

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022824\
 Data File : VX040518.D
 Acq On : 28 Feb 2024 17:58
 Operator : JC/MD
 Sample : P1615-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT172S1-20240226

Quant Time: Feb 29 03:53:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022624W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 27 05:01:33 2024
 Response via : Initial Calibration

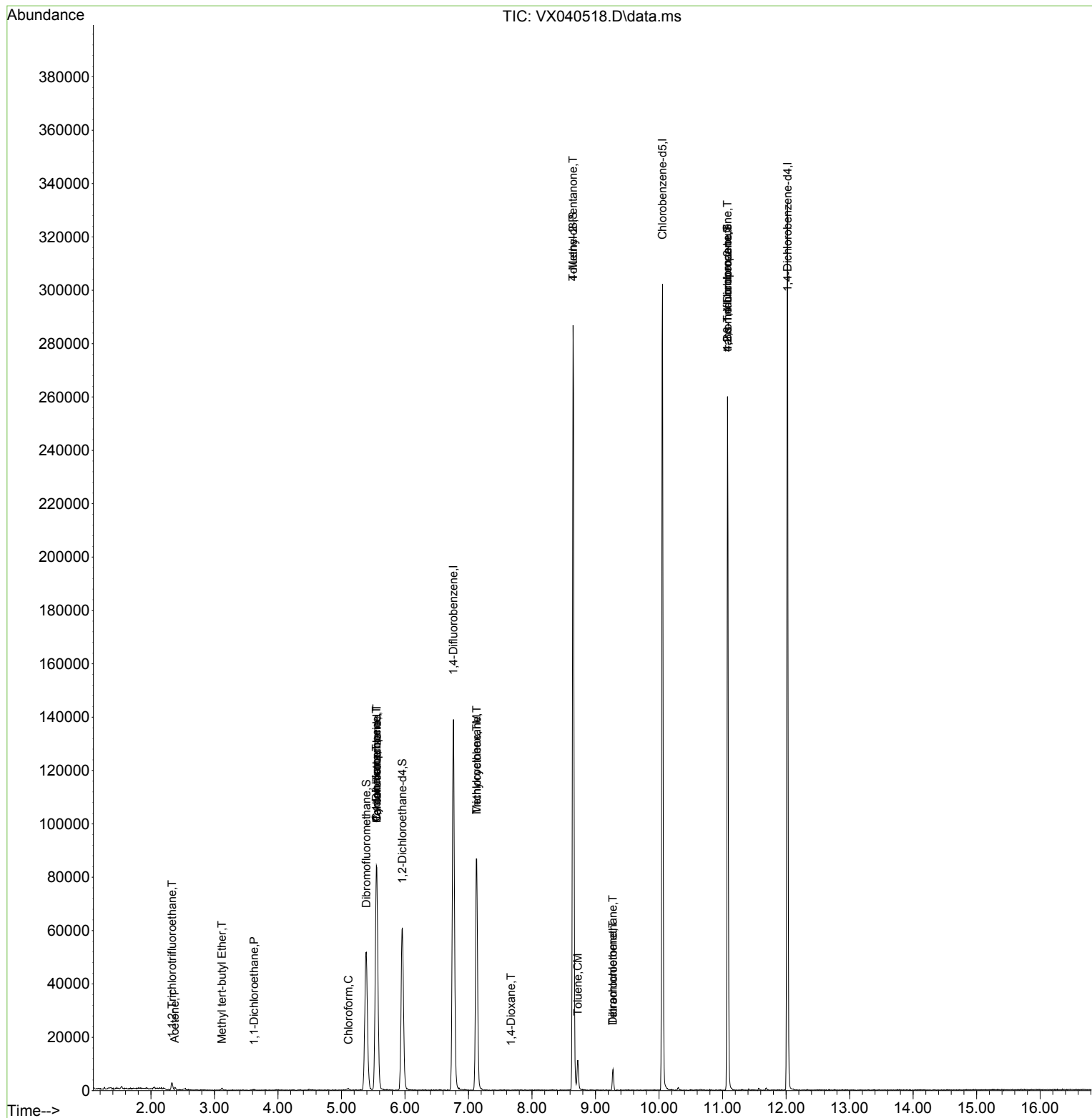
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	75380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	131584	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	129058	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	64533	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	61574	48.838	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.680%
35) Dibromofluoromethane	5.391	113	44228	48.335	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.680%
50) Toluene-d8	8.647	98	163587	49.252	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.500%
62) 4-Bromofluorobenzene	11.079	95	64994	51.334	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.660%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.331	101	990	1.157	ug/l	93
16) Acetone	2.373	43	930	2.262	ug/l #	86
19) Methyl tert-butyl Ether	3.117	73	586	0.200	ug/l	99
24) 1,1-Dichloroethane	3.623	63	602	0.342	ug/l #	83
30) Chloroform	5.111	83	795	0.425	ug/l	87
31) Cyclohexane	5.550	56	2059	1.441	ug/l #	48
36) 1,1-Dichloropropene	5.550	75	6901	4.895	ug/l #	52
38) Carbon Tetrachloride	5.556	117	8329	6.116	ug/l #	16
39) Methylcyclohexane	7.129	83	471	0.309	ug/l #	1
44) Trichloroethene	7.129	130	31967	31.142	ug/l	98
49) 1,4-Dioxane	7.671	88	89	3.888	ug/l #	12
51) 4-Methyl-2-Pentanone	8.647	43	921	0.575	ug/l #	1
52) Toluene	8.720	92	4274	1.825	ug/l	93
60) Dibromochloromethane	9.275	129	1380	1.307	ug/l #	11
64) Tetrachloroethene	9.275	164	1382	1.525	ug/l #	85
76) 1,2,3-Trichloropropane	11.079	75	37679	26.530	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	37679	77.095	ug/l #	5

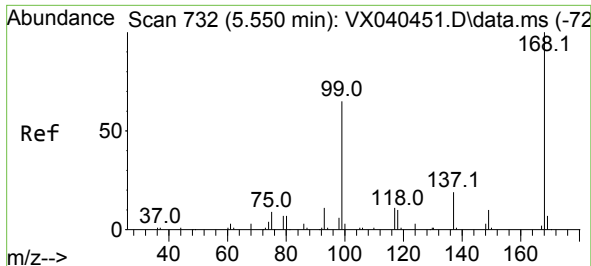
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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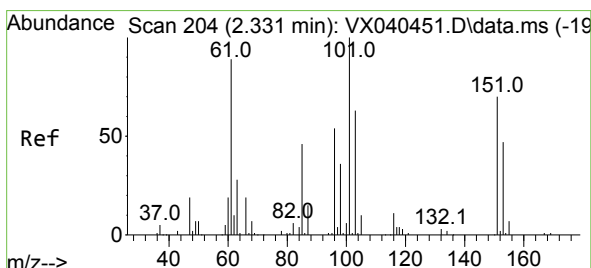
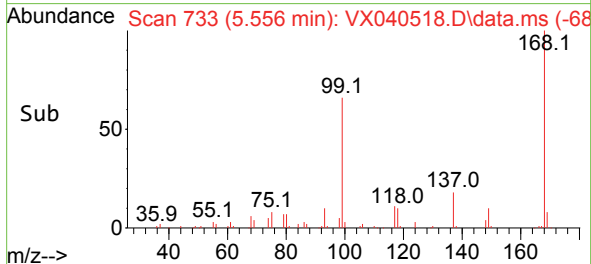
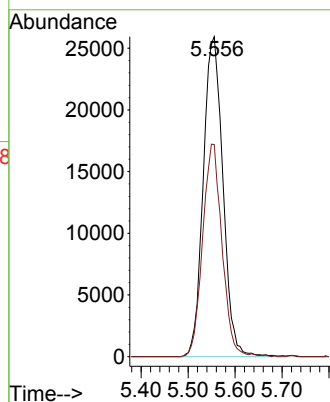
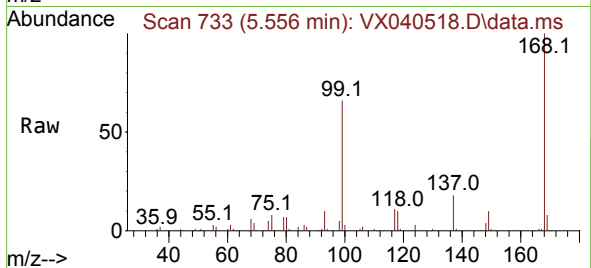




