

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021524\
 Data File : VX040255.D
 Acq On : 15 Feb 2024 16:22
 Operator : JC/MD
 Sample : PB159010ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB159010ZHE#02

Quant Time: Feb 16 00:51:26 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)

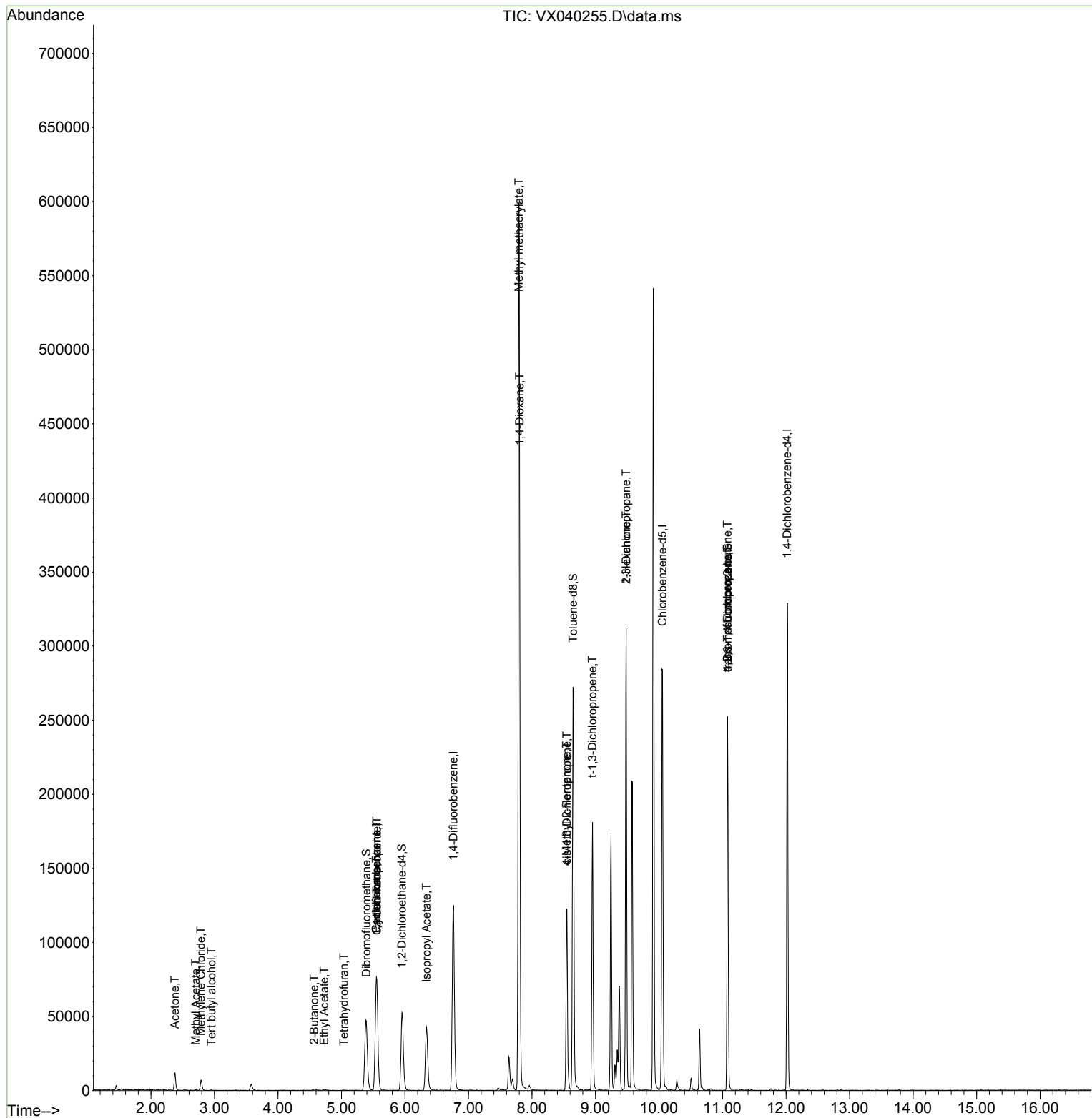
Internal Standards						
1) Pentafluorobenzene	5.550	168	74171	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	128774	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	130249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65511	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	49728	45.066	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.140%		
35) Dibromofluoromethane	5.391	113	41552	46.205	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.420%		
50) Toluene-d8	8.647	98	161764	48.087	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.180%		
62) 4-Bromofluorobenzene	11.079	95	63513	46.294	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.580%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	280	1.303	ug/l #	78
16) Acetone	2.380	43	13251	29.239	ug/l	91
18) Methyl Acetate	2.703	43	728	0.599	ug/l #	80
20) Methylene Chloride	2.788	84	3351	2.427	ug/l	88
25) 2-Butanone	4.568	43	1515	2.139	ug/l #	86
29) Tetrahydrofuran	5.038	42	119	0.258	ug/l #	60
31) Cyclohexane	5.550	56	1555	1.181	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	5975	4.743	ug/l #	50
37) Ethyl Acetate	4.727	43	1716	1.224	ug/l #	82
38) Carbon Tetrachloride	5.556	117	7518	6.277	ug/l #	15
43) Isopropyl Acetate	6.336	43	59293	27.097	ug/l	98
48) Methyl methacrylate	7.793	41	52451	46.846	ug/l #	49
49) 1,4-Dioxane	7.806	88	21	0.862	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	43887	29.377	ug/l #	52
53) t-1,3-Dichloropropene	8.952	75	409	2.209	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	19815	13.588	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	2716	1.691	ug/l #	42
59) 2-Hexanone	9.482	43	36214	30.574	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	34104	25.707	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	34104	70.614	ug/l #	5

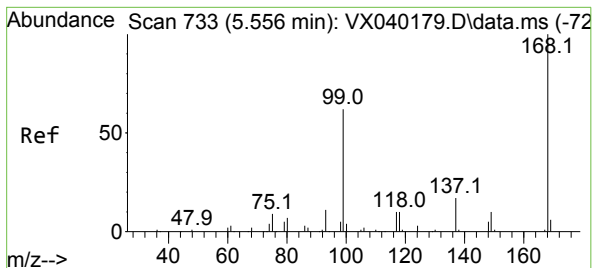
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Feb 16 00:51:26 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX040255.D

Acq: 15 Feb 2024 16:22

Instrument :

MSVOA_X

ClientSampleId :

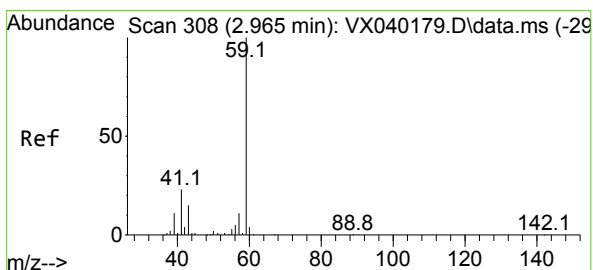
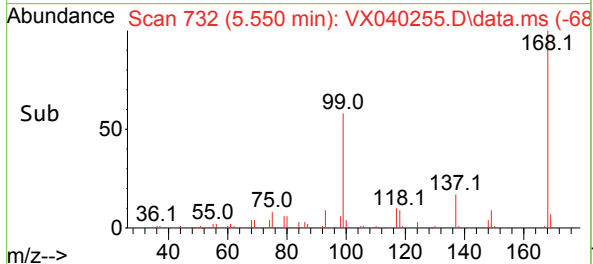
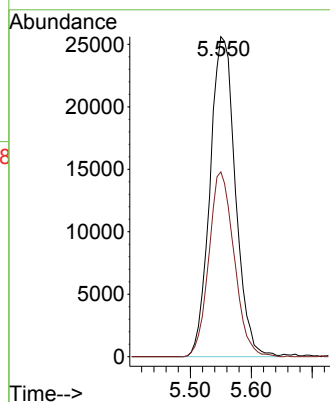
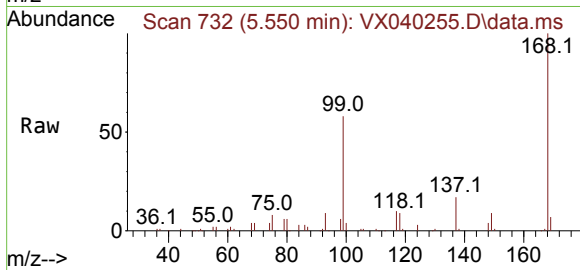
PB159010ZHE#02

