

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082223\
 Data File : VX037161.D
 Acq On : 22 Aug 2023 18:57
 Operator : JC/MD
 Sample : 04051-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 23 01:46:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

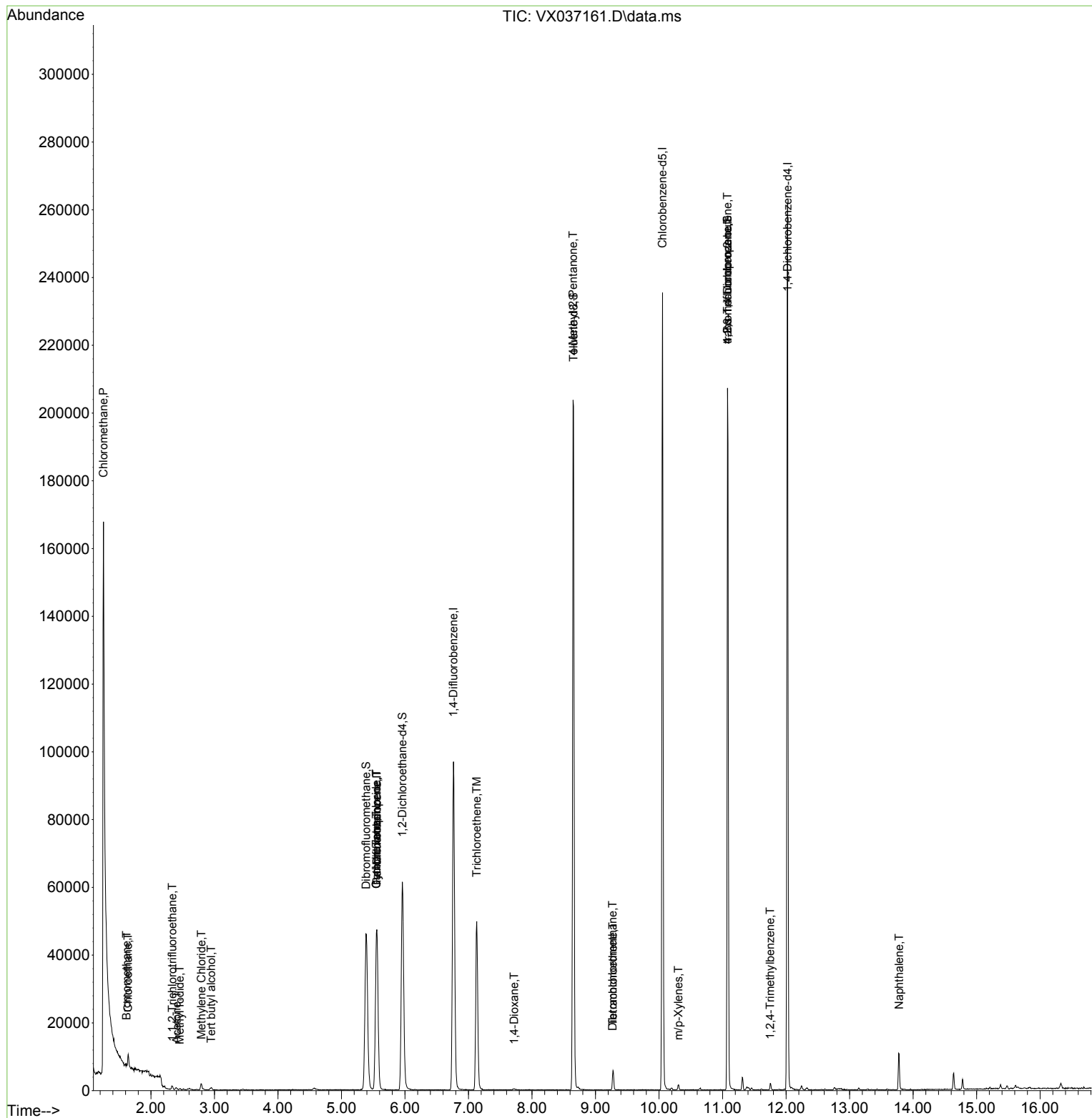
Internal Standards						
1) Pentafluorobenzene	5.556	168	45085	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	100089	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	106134	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	55192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	62583	96.284	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 192.560%#	
35) Dibromofluoromethane	5.385	113	41981	63.333	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 126.660%#	
50) Toluene-d8	8.653	98	127527	53.038	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 106.080%	
62) 4-Bromofluorobenzene	11.079	95	58980	62.418	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 124.840%#	
Target Compounds						
					Qvalue	
3) Chloromethane	1.252	50	7199	15.712	ug/l #	43
5) Bromomethane	1.617	94	52	0.209	ug/l	97
6) Chloroethane	1.636	64	950	3.237	ug/l #	63
9) 1,1,2-Trichlorotrifluo...	2.337	101	510	1.070	ug/l #	90
10) Methyl Iodide	2.453	142	275	0.475	ug/l #	73
11) Tert butyl alcohol	2.946	59	446	2.925	ug/l #	78
16) Acetone	2.404	43	827	3.252	ug/l	98
20) Methylene Chloride	2.794	84	901	1.584	ug/l #	69
31) Cyclohexane	5.550	56	910	1.245	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	3563	3.783	ug/l #	49
38) Carbon Tetrachloride	5.550	117	4899	4.789	ug/l #	14
44) Trichloroethene	7.129	130	20074	26.211	ug/l	95
49) 1,4-Dioxane	7.720	88	461	22.981	ug/l #	30
51) 4-Methyl-2-Pentanone	8.647	43	462	0.498	ug/l #	1
60) Dibromochloromethane	9.268	129	424	0.548	ug/l #	11
64) Tetrachloroethene	9.275	164	415	0.536	ug/l #	59
68) m/p-Xylenes	10.305	106	407	0.267	ug/l	77
76) 1,2,3-Trichloropropane	11.079	75	30353	25.823	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	30353	72.126	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.750	105	1187	0.351	ug/l	99
95) Naphthalene	13.780	128	8314	1.806	ug/l	97

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082223\
Data File : VX037161.D
Acq On : 22 Aug 2023 18:57
Operator : JC/MD
Sample : 04051-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Aug 23 01:46:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration

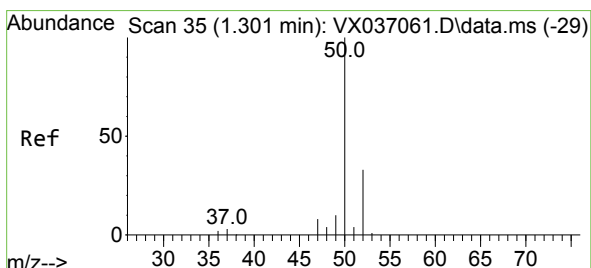
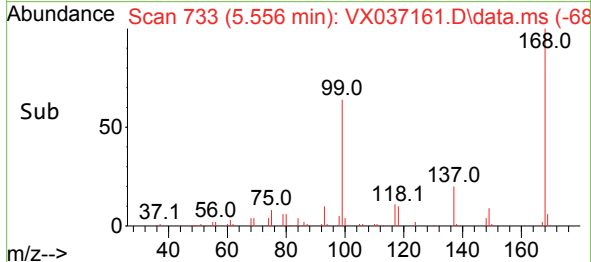
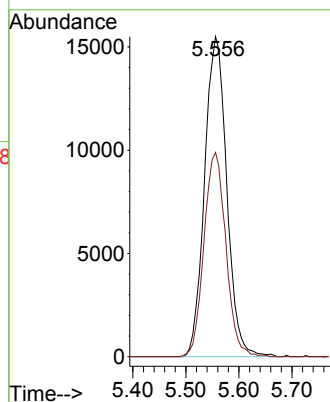
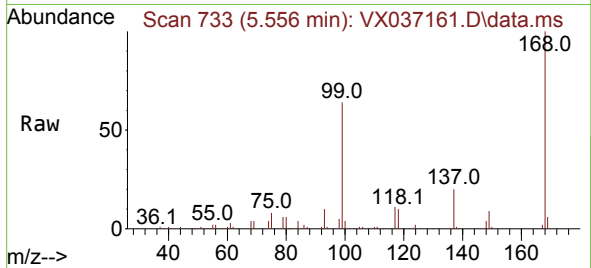




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037161.D
Acq: 22 Aug 2023 18:57

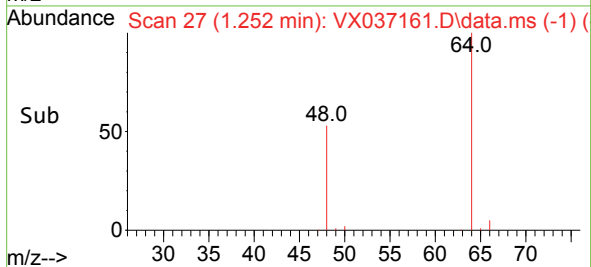
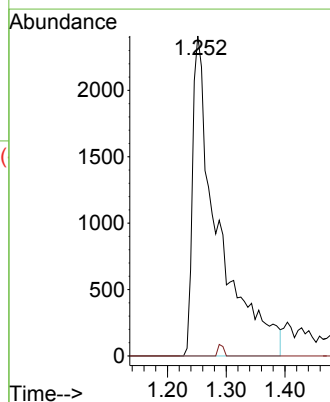
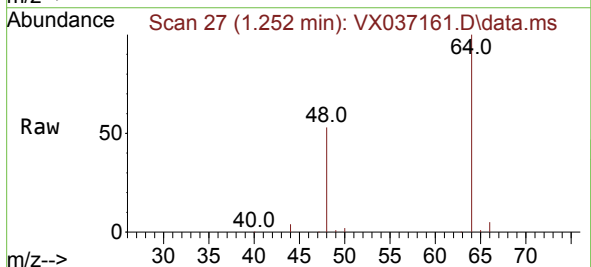
Instrument :
MSVOA_X
ClientSampleId :

