

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092823\
 Data File : VX037947.D
 Acq On : 28 Sep 2023 13:51
 Operator : JC/MD
 Sample : 04346-02DL 2X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WPDL

Quant Time: Sep 29 04:25:54 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	4.898	128	43114	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	248358	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	238986	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	96257	30.972	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.233%
60) 4-Bromofluorobenzene	11.079	95	113209	29.059	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.867%
63) Toluene-d8	8.653	98	307779	29.833	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.433%
Target Compounds						Qvalue
6) Chloroethane	1.691	64	77181	42.429	ug/l	92
7) Trichlorofluoromethane	1.892	101	184939	41.348	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	478	0.210	ug/l #	27
10) 1,1-Dichloroethene	2.325	96	159055	71.254	ug/l	94
13) Acrolein	2.233	56	186	0.355	ug/l #	64
15) Acetone	2.380	58	9081	25.061	ug/l	89
18) Methylene Chloride	2.794	84	118477	44.284	ug/l	95
19) trans-1,2-Dichloroethene	3.093	96	31530	12.532	ug/l	96
21) 1,1-Dichloroethane	3.611	63	291467	66.122	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	195271	65.368	ug/l	86
23) tert-Butyl Alcohol	3.099	59	1455	2.784	ug/l #	1
25) Chloroform	5.099	83	212754	43.887	ug/l	99
30) 2-Butanone	4.556	43	146952	85.291	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	158381	36.817	ug/l	98
33) Carbon Tetrachloride	5.678	117	189953	51.582	ug/l	99
39) 1,2-Dichloropropane	7.434	63	151297	55.142	ug/l	95
40) Dibromomethane	7.586	93	18588	9.181	ug/l	97
48) t-1,3-Dichloropropene	8.982	75	169534	42.220	ug/l	98
49) cis-1,3-Dichloropropene	8.366	75	169467	39.299	ug/l	95
50) 1,1,2-Trichloroethane	9.153	97	191295	66.119	ug/l	97
51) Ethyl methacrylate	8.647	69	942	0.221	ug/l #	76
53) Dibromochloromethane	9.525	129	134711	45.178	ug/l	100
54) 1,2-Dibromoethane	9.610	107	158233	50.400	ug/l	98
56) Bromoform	10.799	173	90846	40.508	ug/l	98
61) Tetrachloroethene	9.275	164	136183	53.546	ug/l	97
62) Toluene	8.720	91	136562	11.016	ug/l	99
64) Chlorobenzene	10.080	112	185201	23.948	ug/l	99
66) Ethyl Benzene	10.195	91	393599	28.768	ug/l	97
67) m/p-Xylenes	10.299	106	96805	17.961	ug/l	97
68) o-Xylene	10.640	106	82113	15.732	ug/l	97
69) Styrene	10.647	104	4740	0.541	ug/l #	1
71) 1,1,2,2-Tetrachloroethane	11.238	83	2947	0.646	ug/l #	93
72) 1,2,3-Trichloropropane	11.238	75	106445	26.555	ug/l	90
76) 1,3,5-Trimethylbenzene	11.451	105	534173	44.719	ug/l	100
77) t-1,4-Dichloro-2-butene	11.079	75	56783	44.728	ug/l #	7
78) 4-Chlorotoluene	11.451	91	57298	5.042	ug/l	46
80) 1,2,4-Trimethylbenzene	11.756	105	3930	0.331	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	298962	44.039	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	321753	46.774	ug/l	99

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Sep 28 06:08:32 2023
Response via : Initial Calibration

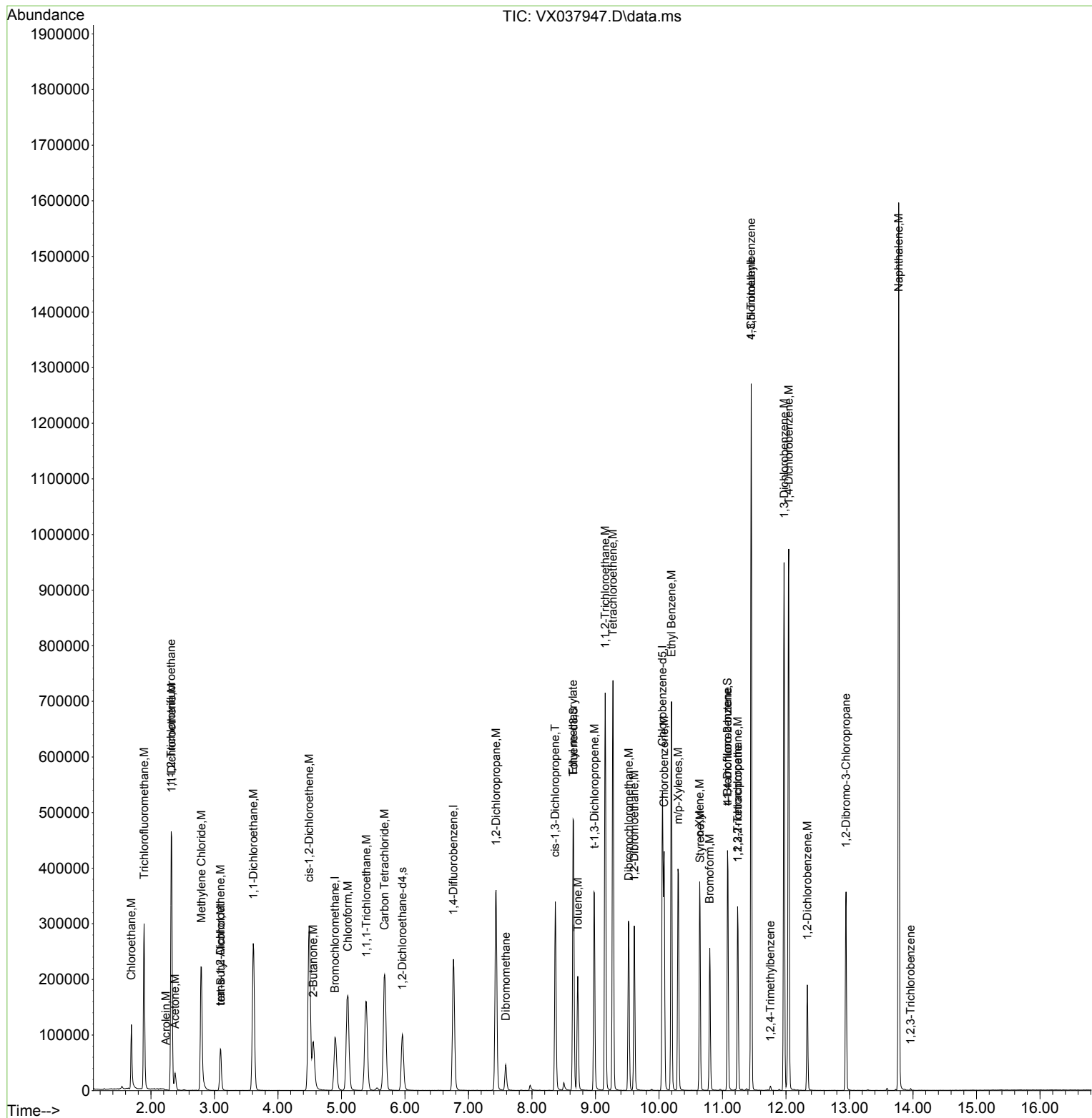
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) 1,2-Dichlorobenzene	12.335	146	60871	9.101	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	12.945	75	65830	72.396	ug/l	87
91) Naphthalene	13.774	128	946976	68.613	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	903	0.204	ug/l	95

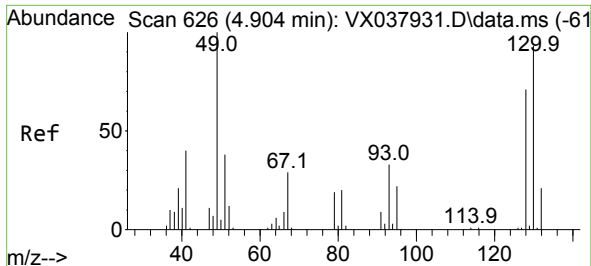
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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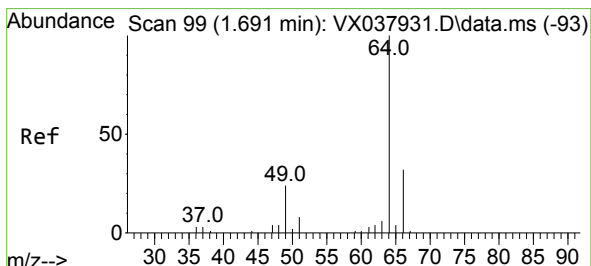
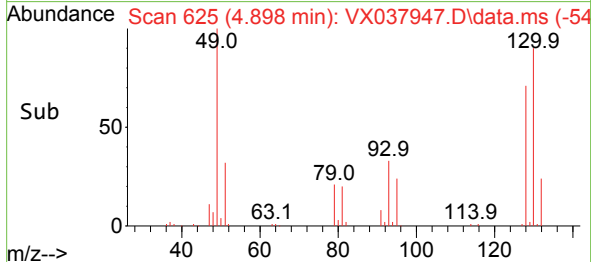
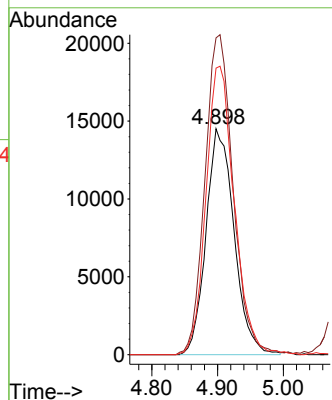
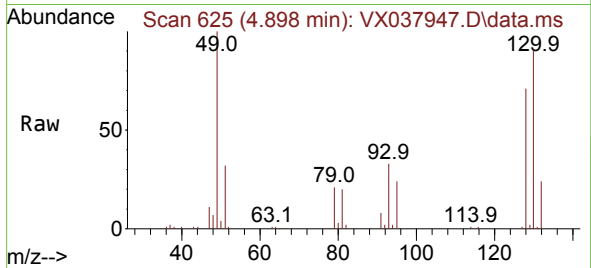




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX037947.D
Acq: 28 Sep 2023 13:51

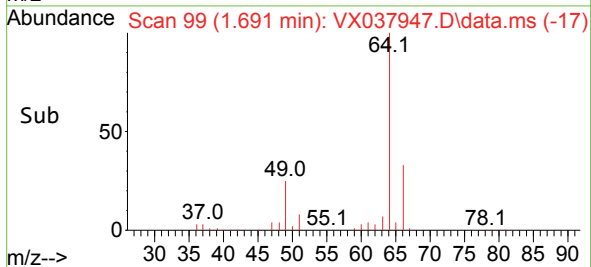
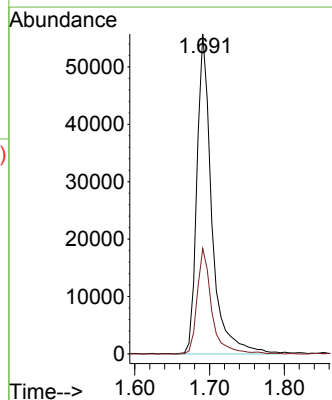
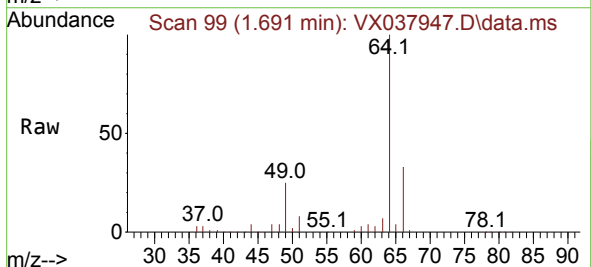
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WPDL

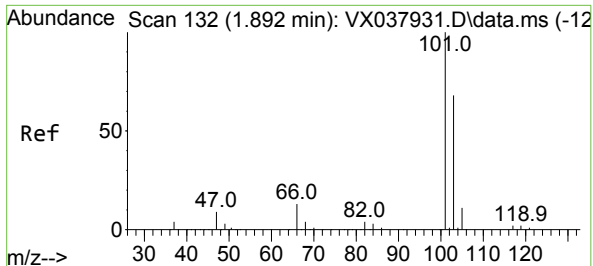
Tgt Ion:128 Resp: 43114
Ion Ratio Lower Upper
128 100
49 142.2 0.0 406.3
130 128.1 0.0 328.0



#6
Chloroethane
Concen: 42.429 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.000 min
Lab File: VX037947.D
Acq: 28 Sep 2023 13:51

Tgt Ion: 64 Resp: 77181
Ion Ratio Lower Upper
64 100
66 33.0 23.1 34.7

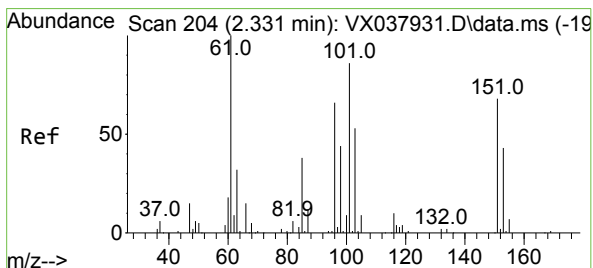
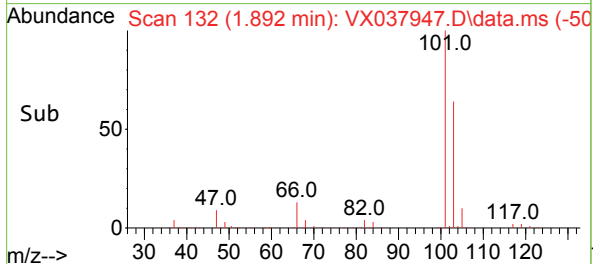
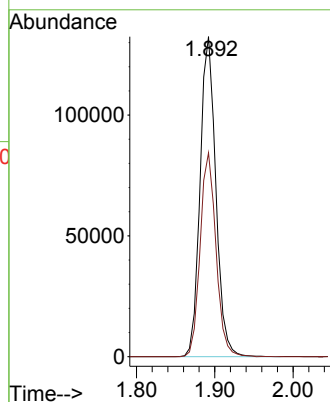
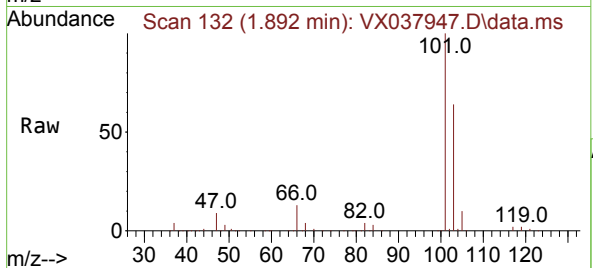




#7
 Trichlorofluoromethane
 Concen: 41.348 ug/l
 RT: 1.892 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX037947.D
 Acq: 28 Sep 2023 13:51