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040518.D
Acq: 28 Feb 2024 17:58

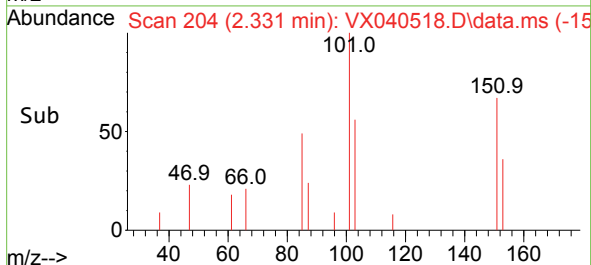
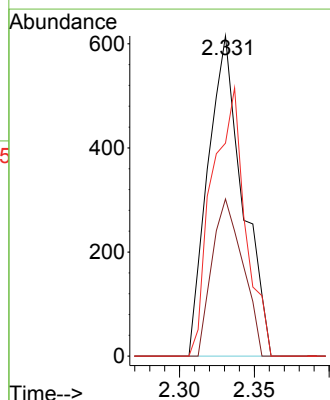
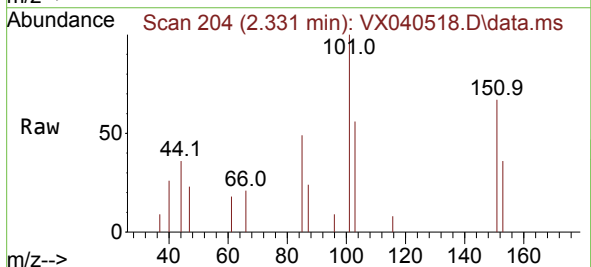
Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20240226

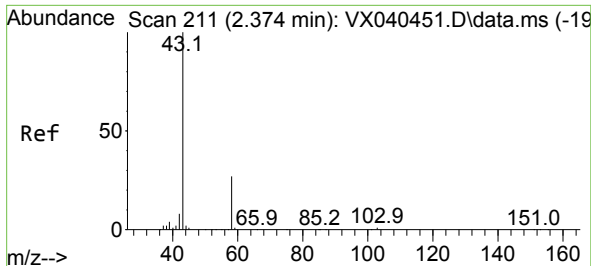
Tgt Ion:168 Resp: 75380
Ion Ratio Lower Upper
168 100
99 66.3 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.157 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX040518.D
Acq: 28 Feb 2024 17:58

Tgt Ion:101 Resp: 990
Ion Ratio Lower Upper
101 100
85 43.6 37.0 55.6
151 80.9 58.6 87.8

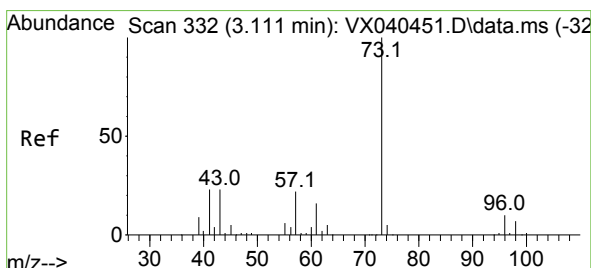
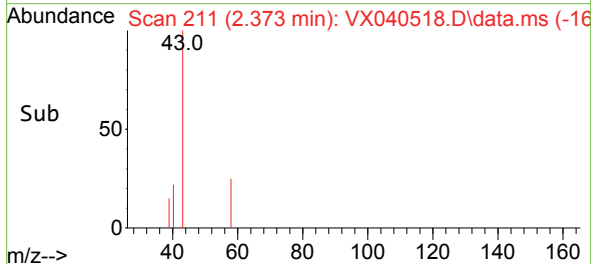
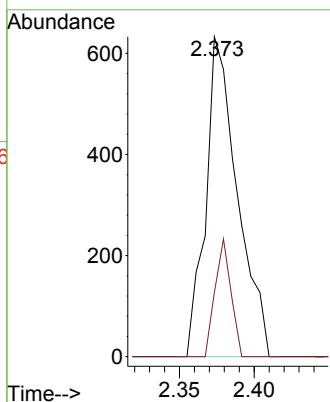
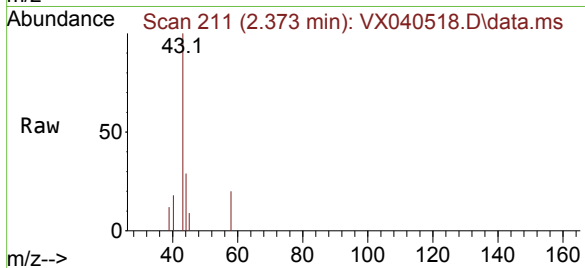




#16
Acetone
Concen: 2.262 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX040518.D
Acq: 28 Feb 2024 17:58

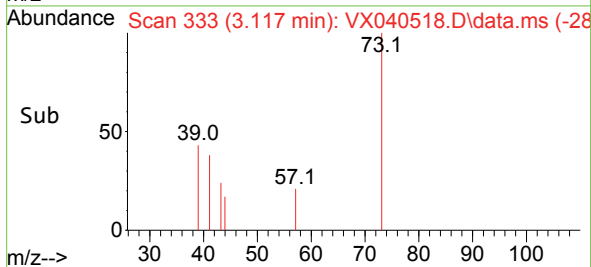
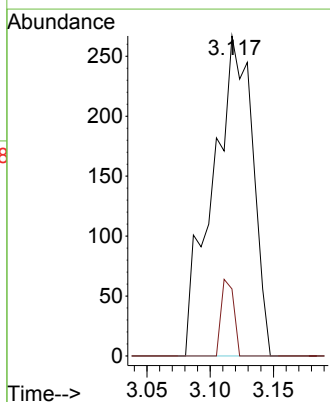
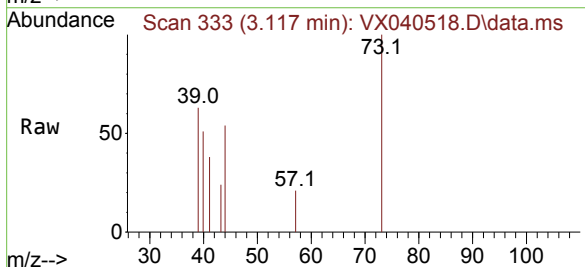
Instrument :
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ClientSampleId :
TT172S1-20240226

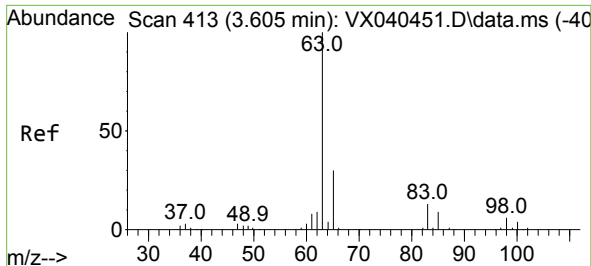
Tgt Ion: 43 Resp: 930
Ion Ratio Lower Upper
43 100
58 20.1 21.9 32.9#



#19
Methyl tert-butyl Ether
Concen: 0.200 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX040518.D
Acq: 28 Feb 2024 17:58

