

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082523\
 Data File : VX037259.D
 Acq On : 25 Aug 2023 09:24
 Operator : JC/MD
 Sample : VX0825MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0825MBL01

Quant Time: Aug 26 02:16:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

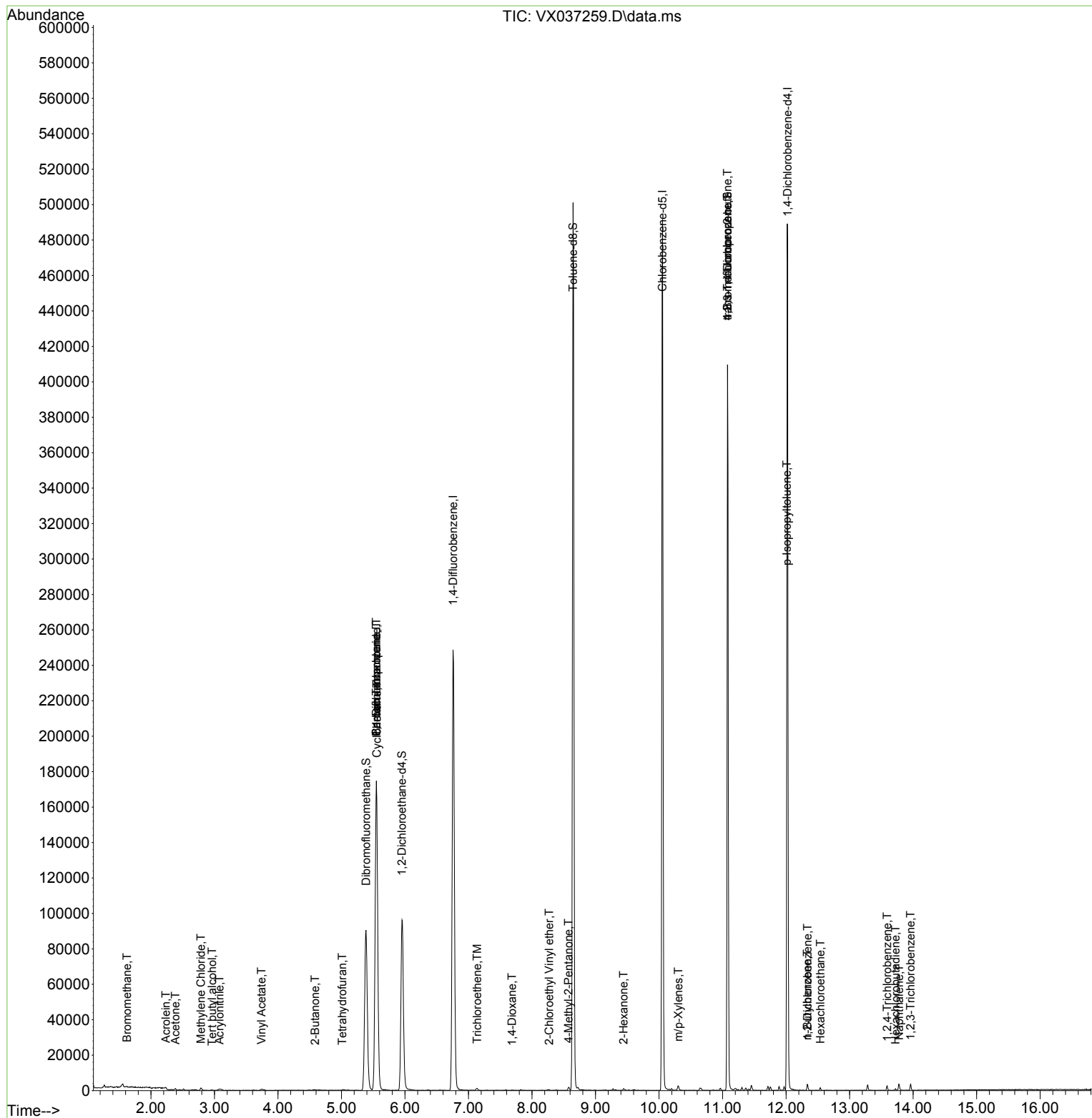
Internal Standards						
1) Pentafluorobenzene	5.550	168	162355	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	262072	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230488	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	98344	42.016	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	84.040%		
35) Dibromofluoromethane	5.385	113	80616	46.447	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.900%		
50) Toluene-d8	8.647	98	305858	48.581	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.160%		
62) 4-Bromofluorobenzene	11.079	95	112292	45.386	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.780%		
Target Compounds					Qvalue	
5) Bromomethane	1.624	94	188	0.210	ug/l #	57
11) Tert butyl alcohol	2.965	59	342	0.623	ug/l #	78
13) Acrolein	2.233	56	313	0.749	ug/l	94
15) Acrylonitrile	3.081	53	593	0.605	ug/l #	82
16) Acetone	2.386	43	823	0.899	ug/l	93
20) Methylene Chloride	2.788	84	652	0.318	ug/l #	86
23) Vinyl Acetate	3.739	43	1214	0.298	ug/l #	73
25) 2-Butanone	4.586	43	526	0.382	ug/l #	51
29) Tetrahydrofuran	5.013	42	544	0.619	ug/l #	57
31) Cyclohexane	5.556	56	3181	1.209	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	12603	5.111	ug/l #	52
38) Carbon Tetrachloride	5.550	117	17189	6.417	ug/l #	14
44) Trichloroethene	7.135	130	591	0.295	ug/l	71
49) 1,4-Dioxane	7.683	88	112	2.132	ug/l #	12
51) 4-Methyl-2-Pentanone	8.573	43	1118	0.460	ug/l	93
58) 2-Chloroethyl Vinyl ether	8.269	63	312	0.218	ug/l #	47
59) 2-Hexanone	9.439	43	762	0.412	ug/l	95
68) m/p-Xylenes	10.305	106	737	0.223	ug/l	100
76) 1,2,3-Trichloropropane	11.079	75	56403	25.982	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	56403	72.570	ug/l #	5
86) p-Isopropyltoluene	12.012	119	1190	0.201	ug/l #	65
89) n-Butylbenzene	12.335	91	1028	0.209	ug/l	100
90) Hexachloroethane	12.542	117	233	0.236	ug/l #	58
91) 1,2-Dichlorobenzene	12.341	146	715	0.216	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	760	0.392	ug/l	95
94) Hexachlorobutadiene	13.725	225	231	0.308	ug/l	97
95) Naphthalene	13.780	128	2967	0.349	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	1017	0.527	ug/l	93

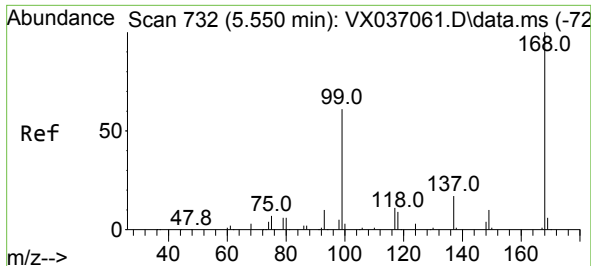
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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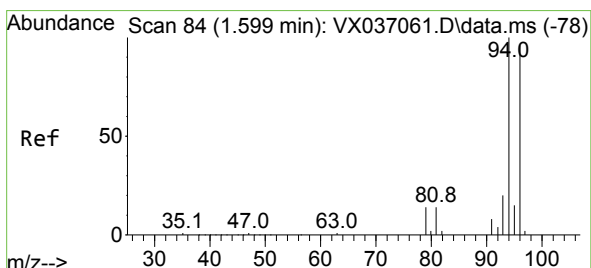
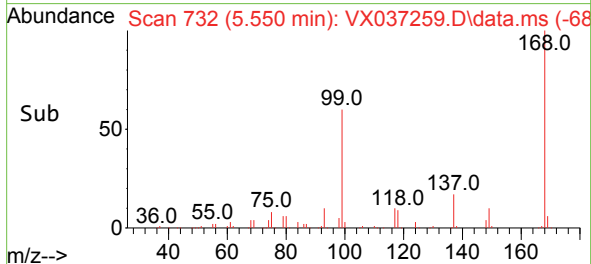
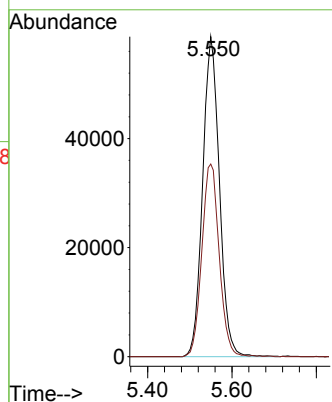
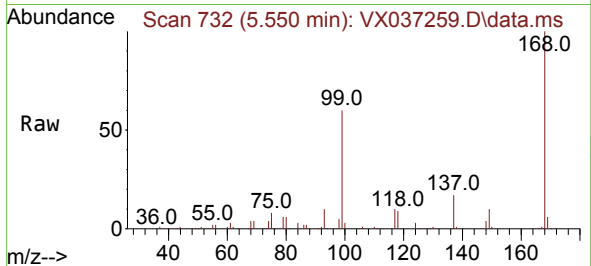




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037259.D
Acq: 25 Aug 2023 09:24

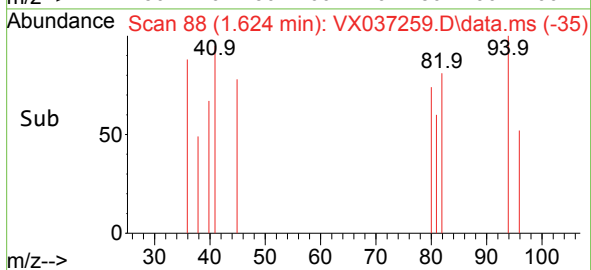
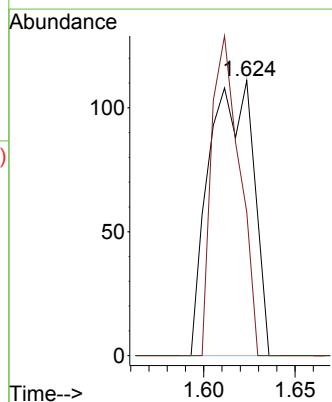
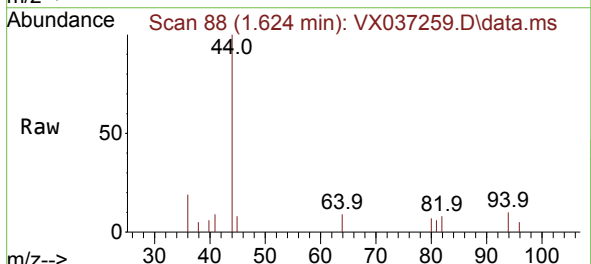
Instrument :
MSVOA_X
ClientSampleId :
VX0825MBL01

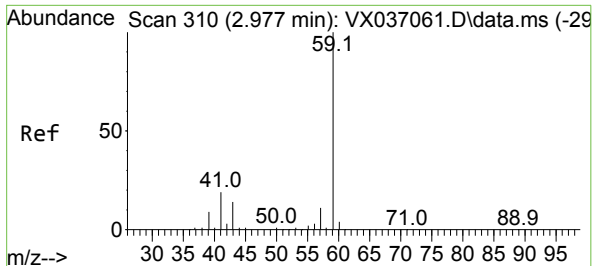
Tgt Ion:168 Resp: 162355
Ion Ratio Lower Upper
168 100
99 60.2 56.6 85.0



