

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022624\
 Data File : VX040466.D
 Acq On : 26 Feb 2024 17:25
 Operator : JC/MD
 Sample : P1578-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT149S1-20240222

Quant Time: Feb 27 05:11:38 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)

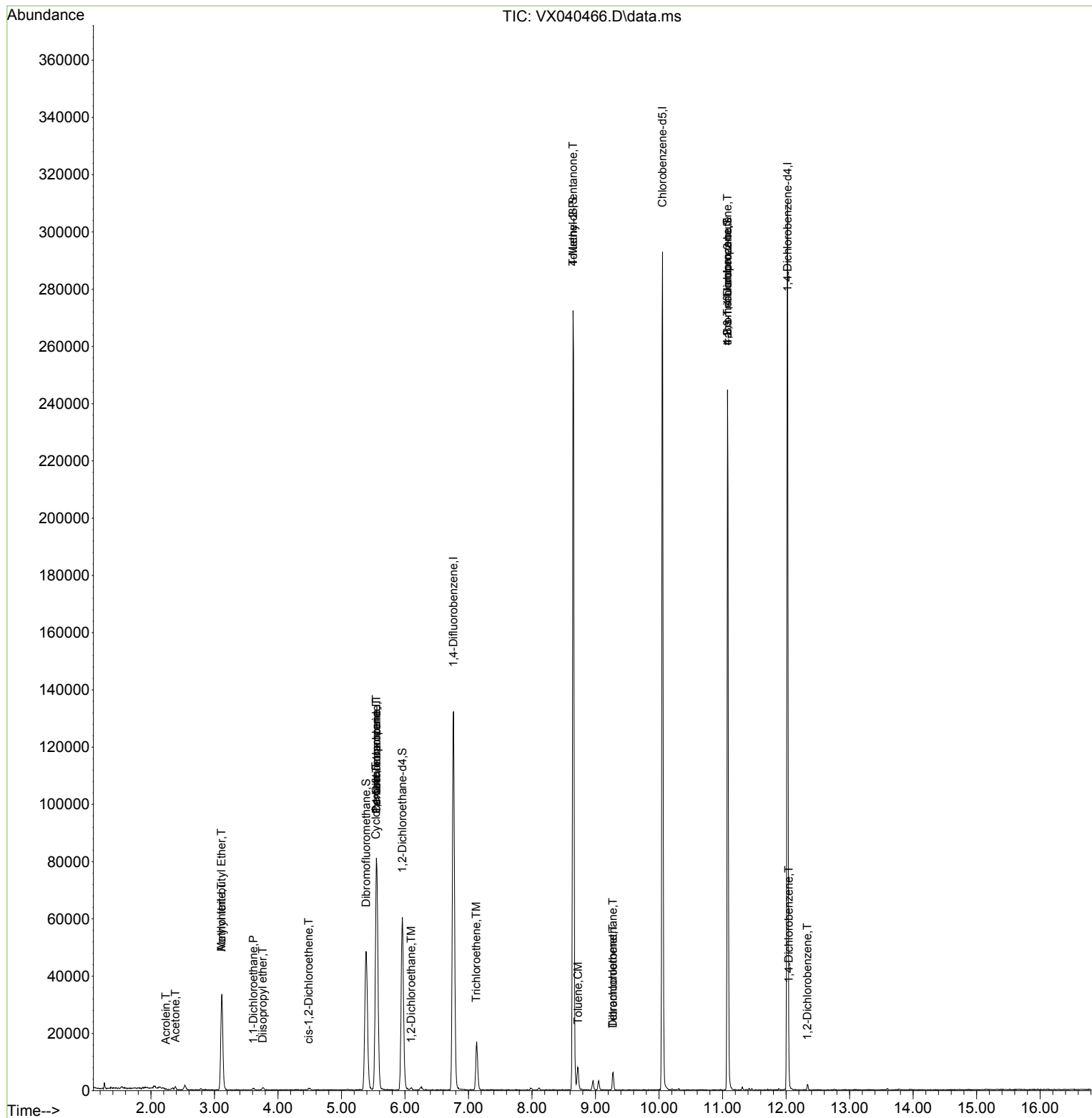
Internal Standards						
1) Pentafluorobenzene	5.549	168	70896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	125433	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	121155	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60588	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	58544	49.372	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.740%		
35) Dibromofluoromethane	5.385	113	42264	48.454	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.900%		
50) Toluene-d8	8.646	98	156359	49.384	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.760%		
62) 4-Bromofluorobenzene	11.079	95	61799	51.204	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.400%		
Target Compounds					Qvalue	
13) Acrolein	2.233	56	83	0.649	ug/l #	47
15) Acrylonitrile	3.111	53	478	0.956	ug/l #	27
16) Acetone	2.385	43	1094	2.829	ug/l #	79
19) Methyl tert-butyl Ether	3.111	73	35159	12.761	ug/l	96
22) Diisopropyl ether	3.757	45	720	0.254	ug/l #	66
24) 1,1-Dichloroethane	3.611	63	728	0.440	ug/l #	83
27) cis-1,2-Dichloroethene	4.483	96	404	0.401	ug/l	77
31) Cyclohexane	5.543	56	1953	1.454	ug/l #	37
36) 1,1-Dichloropropene	5.549	75	6926	5.154	ug/l #	47
38) Carbon Tetrachloride	5.549	117	8056	6.205	ug/l #	19
42) 1,2-Dichloroethane	6.098	62	846	0.562	ug/l #	77
44) Trichloroethene	7.122	130	5750	5.876	ug/l	97
51) 4-Methyl-2-Pentanone	8.646	43	763	0.500	ug/l #	1
52) Toluene	8.726	92	3185	1.426	ug/l	96
60) Dibromochloromethane	9.274	129	1055	1.048	ug/l #	11
64) Tetrachloroethene	9.274	164	1008	1.185	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	34768	26.074	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	34768	75.879	ug/l #	5
88) 1,4-Dichlorobenzene	12.042	146	776	0.362	ug/l #	1
91) 1,2-Dichlorobenzene	12.335	146	530	0.264	ug/l	92

