

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022724\
 Data File : VX040491.D
 Acq On : 27 Feb 2024 15:50
 Operator : JC/MD
 Sample : P1578-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT161S1-20240221

Quant Time: Feb 28 02:04:32 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)

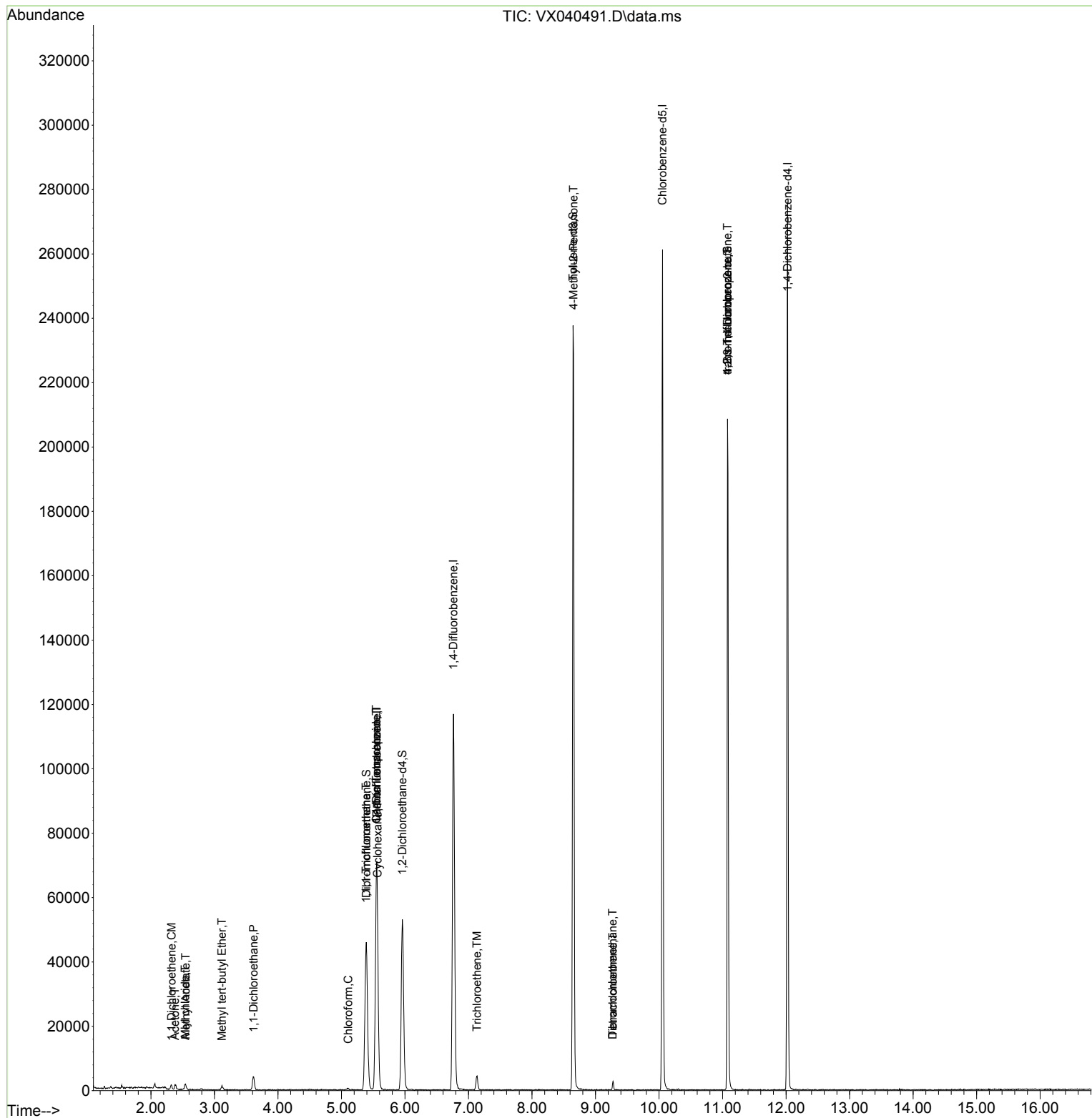
Internal Standards						
1) Pentafluorobenzene	5.556	168	61793	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	110299	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	106425	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	53400	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	52043	50.355	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.700%			
35) Dibromofluoromethane	5.391	113	38450	50.130	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.260%			
50) Toluene-d8	8.647	98	138126	49.611	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.220%			
62) 4-Bromofluorobenzene	11.079	95	52938	49.880	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.760%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.325	96	404	0.574	ug/l #	81
14) Allyl chloride	2.538	41	252	0.205	ug/l #	58
16) Acetone	2.379	43	1901	5.640	ug/l #	86
18) Methyl Acetate	2.544	43	495	0.476	ug/l #	53
19) Methyl tert-butyl Ether	3.117	73	1199	0.499	ug/l	92
24) 1,1-Dichloroethane	3.617	63	4440	3.076	ug/l	98
30) Chloroform	5.105	83	660	0.431	ug/l #	60
31) Cyclohexane	5.568	56	1747	1.492	ug/l #	75
32) 1,1,1-Trichloroethane	5.385	97	266	0.203	ug/l #	45
36) 1,1-Dichloropropene	5.550	75	5646	4.778	ug/l #	52
38) Carbon Tetrachloride	5.550	117	7136	6.251	ug/l #	16
44) Trichloroethene	7.135	130	1444	1.678	ug/l	98
51) 4-Methyl-2-Pentanone	8.653	43	735	0.548	ug/l #	1
60) Dibromochloromethane	9.268	129	493	0.557	ug/l #	11
64) Tetrachloroethene	9.274	164	486	0.650	ug/l #	67
76) 1,2,3-Trichloropropane	11.079	75	30428	25.891	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	30428	75.390	ug/l #	5

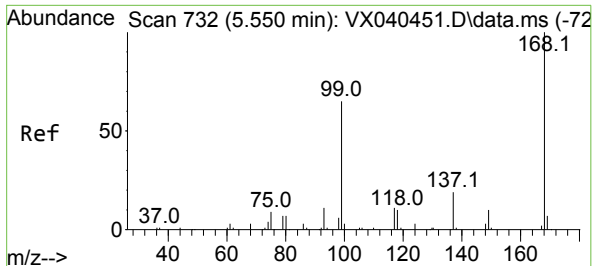
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Feb 27 05:01:33 2024
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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: VX040491.D

Acq: 27 Feb 2024 15:50

Instrument :

MSVOA_X

ClientSampleId :

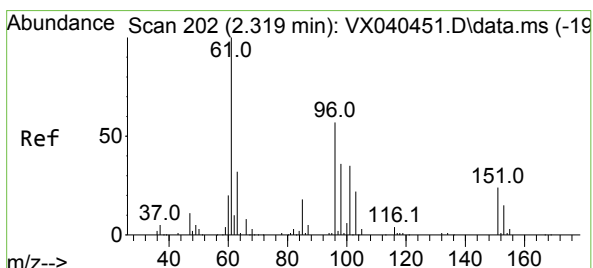
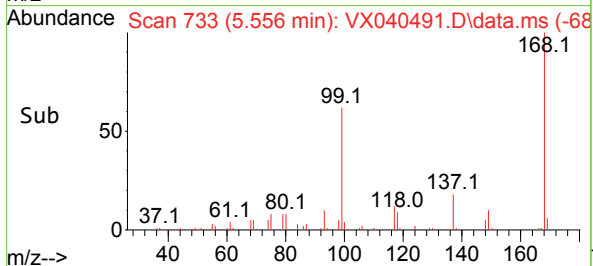
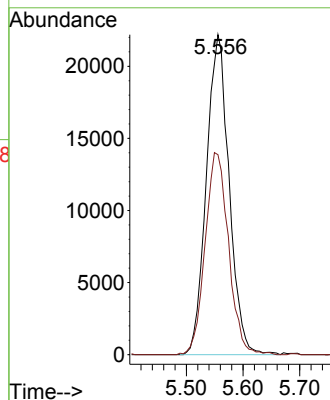
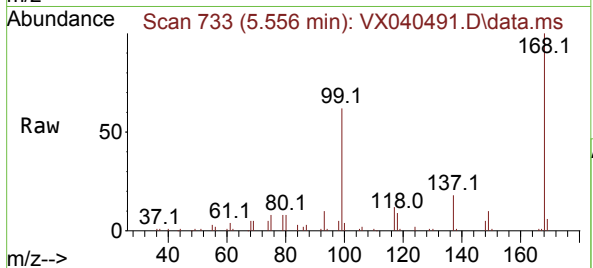
TT161S1-20240221

