

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021924\
 Data File : VX040335.D
 Acq On : 19 Feb 2024 16:58
 Operator : JC/MD
 Sample : P1440-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB020724GW

Quant Time: Feb 20 01:18:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

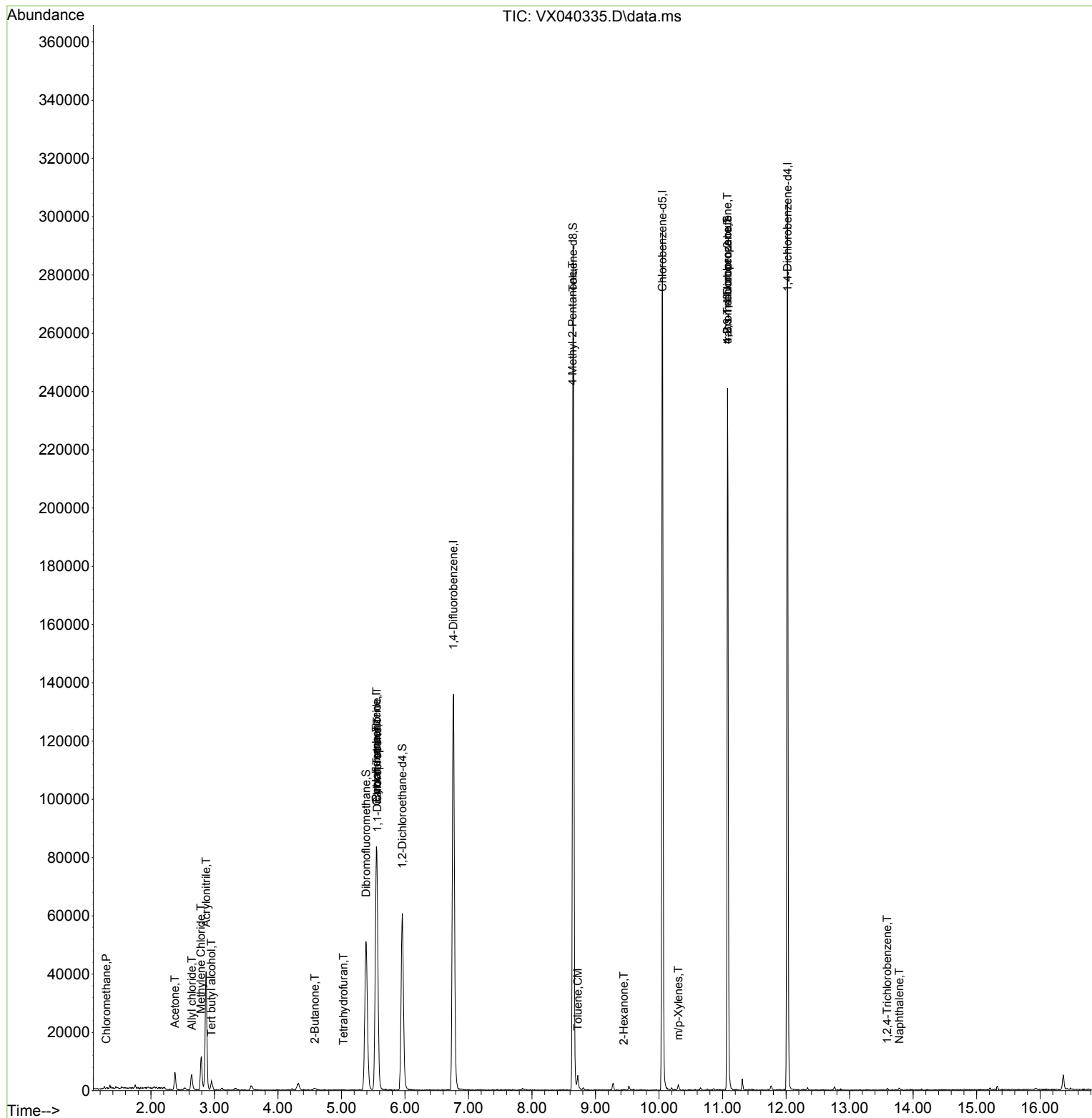
Internal Standards						
1) Pentafluorobenzene	5.550	168	76377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	135992	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	63376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	57477	50.584	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.160%
35) Dibromofluoromethane	5.385	113	44249	46.593	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.180%
50) Toluene-d8	8.647	98	166813	46.956	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.920%
62) 4-Bromofluorobenzene	11.079	95	63180	43.607	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.220%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	347	0.390	ug/l #	88
11) Tert butyl alcohol	2.953	59	2956	13.356	ug/l #	89
14) Allyl chloride	2.642	41	5510	4.072	ug/l #	42
15) Acrylonitrile	2.867	53	1202	2.427	ug/l #	39
16) Acetone	2.380	43	6585	14.111	ug/l	99
20) Methylene Chloride	2.788	84	5220	4.516	ug/l #	94
25) 2-Butanone	4.580	43	895	1.227	ug/l #	84
29) Tetrahydrofuran	5.031	42	168	0.354	ug/l #	43
31) Cyclohexane	5.550	56	2067	1.525	ug/l #	29
36) 1,1-Dichloropropene	5.562	75	6780	5.096	ug/l #	47
38) Carbon Tetrachloride	5.556	117	8110	6.412	ug/l #	14
51) 4-Methyl-2-Pentanone	8.641	43	888	0.563	ug/l #	1
52) Toluene	8.720	92	1516	0.622	ug/l	87
59) 2-Hexanone	9.445	43	285	0.228	ug/l #	38
68) m/p-Xylenes	10.305	106	476	0.266	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	34436	26.832	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	34436	73.548	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	300	0.217	ug/l #	78
95) Naphthalene	13.786	128	896	0.205	ug/l #	69

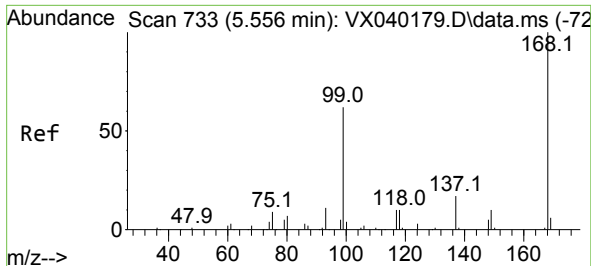
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 12 00:21:14 2024
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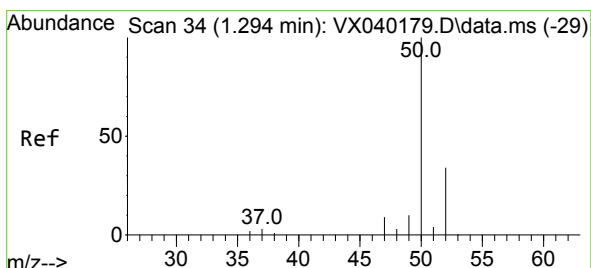
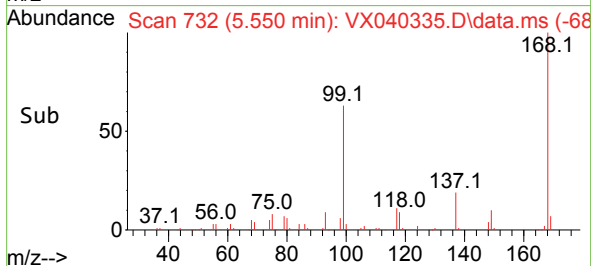
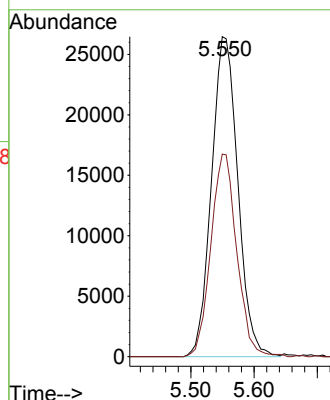
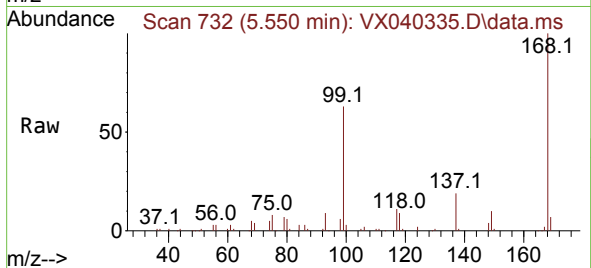




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040335.D
Acq: 19 Feb 2024 16:58