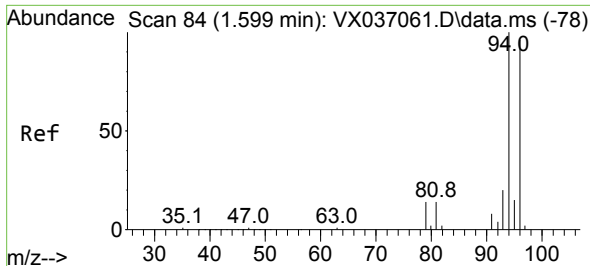
Tgt Ion:168 Resp: 45085
Ion Ratio Lower Upper
168 100
99 63.8 56.6 85.0



#3
Chloromethane
Concen: 15.712 ug/l
RT: 1.252 min Scan# 27
Delta R.T. -0.049 min
Lab File: VX037161.D
Acq: 22 Aug 2023 18:57

Tgt Ion: 50 Resp: 7199
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

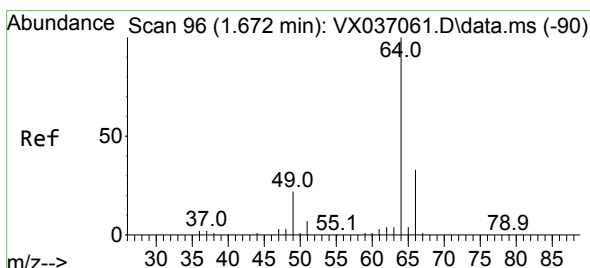
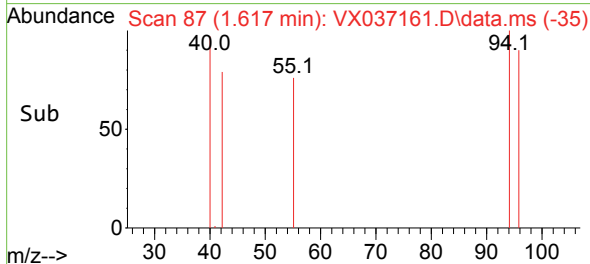
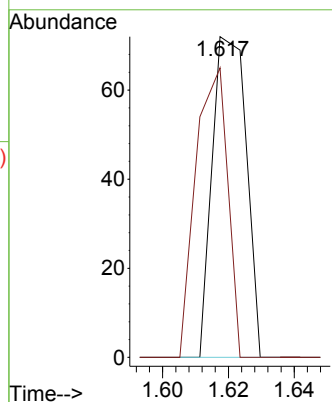
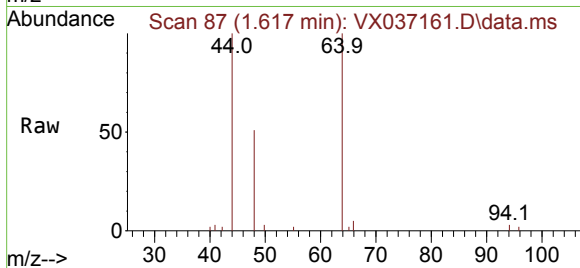




#5
Bromomethane
Concen: 0.209 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX037161.D
Acq: 22 Aug 2023 18:57

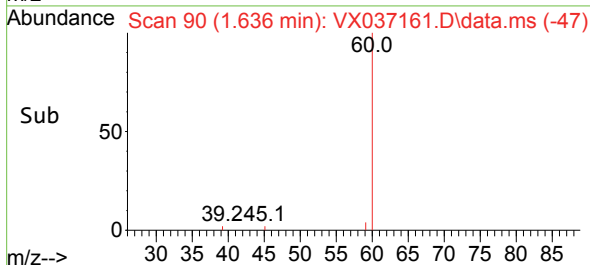
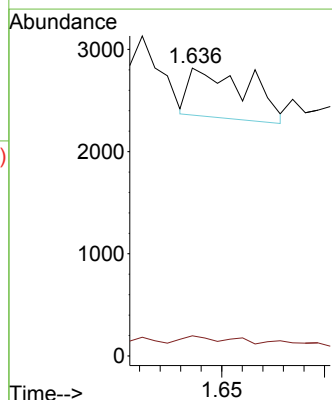
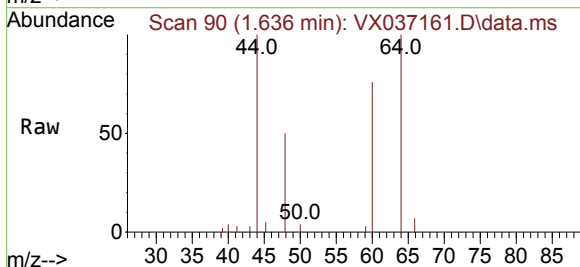
Instrument :
MSVOA_X
ClientSampleId :

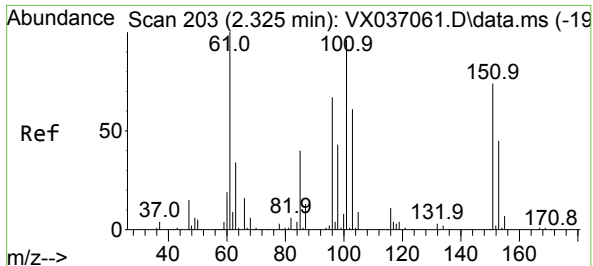
Tgt Ion: 94 Resp: 52
Ion Ratio Lower Upper
94 100
96 90.3 74.6 111.8



#6
Chloroethane
Concen: 3.237 ug/l
RT: 1.636 min Scan# 90
Delta R.T. -0.036 min
Lab File: VX037161.D
Acq: 22 Aug 2023 18:57

Tgt Ion: 64 Resp: 950
Ion Ratio Lower Upper
64 100
66 10.7 25.1 37.7#

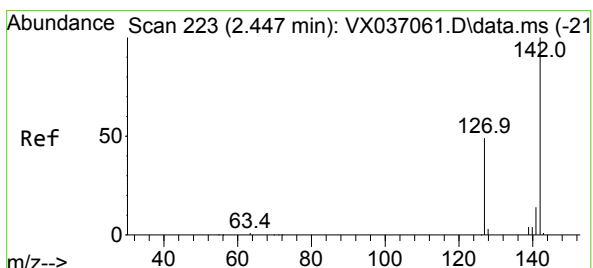
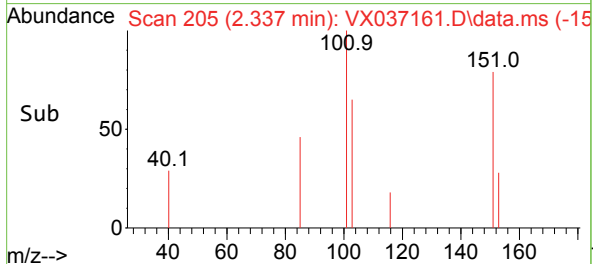
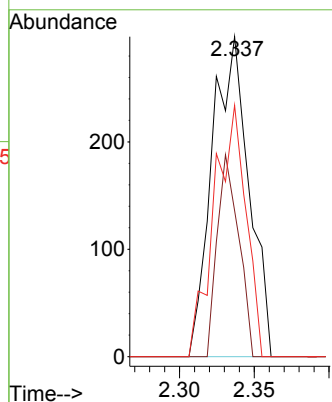
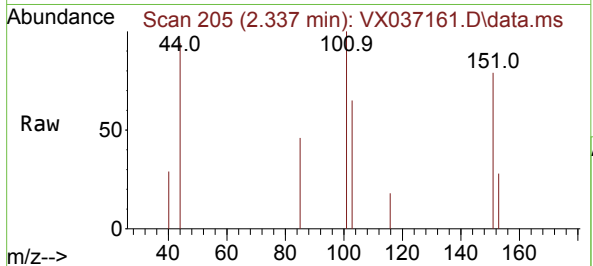




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.070 ug/l
RT: 2.337 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX037161.D
Acq: 22 Aug 2023 18:57