Tgt Ion:168 Resp: 61793

Ion Ratio Lower Upper

168 100

99 62.5 56.6 85.0



#12

1,1-Dichloroethene

Concen: 0.574 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX040491.D

Acq: 27 Feb 2024 15:50

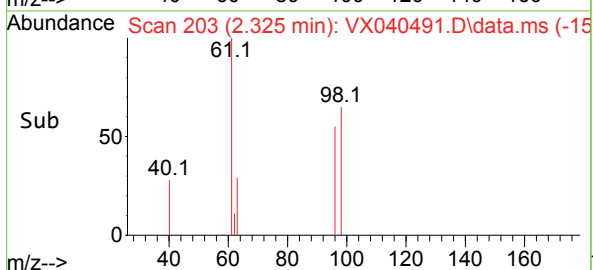
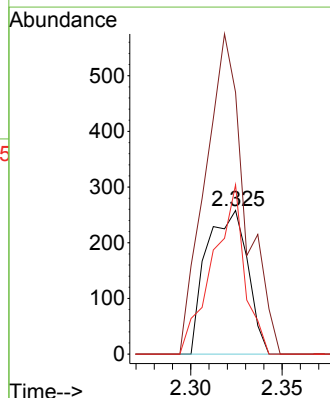
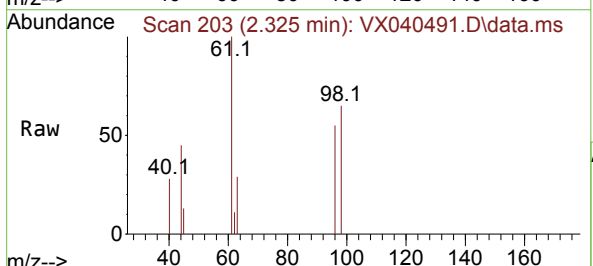
Tgt Ion: 96 Resp: 404

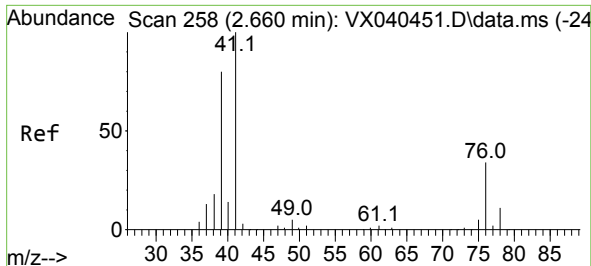
Ion Ratio Lower Upper

96 100

61 182.2 144.6 216.8

98 117.8 50.4 75.6#

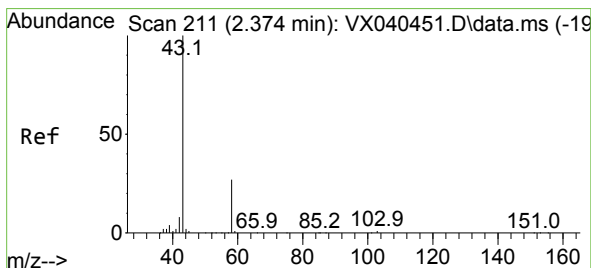
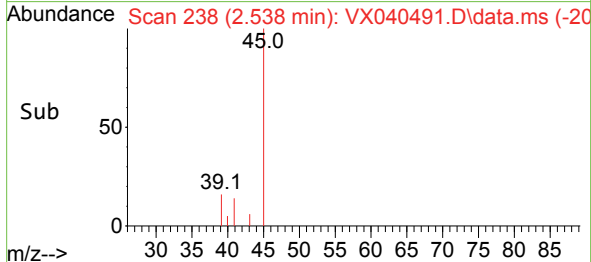
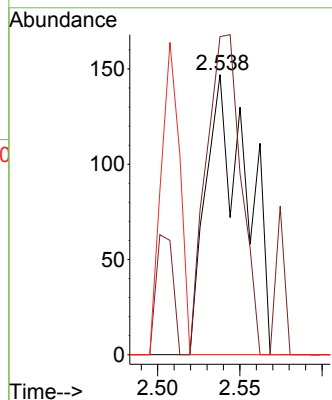
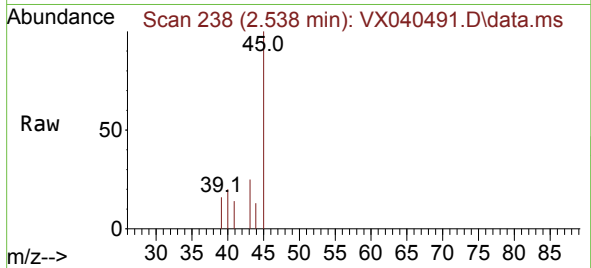




#14
 Allyl chloride
 Concen: 0.205 ug/l
 RT: 2.538 min Scan# 211
 Delta R.T. -0.122 min
 Lab File: VX040491.D
 Acq: 27 Feb 2024 15:50

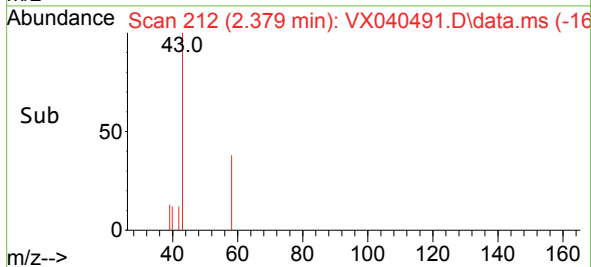
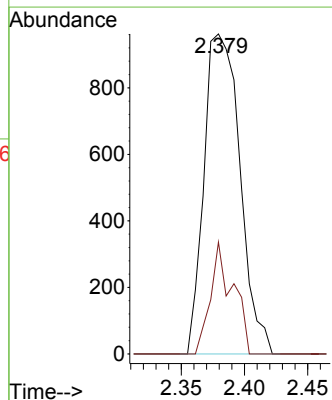
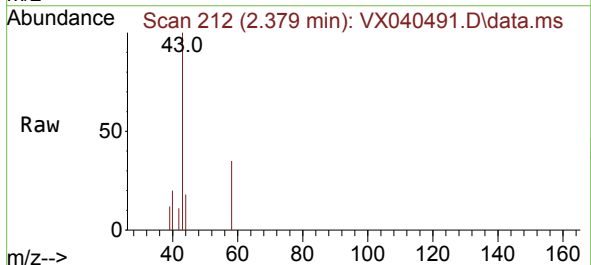
Instrument :
 MSVOA_X
 ClientSampleId :
 TT161S1-20240221

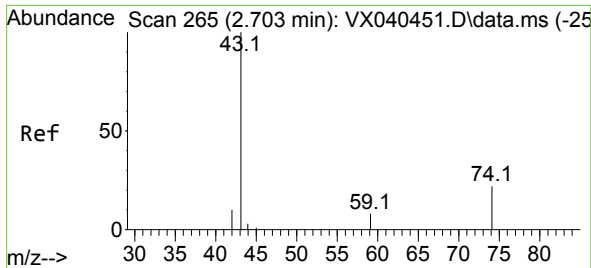
Tgt Ion: 41 Resp: 252
 Ion Ratio Lower Upper
 41 100
 39 98.8 55.8 83.6#
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 5.640 ug/l
 RT: 2.379 min Scan# 212
 Delta R.T. 0.006 min
 Lab File: VX040491.D
 Acq: 27 Feb 2024 15:50