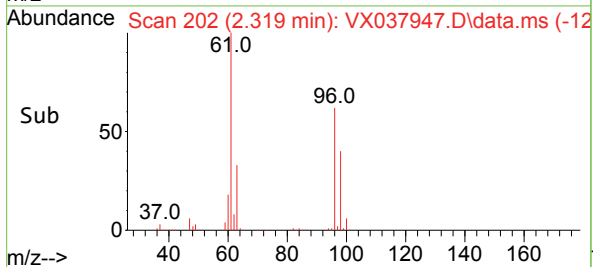
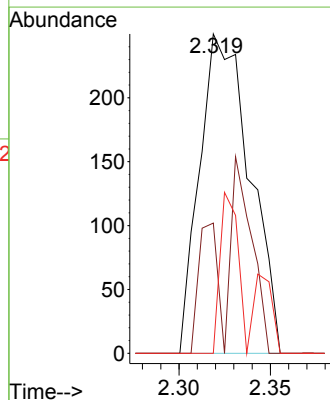
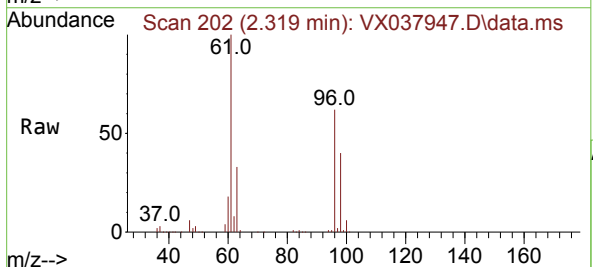
Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WPDL

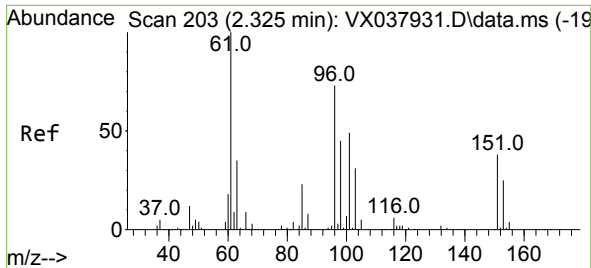
Tgt Ion:101 Resp: 184939
 Ion Ratio Lower Upper
 101 100
 103 63.7 52.2 78.2



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.210 ug/l
 RT: 2.319 min Scan# 202
 Delta R.T. -0.012 min
 Lab File: VX037947.D
 Acq: 28 Sep 2023 13:51

Tgt Ion:101 Resp: 478
 Ion Ratio Lower Upper
 101 100
 85 15.3 0.0 91.0
 151 0.0 0.0 155.4

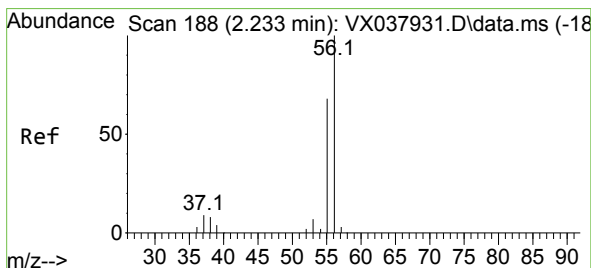
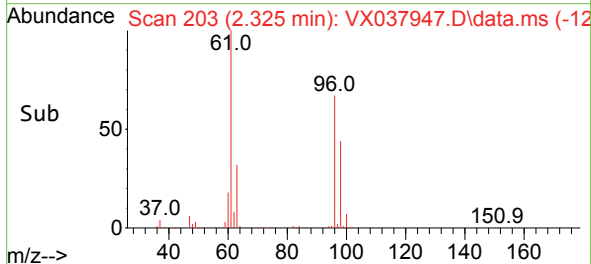
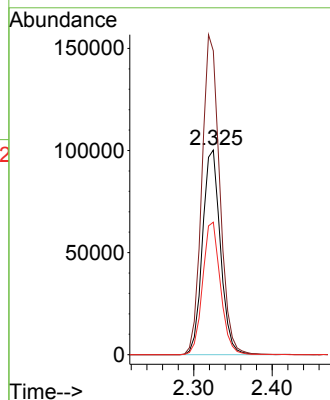
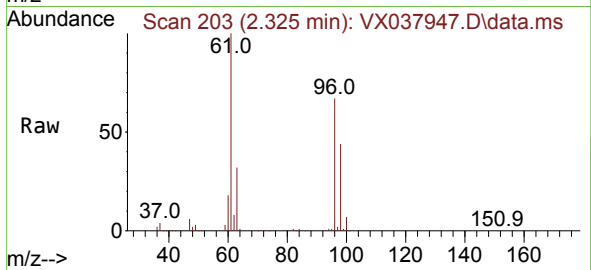




#10
1,1-Dichloroethene
Concen: 71.254 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX037947.D
Acq: 28 Sep 2023 13:51

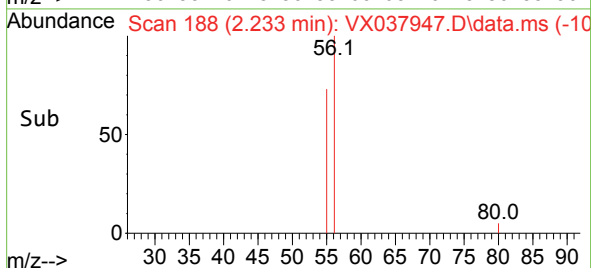
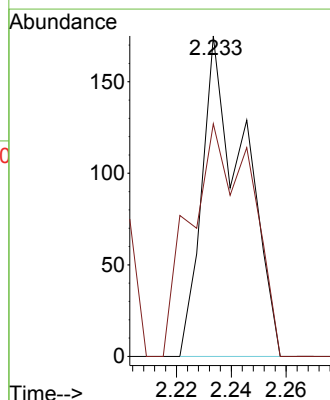
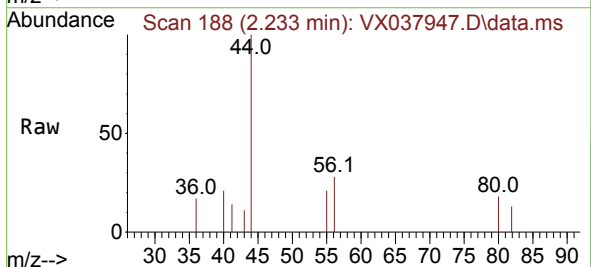
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WPDL

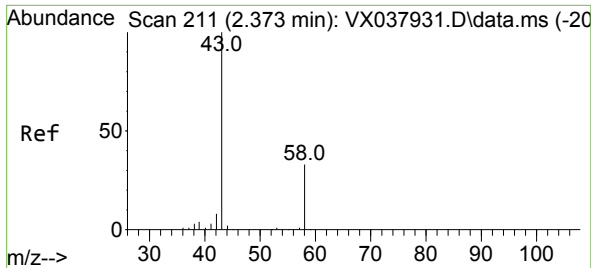
Tgt Ion: 96 Resp: 159055
Ion Ratio Lower Upper
96 100
61 148.4 127.2 190.8
98 64.7 52.7 79.1



#13
Acrolein
Concen: 0.355 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX037947.D
Acq: 28 Sep 2023 13:51

Tgt Ion: 56 Resp: 186
Ion Ratio Lower Upper
56 100
55 105.4 59.7 89.5#





#15

Acetone

Concen: 25.061 ug/l

RT: 2.380 min Scan# 211

Delta R.T. 0.006 min

Lab File: VX037947.D

Acq: 28 Sep 2023 13:51

Instrument :

MSVOA_X

ClientSampleId :

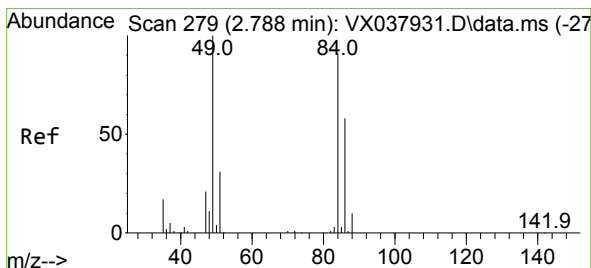
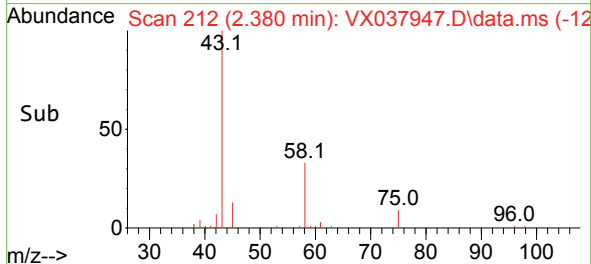
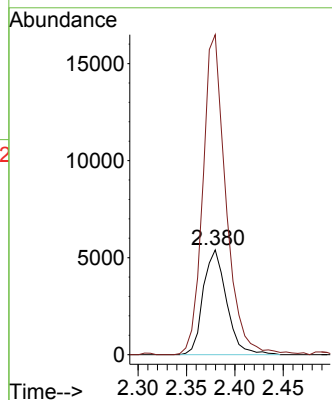
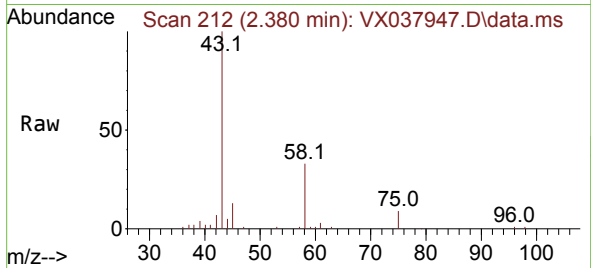
PT-VOA-WPDL

Tgt Ion: 58 Resp: 9081

Ion Ratio Lower Upper

58 100

43 304.3 261.0 391.4



#18

Methylene Chloride

Concen: 44.284 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX037947.D

Acq: 28 Sep 2023 13:51

Tgt Ion: 84 Resp: 118477

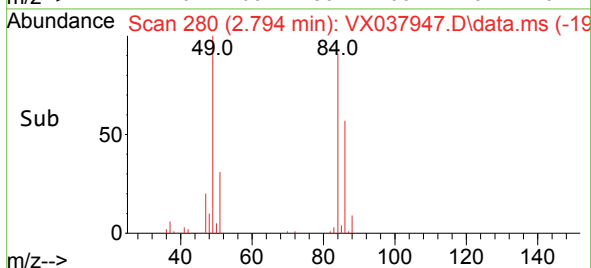
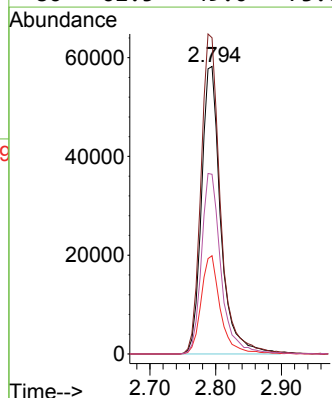
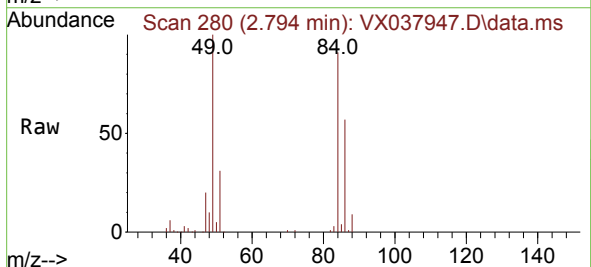
Ion Ratio Lower Upper

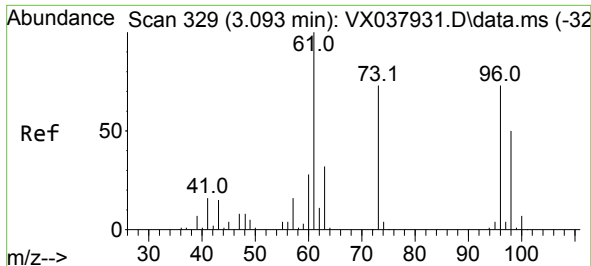
84 100

49 110.0 95.4 143.0

51 34.2 28.3 42.5

86 62.5 49.0 73.6

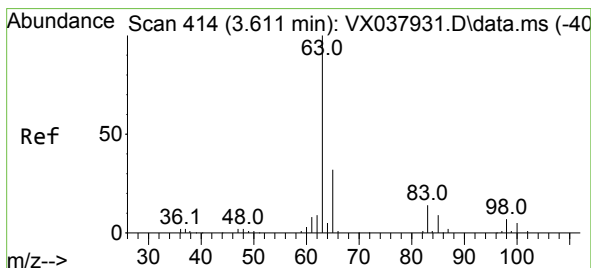
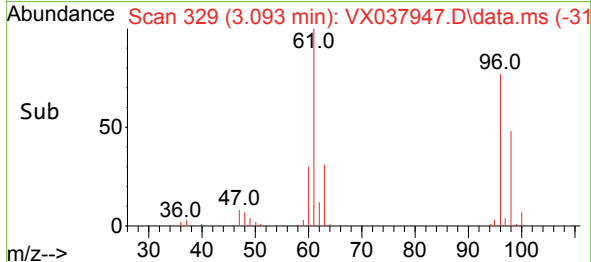
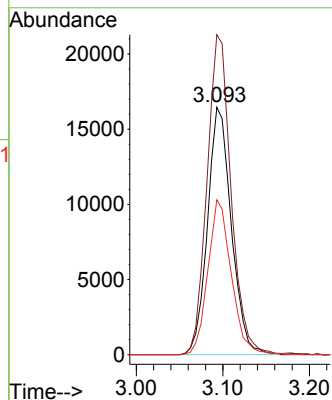
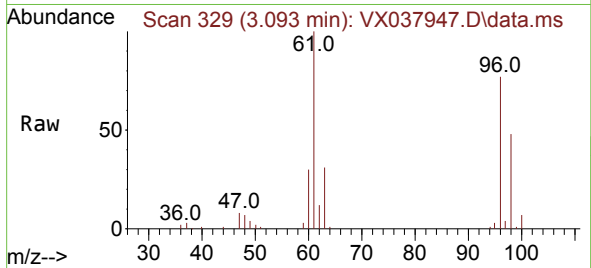




#19
trans-1,2-Dichloroethene
Concen: 12.532 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX037947.D
Acq: 28 Sep 2023 13:51

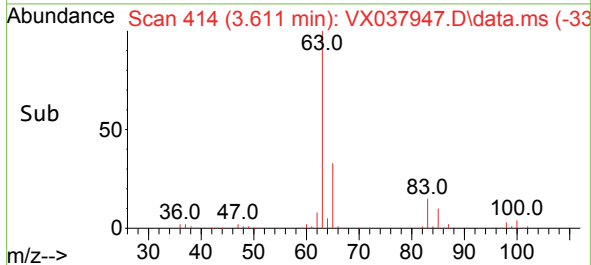
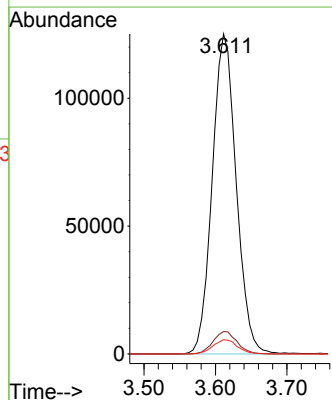
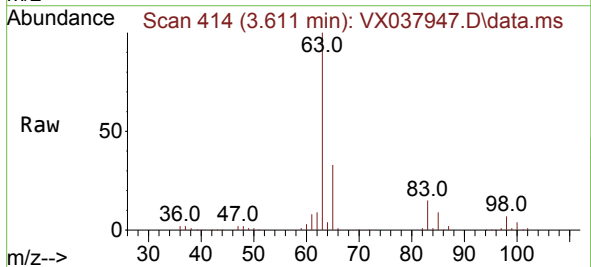
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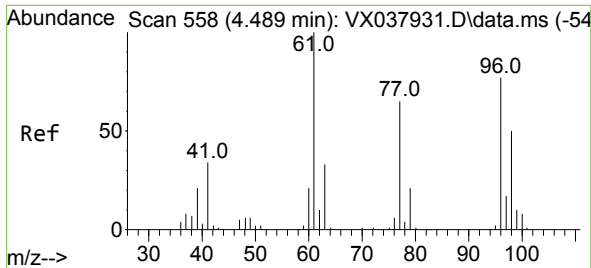
Tgt Ion: 96 Resp: 31530
Ion Ratio Lower Upper
96 100
61 129.4 108.7 163.1
98 62.6 49.1 73.7