#5
Bromomethane
Concen: 0.210 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX037259.D
Acq: 25 Aug 2023 09:24

Tgt Ion: 94 Resp: 188
Ion Ratio Lower Upper
94 100
96 52.3 74.6 111.8#





#11

Tert butyl alcohol

Concen: 0.623 ug/l

RT: 2.965 min Scan# 30

Delta R.T. -0.012 min

Lab File: VX037259.D

Acq: 25 Aug 2023 09:24

Instrument :

MSVOA_X

ClientSampleId :

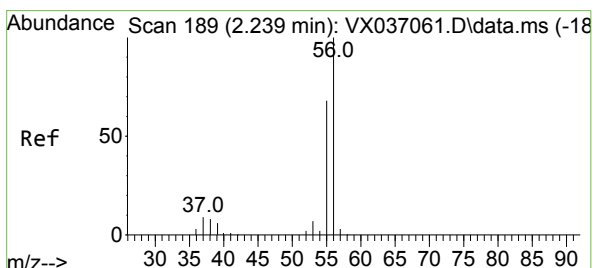
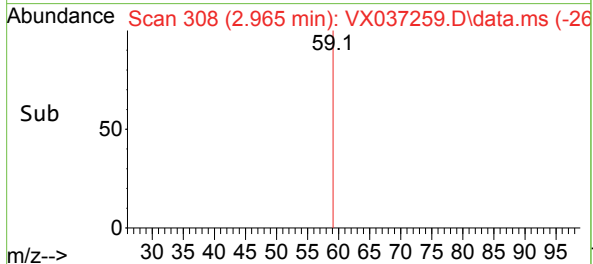
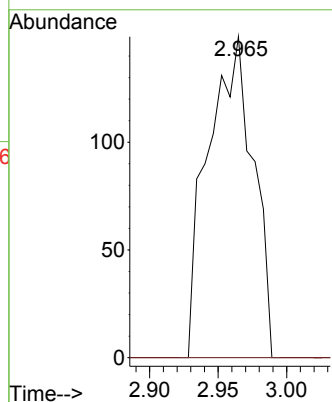
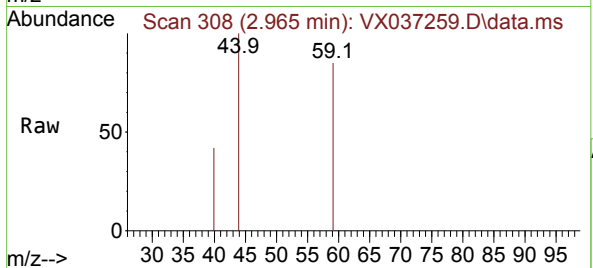
VX0825MBL01

Tgt Ion: 59 Resp: 342

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.749 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX037259.D

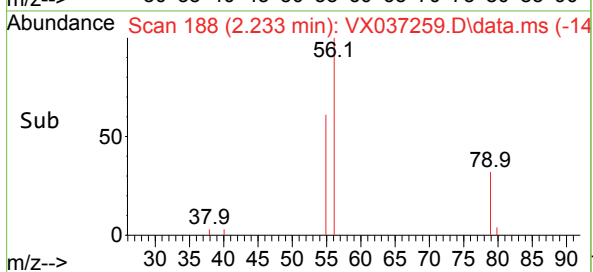
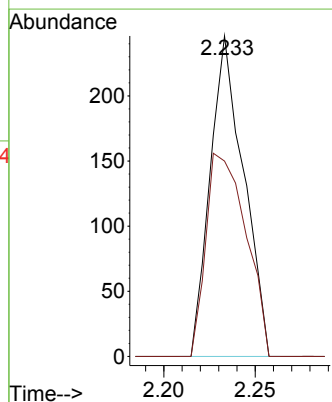
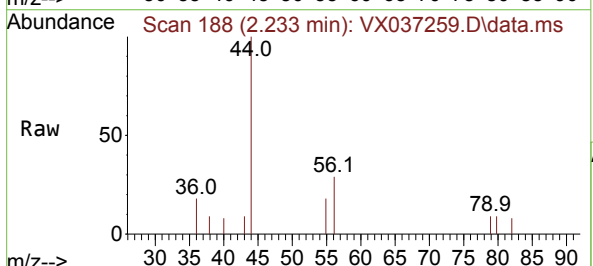
Acq: 25 Aug 2023 09:24

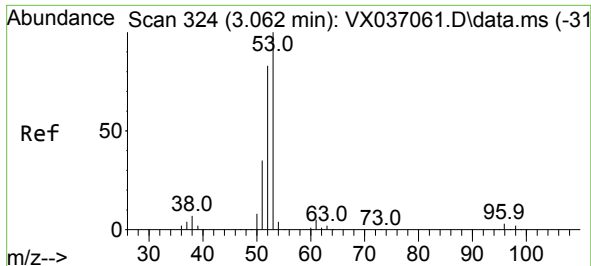
Tgt Ion: 56 Resp: 313

Ion Ratio Lower Upper

56 100

55 76.0 57.1 85.7

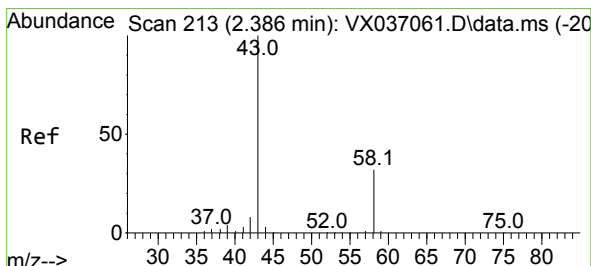
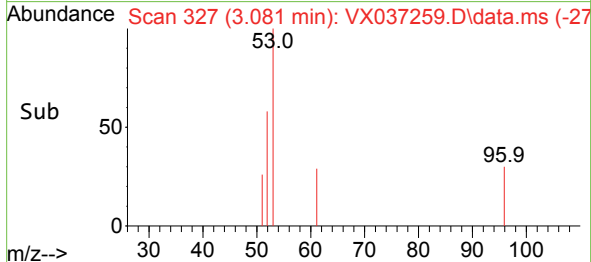
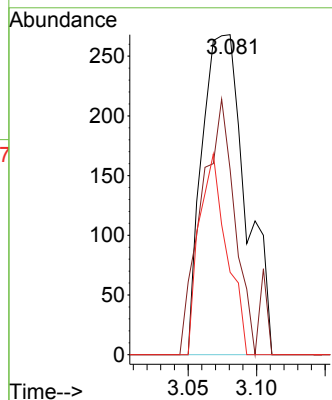
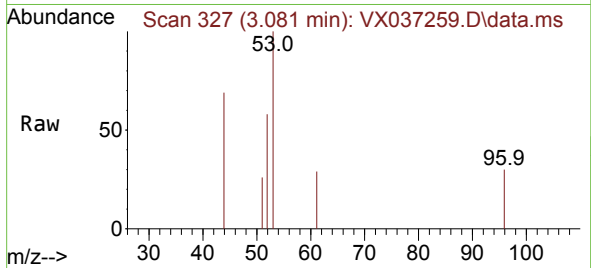




#15
Acrylonitrile
Concen: 0.605 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.018 min
Lab File: VX037259.D
Acq: 25 Aug 2023 09:24

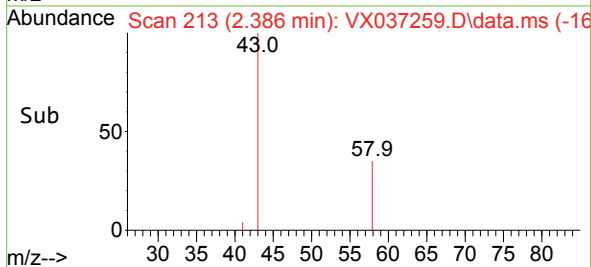
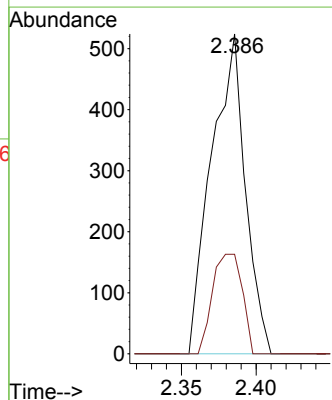
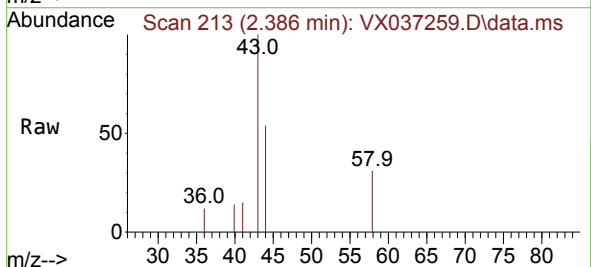
Instrument :
MSVOA_X
ClientSampleId :
VX0825MBL01

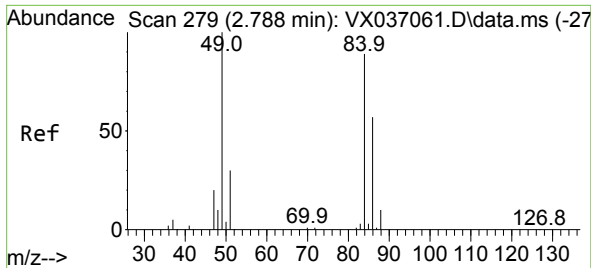
Tgt Ion: 53 Resp: 593
Ion Ratio Lower Upper
53 100
52 60.7 66.0 99.0#
51 39.8 29.8 44.6



#16
Acetone
Concen: 0.899 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX037259.D
Acq: 25 Aug 2023 09:24

Tgt Ion: 43 Resp: 823
Ion Ratio Lower Upper
43 100
58 31.1 21.9 32.9

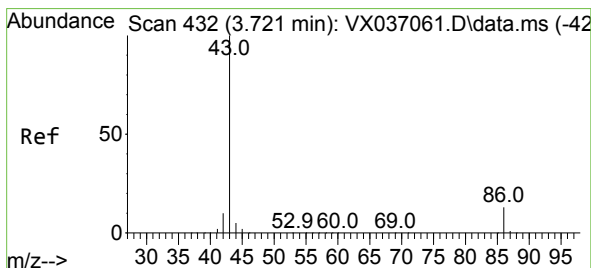
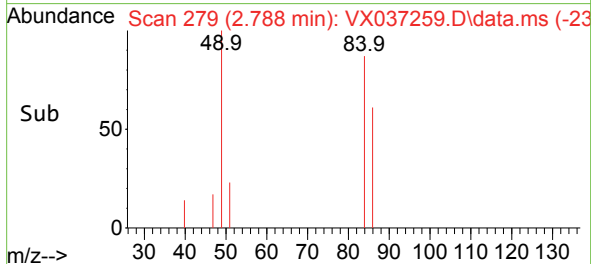
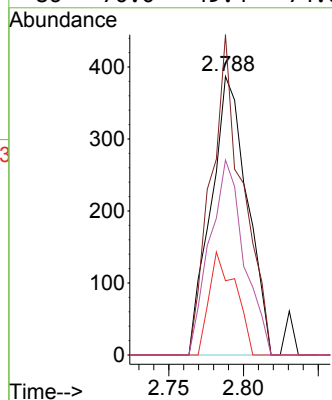
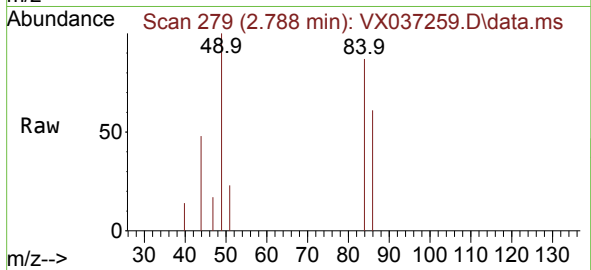