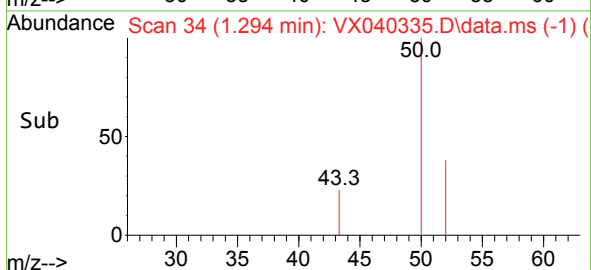
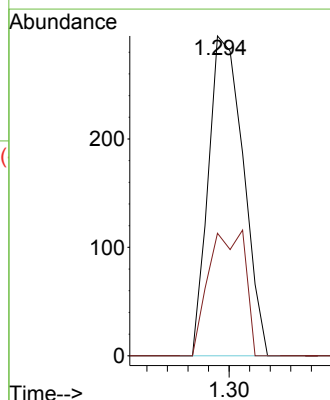
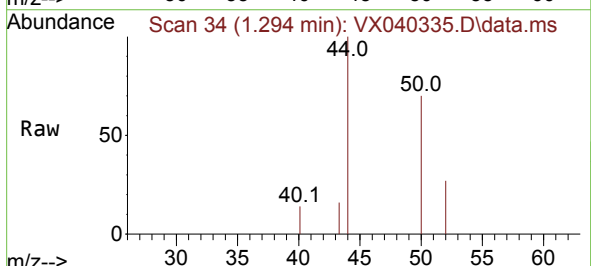
Instrument :
MSVOA_X
ClientSampleId :
FB020724GW

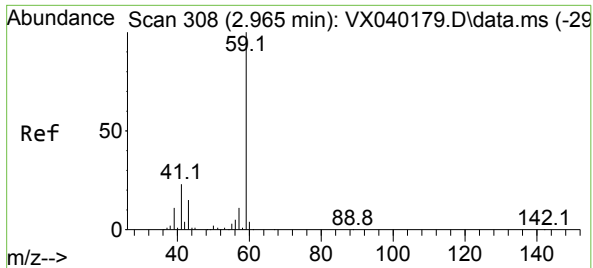
Tgt Ion:168 Resp: 76377
Ion Ratio Lower Upper
168 100
99 63.3 56.6 85.0



#3
Chloromethane
Concen: 0.390 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX040335.D
Acq: 19 Feb 2024 16:58

Tgt Ion: 50 Resp: 347
Ion Ratio Lower Upper
50 100
52 38.3 25.5 38.3#





#11

Tert butyl alcohol

Concen: 13.356 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.012 min

Lab File: VX040335.D

Acq: 19 Feb 2024 16:58

Instrument :

MSVOA_X

ClientSampleId :

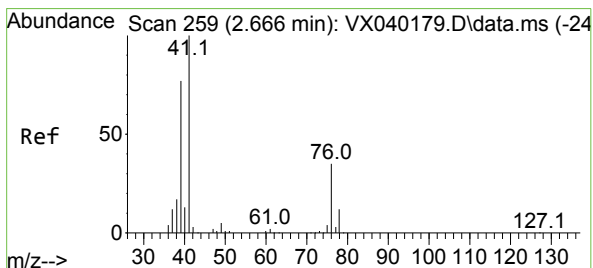
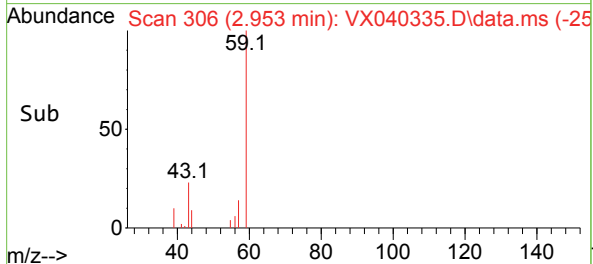
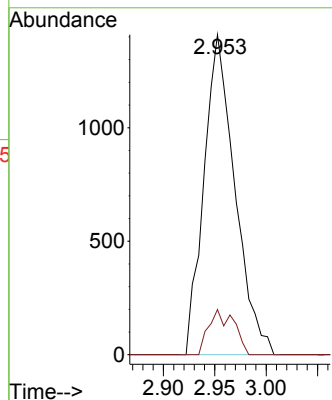
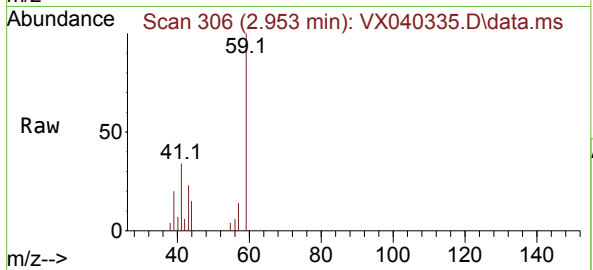
FB020724GW

Tgt Ion: 59 Resp: 2956

Ion Ratio Lower Upper

59 100

57 11.5 6.0 9.0#



#14

Allyl chloride

Concen: 4.072 ug/l

RT: 2.642 min Scan# 255

Delta R.T. -0.018 min

Lab File: VX040335.D

Acq: 19 Feb 2024 16:58

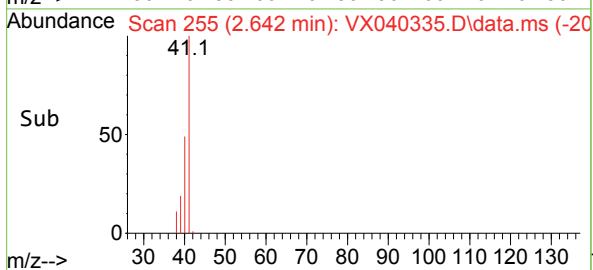
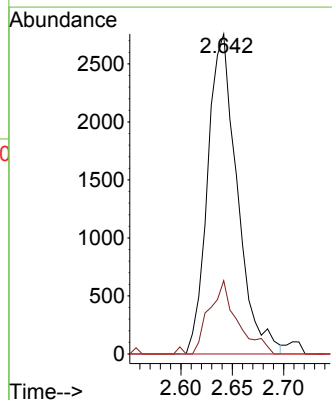
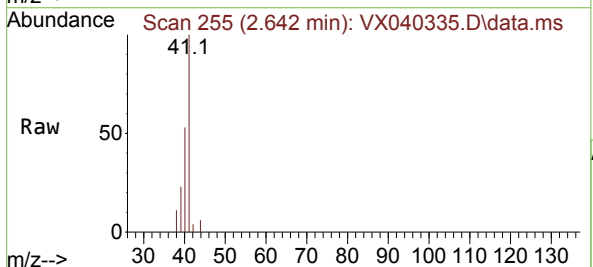
Tgt Ion: 41 Resp: 5510

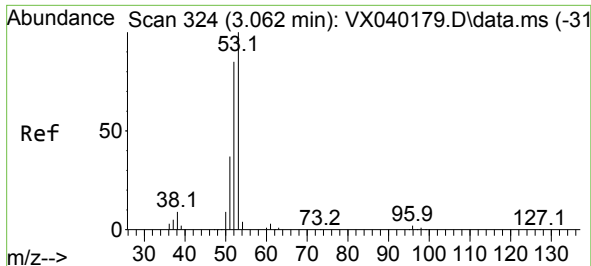
Ion Ratio Lower Upper

41 100

39 21.9 55.8 83.6#

76 0.0 24.3 36.5#

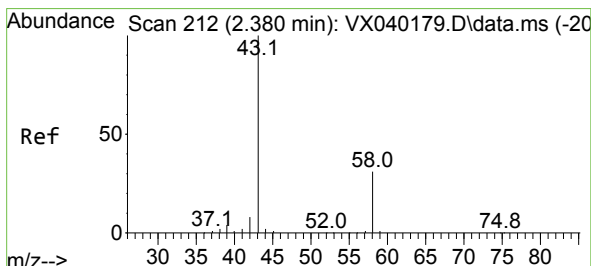
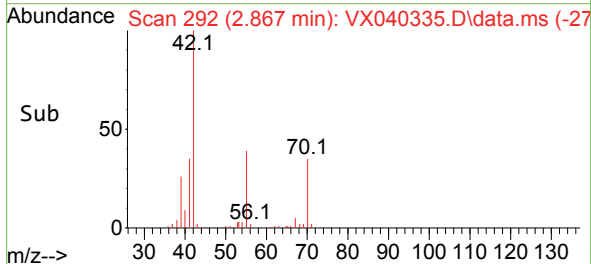
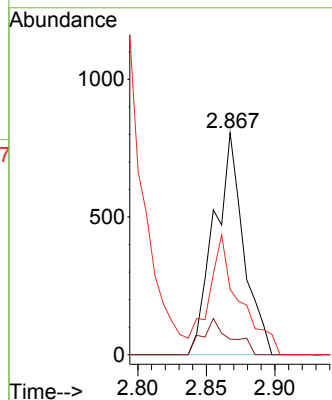
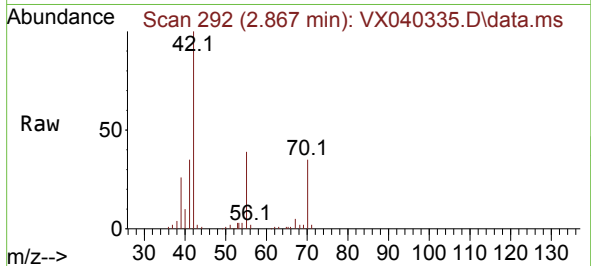