Tgt Ion: 73 Resp: 586
Ion Ratio Lower Upper
73 100
57 21.0 17.3 25.9

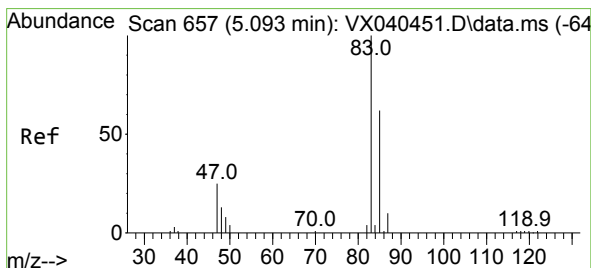
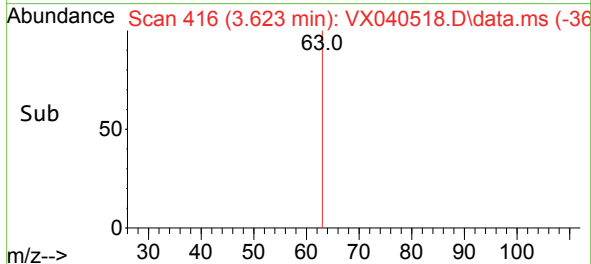
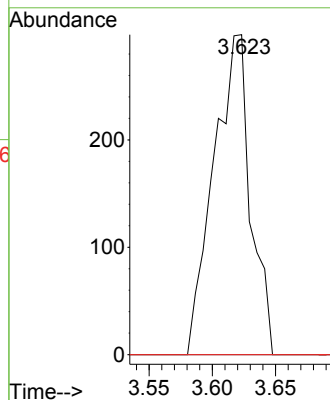
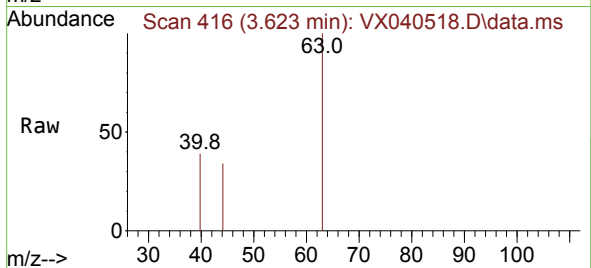




#24
1,1-Dichloroethane
Concen: 0.342 ug/l
RT: 3.623 min Scan# 41
Delta R.T. 0.018 min
Lab File: VX040518.D
Acq: 28 Feb 2024 17:58

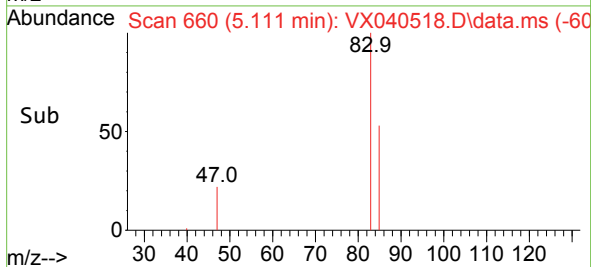
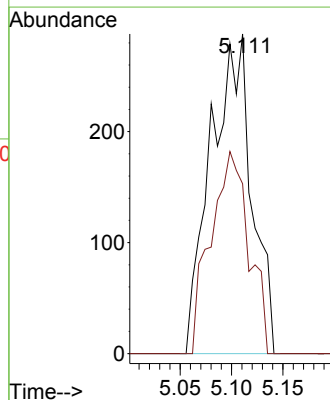
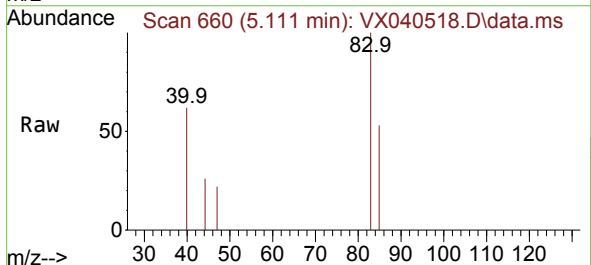
Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20240226

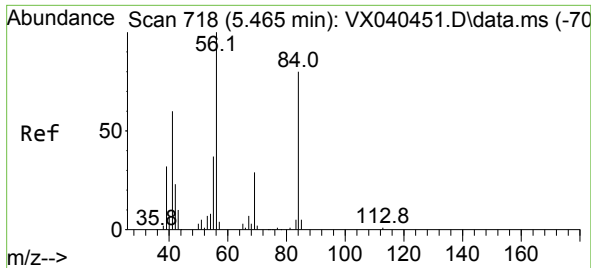
Tgt Ion: 63 Resp: 602
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.8#
100 0.0 2.1 6.5#



#30
Chloroform
Concen: 0.425 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.018 min
Lab File: VX040518.D
Acq: 28 Feb 2024 17:58

Tgt Ion: 83 Resp: 795
Ion Ratio Lower Upper
83 100
85 53.1 50.3 75.5

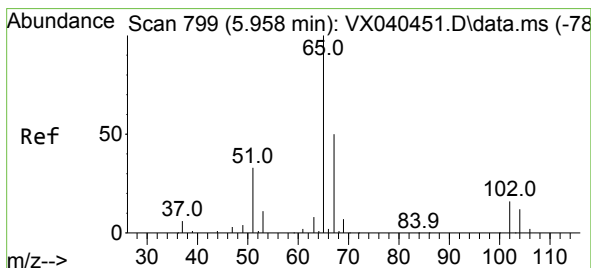
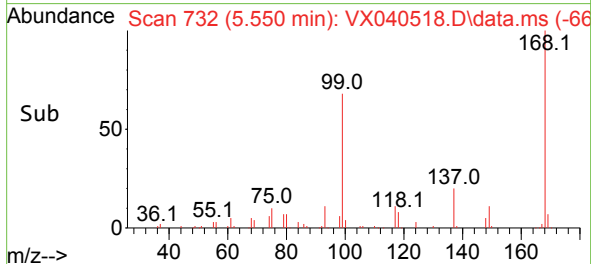
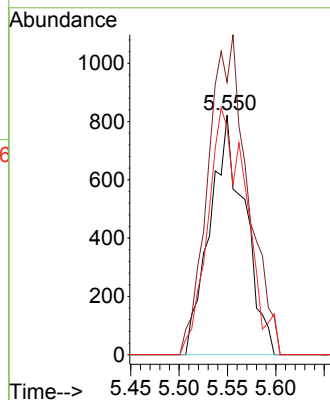
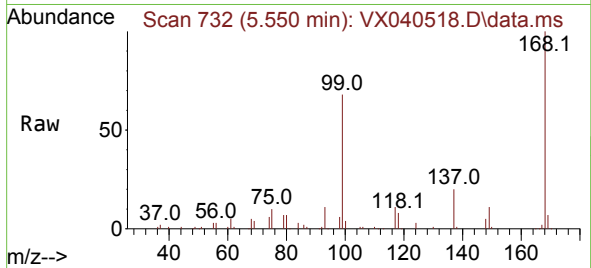




#31
Cyclohexane
Concen: 1.441 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX040518.D
Acq: 28 Feb 2024 17:58

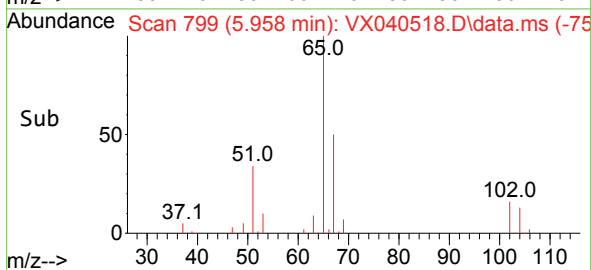
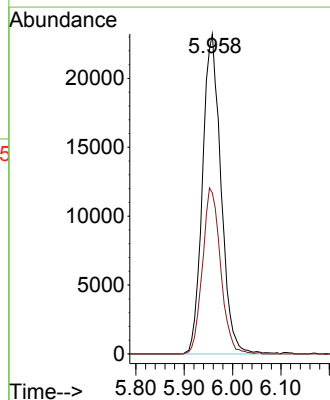
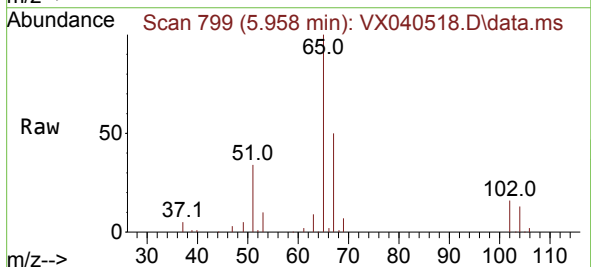
Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20240226