#20
Methylene Chloride
Concen: 0.318 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037259.D
Acq: 25 Aug 2023 09:24

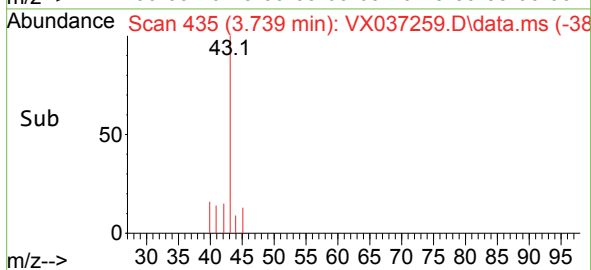
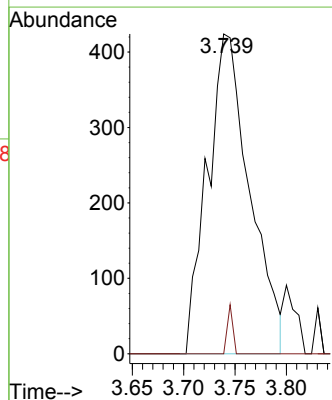
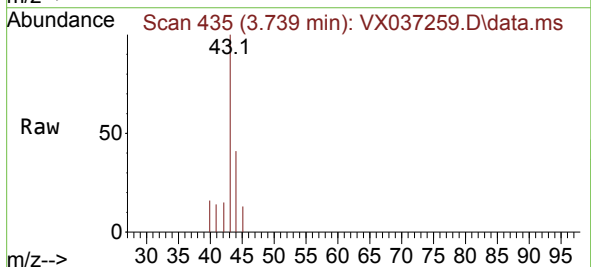
Instrument :
MSVOA_X
ClientSampleId :
VX0825MBL01

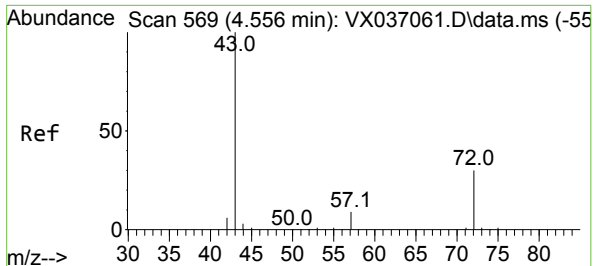
Tgt Ion:	84	Resp:	652
Ion	Ratio	Lower	Upper
84	100		
49	115.0	103.6	155.4
51	26.6	33.8	50.6#
86	70.0	49.4	74.0



#23
Vinyl Acetate
Concen: 0.298 ug/l
RT: 3.739 min Scan# 435
Delta R.T. 0.018 min
Lab File: VX037259.D
Acq: 25 Aug 2023 09:24

Tgt Ion:	43	Resp:	1214
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.8	11.8#





#25

2-Butanone

Concen: 0.382 ug/l

RT: 4.586 min Scan# 51

Delta R.T. 0.030 min

Lab File: VX037259.D

Acq: 25 Aug 2023 09:24

Instrument :

MSVOA_X

ClientSampleId :

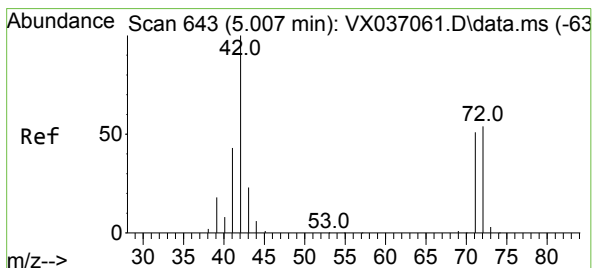
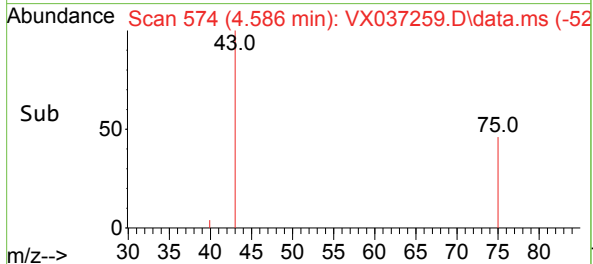
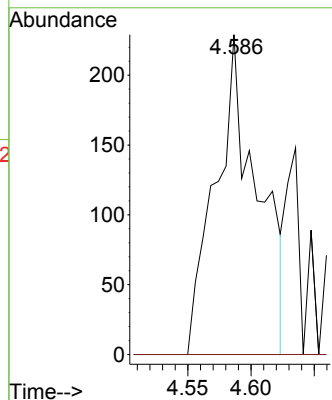
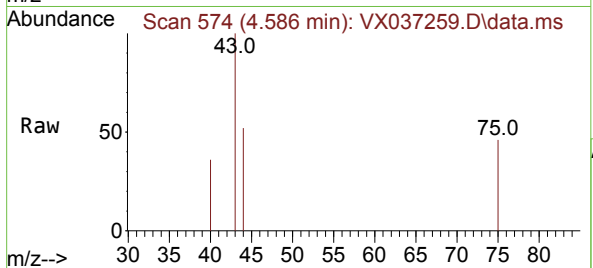
VX0825MBL01

Tgt Ion: 43 Resp: 526

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#



#29

Tetrahydrofuran

Concen: 0.619 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.006 min

Lab File: VX037259.D

Acq: 25 Aug 2023 09:24

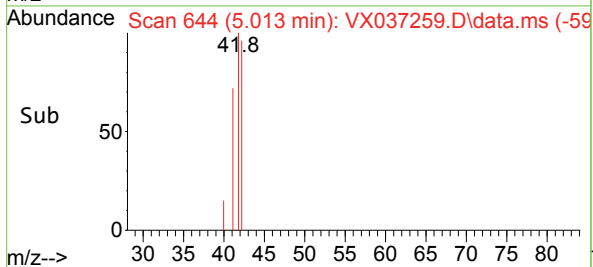
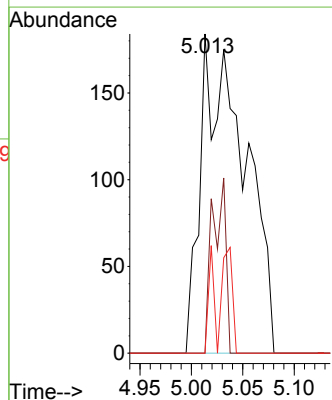
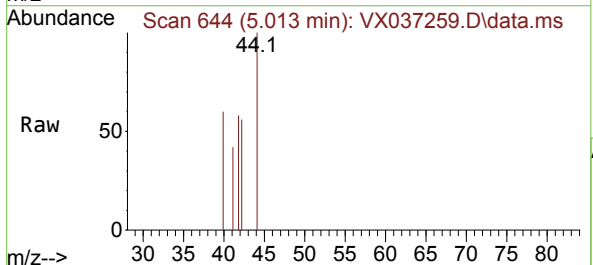
Tgt Ion: 42 Resp: 544

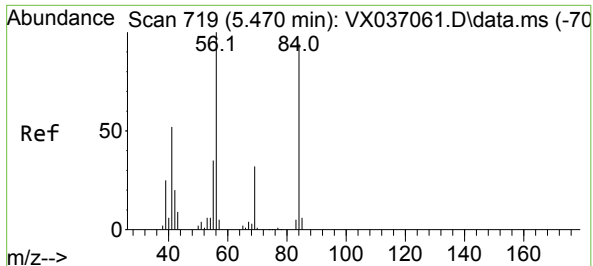
Ion Ratio Lower Upper

42 100

72 16.7 34.2 51.4#

71 11.9 32.2 48.2#

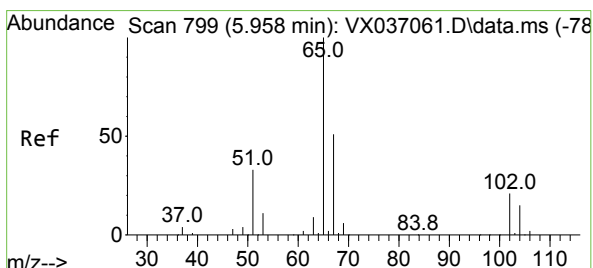
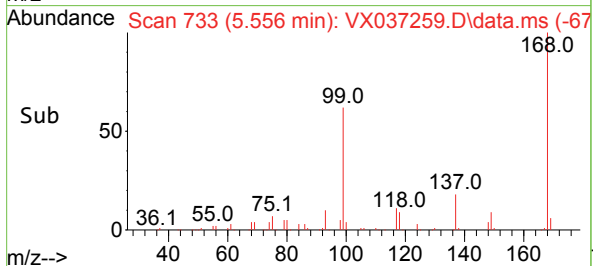
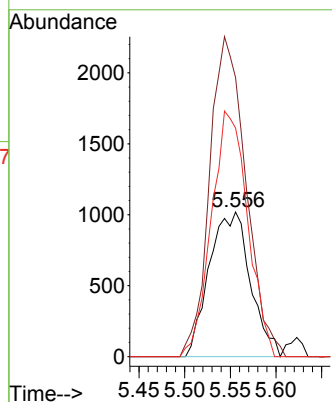
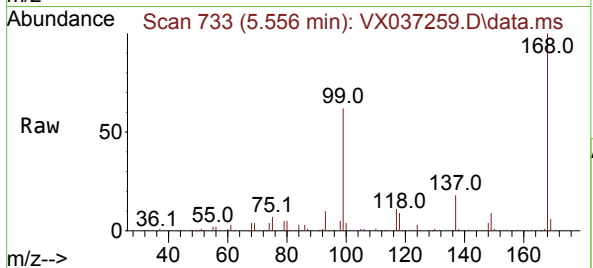




#31
Cyclohexane
Concen: 1.209 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX037259.D
Acq: 25 Aug 2023 09:24