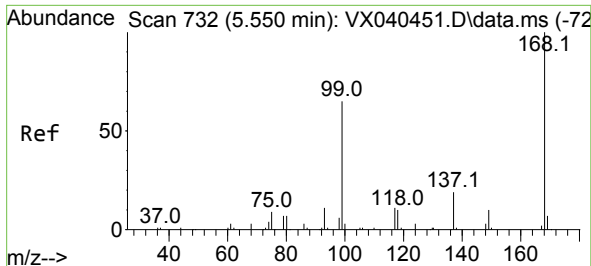
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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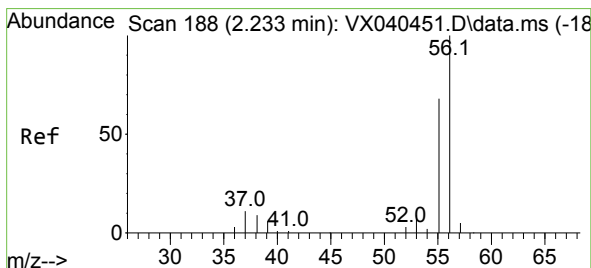
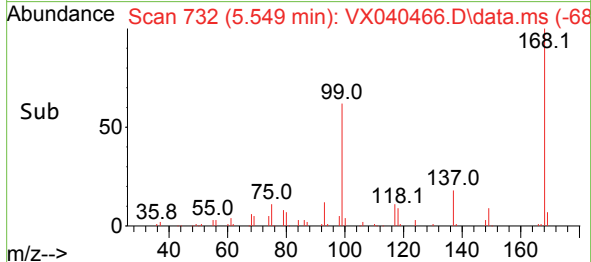
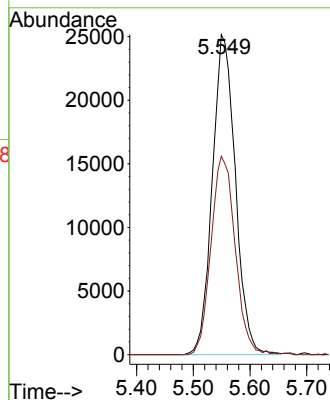
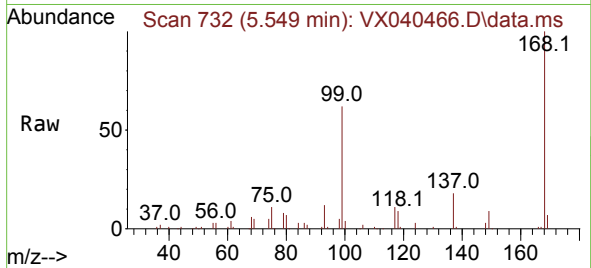




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

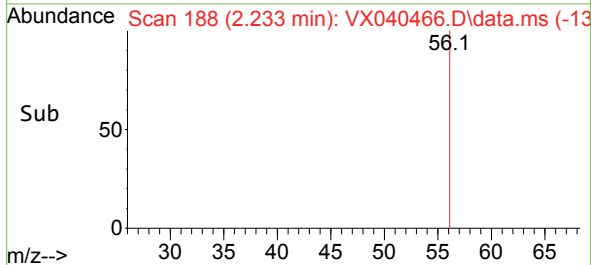
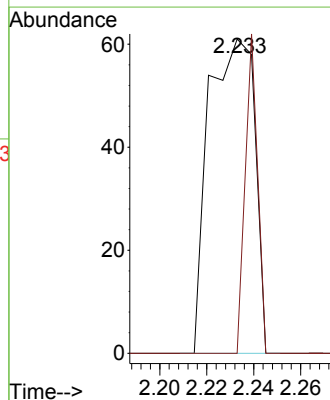
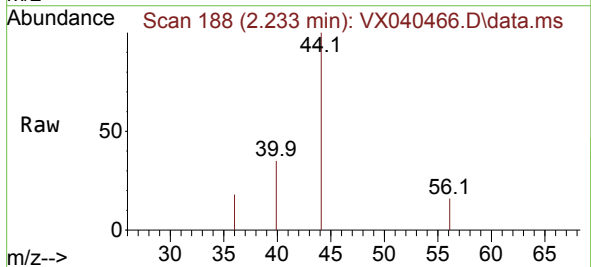
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20240222

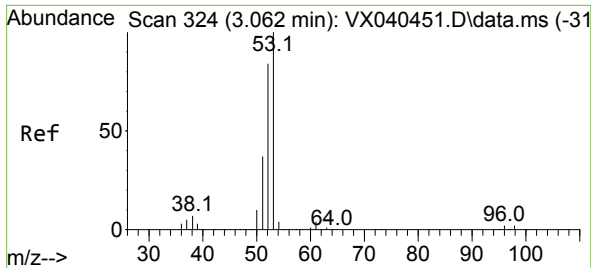
Tgt Ion:168 Resp: 70896
Ion Ratio Lower Upper
168 100
99 62.0 56.6 85.0



#13
Acrolein
Concen: 0.649 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.000 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

Tgt Ion: 56 Resp: 83
Ion Ratio Lower Upper
56 100
55 27.7 57.1 85.7#

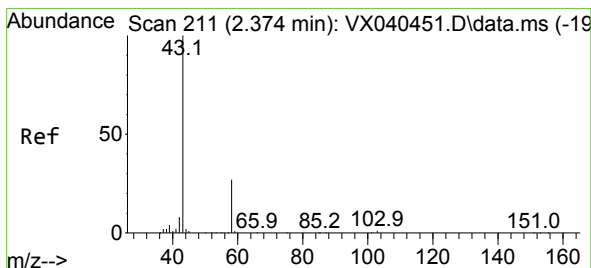
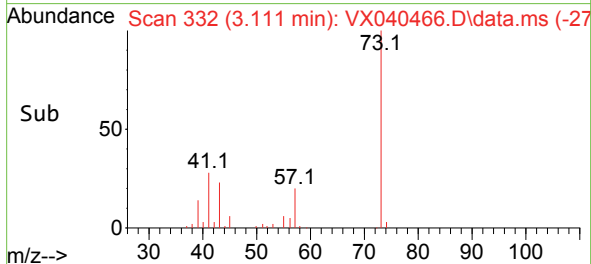
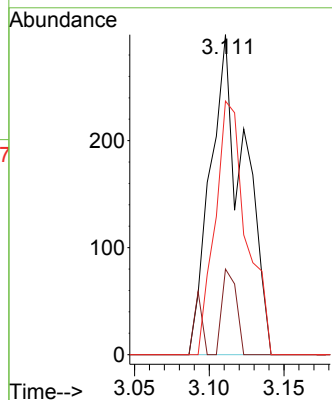
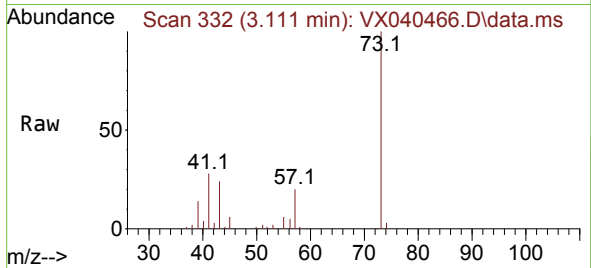




