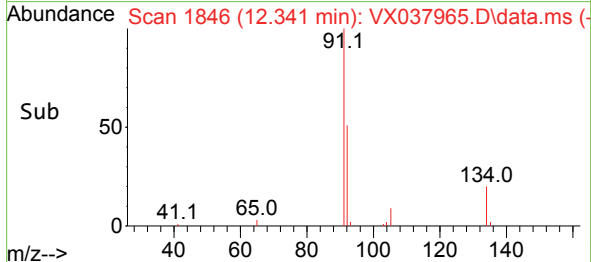
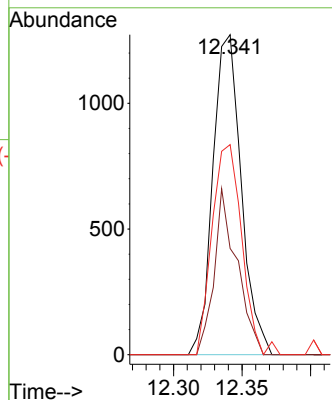
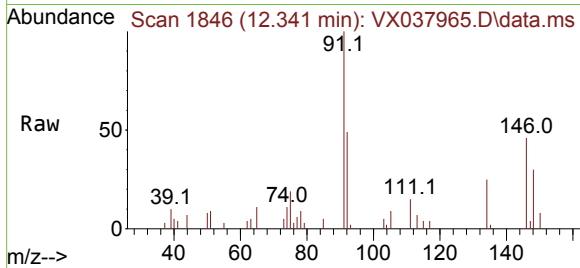




#91
 1,2-Dichlorobenzene
 Concen: 0.230 ug/l
 RT: 12.341 min Scan# 1845
 Delta R.T. 0.006 min
 Lab File: VX037965.D
 Acq: 29 Sep 2023 11:04

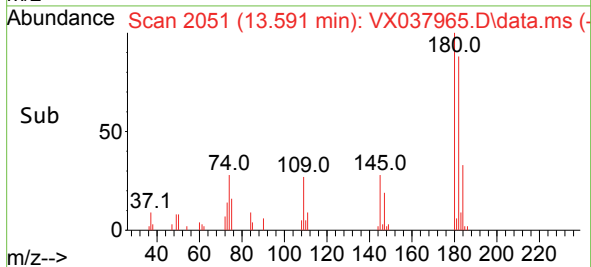
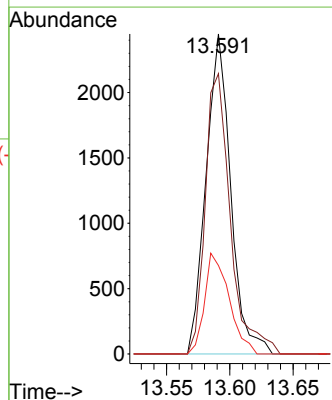
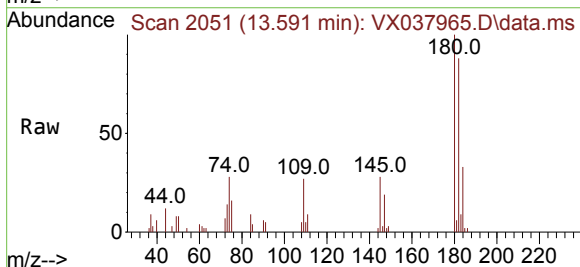
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0929WBL01

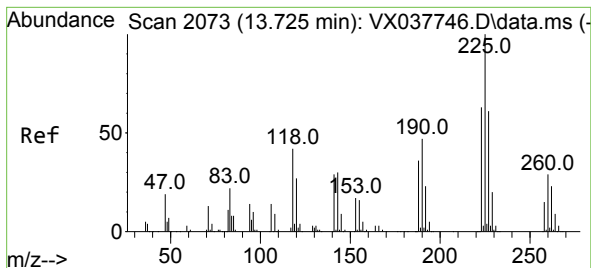
Tgt Ion:146 Resp: 1832
 Ion Ratio Lower Upper
 146 100
 111 41.7 22.4 67.0
 148 68.7 31.6 95.0



#93
 1,2,4-Trichlorobenzene
 Concen: 0.707 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. -0.000 min
 Lab File: VX037965.D
 Acq: 29 Sep 2023 11:04

Tgt Ion:180 Resp: 3324
 Ion Ratio Lower Upper
 180 100
 182 89.2 48.3 144.8
 145 31.2 18.0 54.0





#94

Hexachlorobutadiene

Concen: 0.497 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX037965.D

Acq: 29 Sep 2023 11:04

Instrument :

MSVOA_X

ClientSampleId :