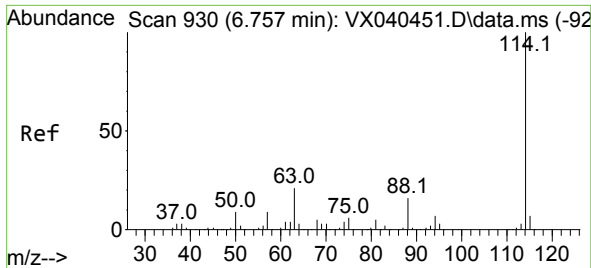
Tgt Ion: 56 Resp: 2059
Ion Ratio Lower Upper
56 100
69 113.7 23.4 35.2#
84 94.9 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 48.838 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX040518.D
Acq: 28 Feb 2024 17:58

Tgt Ion: 65 Resp: 61574
Ion Ratio Lower Upper
65 100
67 50.9 0.0 100.2

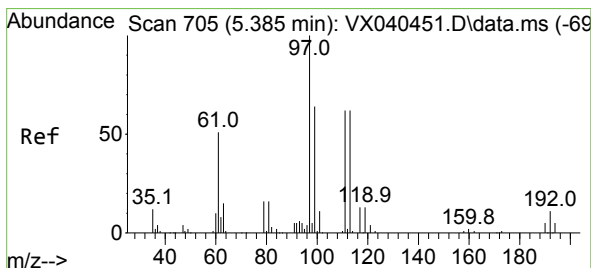
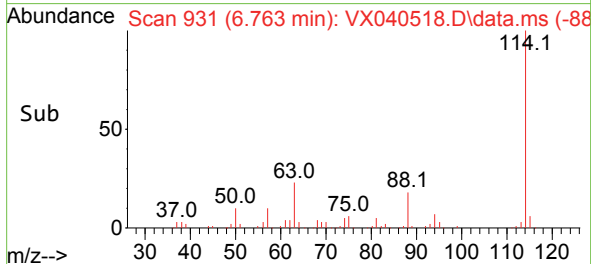
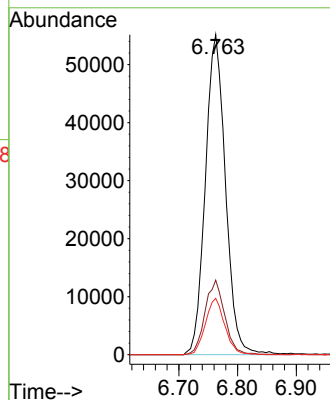
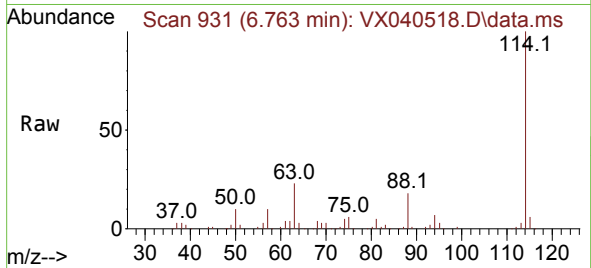




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX040518.D
Acq: 28 Feb 2024 17:58

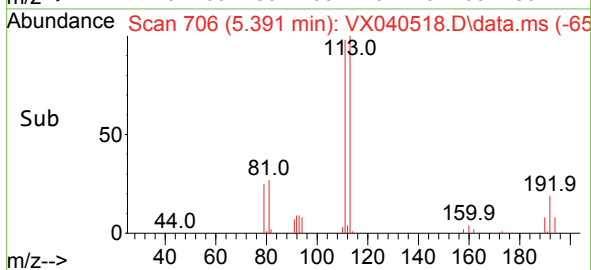
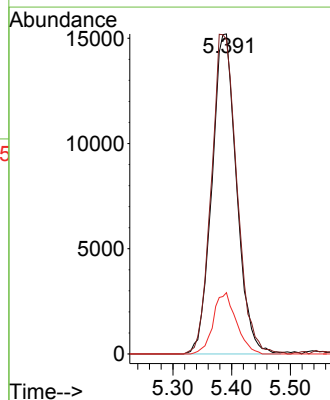
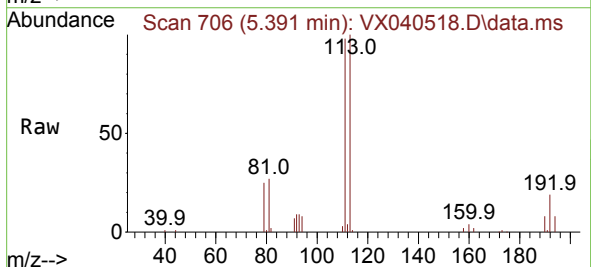
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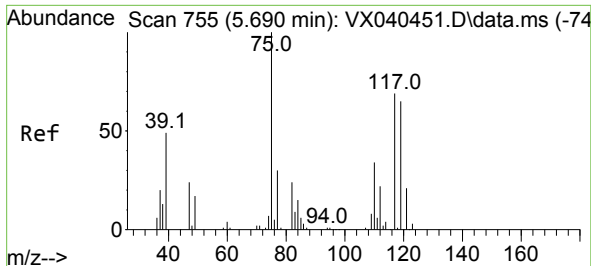
Tgt Ion:114 Resp: 131584
Ion Ratio Lower Upper
114 100
63 23.3 0.0 45.0
88 17.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.335 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX040518.D
Acq: 28 Feb 2024 17:58

Tgt Ion:113 Resp: 44228
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 17.9 13.3 19.9

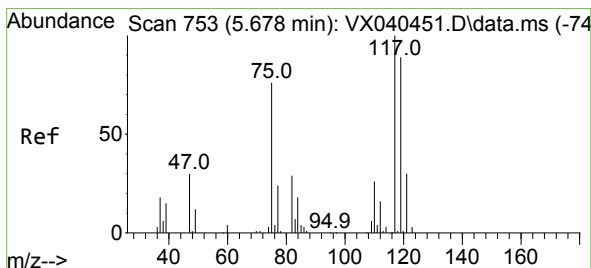
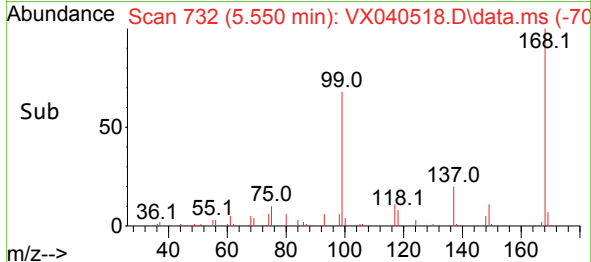
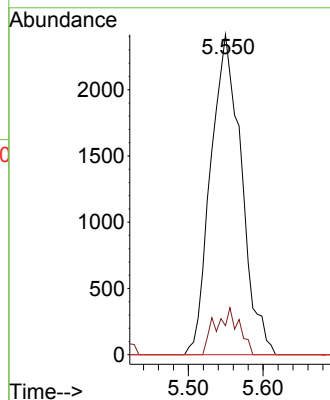
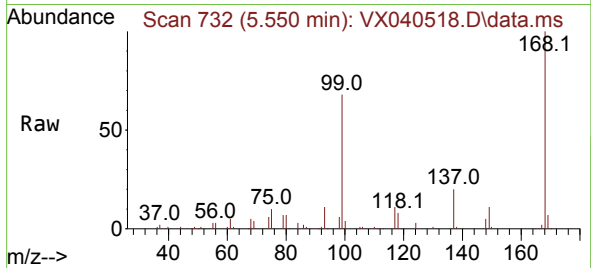