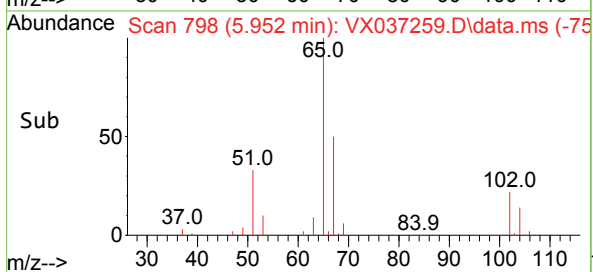
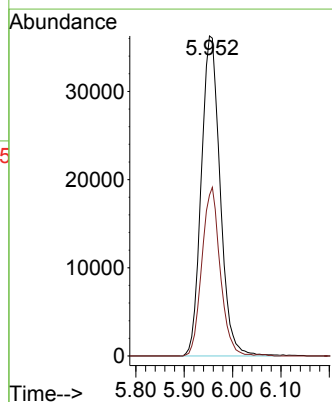
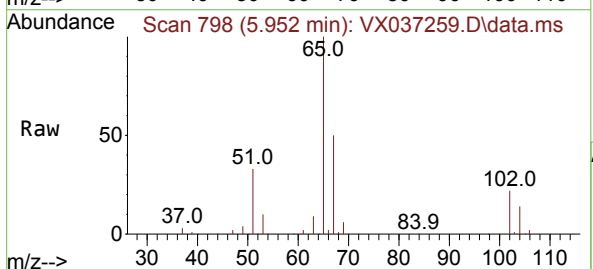
Instrument :
MSVOA_X
ClientSampleId :
VX0825MBL01

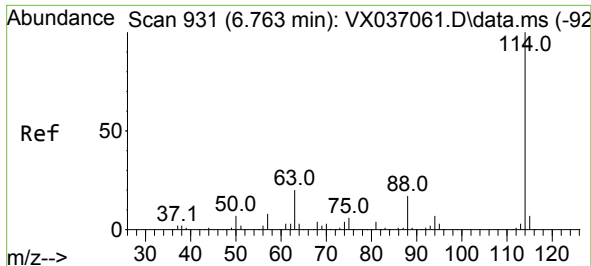
Tgt Ion: 56 Resp: 3181
Ion Ratio Lower Upper
56 100
69 193.0 23.4 35.2#
84 158.1 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 42.016 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037259.D
Acq: 25 Aug 2023 09:24

Tgt Ion: 65 Resp: 98344
Ion Ratio Lower Upper
65 100
67 51.0 0.0 100.2

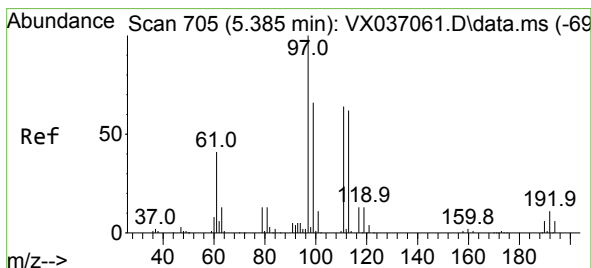
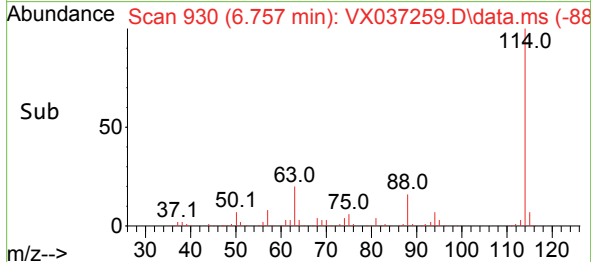
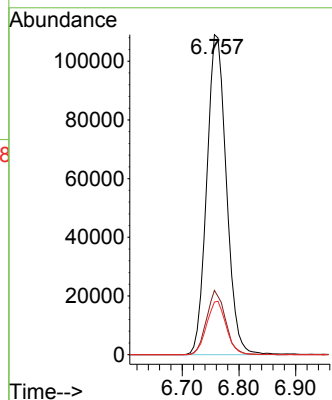
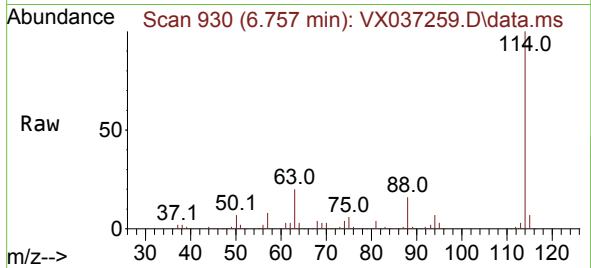




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX037259.D
Acq: 25 Aug 2023 09:24

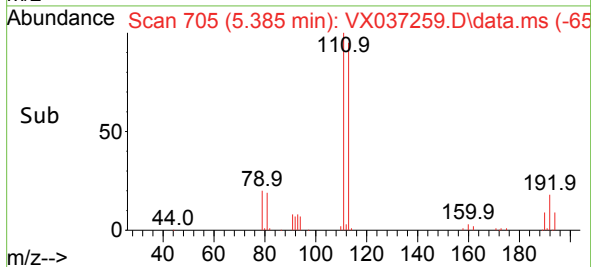
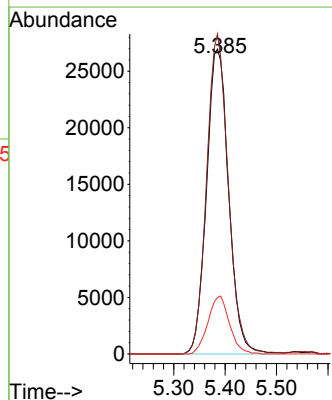
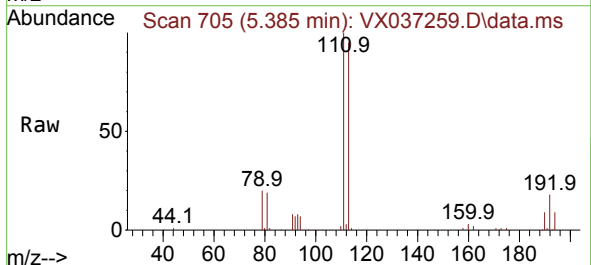
Instrument :
MSVOA_X
ClientSampleId :
VX0825MBL01

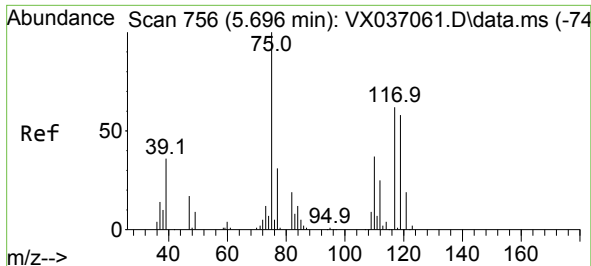
Tgt Ion:114 Resp: 262072
Ion Ratio Lower Upper
114 100
63 20.1 0.0 45.0
88 16.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.447 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037259.D
Acq: 25 Aug 2023 09:24

Tgt Ion:113 Resp: 80616
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 18.5 13.3 19.9

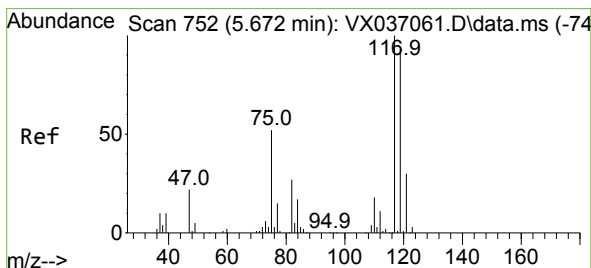
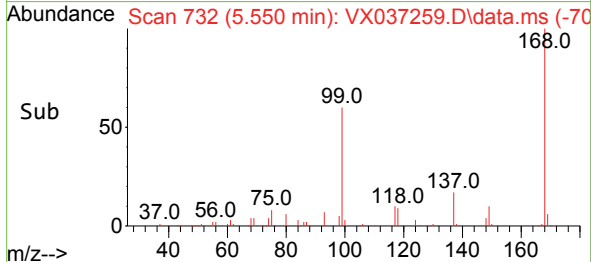
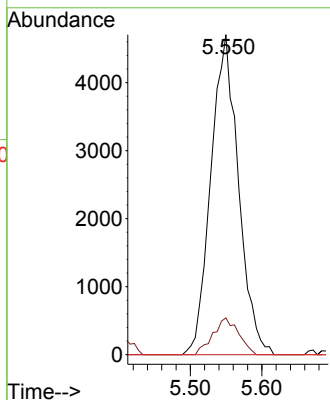
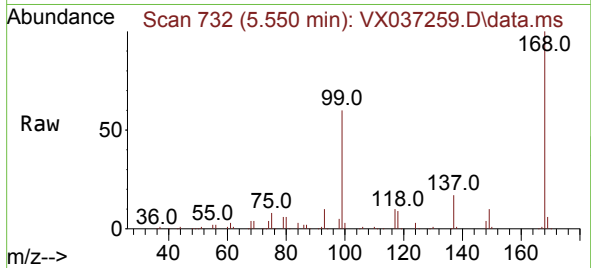




#36
1,1-Dichloropropene
Concen: 5.111 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.146 min
Lab File: VX037259.D
Acq: 25 Aug 2023 09:24

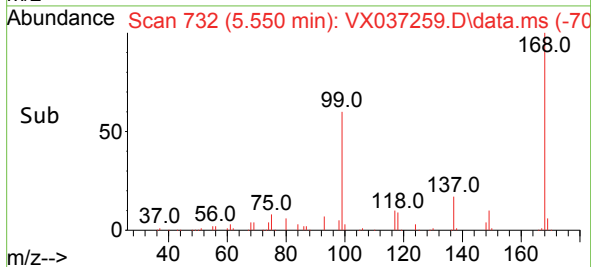
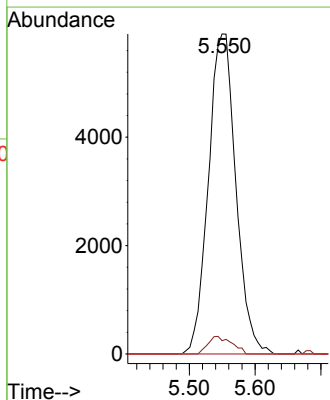
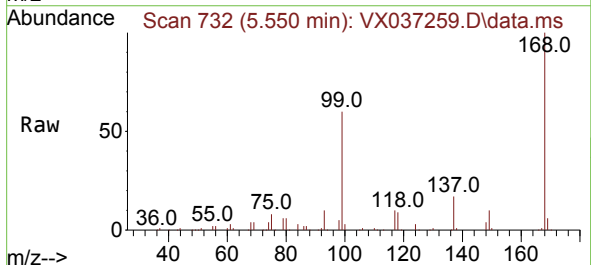
Instrument :
MSVOA_X
ClientSampleId :
VX0825MBL01

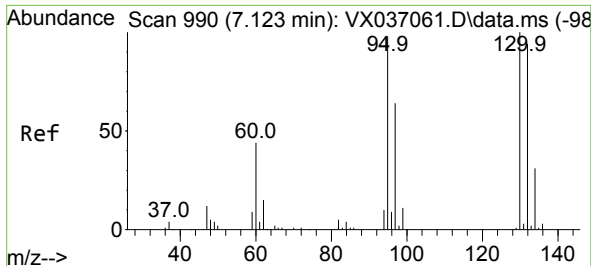
Tgt Ion: 75 Resp: 12603
Ion Ratio Lower Upper
75 100
110 10.7 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.417 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX037259.D
Acq: 25 Aug 2023 09:24

Tgt Ion: 117 Resp: 17189
Ion Ratio Lower Upper
117 100
119 4.1 78.2 117.2#
121 0.0 24.4 36.6#