#21
1,1-Dichloroethane
Concen: 66.122 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX037947.D
Acq: 28 Sep 2023 13:51

Tgt Ion: 63 Resp: 291467
Ion Ratio Lower Upper
63 100
98 7.0 3.2 9.6
100 4.5 2.3 6.8





#22

cis-1,2-Dichloroethene

Concen: 65.368 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX037947.D

Acq: 28 Sep 2023 13:51

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WPDL

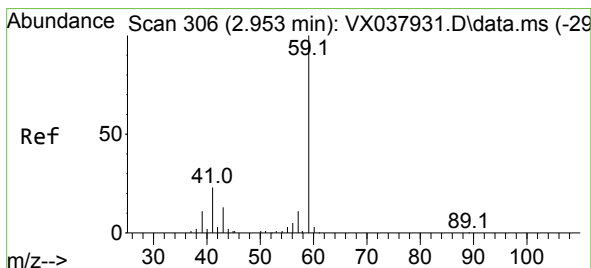
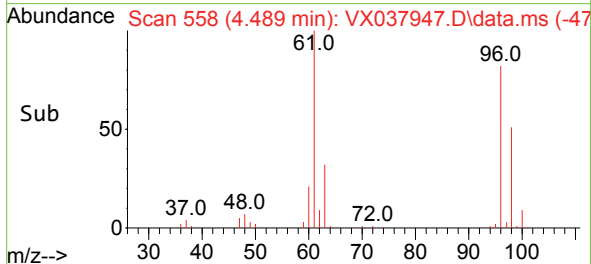
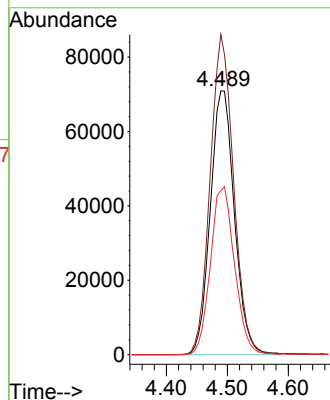
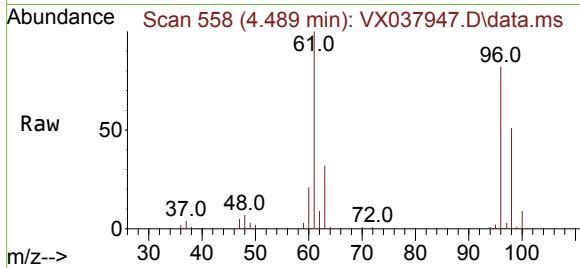
Tgt Ion: 96 Resp: 195271

Ion Ratio Lower Upper

96 100

61 118.0 114.0 171.0

98 63.6 51.6 77.4



#23

tert-Butyl Alcohol

Concen: 2.784 ug/l

RT: 3.099 min Scan# 330

Delta R.T. 0.146 min

Lab File: VX037947.D

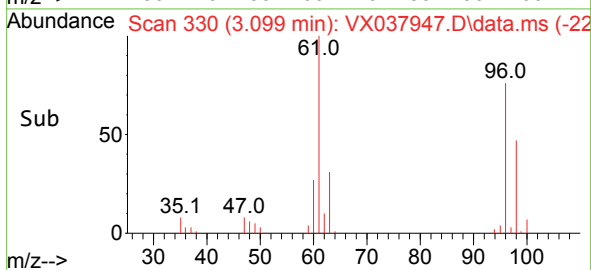
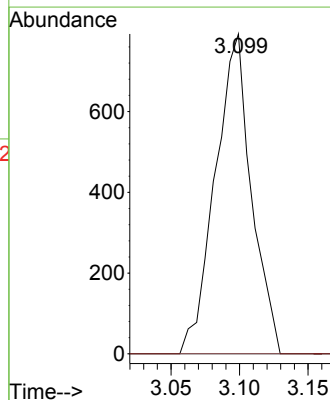
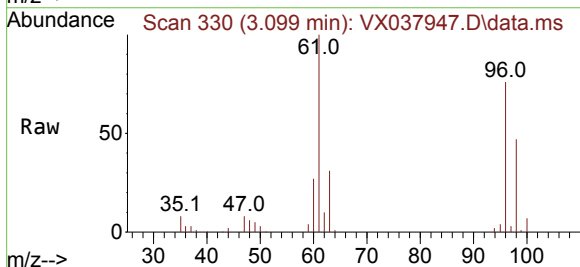
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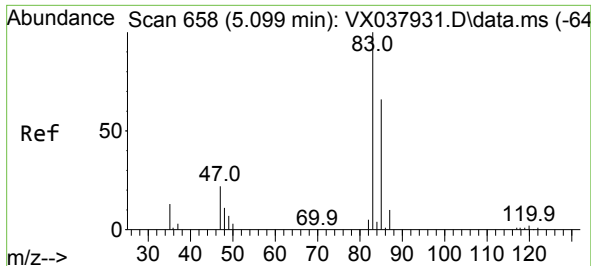
Tgt Ion: 59 Resp: 1455

Ion Ratio Lower Upper

59 100

52 0.0 142.6 213.8#

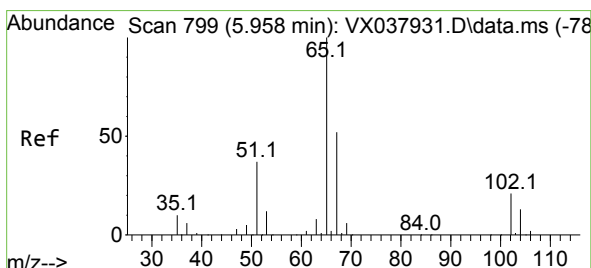
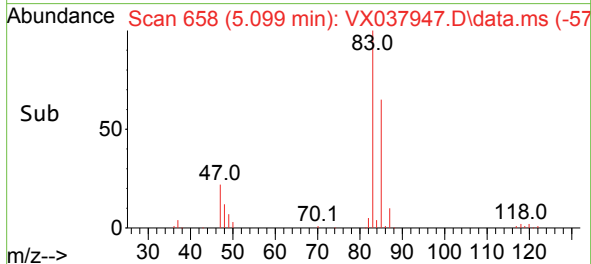
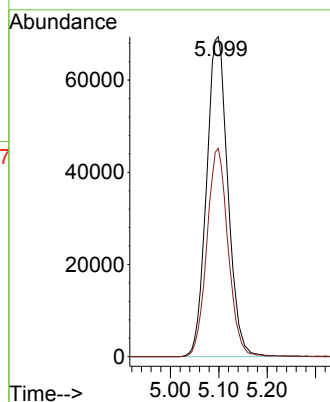
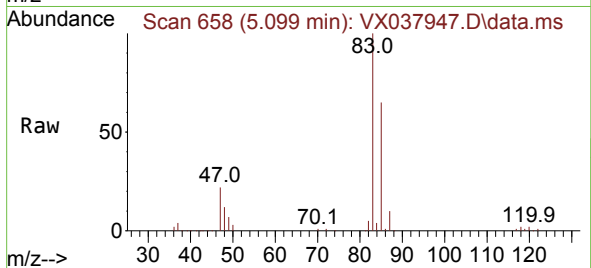




#25
Chloroform
Concen: 43.887 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.000 min
Lab File: VX037947.D
Acq: 28 Sep 2023 13:51

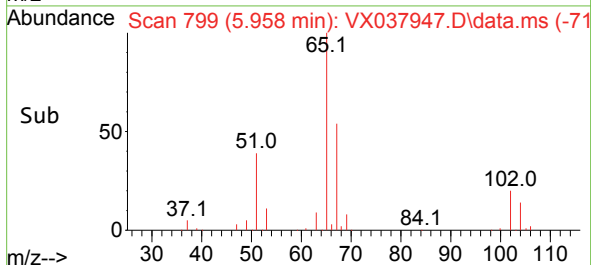
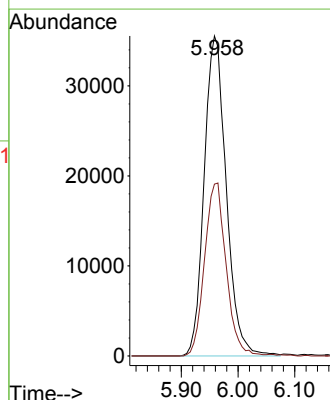
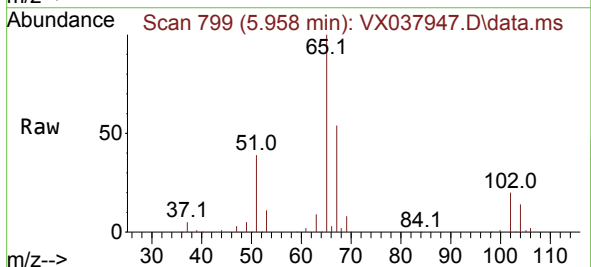
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WPDL

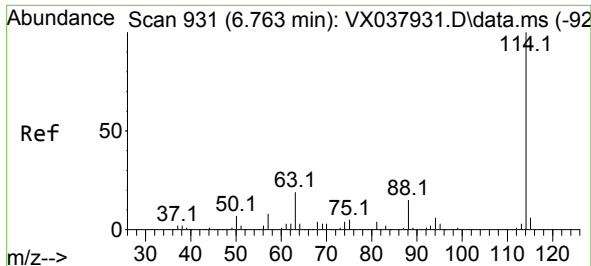
Tgt Ion: 83 Resp: 212754
Ion Ratio Lower Upper
83 100
85 65.2 51.5 77.3



#27
1,2-Dichloroethane-d4
Concen: 30.972 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037947.D
Acq: 28 Sep 2023 13:51

Tgt Ion: 65 Resp: 96257
Ion Ratio Lower Upper
65 100
67 52.6 42.1 63.1

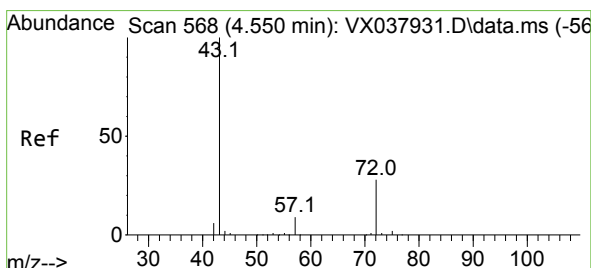
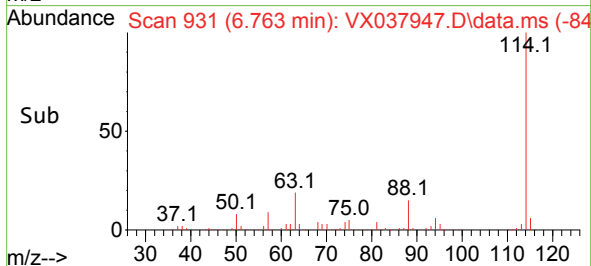
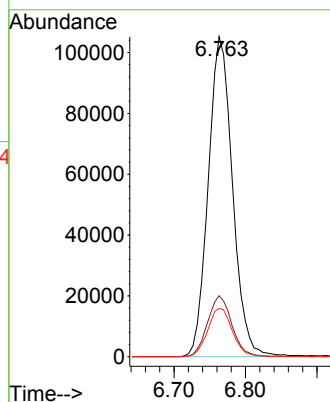
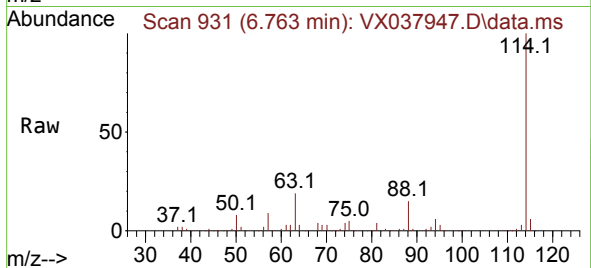




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX037947.D
Acq: 28 Sep 2023 13:51

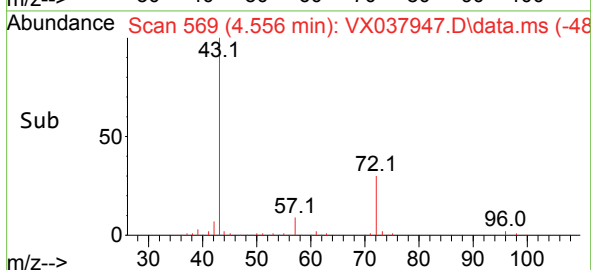
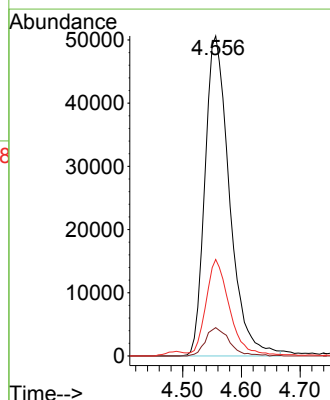
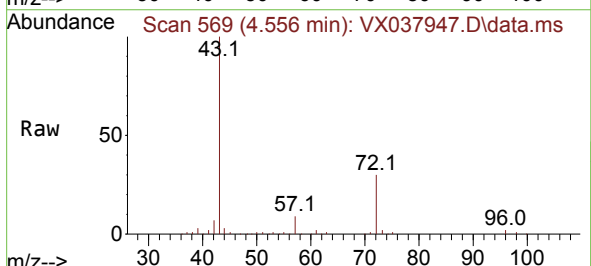
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WPDL

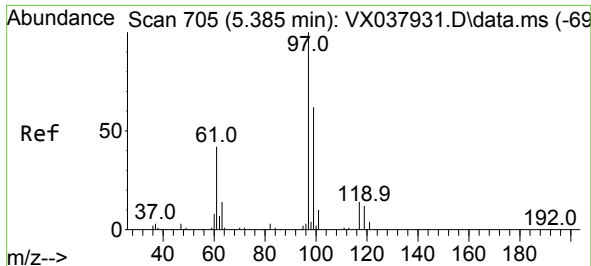
Tgt Ion:114 Resp: 248358
Ion Ratio Lower Upper
114 100
63 19.0 16.6 24.8
88 15.4 12.9 19.3



#30
2-Butanone
Concen: 85.291 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.006 min
Lab File: VX037947.D
Acq: 28 Sep 2023 13:51

Tgt Ion: 43 Resp: 146952
Ion Ratio Lower Upper
43 100
57 8.6 6.4 9.6
72 28.4 21.6 32.4