#36
1,1-Dichloropropene
Concen: 4.895 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX040518.D
Acq: 28 Feb 2024 17:58

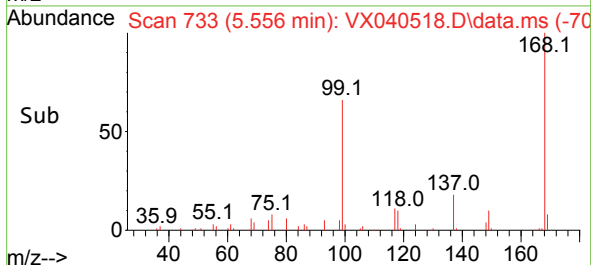
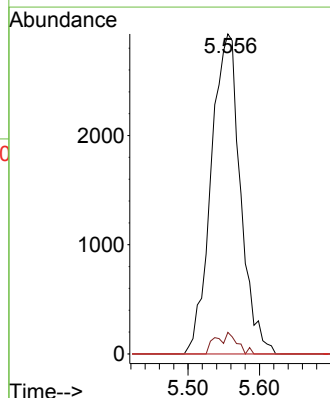
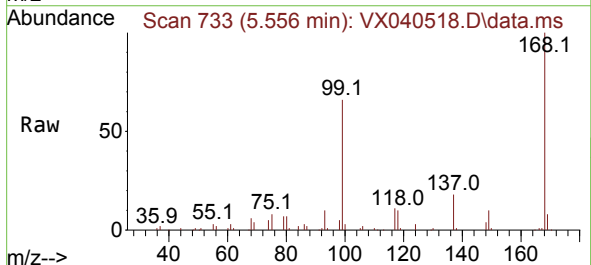
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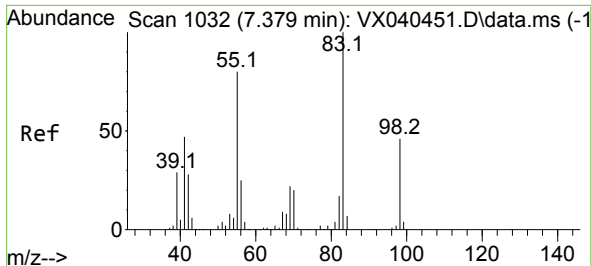
Tgt Ion: 75 Resp: 6901
Ion Ratio Lower Upper
75 100
110 11.3 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.116 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX040518.D
Acq: 28 Feb 2024 17:58

Tgt Ion: 117 Resp: 8329
Ion Ratio Lower Upper
117 100
119 6.7 78.2 117.2#
121 0.0 24.4 36.6#

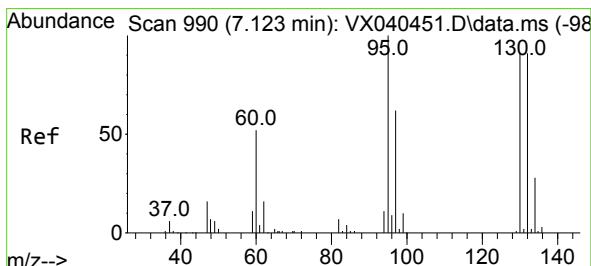
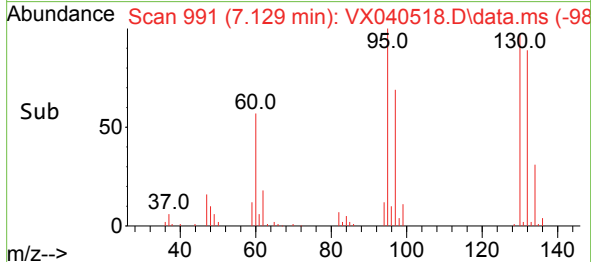
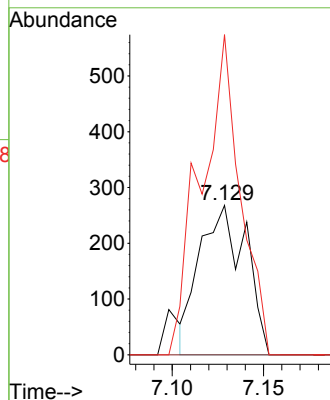
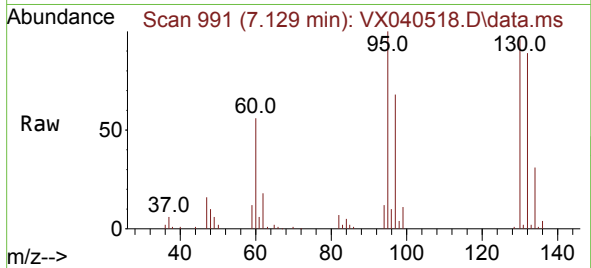




#39
Methylcyclohexane
Concen: 0.309 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.250 min
Lab File: VX040518.D
Acq: 28 Feb 2024 17:58

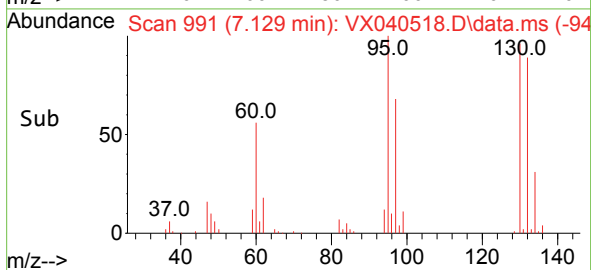
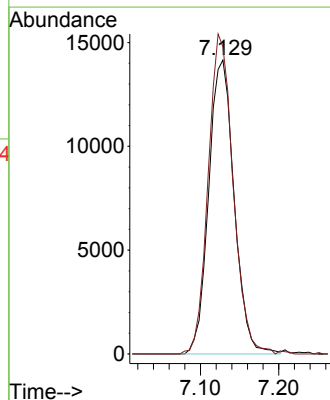
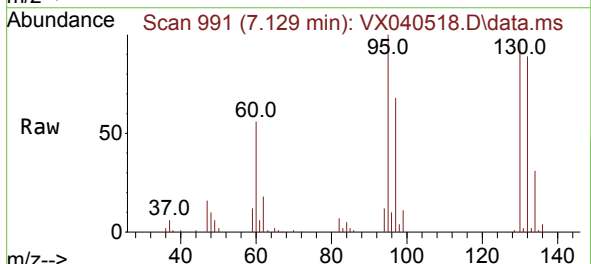
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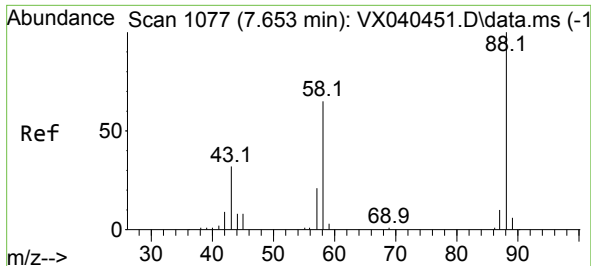
Tgt Ion: 83 Resp: 471
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 214.2 36.7 55.1#



#44
Trichloroethene
Concen: 31.142 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX040518.D
Acq: 28 Feb 2024 17:58

Tgt Ion:130 Resp: 31967
Ion Ratio Lower Upper
130 100
95 104.5 0.0 204.4





#49

1,4-Dioxane

Concen: 3.888 ug/l

RT: 7.671 min Scan# 1077

Delta R.T. 0.018 min

Lab File: VX040518.D

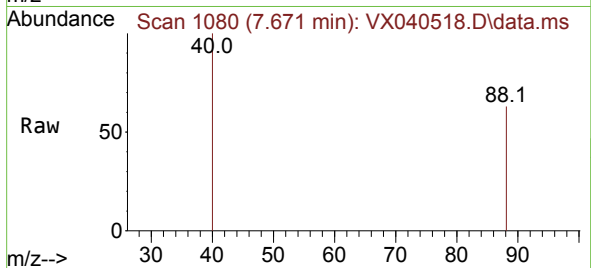
Acq: 28 Feb 2024 17:58

Instrument :

