

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092723\
 Data File : VX037935.D
 Acq On : 27 Sep 2023 20:22
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 28 06:11:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X092723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Sep 28 06:08:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.897	128	47080	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	261024	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	244075	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	100771	29.693	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.967%
60) 4-Bromofluorobenzene	11.079	95	111123	27.928	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.100%
63) Toluene-d8	8.647	98	317792	30.162	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.533%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1055	0.427	ug/l	81
4) Vinyl Chloride	1.374	62	965	0.326	ug/l #	83
5) Bromomethane	1.611	94	773	0.339	ug/l	91
7) Trichlorofluoromethane	1.892	101	2024	0.414	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.331	101	1319	0.530	ug/l	92
10) 1,1-Dichloroethene	2.325	96	1216	0.499	ug/l	95
11) Methyl Iodide	2.453	142	1075	0.326	ug/l	91
12) Methyl Acetate	2.703	43	1112	0.224	ug/l	99
13) Acrolein	2.233	56	1266	2.214	ug/l #	82
14) Acrylonitrile	3.068	53	2798	2.045	ug/l	97
15) Acetone	2.380	58	757	1.913	ug/l #	48
16) Carbon Disulfide	2.514	76	11813	1.986	ug/l	98
17) Allyl chloride	2.666	41	948	0.254	ug/l	86
18) Methylene Chloride	2.788	84	1526	0.522	ug/l	95
19) trans-1,2-Dichloroethene	3.099	96	2468	0.898	ug/l #	81
23) tert-Butyl Alcohol	2.946	59	1230	2.155	ug/l #	1
29) 1,1-Dichloropropene	5.696	75	2344	0.621	ug/l	71
37) Trichloroethene	7.135	130	1954	0.628	ug/l	93
38) Methylcyclohexane	7.385	83	1956	0.412	ug/l	71
42) Vinyl Acetate	3.745	43	1921	0.337	ug/l	97
45) 1,4-Dioxane	7.671	88	205	3.004	ug/l #	1
48) t-1,3-Dichloropropene	8.988	75	1303	0.309	ug/l	89
49) cis-1,3-Dichloropropene	8.378	75	1034	0.228	ug/l #	85
54) 1,2-Dibromoethane	9.616	107	749	0.227	ug/l	86
55) 2-Chloroethyl vinyl ether	8.250	63	2338	1.070	ug/l	94
58) 4-Methyl-2-Pentanone	8.580	43	1744	0.488	ug/l	94
59) 2-Hexanone	9.445	43	2156	0.795	ug/l	98
61) Tetrachloroethene	9.275	164	1517	0.584	ug/l	94
62) Toluene	8.726	91	5344	0.422	ug/l	98
64) Chlorobenzene	10.079	112	3588	0.454	ug/l	99
66) Ethyl Benzene	10.201	91	5755	0.412	ug/l	96
67) m/p-Xylenes	10.305	106	5278	0.959	ug/l	97
68) o-Xylene	10.646	106	1752	0.329	ug/l	91
69) Styrene	10.665	104	3100	0.347	ug/l	98
70) Isopropylbenzene	10.963	105	5176	0.366	ug/l	98
72) 1,2,3-Trichloropropane	11.244	75	1050	0.256	ug/l	82
73) Bromobenzene	11.201	156	1606	0.448	ug/l	93
74) n-propylbenzene	11.305	91	8581	0.508	ug/l	99
75) 2-Chlorotoluene	11.366	91	4564	0.461	ug/l	99

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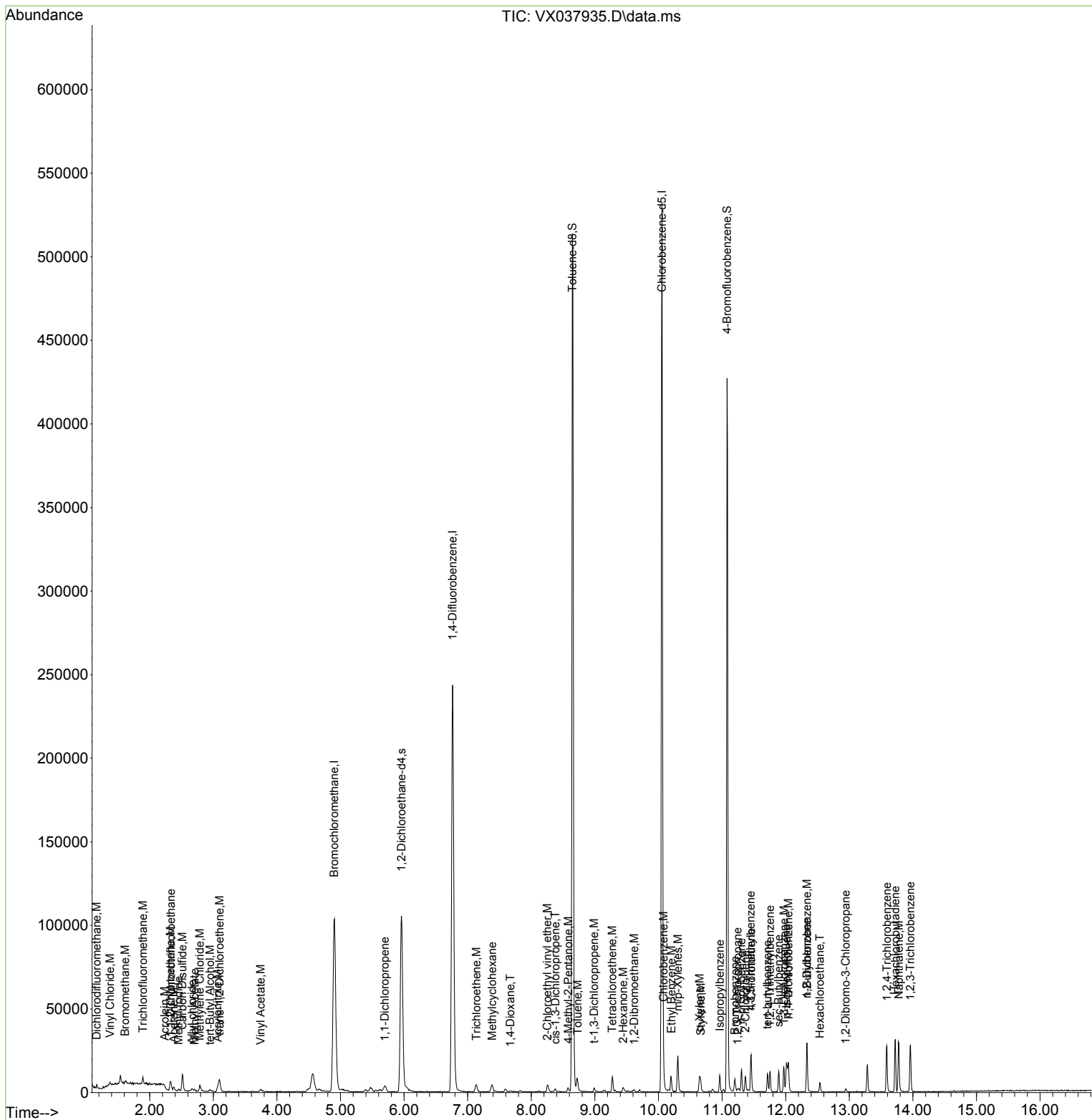
Quant Time: Sep 28 06:11:31 2023
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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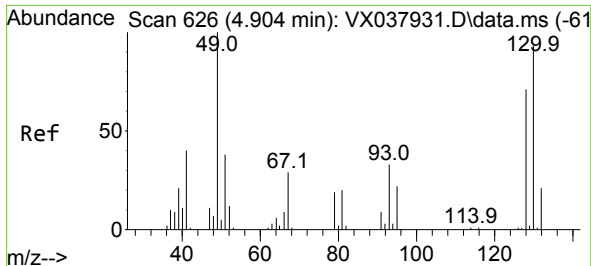
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

76) 1,3,5-Trimethylbenzene	11.451	105	5384	0.441	ug/l	98
78) 4-Chlorotoluene	11.457	91	7111	0.613	ug/l	100
79) tert-butylbenzene	11.713	119	4005	0.334	ug/l	96
80) 1,2,4-Trimethylbenzene	11.756	105	5982	0.493	ug/l	98
81) sec-Butylbenzene	11.890	105	6855	0.444	ug/l	99
82) p-Isopropyltoluene	12.012	119	5868	0.453	ug/l	97
83) 1,3-Dichlorobenzene	11.975	146	5699	0.822	ug/l	97
84) 1,4-Dichlorobenzene	12.042	146	5753	0.819	ug/l	99
85) n-Butylbenzene	12.335	91	8492	0.700	ug/l	98
86) Hexachloroethane	12.536	117	657	0.311	ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	3832	0.561	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	362	0.390	ug/l #	75
89) 1,2,4-Trichlorobenzene	13.591	180	7500	1.614	ug/l	98
90) Hexachlorobutadiene	13.725	225	4809	2.355	ug/l	98
91) Naphthalene	13.780	128	21843	1.550	ug/l	98
92) 1,2,3-Trichlorobenzene	13.963	180	7458	1.648	ug/l	96

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

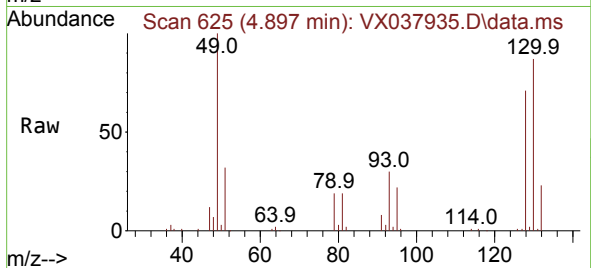
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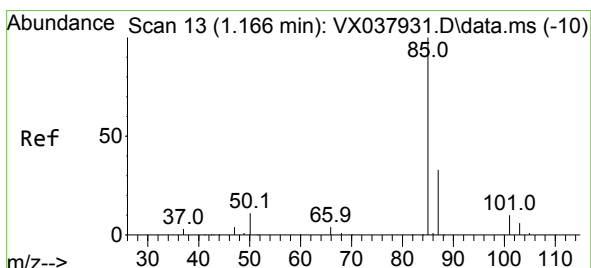
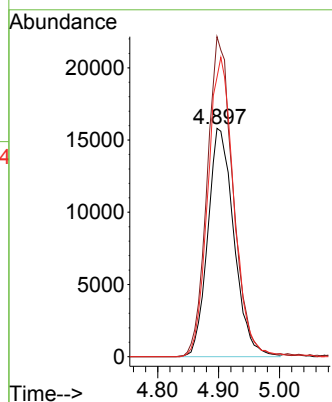
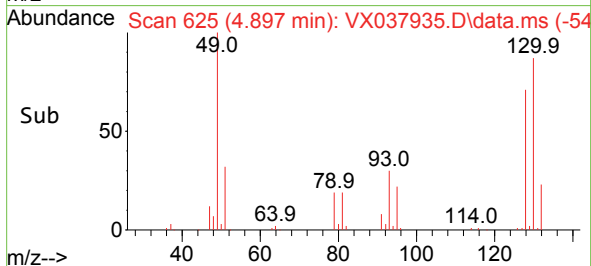


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. -0.007 min
Lab File: VX037935.D
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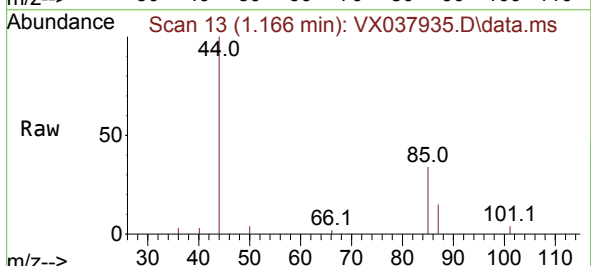
Instrument :
MSVOA_X
ClientSampleId :



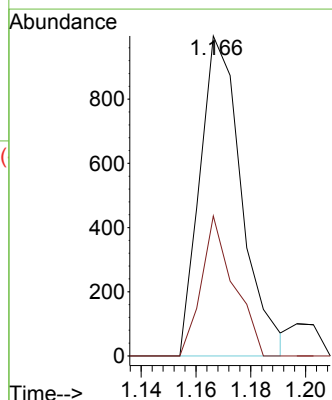
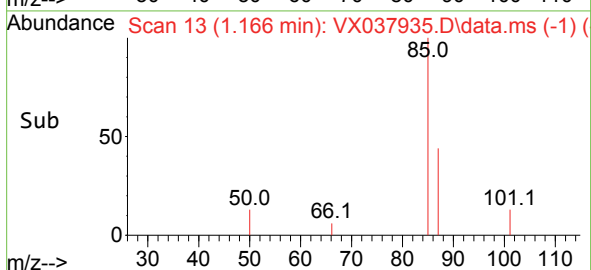
Tgt Ion:128 Resp: 47080
Ion Ratio Lower Upper
128 100
49 138.7 0.0 406.3
130 131.1 0.0 328.0

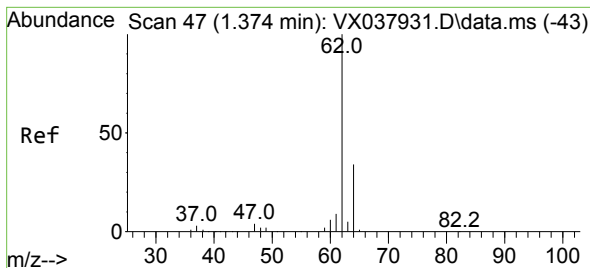


#2
Dichlorodifluoromethane
Concen: 0.427 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX037935.D
Acq: 27 Sep 2023 20:22



Tgt Ion: 85 Resp: 1055
Ion Ratio Lower Upper
85 100
87 43.7 16.4 49.4

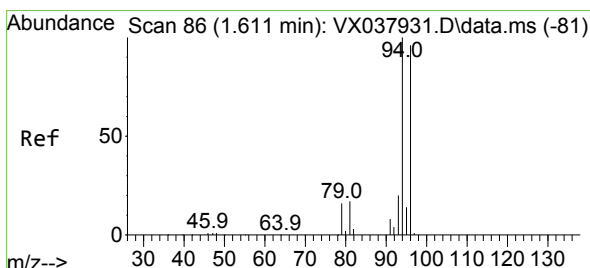
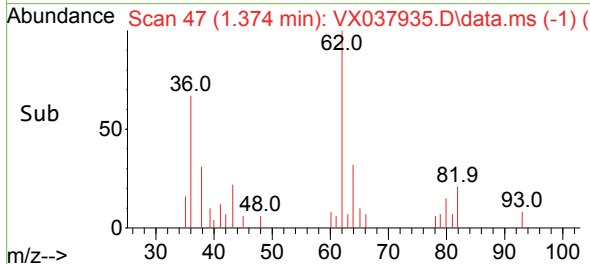
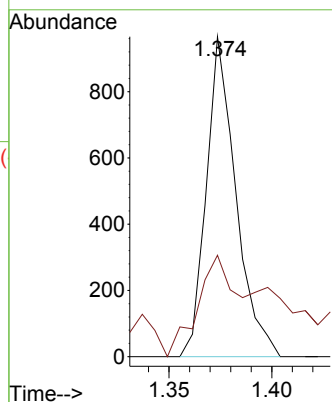
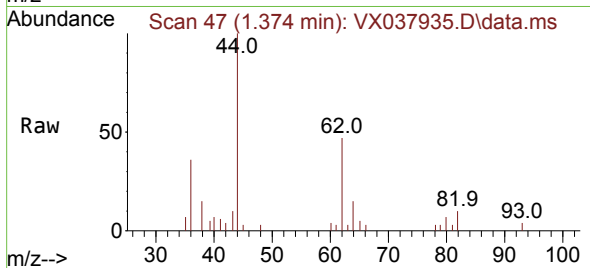




#4
 Vinyl Chloride
 Concen: 0.326 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX037935.D
 Acq: 27 Sep 2023 20:22

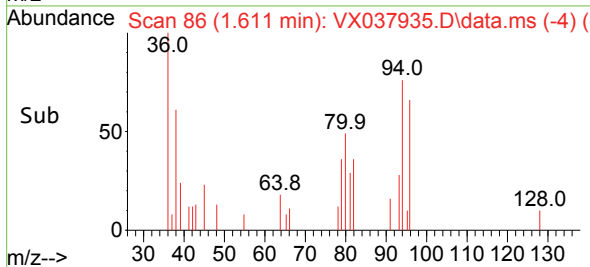
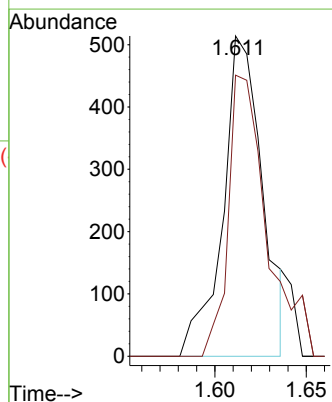
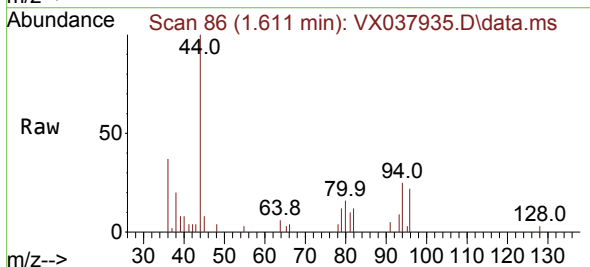
Instrument :
 MSVOA_X
 ClientSampleId :

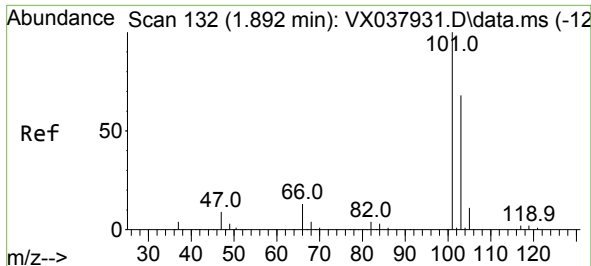
Tgt Ion: 62 Resp: 965
 Ion Ratio Lower Upper
 62 100
 64 22.4 25.3 37.9#



#5
 Bromomethane
 Concen: 0.339 ug/l
 RT: 1.611 min Scan# 86
 Delta R.T. -0.000 min
 Lab File: VX037935.D
 Acq: 27 Sep 2023 20:22