#15
Acrylonitrile
Concen: 2.427 ug/l
RT: 2.867 min Scan# 212
Delta R.T. -0.195 min
Lab File: VX040335.D
Acq: 19 Feb 2024 16:58

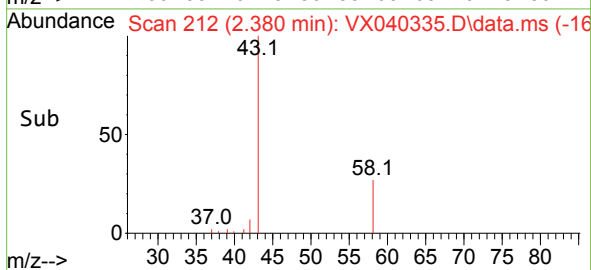
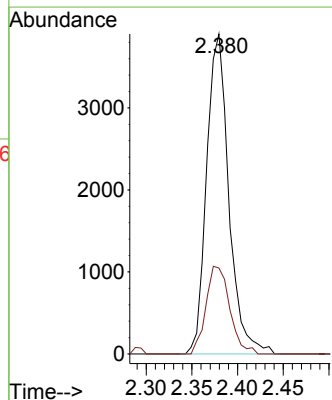
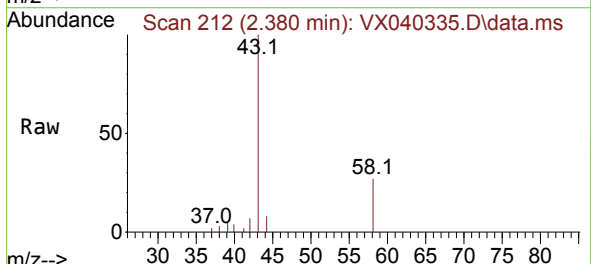
Instrument :
MSVOA_X
ClientSampleId :
FB020724GW

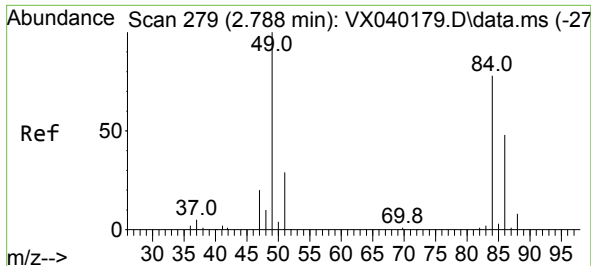
Tgt Ion: 53 Resp: 1202
Ion Ratio Lower Upper
53 100
52 15.6 66.0 99.0#
51 56.4 29.8 44.6#



#16
Acetone
Concen: 14.111 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040335.D
Acq: 19 Feb 2024 16:58

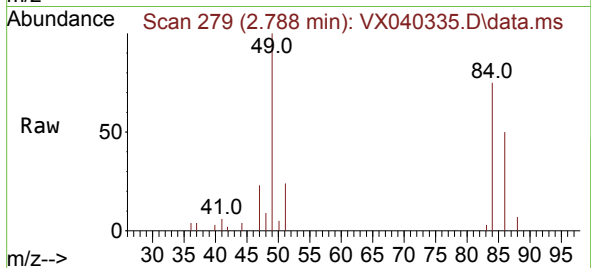
Tgt Ion: 43 Resp: 6585
Ion Ratio Lower Upper
43 100
58 26.8 21.9 32.9



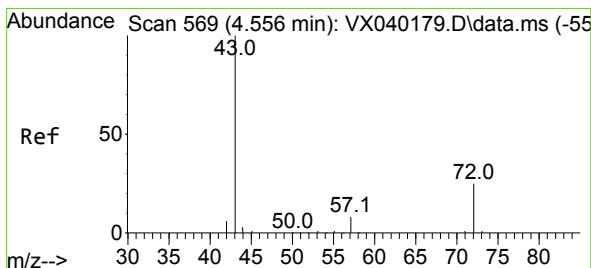
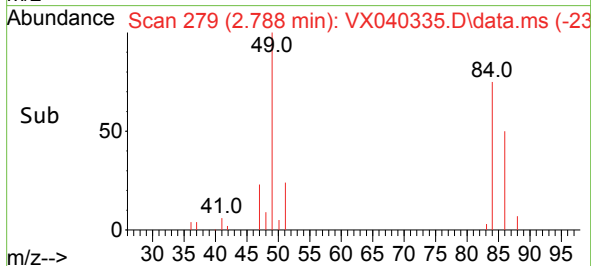
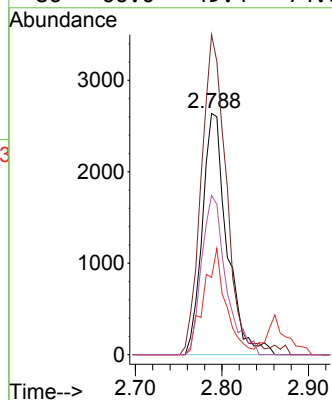


#20
Methylene Chloride
Concen: 4.516 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX040335.D
Acq: 19 Feb 2024 16:58

Instrument :
MSVOA_X
ClientSampleId :
FB020724GW

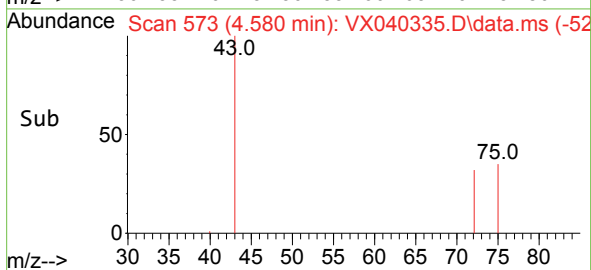
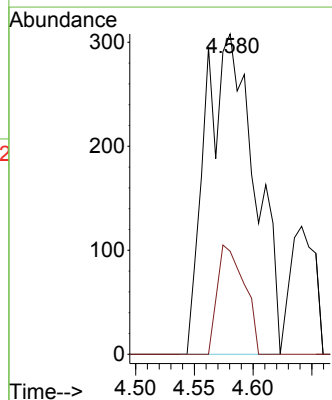
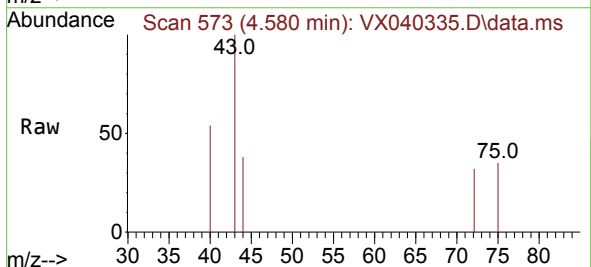


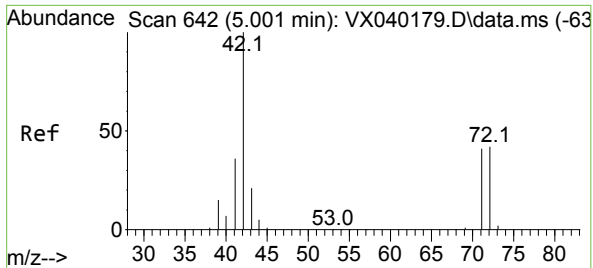
Tgt Ion:	84	Resp:	5220
Ion	Ratio	Lower	Upper
84	100		
49	132.6	103.6	155.4
51	32.0	33.8	50.6#
86	66.0	49.4	74.0



#25
2-Butanone
Concen: 1.227 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX040335.D
Acq: 19 Feb 2024 16:58

Tgt Ion:	43	Resp:	895
Ion	Ratio	Lower	Upper
43	100		
72	32.1	19.4	29.2#





#29

Tetrahydrofuran

Concen: 0.354 ug/l

RT: 5.031 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX040335.D

Acq: 19 Feb 2024 16:58

Instrument :

MSVOA_X

ClientSampleId :