MSVOA_X

ClientSampleId :

TT172S1-20240226



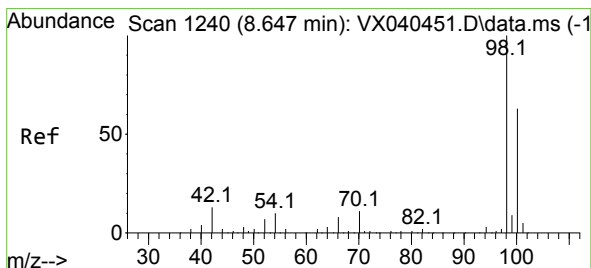
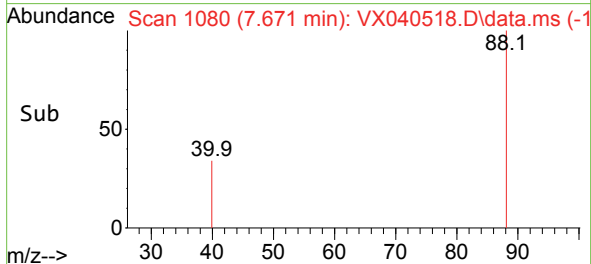
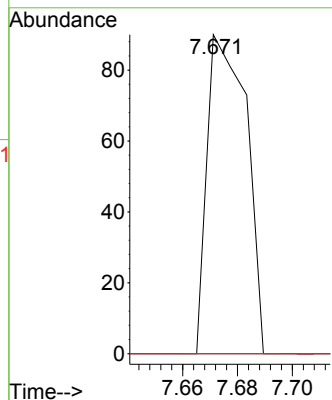
Tgt Ion: 88 Resp: 89

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 60.1 90.1#



#50

Toluene-d8

Concen: 49.252 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX040518.D

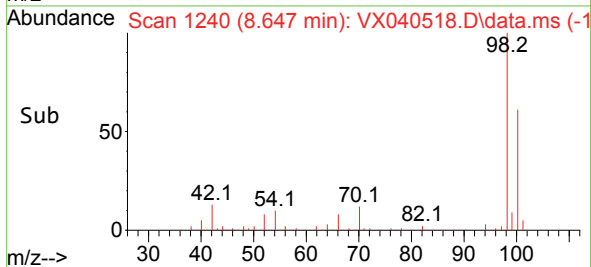
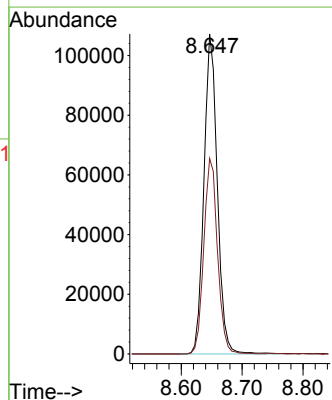
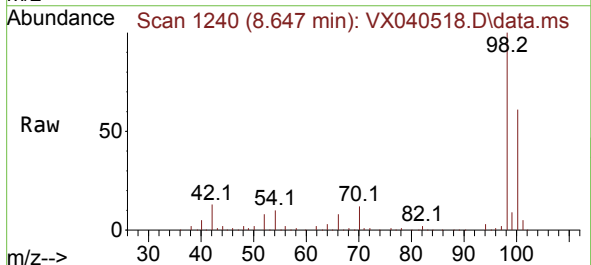
Acq: 28 Feb 2024 17:58

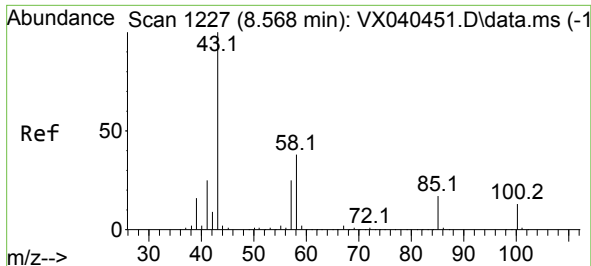
Tgt Ion: 98 Resp: 163587

Ion Ratio Lower Upper

98 100

100 62.7 53.1 79.7

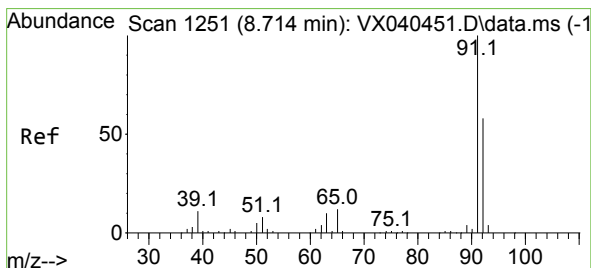
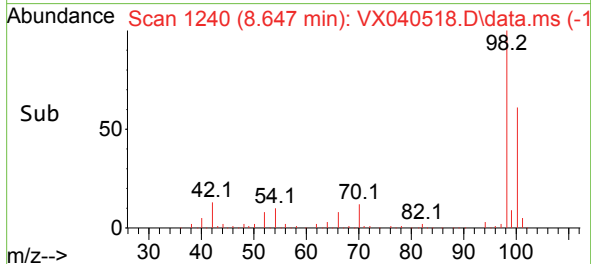
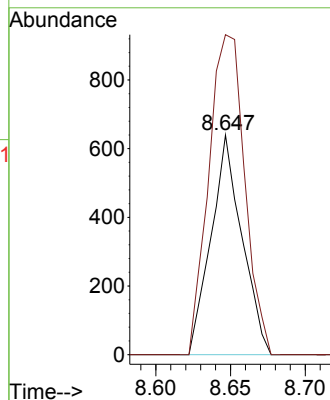
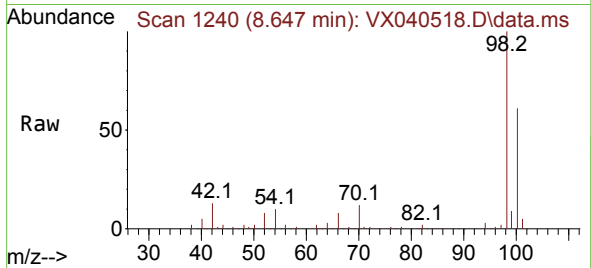




#51
4-Methyl-2-Pentanone
Concen: 0.575 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX040518.D
Acq: 28 Feb 2024 17:58

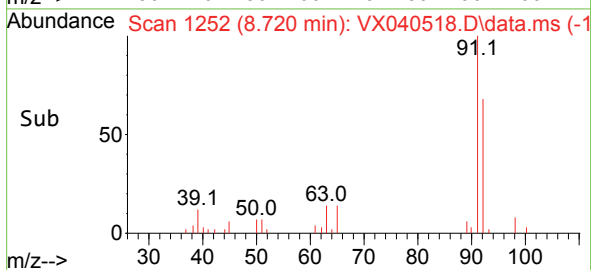
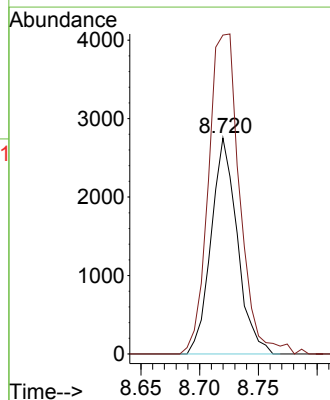
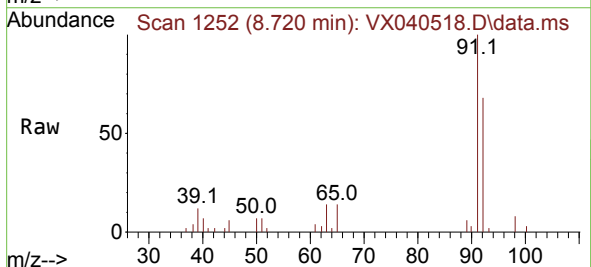
Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20240226