Tgt Ion: 43 Resp: 1901
 Ion Ratio Lower Upper
 43 100
 58 34.9 21.9 32.9#





#18

Methyl Acetate

Concen: 0.476 ug/l

RT: 2.544 min Scan# 21

Delta R.T. -0.159 min

Lab File: VX040491.D

Acq: 27 Feb 2024 15:50

Instrument :

MSVOA_X

ClientSampleId :

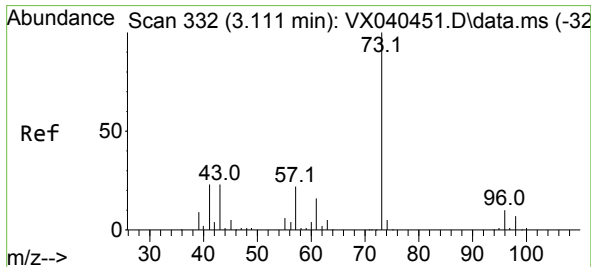
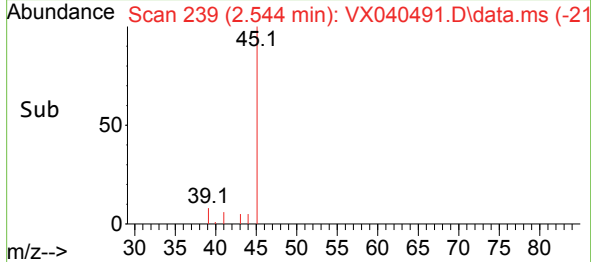
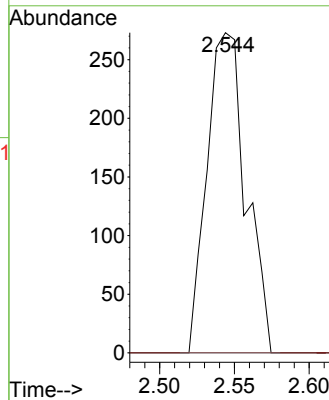
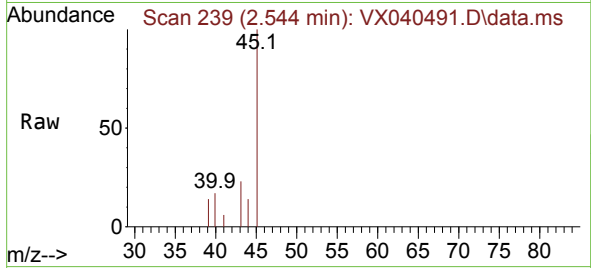
TT161S1-20240221

Tgt Ion: 43 Resp: 495

Ion Ratio Lower Upper

43 100

74 0.0 17.8 26.8#



#19

Methyl tert-butyl Ether

Concen: 0.499 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.006 min

Lab File: VX040491.D

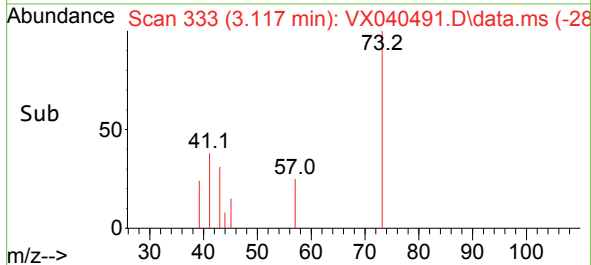
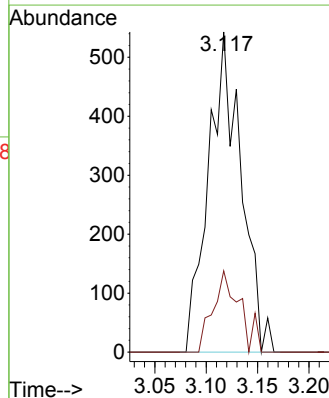
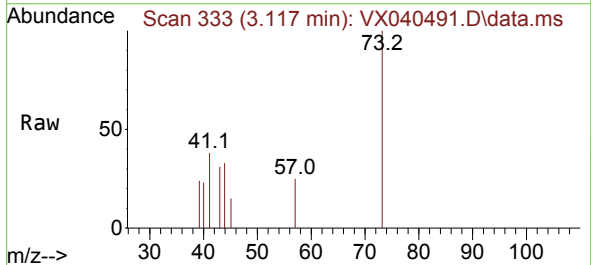
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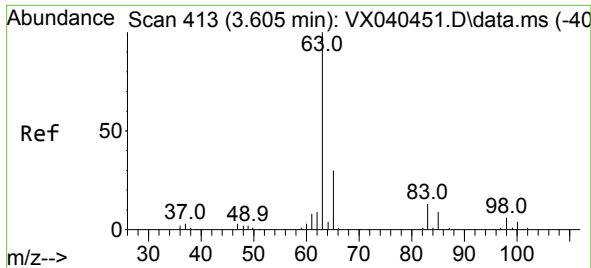
Tgt Ion: 73 Resp: 1199

Ion Ratio Lower Upper

73 100

57 25.4 17.3 25.9

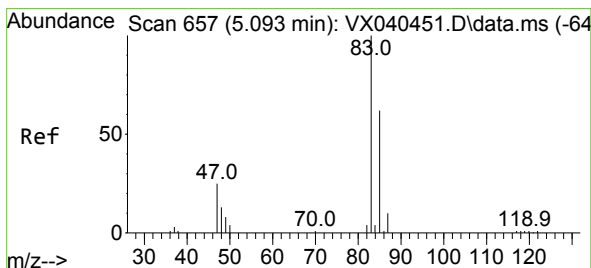
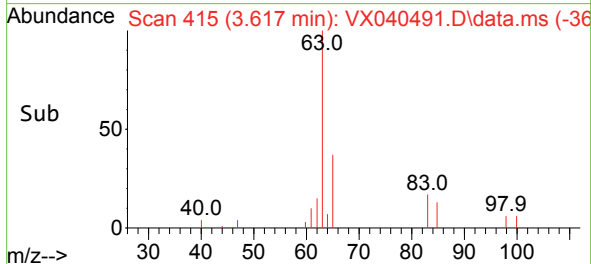
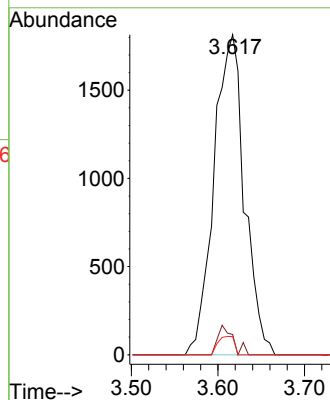
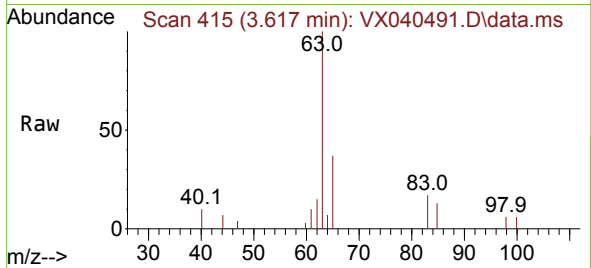




#24
1,1-Dichloroethane
Concen: 3.076 ug/l
RT: 3.617 min Scan# 41
Delta R.T. 0.012 min
Lab File: VX040491.D
Acq: 27 Feb 2024 15:50

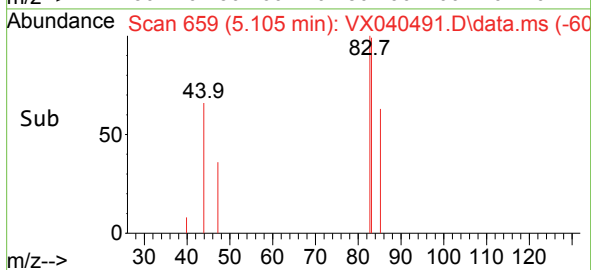
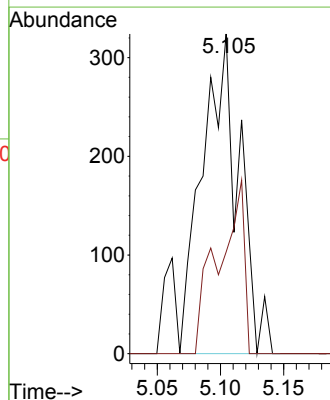
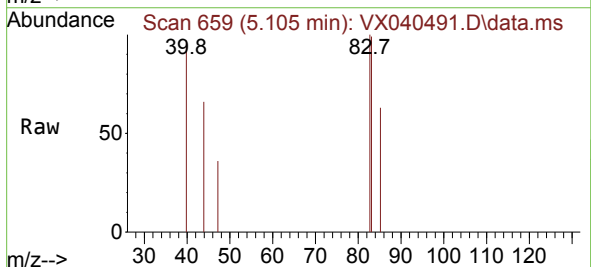
Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20240221