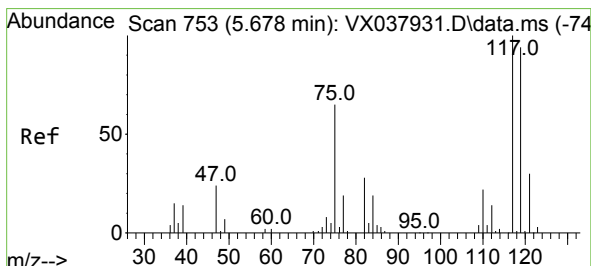
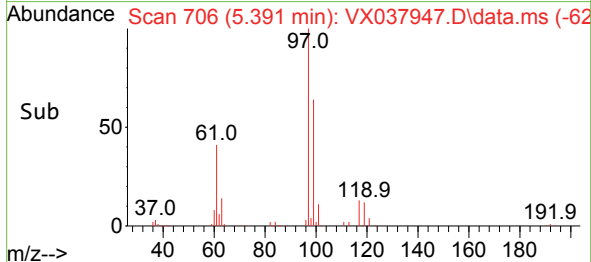
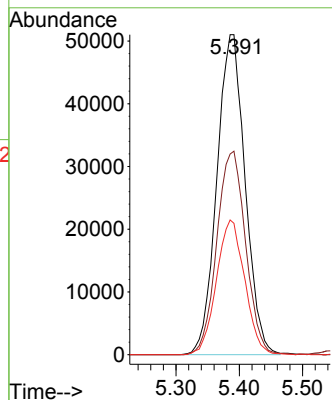
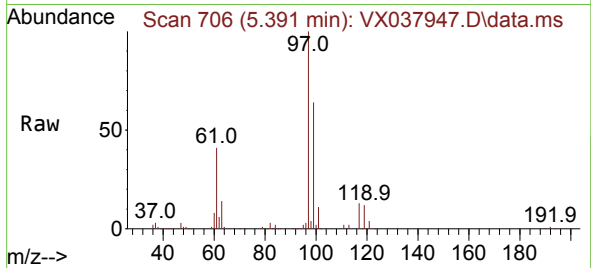




#32
1,1,1-Trichloroethane
Concen: 36.817 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX037947.D
Acq: 28 Sep 2023 13:51

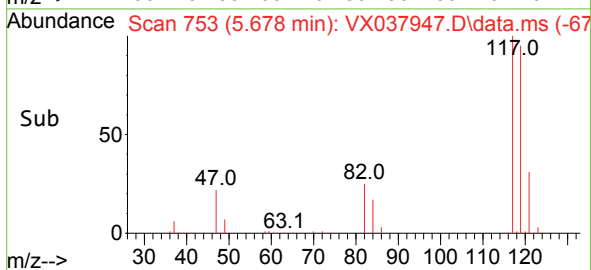
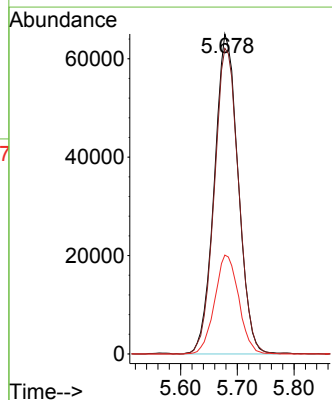
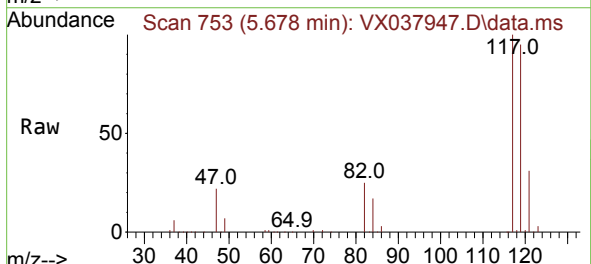
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WPDL

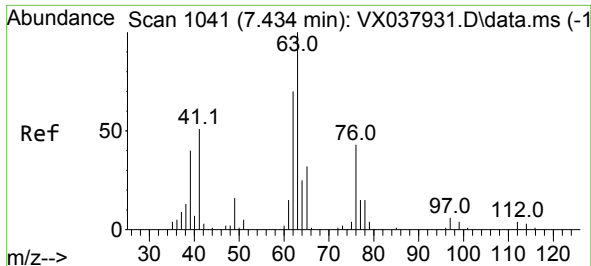
Tgt Ion: 97 Resp: 158381
Ion Ratio Lower Upper
97 100
99 64.8 51.5 77.3
61 42.1 35.8 53.8



#33
Carbon Tetrachloride
Concen: 51.582 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.000 min
Lab File: VX037947.D
Acq: 28 Sep 2023 13:51

Tgt Ion: 117 Resp: 189953
Ion Ratio Lower Upper
117 100
119 95.5 76.6 115.0
121 30.9 26.5 39.7





#39

1,2-Dichloropropane

Concen: 55.142 ug/l

RT: 7.434 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VX037947.D

Acq: 28 Sep 2023 13:51

Instrument :

MSVOA_X

ClientSampleId :

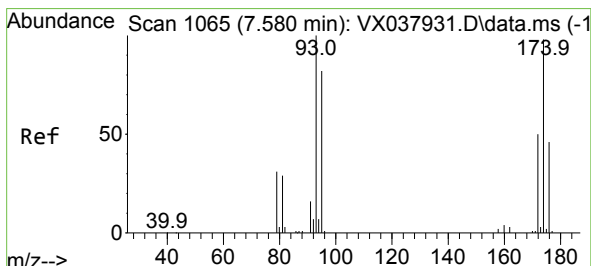
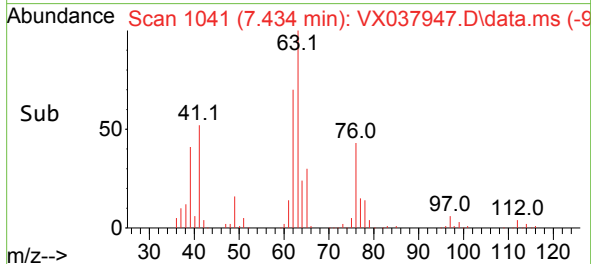
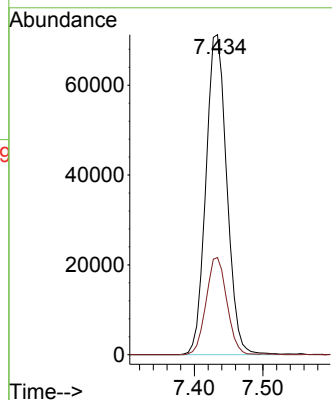
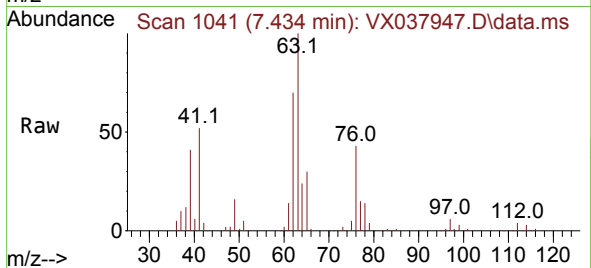
PT-VOA-WPDL

Tgt Ion: 63 Resp: 151297

Ion Ratio Lower Upper

63 100

65 30.4 26.4 39.6



#40

Dibromomethane

Concen: 9.181 ug/l

RT: 7.586 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VX037947.D

Acq: 28 Sep 2023 13:51

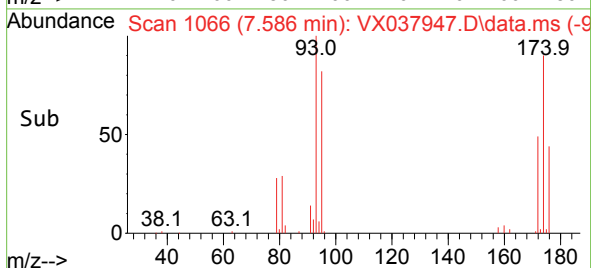
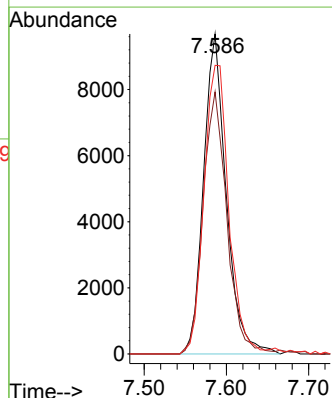
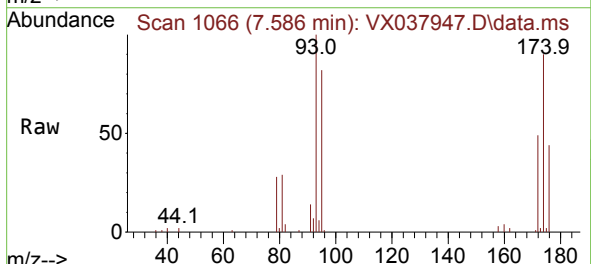
Tgt Ion: 93 Resp: 18588

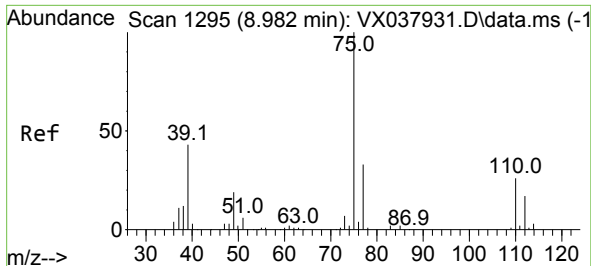
Ion Ratio Lower Upper

93 100

95 85.8 0.0 166.8

174 98.9 0.0 191.6





#48

t-1,3-Dichloropropene

Concen: 42.220 ug/l

RT: 8.982 min Scan# 1295

Delta R.T. 0.000 min

Lab File: VX037947.D

Acq: 28 Sep 2023 13:51

Instrument :

MSVOA_X

ClientSampleId :

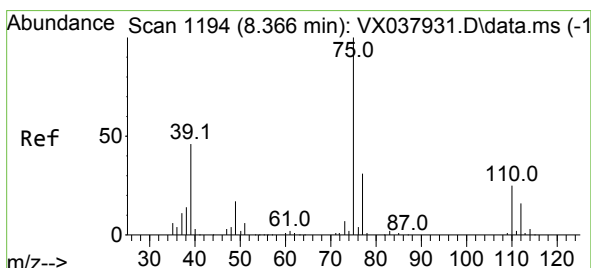
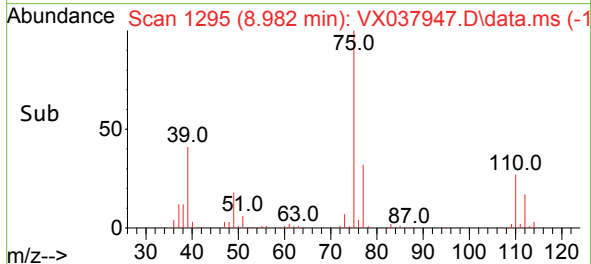
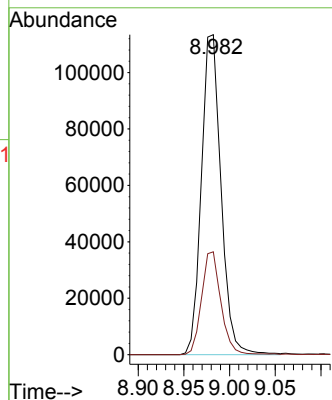
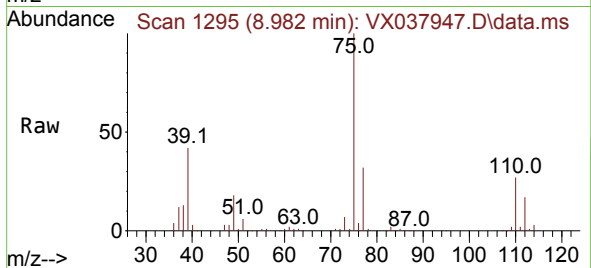
PT-VOA-WPDL

Tgt Ion: 75 Resp: 169534

Ion Ratio Lower Upper

75 100

77 32.1 26.8 40.2



#49

cis-1,3-Dichloropropene

Concen: 39.299 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX037947.D

Acq: 28 Sep 2023 13:51

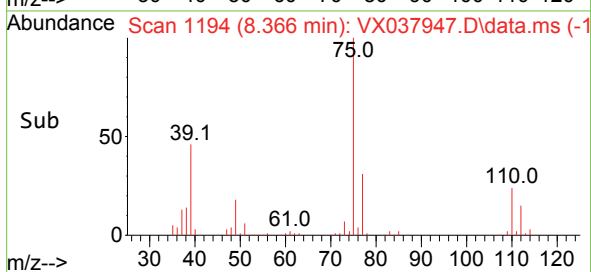
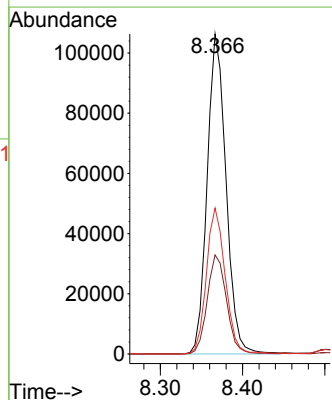
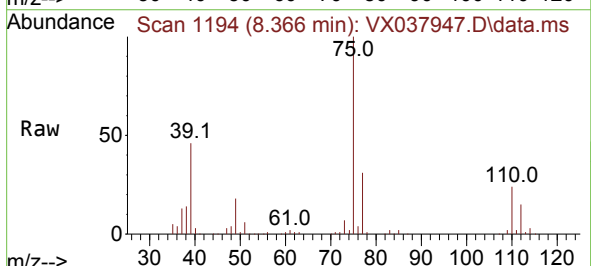
Tgt Ion: 75 Resp: 169467

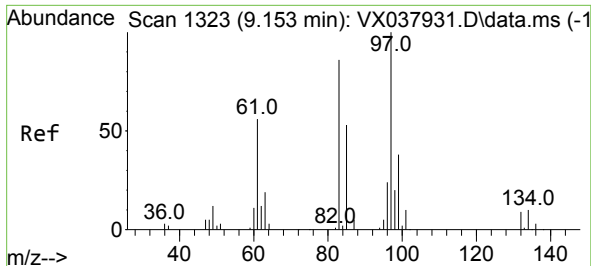
Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.2