Tgt Ion:168 Resp: 74171

Ion Ratio Lower Upper

168 100

99 57.8 56.6 85.0



#11

Tert butyl alcohol

Concen: 1.303 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.012 min

Lab File: VX040255.D

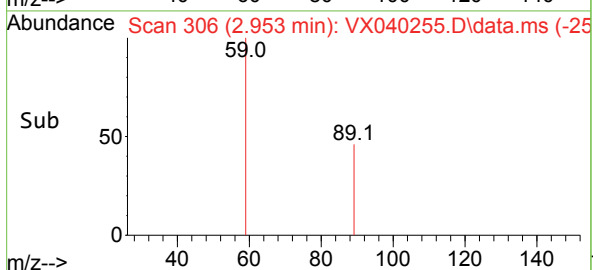
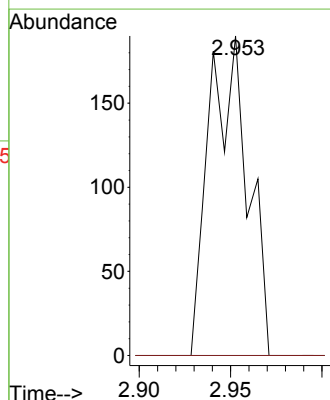
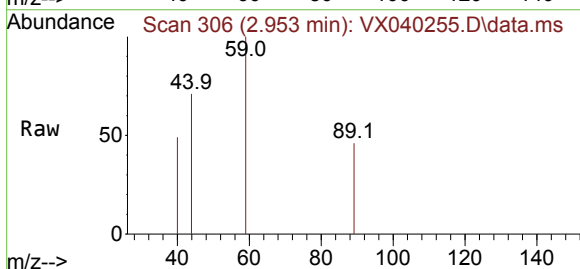
Acq: 15 Feb 2024 16:22

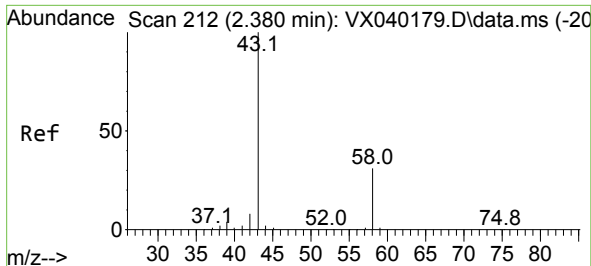
Tgt Ion: 59 Resp: 280

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#

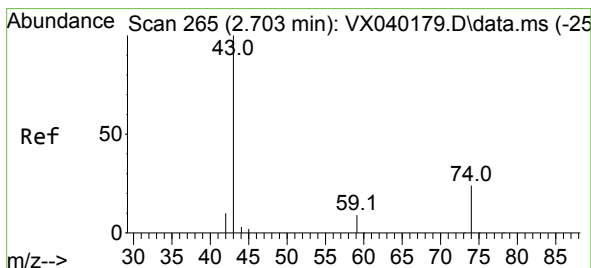
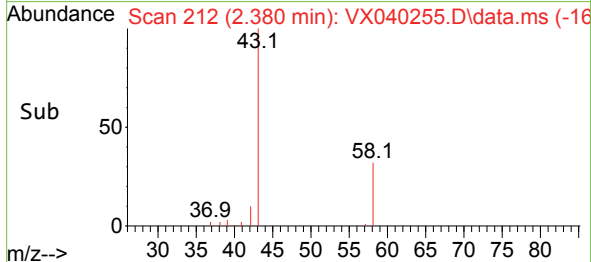
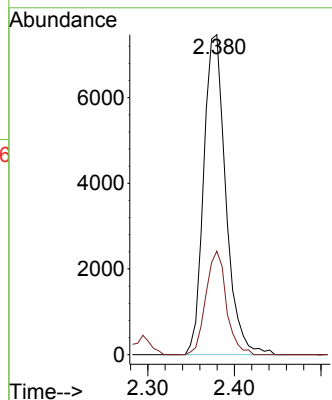
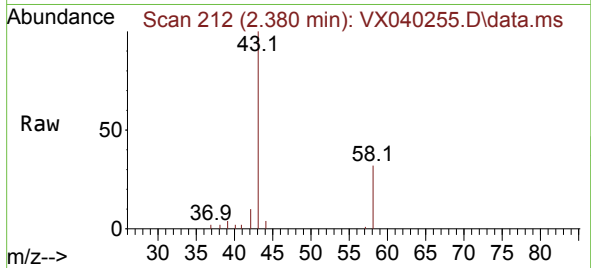




#16
Acetone
Concen: 29.239 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040255.D
Acq: 15 Feb 2024 16:22

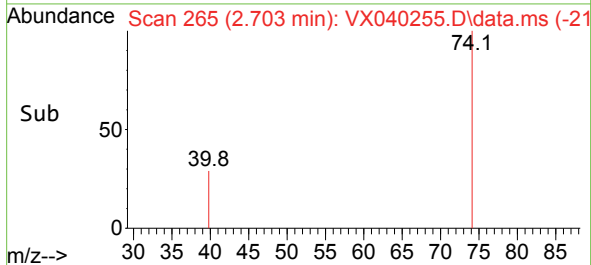
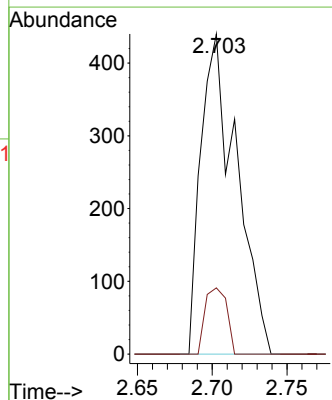
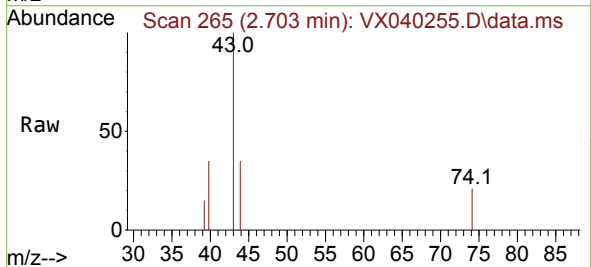
Instrument :
MSVOA_X
ClientSampleId :
PB159010ZHE#02

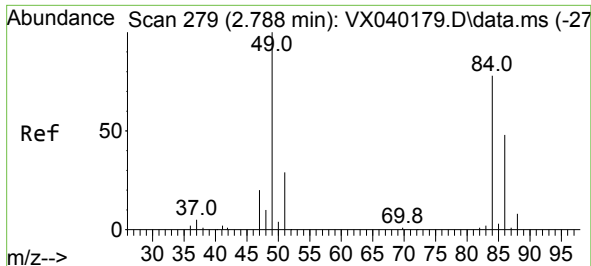
Tgt Ion: 43 Resp: 13251
Ion Ratio Lower Upper
43 100
58 32.3 21.9 32.9



#18
Methyl Acetate
Concen: 0.599 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX040255.D
Acq: 15 Feb 2024 16:22

Tgt Ion: 43 Resp: 728
Ion Ratio Lower Upper
43 100
74 12.5 17.8 26.8#

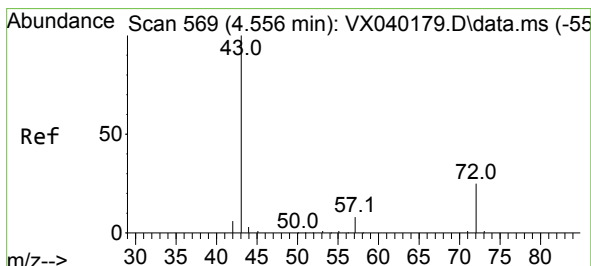
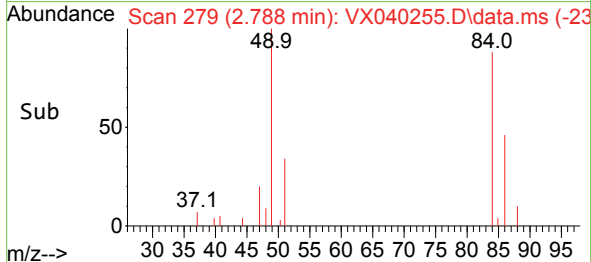
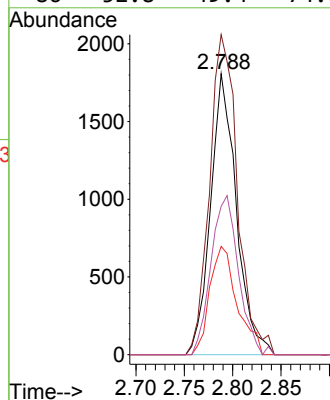
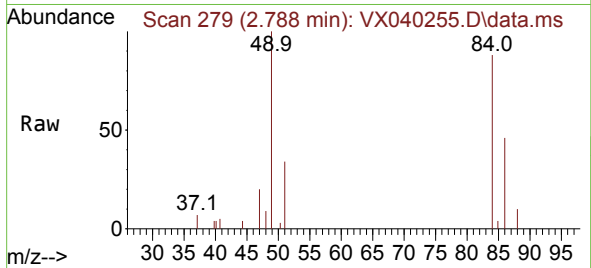