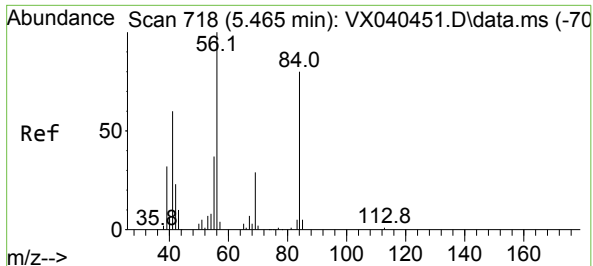
Tgt Ion: 63 Resp: 4440
Ion Ratio Lower Upper
63 100
98 6.3 3.3 9.8
100 5.7 2.1 6.5



#30
Chloroform
Concen: 0.431 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.012 min
Lab File: VX040491.D
Acq: 27 Feb 2024 15:50

Tgt Ion: 83 Resp: 660
Ion Ratio Lower Upper
83 100
85 31.8 50.3 75.5#

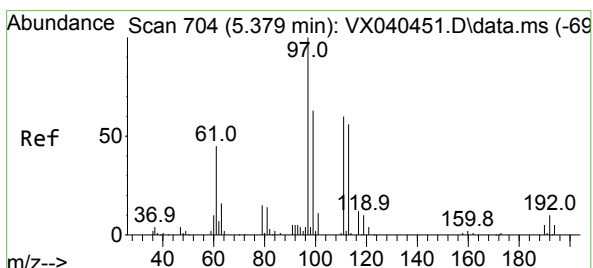
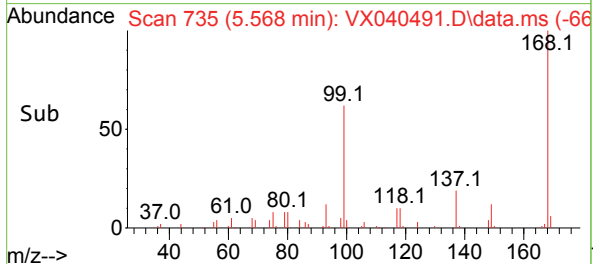
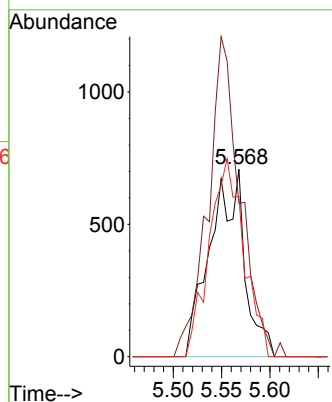
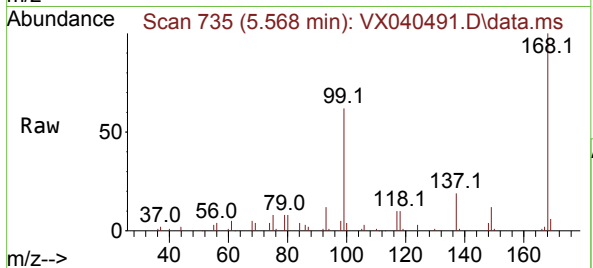




#31
Cyclohexane
Concen: 1.492 ug/l
RT: 5.568 min Scan# 718
Delta R.T. 0.103 min
Lab File: VX040491.D
Acq: 27 Feb 2024 15:50

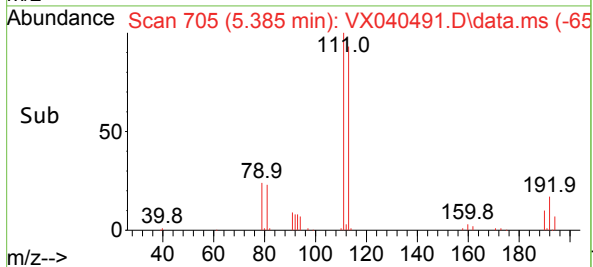
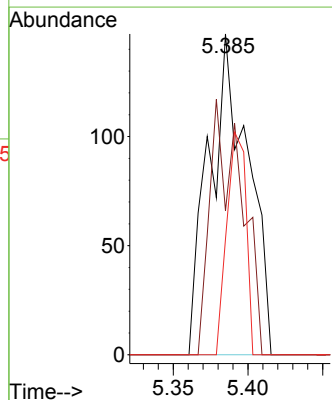
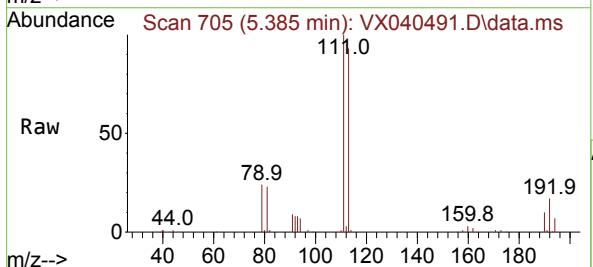
Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20240221

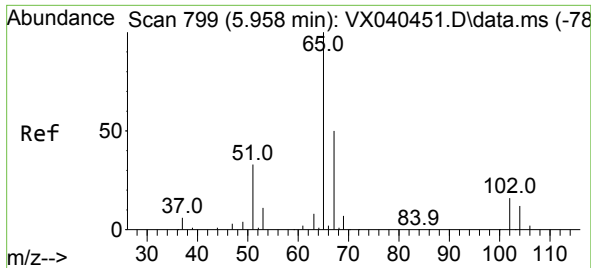
Tgt Ion: 56 Resp: 1747
Ion Ratio Lower Upper
56 100
69 74.4 23.4 35.2#
84 85.6 65.9 98.9



#32
1,1,1-Trichloroethane
Concen: 0.203 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX040491.D
Acq: 27 Feb 2024 15:50

Tgt Ion: 97 Resp: 266
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 34.2 36.4 54.6#





#33

1,2-Dichloroethane-d4

Concen: 50.355 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX040491.D

Acq: 27 Feb 2024 15:50

Instrument :

MSVOA_X

ClientSampleId :

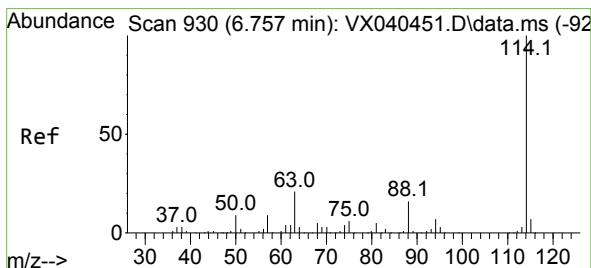
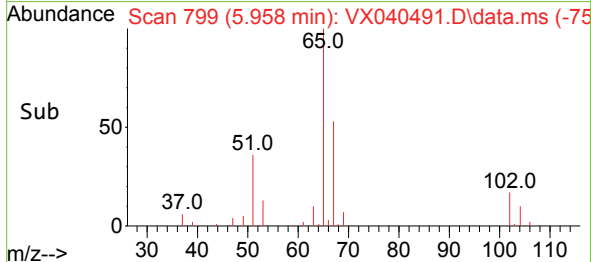
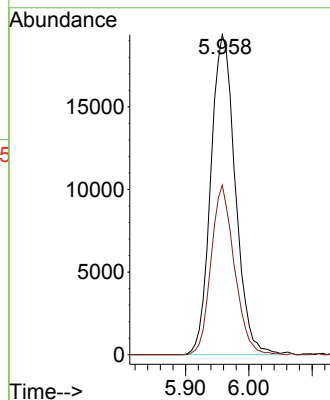
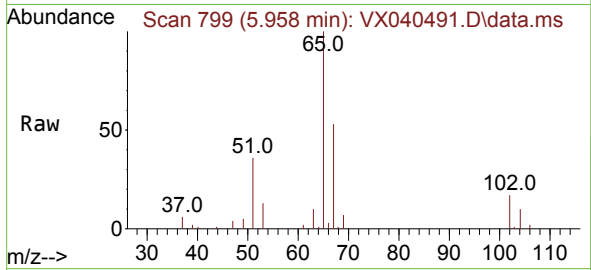
TT161S1-20240221