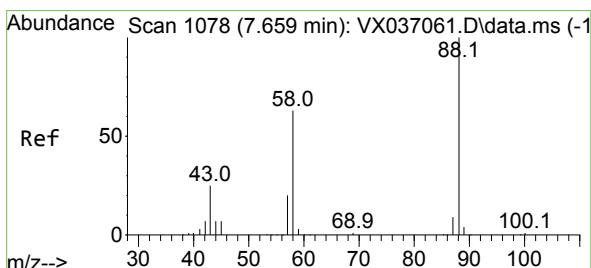
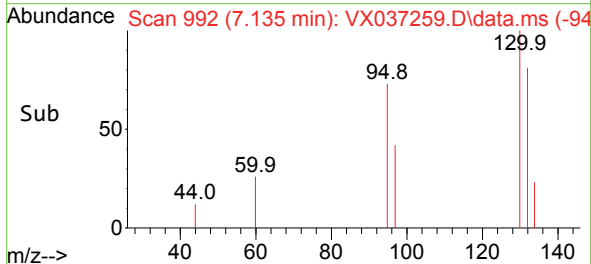
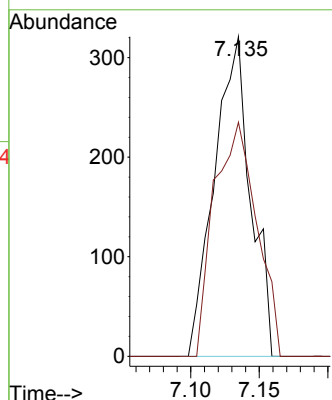
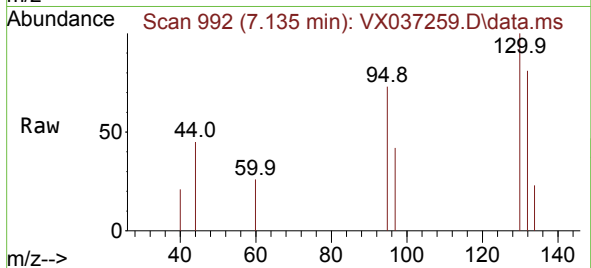




#44
Trichloroethene
Concen: 0.295 ug/l
RT: 7.135 min Scan# 990
Delta R.T. 0.012 min
Lab File: VX037259.D
Acq: 25 Aug 2023 09:24

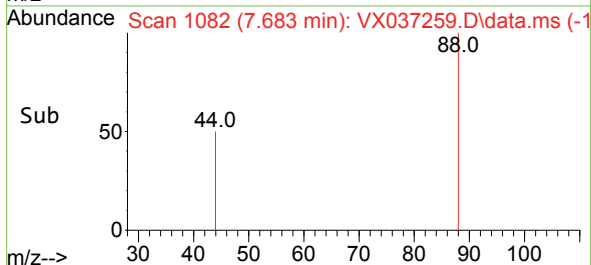
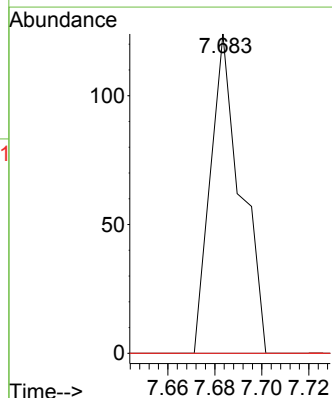
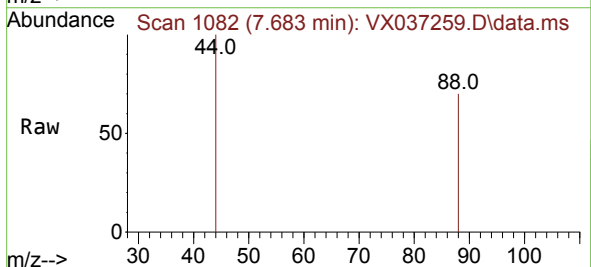
Instrument :
MSVOA_X
ClientSampleId :
VX0825MBL01

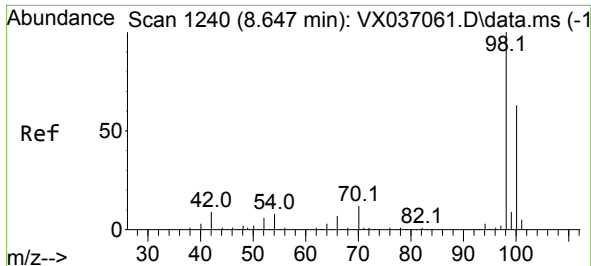
Tgt Ion:130 Resp: 591
Ion Ratio Lower Upper
130 100
95 73.2 0.0 204.4



#49
1,4-Dioxane
Concen: 2.132 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.024 min
Lab File: VX037259.D
Acq: 25 Aug 2023 09:24

Tgt Ion: 88 Resp: 112
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#

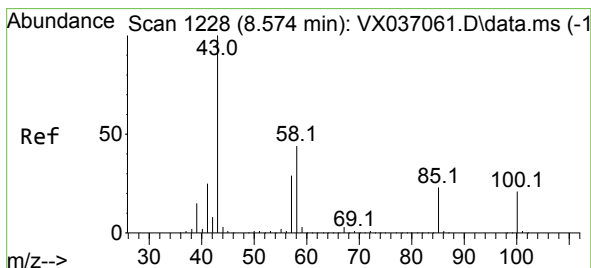
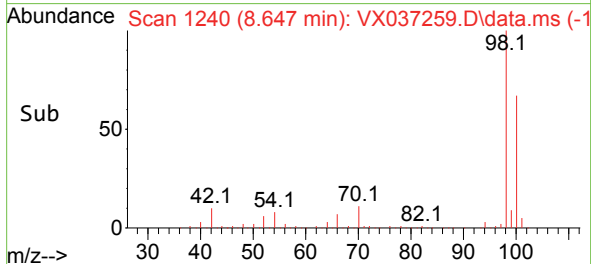
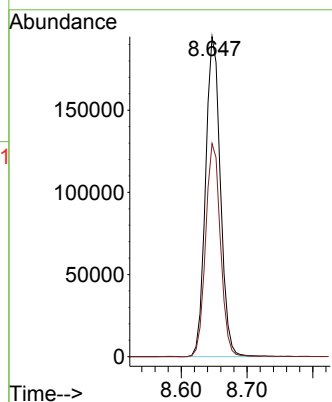
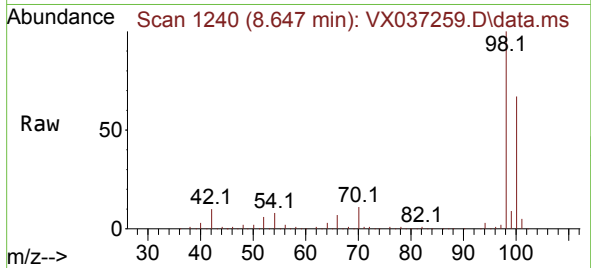




#50
Toluene-d8
Concen: 48.581 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037259.D
Acq: 25 Aug 2023 09:24

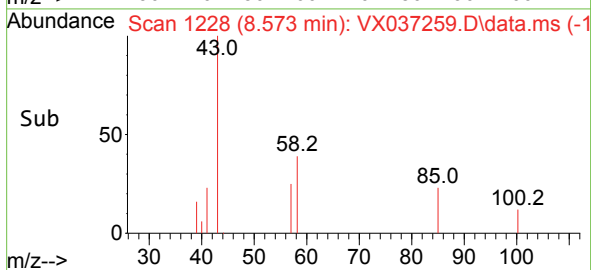
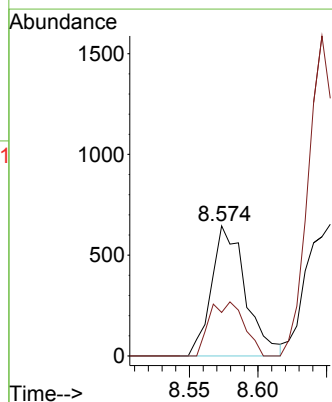
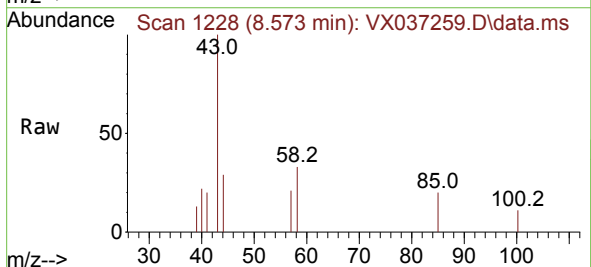
Instrument :
MSVOA_X
ClientSampleId :
VX0825MBL01

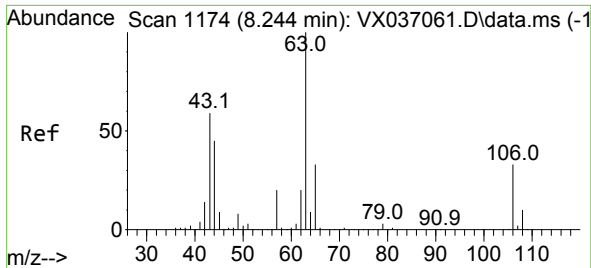
Tgt Ion: 98 Resp: 305858
Ion Ratio Lower Upper
98 100
100 66.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.460 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX037259.D
Acq: 25 Aug 2023 09:24

Tgt Ion: 43 Resp: 1118
Ion Ratio Lower Upper
43 100
58 42.1 30.4 45.6

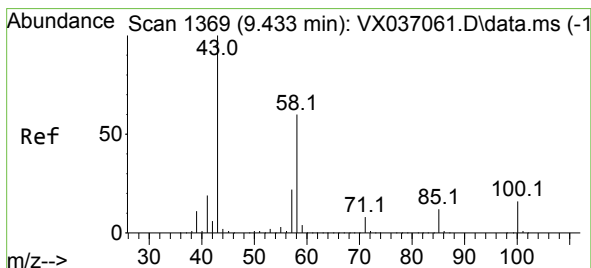
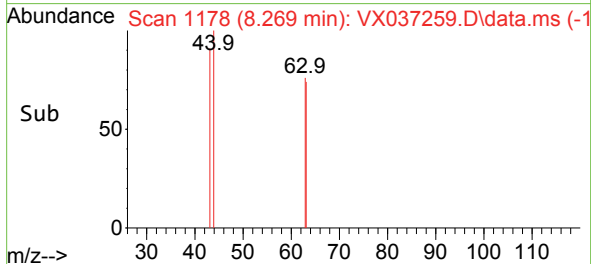
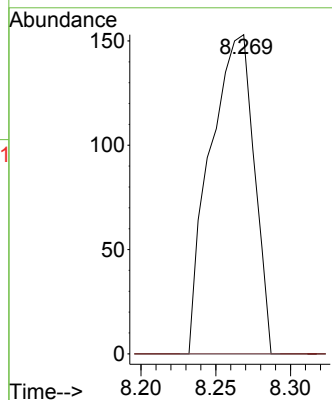
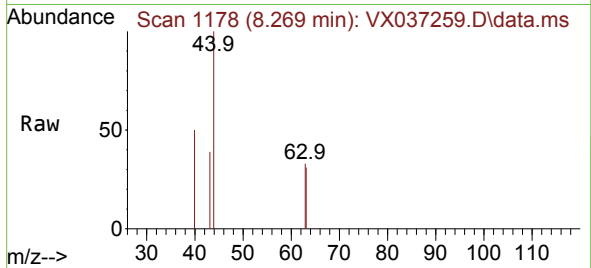