#15
Acrylonitrile
Concen: 0.956 ug/l
RT: 3.111 min Scan# 31
Delta R.T. 0.048 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

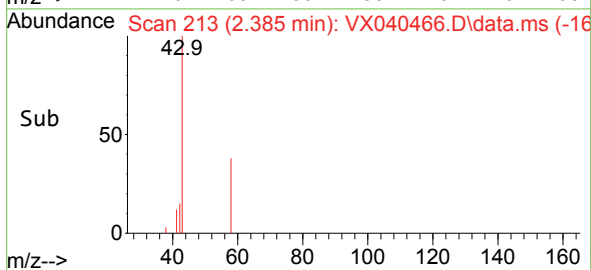
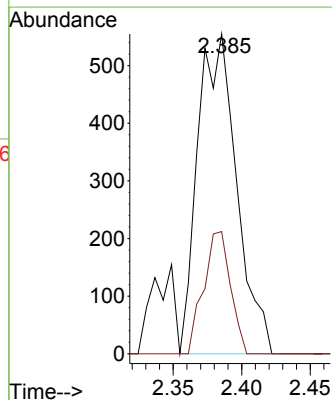
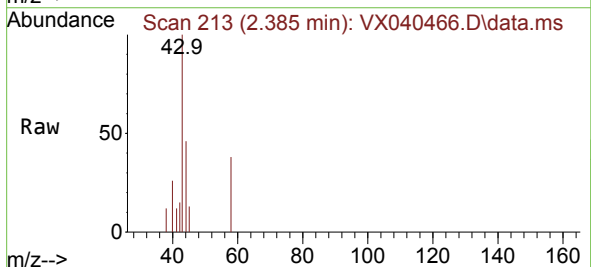
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20240222

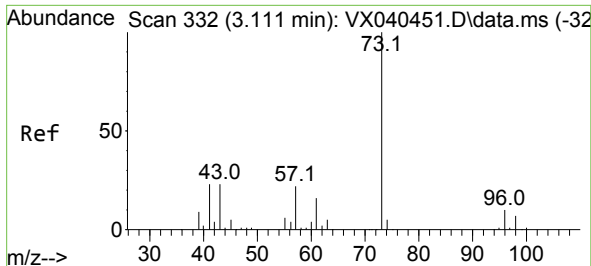
Tgt Ion: 53 Resp: 478
Ion Ratio Lower Upper
53 100
52 11.1 66.0 99.0#
51 72.2 29.8 44.6#



#16
Acetone
Concen: 2.829 ug/l
RT: 2.385 min Scan# 213
Delta R.T. 0.012 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

Tgt Ion: 43 Resp: 1094
Ion Ratio Lower Upper
43 100
58 38.2 21.9 32.9#

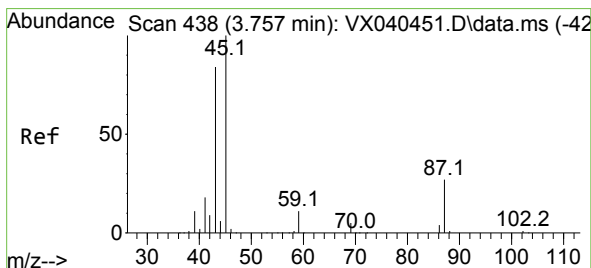
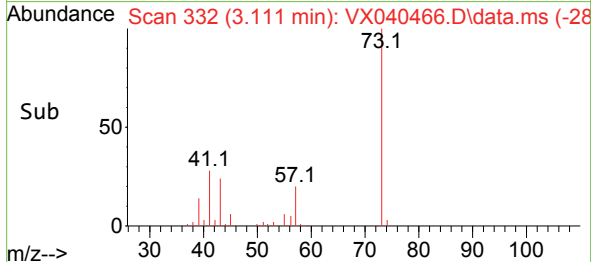
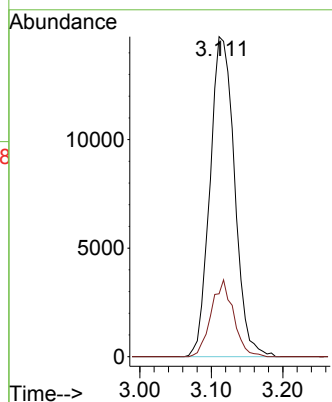
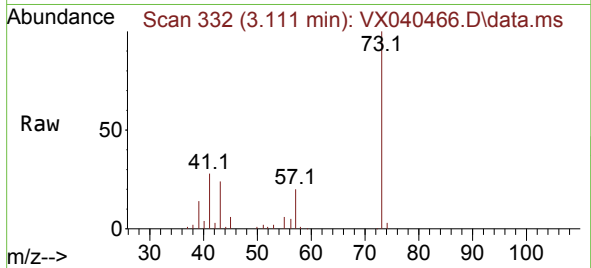




#19
Methyl tert-butyl Ether
Concen: 12.761 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

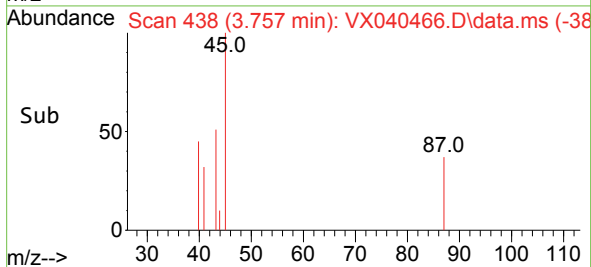
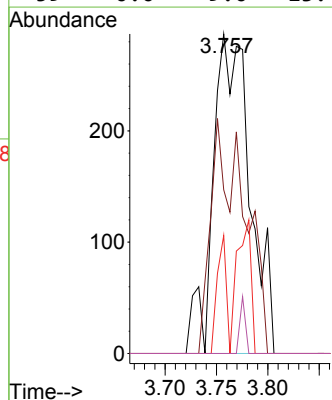
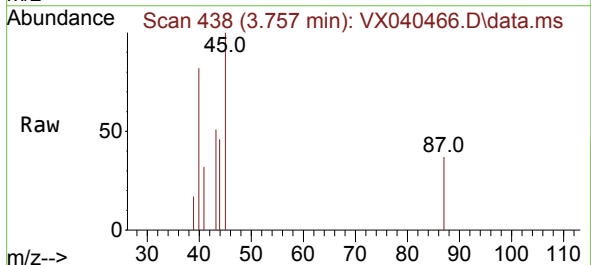
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20240222