VX0929WBL01

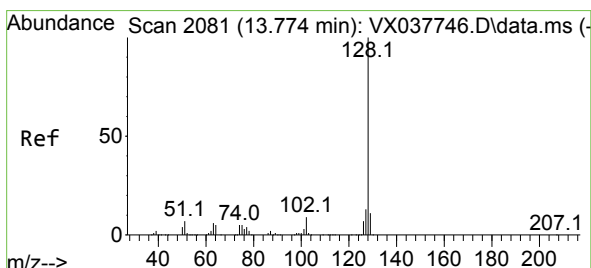
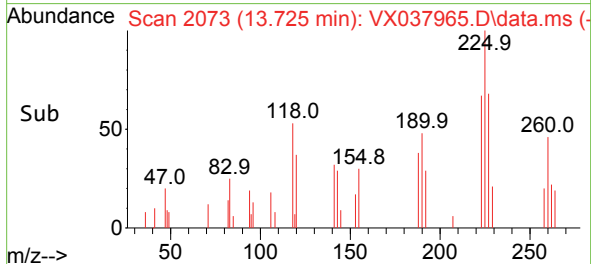
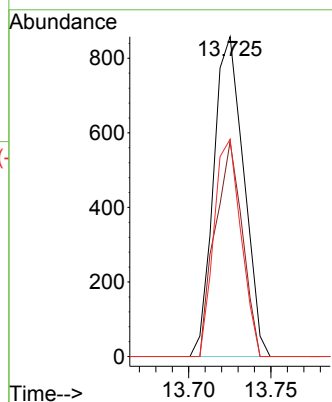
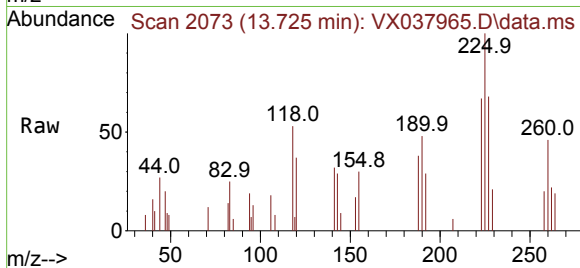
Tgt Ion:225 Resp: 1092

Ion Ratio Lower Upper

225 100

223 60.6 31.1 93.2

227 61.0 32.5 97.5



#95

Naphthalene

Concen: 0.296 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VX037965.D

Acq: 29 Sep 2023 11:04

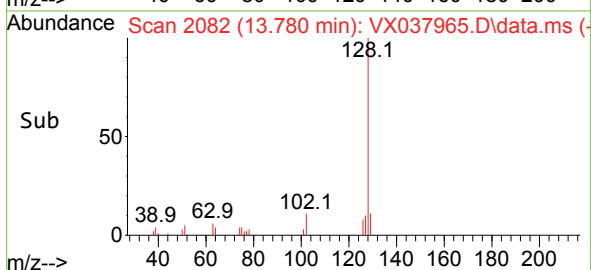
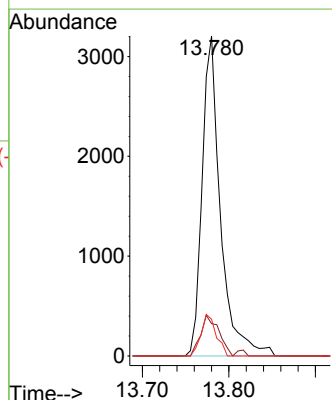
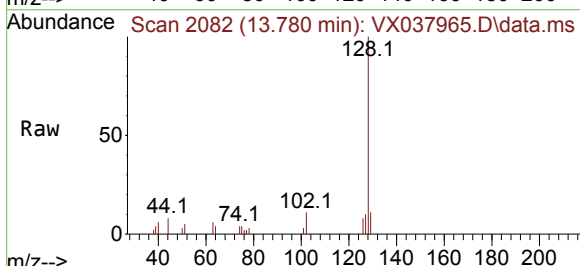
Tgt Ion:128 Resp: 4710

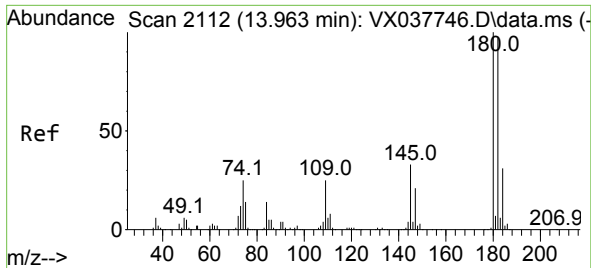
Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

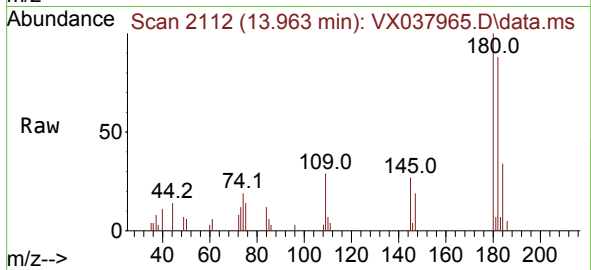
129 10.7 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.516 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX037965.D
 Acq: 29 Sep 2023 11:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0929WBL01



Tgt Ion:	180	Resp:	2496
Ion	Ratio	Lower	Upper
180	100		
182	90.6	46.9	140.6
145	29.3	17.8	53.5