#20
Methylene Chloride
Concen: 2.427 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX040255.D
Acq: 15 Feb 2024 16:22

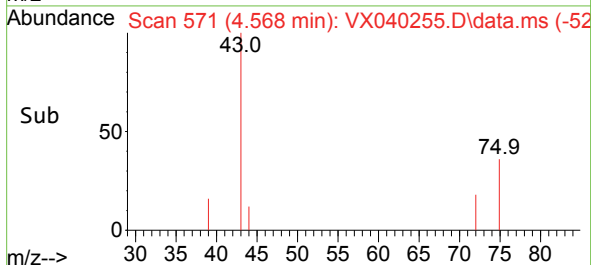
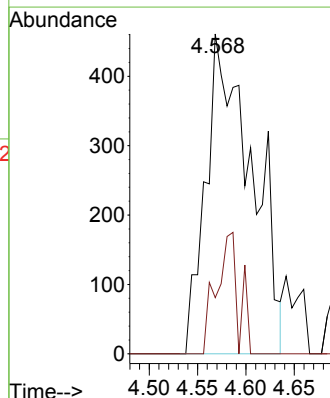
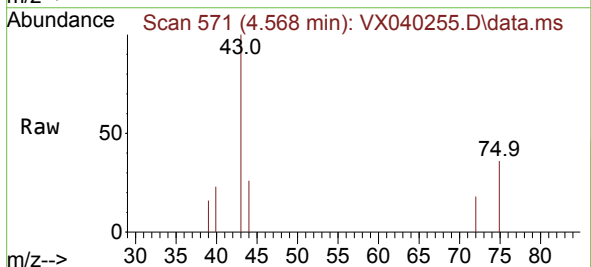
Instrument :
MSVOA_X
ClientSampleId :
PB159010ZHE#02

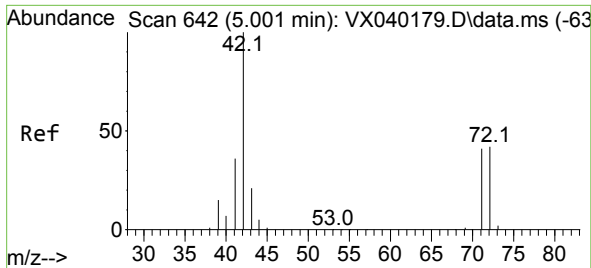
Tgt Ion: 84	Resp:	3351	
Ion	Ratio	Lower	Upper
84	100		
49	113.9	103.6	155.4
51	38.6	33.8	50.6
86	52.8	49.4	74.0



#25
2-Butanone
Concen: 2.139 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX040255.D
Acq: 15 Feb 2024 16:22

Tgt Ion: 43	Resp: 1515
Ion Ratio	Lower Upper
43 100	
72 17.6	19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.258 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.031 min

Lab File: VX040255.D

Acq: 15 Feb 2024 16:22

Instrument :

MSVOA_X

ClientSampleId :

PB159010ZHE#02

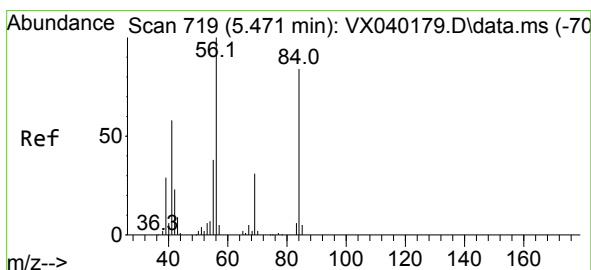
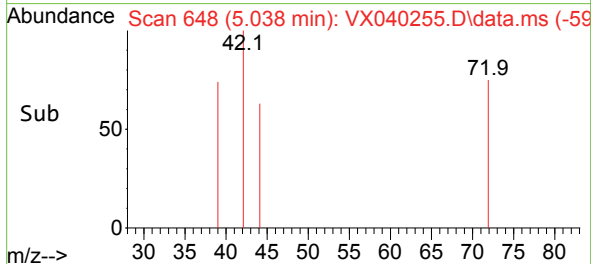
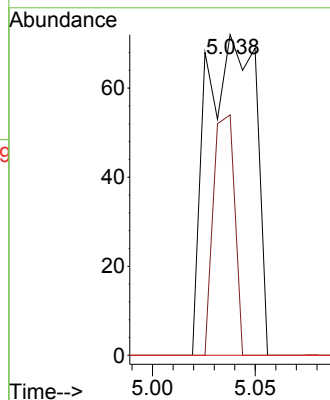
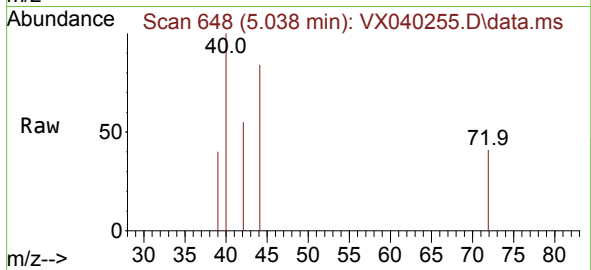
Tgt Ion: 42 Resp: 119

Ion Ratio Lower Upper

42 100

72 32.8 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.181 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX040255.D

Acq: 15 Feb 2024 16:22

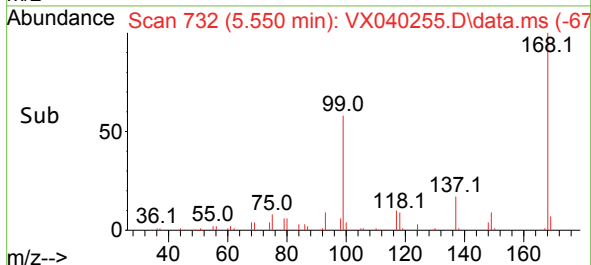
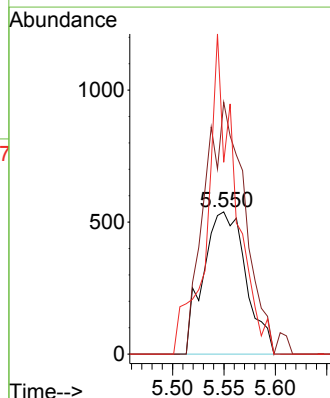
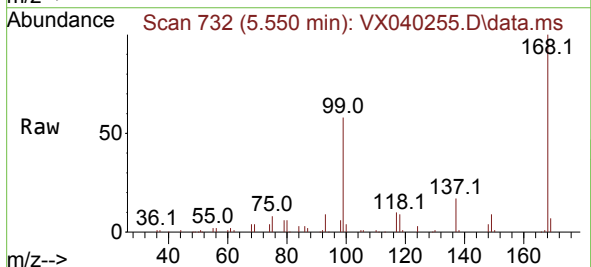
Tgt Ion: 56 Resp: 1555

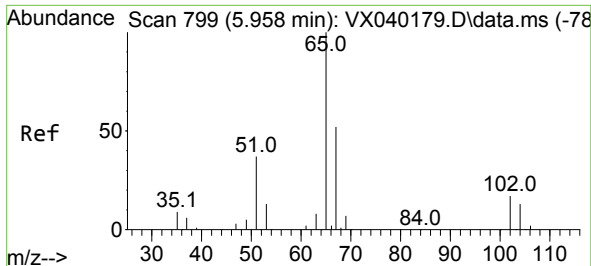
Ion Ratio Lower Upper

56 100

69 177.0 23.4 35.2#

84 134.9 65.9 98.9#

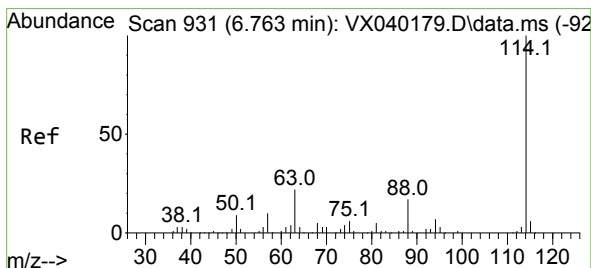
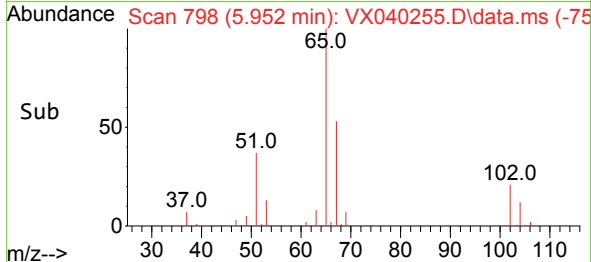
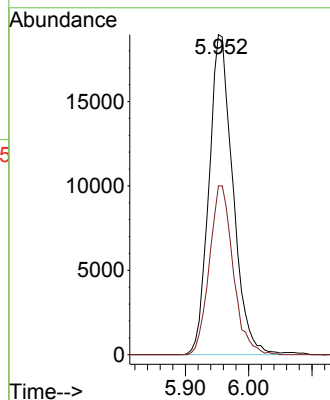
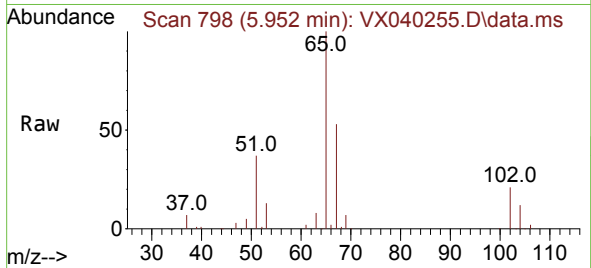