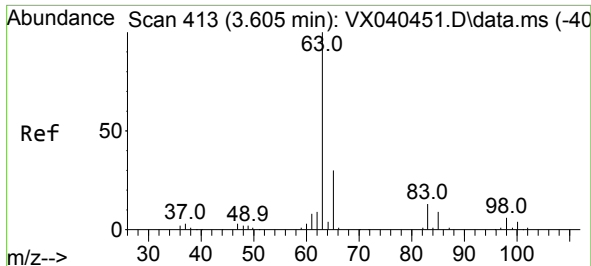
Tgt Ion: 73 Resp: 35159
Ion Ratio Lower Upper
73 100
57 19.6 17.3 25.9



#22
Diisopropyl ether
Concen: 0.254 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

Tgt Ion: 45 Resp: 720
Ion Ratio Lower Upper
45 100
43 51.2 69.7 104.5#
87 36.9 20.8 31.2#
59 0.0 9.0 13.4#





#24

1,1-Dichloroethane

Concen: 0.440 ug/l

RT: 3.611 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX040466.D

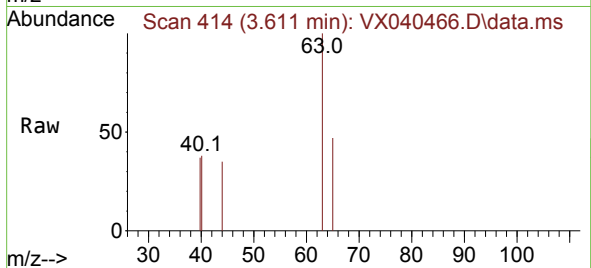
Acq: 26 Feb 2024 17:25

Instrument :

MSVOA_X

ClientSampleId :

TT149S1-20240222



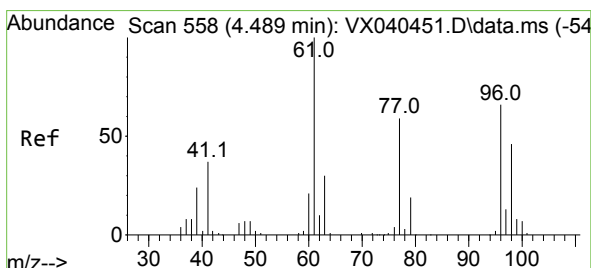
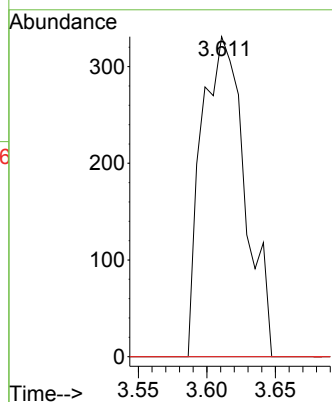
Tgt Ion: 63 Resp: 728

Ion Ratio Lower Upper

63 100

98 0.0 3.3 9.8#

100 0.0 2.1 6.5#



#27

cis-1,2-Dichloroethene

Concen: 0.401 ug/l

RT: 4.483 min Scan# 557

Delta R.T. -0.007 min

Lab File: VX040466.D

Acq: 26 Feb 2024 17:25

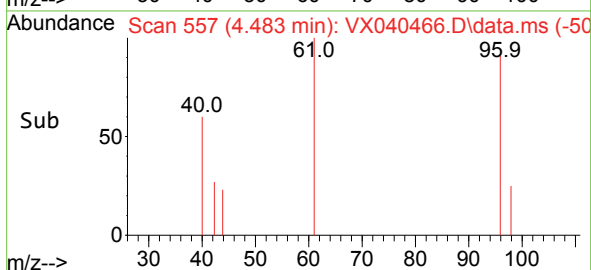
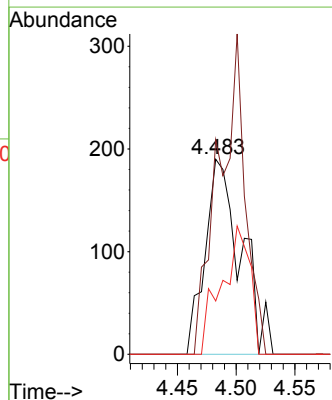
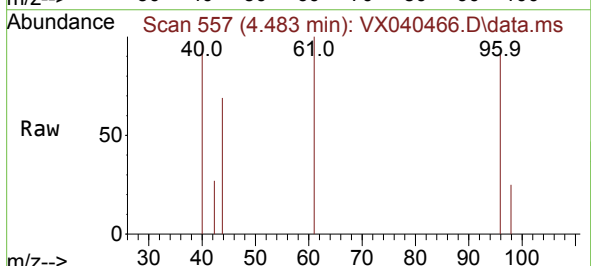
Tgt Ion: 96 Resp: 404

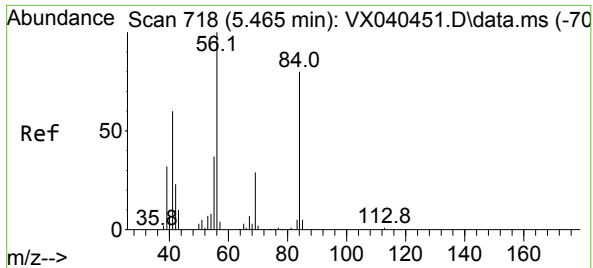
Ion Ratio Lower Upper

96 100

61 123.3 0.0 312.2

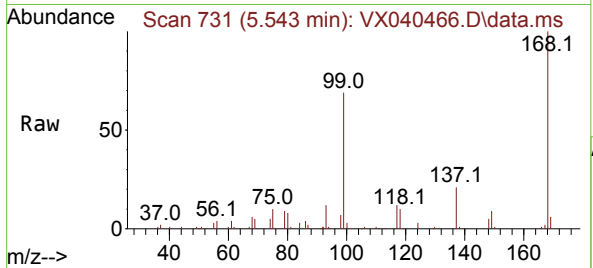
98 51.7 0.0 129.0



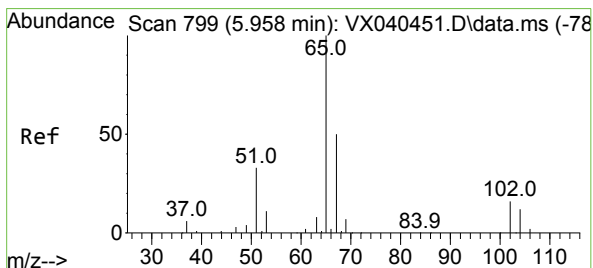
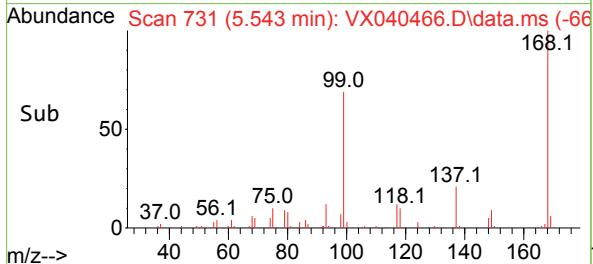
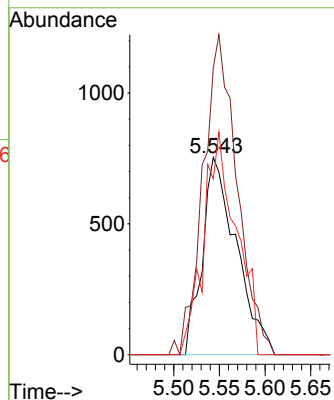