Tgt Ion: 65 Resp: 52043

Ion Ratio Lower Upper

65 100

67 50.4 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX040491.D

Acq: 27 Feb 2024 15:50

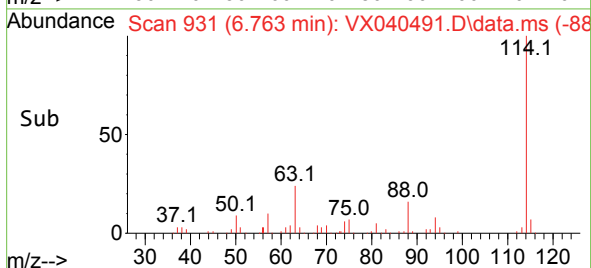
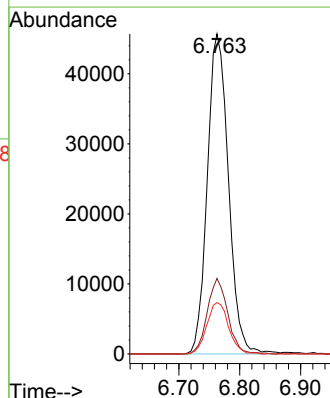
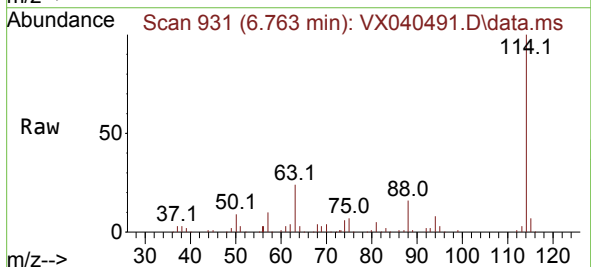
Tgt Ion: 114 Resp: 110299

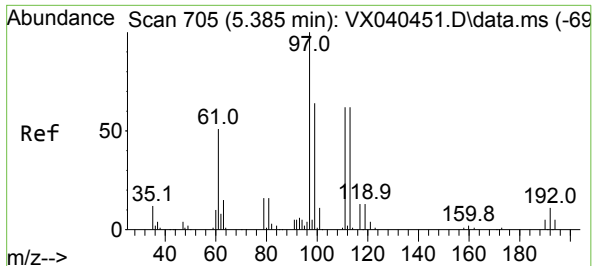
Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.0

88 16.1 0.0 36.6

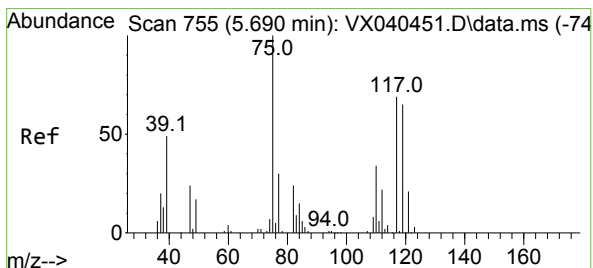
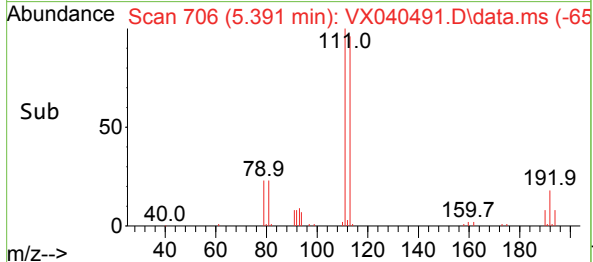
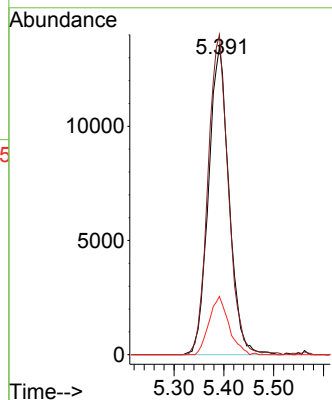
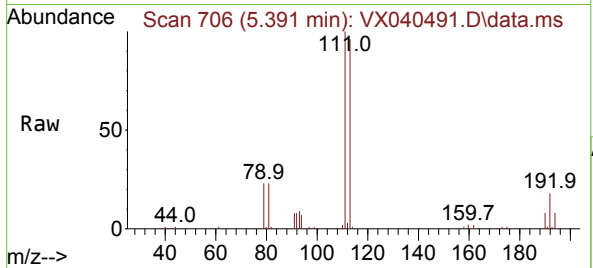




#35
Dibromofluoromethane
Concen: 50.130 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX040491.D
Acq: 27 Feb 2024 15:50

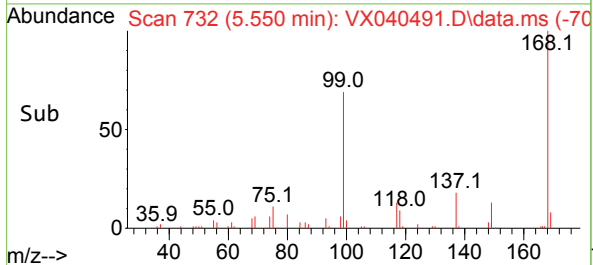
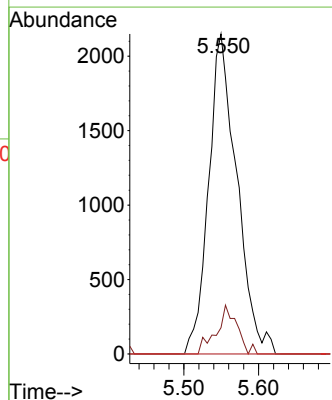
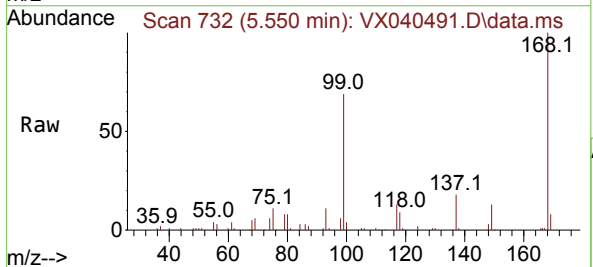
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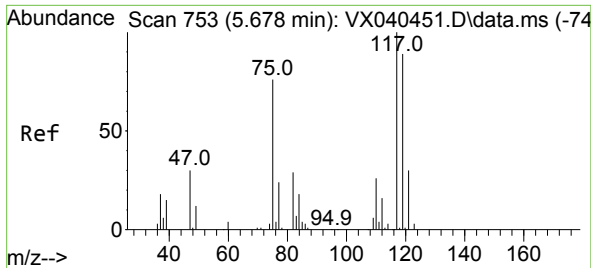
Tgt Ion:113 Resp: 38450
Ion Ratio Lower Upper
113 100
111 103.0 82.9 124.3
192 18.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.778 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.141 min
Lab File: VX040491.D
Acq: 27 Feb 2024 15:50