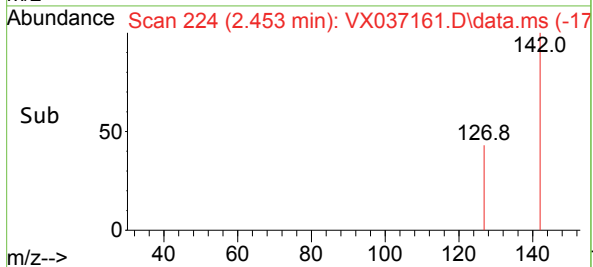
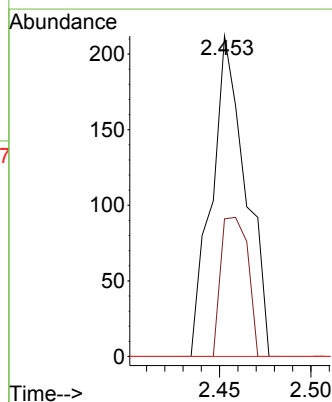
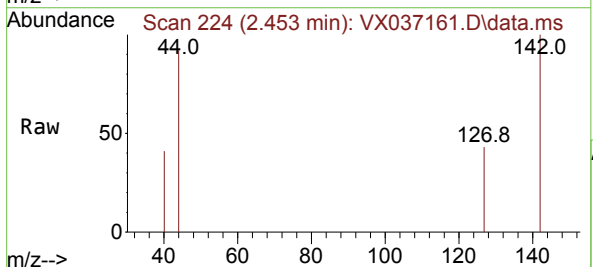
Instrument :
MSVOA_X
ClientSampleId :

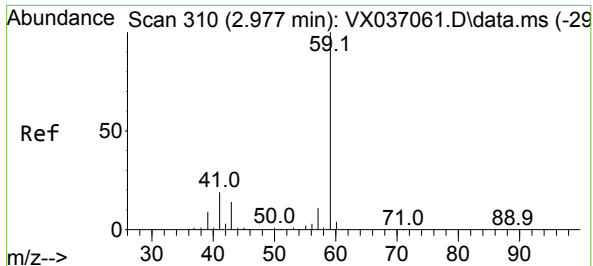
Tgt Ion:101 Resp: 510
Ion Ratio Lower Upper
101 100
85 36.9 37.0 55.6#
151 67.6 58.6 87.8



#10
Methyl Iodide
Concen: 0.475 ug/l
RT: 2.453 min Scan# 224
Delta R.T. 0.006 min
Lab File: VX037161.D
Acq: 22 Aug 2023 18:57

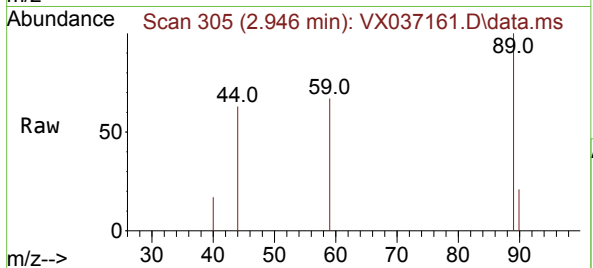
Tgt Ion:142 Resp: 275
Ion Ratio Lower Upper
142 100
127 34.5 41.6 62.4#
141 0.0 11.6 17.4#



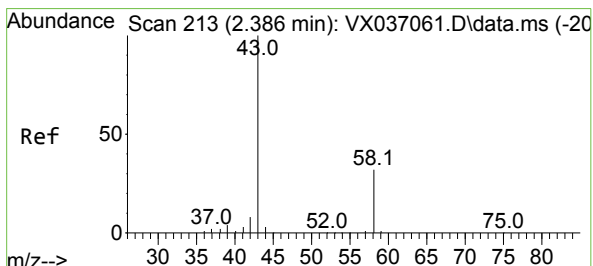
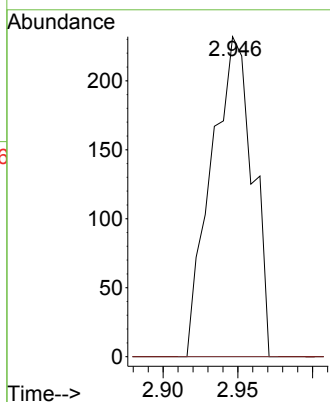
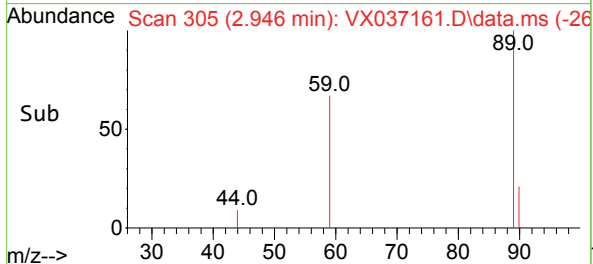


#11
Tert butyl alcohol
Concen: 2.925 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.031 min
Lab File: VX037161.D
Acq: 22 Aug 2023 18:57

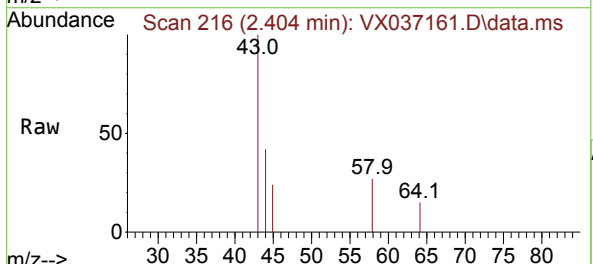
Instrument :
MSVOA_X
ClientSampleId :



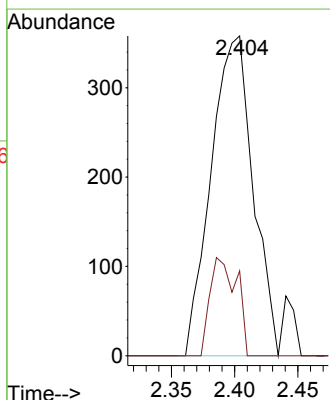
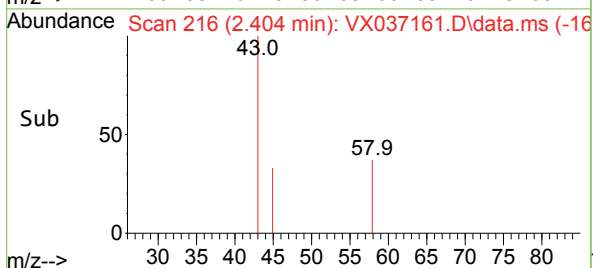
Tgt Ion: 59 Resp: 446
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

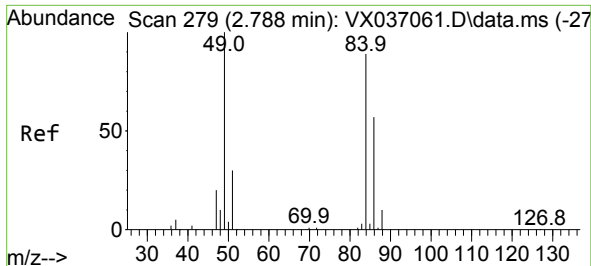


#16
Acetone
Concen: 3.252 ug/l
RT: 2.404 min Scan# 216
Delta R.T. 0.018 min
Lab File: VX037161.D
Acq: 22 Aug 2023 18:57



Tgt Ion: 43 Resp: 827
Ion Ratio Lower Upper
43 100
58 26.5 21.9 32.9





#20

Methylene Chloride

Concen: 1.584 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

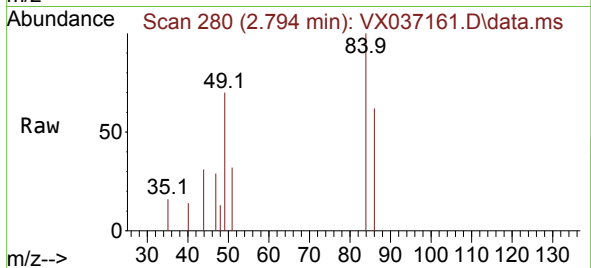
Lab File: VX037161.D

Acq: 22 Aug 2023 18:57

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 901

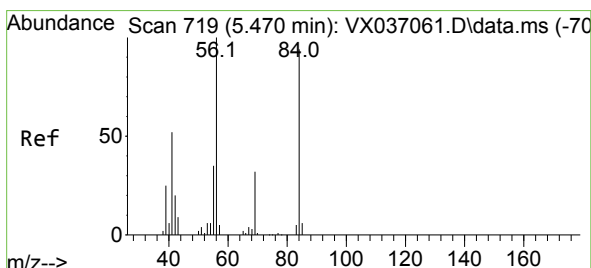
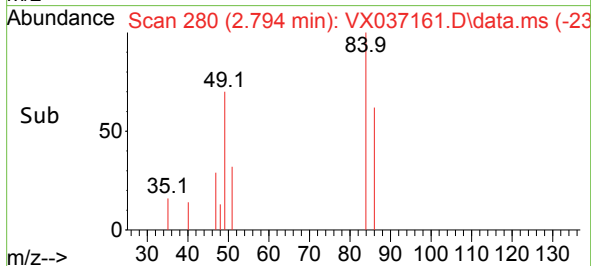
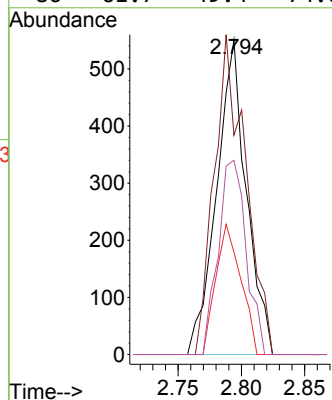
Ion Ratio Lower Upper