#31
Cyclohexane
Concen: 1.454 ug/l
RT: 5.543 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX040466.D
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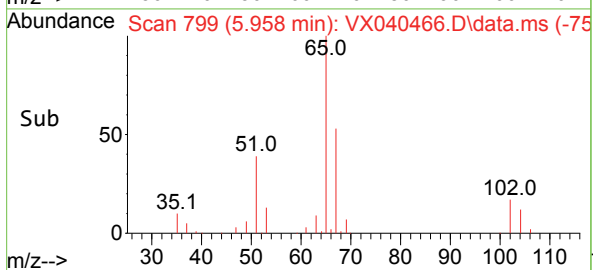
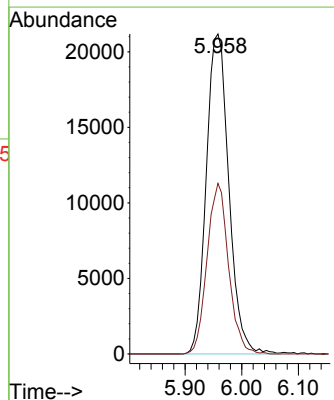
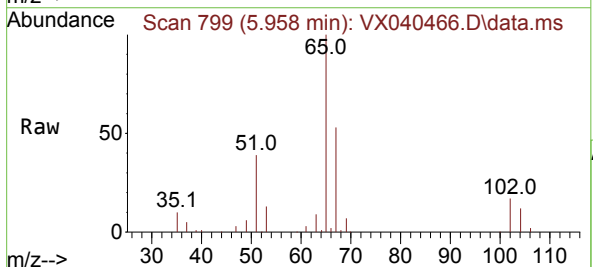


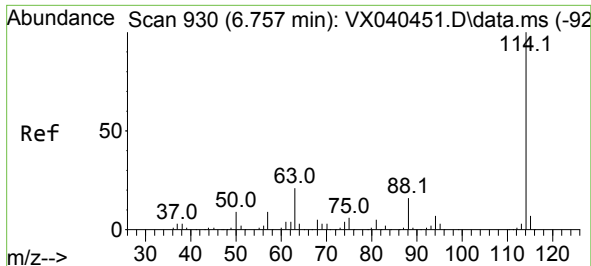
Tgt Ion: 56 Resp: 1953
Ion Ratio Lower Upper
56 100
69 145.7 23.4 35.2#
84 89.2 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 49.372 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

Tgt Ion: 65 Resp: 58544
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.2

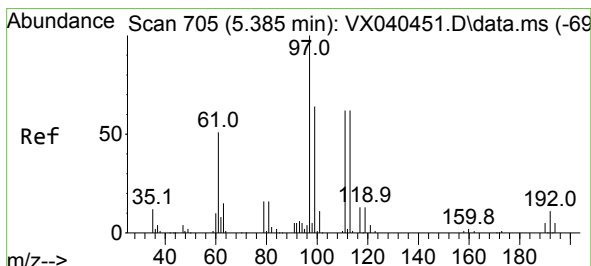
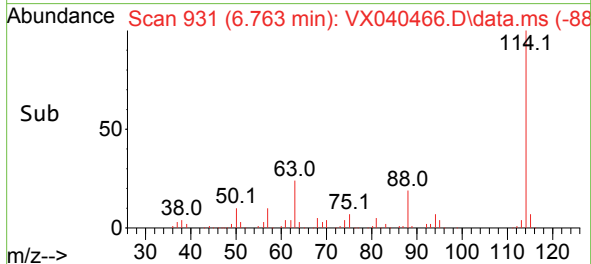
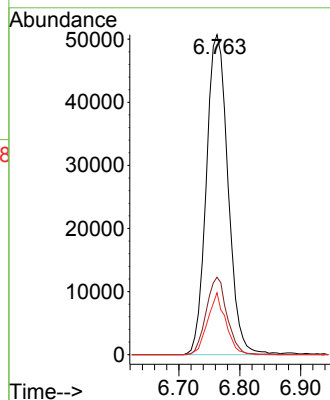
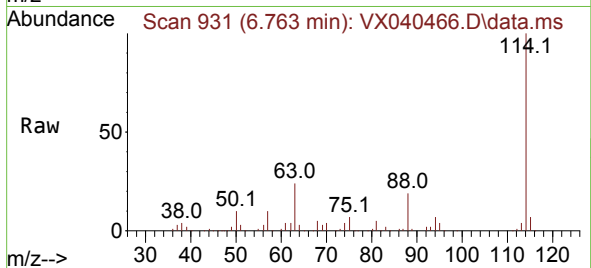