#33
1,2-Dichloroethane-d4
Concen: 45.066 ug/l
RT: 5.952 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX040255.D
Acq: 15 Feb 2024 16:22

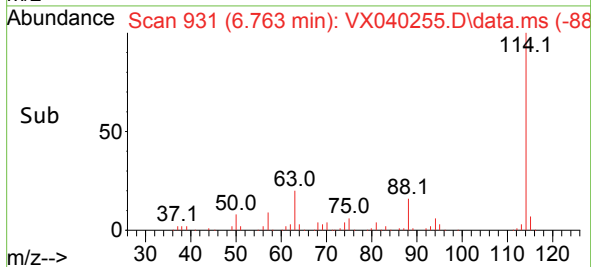
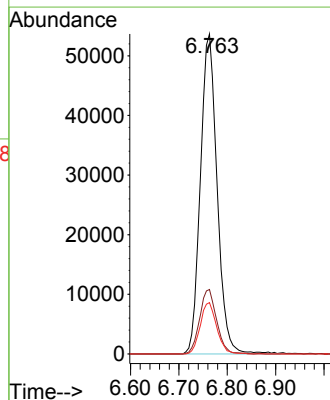
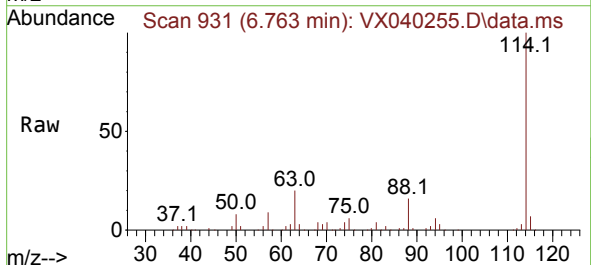
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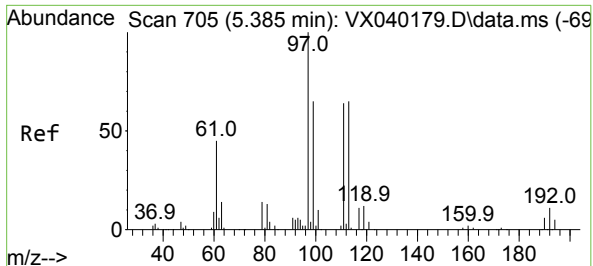
Tgt Ion: 65 Resp: 49728
Ion Ratio Lower Upper
65 100
67 52.5 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX040255.D
Acq: 15 Feb 2024 16:22

Tgt Ion: 114 Resp: 128774
Ion Ratio Lower Upper
114 100
63 20.2 0.0 45.0
88 16.1 0.0 36.6

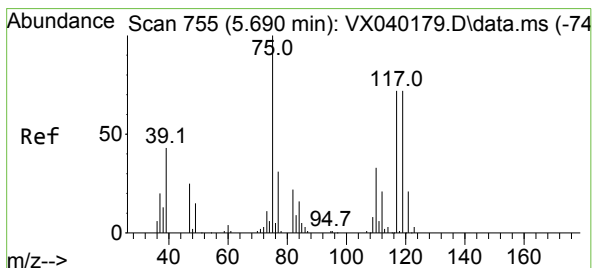
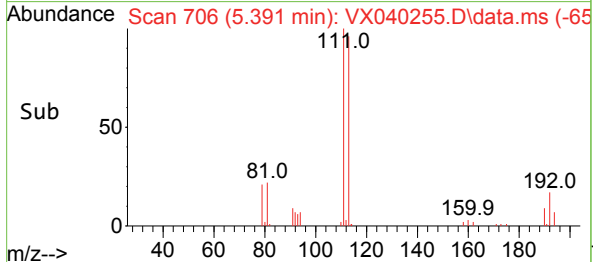
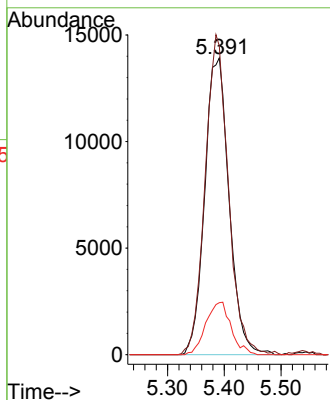
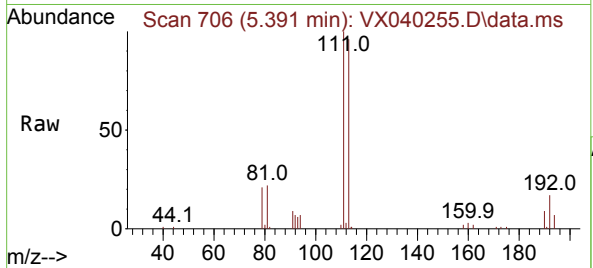




#35
Dibromofluoromethane
Concen: 46.205 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX040255.D
Acq: 15 Feb 2024 16:22

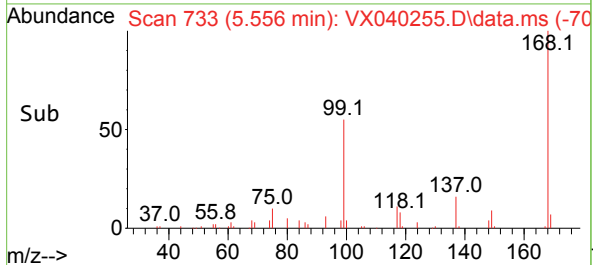
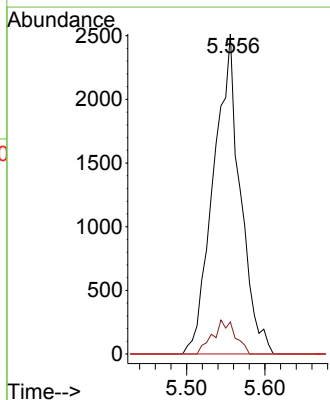
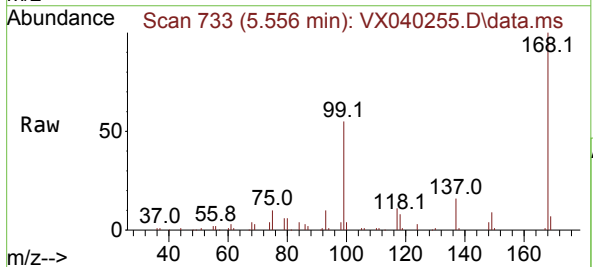
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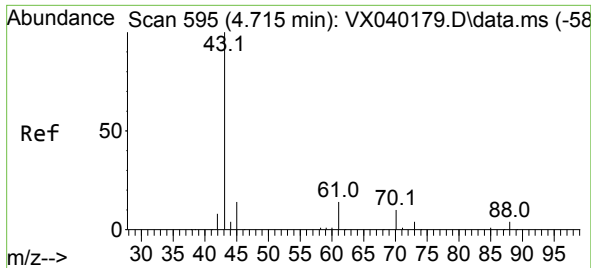
Tgt Ion:113 Resp: 41552
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 18.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.743 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX040255.D
Acq: 15 Feb 2024 16:22

Tgt Ion: 75 Resp: 5975
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.7 37.1#