39 45.6 40.2 60.4





#50

1,1,2-Trichloroethane

Concen: 66.119 ug/l

RT: 9.153 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX037947.D

Acq: 28 Sep 2023 13:51

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WPDL

Tgt Ion: 97 Resp: 191295

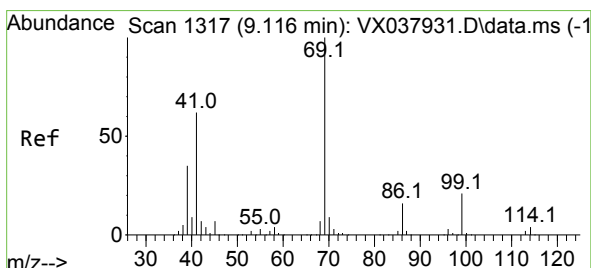
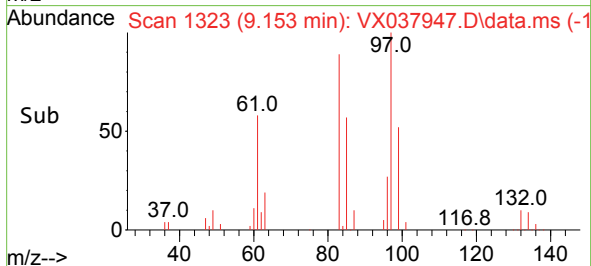
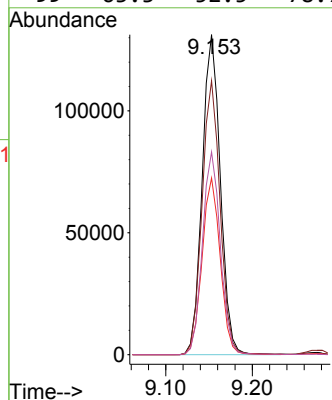
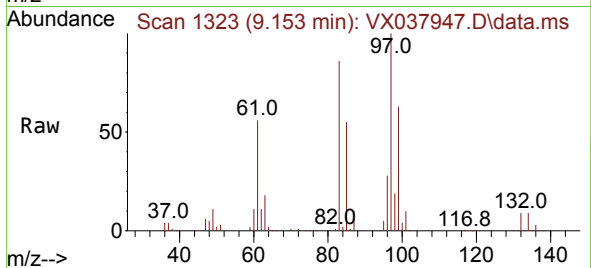
Ion Ratio Lower Upper

97 100

83 85.6 70.0 105.0

85 55.2 46.1 69.1

99 63.3 52.5 78.7



#51

Ethyl methacrylate

Concen: 0.221 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.469 min

Lab File: VX037947.D

Acq: 28 Sep 2023 13:51

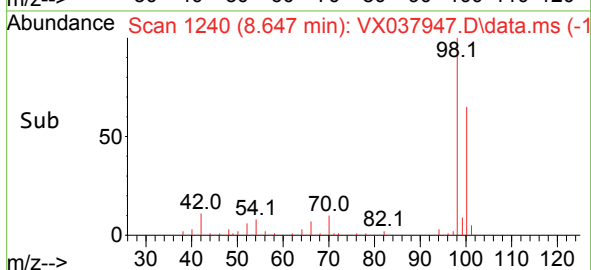
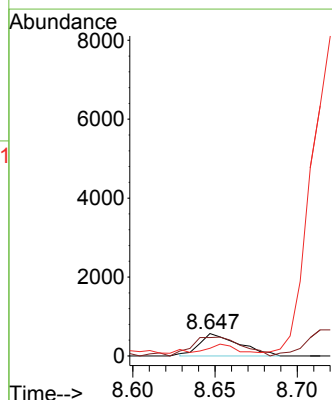
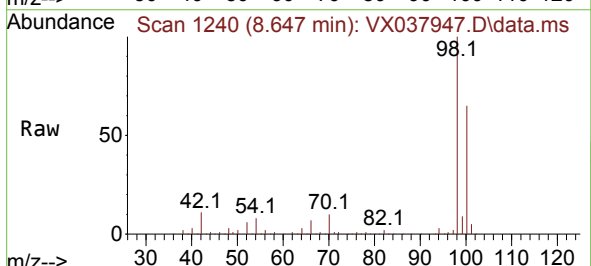
Tgt Ion: 69 Resp: 942

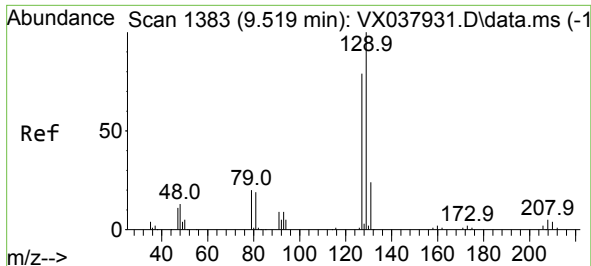
Ion Ratio Lower Upper

69 100

41 68.7 32.0 96.0

39 5.4 19.4 58.4#

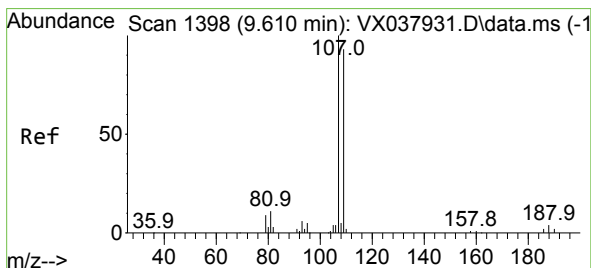
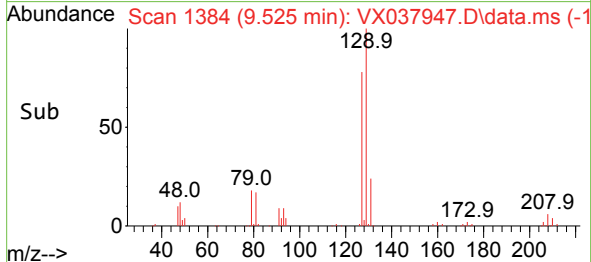
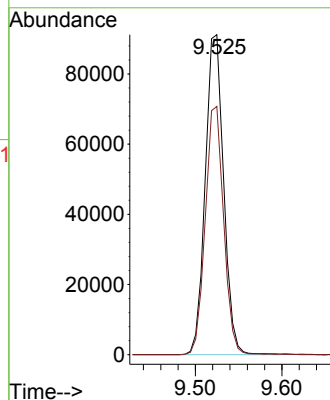
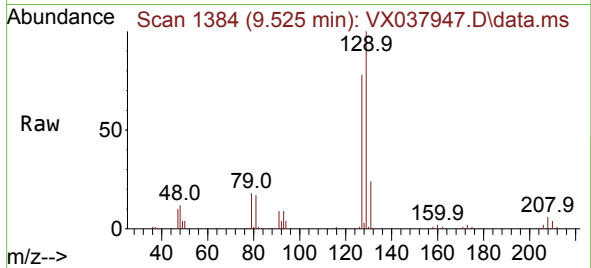




#53
 Dibromochloromethane
 Concen: 45.178 ug/l
 RT: 9.525 min Scan# 1384
 Delta R.T. 0.006 min
 Lab File: VX037947.D
 Acq: 28 Sep 2023 13:51

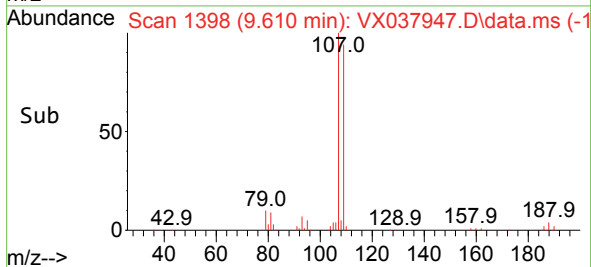
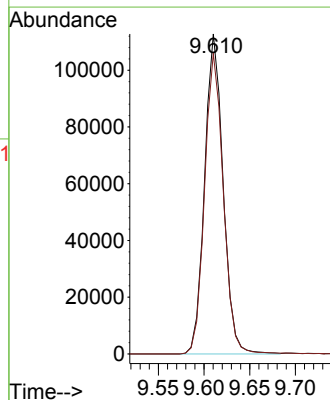
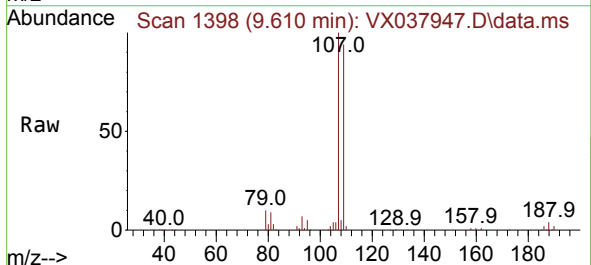
Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WPDL

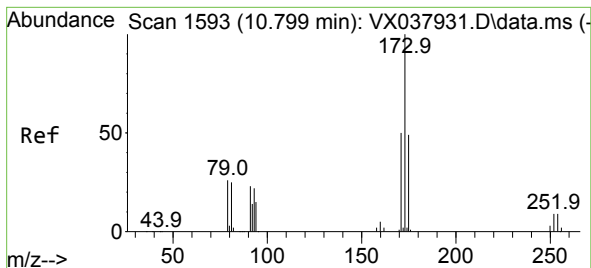
Tgt Ion:129 Resp: 134711
 Ion Ratio Lower Upper
 129 100
 127 77.5 38.6 115.8



#54
 1,2-Dibromoethane
 Concen: 50.400 ug/l
 RT: 9.610 min Scan# 1398
 Delta R.T. 0.000 min
 Lab File: VX037947.D
 Acq: 28 Sep 2023 13:51

Tgt Ion:107 Resp: 158233
 Ion Ratio Lower Upper
 107 100
 109 95.3 74.7 112.1





#56

Bromoform

Concen: 40.508 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX037947.D

Acq: 28 Sep 2023 13:51

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WPDL

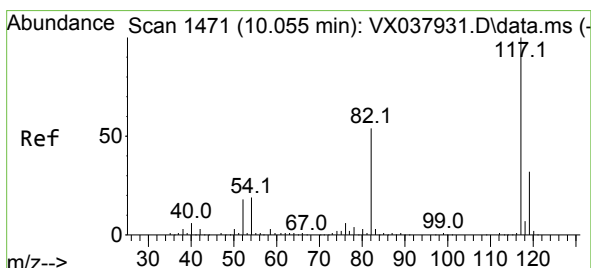
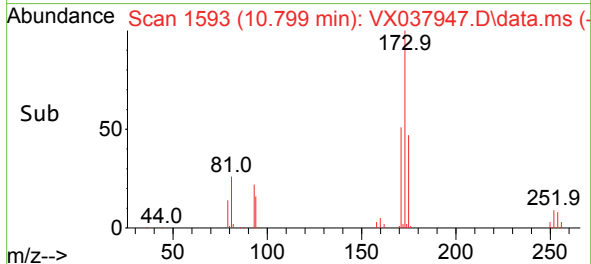
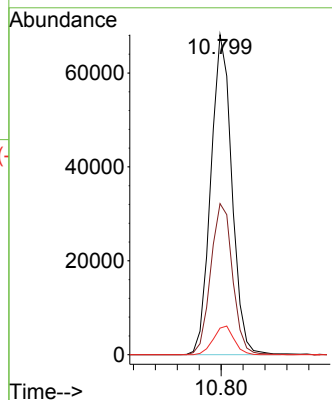
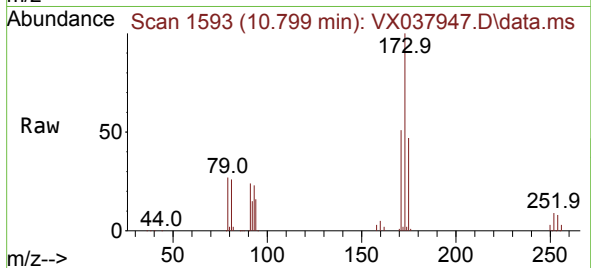
Tgt Ion:173 Resp: 90846

Ion Ratio Lower Upper

173 100

175 48.9 38.1 57.1

254 8.8 6.7 10.1



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX037947.D

Acq: 28 Sep 2023 13:51

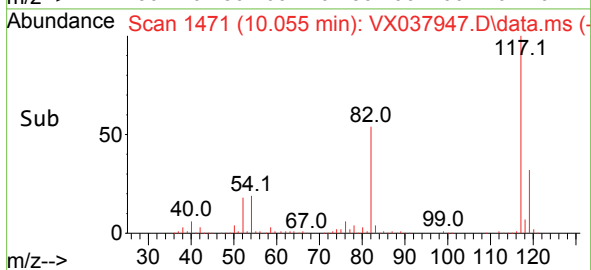
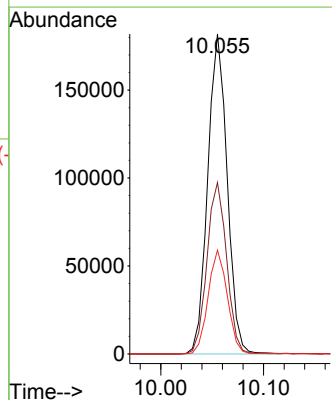
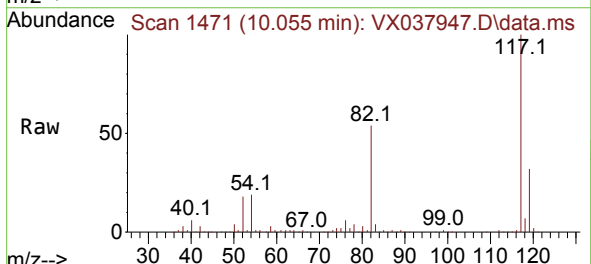
Tgt Ion:117 Resp: 238986

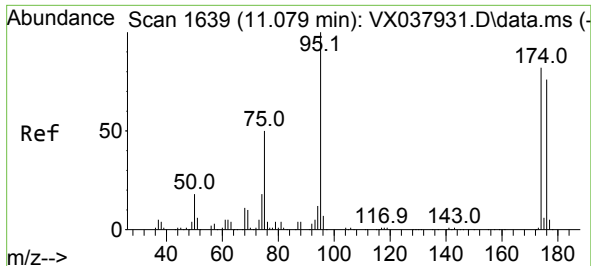
Ion Ratio Lower Upper

117 100

82 54.2 44.7 67.1

119 31.9 25.6 38.4

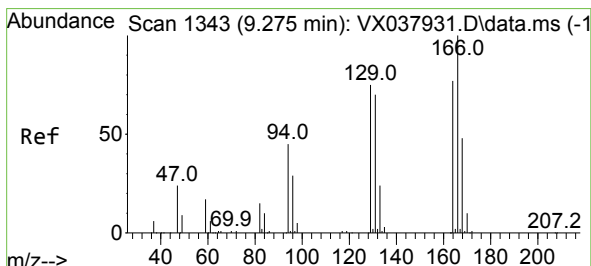
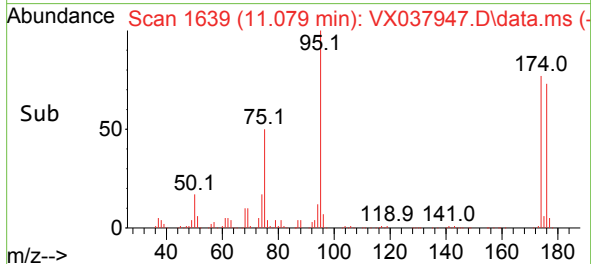
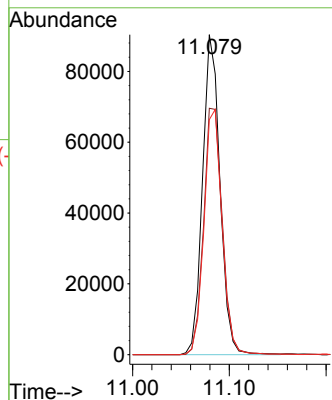
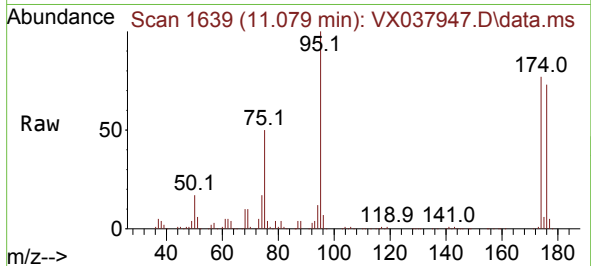