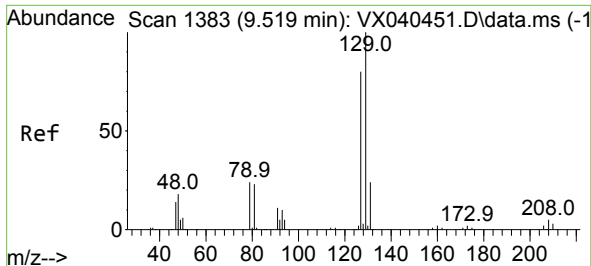
Tgt Ion: 43 Resp: 921
Ion Ratio Lower Upper
43 100
58 169.5 30.4 45.6#



#52
Toluene
Concen: 1.825 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX040518.D
Acq: 28 Feb 2024 17:58

Tgt Ion: 92 Resp: 4274
Ion Ratio Lower Upper
92 100
91 177.2 134.2 201.2

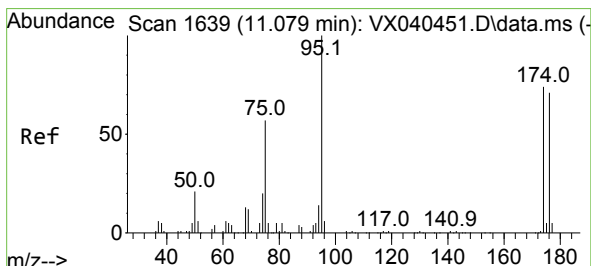
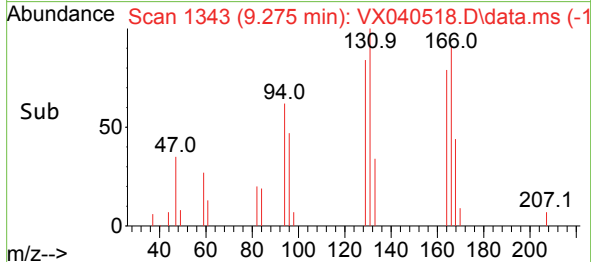
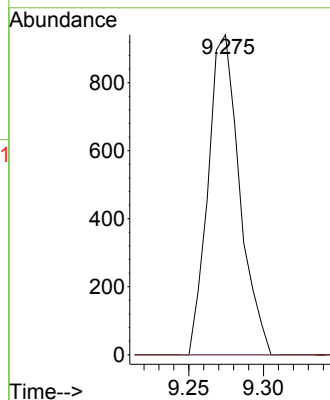
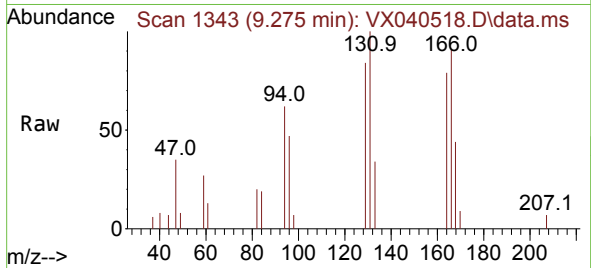




#60
Dibromochloromethane
Concen: 1.307 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX040518.D
Acq: 28 Feb 2024 17:58

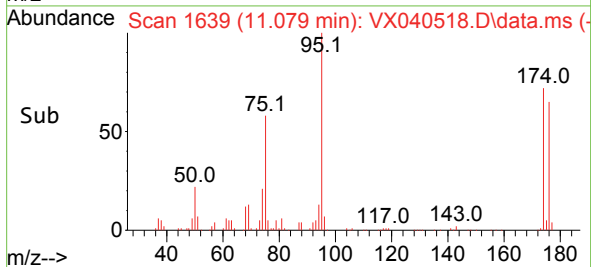
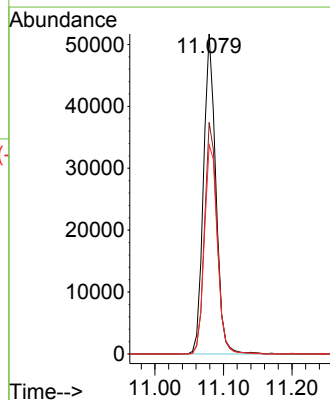
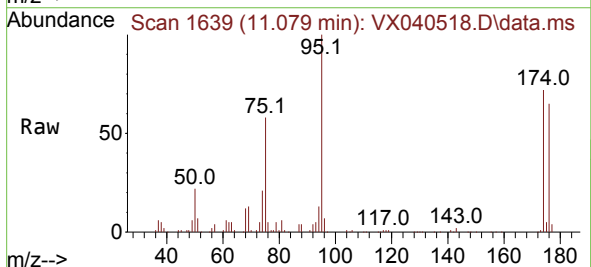
Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20240226

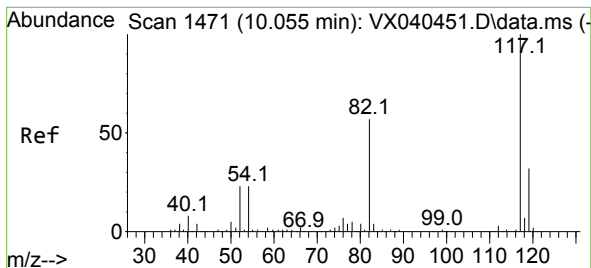
Tgt Ion:129 Resp: 1380
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 51.334 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040518.D
Acq: 28 Feb 2024 17:58

Tgt Ion: 95 Resp: 64994
Ion Ratio Lower Upper
95 100
174 73.6 0.0 135.6
176 69.1 0.0 131.0

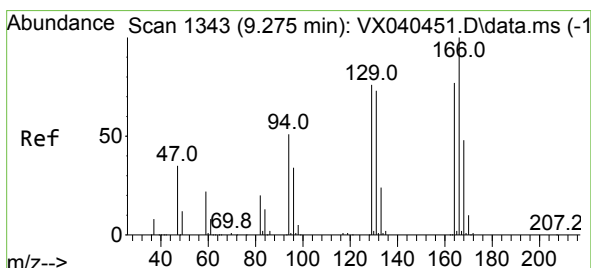
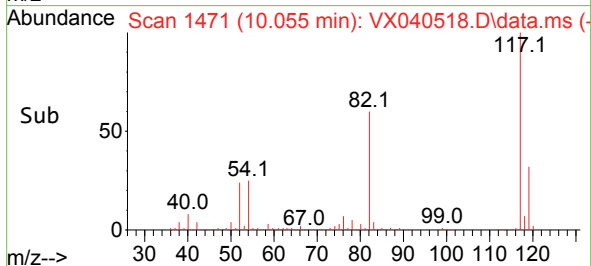
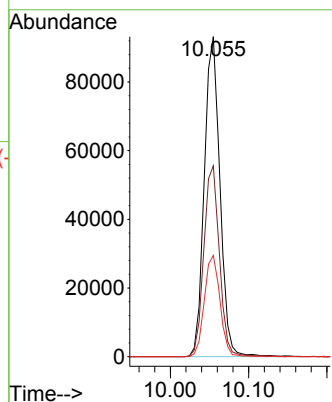
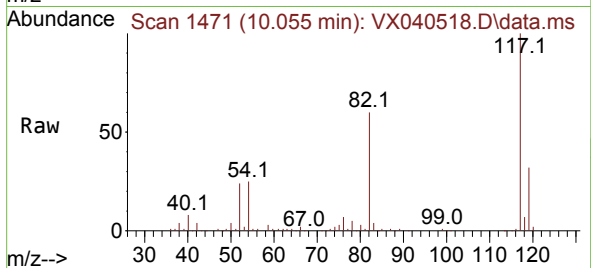




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040518.D
Acq: 28 Feb 2024 17:58