#58
2-Chloroethyl Vinyl ether
Concen: 0.218 ug/l
RT: 8.269 min Scan# 1178
Delta R.T. 0.024 min
Lab File: VX037259.D
Acq: 25 Aug 2023 09:24

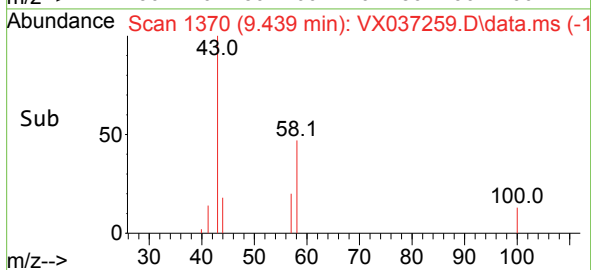
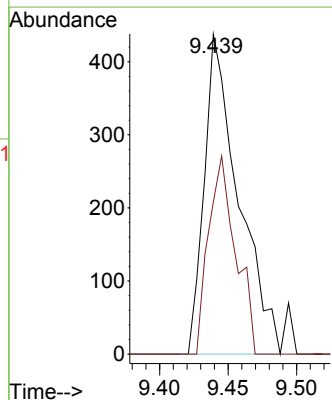
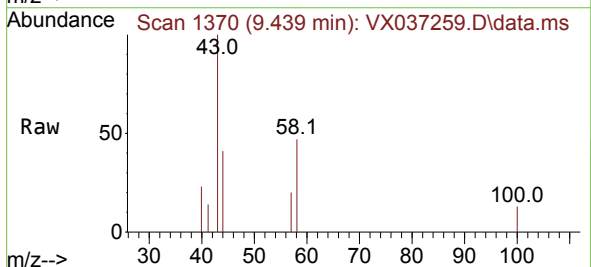
Instrument :
MSVOA_X
ClientSampleId :
VX0825MBL01

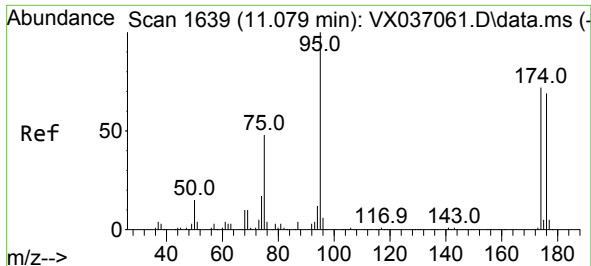
Tgt Ion: 63 Resp: 312
Ion Ratio Lower Upper
63 100
106 0.0 22.5 33.7#



#59
2-Hexanone
Concen: 0.412 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX037259.D
Acq: 25 Aug 2023 09:24

Tgt Ion: 43 Resp: 762
Ion Ratio Lower Upper
43 100
58 49.1 26.2 78.5

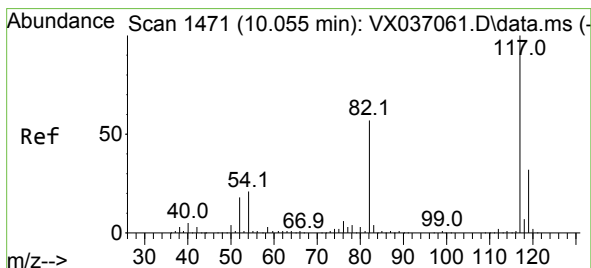
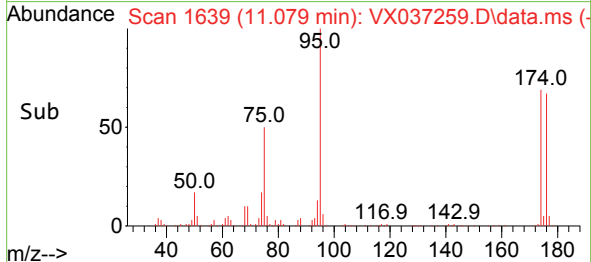
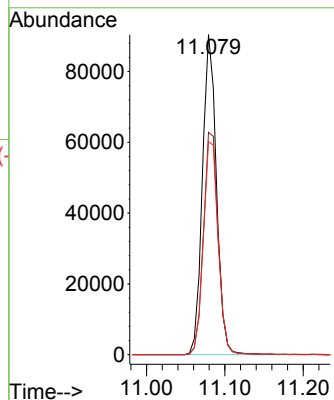
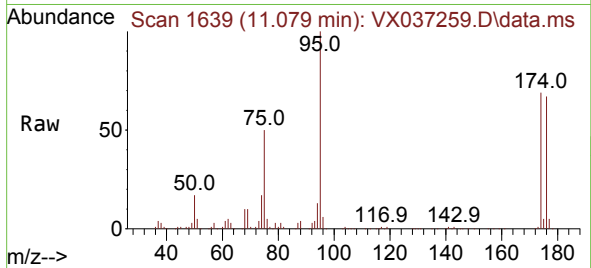




#62
4-Bromofluorobenzene
Concen: 45.386 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX037259.D
Acq: 25 Aug 2023 09:24

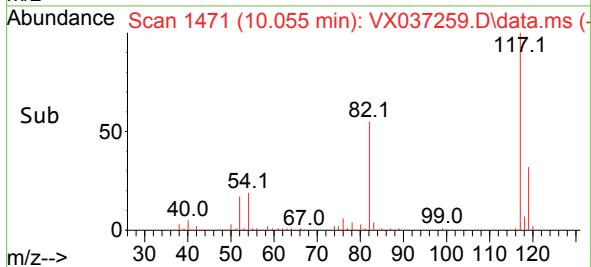
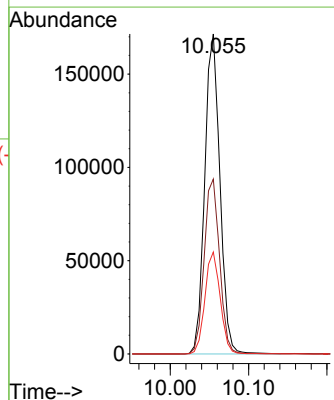
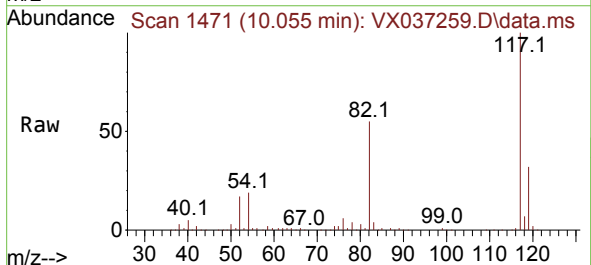
Instrument :
MSVOA_X
ClientSampleId :
VX0825MBL01

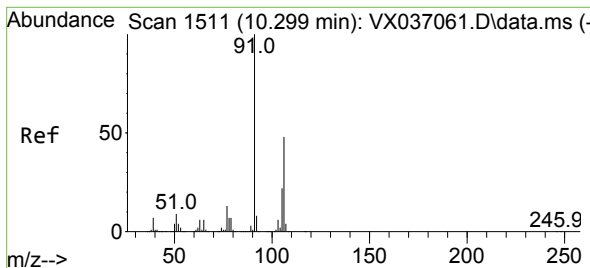
Tgt Ion: 95 Resp: 112292
Ion Ratio Lower Upper
95 100
174 73.3 0.0 135.6
176 70.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037259.D
Acq: 25 Aug 2023 09:24

Tgt Ion: 117 Resp: 230488
Ion Ratio Lower Upper
117 100
82 54.7 46.2 69.4
119 31.9 25.5 38.3

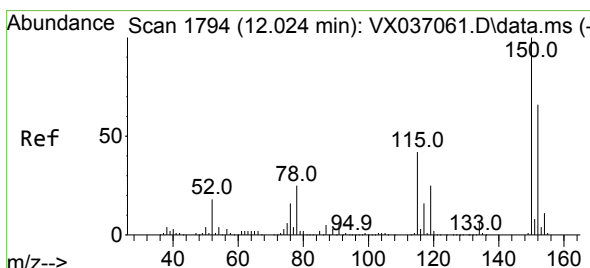
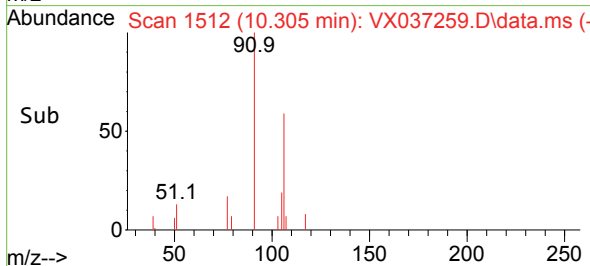
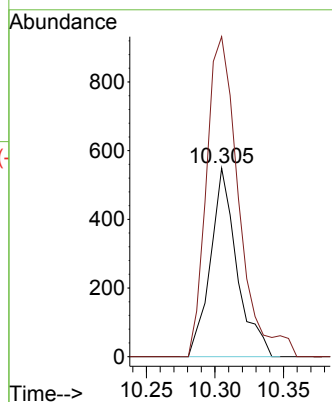
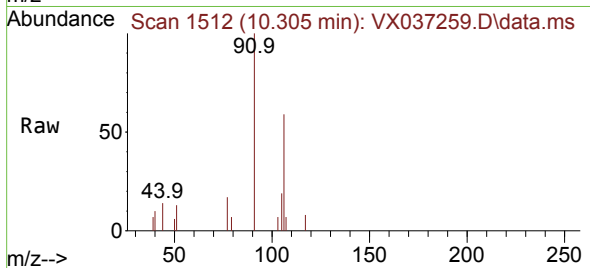




#68
m/p-Xylenes
Concen: 0.223 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037259.D
Acq: 25 Aug 2023 09:24

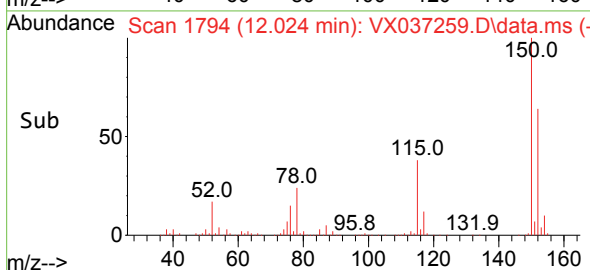
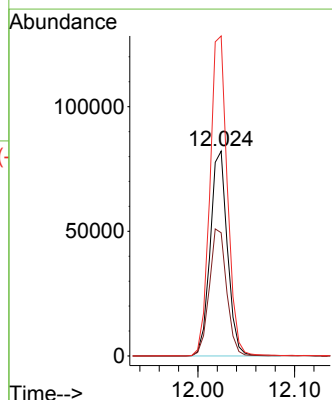
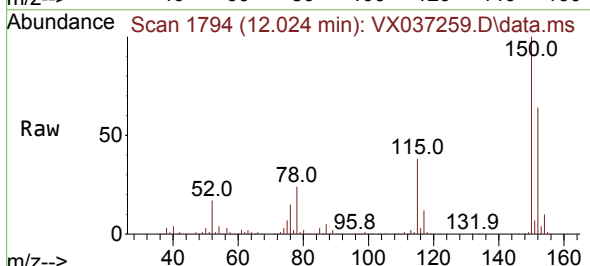
Instrument :
MSVOA_X
ClientSampleId :
VX0825MBL01