#60
4-Bromofluorobenzene
Concen: 29.059 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037947.D
Acq: 28 Sep 2023 13:51

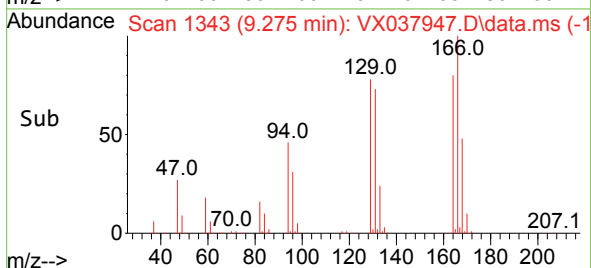
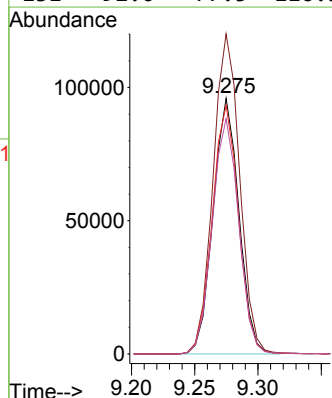
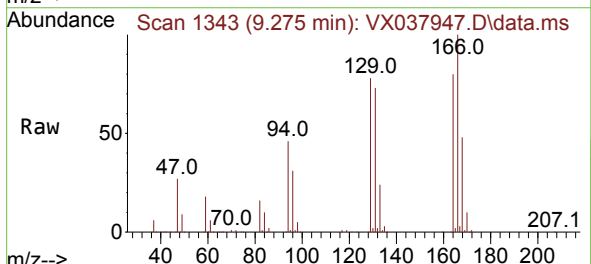
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WPDL

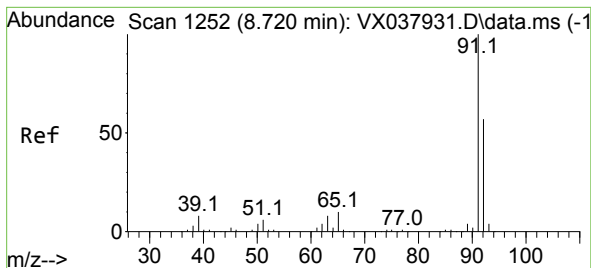
Tgt Ion: 95 Resp: 113209
Ion Ratio Lower Upper
95 100
174 82.7 60.5 90.7
176 79.6 58.2 87.4



#61
Tetrachloroethene
Concen: 53.546 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX037947.D
Acq: 28 Sep 2023 13:51

Tgt Ion: 164 Resp: 136183
Ion Ratio Lower Upper
164 100
166 125.1 104.5 156.7
129 97.2 78.0 117.0
131 92.0 77.5 116.3





#62

Toluene

Concen: 11.016 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX037947.D

Acq: 28 Sep 2023 13:51

Instrument :

MSVOA_X

ClientSampleId :

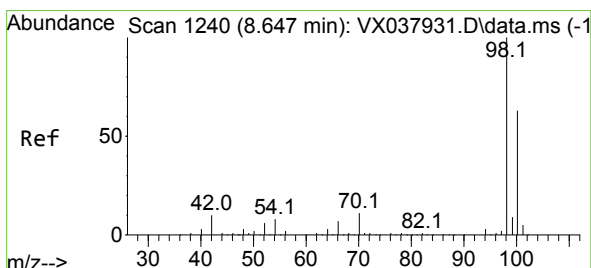
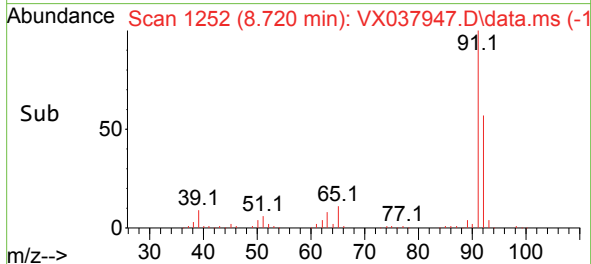
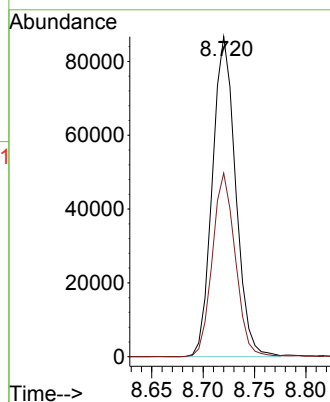
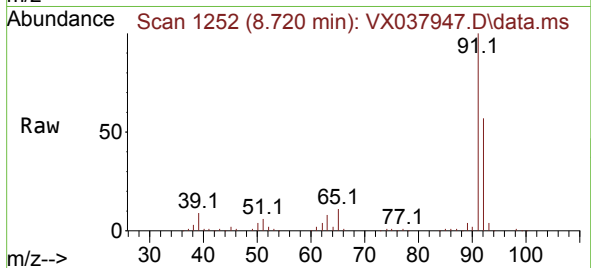
PT-VOA-WPDL

Tgt Ion: 91 Resp: 136562

Ion Ratio Lower Upper

91 100

92 56.5 44.9 67.3



#63

Toluene-d8

Concen: 29.833 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.006 min

Lab File: VX037947.D

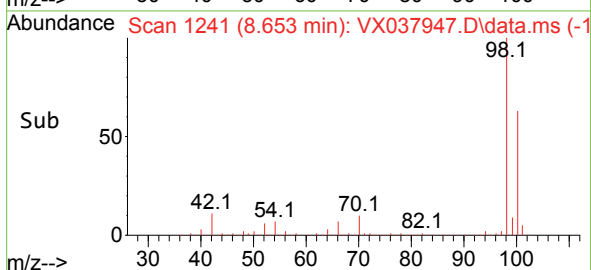
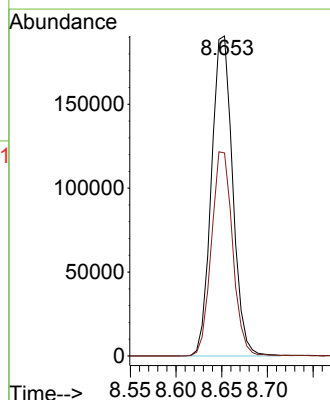
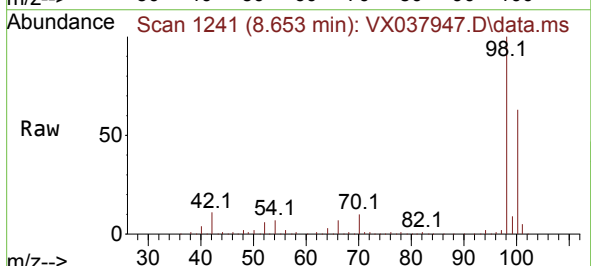
Acq: 28 Sep 2023 13:51

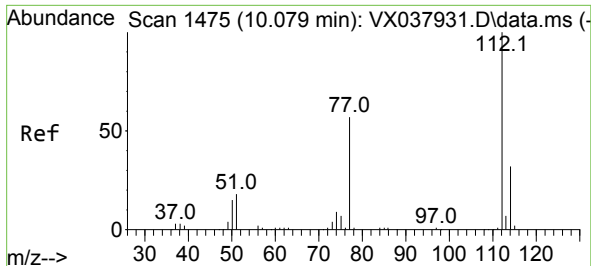
Tgt Ion: 98 Resp: 307779

Ion Ratio Lower Upper

98 100

100 63.7 51.6 77.4

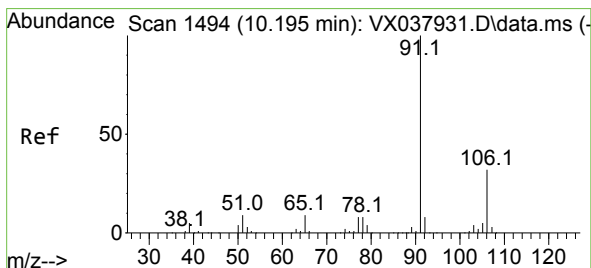
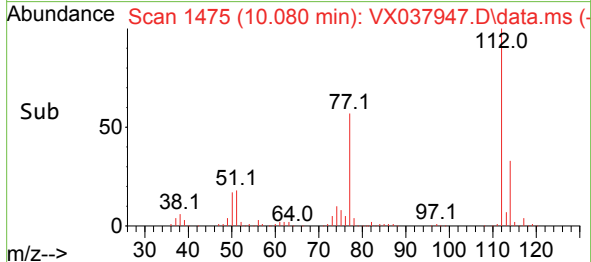
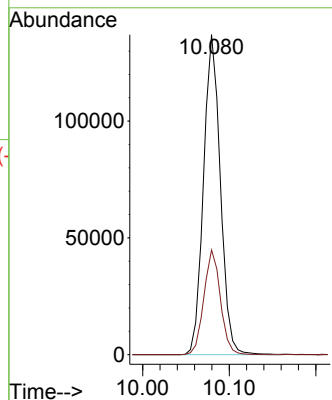
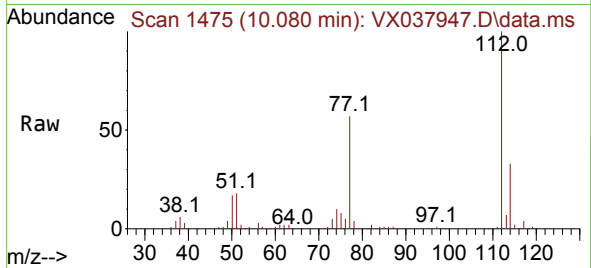




#64
Chlorobenzene
Concen: 23.948 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX037947.D
Acq: 28 Sep 2023 13:51

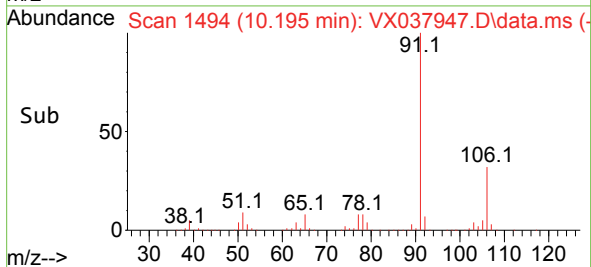
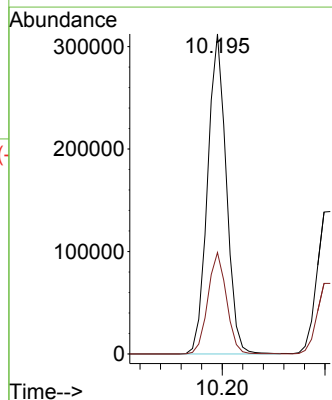
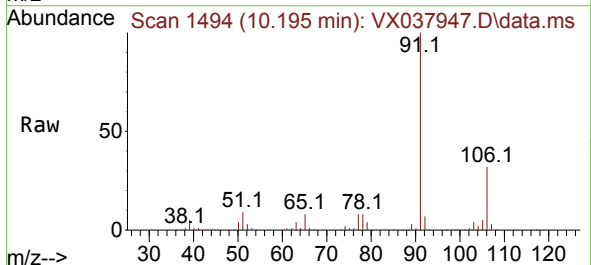
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WPDL

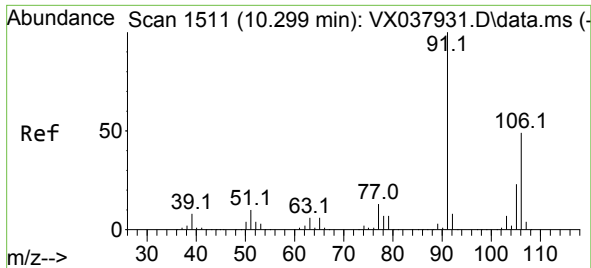
Tgt Ion:112 Resp: 185201
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.6



#66
Ethyl Benzene
Concen: 28.768 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX037947.D
Acq: 28 Sep 2023 13:51

Tgt Ion: 91 Resp: 393599
Ion Ratio Lower Upper
91 100
106 31.7 24.2 36.4

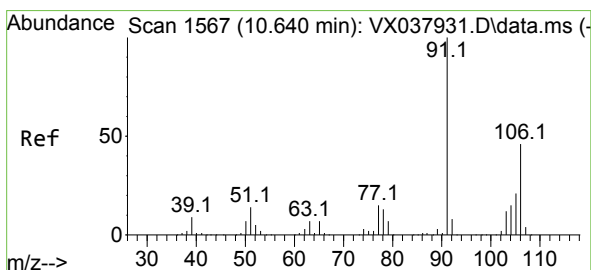
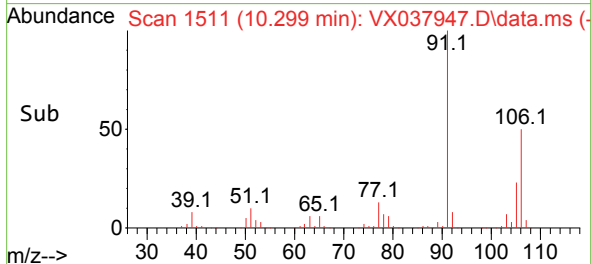
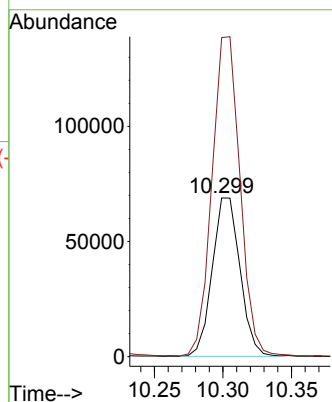
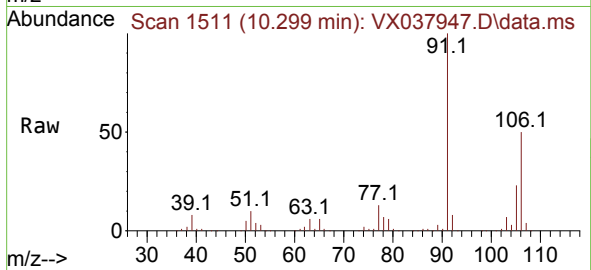




#67
m/p-Xylenes
Concen: 17.961 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX037947.D
Acq: 28 Sep 2023 13:51

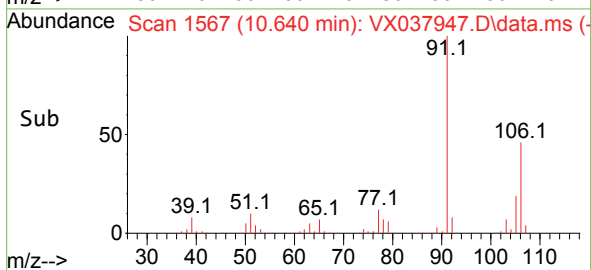
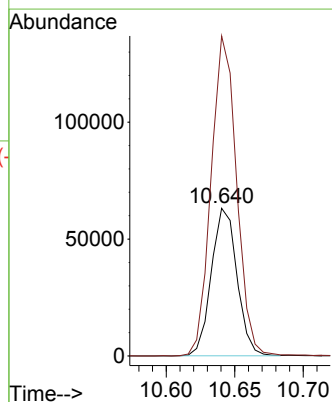
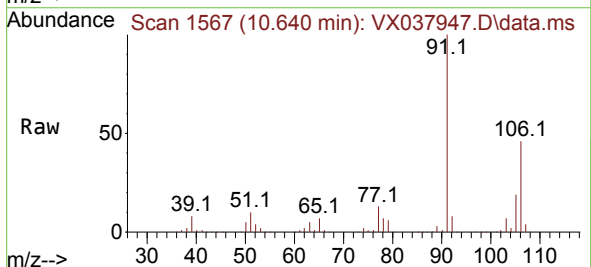
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WPDL