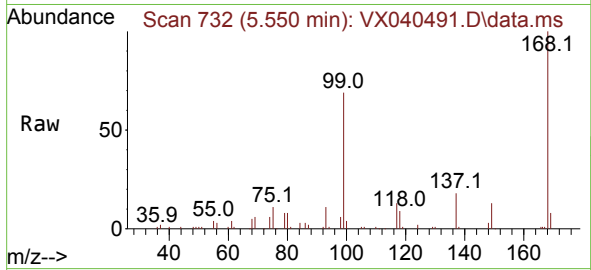
Tgt Ion: 75 Resp: 5646
Ion Ratio Lower Upper
75 100
110 11.2 17.0 50.9#
77 0.0 24.7 37.1#



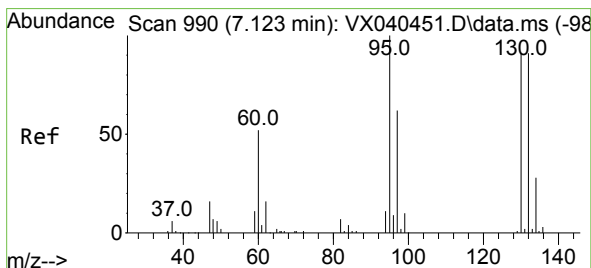
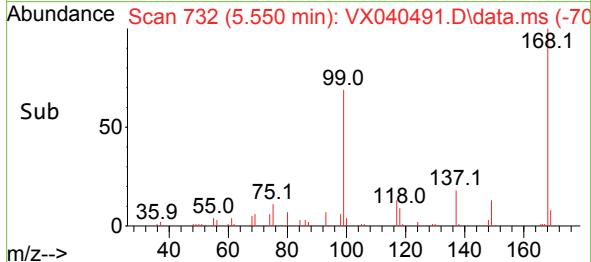
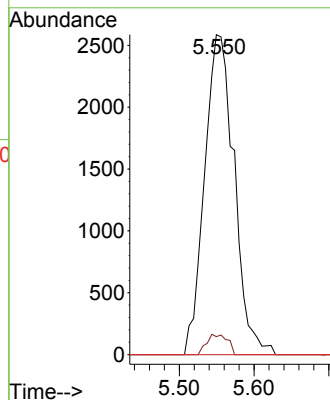


#38
Carbon Tetrachloride
Concen: 6.251 ug/l
RT: 5.550 min Scan# 713
Delta R.T. -0.128 min
Lab File: VX040491.D
Acq: 27 Feb 2024 15:50

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20240221

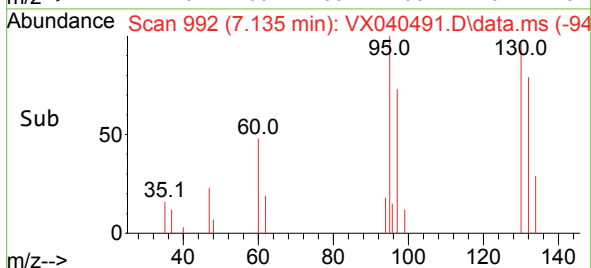
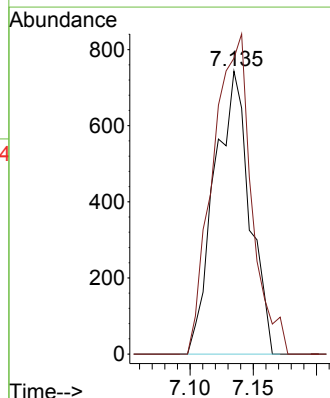
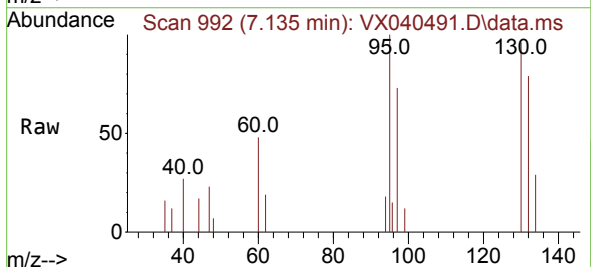


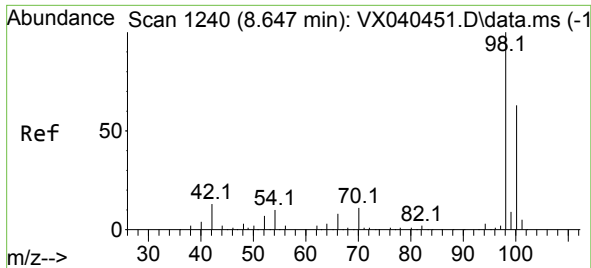
Tgt Ion:117 Resp: 7136
Ion Ratio Lower Upper
117 100
119 5.6 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 1.678 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.012 min
Lab File: VX040491.D
Acq: 27 Feb 2024 15:50

Tgt Ion:130 Resp: 1444
Ion Ratio Lower Upper
130 100
95 104.6 0.0 204.4

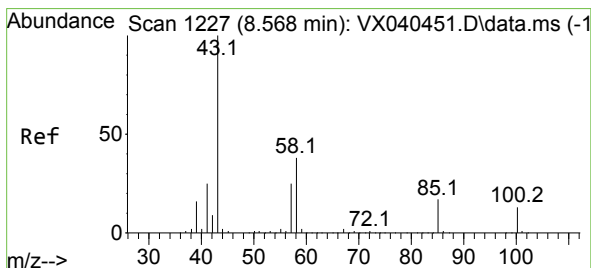
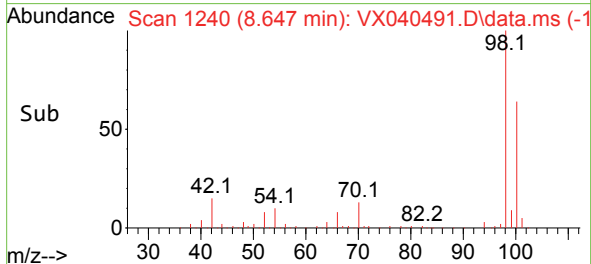
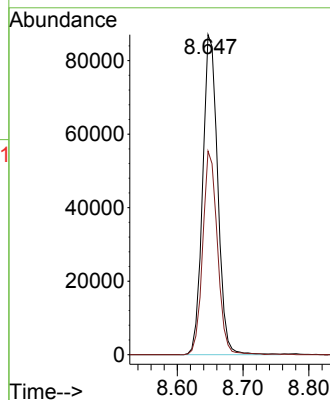
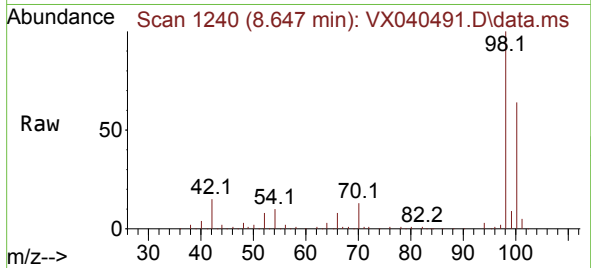




#50
Toluene-d8
Concen: 49.611 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040491.D
Acq: 27 Feb 2024 15:50

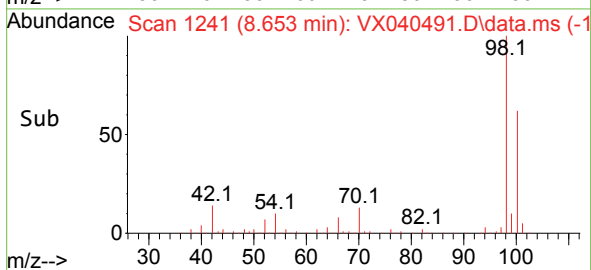
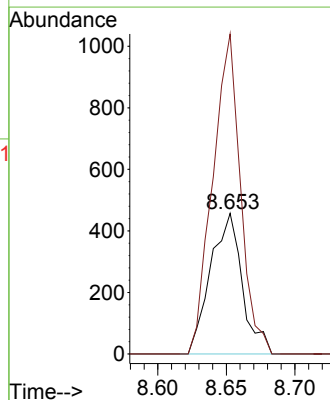
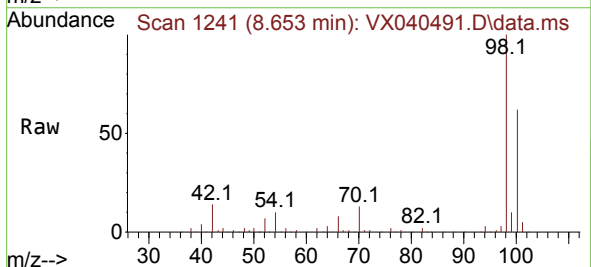
Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20240221