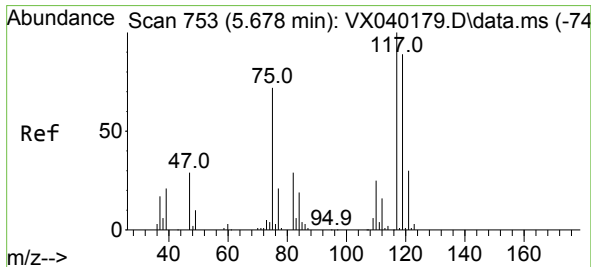
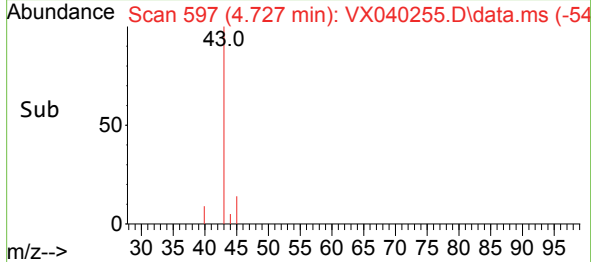
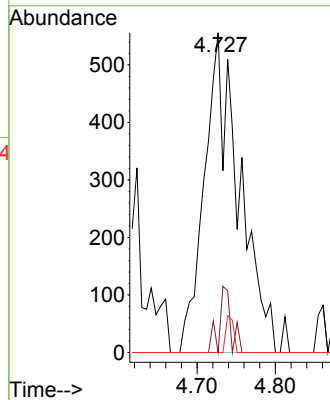
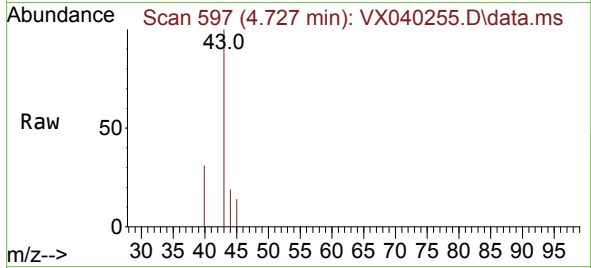




#37
Ethyl Acetate
Concen: 1.224 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.006 min
Lab File: VX040255.D
Acq: 15 Feb 2024 16:22

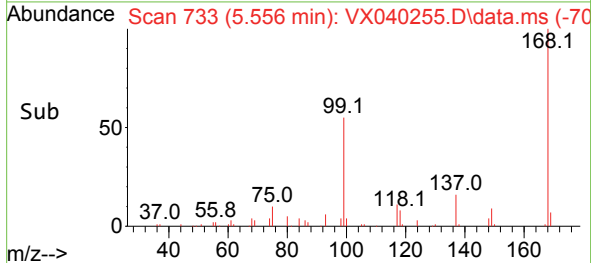
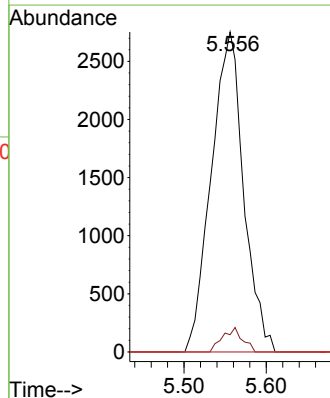
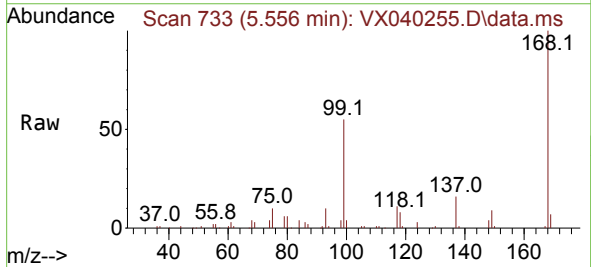
Instrument :
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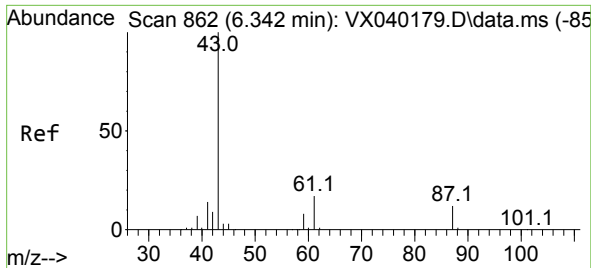
Tgt Ion:	43	Resp:	1716
Ion	Ratio	Lower	Upper
43	100		
61	7.0	10.6	16.0#
70	2.6	8.3	12.5#



#38
Carbon Tetrachloride
Concen: 6.277 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.116 min
Lab File: VX040255.D
Acq: 15 Feb 2024 16:22

Tgt Ion:	117	Resp:	7518
Ion	Ratio	Lower	Upper
117	100		
119	5.4	78.2	117.2#
121	0.0	24.4	36.6#

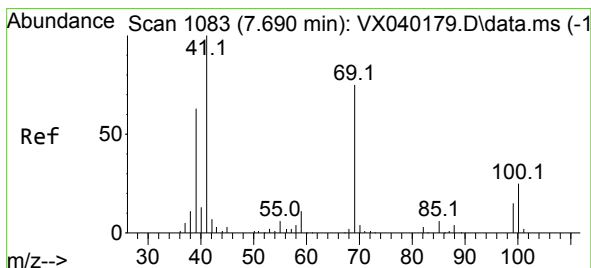
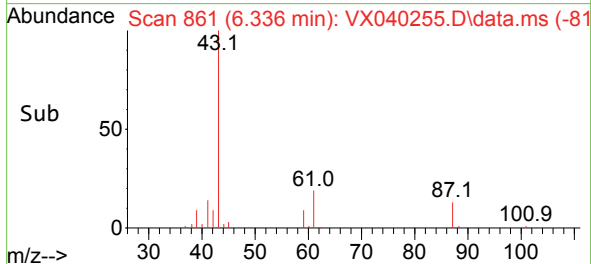
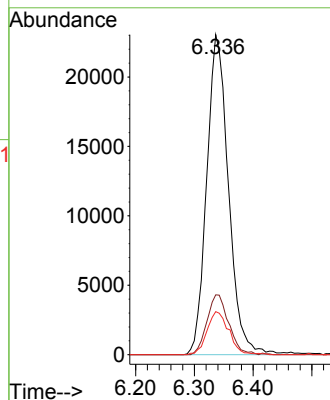
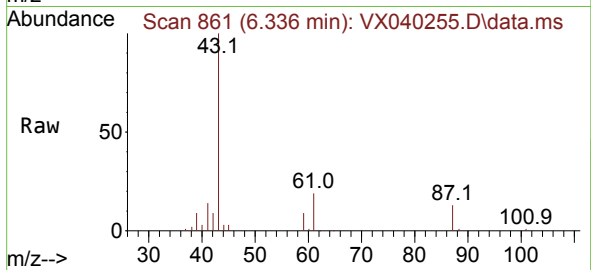




#43
Isopropyl Acetate
Concen: 27.097 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX040255.D
Acq: 15 Feb 2024 16:22

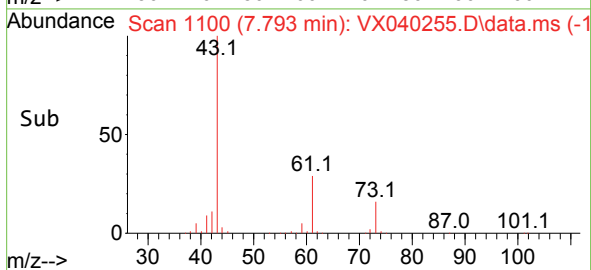
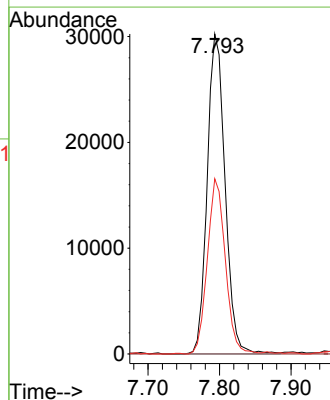
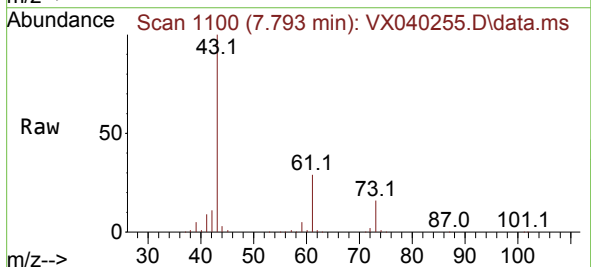
Instrument :
MSVOA_X
ClientSampleId :
PB159010ZHE#02

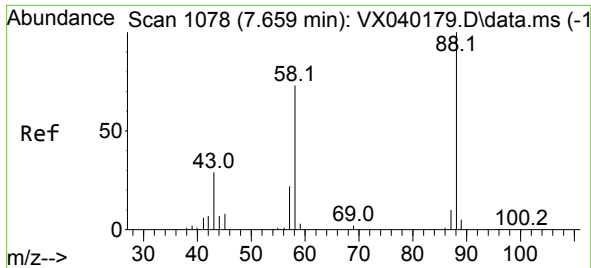
Tgt Ion: 43 Resp: 59293
Ion Ratio Lower Upper
43 100
61 18.6 15.2 22.8
87 13.5 9.8 14.6