84 100

49 69.7 103.6 155.4#

51 32.5 33.8 50.6#

86 61.7 49.4 74.0



#31

Cyclohexane

Concen: 1.245 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX037161.D

Acq: 22 Aug 2023 18:57

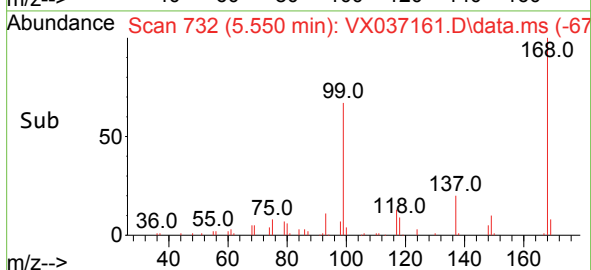
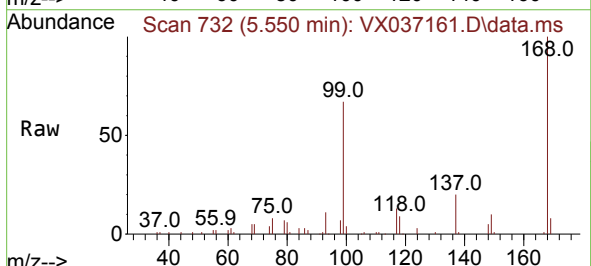
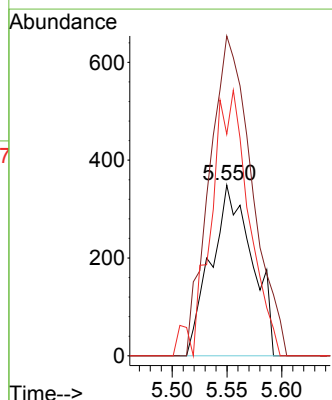
Tgt Ion: 56 Resp: 910

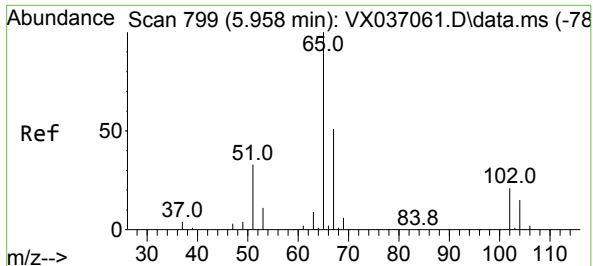
Ion Ratio Lower Upper

56 100

69 187.4 23.4 35.2#

84 129.8 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 96.284 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037161.D

Acq: 22 Aug 2023 18:57

Instrument :

MSVOA_X

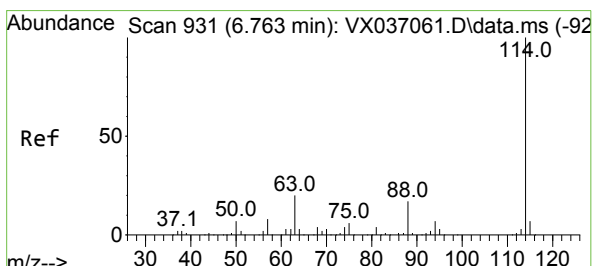
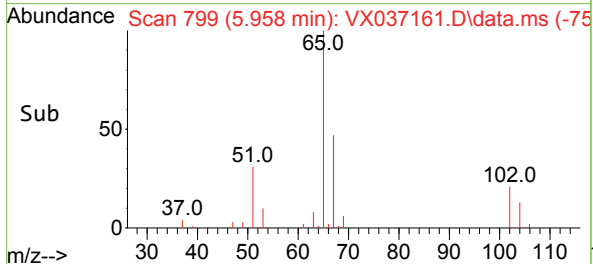
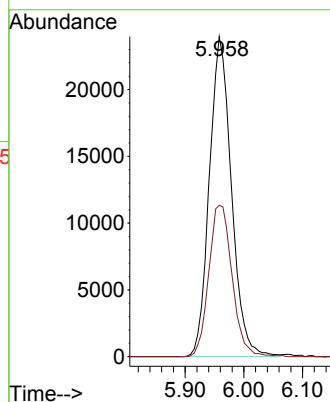
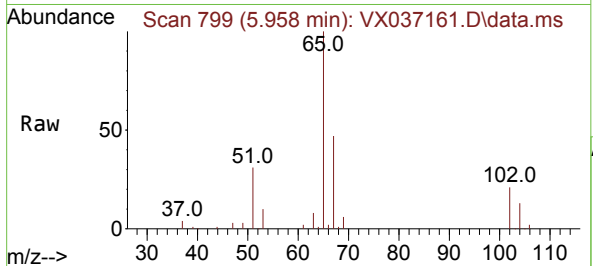
ClientSampleId :

Tgt Ion: 65 Resp: 62583

Ion Ratio Lower Upper

65 100

67 50.0 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX037161.D

Acq: 22 Aug 2023 18:57

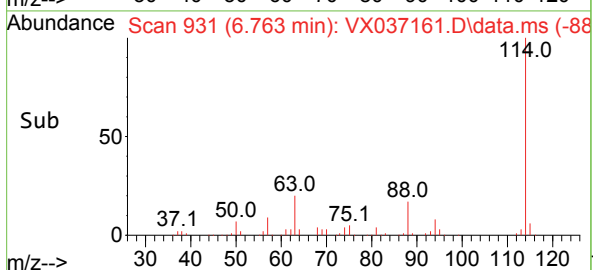
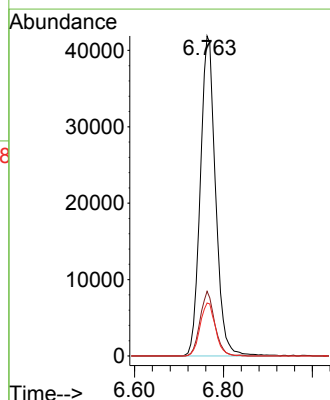
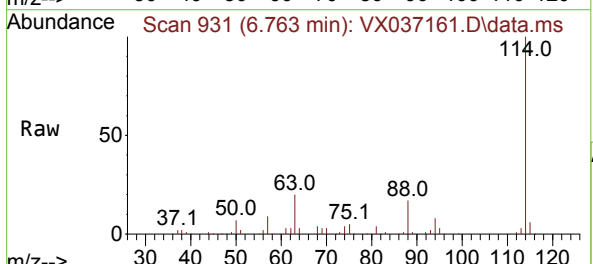
Tgt Ion: 114 Resp: 100089

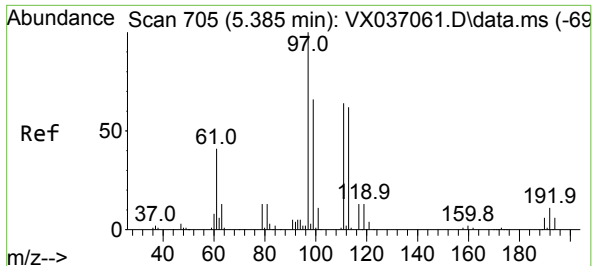
Ion Ratio Lower Upper

114 100

63 20.2 0.0 45.0

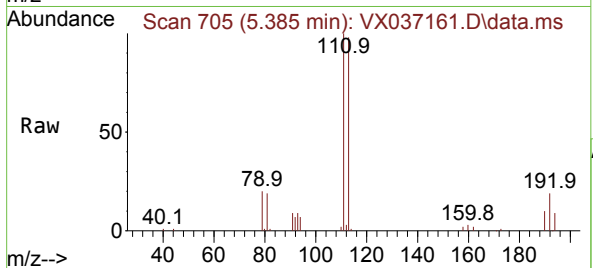
88 16.6 0.0 36.6



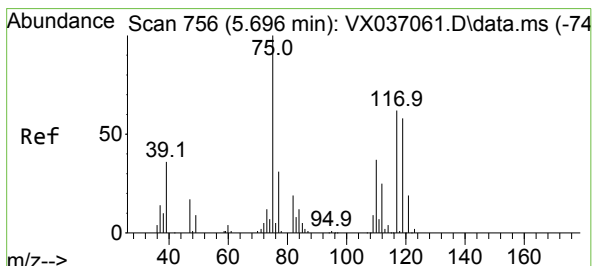
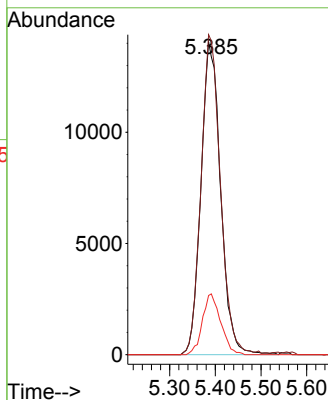
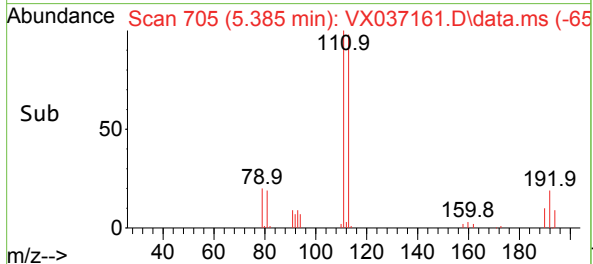