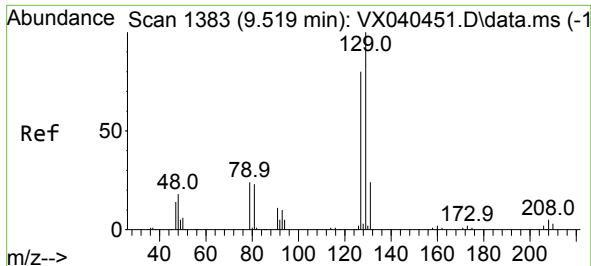
Tgt Ion: 98 Resp: 138126
Ion Ratio Lower Upper
98 100
100 62.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.548 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.085 min
Lab File: VX040491.D
Acq: 27 Feb 2024 15:50

Tgt Ion: 43 Resp: 735
Ion Ratio Lower Upper
43 100
58 199.6 30.4 45.6#

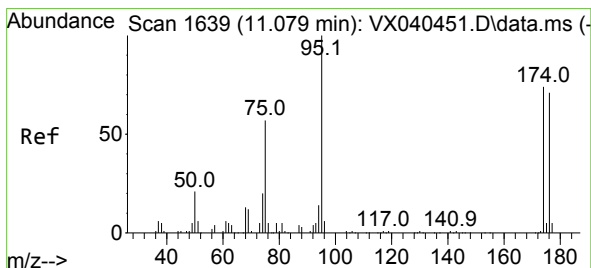
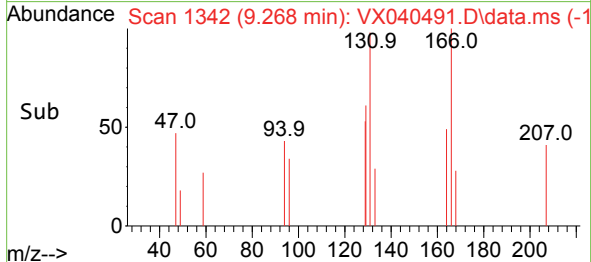
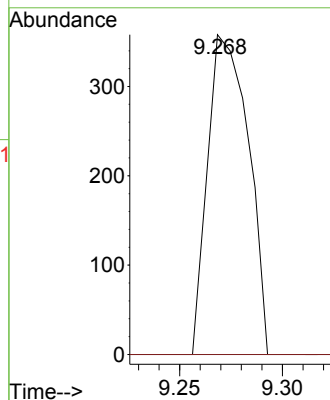
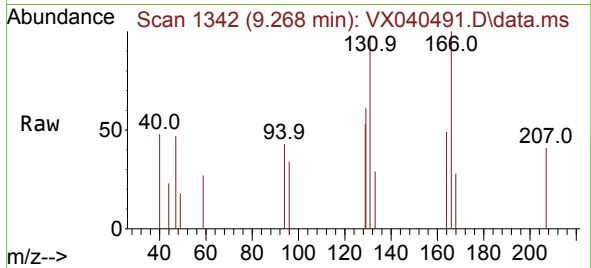




#60
Dibromochloromethane
Concen: 0.557 ug/l
RT: 9.268 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX040491.D
Acq: 27 Feb 2024 15:50

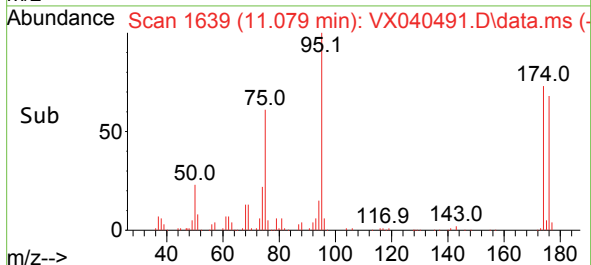
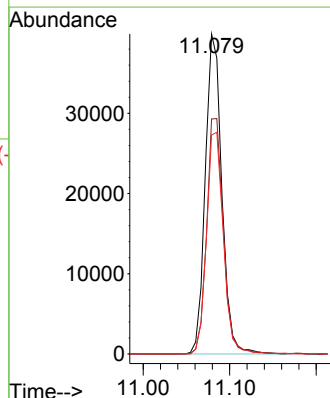
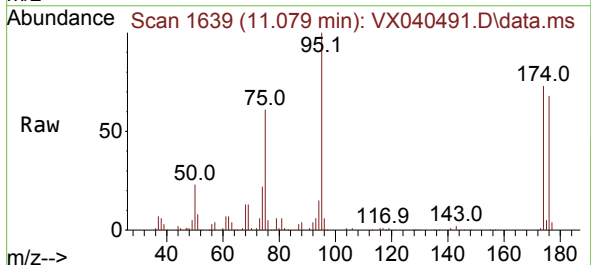
Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20240221

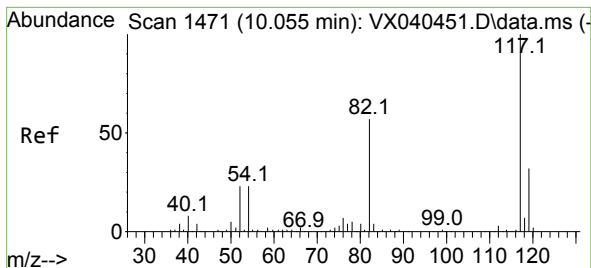
Tgt Ion:129 Resp: 493
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 49.880 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040491.D
Acq: 27 Feb 2024 15:50

Tgt Ion: 95 Resp: 52938
Ion Ratio Lower Upper
95 100
174 74.4 0.0 135.6
176 70.7 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: VX040491.D

Acq: 27 Feb 2024 15:50

Instrument :

MSVOA_X

ClientSampleId :

TT161S1-20240221

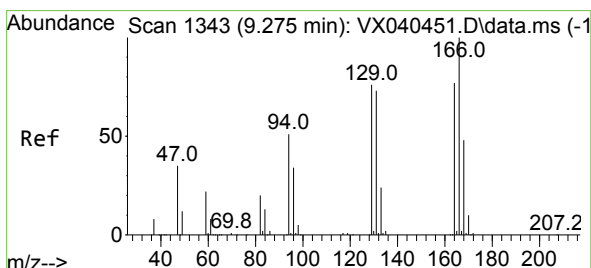
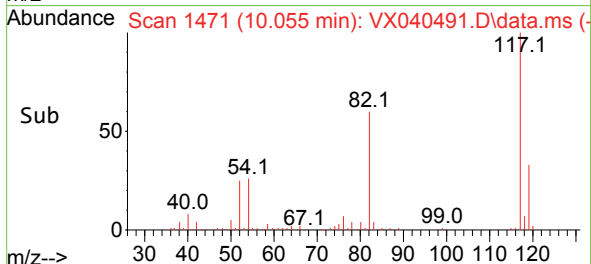
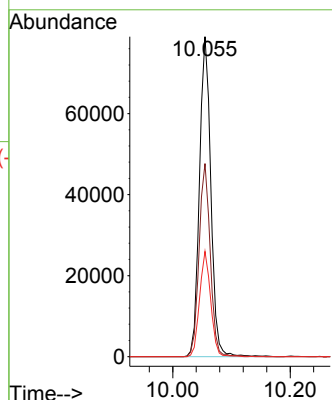
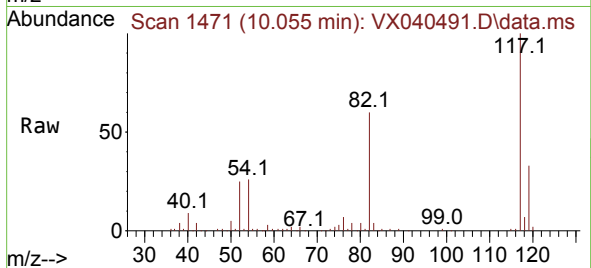
Tgt Ion:117 Resp: 106425