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

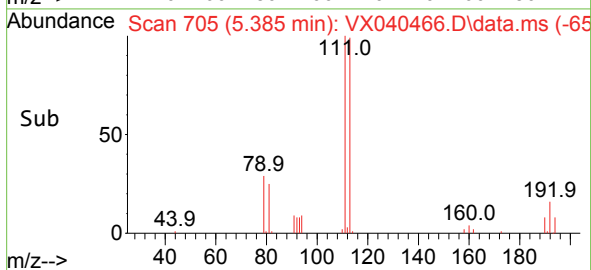
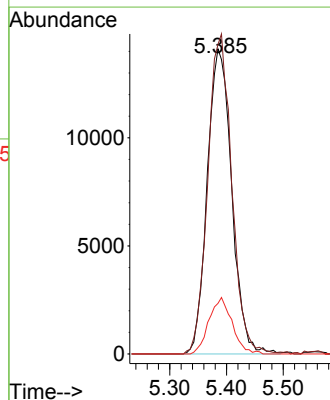
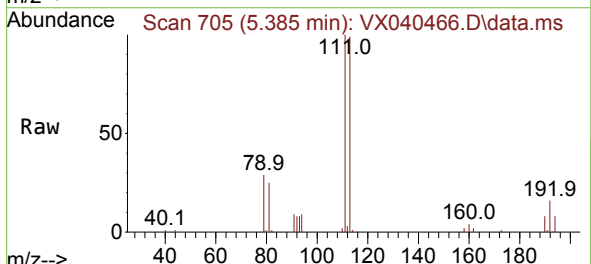
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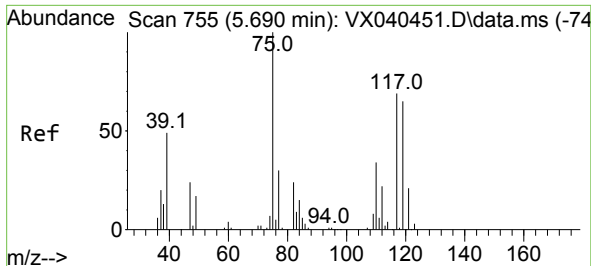
Tgt Ion:114 Resp: 125433
Ion Ratio Lower Upper
114 100
63 24.2 0.0 45.0
88 19.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.454 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

Tgt Ion:113 Resp: 42264
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 17.6 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.154 ug/l

RT: 5.549 min Scan# 712

Delta R.T. -0.141 min

Lab File: VX040466.D

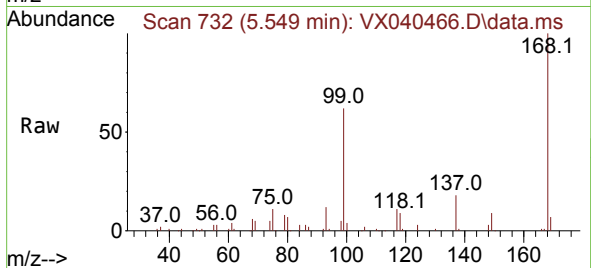
Acq: 26 Feb 2024 17:25

Instrument :

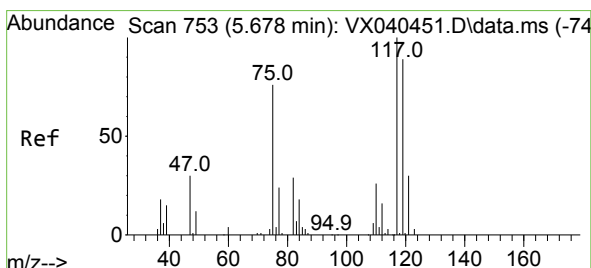
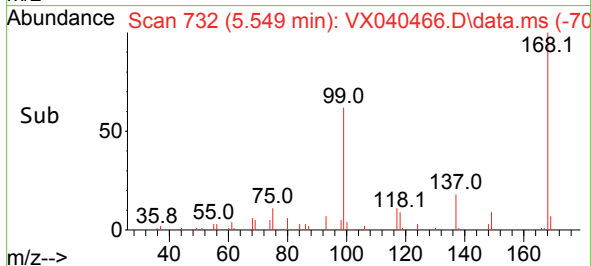
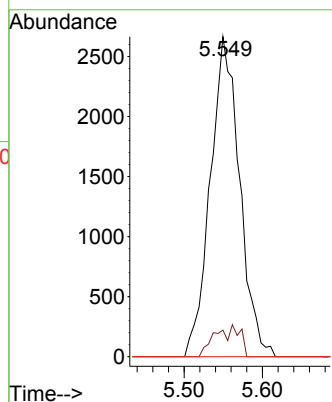
MSVOA_X

ClientSampleId :

TT149S1-20240222



Tgt Ion: 75	Resp: 6926
Ion Ratio	Lower Upper
75	100
110	4.9 17.0 50.9#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.205 ug/l

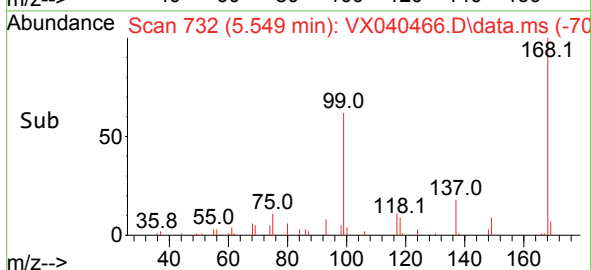
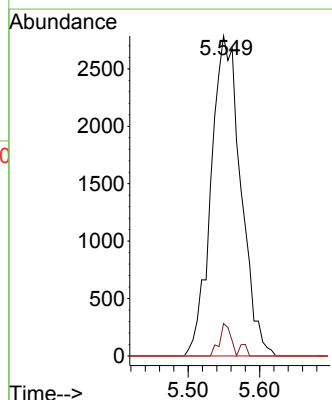
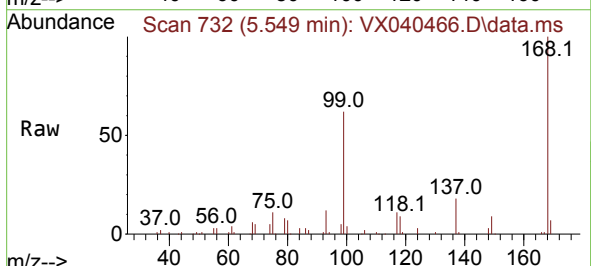
RT: 5.549 min Scan# 732

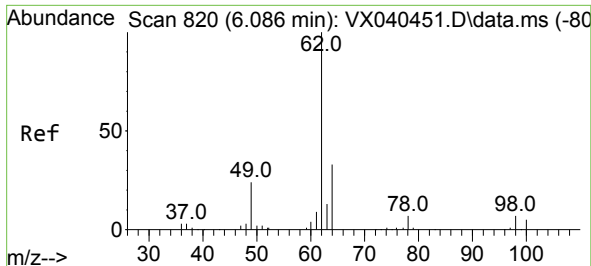
Delta R.T. -0.128 min

Lab File: VX040466.D

Acq: 26 Feb 2024 17:25

Tgt Ion: 117	Resp: 8056
Ion Ratio	Lower Upper
117	100
119	10.2 78.2 117.2#
121	0.0 24.4 36.6#