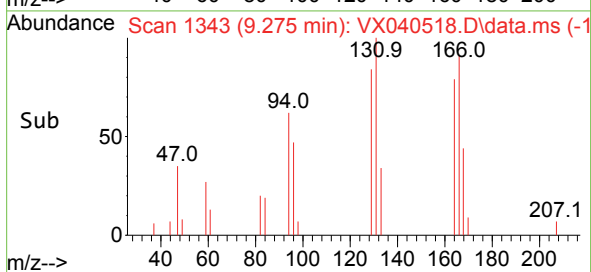
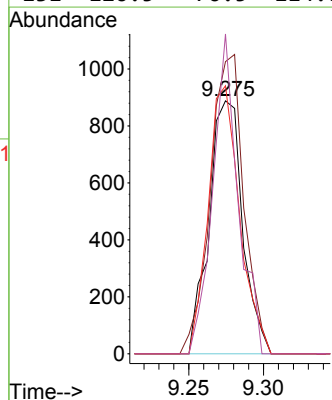
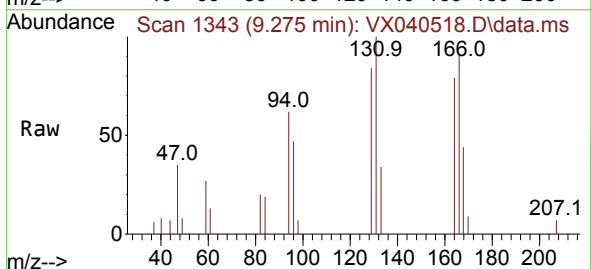
Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20240226

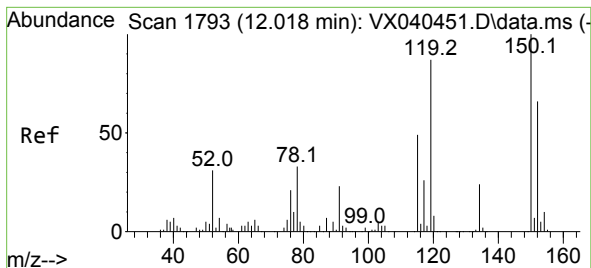
Tgt Ion:117 Resp: 129058
Ion Ratio Lower Upper
117 100
82 59.6 46.2 69.4
119 31.6 25.5 38.3



#64
Tetrachloroethene
Concen: 1.525 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX040518.D
Acq: 28 Feb 2024 17:58

Tgt Ion:164 Resp: 1382
Ion Ratio Lower Upper
164 100
166 115.5 102.7 154.1
129 106.0 80.4 120.6
131 126.5 76.5 114.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX040518.D

Acq: 28 Feb 2024 17:58

Instrument :

MSVOA_X

ClientSampleId :

TT172S1-20240226

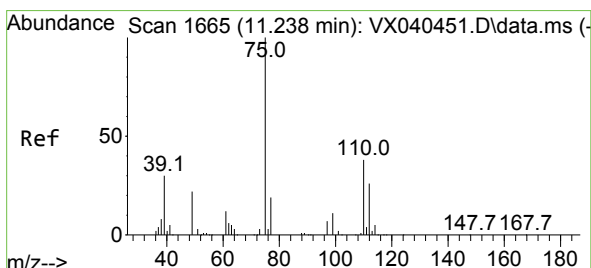
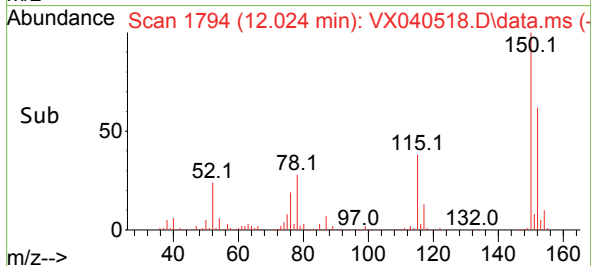
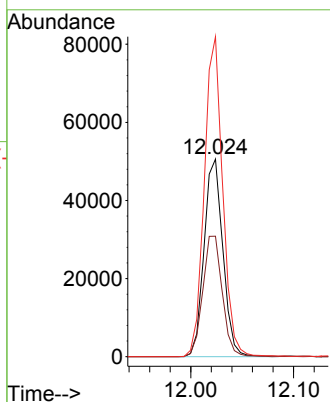
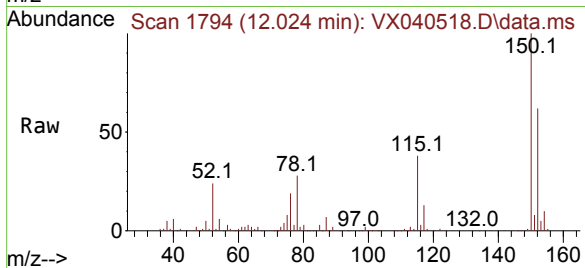
Tgt Ion:152 Resp: 64533

Ion Ratio Lower Upper

152 100

115 63.1 43.3 129.9

150 158.2 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 26.530 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040518.D

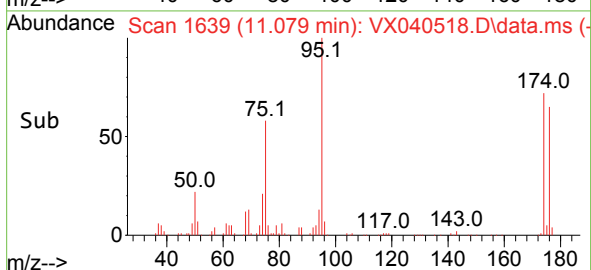
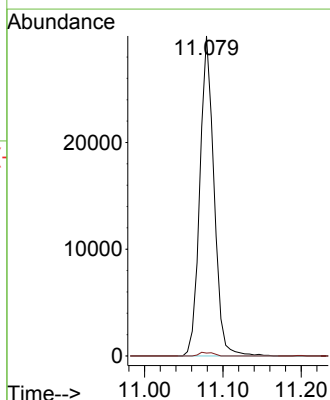
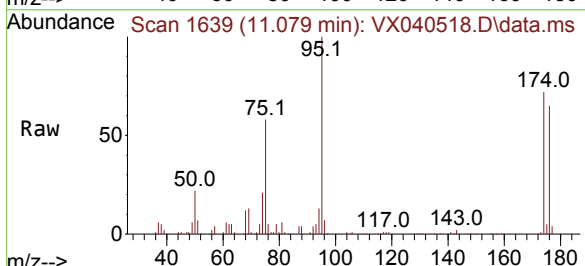
Acq: 28 Feb 2024 17:58

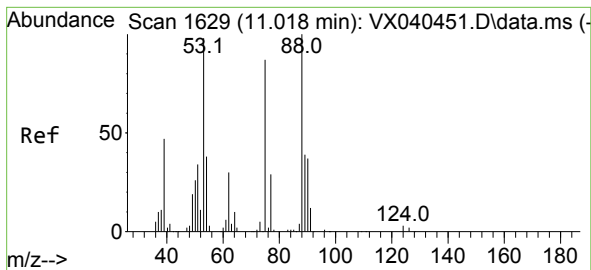
Tgt Ion: 75 Resp: 37679

Ion Ratio Lower Upper

75 100

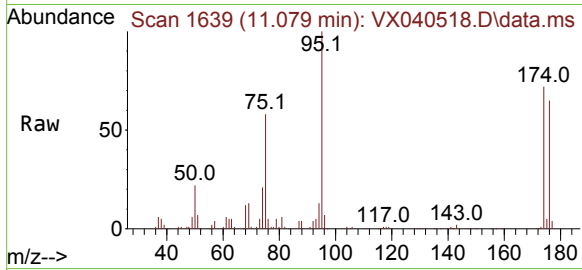
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.095 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX040518.D
 Acq: 28 Feb 2024 17:58

Instrument :
 MSVOA_X
 ClientSampleId :
 TT172S1-20240226



Tgt Ion: 75 Resp: 37679
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.1 36.9 55.3#