Tgt Ion: 94 Resp: 773
 Ion Ratio Lower Upper
 94 100
 96 87.7 77.4 116.2

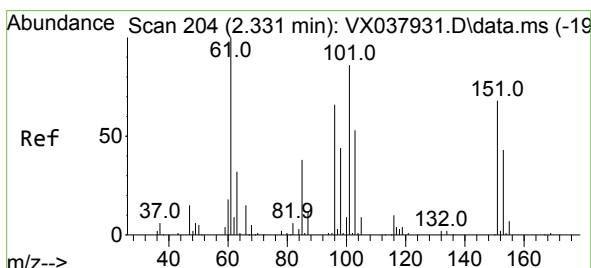
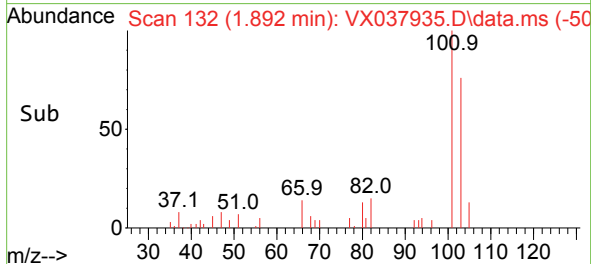
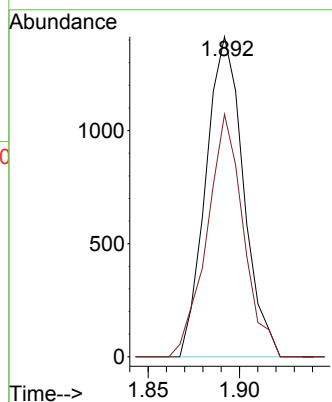
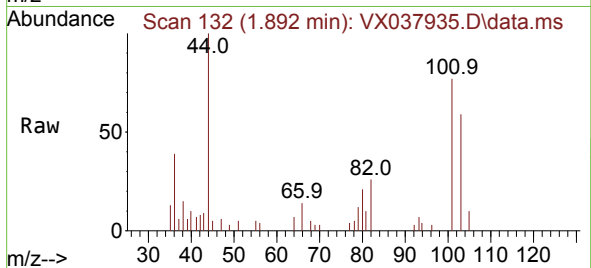




#7
Trichlorofluoromethane
Concen: 0.414 ug/l
RT: 1.892 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037935.D
Acq: 27 Sep 2023 20:22

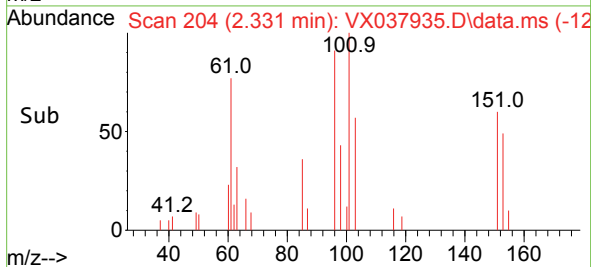
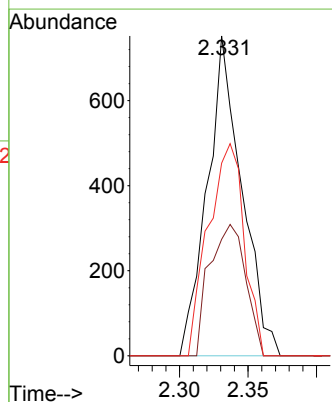
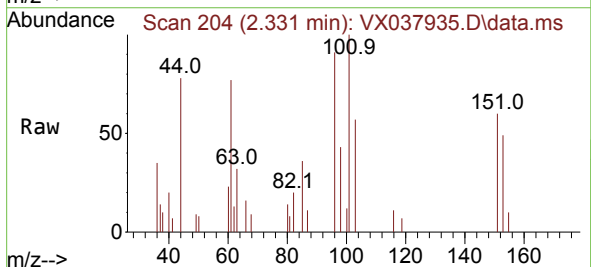
Instrument :
MSVOA_X
ClientSampleId :

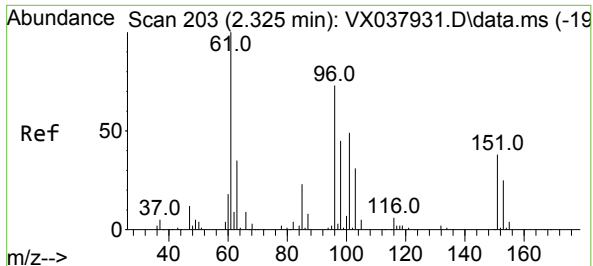
Tgt Ion:101 Resp: 2024
Ion Ratio Lower Upper
101 100
103 75.8 52.2 78.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.530 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX037935.D
Acq: 27 Sep 2023 20:22

Tgt Ion:101 Resp: 1319
Ion Ratio Lower Upper
101 100
85 42.8 0.0 91.0
151 68.8 0.0 155.4





#10

1,1-Dichloroethene

Concen: 0.499 ug/l

RT: 2.325 min Scan# 203

Delta R.T. -0.000 min

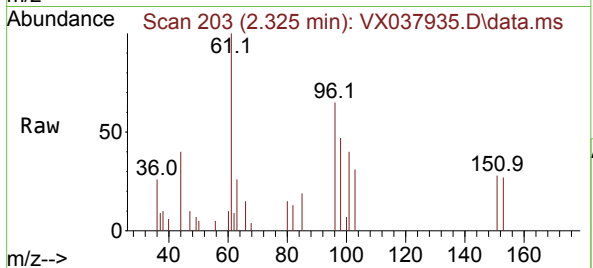
Lab File: VX037935.D

Acq: 27 Sep 2023 20:22

Instrument :

MSVOA_X

ClientSampleId :



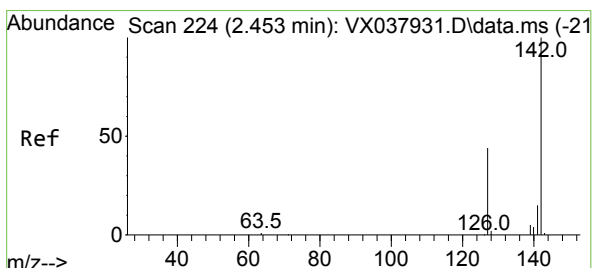
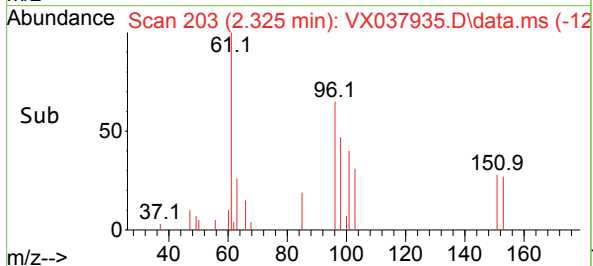
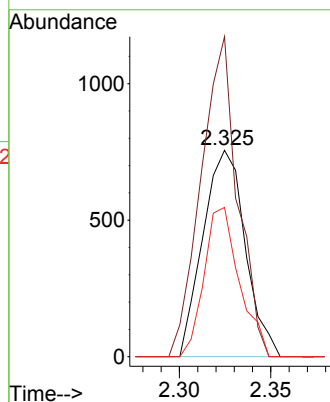
Tgt Ion: 96 Resp: 1216

Ion Ratio Lower Upper

96 100

61 155.0 127.2 190.8

98 72.4 52.7 79.1



#11

Methyl Iodide

Concen: 0.326 ug/l

RT: 2.453 min Scan# 224

Delta R.T. -0.000 min

Lab File: VX037935.D

Acq: 27 Sep 2023 20:22

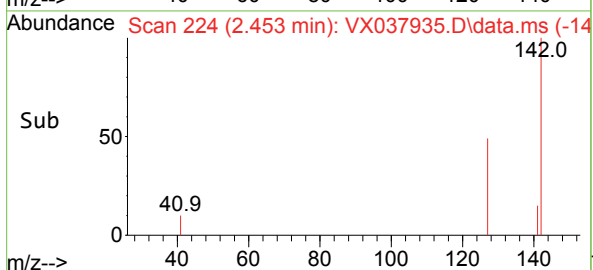
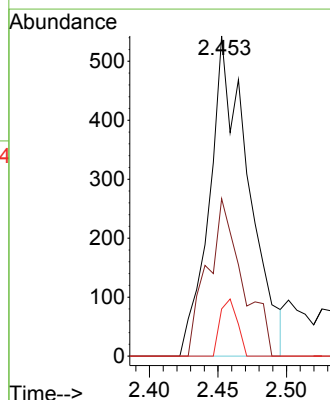
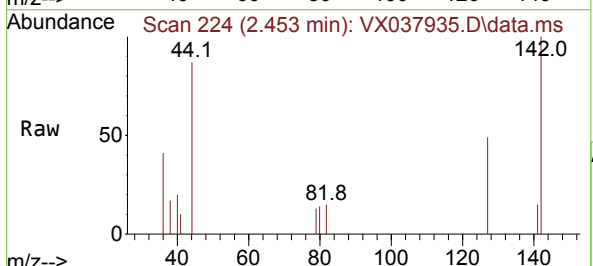
Tgt Ion: 142 Resp: 1075

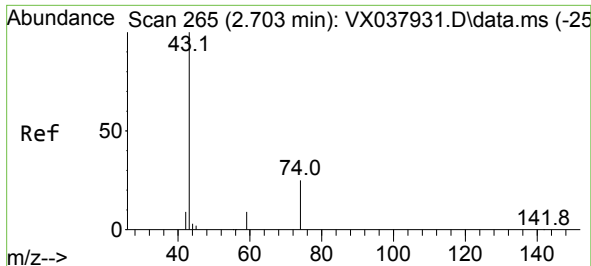
Ion Ratio Lower Upper

142 100

127 53.0 22.9 68.8

141 15.9 7.5 22.6

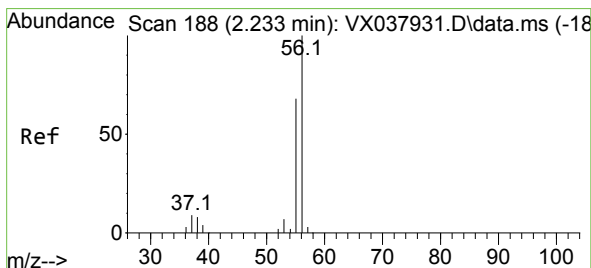
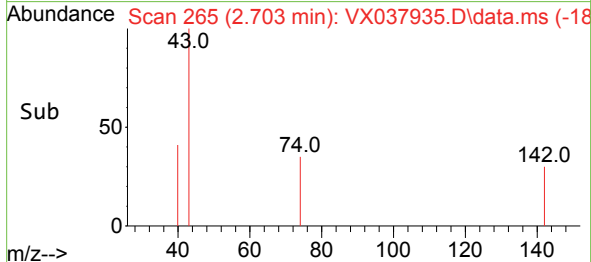
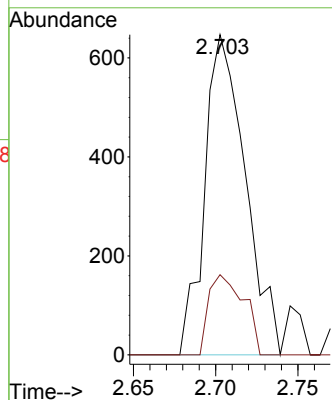
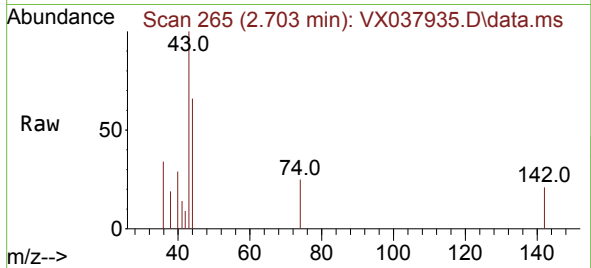




#12
Methyl Acetate
Concen: 0.224 ug/l
RT: 2.703 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX037935.D
Acq: 27 Sep 2023 20:22

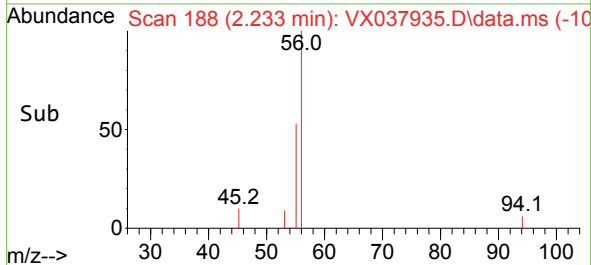
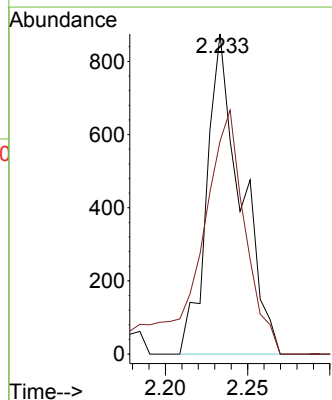
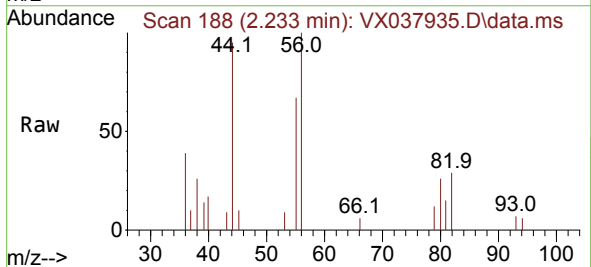
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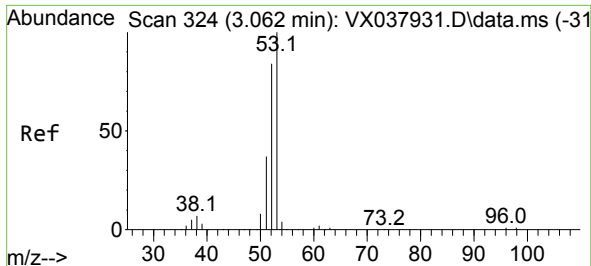
Tgt Ion: 43 Resp: 1112
Ion Ratio Lower Upper
43 100
74 25.0 20.3 30.5



#13
Acrolein
Concen: 2.214 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.000 min
Lab File: VX037935.D
Acq: 27 Sep 2023 20:22

Tgt Ion: 56 Resp: 1266
Ion Ratio Lower Upper
56 100
55 89.7 59.7 89.5#

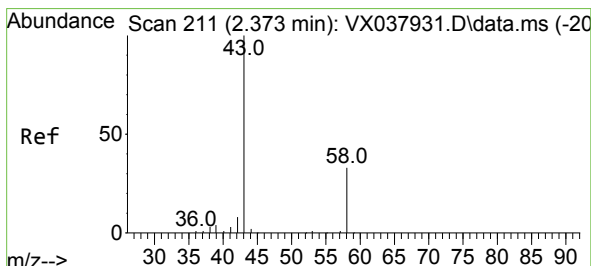
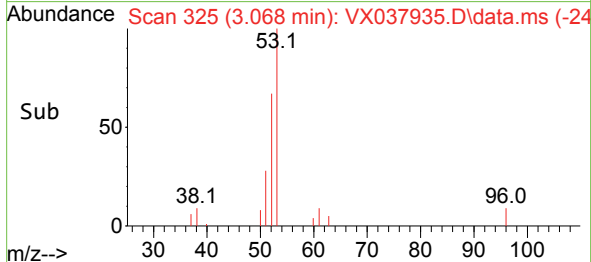
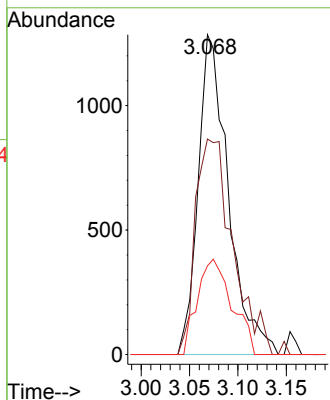
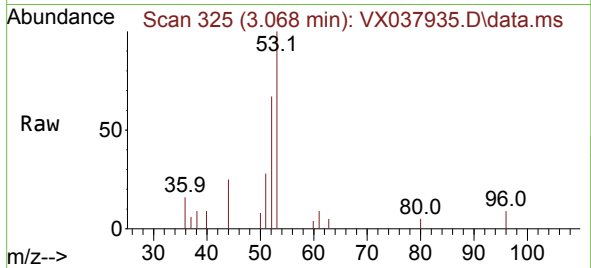




#14
Acrylonitrile
Concen: 2.045 ug/l
RT: 3.068 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX037935.D
Acq: 27 Sep 2023 20:22

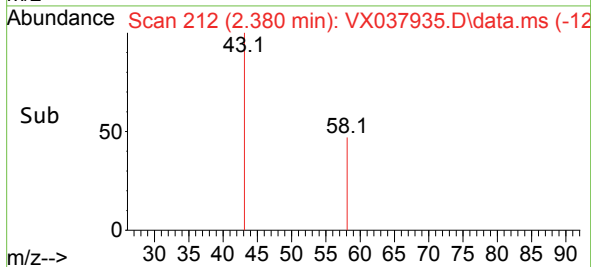
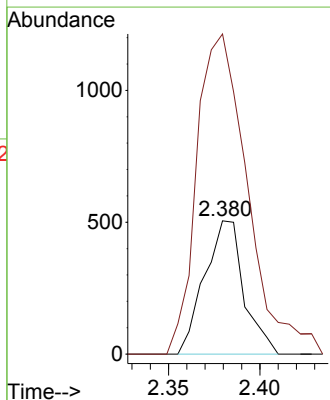
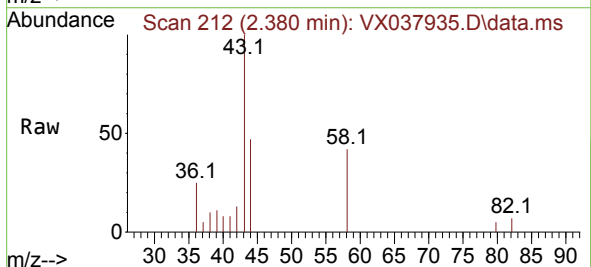
Instrument :
MSVOA_X
ClientSampleId :

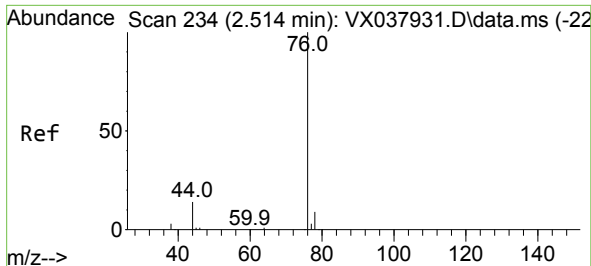
Tgt Ion: 53 Resp: 2798
Ion Ratio Lower Upper
53 100
52 79.5 40.0 119.9
51 30.6 18.2 54.6



#15
Acetone
Concen: 1.913 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX037935.D
Acq: 27 Sep 2023 20:22

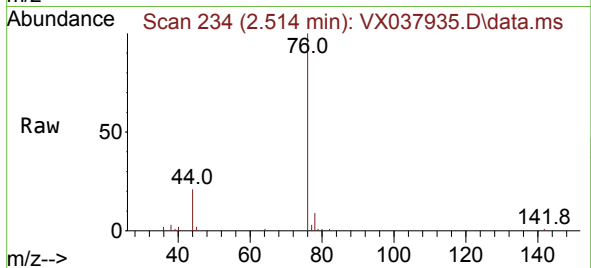
Tgt Ion: 58 Resp: 757
Ion Ratio Lower Upper
58 100
43 217.6 261.0 391.4#