FB020724GW

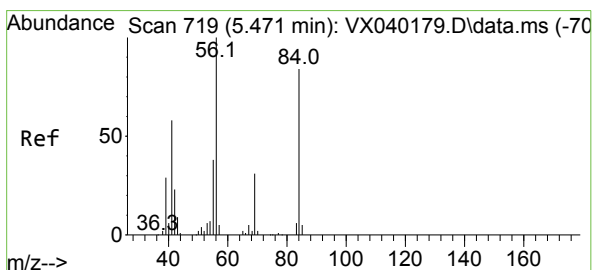
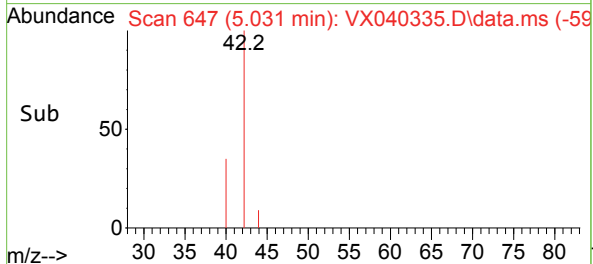
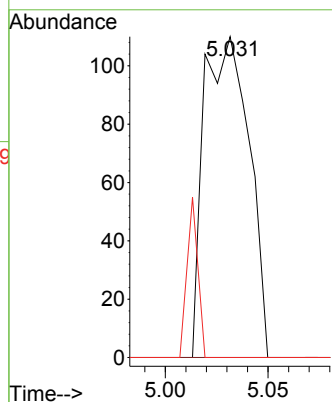
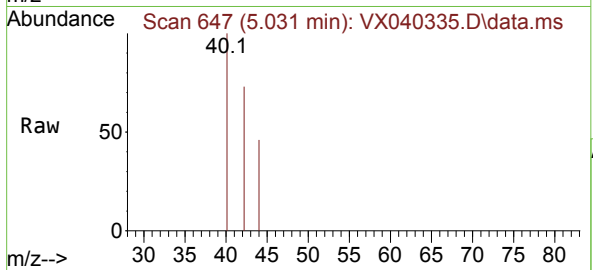
Tgt Ion: 42 Resp: 168

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 11.9 32.2 48.2#



#31

Cyclohexane

Concen: 1.525 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX040335.D

Acq: 19 Feb 2024 16:58

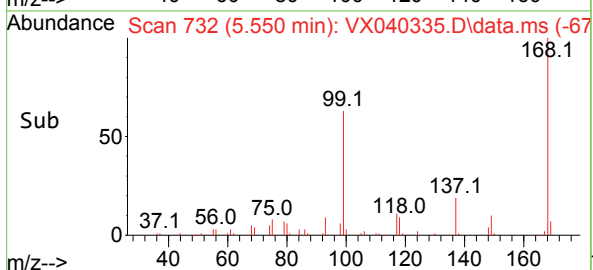
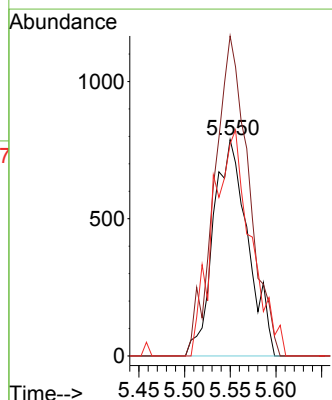
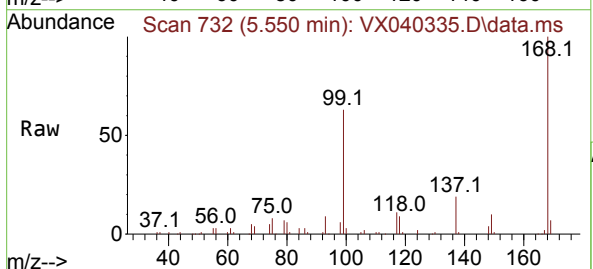
Tgt Ion: 56 Resp: 2067

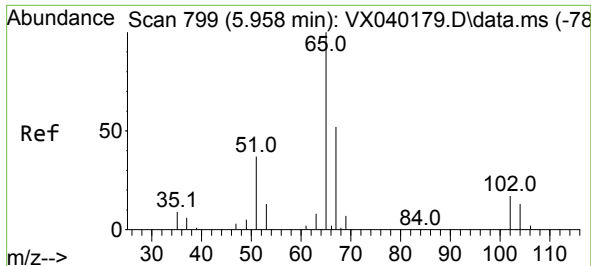
Ion Ratio Lower Upper

56 100

69 148.0 23.4 35.2#

84 98.1 65.9 98.9

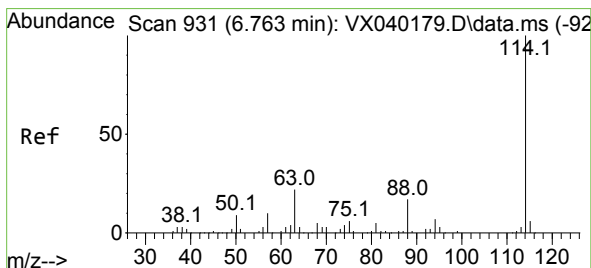
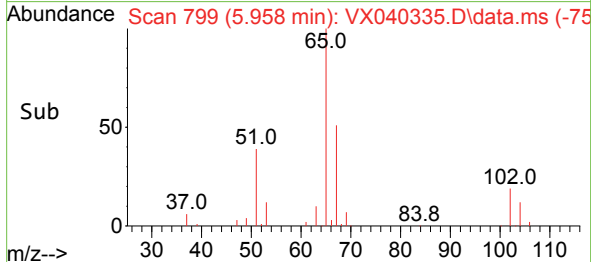
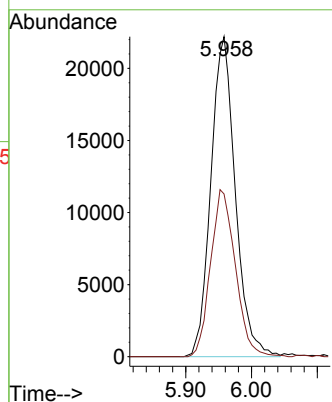
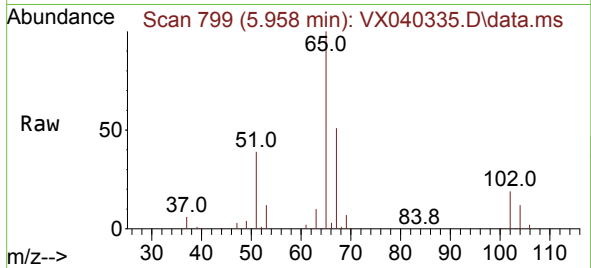




#33
1,2-Dichloroethane-d4
Concen: 50.584 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX040335.D
Acq: 19 Feb 2024 16:58

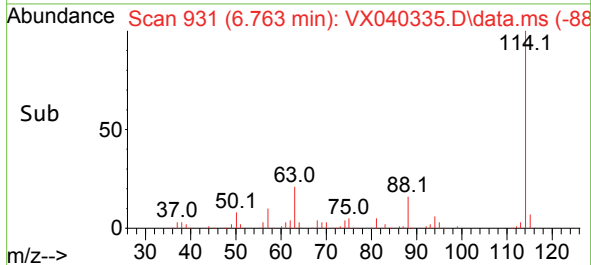
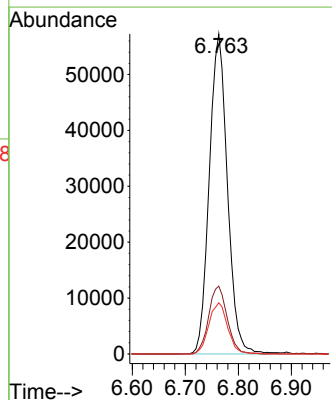
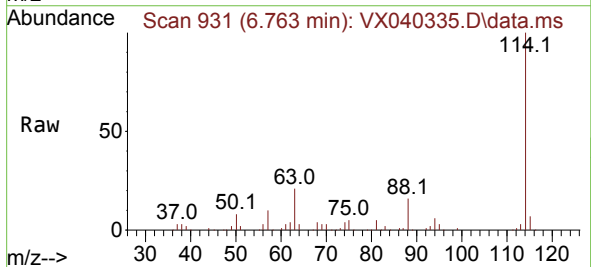
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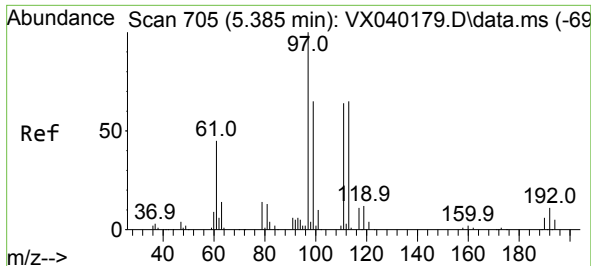
Tgt Ion: 65 Resp: 57477
Ion Ratio Lower Upper
65 100
67 53.0 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX040335.D
Acq: 19 Feb 2024 16:58