#35
 Dibromofluoromethane
 Concen: 63.333 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. -0.000 min
 Lab File: VX037161.D
 Acq: 22 Aug 2023 18:57

Instrument :
 MSVOA_X
 ClientSampleId :

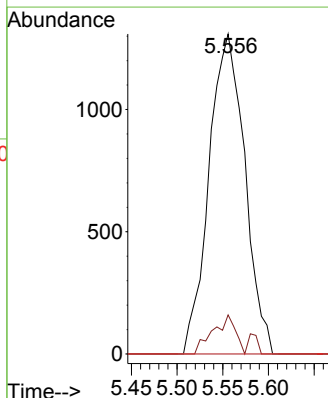
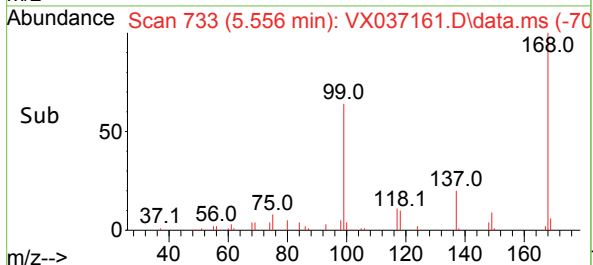
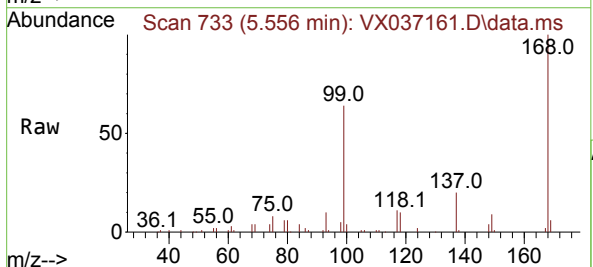


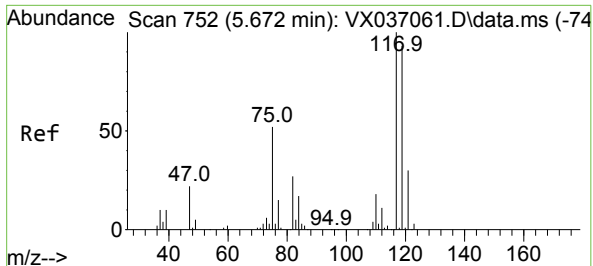
Tgt Ion:113 Resp: 41981
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.9 124.3
 192 18.1 13.3 19.9



#36
 1,1-Dichloropropene
 Concen: 3.783 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. -0.140 min
 Lab File: VX037161.D
 Acq: 22 Aug 2023 18:57

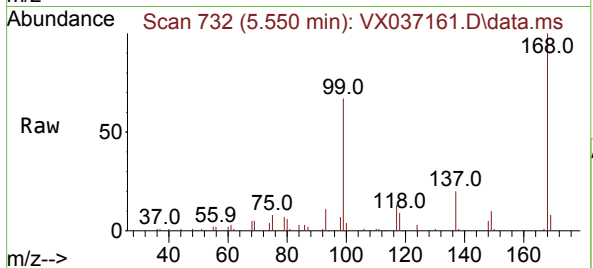
Tgt Ion: 75 Resp: 3563
 Ion Ratio Lower Upper
 75 100
 110 7.7 17.0 50.9#
 77 0.0 24.7 37.1#



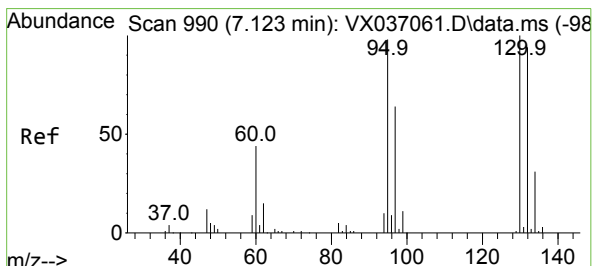
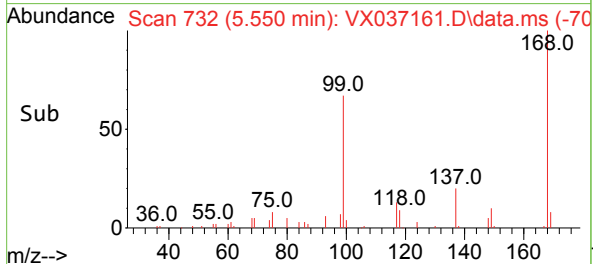
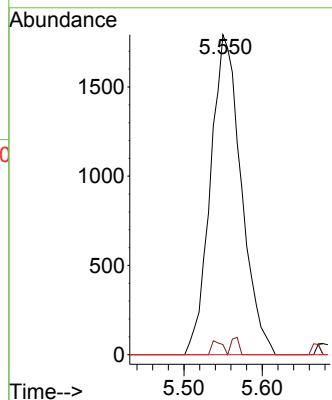


#38
Carbon Tetrachloride
Concen: 4.789 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX037161.D
Acq: 22 Aug 2023 18:57

Instrument :
MSVOA_X
ClientSampleId :

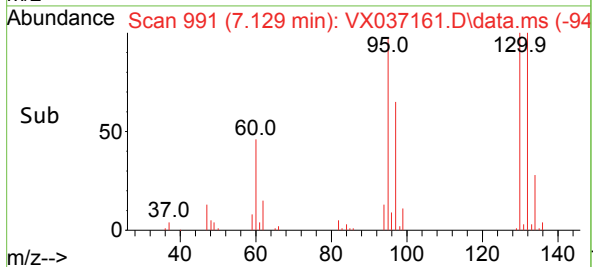
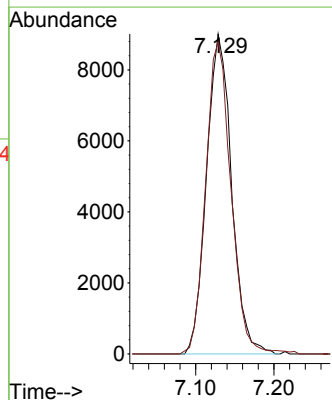
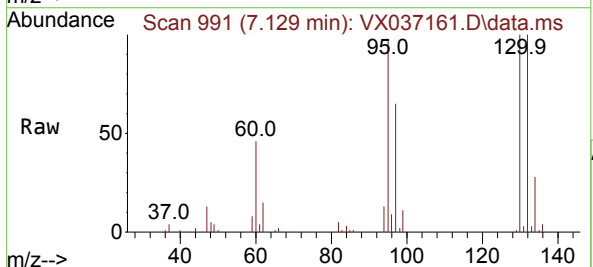


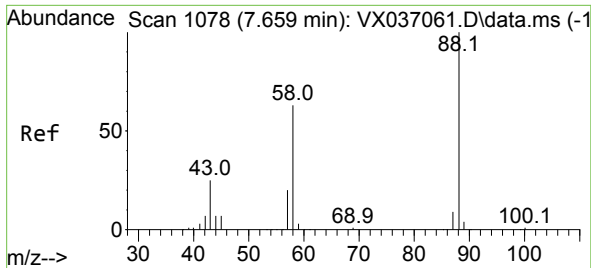
Tgt Ion:117 Resp: 4899
Ion Ratio Lower Upper
117 100
119 3.1 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 26.211 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037161.D
Acq: 22 Aug 2023 18:57

Tgt Ion:130 Resp: 20074
Ion Ratio Lower Upper
130 100
95 97.4 0.0 204.4

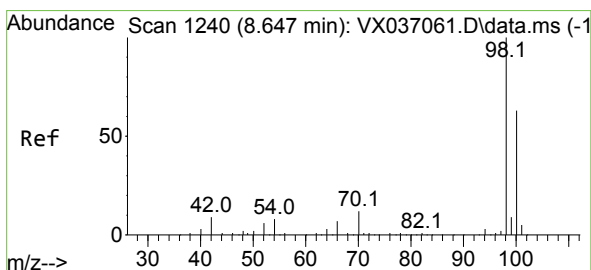
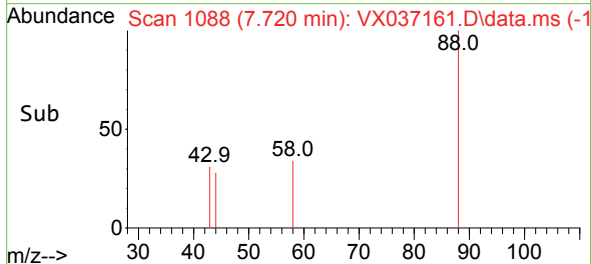
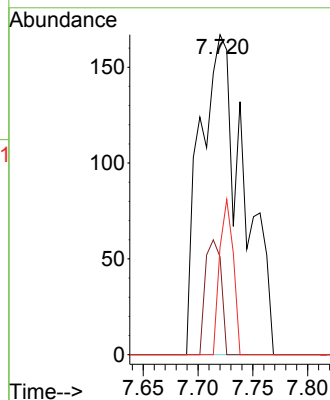
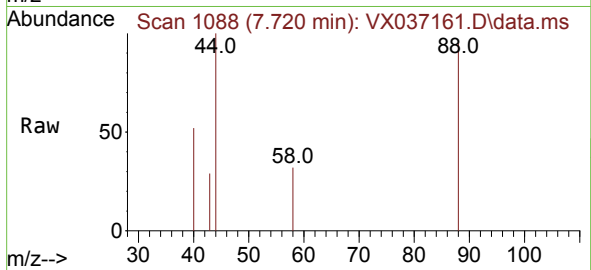