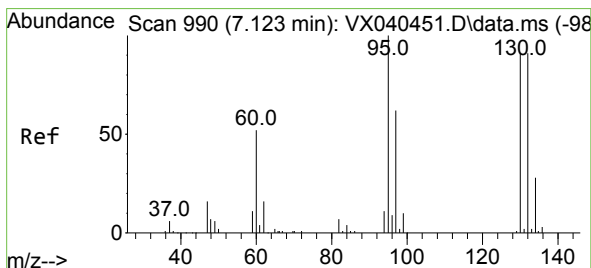
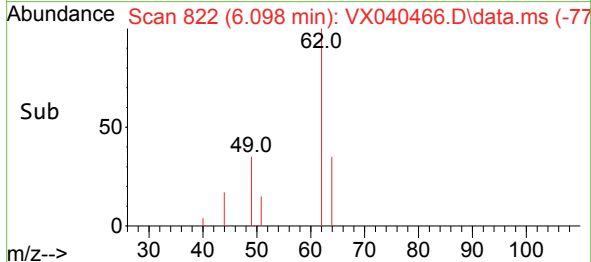
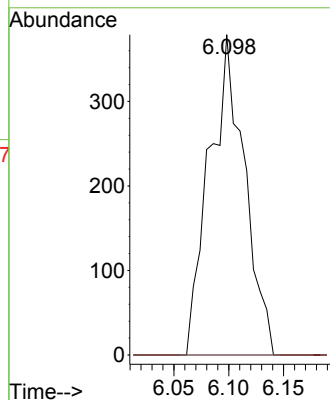
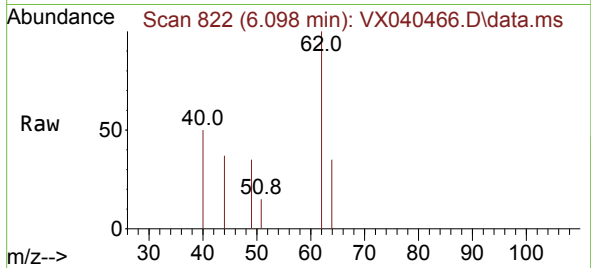




#42
1,2-Dichloroethane
Concen: 0.562 ug/l
RT: 6.098 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

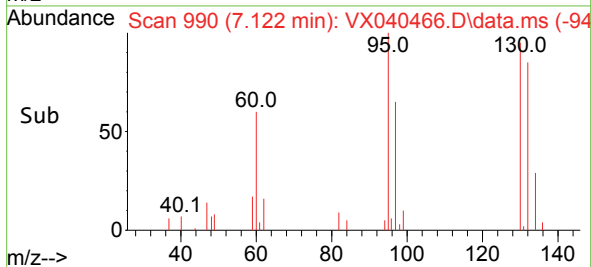
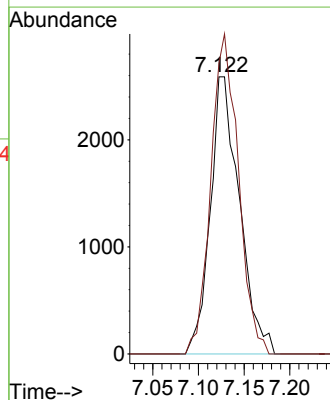
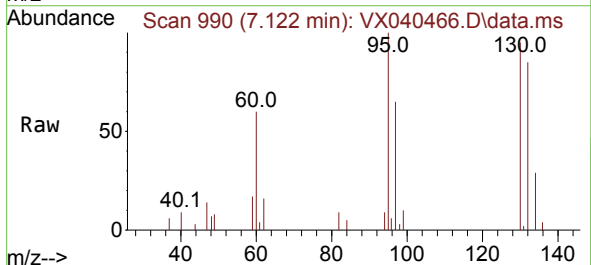
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20240222

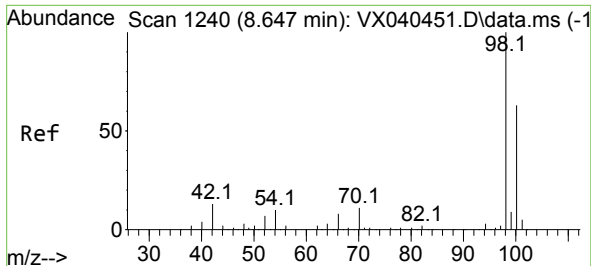
Tgt Ion: 62 Resp: 846
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0



#44
Trichloroethene
Concen: 5.876 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

Tgt Ion:130 Resp: 5750
Ion Ratio Lower Upper
130 100
95 104.8 0.0 204.4

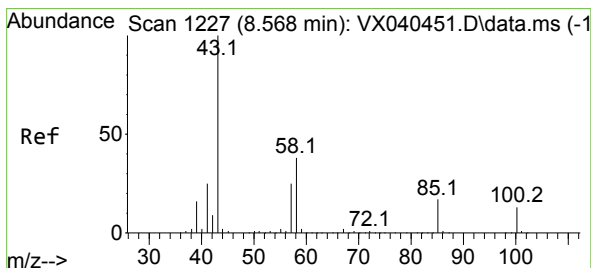
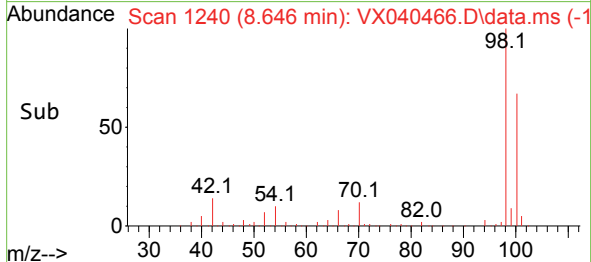
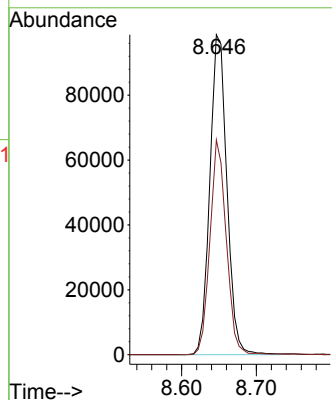
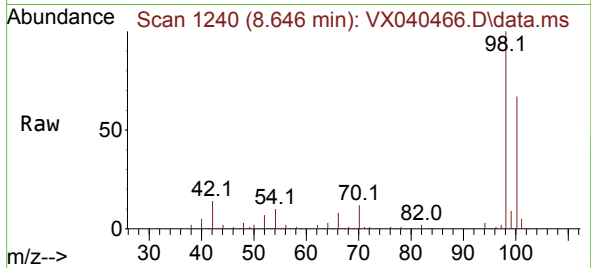




#50
Toluene-d8
Concen: 49.384 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