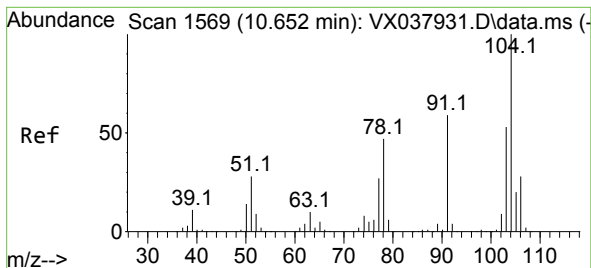
Tgt Ion:106 Resp: 96805
Ion Ratio Lower Upper
106 100
91 205.5 160.5 240.7



#68
o-Xylene
Concen: 15.732 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX037947.D
Acq: 28 Sep 2023 13:51

Tgt Ion:106 Resp: 82113
Ion Ratio Lower Upper
106 100
91 215.5 105.4 316.1





#69

Styrene

Concen: 0.541 ug/l

RT: 10.647 min Scan# 1568

Delta R.T. -0.006 min

Lab File: VX037947.D

Acq: 28 Sep 2023 13:51

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WPDL

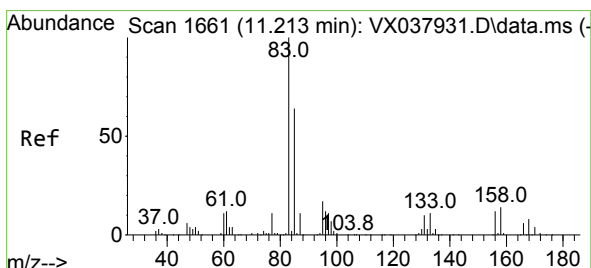
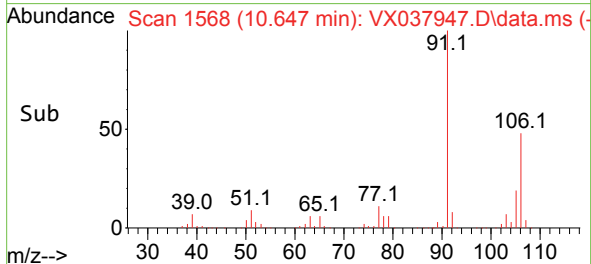
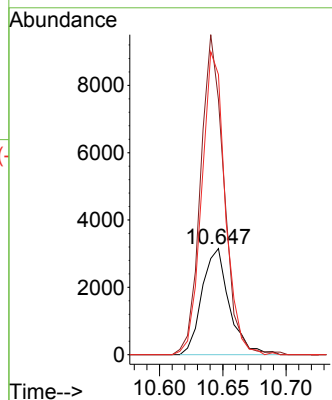
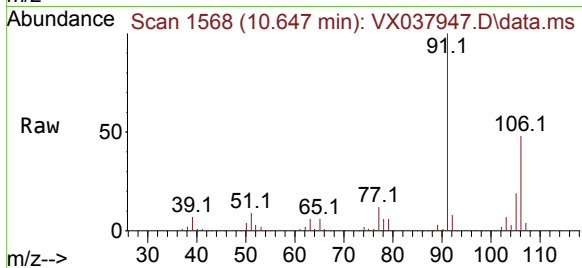
Tgt Ion:104 Resp: 4740

Ion Ratio Lower Upper

104 100

78 257.6 41.0 61.4#

103 245.1 45.5 68.3#



#71

1,1,2,2-Tetrachloroethane

Concen: 0.646 ug/l

RT: 11.238 min Scan# 1665

Delta R.T. 0.025 min

Lab File: VX037947.D

Acq: 28 Sep 2023 13:51

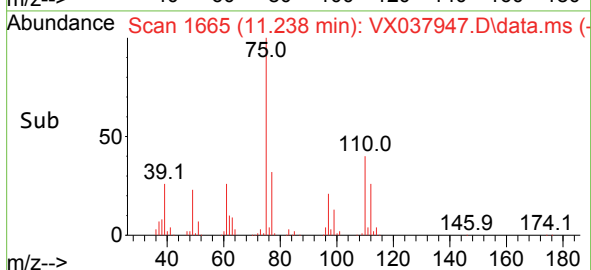
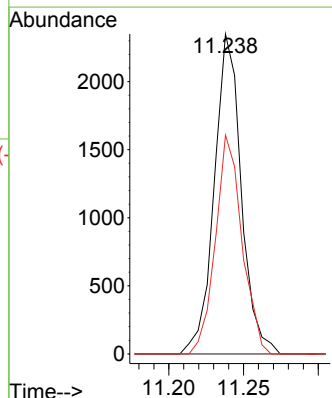
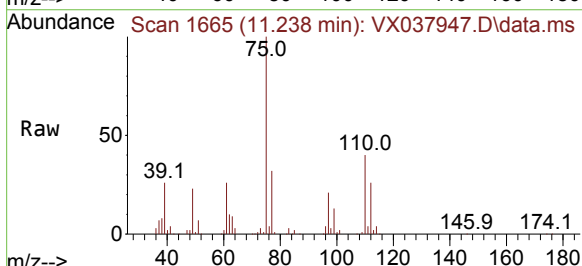
Tgt Ion: 83 Resp: 2947

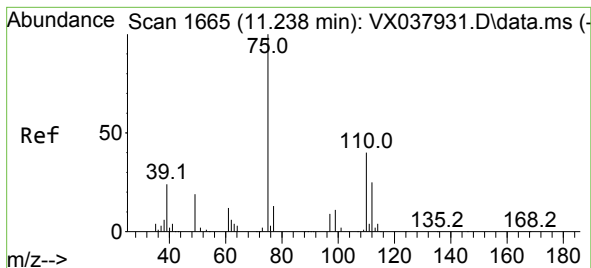
Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.8#

85 67.2 32.4 97.0





#72

1,2,3-Trichloropropane

Concen: 26.555 ug/l

RT: 11.238 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX037947.D

Acq: 28 Sep 2023 13:51

Instrument :

MSVOA_X

ClientSampleId :

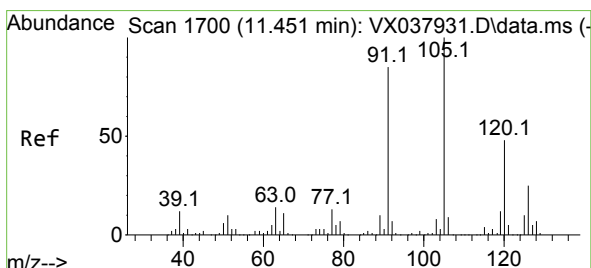
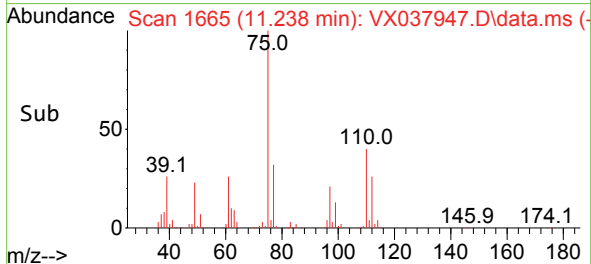
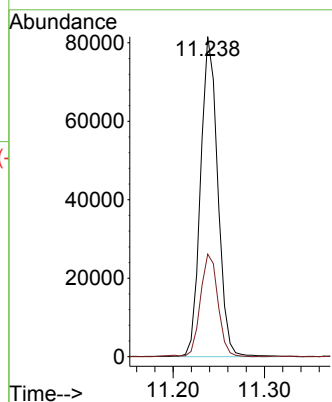
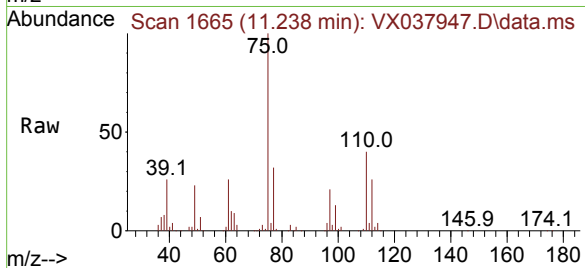
PT-VOA-WPDL

Tgt Ion: 75 Resp: 106445

Ion Ratio Lower Upper

75 100

77 32.5 0.0 77.2



#76

1,3,5-Trimethylbenzene

Concen: 44.719 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX037947.D

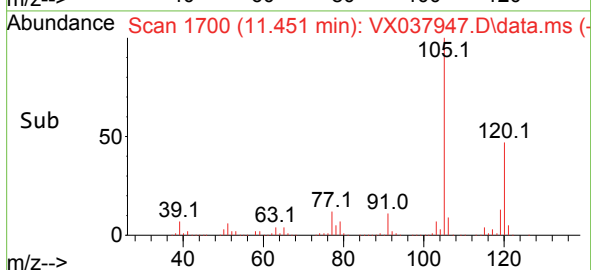
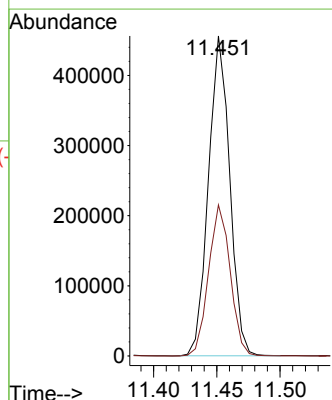
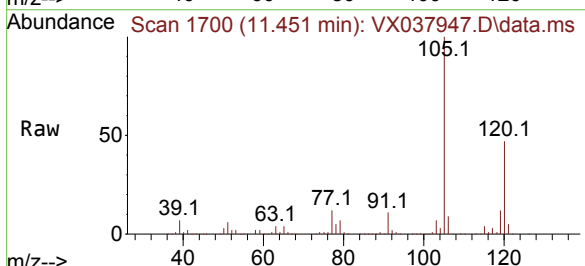
Acq: 28 Sep 2023 13:51

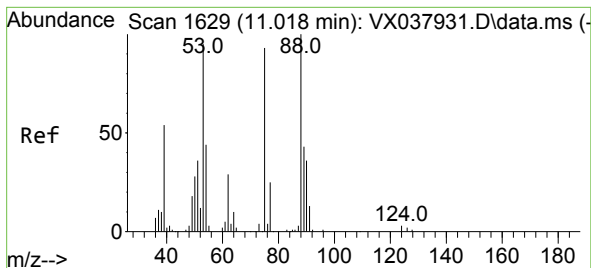
Tgt Ion: 105 Resp: 534173

Ion Ratio Lower Upper

105 100

120 48.0 0.0 96.4

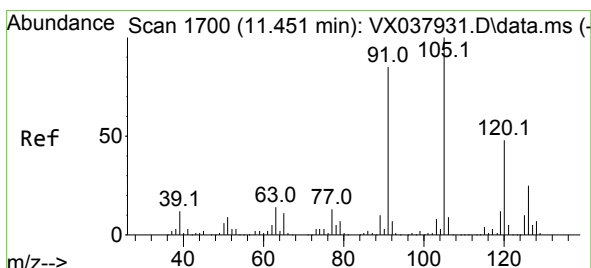
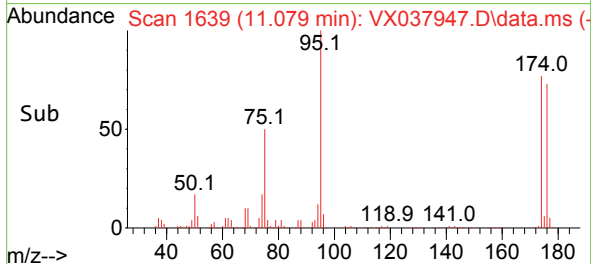
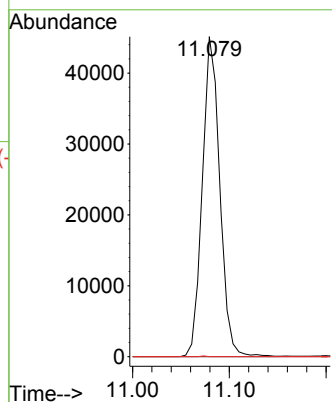
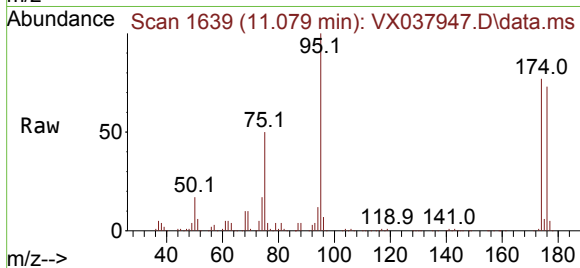




#77
 t-1,4-Dichloro-2-butene
 Concen: 44.728 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX037947.D
 Acq: 28 Sep 2023 13:51

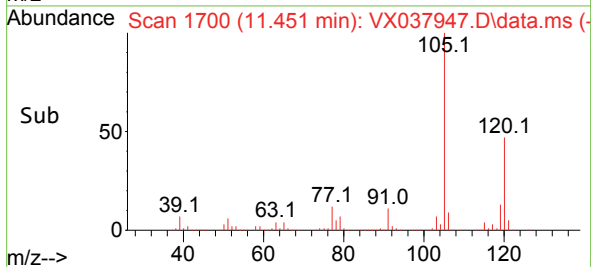
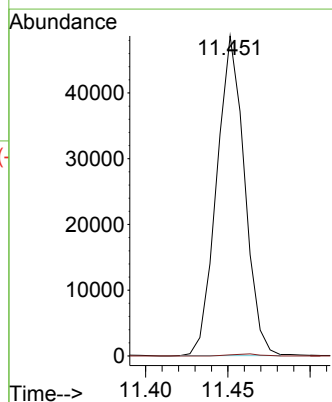
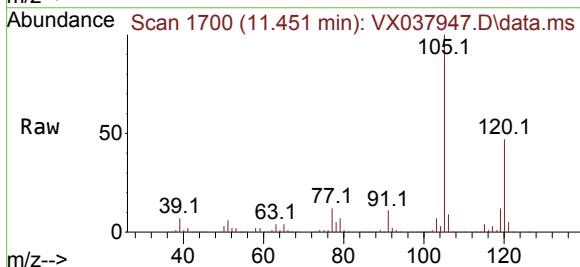
Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WPDL

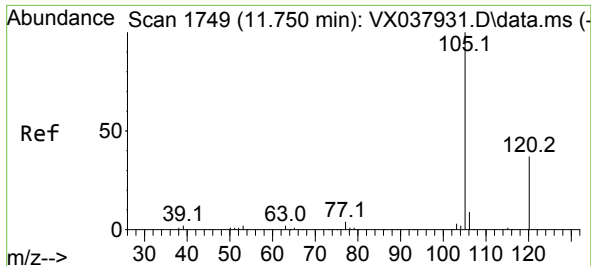
Tgt Ion: 75 Resp: 56783
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.9 161.7#
 89 0.0 22.1 66.1#



#78
 4-Chlorotoluene
 Concen: 5.042 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX037947.D
 Acq: 28 Sep 2023 13:51