#49
1,4-Dioxane
Concen: 22.981 ug/l
RT: 7.720 min Scan# 1078
Delta R.T. 0.061 min
Lab File: VX037161.D
Acq: 22 Aug 2023 18:57

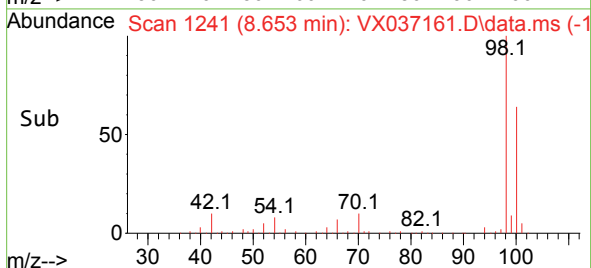
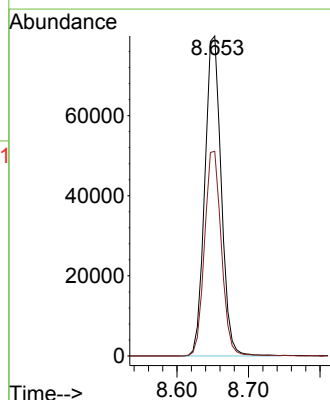
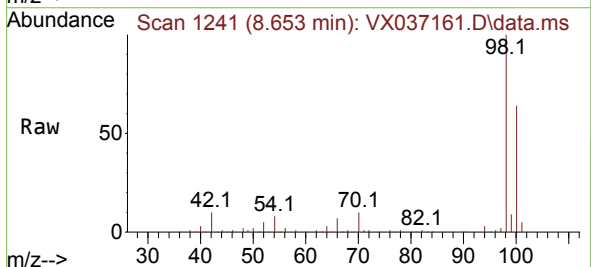
Instrument :
MSVOA_X
ClientSampleId :

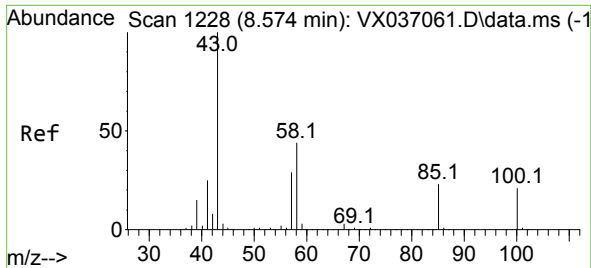
Tgt Ion: 88 Resp: 461
Ion Ratio Lower Upper
88 100
43 13.0 0.0 0.0#
58 15.2 60.1 90.1#



#50
Toluene-d8
Concen: 53.038 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX037161.D
Acq: 22 Aug 2023 18:57

Tgt Ion: 98 Resp: 127527
Ion Ratio Lower Upper
98 100
100 65.5 53.1 79.7

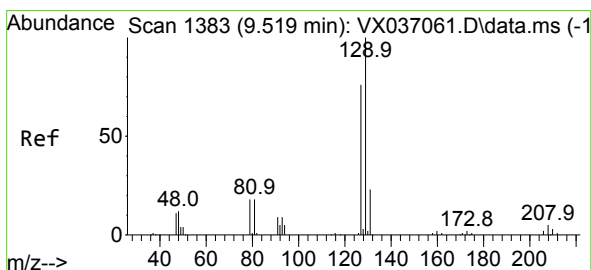
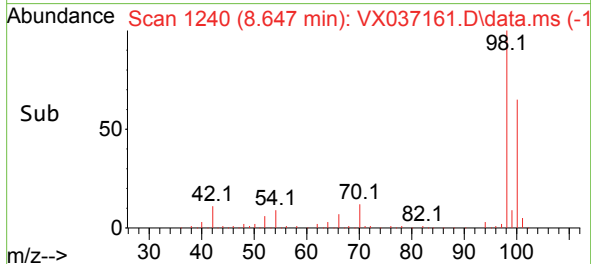
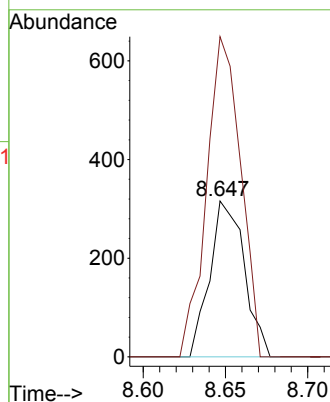
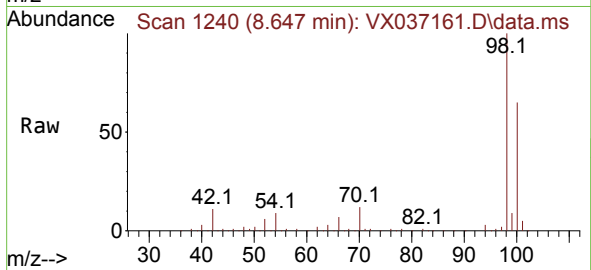




#51
 4-Methyl-2-Pentanone
 Concen: 0.498 ug/l
 RT: 8.647 min Scan# 11
 Delta R.T. 0.073 min
 Lab File: VX037161.D
 Acq: 22 Aug 2023 18:57

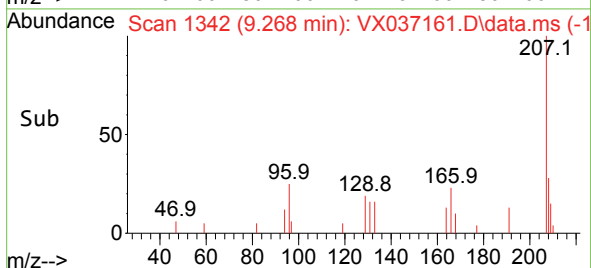
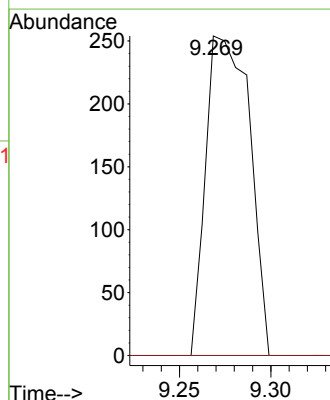
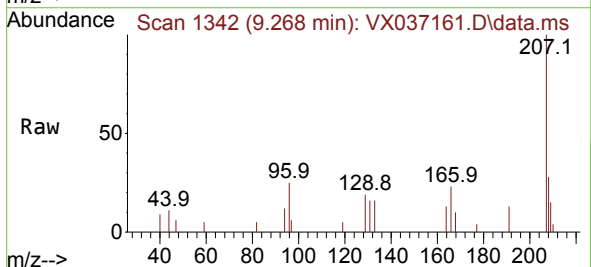
Instrument :
 MSVOA_X
 ClientSampleId :

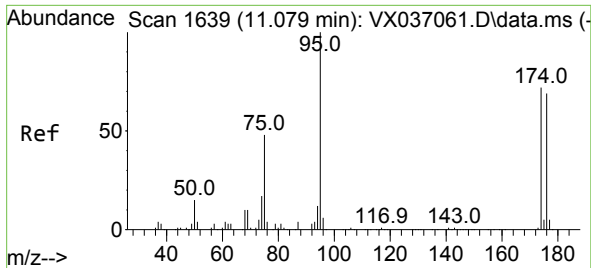
Tgt Ion: 43 Resp: 462
 Ion Ratio Lower Upper
 43 100
 58 203.0 30.4 45.6#



#60
 Dibromochloromethane
 Concen: 0.548 ug/l
 RT: 9.268 min Scan# 1342
 Delta R.T. -0.250 min
 Lab File: VX037161.D
 Acq: 22 Aug 2023 18:57

Tgt Ion: 129 Resp: 424
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.8 116.4#

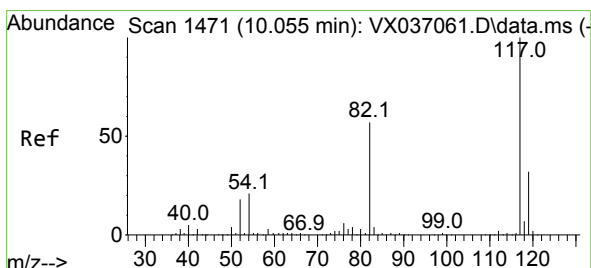
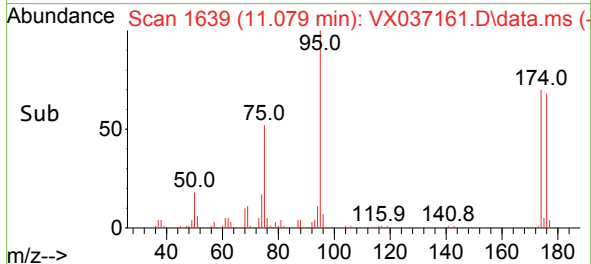
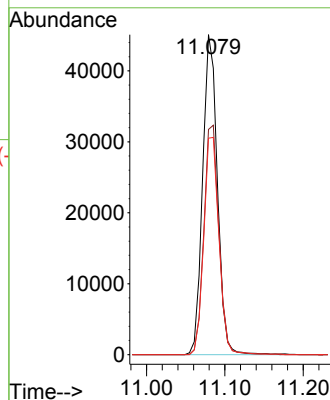
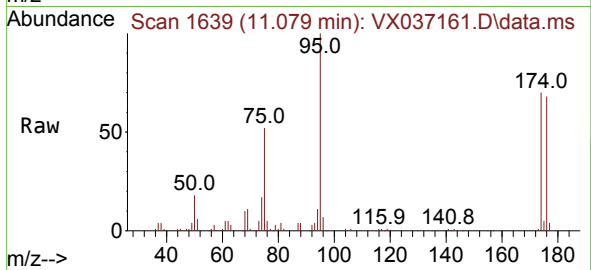