Tgt Ion: 114 Resp: 135992
Ion Ratio Lower Upper
114 100
63 21.2 0.0 45.0
88 16.0 0.0 36.6

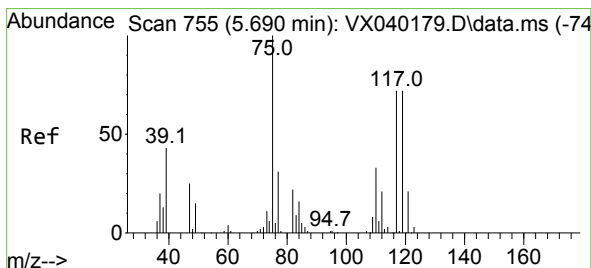
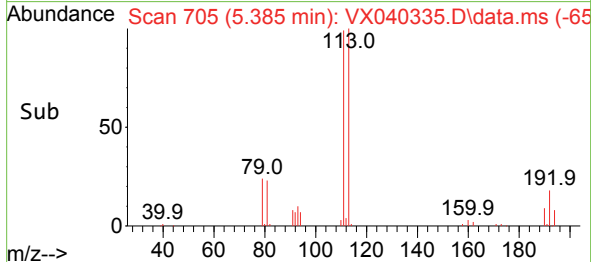
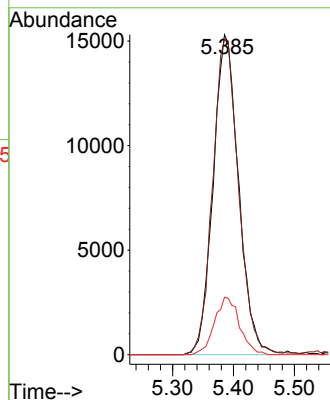
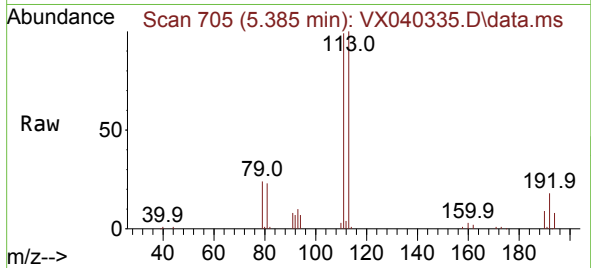




#35
Dibromofluoromethane
Concen: 46.593 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040335.D
Acq: 19 Feb 2024 16:58

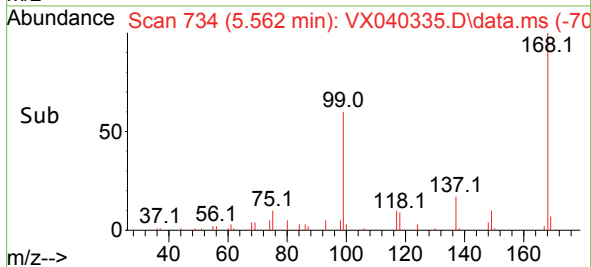
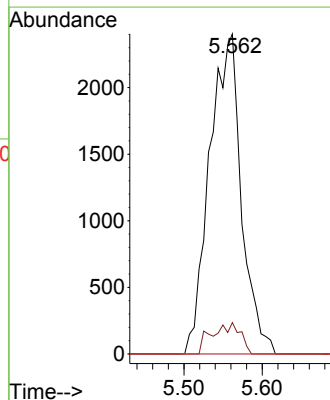
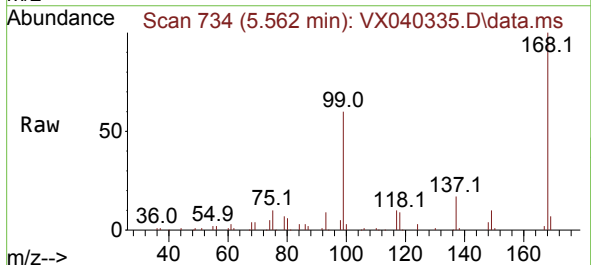
Instrument :
MSVOA_X
ClientSampleId :
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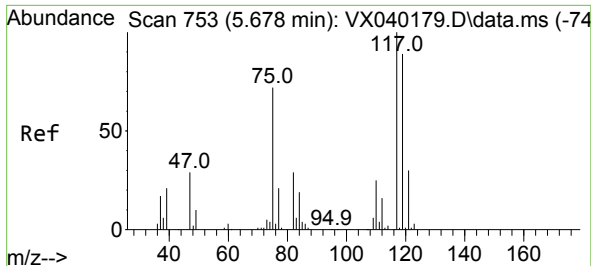
Tgt Ion:113 Resp: 44249
Ion Ratio Lower Upper
113 100
111 100.9 82.9 124.3
192 17.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.096 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX040335.D
Acq: 19 Feb 2024 16:58

Tgt Ion: 75 Resp: 6780
Ion Ratio Lower Upper
75 100
110 5.3 17.0 50.9#
77 0.0 24.7 37.1#

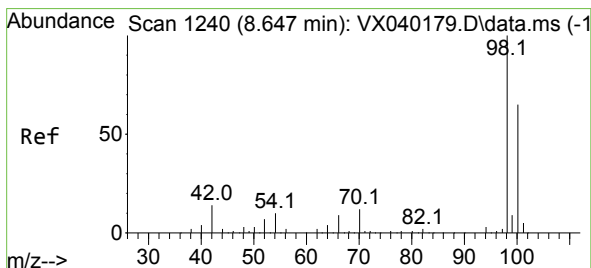
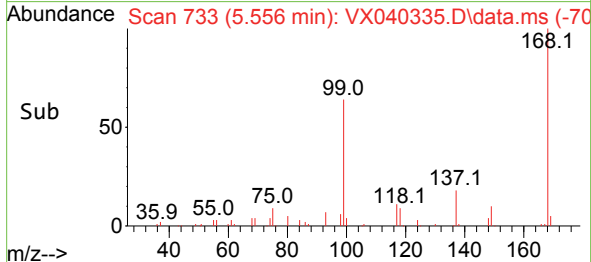
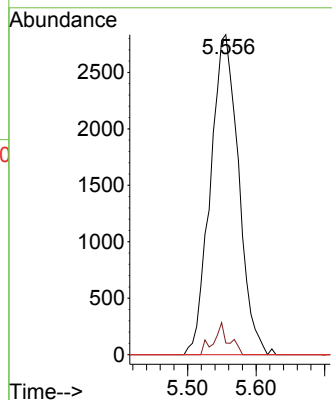
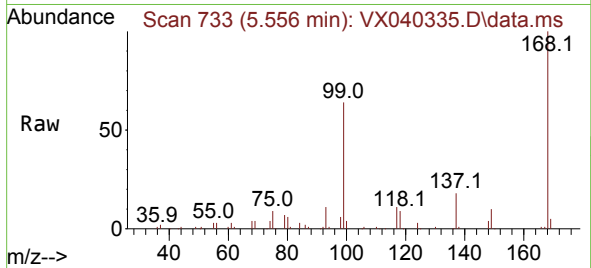




#38
Carbon Tetrachloride
Concen: 6.412 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX040335.D
Acq: 19 Feb 2024 16:58

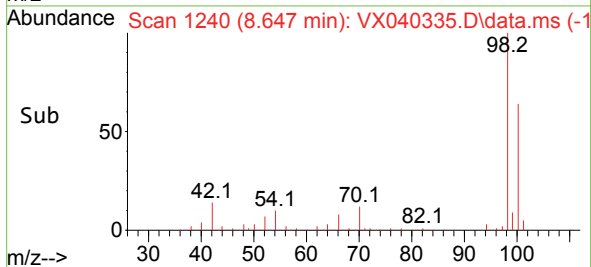
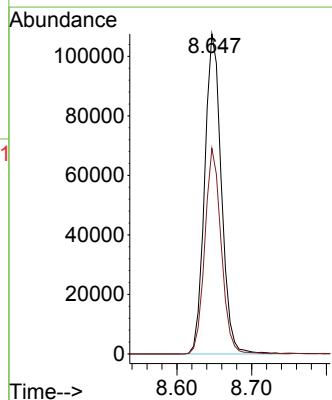
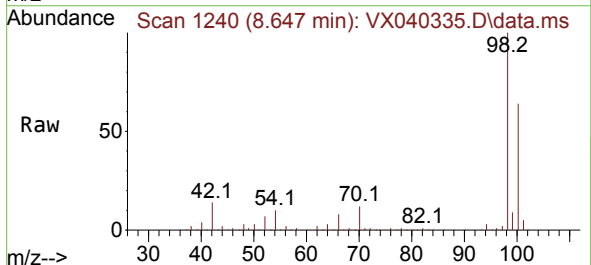
Instrument :
MSVOA_X
ClientSampleId :
FB020724GW