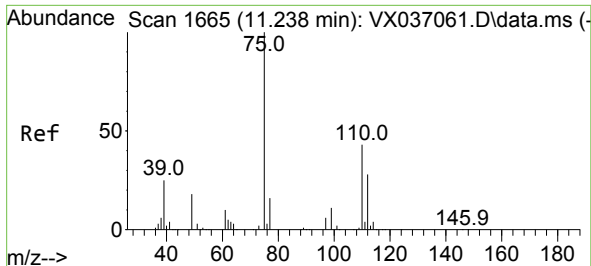
Tgt Ion:106 Resp: 737
Ion Ratio Lower Upper
106 100
91 207.2 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037259.D
Acq: 25 Aug 2023 09:24

Tgt Ion:152 Resp: 101932
Ion Ratio Lower Upper
152 100
115 62.6 43.3 129.9
150 158.5 0.0 345.0

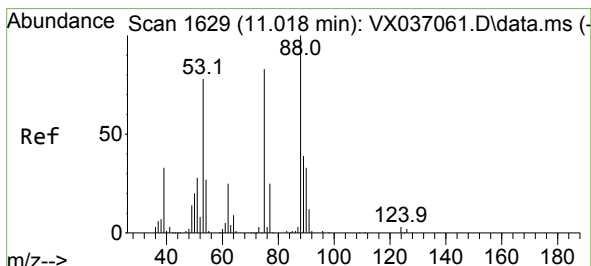
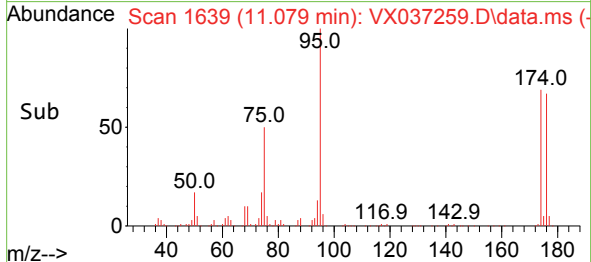
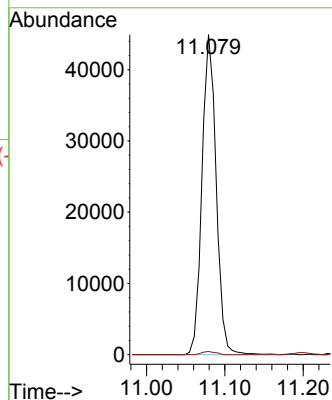
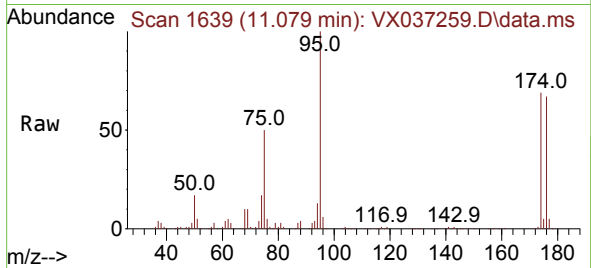




#76
1,2,3-Trichloropropane
Concen: 25.982 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037259.D
Acq: 25 Aug 2023 09:24

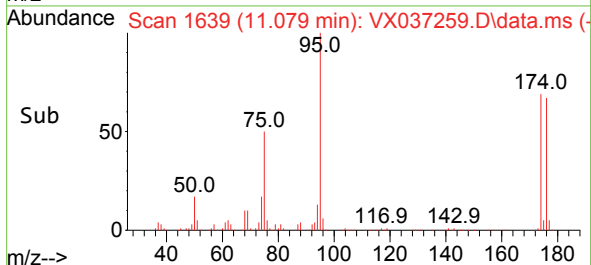
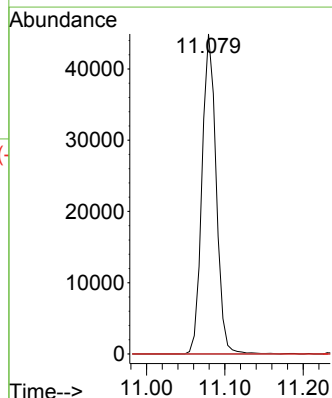
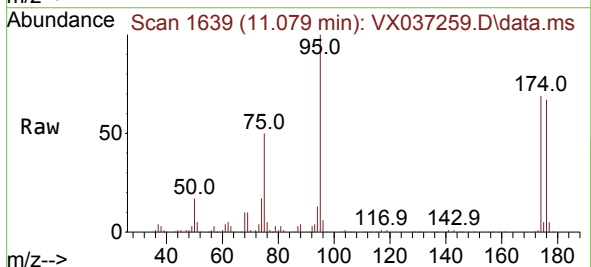
Instrument :
MSVOA_X
ClientSampleId :
VX0825MBL01

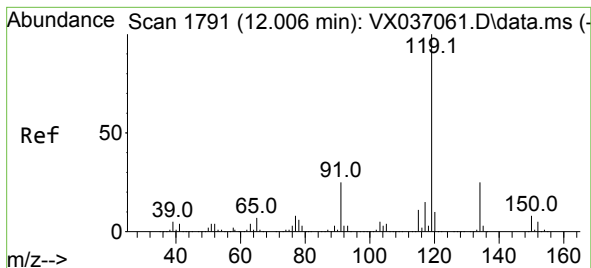
Tgt Ion: 75 Resp: 56403
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.570 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037259.D
Acq: 25 Aug 2023 09:24

Tgt Ion: 75 Resp: 56403
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#86

p-Isopropyltoluene

Concen: 0.201 ug/l

RT: 12.012 min Scan# 1190

Delta R.T. 0.006 min

Lab File: VX037259.D

Acq: 25 Aug 2023 09:24

Instrument :

MSVOA_X

ClientSampleId :

VX0825MBL01

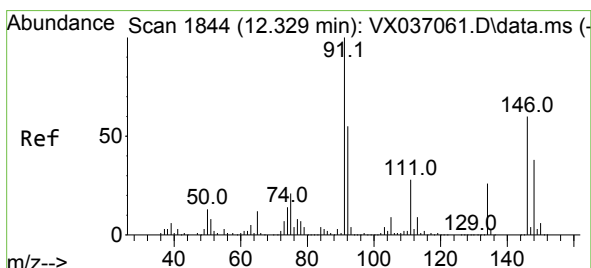
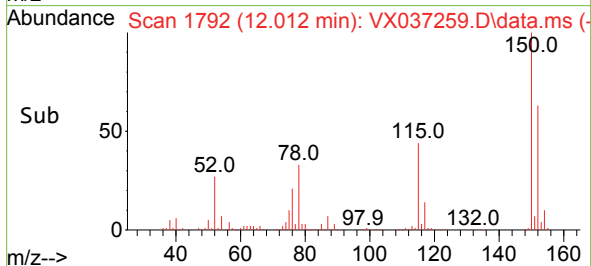
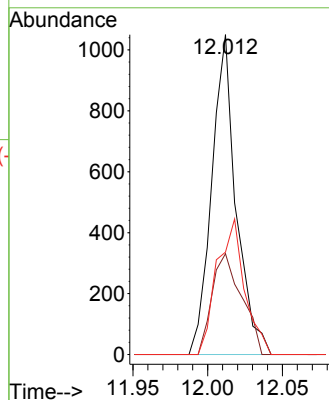
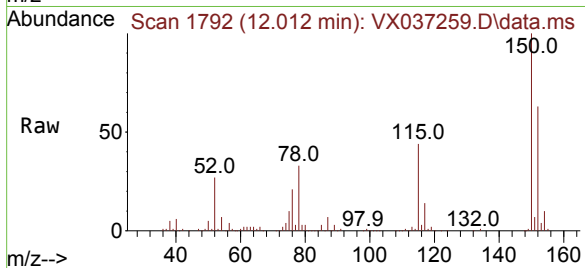
Tgt Ion:119 Resp: 1190

Ion Ratio Lower Upper

119 100

134 38.4 12.8 38.3#

91 48.3 13.1 39.3#



#89

n-Butylbenzene

Concen: 0.209 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX037259.D

Acq: 25 Aug 2023 09:24

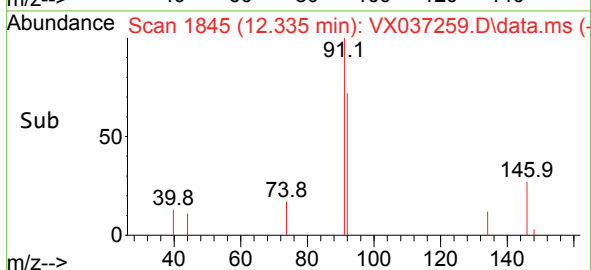
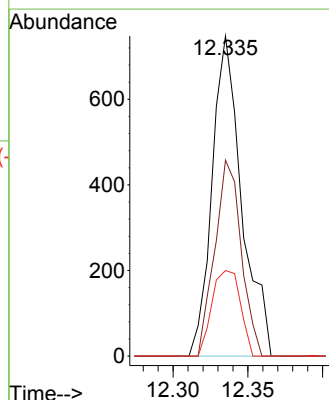
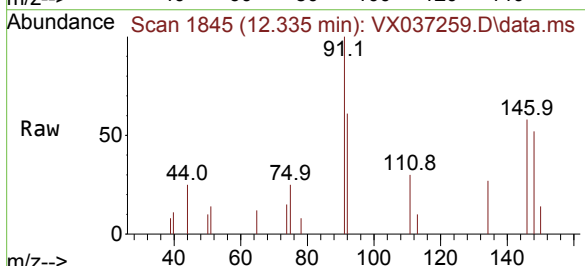
Tgt Ion: 91 Resp: 1028

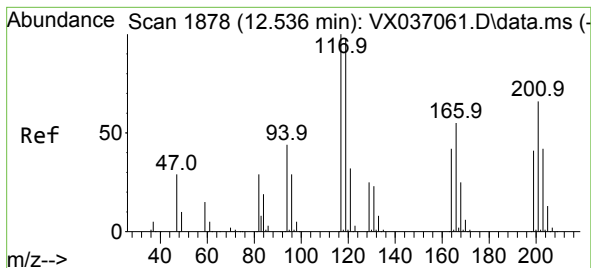
Ion Ratio Lower Upper

91 100

92 54.8 27.4 82.0

134 25.7 12.6 37.8





#90

Hexachloroethane

Concen: 0.236 ug/l

RT: 12.542 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX037259.D

Acq: 25 Aug 2023 09:24

Instrument :

MSVOA_X

ClientSampleId :