#62
4-Bromofluorobenzene
Concen: 62.418 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037161.D
Acq: 22 Aug 2023 18:57

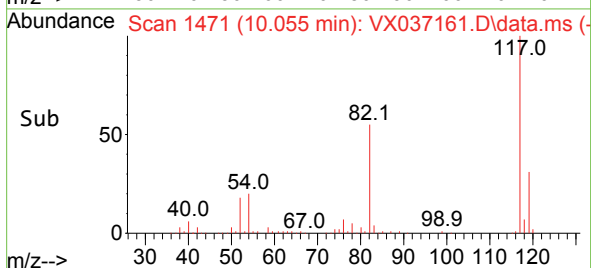
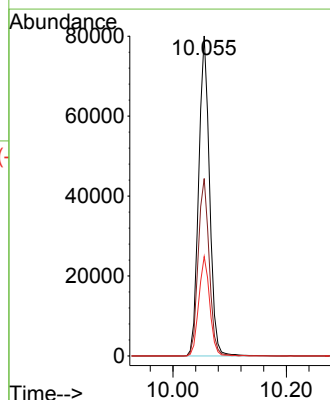
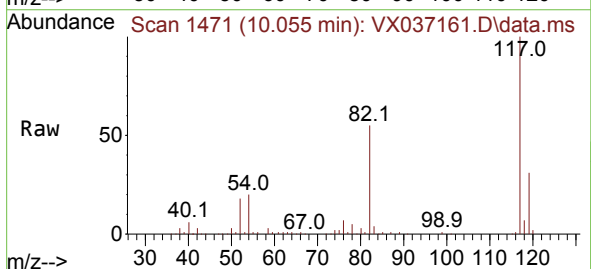
Instrument :
MSVOA_X
ClientSampleId :

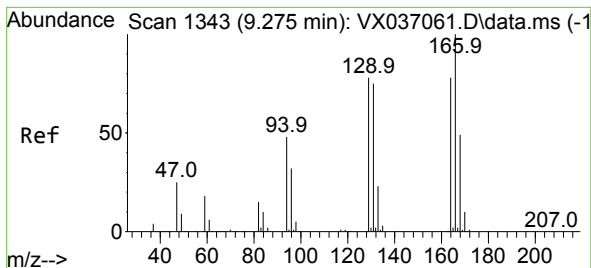
Tgt Ion: 95 Resp: 58980
Ion Ratio Lower Upper
95 100
174 72.9 0.0 135.6
176 69.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037161.D
Acq: 22 Aug 2023 18:57

Tgt Ion: 117 Resp: 106134
Ion Ratio Lower Upper
117 100
82 55.5 46.2 69.4
119 31.1 25.5 38.3





#64

Tetrachloroethene

Concen: 0.536 ug/l

RT: 9.275 min Scan# 1

Delta R.T. -0.000 min

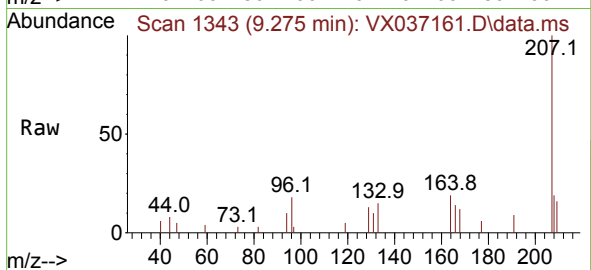
Lab File: VX037161.D

Acq: 22 Aug 2023 18:57

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:164 Resp: 415

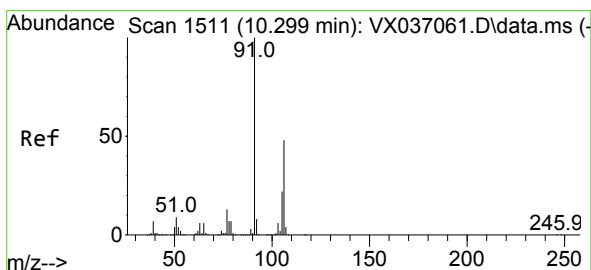
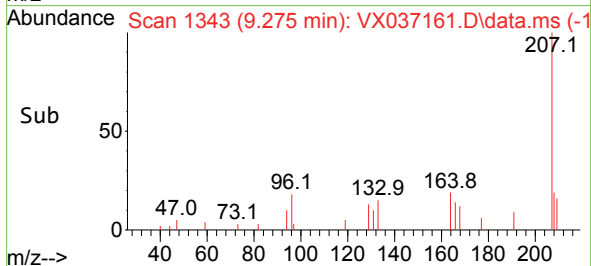
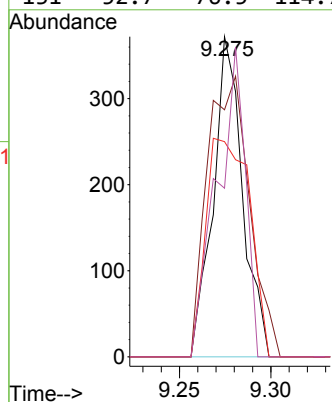
Ion Ratio Lower Upper

164 100

166 77.2 102.7 154.1#

129 67.2 80.4 120.6#

131 52.7 76.5 114.7#



#68

m/p-Xylenes

Concen: 0.267 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX037161.D

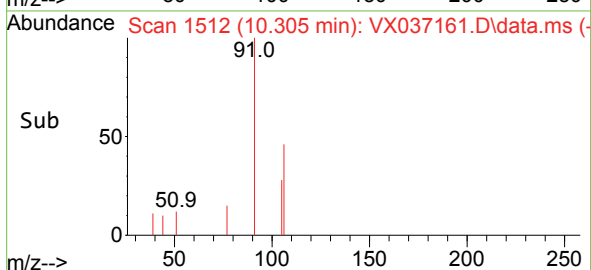
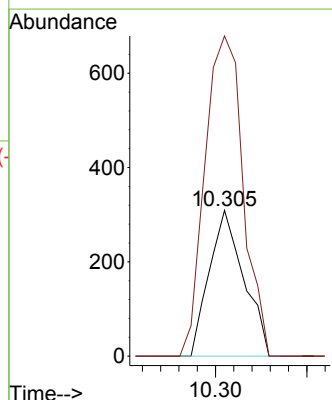
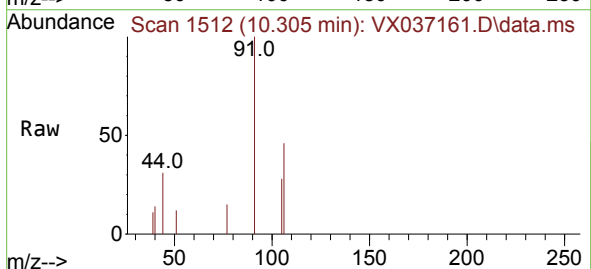
Acq: 22 Aug 2023 18:57

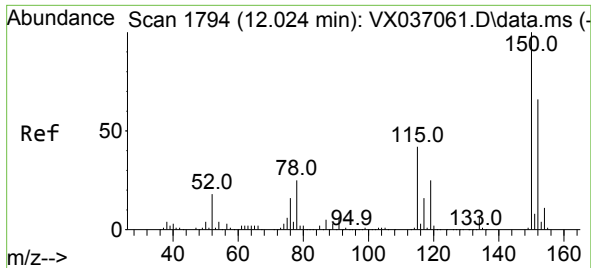
Tgt Ion:106 Resp: 407

Ion Ratio Lower Upper

106 100

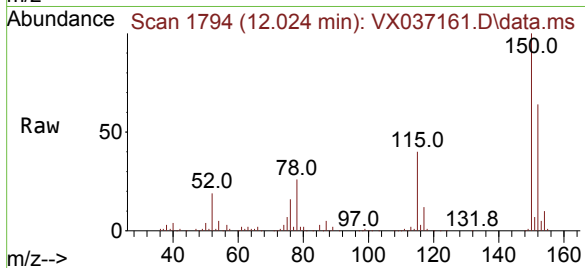
91 242.3 165.5 248.3



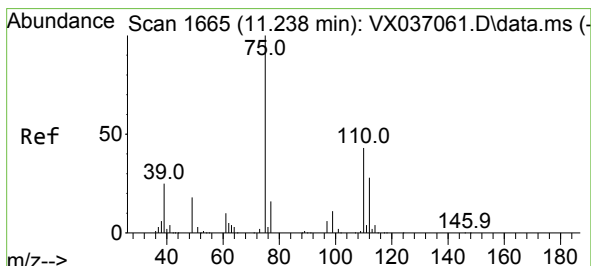
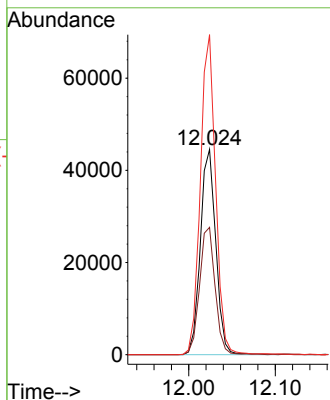
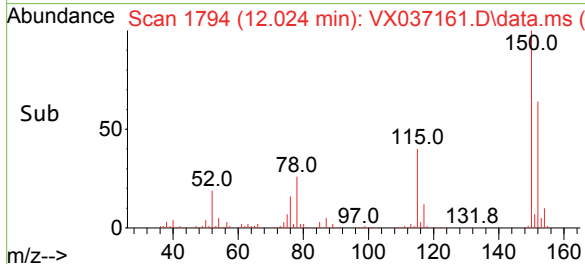