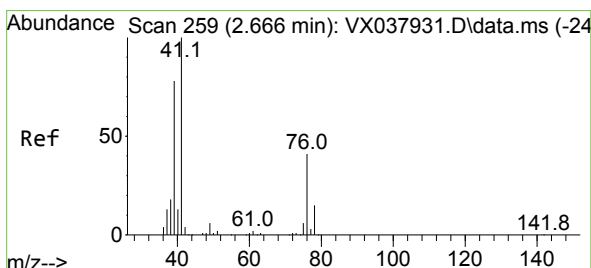
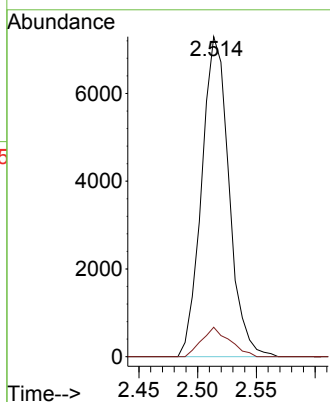
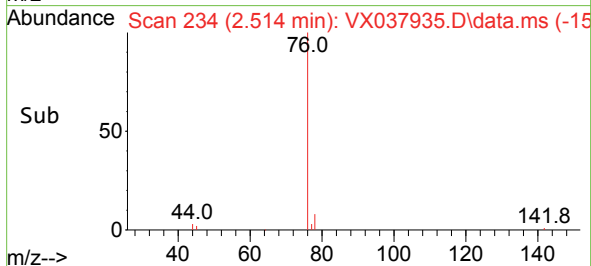


#16
Carbon Disulfide
Concen: 1.986 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037935.D
Acq: 27 Sep 2023 20:22

Instrument :
MSVOA_X
ClientSampleId :

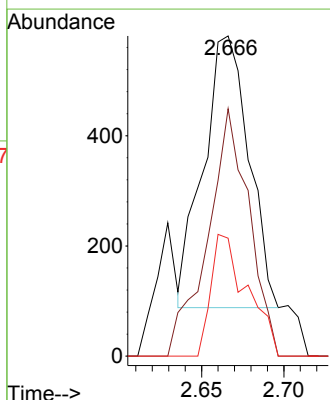
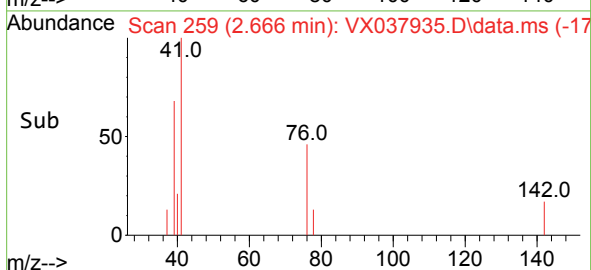
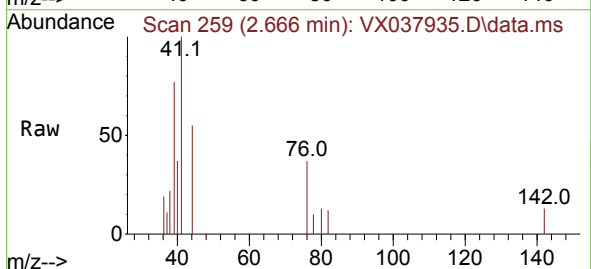


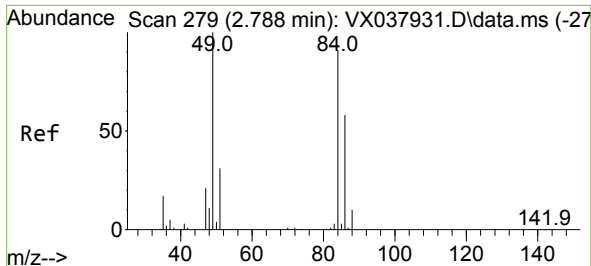
Tgt Ion: 76 Resp: 11813
Ion Ratio Lower Upper
76 100
78 9.2 8.0 12.0



#17
Allyl chloride
Concen: 0.254 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX037935.D
Acq: 27 Sep 2023 20:22

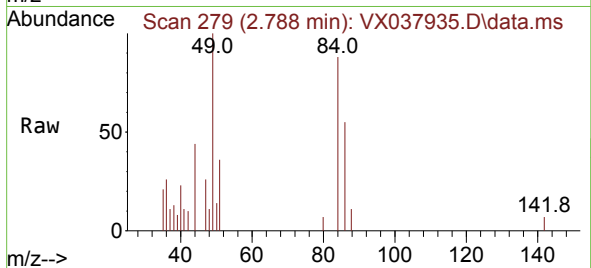
Tgt Ion: 41 Resp: 948
Ion Ratio Lower Upper
41 100
39 91.1 38.5 115.3
76 43.4 18.6 55.8



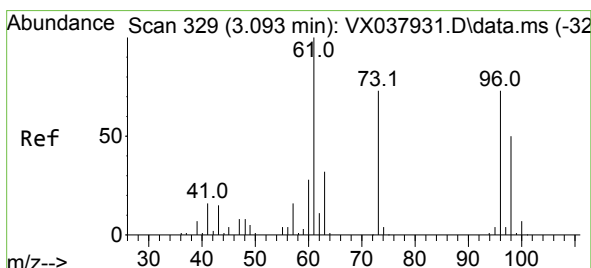
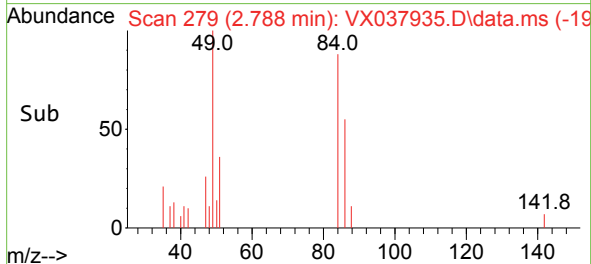
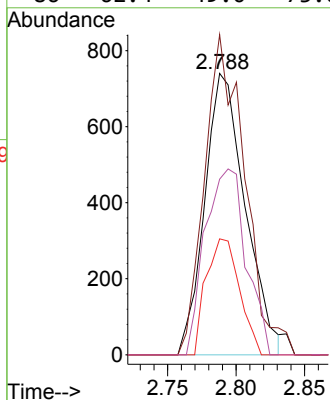


#18
Methylene Chloride
Concen: 0.522 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037935.D
Acq: 27 Sep 2023 20:22

Instrument :
MSVOA_X
ClientSampleId :

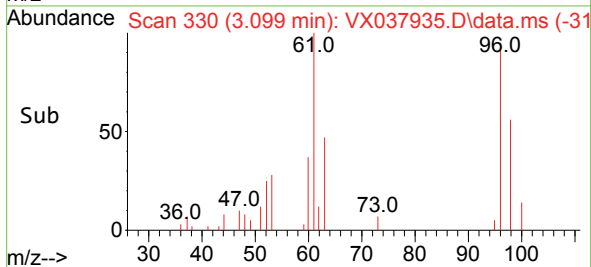
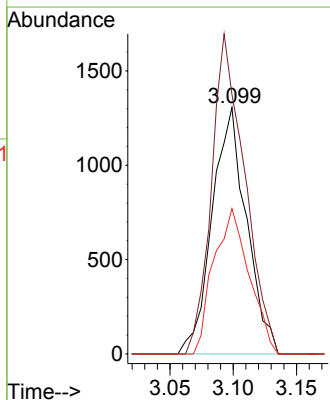
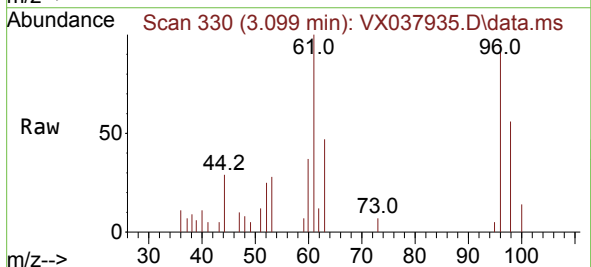


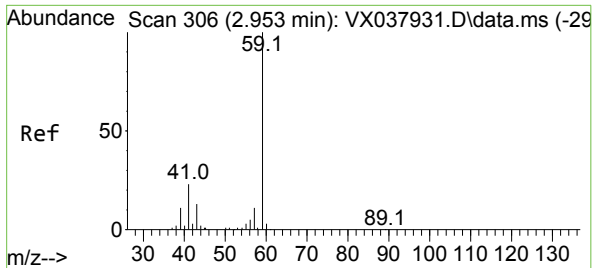
Tgt Ion: 84	Resp: 1526
Ion Ratio	Lower Upper
84 100	
49 113.8	95.4 143.0
51 41.2	28.3 42.5
86 62.4	49.0 73.6



#19
trans-1,2-Dichloroethene
Concen: 0.898 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX037935.D
Acq: 27 Sep 2023 20:22

Tgt Ion: 96	Resp: 2468		
Ion Ratio	Lower	Upper	
96 100			
61 105.3	108.7	163.1#	
98 59.0	49.1	73.7	

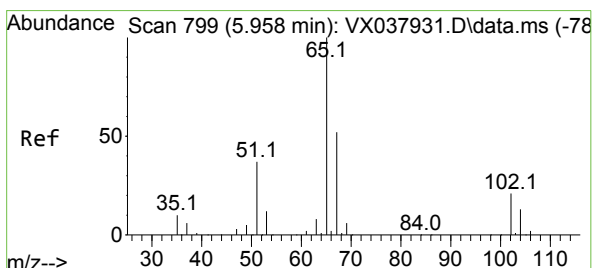
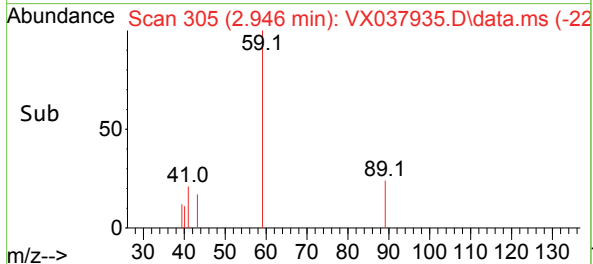
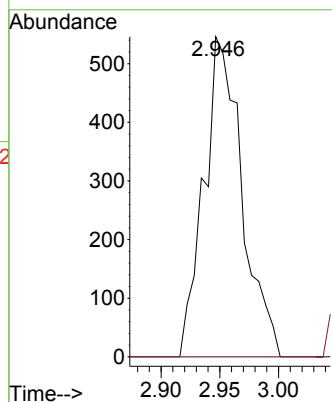
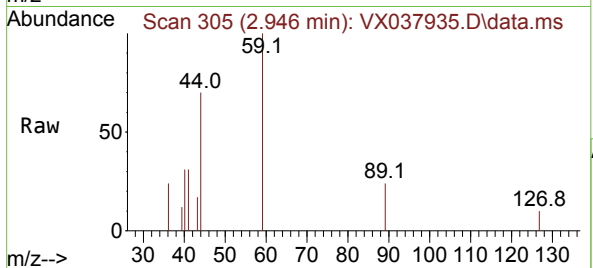




#23
tert-Butyl Alcohol
Concen: 2.155 ug/l
RT: 2.946 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX037935.D
Acq: 27 Sep 2023 20:22

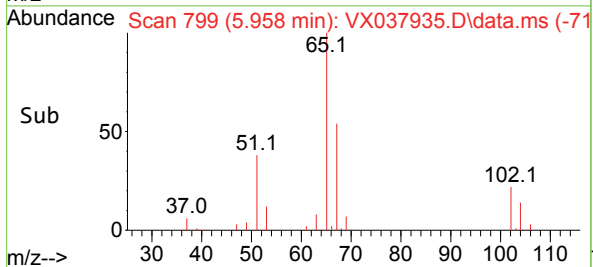
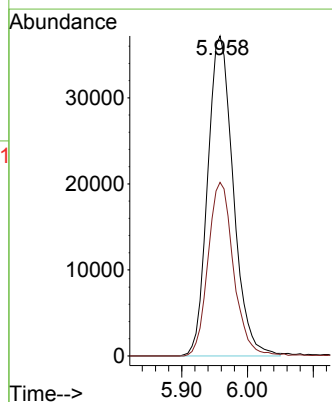
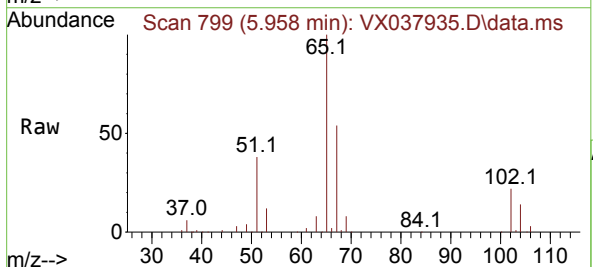
Instrument :
MSVOA_X
ClientSampleId :

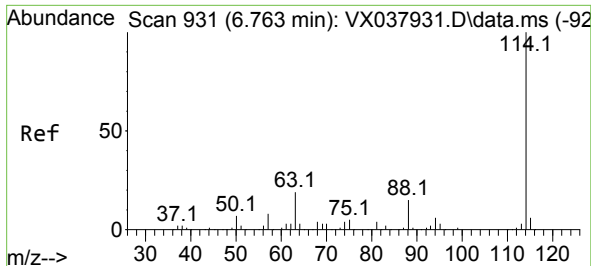
Tgt Ion: 59 Resp: 1230
Ion Ratio Lower Upper
59 100
52 0.0 142.6 213.8#



#27
1,2-Dichloroethane-d4
Concen: 29.693 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX037935.D
Acq: 27 Sep 2023 20:22

Tgt Ion: 65 Resp: 100771
Ion Ratio Lower Upper
65 100
67 53.9 42.1 63.1





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX037935.D

Acq: 27 Sep 2023 20:22

Instrument :

MSVOA_X

ClientSampleId :

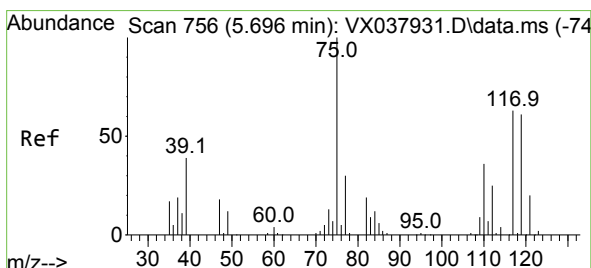
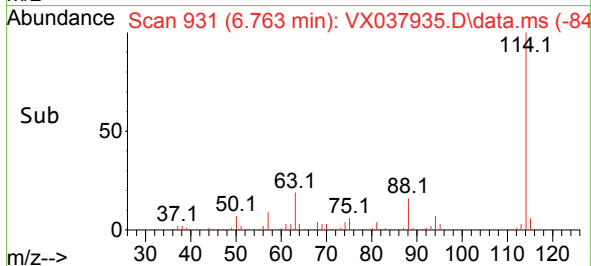
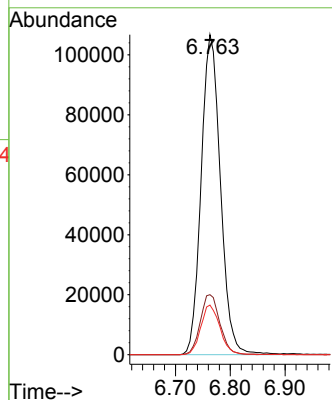
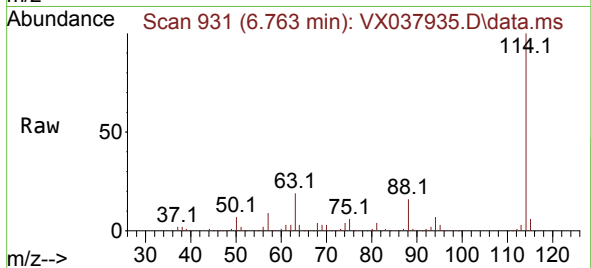
Tgt Ion:114 Resp: 261024

Ion Ratio Lower Upper

114 100

63 18.9 16.6 24.8

88 15.4 12.9 19.3



#29

1,1-Dichloropropene

Concen: 0.621 ug/l

RT: 5.696 min Scan# 756

Delta R.T. -0.000 min

Lab File: VX037935.D

Acq: 27 Sep 2023 20:22

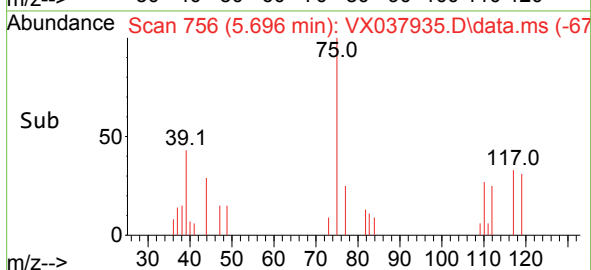
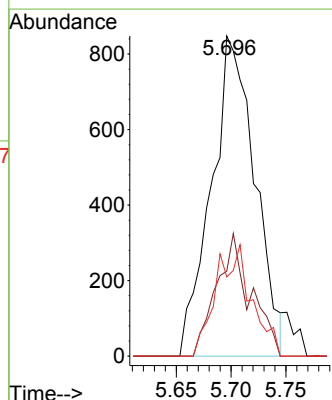
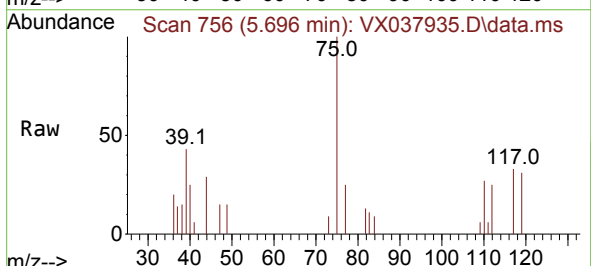
Tgt Ion: 75 Resp: 2344

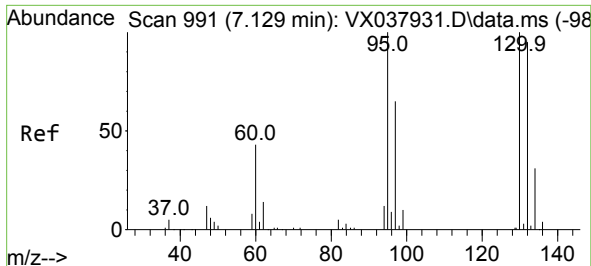
Ion Ratio Lower Upper

75 100

110 22.4 0.0 70.4

77 10.7 0.0 62.8





#37

Trichloroethene

Concen: 0.628 ug/l

RT: 7.135 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX037935.D

Acq: 27 Sep 2023 20:22

Instrument :