#48
Methyl methacrylate
Concen: 46.846 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.098 min
Lab File: VX040255.D
Acq: 15 Feb 2024 16:22

Tgt Ion: 41 Resp: 52451
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 55.1 47.7 71.5

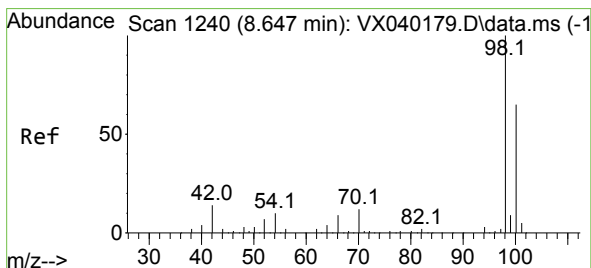
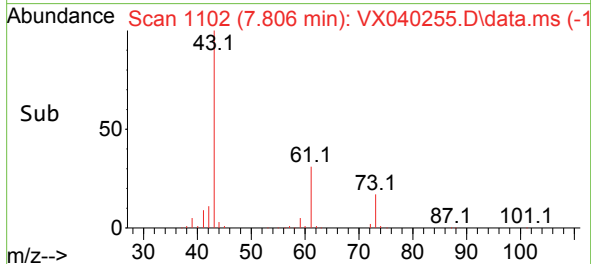
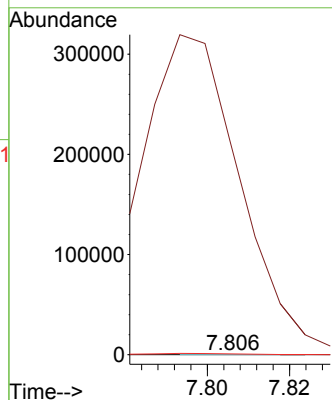
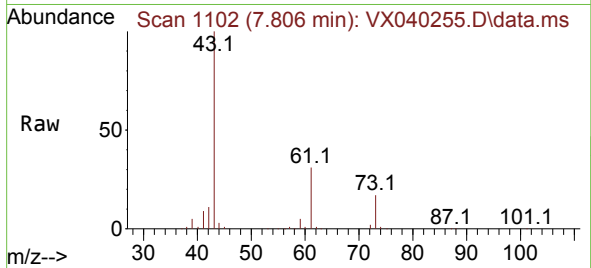




#49
1,4-Dioxane
Concen: 0.862 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.146 min
Lab File: VX040255.D
Acq: 15 Feb 2024 16:22

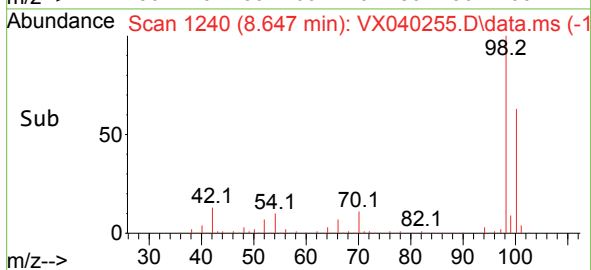
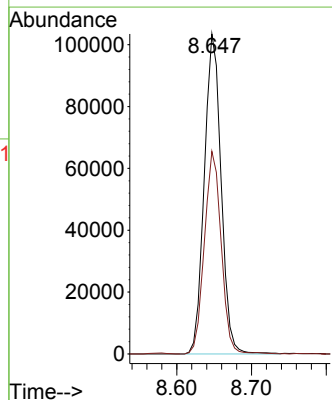
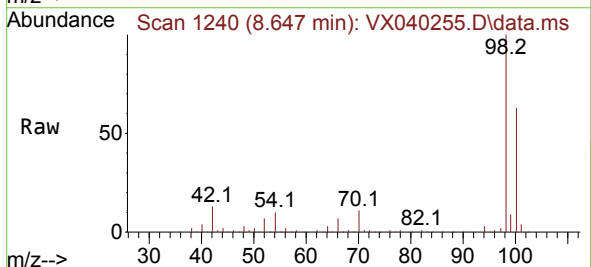
Instrument :
MSVOA_X
ClientSampleId :
PB159010ZHE#02

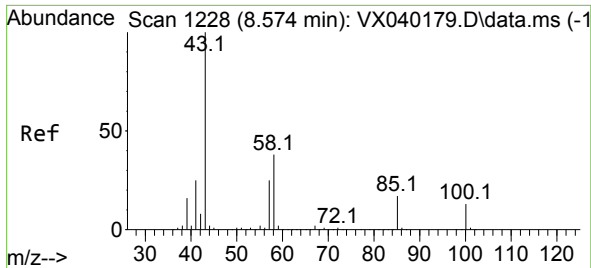
Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 2654938.1 0.0 0.0#
58 10200.0 60.1 90.1#



#50
Toluene-d8
Concen: 48.087 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX040255.D
Acq: 15 Feb 2024 16:22

Tgt Ion: 98 Resp: 161764
Ion Ratio Lower Upper
98 100
100 63.3 53.1 79.7

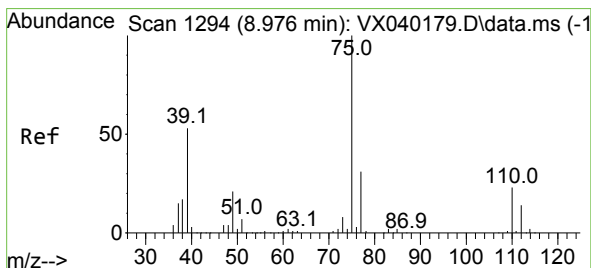
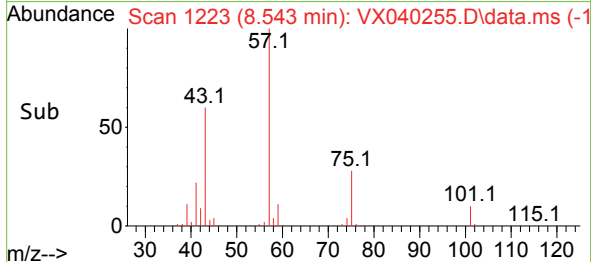
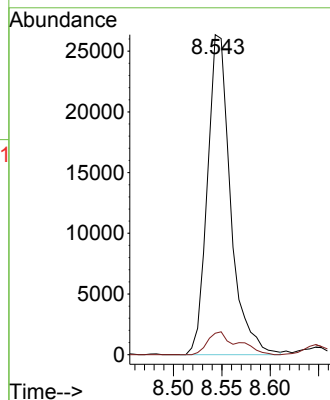
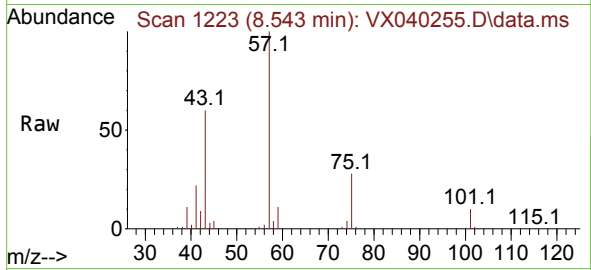




#51
4-Methyl-2-Pentanone
Concen: 29.377 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX040255.D
Acq: 15 Feb 2024 16:22

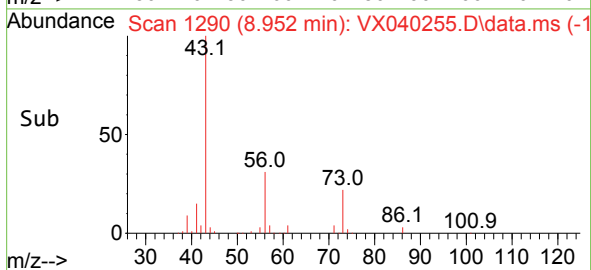
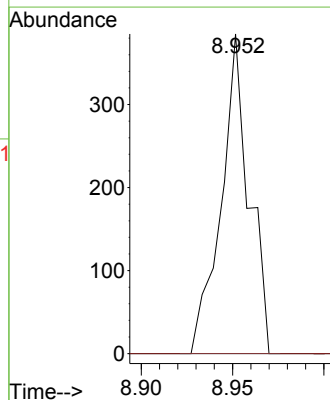
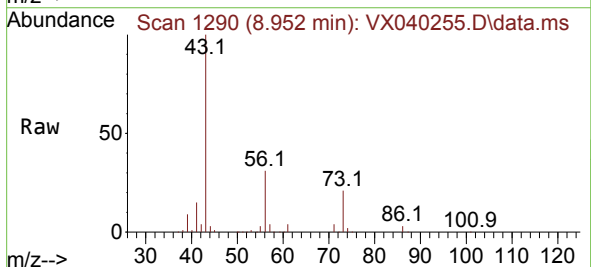
Instrument :
MSVOA_X
ClientSampleId :
PB159010ZHE#02