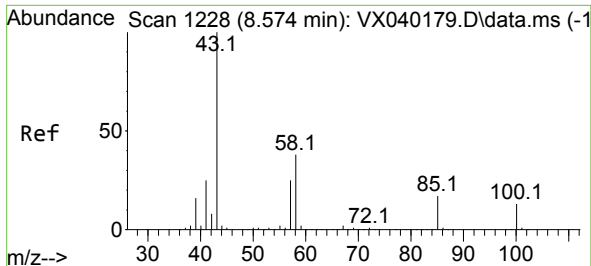
Tgt Ion:117 Resp: 8110
Ion Ratio Lower Upper
117 100
119 3.7 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 46.956 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX040335.D
Acq: 19 Feb 2024 16:58

Tgt Ion: 98 Resp: 166813
Ion Ratio Lower Upper
98 100
100 63.0 53.1 79.7

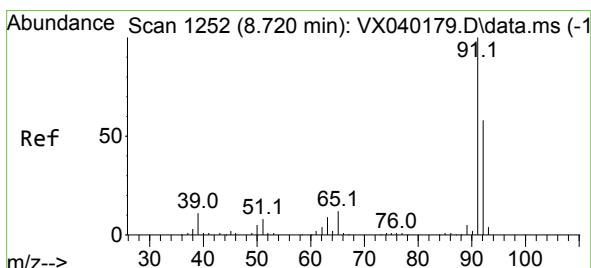
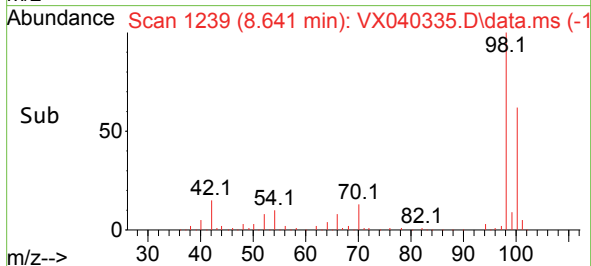
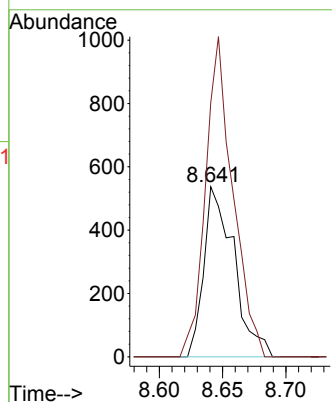
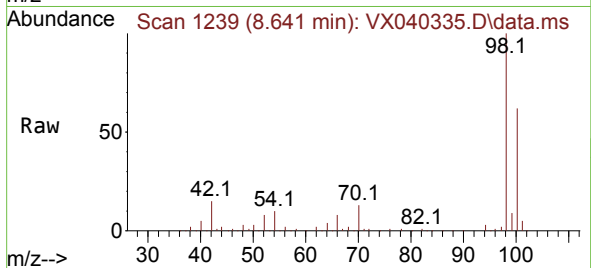




#51
4-Methyl-2-Pentanone
Concen: 0.563 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX040335.D
Acq: 19 Feb 2024 16:58

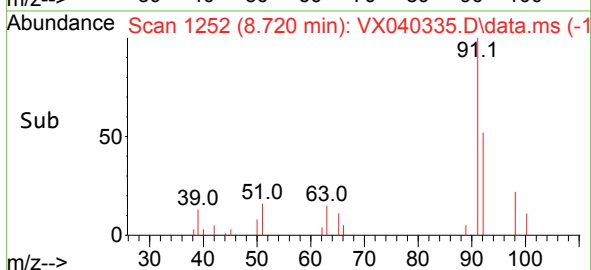
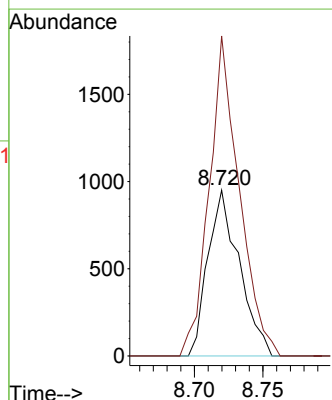
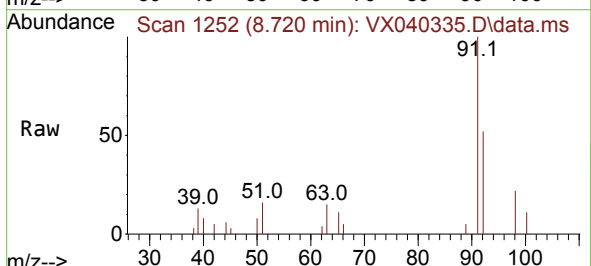
Instrument :
MSVOA_X
ClientSampleId :
FB020724GW

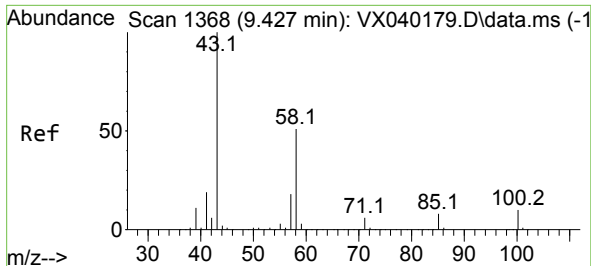
Tgt Ion: 43 Resp: 888
Ion Ratio Lower Upper
43 100
58 171.1 30.4 45.6#



#52
Toluene
Concen: 0.622 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX040335.D
Acq: 19 Feb 2024 16:58

Tgt Ion: 92 Resp: 1516
Ion Ratio Lower Upper
92 100
91 185.1 134.2 201.2

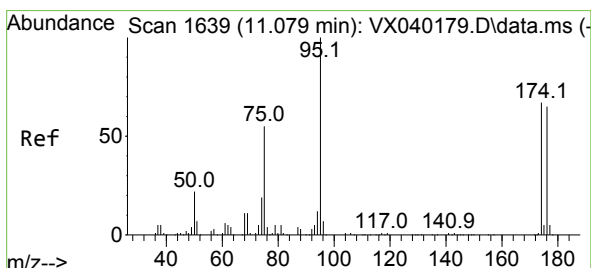
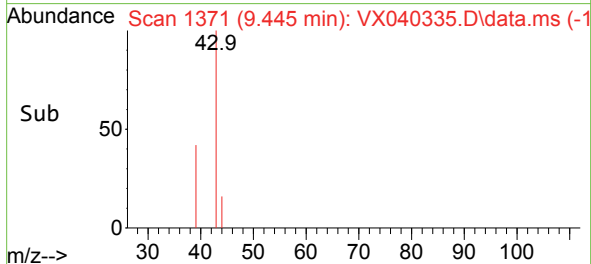
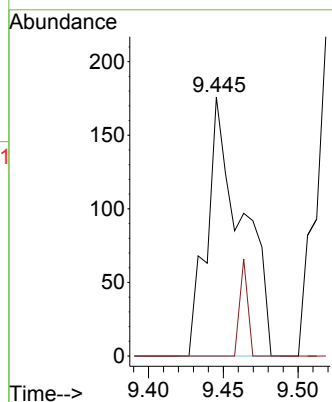
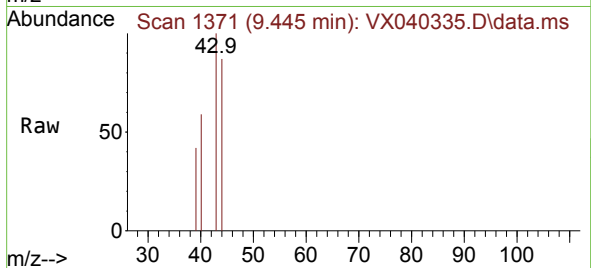




#59
2-Hexanone
Concen: 0.228 ug/l
RT: 9.445 min Scan# 11
Delta R.T. 0.018 min
Lab File: VX040335.D
Acq: 19 Feb 2024 16:58