Tgt Ion: 91 Resp: 57298
 Ion Ratio Lower Upper
 91 100
 126 0.6 0.0 59.4

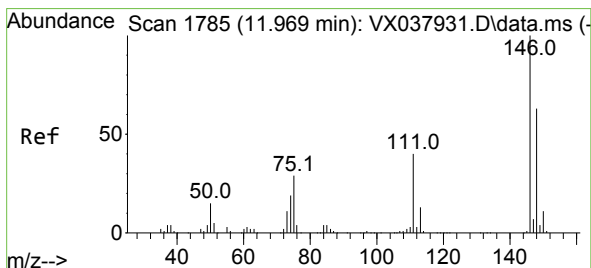
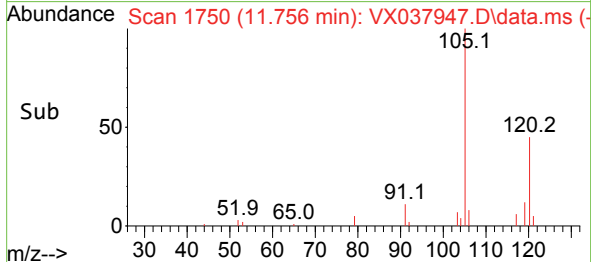
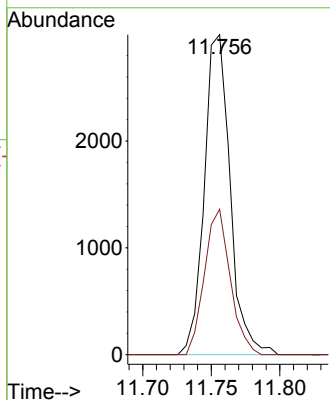
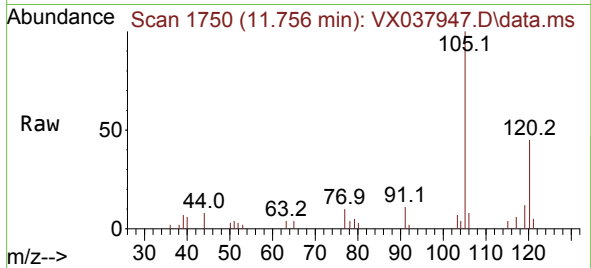




#80
 1,2,4-Trimethylbenzene
 Concen: 0.331 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX037947.D
 Acq: 28 Sep 2023 13:51

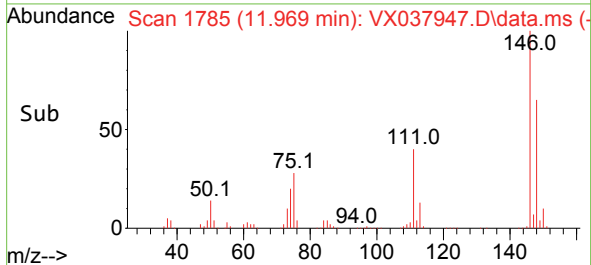
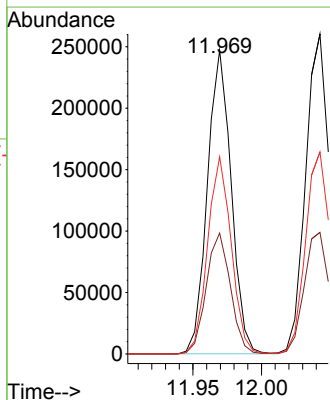
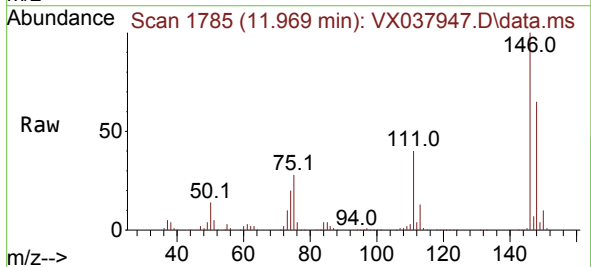
Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WPDL

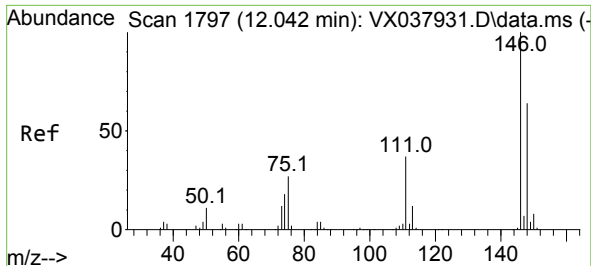
Tgt Ion:105 Resp: 3930
 Ion Ratio Lower Upper
 105 100
 120 45.3 0.0 90.2



#83
 1,3-Dichlorobenzene
 Concen: 44.039 ug/l
 RT: 11.969 min Scan# 1785
 Delta R.T. 0.000 min
 Lab File: VX037947.D
 Acq: 28 Sep 2023 13:51

Tgt Ion:146 Resp: 298962
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.4 61.2
 148 64.6 31.6 94.8

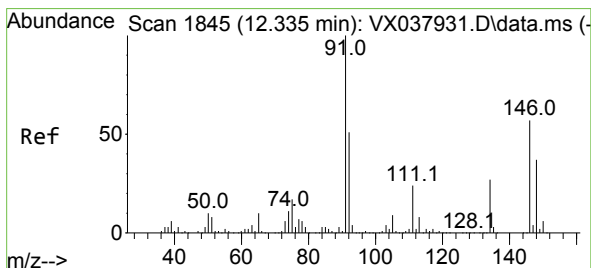
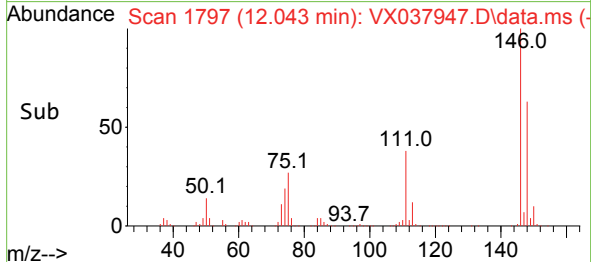
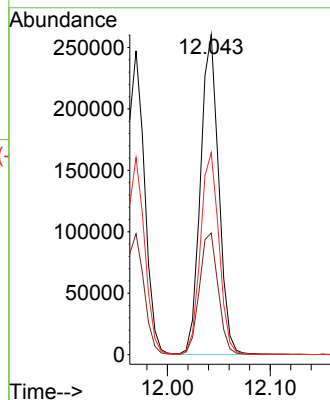
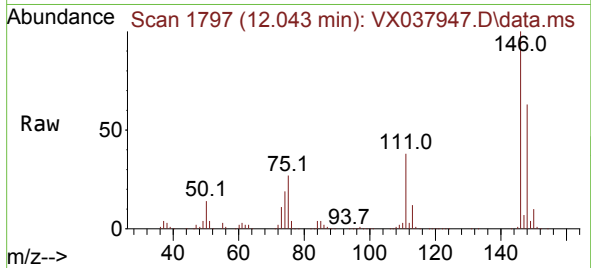




#84
1,4-Dichlorobenzene
Concen: 46.774 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX037947.D
Acq: 28 Sep 2023 13:51

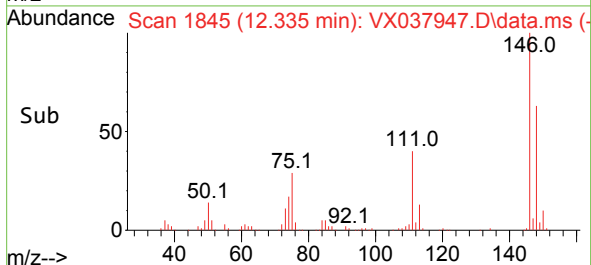
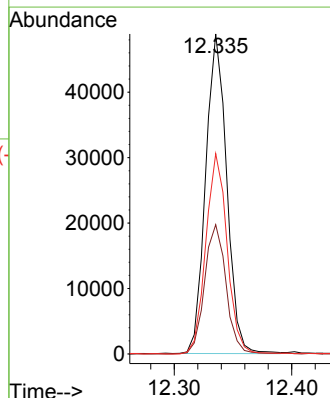
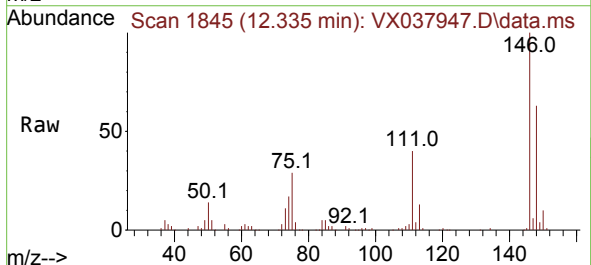
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WPDL

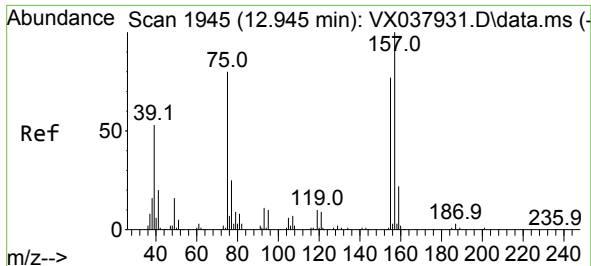
Tgt Ion:146 Resp: 321753
Ion Ratio Lower Upper
146 100
111 39.4 20.2 60.6
148 64.4 32.1 96.3



#87
1,2-Dichlorobenzene
Concen: 9.101 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX037947.D
Acq: 28 Sep 2023 13:51

Tgt Ion:146 Resp: 60871
Ion Ratio Lower Upper
146 100
111 40.7 21.4 64.3
148 63.4 33.2 99.6

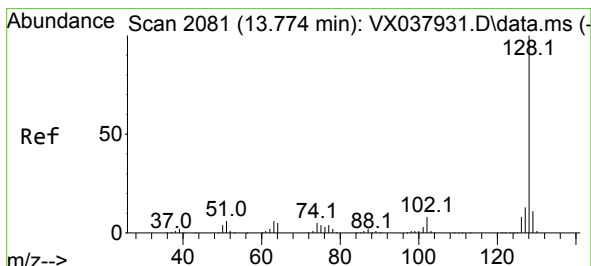
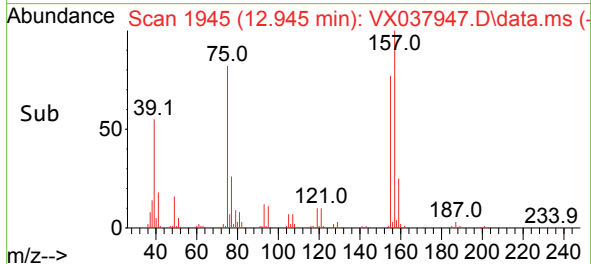
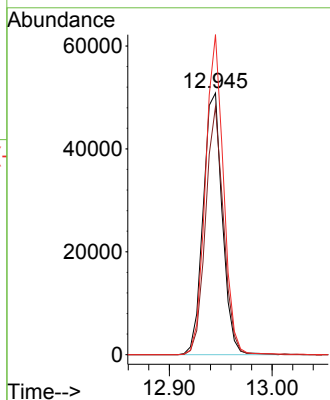
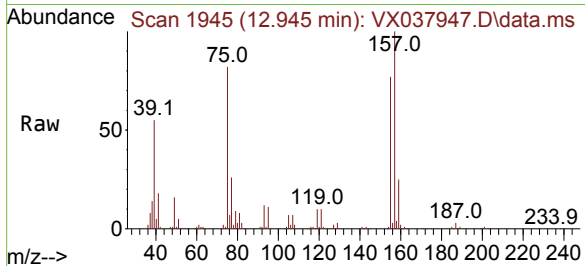




#88
 1,2-Dibromo-3-Chloropropane
 Concen: 72.396 ug/l
 RT: 12.945 min Scan# 1945
 Delta R.T. 0.000 min
 Lab File: VX037947.D
 Acq: 28 Sep 2023 13:51

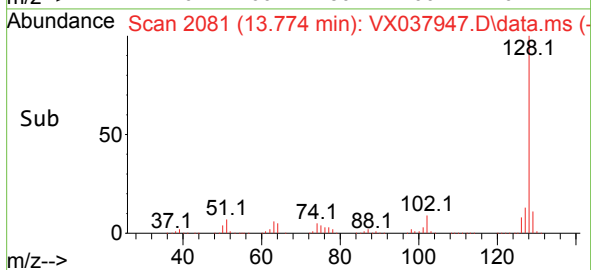
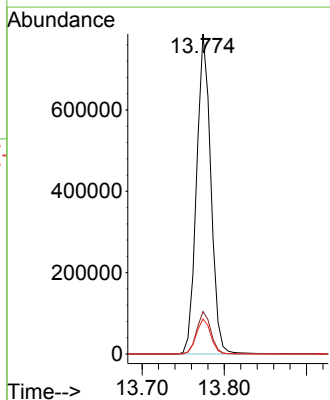
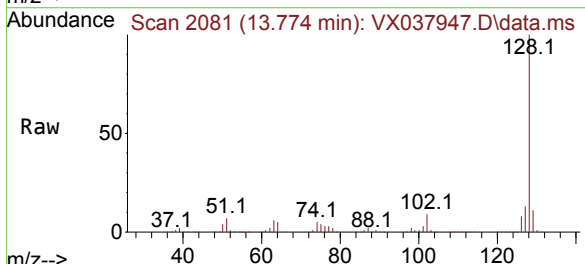
Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WPDL

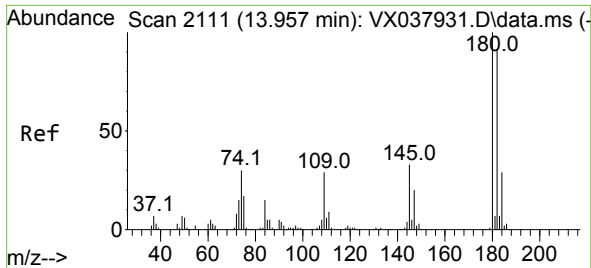
Tgt Ion: 75 Resp: 65830
 Ion Ratio Lower Upper
 75 100
 155 88.8 62.7 94.1
 157 115.0 81.5 122.3



#91
 Naphthalene
 Concen: 68.613 ug/l
 RT: 13.774 min Scan# 2081
 Delta R.T. 0.000 min
 Lab File: VX037947.D
 Acq: 28 Sep 2023 13:51

Tgt Ion: 128 Resp: 946976
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.3 15.5
 129 11.1 8.7 13.1





#92

1,2,3-Trichlorobenzene

Concen: 0.204 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX037947.D

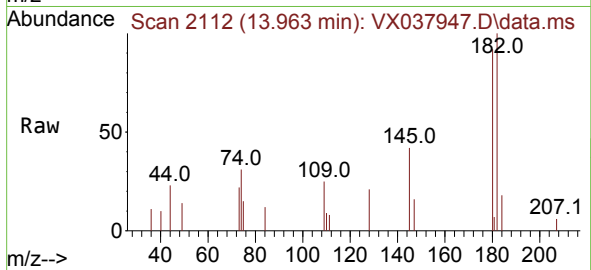
Acq: 28 Sep 2023 13:51

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WPDL



Tgt Ion:180 Resp: 903

Ion Ratio Lower Upper

180 100

182 100.4 0.0 190.6

145 34.9 0.0 66.8