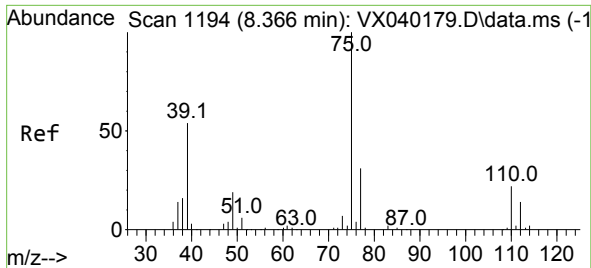
Tgt Ion: 43 Resp: 43887
Ion Ratio Lower Upper
43 100
58 9.3 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 2.209 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX040255.D
Acq: 15 Feb 2024 16:22

Tgt Ion: 75 Resp: 409
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

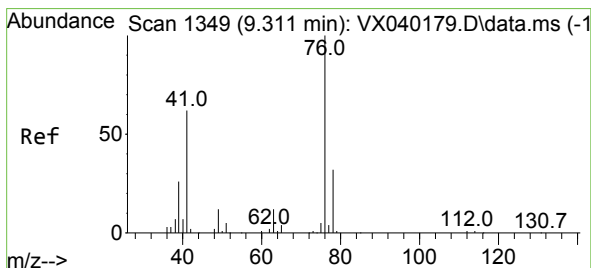
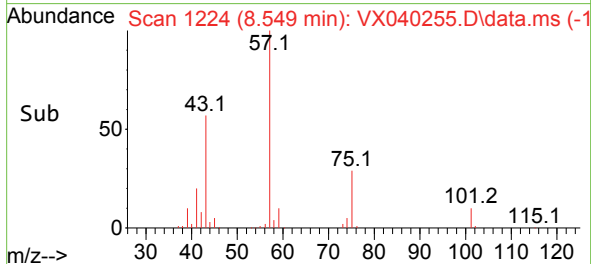
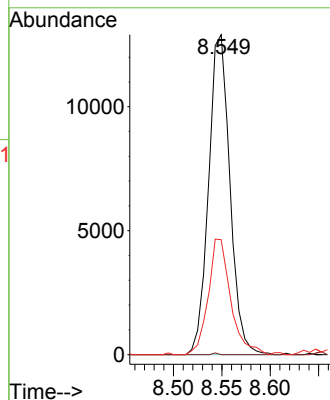
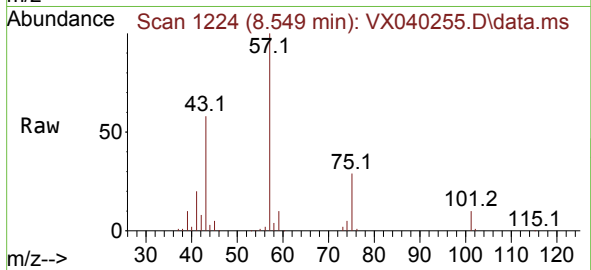




#54
 cis-1,3-Dichloropropene
 Concen: 13.588 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX040255.D
 Acq: 15 Feb 2024 16:22

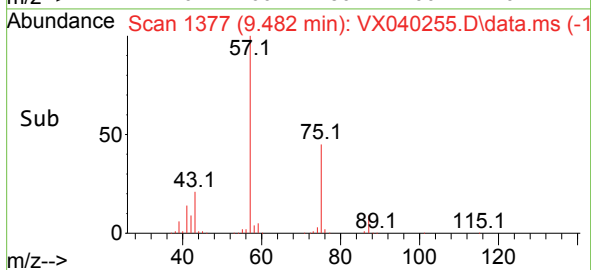
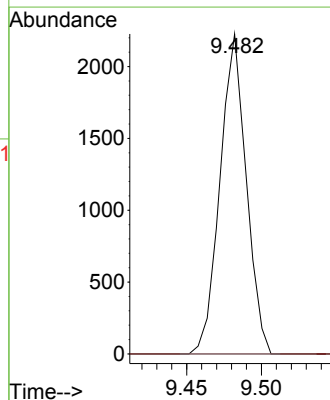
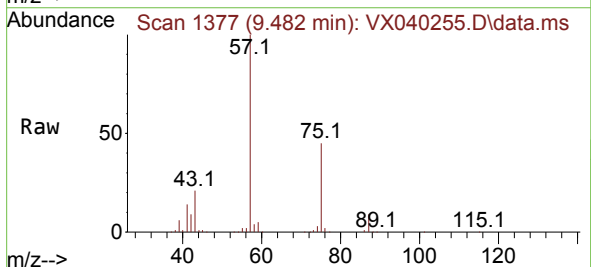
Instrument :
 MSVOA_X
 ClientSampleId :
 PB159010ZHE#02

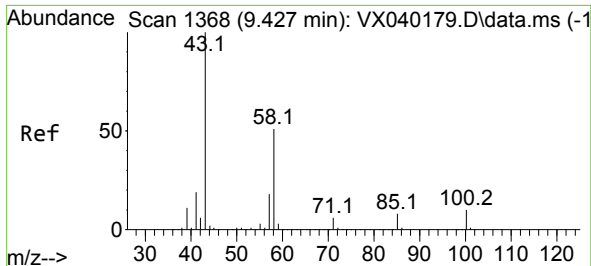
Tgt Ion: 75 Resp: 19815
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 36.0 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.691 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX040255.D
 Acq: 15 Feb 2024 16:22

Tgt Ion: 76 Resp: 2716
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

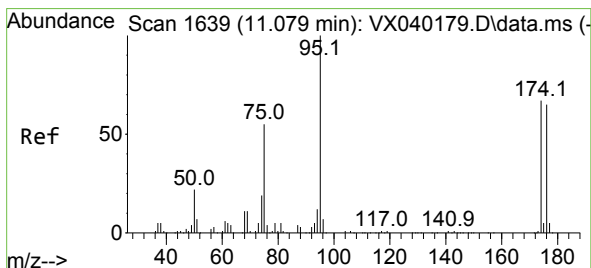
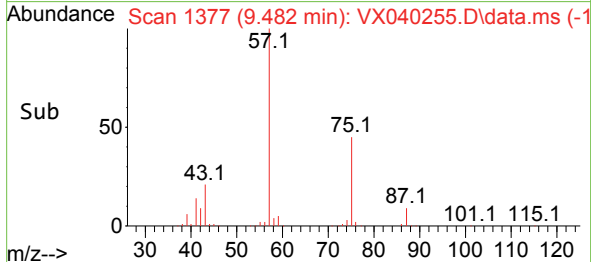
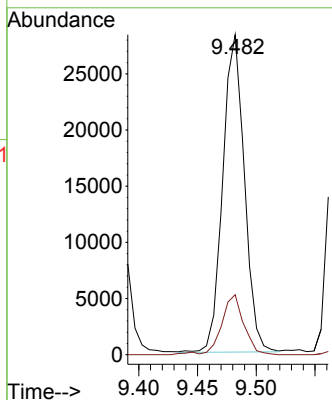
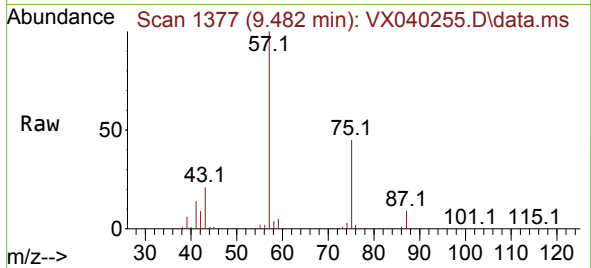




#59
2-Hexanone
Concen: 30.574 ug/l
RT: 9.482 min Scan# 1133
Delta R.T. 0.055 min
Lab File: VX040255.D
Acq: 15 Feb 2024 16:22

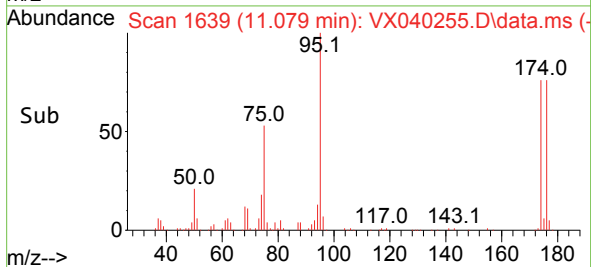
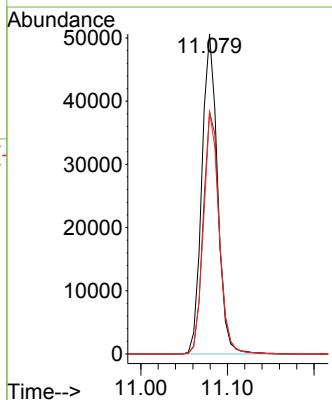
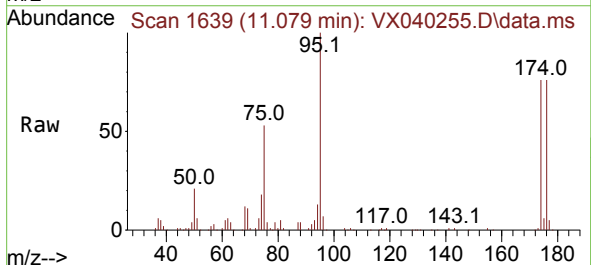
Instrument :
MSVOA_X
ClientSampleId :
PB159010ZHE#02