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX037161.D
Acq: 22 Aug 2023 18:57

Instrument :
MSVOA_X
ClientSampleId :

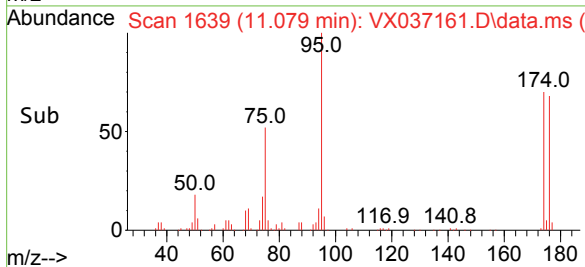
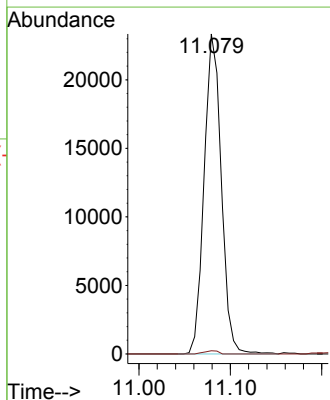
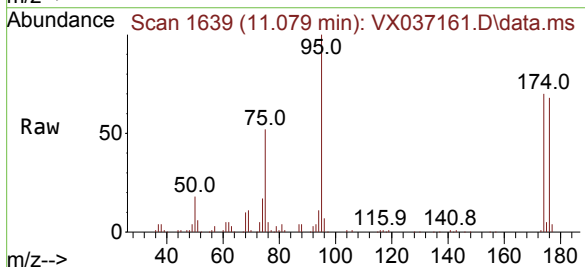


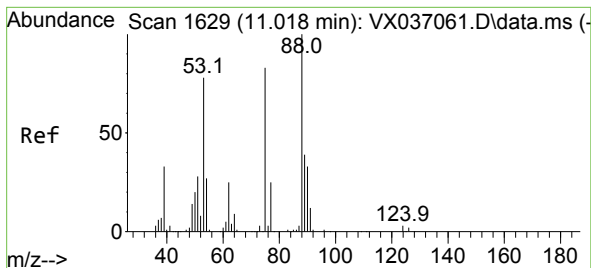
Tgt Ion:152 Resp: 55192
Ion Ratio Lower Upper
152 100
115 62.7 43.3 129.9
150 153.5 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 25.823 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037161.D
Acq: 22 Aug 2023 18:57

Tgt Ion: 75 Resp: 30353
Ion Ratio Lower Upper
75 100
77 0.8 19.1 57.5#

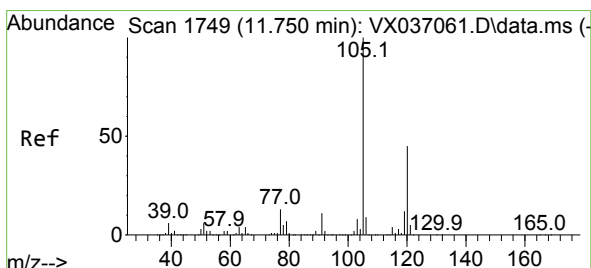
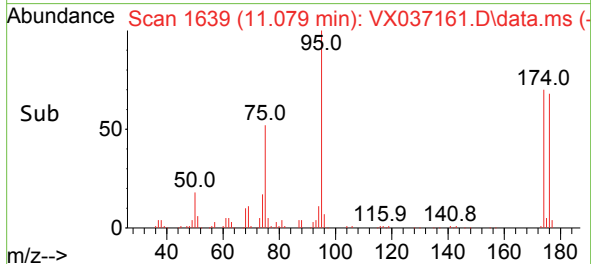
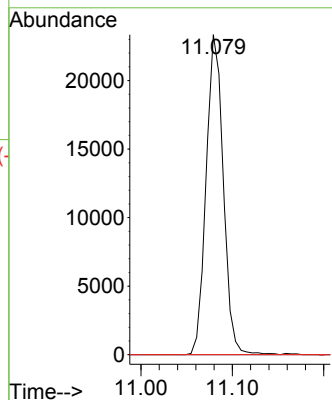
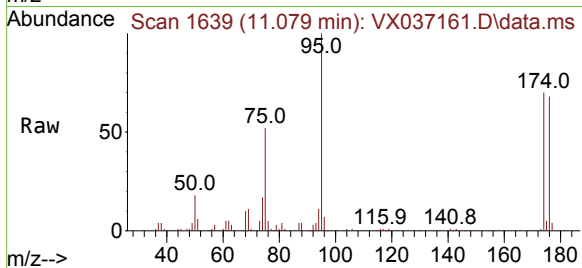




#81
trans-1,4-Dichloro-2-butene
Concen: 72.126 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037161.D
Acq: 22 Aug 2023 18:57

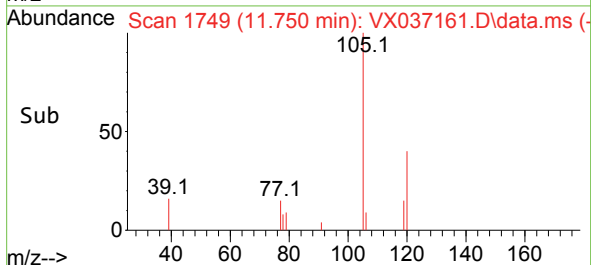
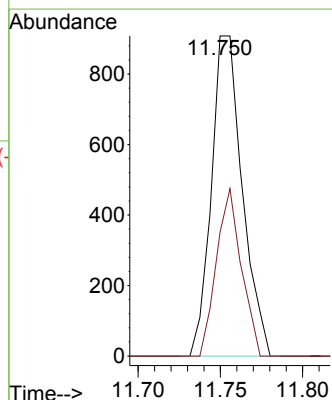
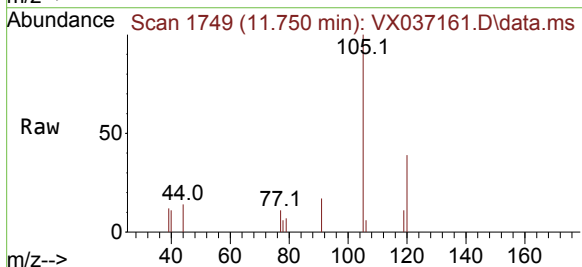
Instrument :
MSVOA_X
ClientSampleId :

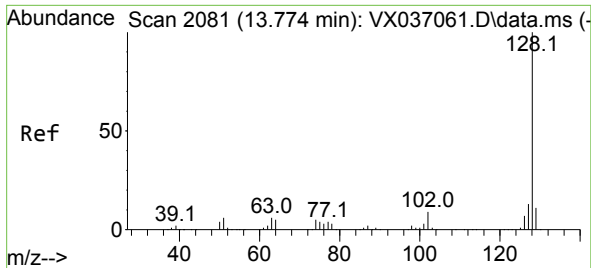
Tgt Ion: 75 Resp: 30353
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.351 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX037161.D
Acq: 22 Aug 2023 18:57

Tgt Ion: 105 Resp: 1187
Ion Ratio Lower Upper
105 100
120 42.0 21.2 63.6





#95

Naphthalene

Concen: 1.806 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

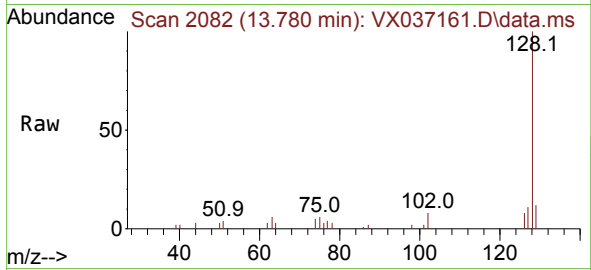
Lab File: VX037161.D

Acq: 22 Aug 2023 18:57

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 8314

Ion Ratio Lower Upper

128 100

127 10.9 10.3 15.5

129 11.3 8.8 13.2