MSVOA_X

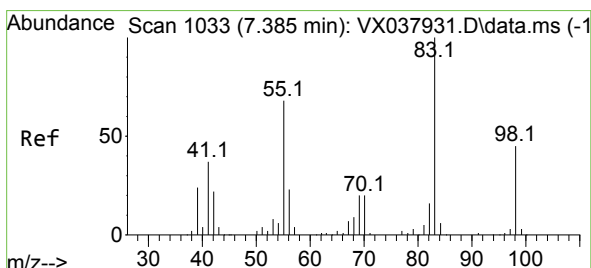
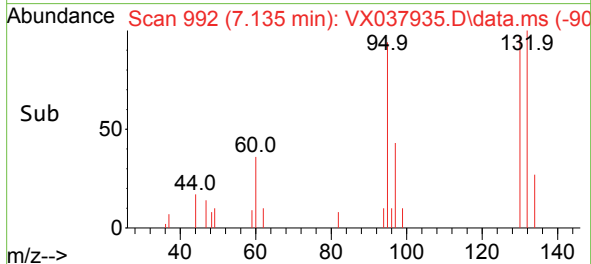
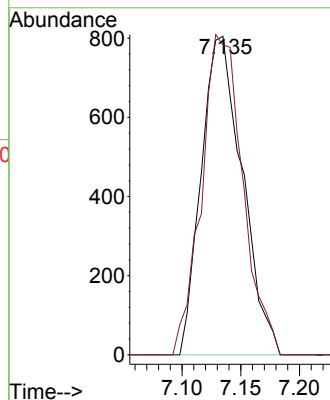
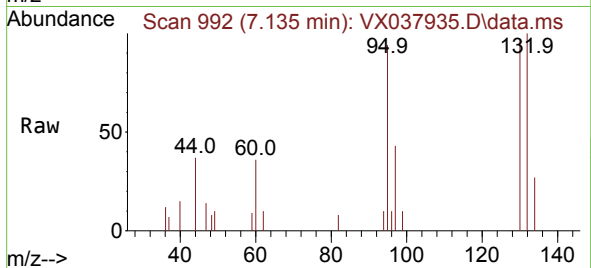
ClientSampleId :

Tgt Ion:130 Resp: 1954

Ion Ratio Lower Upper

130 100

95 97.3 83.2 124.8



#38

Methylcyclohexane

Concen: 0.412 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VX037935.D

Acq: 27 Sep 2023 20:22

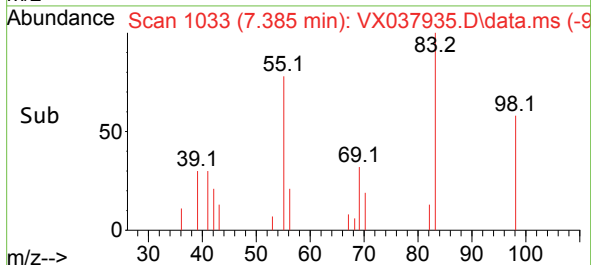
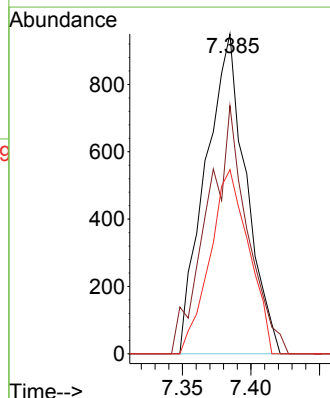
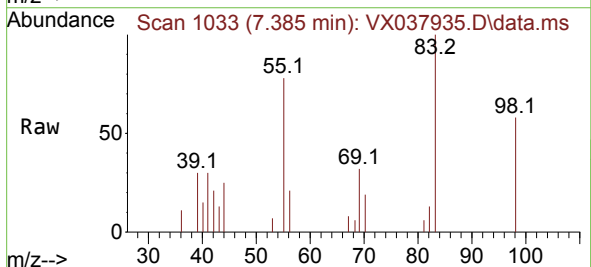
Tgt Ion: 83 Resp: 1956

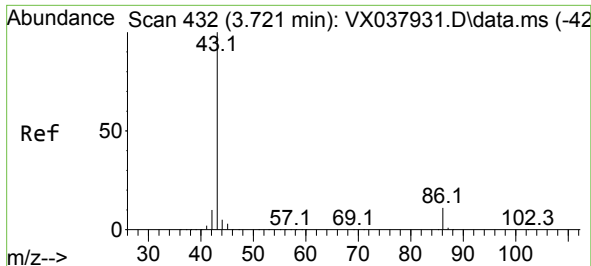
Ion Ratio Lower Upper

83 100

55 41.0 38.1 114.5

98 55.3 24.4 73.4

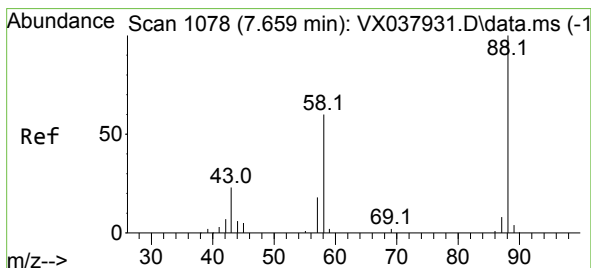
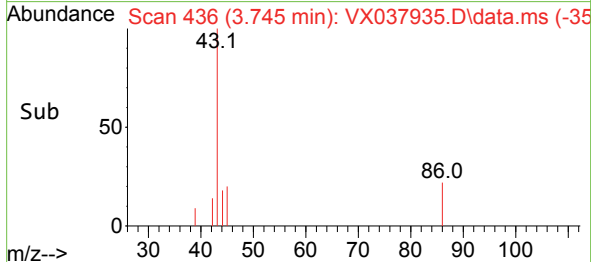
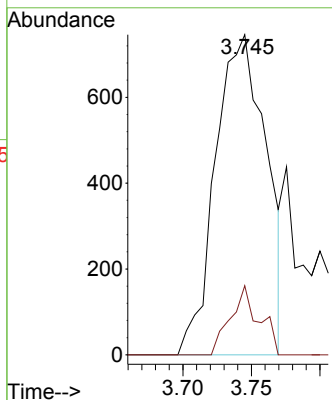
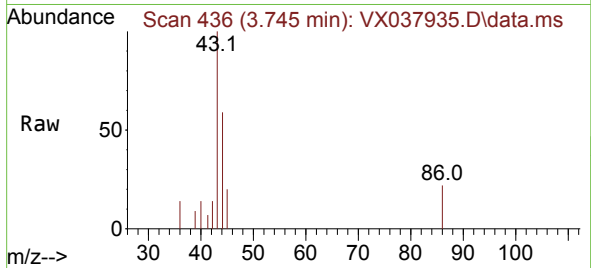




#42
 Vinyl Acetate
 Concen: 0.337 ug/l
 RT: 3.745 min Scan# 41
 Delta R.T. 0.024 min
 Lab File: VX037935.D
 Acq: 27 Sep 2023 20:22

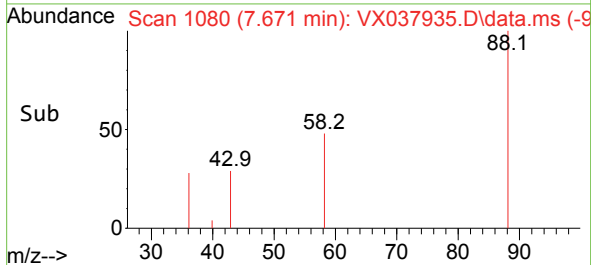
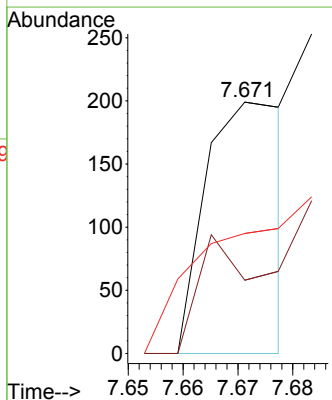
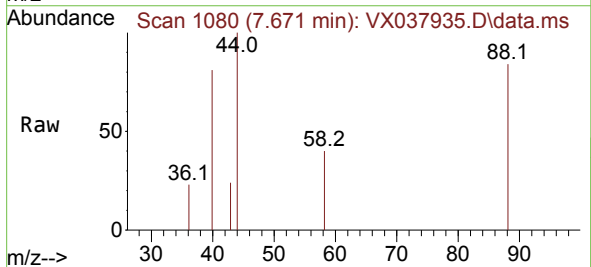
Instrument :
 MSVOA_X
 ClientSampleId :

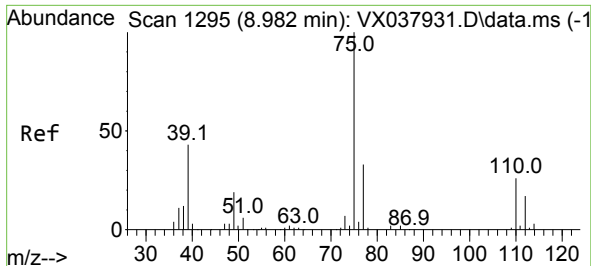
Tgt Ion: 43 Resp: 1921
 Ion Ratio Lower Upper
 43 100
 86 10.5 7.4 11.0



#45
 1,4-Dioxane
 Concen: 3.004 ug/l
 RT: 7.671 min Scan# 1080
 Delta R.T. 0.012 min
 Lab File: VX037935.D
 Acq: 27 Sep 2023 20:22

Tgt Ion: 88 Resp: 205
 Ion Ratio Lower Upper
 88 100
 43 27.3 297.5 446.3#
 58 0.0 1.0 1.4#

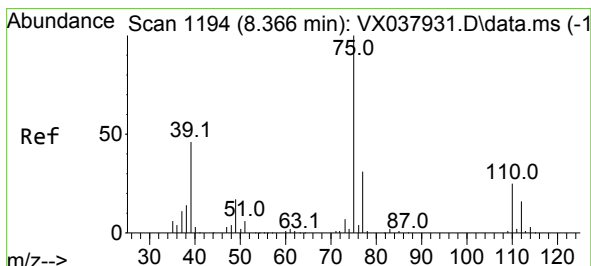
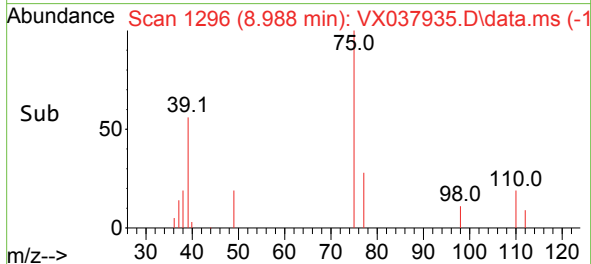
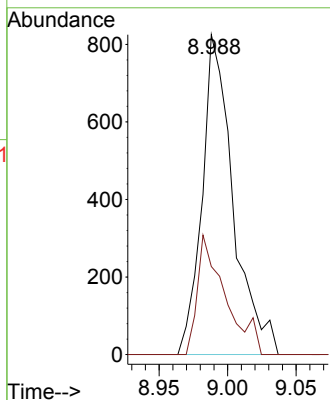
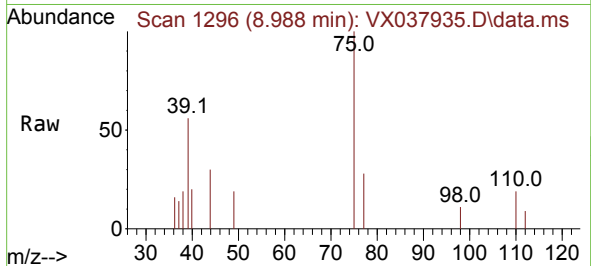




#48
t-1,3-Dichloropropene
Concen: 0.309 ug/l
RT: 8.988 min Scan# 1196
Delta R.T. 0.006 min
Lab File: VX037935.D
Acq: 27 Sep 2023 20:22

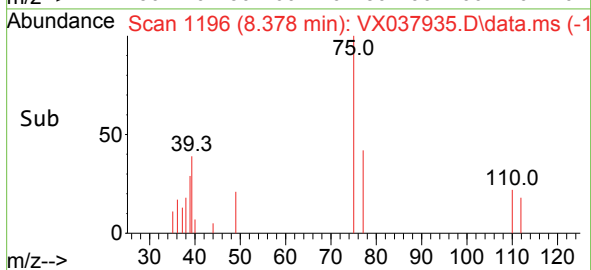
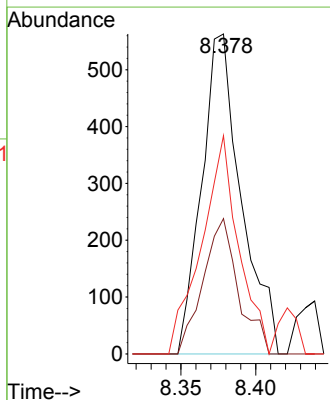
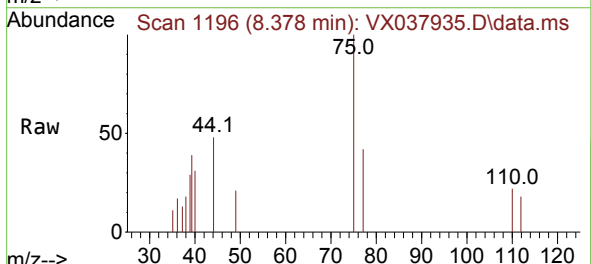
Instrument :
MSVOA_X
ClientSampleId :

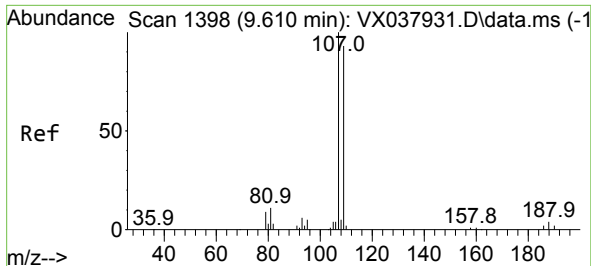
Tgt Ion: 75 Resp: 1303
Ion Ratio Lower Upper
75 100
77 27.5 26.8 40.2



#49
cis-1,3-Dichloropropene
Concen: 0.228 ug/l
RT: 8.378 min Scan# 1196
Delta R.T. 0.012 min
Lab File: VX037935.D
Acq: 27 Sep 2023 20:22

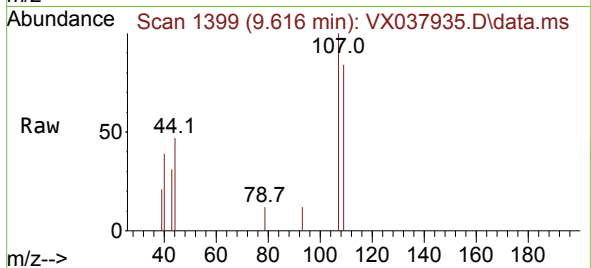
Tgt Ion: 75 Resp: 1034
Ion Ratio Lower Upper
75 100
77 42.3 25.4 38.2#
39 58.8 40.2 60.4



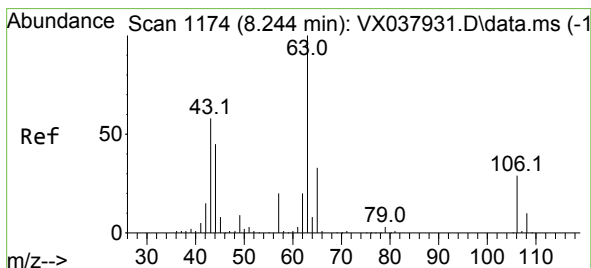
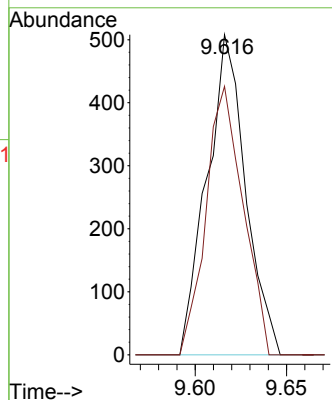
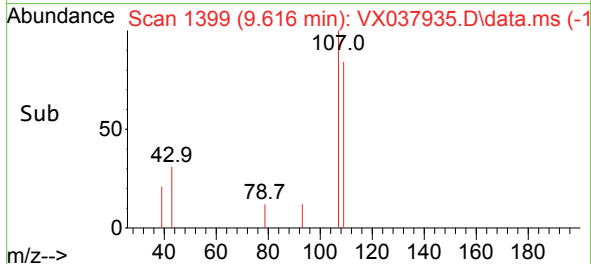


#54
1,2-Dibromoethane
Concen: 0.227 ug/l
RT: 9.616 min Scan# 1175
Delta R.T. 0.006 min
Lab File: VX037935.D
Acq: 27 Sep 2023 20:22

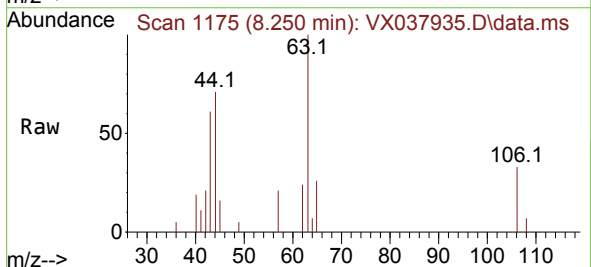
Instrument :
MSVOA_X
ClientSampleId :



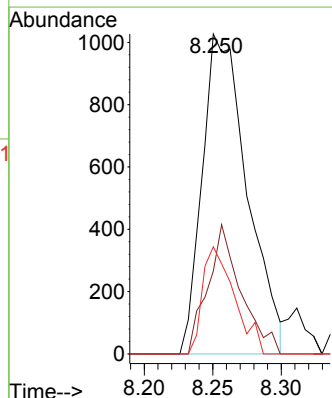
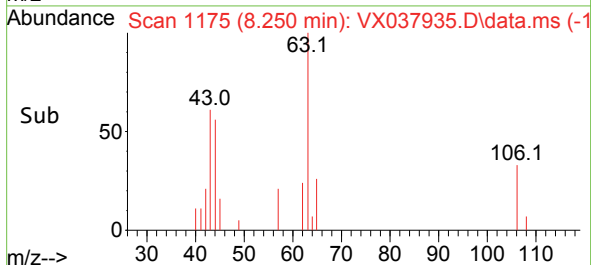
Tgt Ion:107 Resp: 749
Ion Ratio Lower Upper
107 100
109 80.4 74.7 112.1

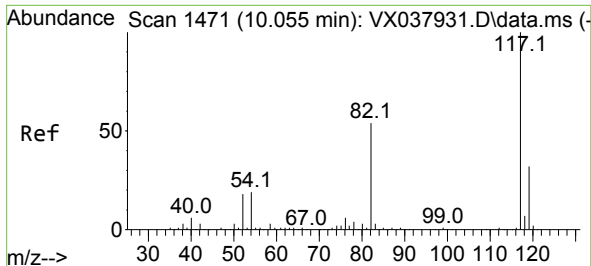


#55
2-Chloroethyl vinyl ether
Concen: 1.070 ug/l
RT: 8.250 min Scan# 1175
Delta R.T. 0.006 min
Lab File: VX037935.D
Acq: 27 Sep 2023 20:22



Tgt Ion: 63 Resp: 2338
Ion Ratio Lower Upper
63 100
65 29.9 25.9 38.9
106 23.7 21.8 32.8