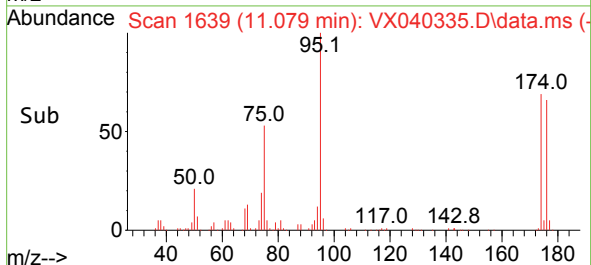
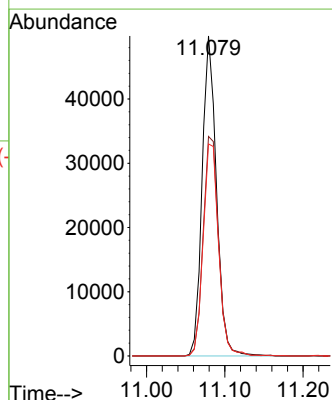
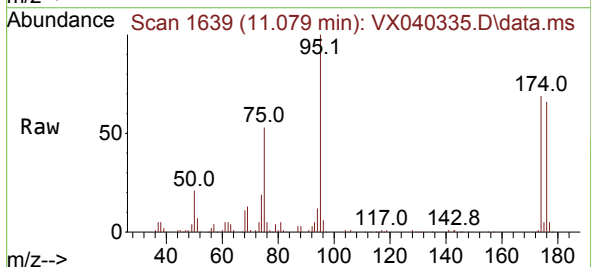
Instrument :
MSVOA_X
ClientSampleId :
FB020724GW

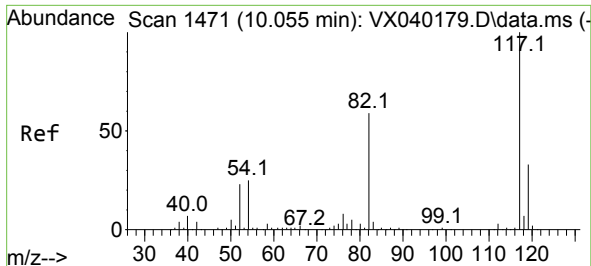
Tgt Ion: 43 Resp: 285
Ion Ratio Lower Upper
43 100
58 8.4 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 43.607 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040335.D
Acq: 19 Feb 2024 16:58

Tgt Ion: 95 Resp: 63180
Ion Ratio Lower Upper
95 100
174 73.6 0.0 135.6
176 71.7 0.0 131.0

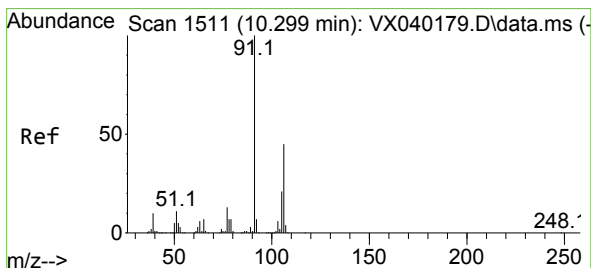
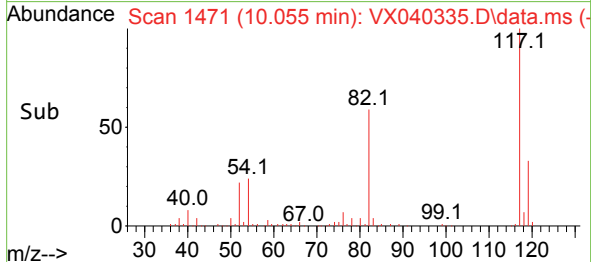
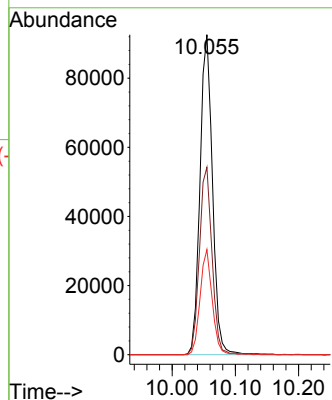
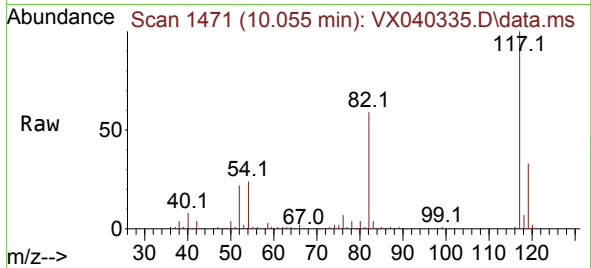




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040335.D
Acq: 19 Feb 2024 16:58

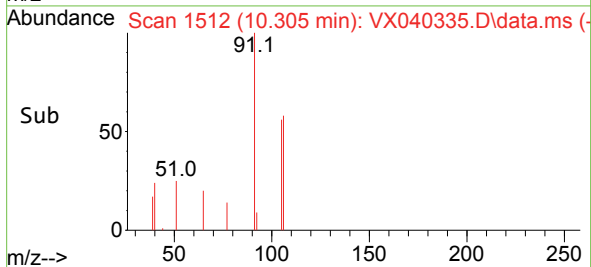
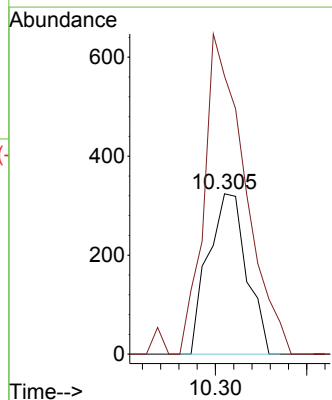
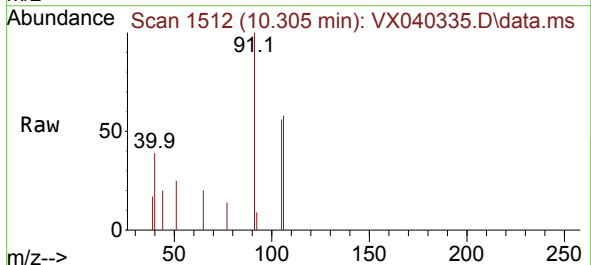
Instrument :
MSVOA_X
ClientSampleId :
FB020724GW

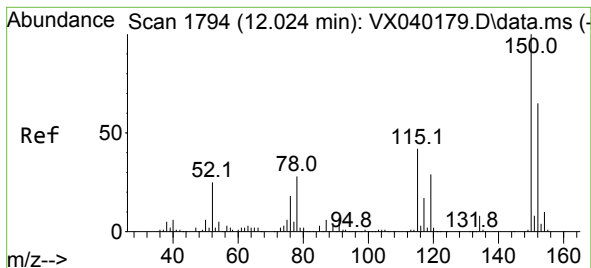
Tgt Ion:117 Resp: 127499
Ion Ratio Lower Upper
117 100
82 58.5 46.2 69.4
119 32.8 25.5 38.3



#68
m/p-Xylenes
Concen: 0.266 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX040335.D
Acq: 19 Feb 2024 16:58

Tgt Ion:106 Resp: 476
Ion Ratio Lower Upper
106 100
91 214.9 165.5 248.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX040335.D

Acq: 19 Feb 2024 16:58

Instrument :

MSVOA_X

ClientSampleId :

FB020724GW

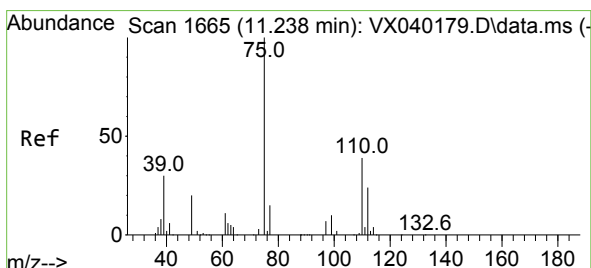
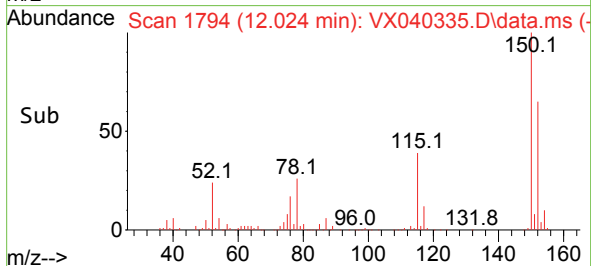
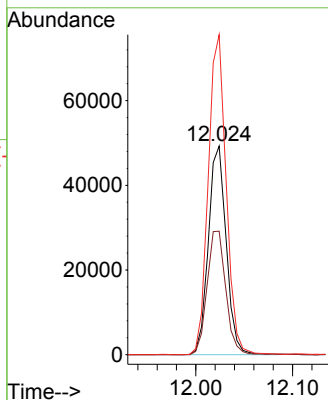
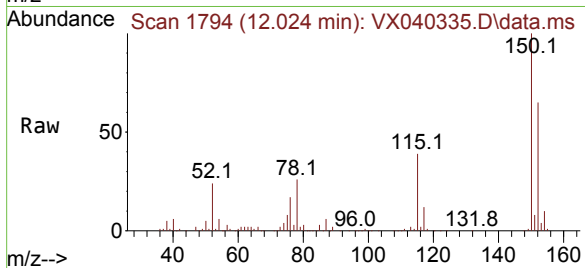
Tgt Ion:152 Resp: 63376