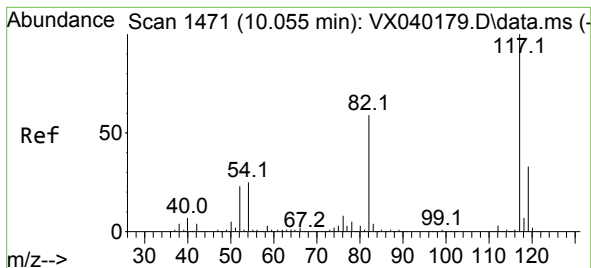
Tgt Ion: 43 Resp: 36214
Ion Ratio Lower Upper
43 100
58 19.4 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 46.294 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040255.D
Acq: 15 Feb 2024 16:22

Tgt Ion: 95 Resp: 63513
Ion Ratio Lower Upper
95 100
174 77.5 0.0 135.6
176 75.4 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: VX040255.D

Acq: 15 Feb 2024 16:22

Instrument :

MSVOA_X

ClientSampleId :

PB159010ZHE#02

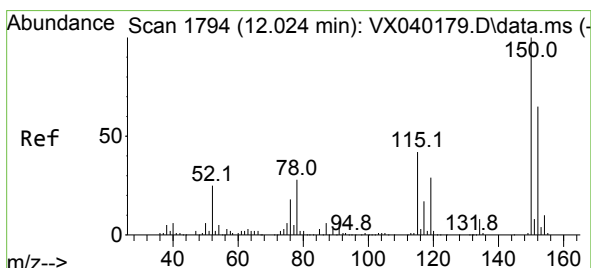
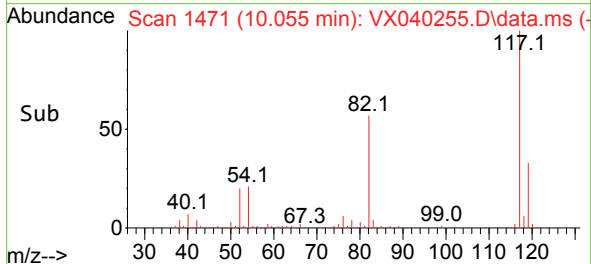
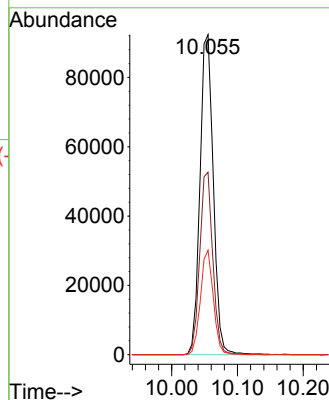
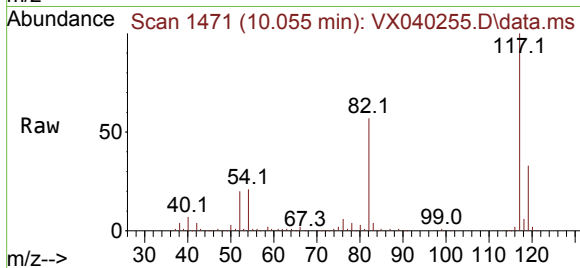
Tgt Ion:117 Resp: 130249

Ion Ratio Lower Upper

117 100

82 57.0 46.2 69.4

119 32.6 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX040255.D

Acq: 15 Feb 2024 16:22

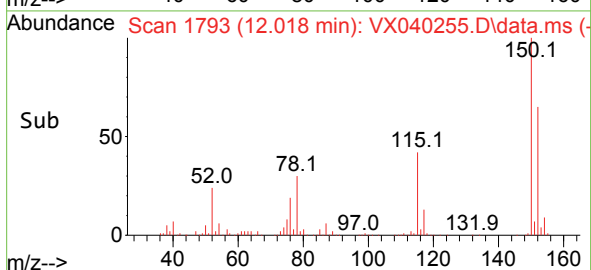
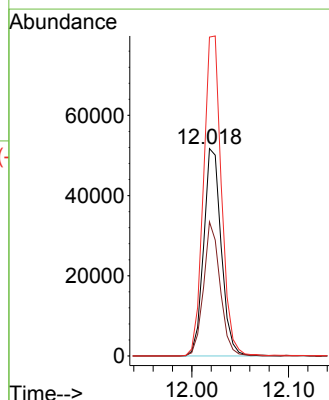
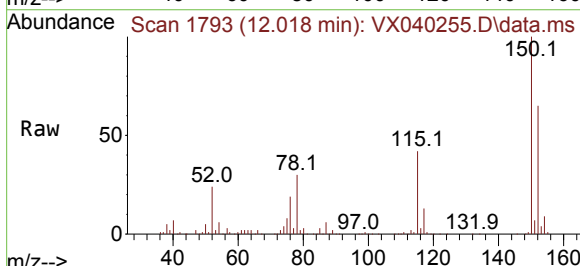
Tgt Ion:152 Resp: 65511

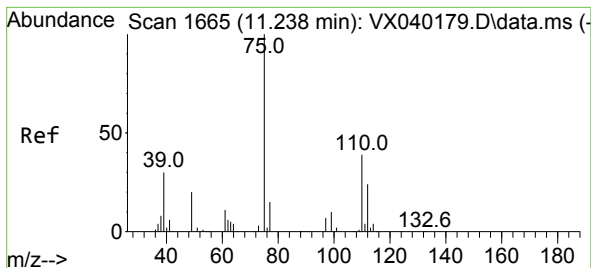
Ion Ratio Lower Upper

152 100

115 60.7 43.3 129.9

150 157.5 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.707 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX040255.D

Acq: 15 Feb 2024 16:22

Instrument :

MSVOA_X

ClientSampleId :

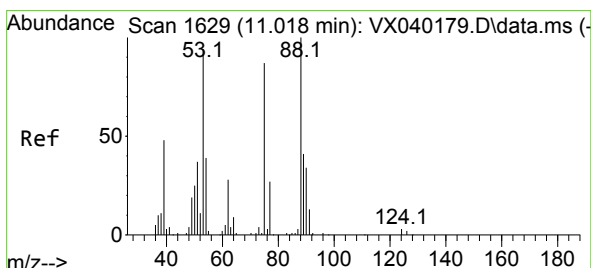
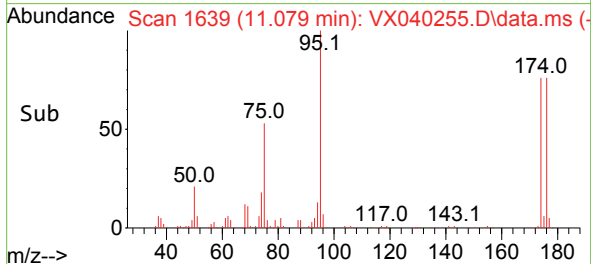
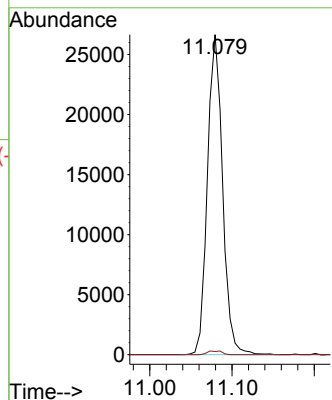
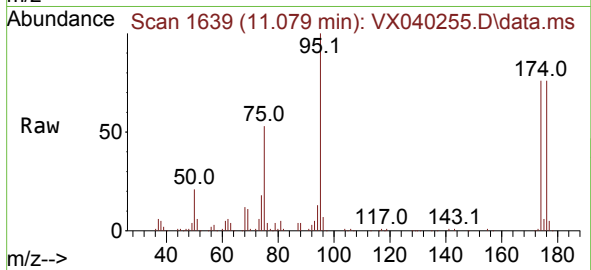
PB159010ZHE#02

Tgt Ion: 75 Resp: 34104

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.614 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040255.D

Acq: 15 Feb 2024 16:22

Tgt Ion: 75 Resp: 34104

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