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

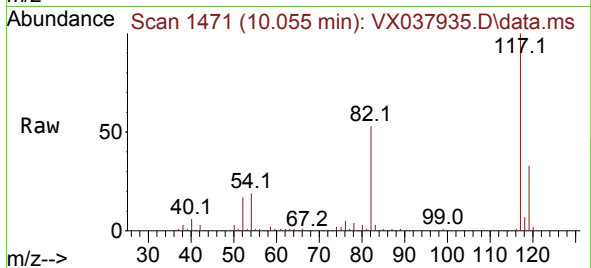
Lab File: VX037935.D

Acq: 27 Sep 2023 20:22

Instrument :

MSVOA_X

ClientSampleId :



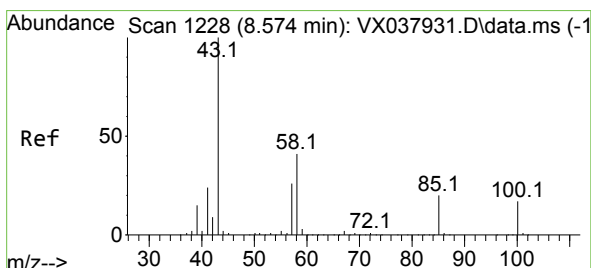
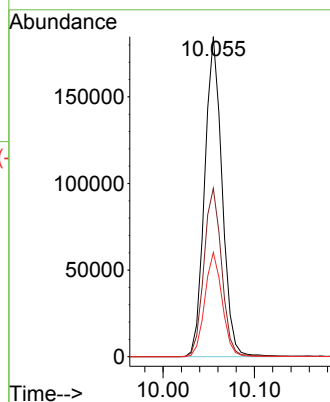
Tgt Ion:117 Resp: 244075

Ion Ratio Lower Upper

117 100

82 53.5 44.7 67.1

119 32.4 25.6 38.4



#58

4-Methyl-2-Pentanone

Concen: 0.488 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX037935.D

Acq: 27 Sep 2023 20:22

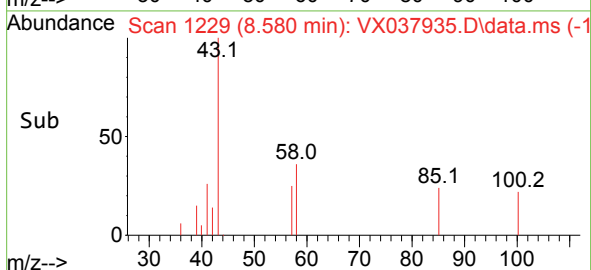
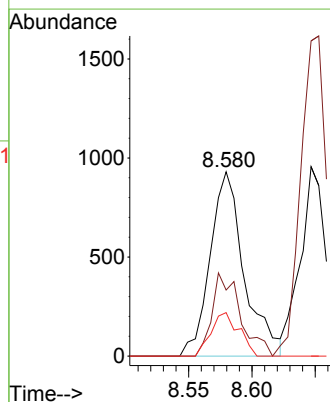
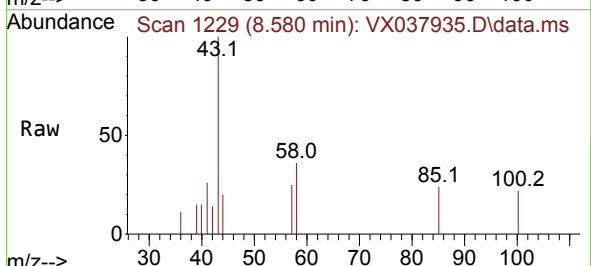
Tgt Ion: 43 Resp: 1744

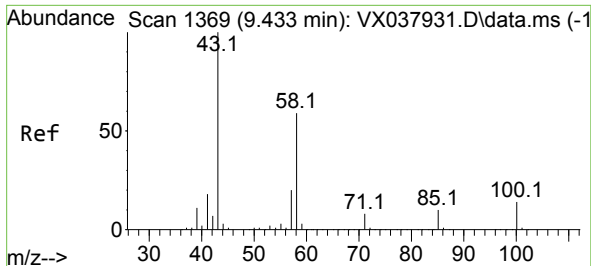
Ion Ratio Lower Upper

43 100

58 33.8 30.9 46.3

85 19.2 14.4 21.6





#59

2-Hexanone

Concen: 0.795 ug/l

RT: 9.445 min Scan# 11

Delta R.T. 0.012 min

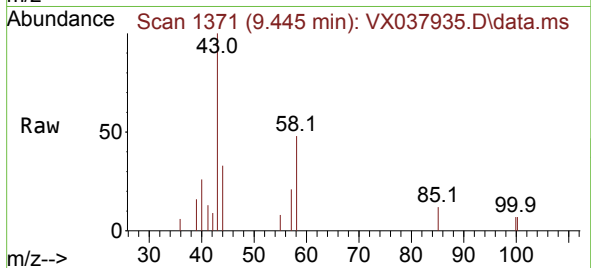
Lab File: VX037935.D

Acq: 27 Sep 2023 20:22

Instrument :

MSVOA_X

ClientSampleId :



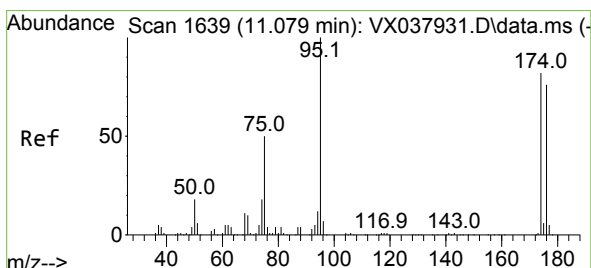
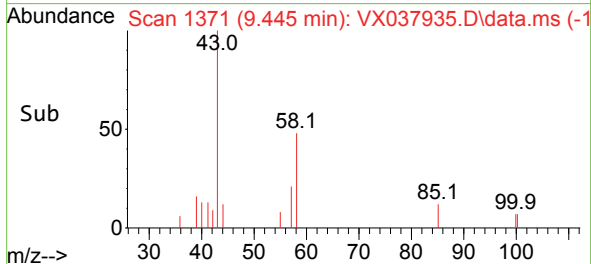
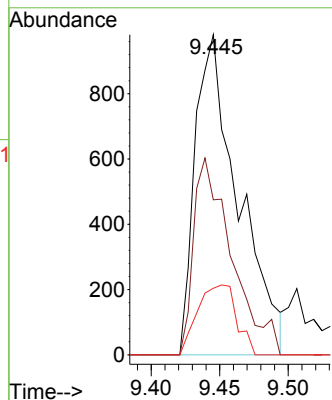
Tgt Ion: 43 Resp: 2156

Ion Ratio Lower Upper

43 100

58 52.3 43.4 65.2

57 19.6 15.1 22.7



#60

4-Bromofluorobenzene

Concen: 27.928 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX037935.D

Acq: 27 Sep 2023 20:22

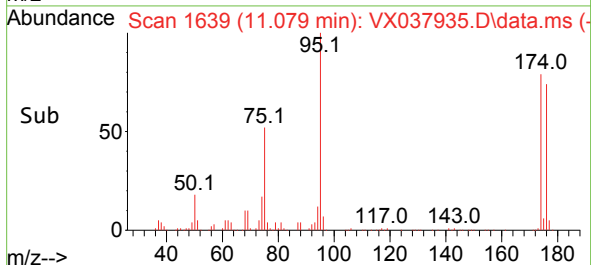
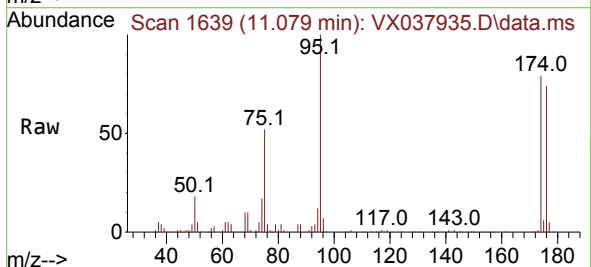
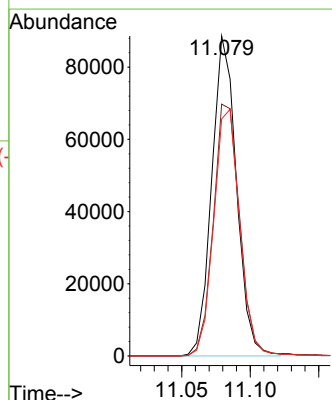
Tgt Ion: 95 Resp: 111123

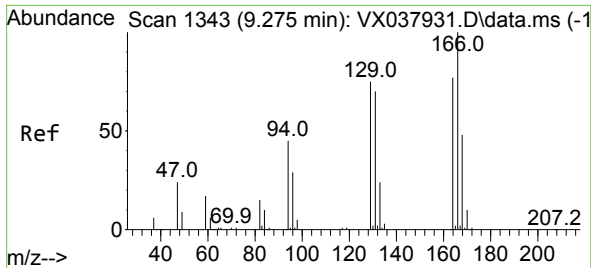
Ion Ratio Lower Upper

95 100

174 84.2 60.5 90.7

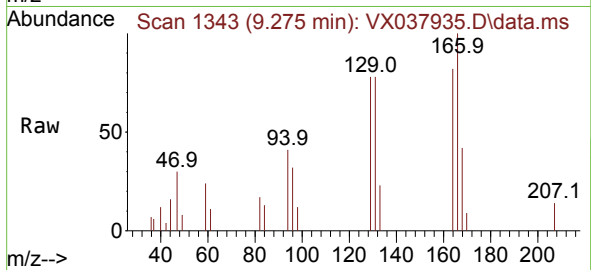
176 81.3 58.2 87.4





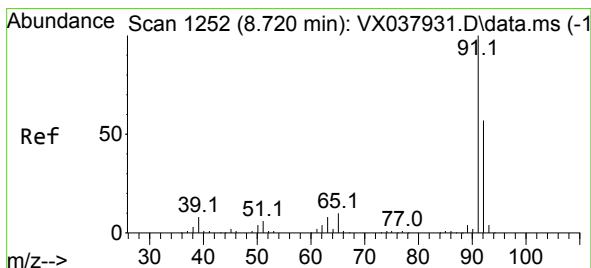
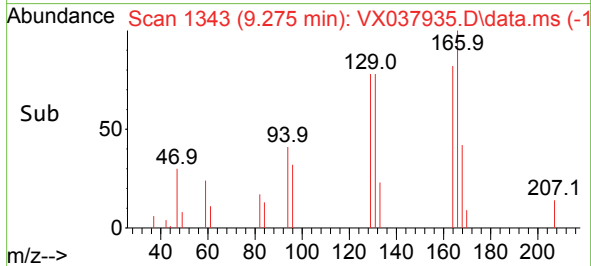
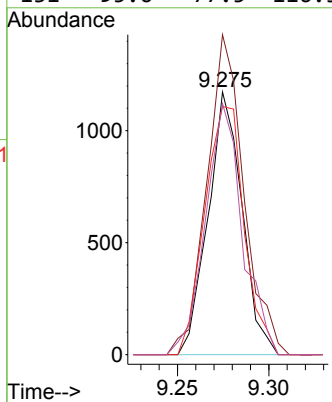
#61
Tetrachloroethene
Concen: 0.584 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037935.D
Acq: 27 Sep 2023 20:22

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:164 Resp: 1517

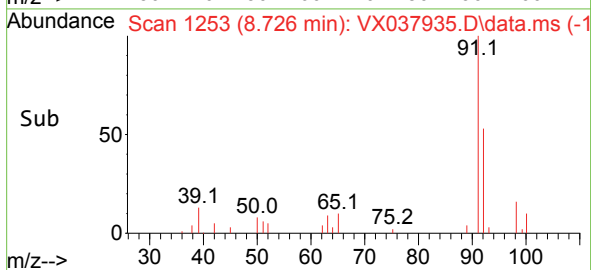
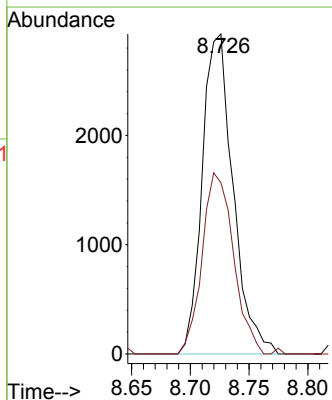
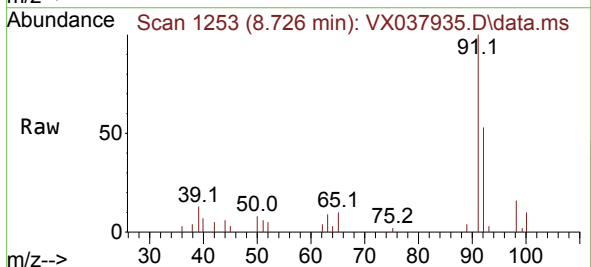
Ion	Ratio	Lower	Upper
164	100		
166	117.5	104.5	156.7
129	94.5	78.0	117.0
131	95.6	77.5	116.3

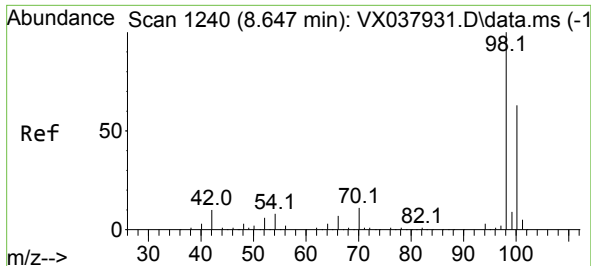


#62
Toluene
Concen: 0.422 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX037935.D
Acq: 27 Sep 2023 20:22

Tgt Ion: 91 Resp: 5344

Ion	Ratio	Lower	Upper
91	100		
92	57.6	44.9	67.3

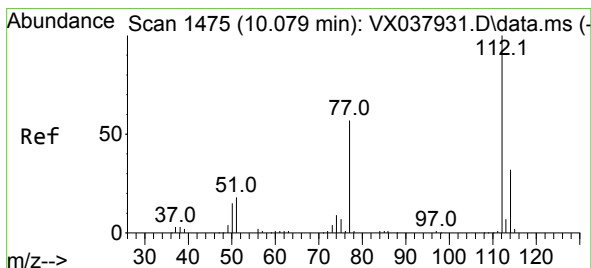
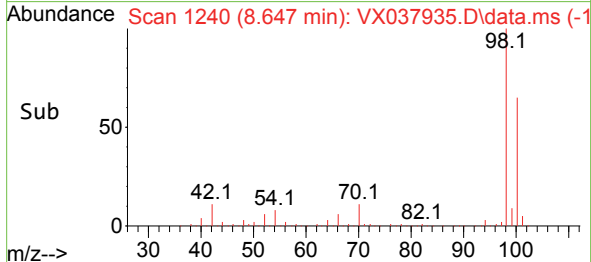
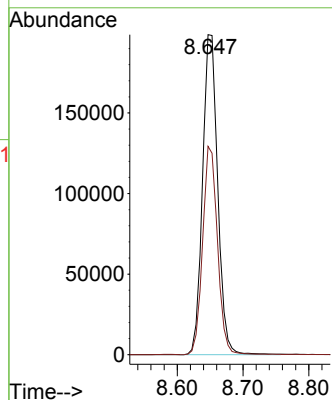
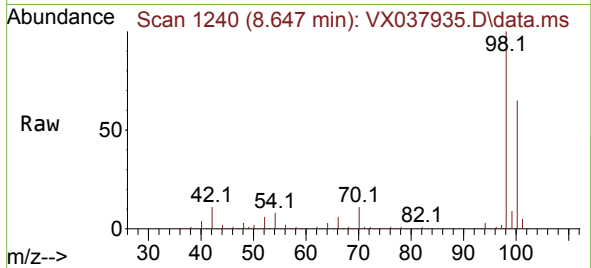




#63
Toluene-d8
Concen: 30.162 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037935.D
Acq: 27 Sep 2023 20:22

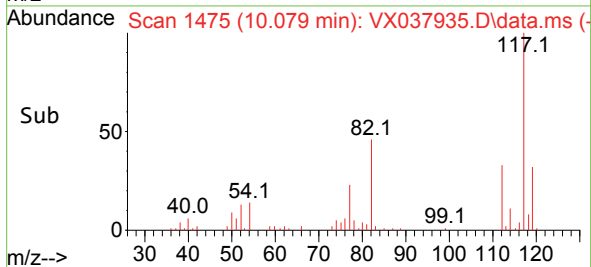
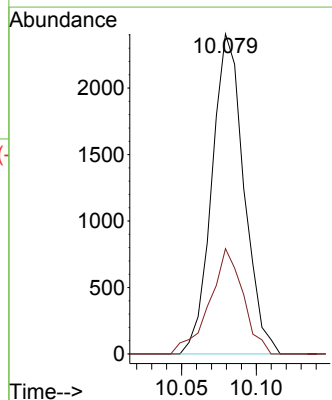
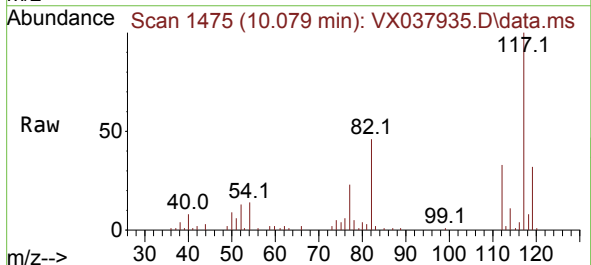
Instrument :
MSVOA_X
ClientSampleId :

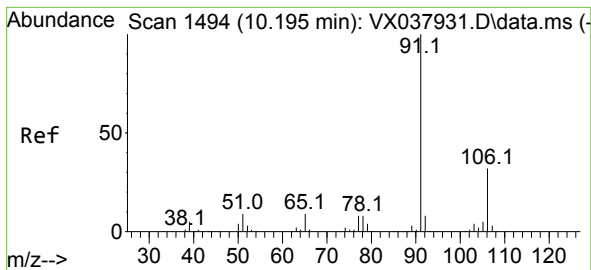
Tgt Ion: 98 Resp: 317792
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4



#64
Chlorobenzene
Concen: 0.454 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX037935.D
Acq: 27 Sep 2023 20:22