Ion Ratio Lower Upper

152 100

115 62.3 43.3 129.9

150 153.8 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 26.832 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040335.D

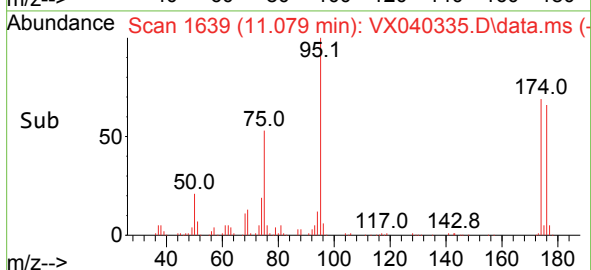
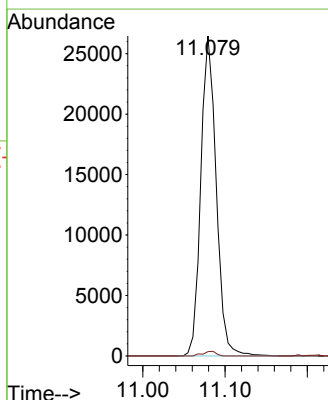
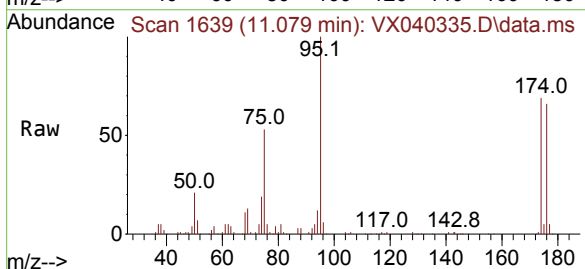
Acq: 19 Feb 2024 16:58

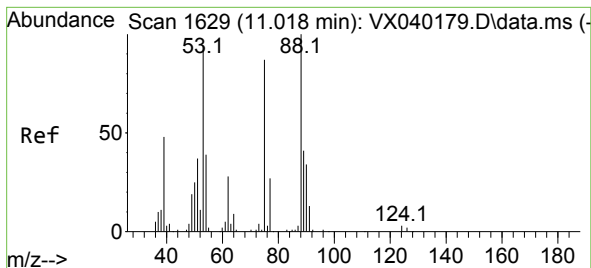
Tgt Ion: 75 Resp: 34436

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#

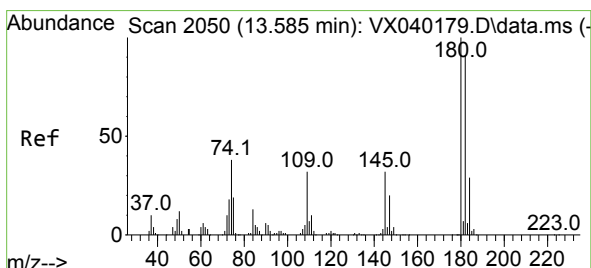
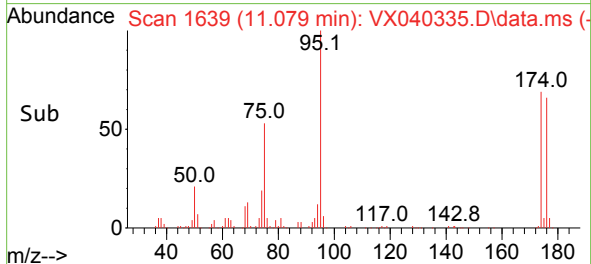
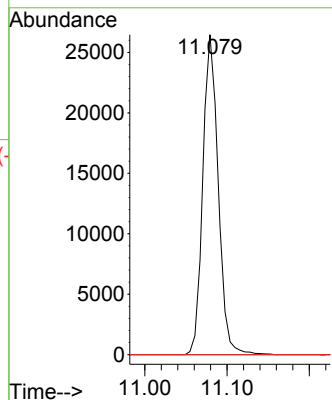
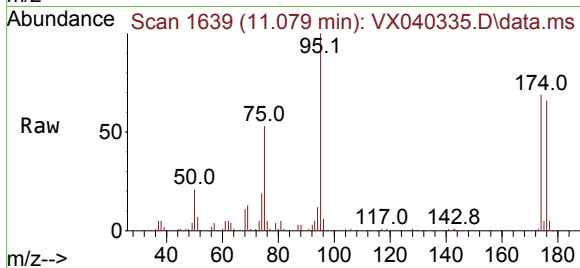




#81
trans-1,4-Dichloro-2-butene
Concen: 73.548 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX040335.D
Acq: 19 Feb 2024 16:58

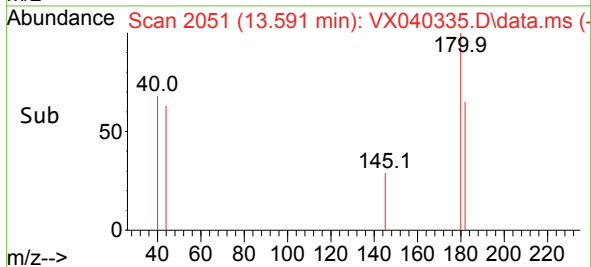
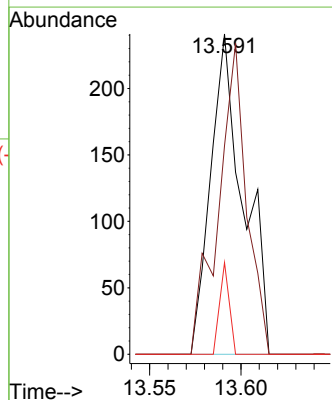
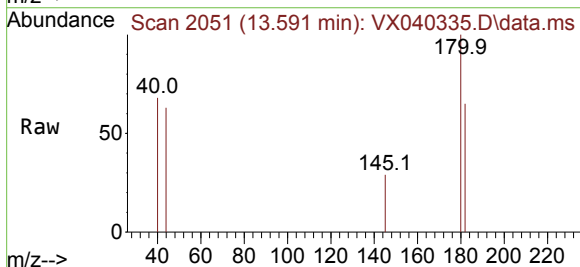
Instrument :
MSVOA_X
ClientSampleId :
FB020724GW

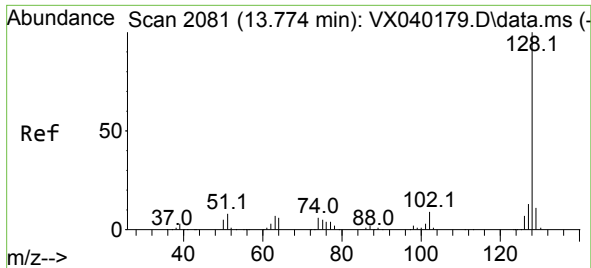
Tgt Ion: 75 Resp: 34436
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.217 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX040335.D
Acq: 19 Feb 2024 16:58

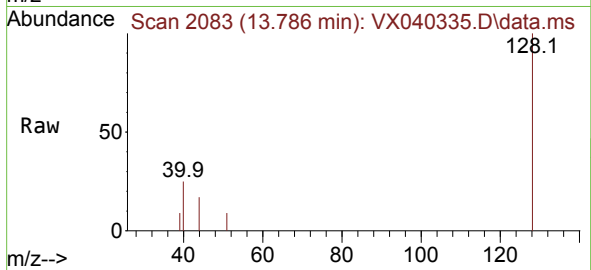
Tgt Ion:180 Resp: 300
Ion Ratio Lower Upper
180 100
182 84.0 48.3 144.8
145 8.3 18.0 54.0#





#95
 Naphthalene
 Concen: 0.205 ug/l
 RT: 13.786 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: VX040335.D
 Acq: 19 Feb 2024 16:58

Instrument :
 MSVOA_X
 ClientSampleId :
 FB020724GW



Tgt Ion:128 Resp: 896
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.8 13.2#