Ion Ratio Lower Upper

117 100

82 60.4 46.2 69.4

119 32.9 25.5 38.3



#64

Tetrachloroethene

Concen: 0.650 ug/l

RT: 9.274 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VX040491.D

Acq: 27 Feb 2024 15:50

Tgt Ion:164 Resp: 486

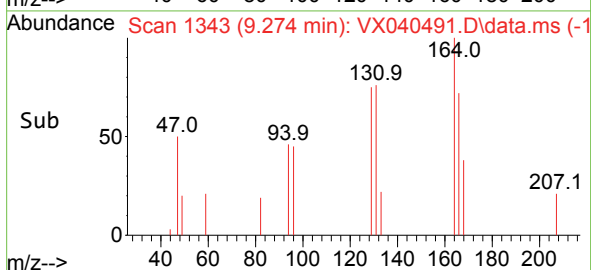
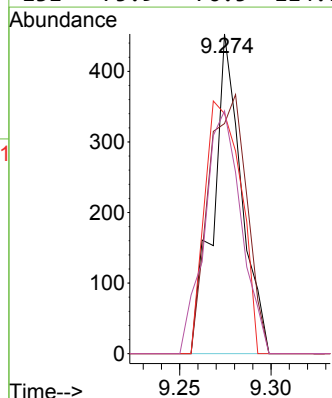
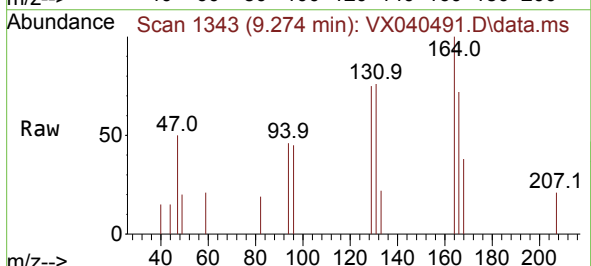
Ion Ratio Lower Upper

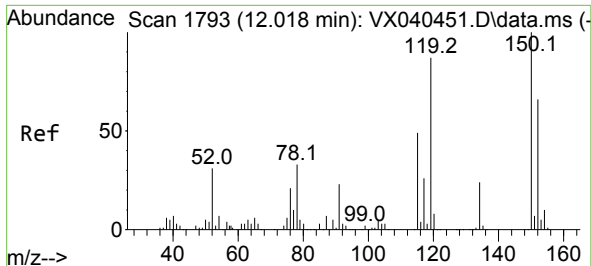
164 100

166 72.0 102.7 154.1#

129 75.1 80.4 120.6#

131 75.9 76.5 114.7#

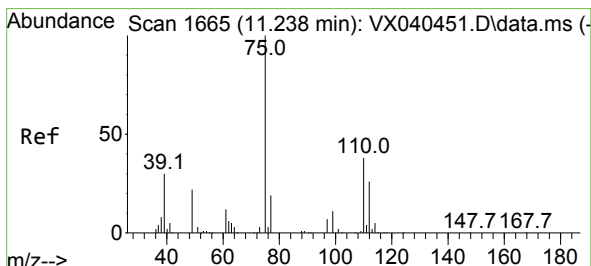
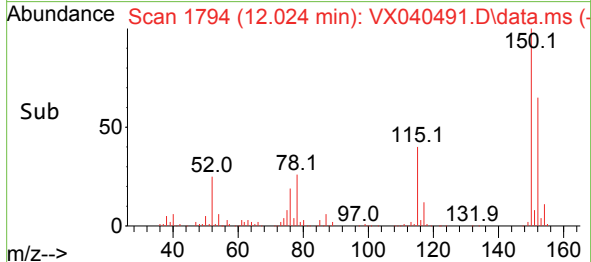
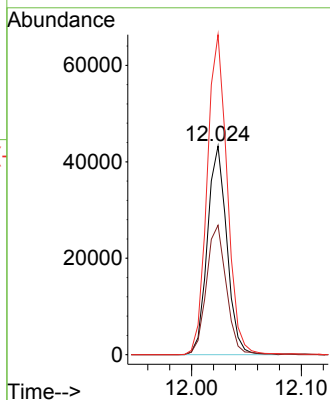
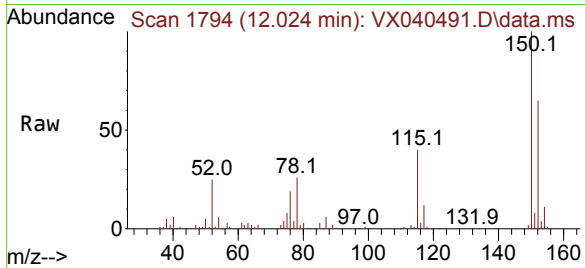




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX040491.D
Acq: 27 Feb 2024 15:50

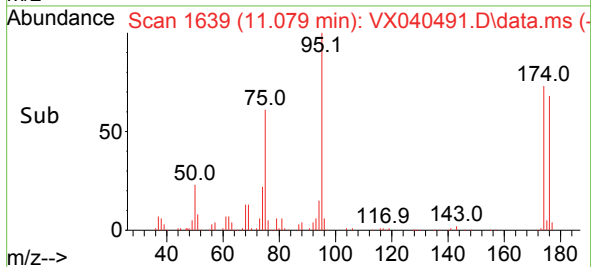
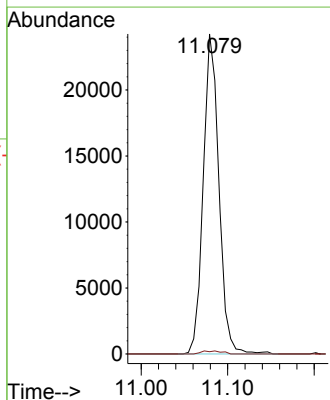
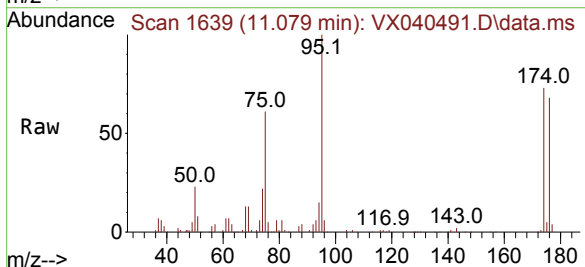
Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20240221

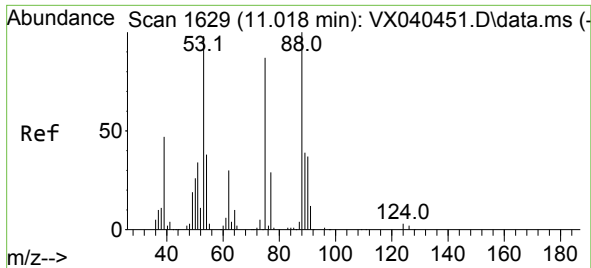
Tgt Ion:152 Resp: 53400
Ion Ratio Lower Upper
152 100
115 63.6 43.3 129.9
150 158.3 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 25.891 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040491.D
Acq: 27 Feb 2024 15:50

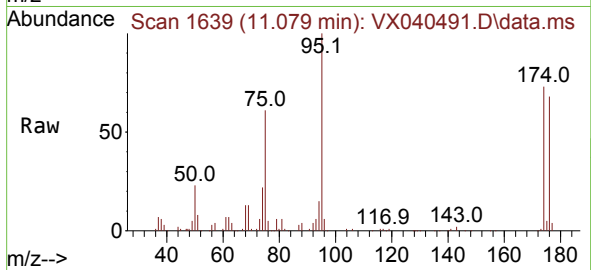
Tgt Ion: 75 Resp: 30428
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 75.390 ug/l
RT: 11.079 min Scan# 10
Delta R.T. 0.061 min
Lab File: VX040491.D
Acq: 27 Feb 2024 15:50

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20240221



Tgt Ion: 75 Resp: 30428
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