Tgt Ion: 112 Resp: 3588
Ion Ratio Lower Upper
112 100
114 32.9 25.8 38.6

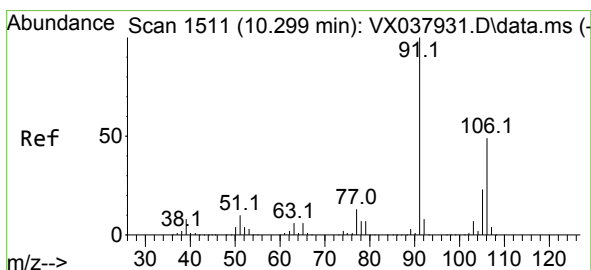
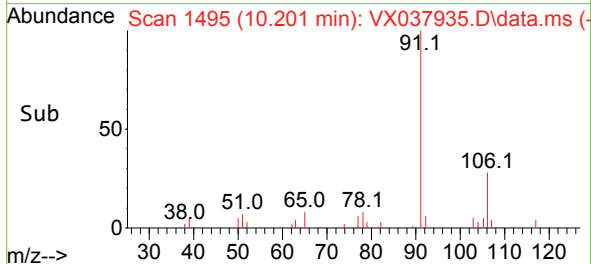
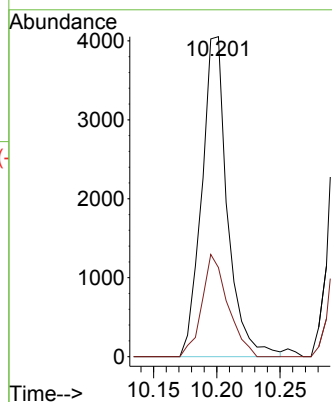
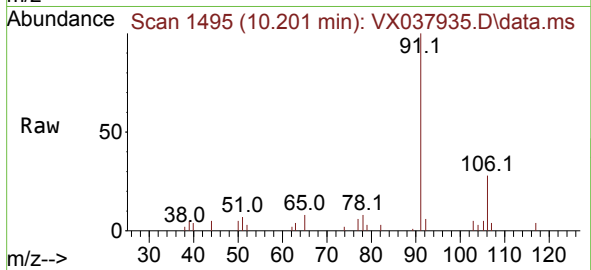




#66
Ethyl Benzene
Concen: 0.412 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX037935.D
Acq: 27 Sep 2023 20:22

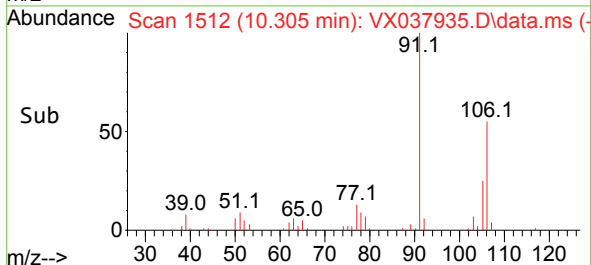
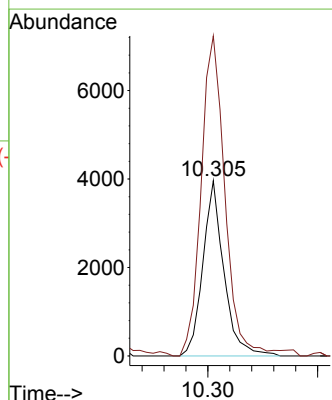
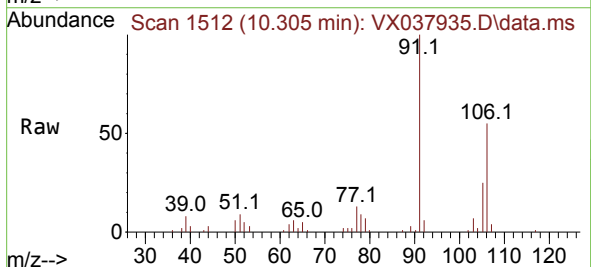
Instrument :
MSVOA_X
ClientSampleId :

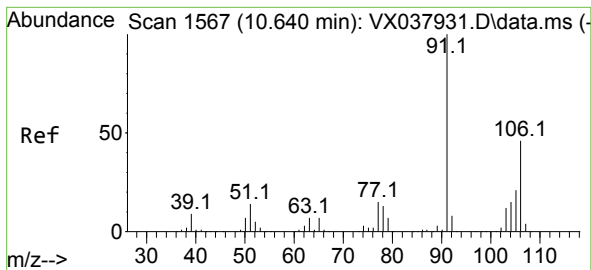
Tgt Ion: 91 Resp: 5755
Ion Ratio Lower Upper
91 100
106 27.9 24.2 36.4



#67
m/p-Xylenes
Concen: 0.959 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX037935.D
Acq: 27 Sep 2023 20:22

Tgt Ion: 106 Resp: 5278
Ion Ratio Lower Upper
106 100
91 204.6 160.5 240.7





#68

o-Xylene

Concen: 0.329 ug/l

RT: 10.646 min Scan# 1571

Delta R.T. 0.006 min

Lab File: VX037935.D

Acq: 27 Sep 2023 20:22

Instrument :

MSVOA_X

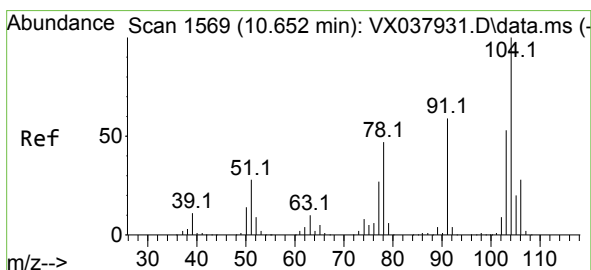
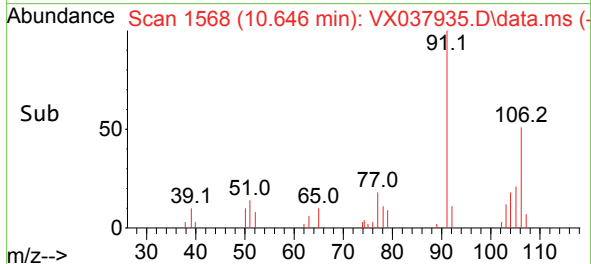
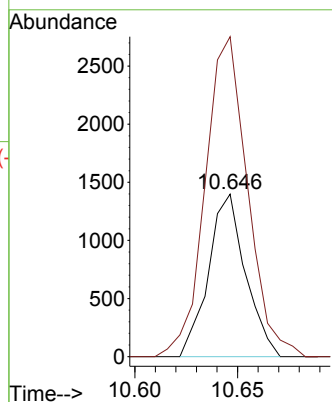
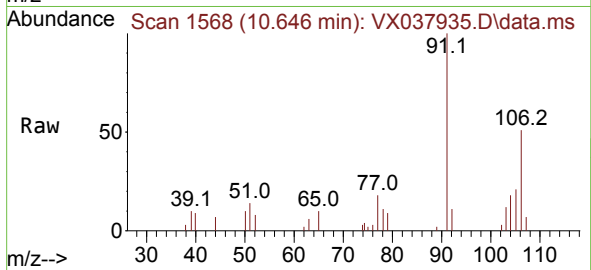
ClientSampleId :

Tgt Ion:106 Resp: 1752

Ion Ratio Lower Upper

106 100

91 225.1 105.4 316.1



#69

Styrene

Concen: 0.347 ug/l

RT: 10.665 min Scan# 1571

Delta R.T. 0.012 min

Lab File: VX037935.D

Acq: 27 Sep 2023 20:22

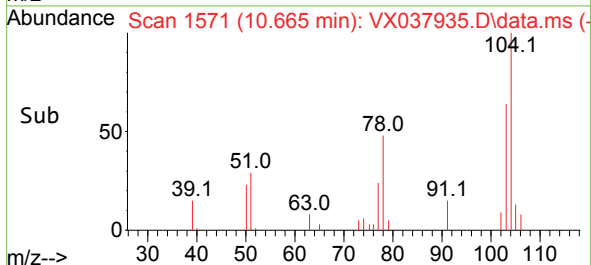
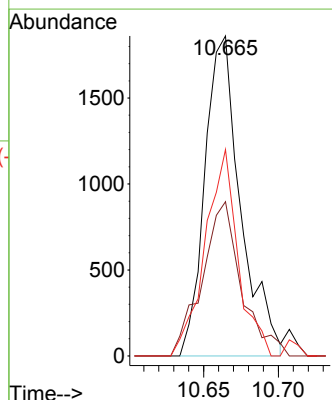
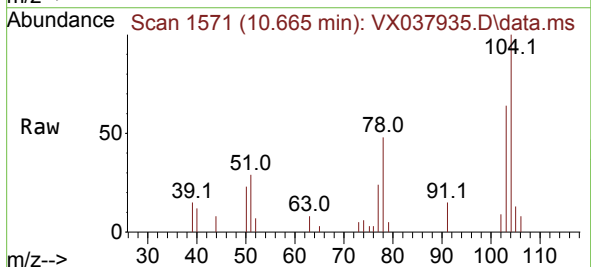
Tgt Ion:104 Resp: 3100

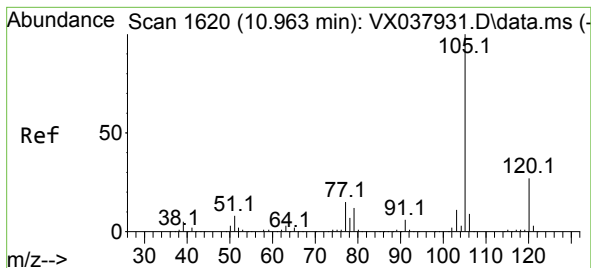
Ion Ratio Lower Upper

104 100

78 50.3 41.0 61.4

103 58.8 45.5 68.3





#70

Isopropylbenzene

Concen: 0.366 ug/l

RT: 10.963 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037935.D

Acq: 27 Sep 2023 20:22

Instrument :

MSVOA_X

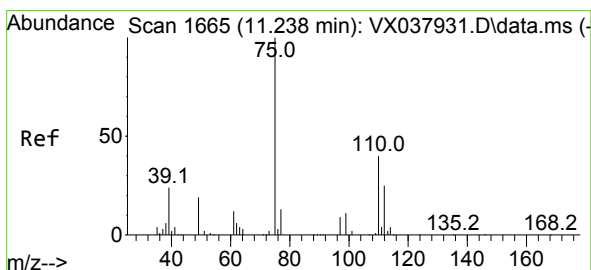
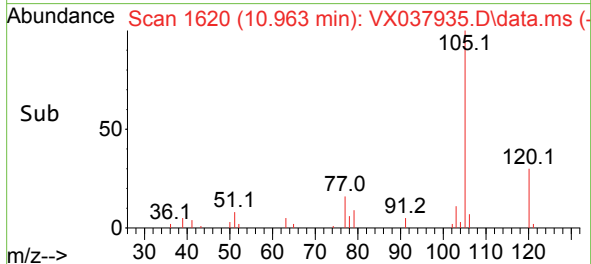
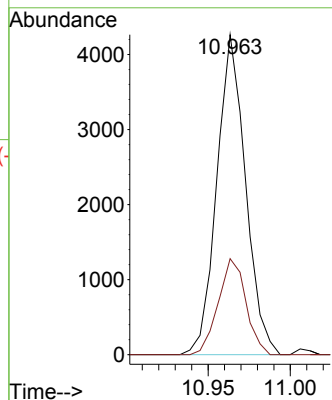
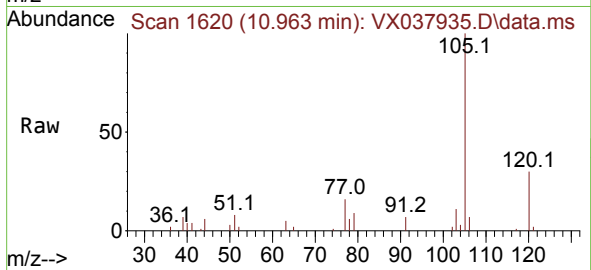
ClientSampleId :

Tgt Ion:105 Resp: 5176

Ion Ratio Lower Upper

105 100

120 28.9 19.5 36.3



#72

1,2,3-Trichloropropane

Concen: 0.256 ug/l

RT: 11.244 min Scan# 1666

Delta R.T. 0.006 min

Lab File: VX037935.D

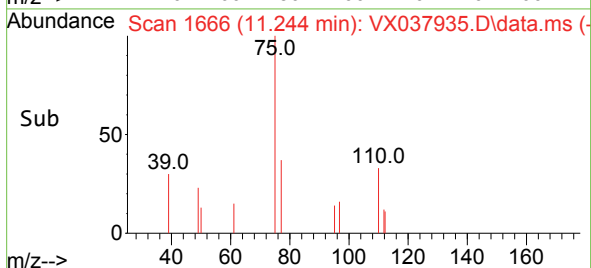
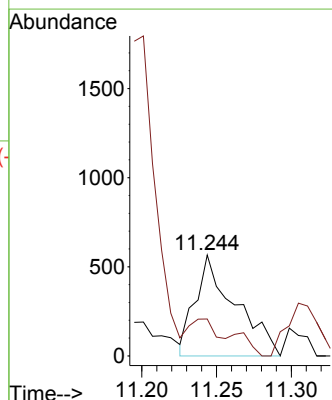
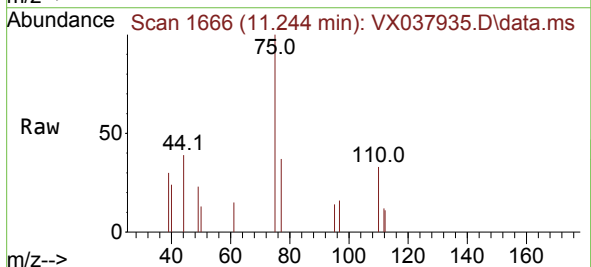
Acq: 27 Sep 2023 20:22

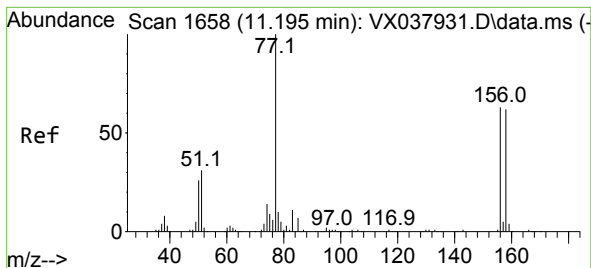
Tgt Ion: 75 Resp: 1050

Ion Ratio Lower Upper

75 100

77 27.4 0.0 77.2





#73

Bromobenzene

Concen: 0.448 ug/l

RT: 11.201 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX037935.D

Acq: 27 Sep 2023 20:22

Instrument :

MSVOA_X

ClientSampleId :

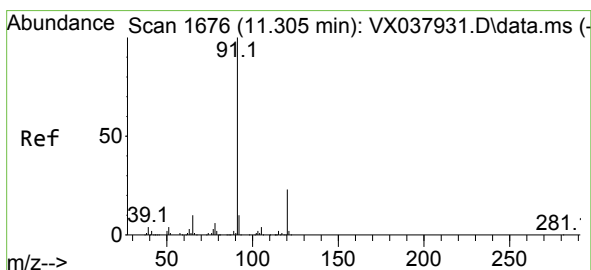
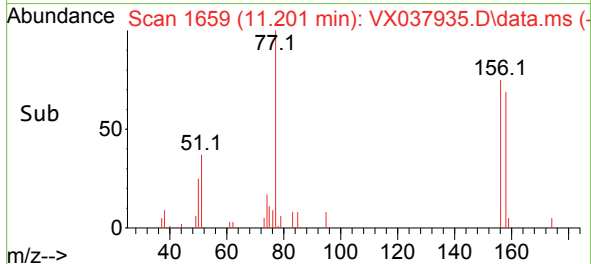
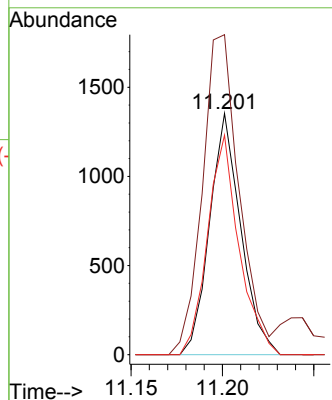
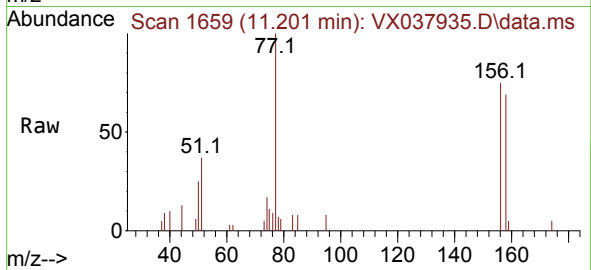
Tgt Ion:156 Resp: 1606

Ion Ratio Lower Upper

156 100

77 156.5 0.0 333.0

158 92.0 0.0 196.4



#74

n-propylbenzene

Concen: 0.508 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX037935.D

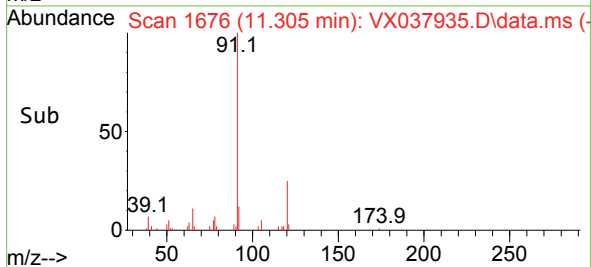
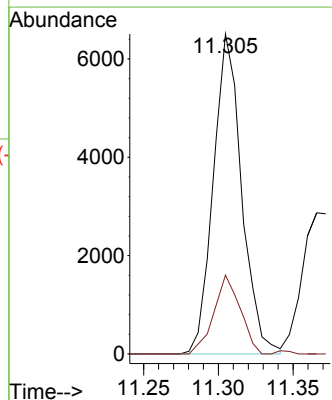
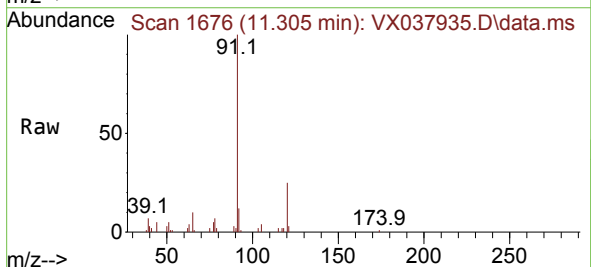
Acq: 27 Sep 2023 20:22

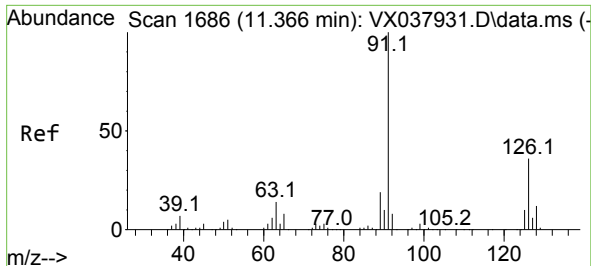
Tgt Ion: 91 Resp: 8581

Ion Ratio Lower Upper

91 100

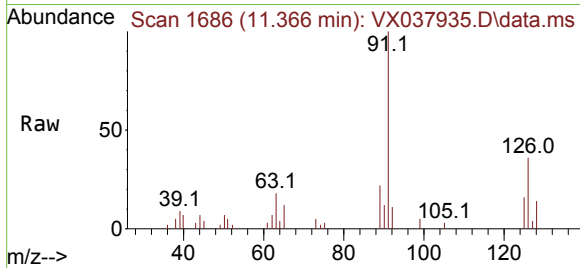
120 23.0 0.0 46.6



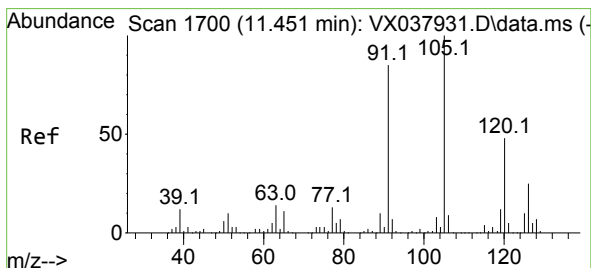
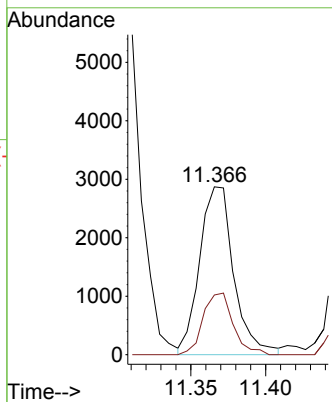
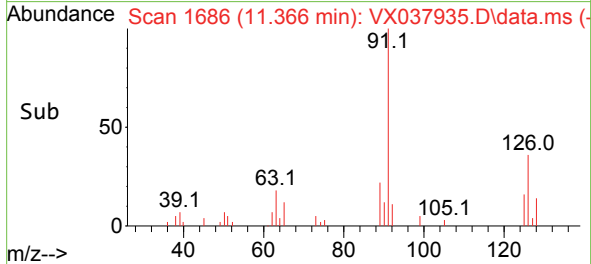