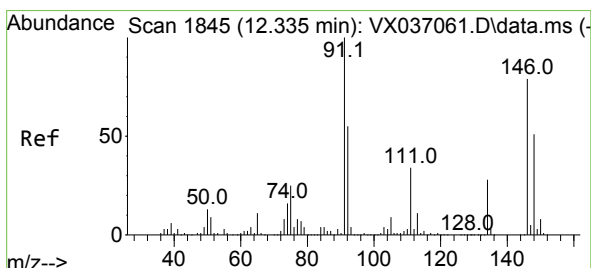
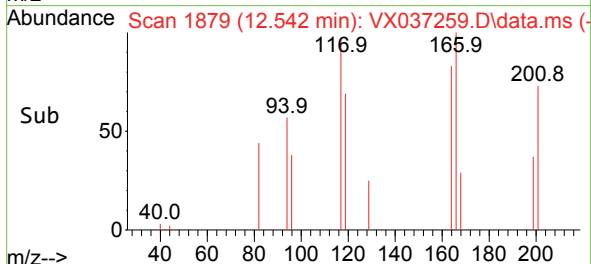
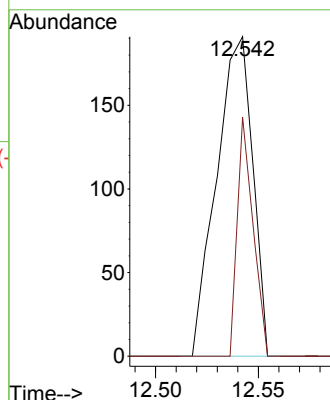
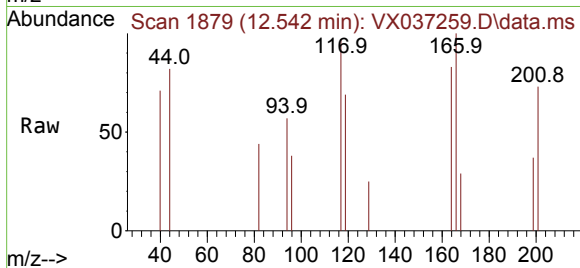
VX0825MBL01

Tgt Ion:117 Resp: 233

Ion Ratio Lower Upper

117 100

201 32.6 32.9 98.6#



#91

1,2-Dichlorobenzene

Concen: 0.216 ug/l

RT: 12.341 min Scan# 1846

Delta R.T. 0.006 min

Lab File: VX037259.D

Acq: 25 Aug 2023 09:24

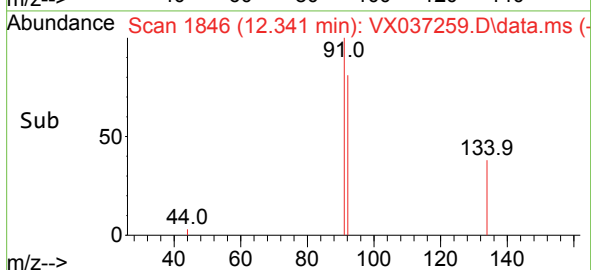
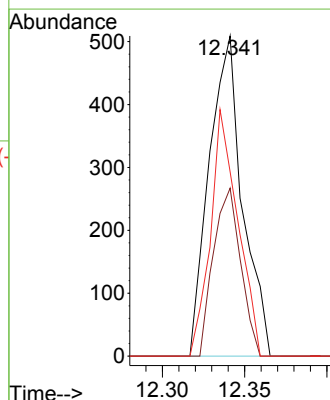
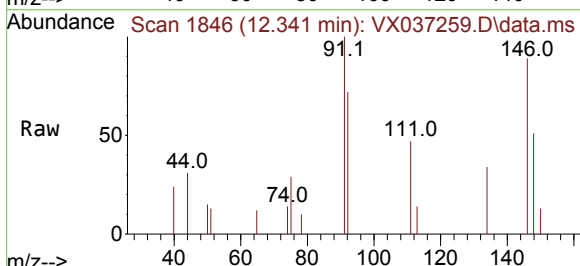
Tgt Ion:146 Resp: 715

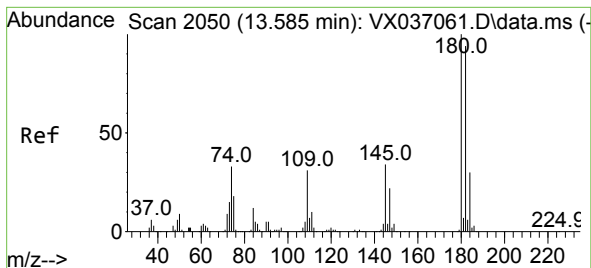
Ion Ratio Lower Upper

146 100

111 42.9 22.4 67.0

148 63.2 31.6 95.0





#93

1,2,4-Trichlorobenzene

Concen: 0.392 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX037259.D

Acq: 25 Aug 2023 09:24

Instrument :

MSVOA_X

ClientSampleId :

VX0825MBL01

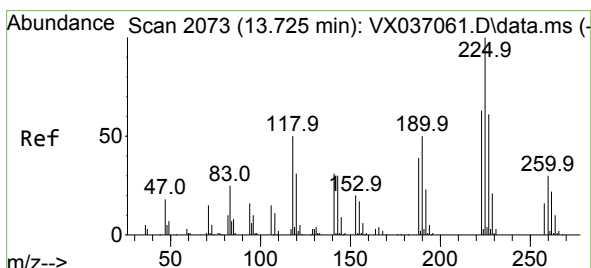
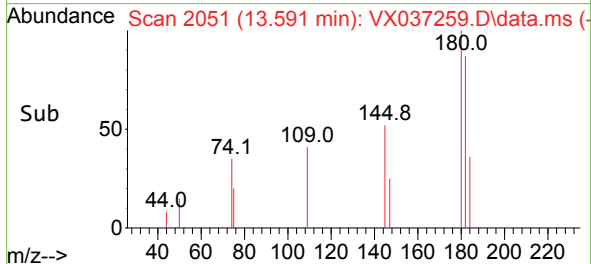
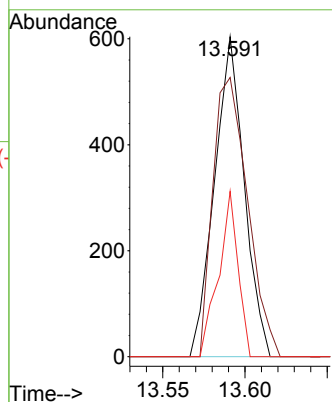
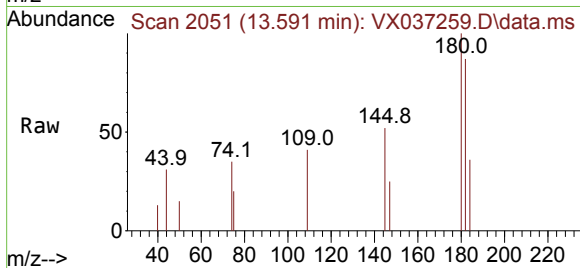
Tgt Ion:180 Resp: 760

Ion Ratio Lower Upper

180 100

182 101.6 48.3 144.8

145 33.7 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.308 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX037259.D

Acq: 25 Aug 2023 09:24

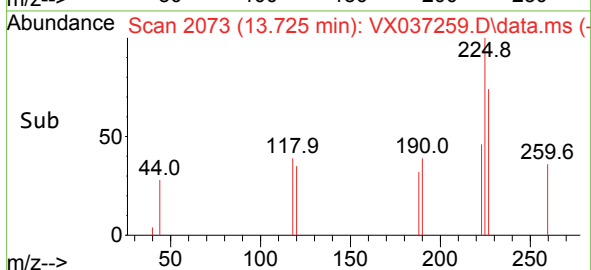
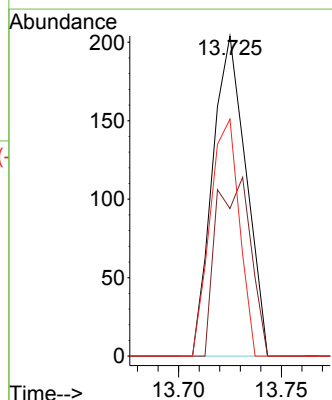
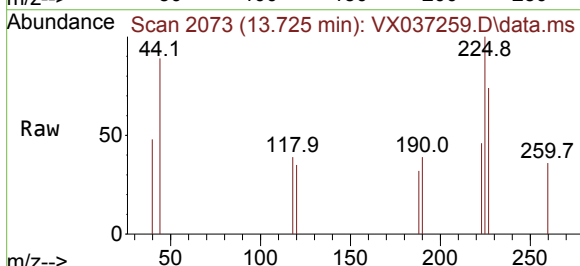
Tgt Ion:225 Resp: 231

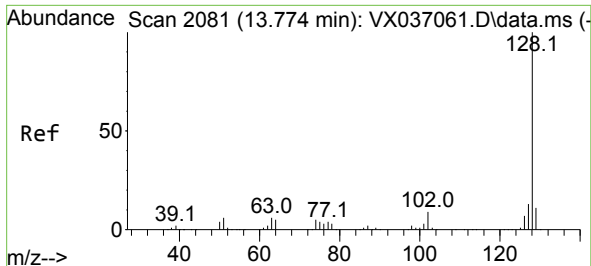
Ion Ratio Lower Upper

225 100

223 57.6 31.1 93.2

227 64.5 32.5 97.5

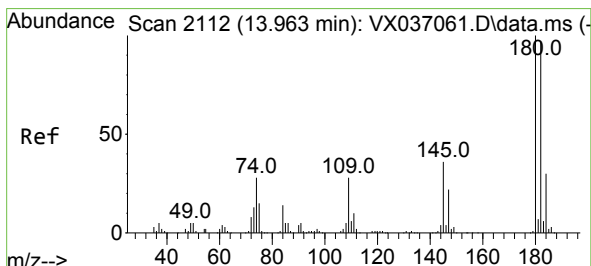
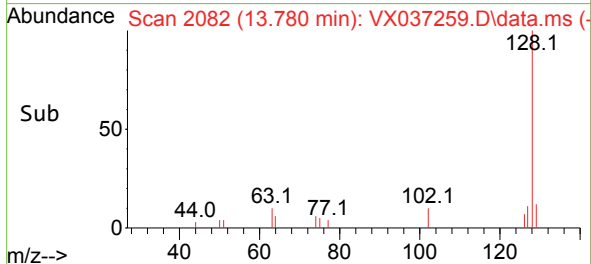
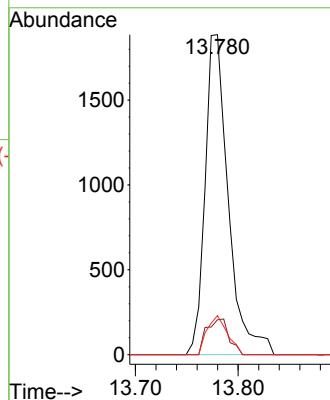
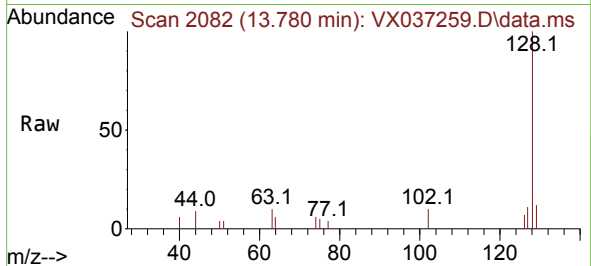




#95
Naphthalene
Concen: 0.349 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX037259.D
Acq: 25 Aug 2023 09:24

Instrument :
MSVOA_X
ClientSampleId :
VX0825MBL01

Tgt Ion:	128	Resp:	2967
Ion	Ratio	Lower	Upper
128	100		
127	10.7	10.3	15.5
129	10.7	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.527 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX037259.D
Acq: 25 Aug 2023 09:24

Tgt Ion:	180	Resp:	1017
Ion	Ratio	Lower	Upper
180	100		
182	99.8	46.9	140.6
145	29.9	17.8	53.5