#75
2-Chlorotoluene
Concen: 0.461 ug/l
RT: 11.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX037935.D
Acq: 27 Sep 2023 20:22

Instrument :
MSVOA_X
ClientSampleId :

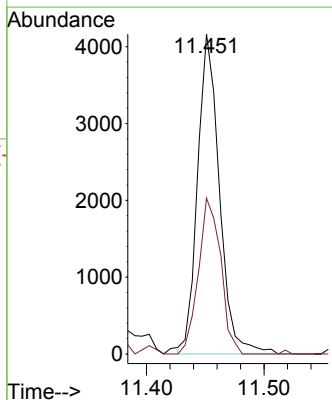
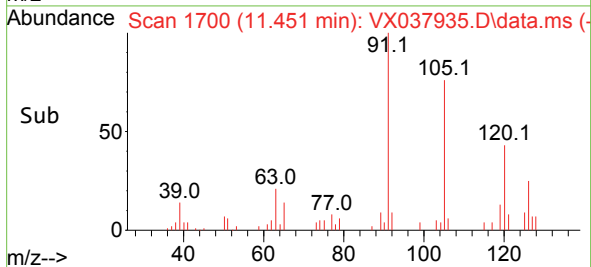
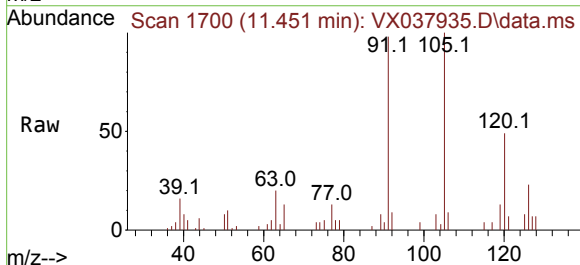


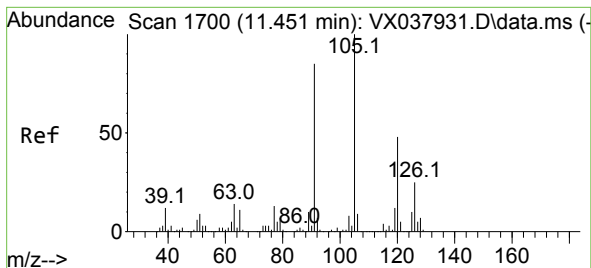
Tgt Ion: 91 Resp: 4564
Ion Ratio Lower Upper
91 100
126 32.3 0.0 66.2



#76
1,3,5-Trimethylbenzene
Concen: 0.441 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX037935.D
Acq: 27 Sep 2023 20:22

Tgt Ion: 105 Resp: 5384
Ion Ratio Lower Upper
105 100
120 49.5 0.0 96.4

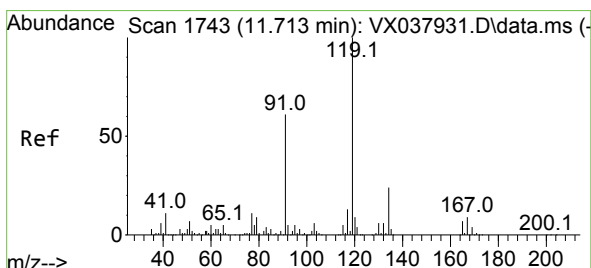
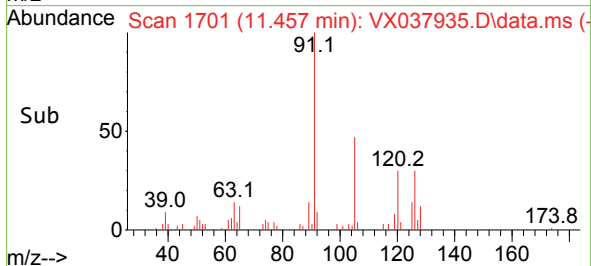
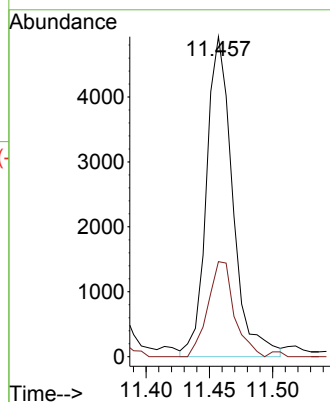
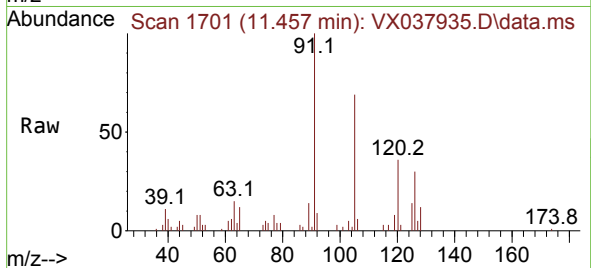




#78
4-Chlorotoluene
Concen: 0.613 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX037935.D
Acq: 27 Sep 2023 20:22

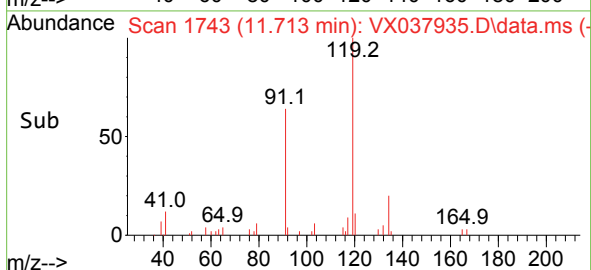
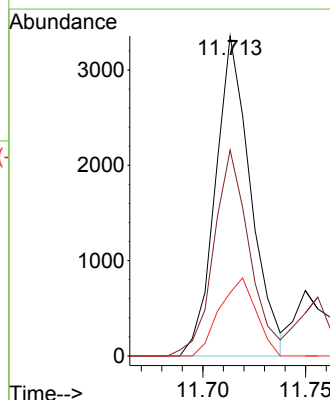
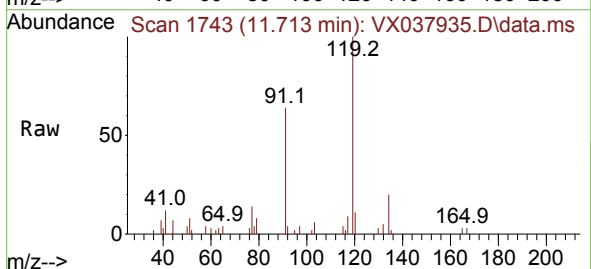
Instrument :
MSVOA_X
ClientSampleId :

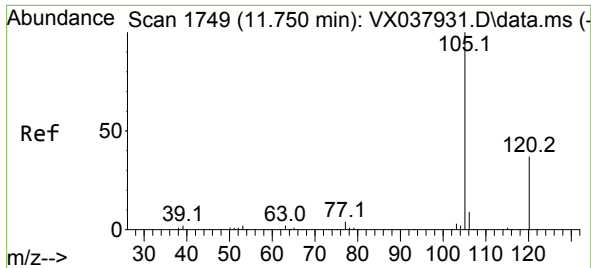
Tgt Ion: 91 Resp: 7111
Ion Ratio Lower Upper
91 100
126 29.8 0.0 59.4



#79
tert-butylbenzene
Concen: 0.334 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX037935.D
Acq: 27 Sep 2023 20:22

Tgt Ion: 119 Resp: 4005
Ion Ratio Lower Upper
119 100
91 65.2 0.0 124.4
134 25.2 0.0 47.2

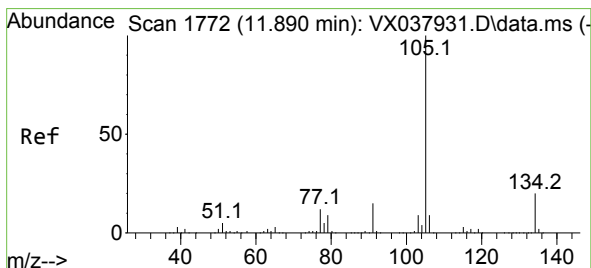
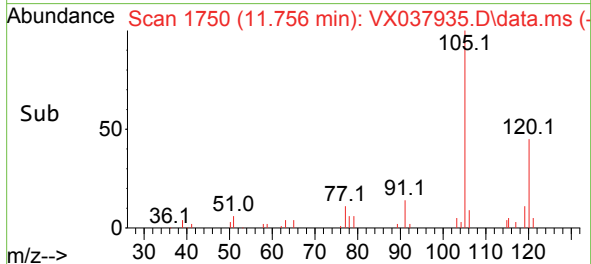
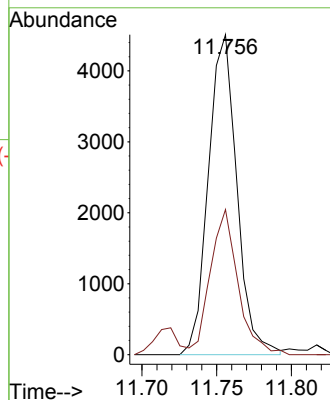
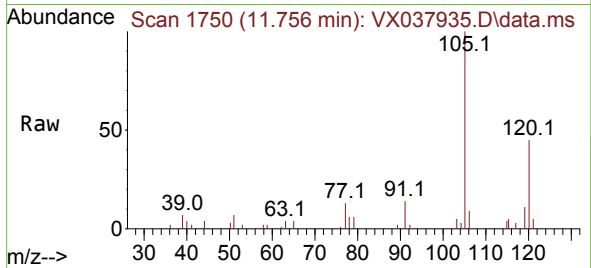




#80
1,2,4-Trimethylbenzene
Concen: 0.493 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX037935.D
Acq: 27 Sep 2023 20:22

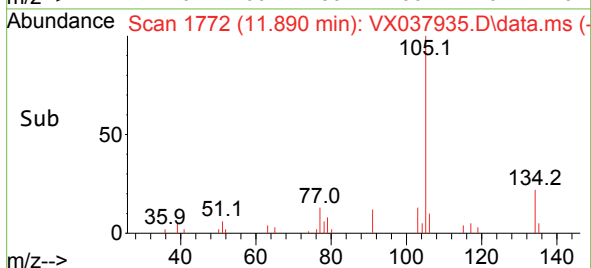
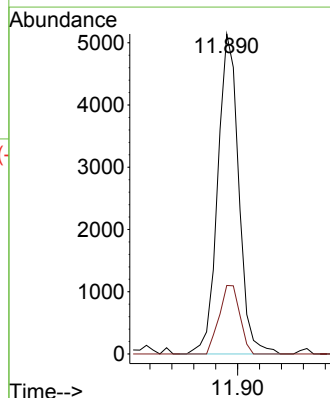
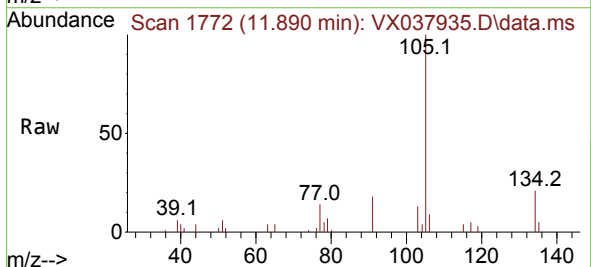
Instrument :
MSVOA_X
ClientSampleId :

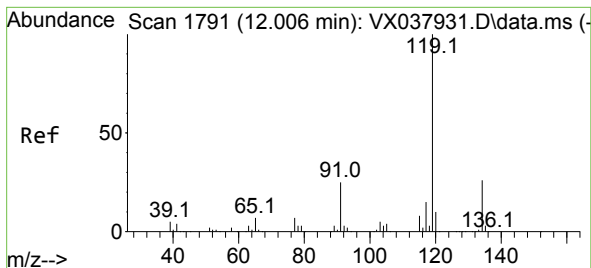
Tgt Ion:105 Resp: 5982
Ion Ratio Lower Upper
105 100
120 44.1 0.0 90.2



#81
sec-Butylbenzene
Concen: 0.444 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX037935.D
Acq: 27 Sep 2023 20:22

Tgt Ion:105 Resp: 6855
Ion Ratio Lower Upper
105 100
134 20.9 0.0 41.2





#82

p-Isopropyltoluene

Concen: 0.453 ug/l

RT: 12.012 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX037935.D

Acq: 27 Sep 2023 20:22

Instrument :

MSVOA_X

ClientSampleId :

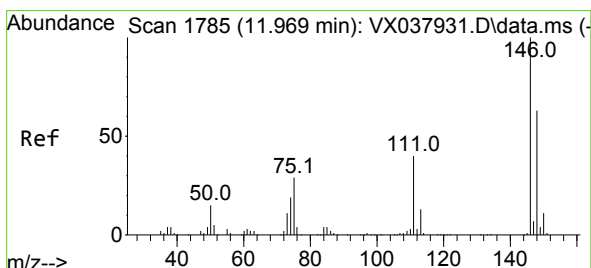
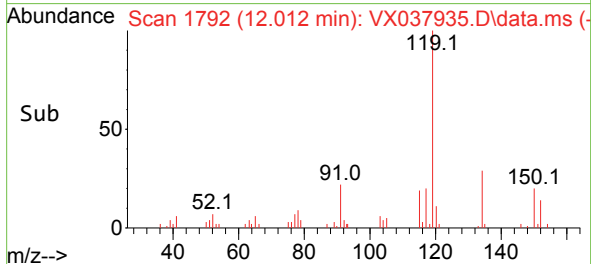
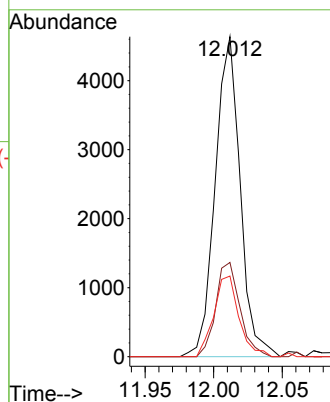
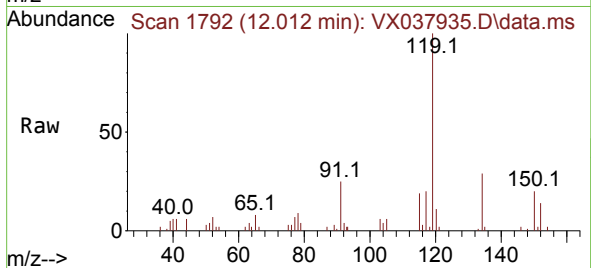
Tgt Ion:119 Resp: 5868

Ion Ratio Lower Upper

119 100

134 28.5 0.0 53.2

91 25.5 0.0 49.4



#83

1,3-Dichlorobenzene

Concen: 0.822 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX037935.D

Acq: 27 Sep 2023 20:22

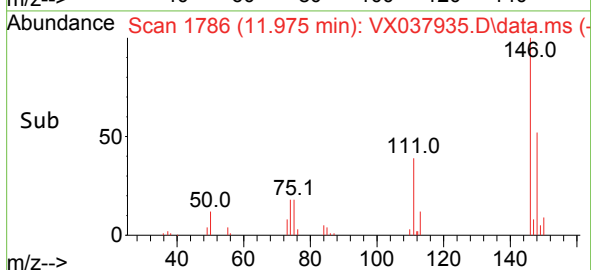
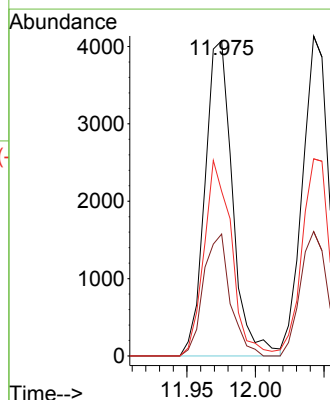
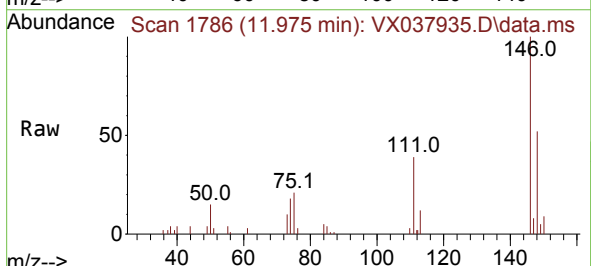
Tgt Ion:146 Resp: 5699

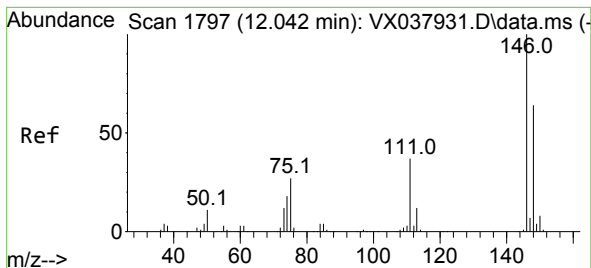
Ion Ratio Lower Upper

146 100

111 37.7 20.4 61.2

148 61.8 31.6 94.8





#84

1,4-Dichlorobenzene

Concen: 0.819 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. -0.000 min

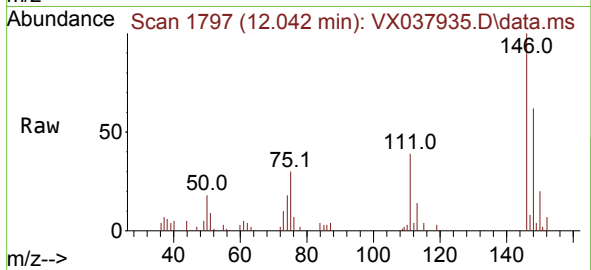
Lab File: VX037935.D

Acq: 27 Sep 2023 20:22

Instrument :

MSVOA_X

ClientSampleId :



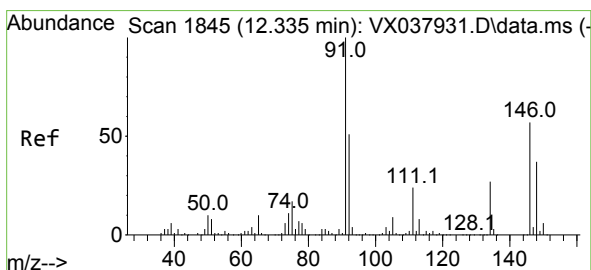
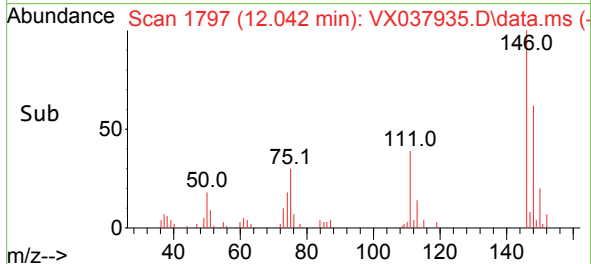
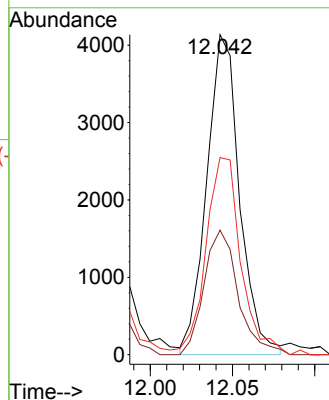
Tgt Ion:146 Resp: 5753

Ion Ratio Lower Upper

146 100

111 40.4 20.2 60.6

148 65.2 32.1 96.3



#85

n-Butylbenzene

Concen: 0.700 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX037935.D

Acq: 27 Sep 2023 20:22

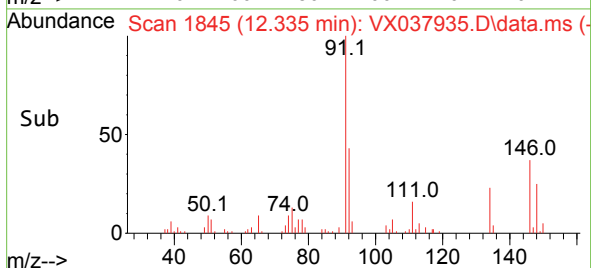
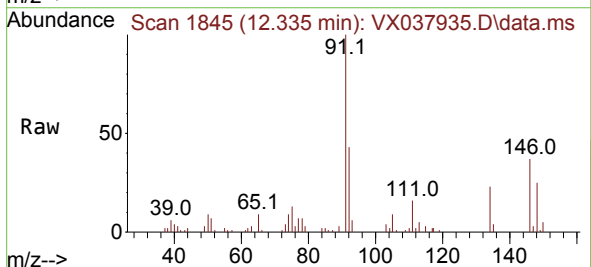
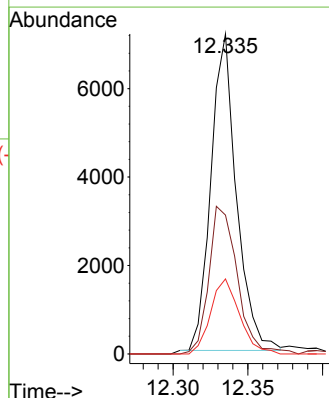
Tgt Ion: 91 Resp: 8492

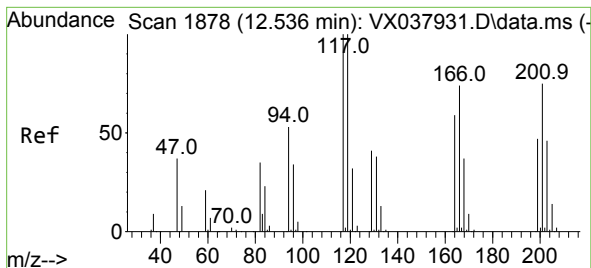
Ion Ratio Lower Upper

91 100

92 51.4 0.0 105.2

134 26.8 0.0 51.4





#86

Hexachloroethane

Concen: 0.311 ug/l

RT: 12.536 min Scan# 117

Delta R.T. -0.000 min

Lab File: VX037935.D

Acq: 27 Sep 2023 20:22

Instrument :

MSVOA_X

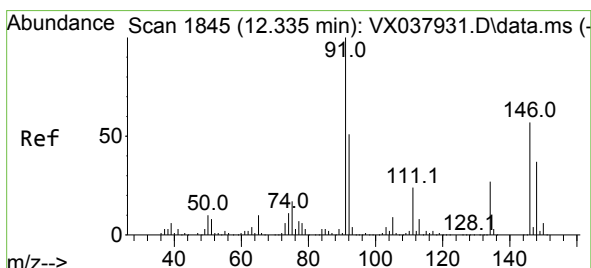
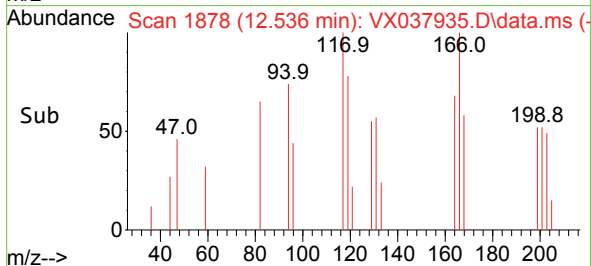
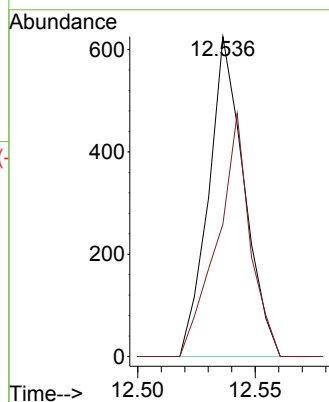
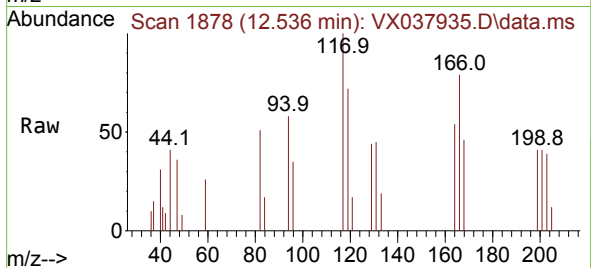
ClientSampleId :

Tgt Ion:117 Resp: 657

Ion Ratio Lower Upper

117 100

201 70.0 36.0 108.0



#87

1,2-Dichlorobenzene

Concen: 0.561 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX037935.D

Acq: 27 Sep 2023 20:22

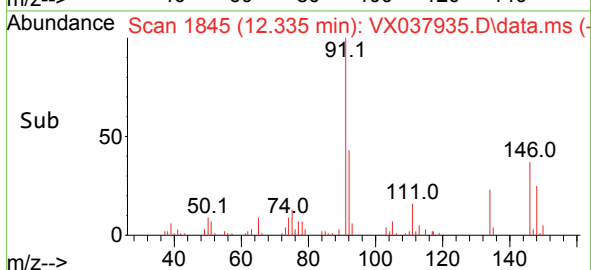
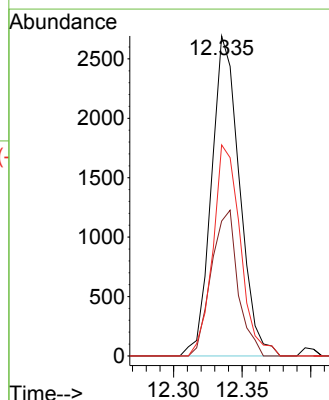
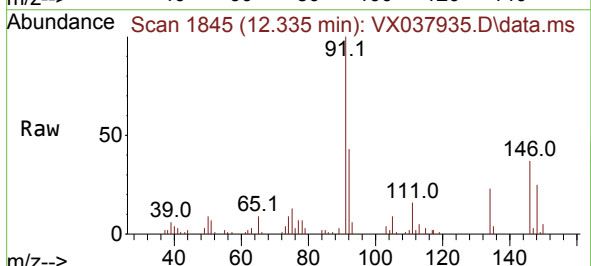
Tgt Ion:146 Resp: 3832

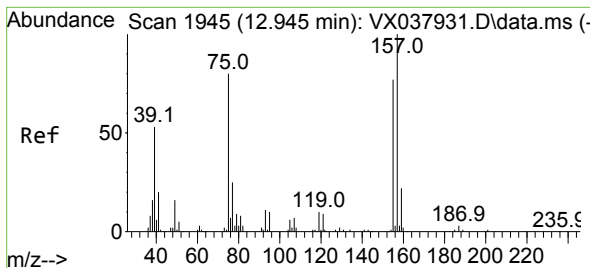
Ion Ratio Lower Upper

146 100

111 43.3 21.4 64.3

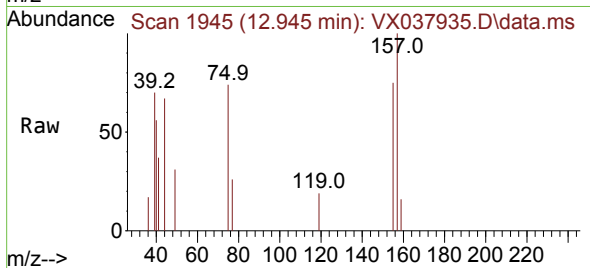
148 64.5 33.2 99.6



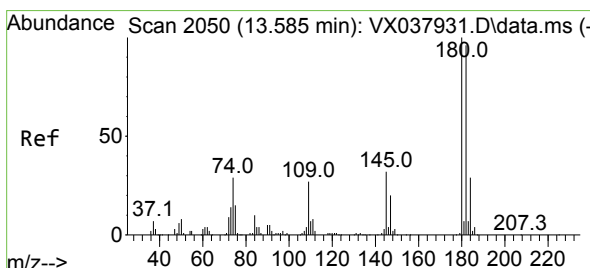
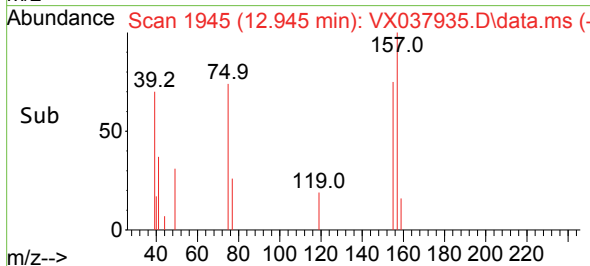
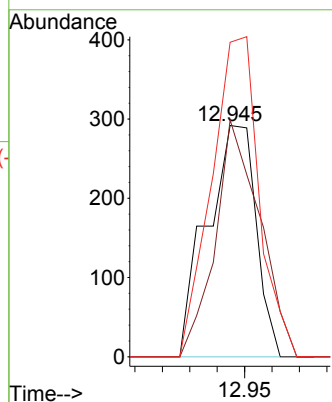


#88
 1,2-Dibromo-3-Chloropropane
 Concen: 0.390 ug/l
 RT: 12.945 min Scan# 1945
 Delta R.T. -0.000 min
 Lab File: VX037935.D
 Acq: 27 Sep 2023 20:22

Instrument :
 MSVOA_X
 ClientSampleId :

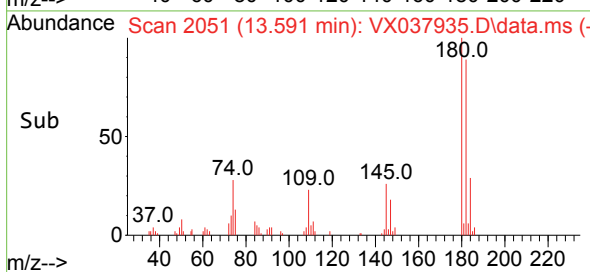
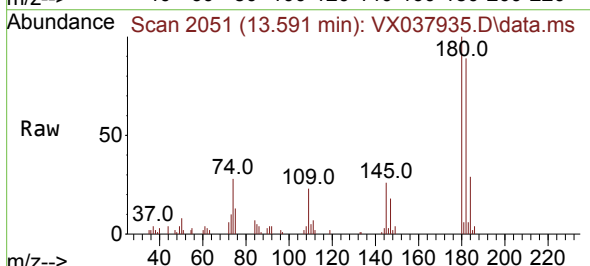
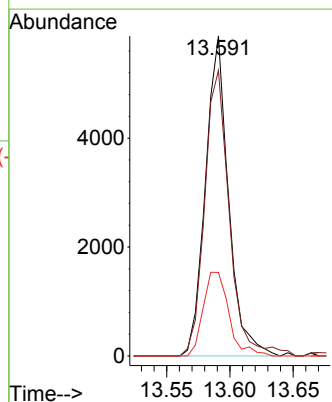


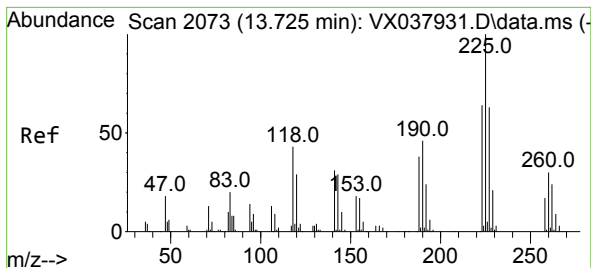
Tgt Ion: 75 Resp: 362
 Ion Ratio Lower Upper
 75 100
 155 92.8 62.7 94.1
 157 134.5 81.5 122.3#



#89
 1,2,4-Trichlorobenzene
 Concen: 1.614 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.006 min
 Lab File: VX037935.D
 Acq: 27 Sep 2023 20:22

Tgt Ion:180 Resp: 7500
 Ion Ratio Lower Upper
 180 100
 182 93.1 75.6 113.4
 145 29.1 25.4 38.2





#90

Hexachlorobutadiene

Concen: 2.355 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX037935.D

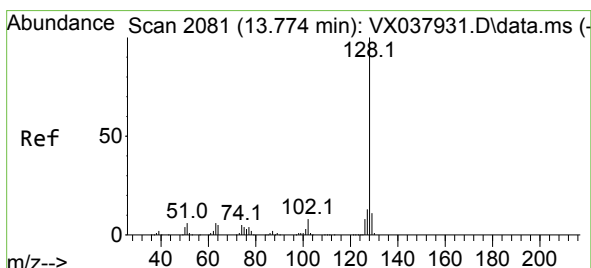
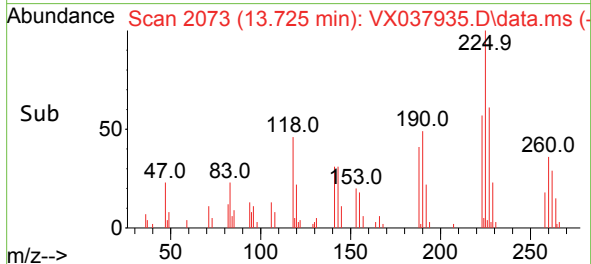
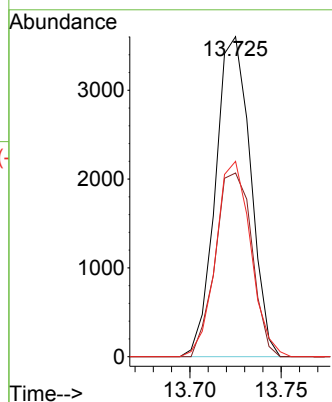
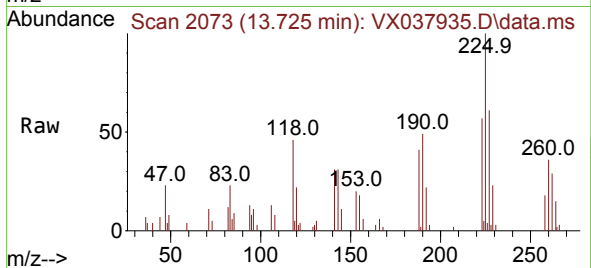
Acq: 27 Sep 2023 20:22

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:225	Resp:	4809
Ion Ratio	Lower	Upper
225	100	
223	60.0	0.0 124.2
227	60.9	0.0 120.4



#91

Naphthalene

Concen: 1.550 ug/l

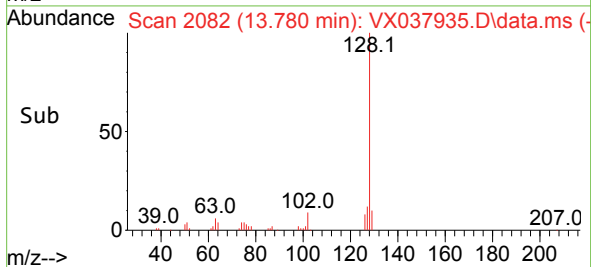
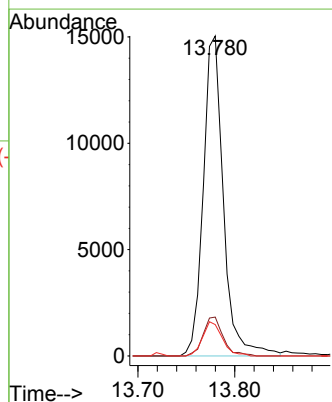
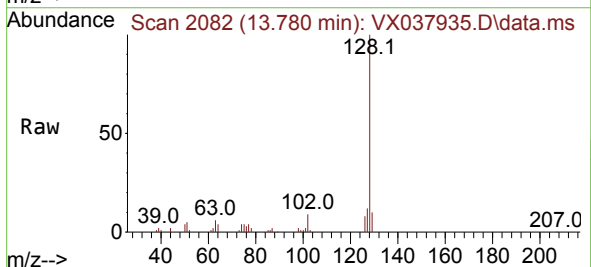
RT: 13.780 min Scan# 2082

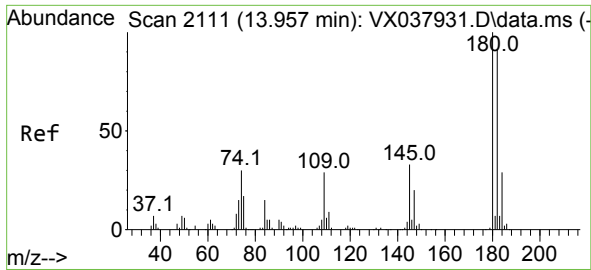
Delta R.T. 0.006 min

Lab File: VX037935.D

Acq: 27 Sep 2023 20:22

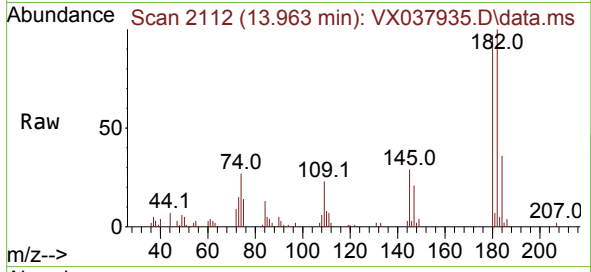
Tgt Ion:128	Resp:	21843
Ion Ratio	Lower	Upper
128	100	
127	12.1	10.3 15.5
129	10.5	8.7 13.1





#92
 1,2,3-Trichlorobenzene
 Concen: 1.648 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.006 min
 Lab File: VX037935.D
 Acq: 27 Sep 2023 20:22

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	7458
Ion	Ratio	Lower	Upper
180	100		
182	99.8	0.0	190.6
145	32.0	0.0	66.8