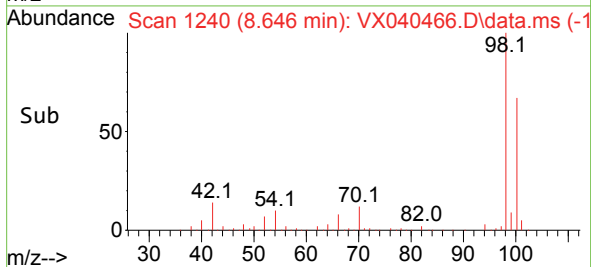
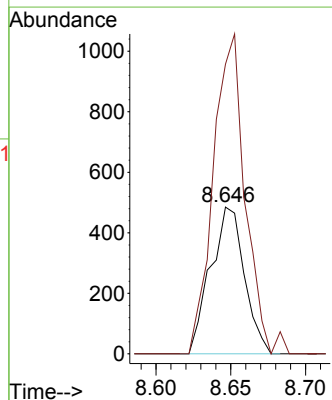
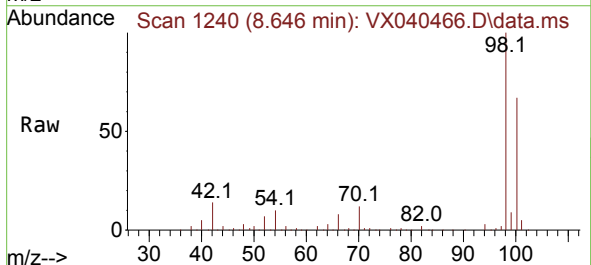
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20240222

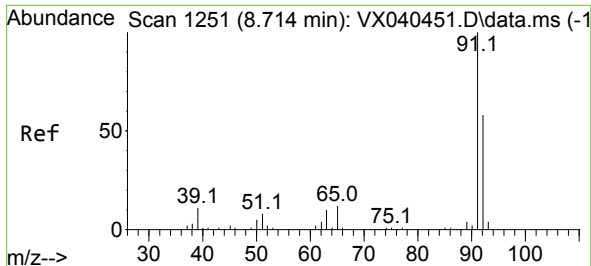
Tgt Ion: 98 Resp: 156359
Ion Ratio Lower Upper
98 100
100 64.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.500 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.079 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

Tgt Ion: 43 Resp: 763
Ion Ratio Lower Upper
43 100
58 205.9 30.4 45.6#

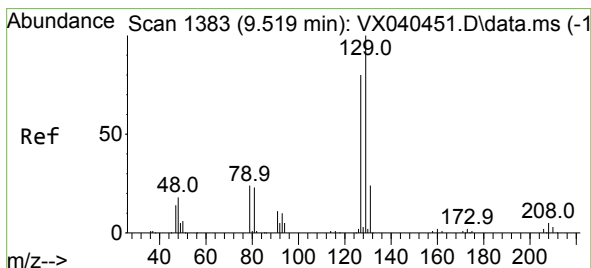
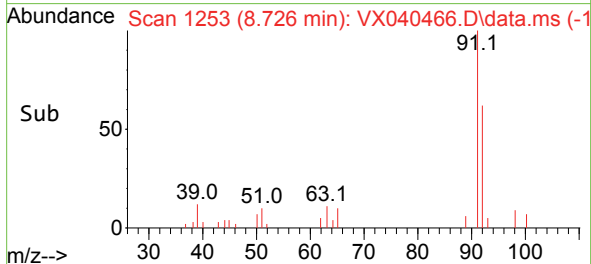
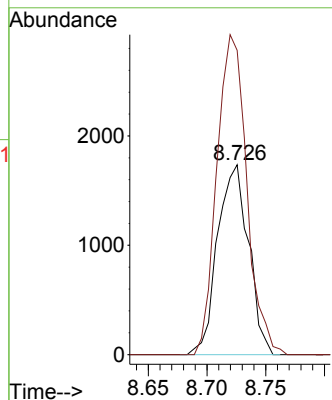
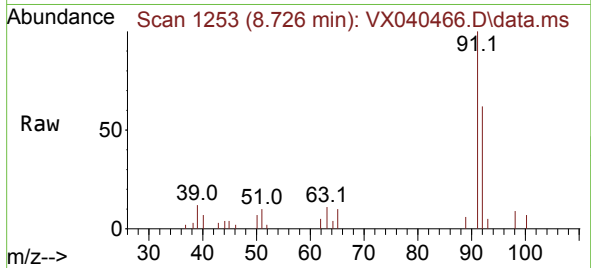




#52
Toluene
Concen: 1.426 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

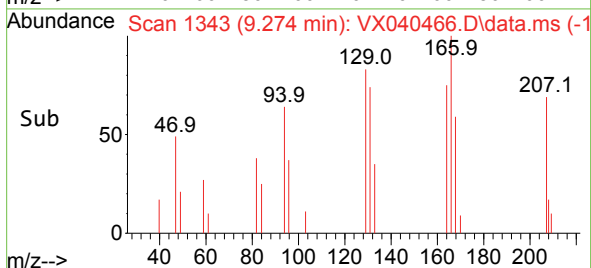
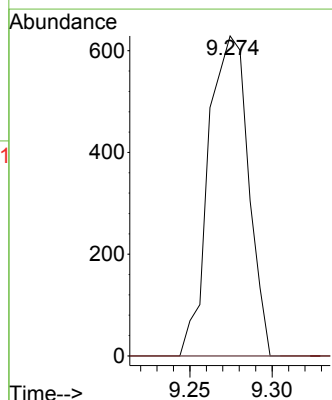
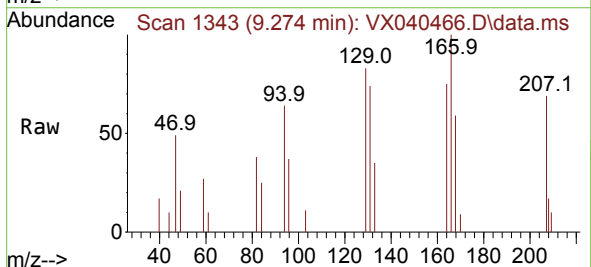
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20240222

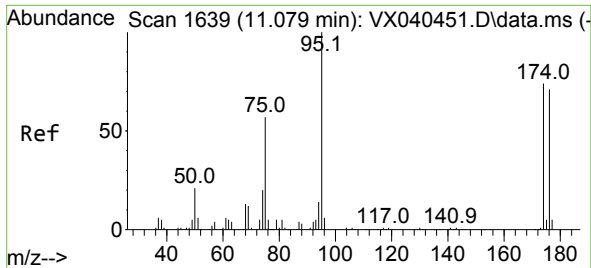
Tgt Ion: 92 Resp: 3185
Ion Ratio Lower Upper
92 100
91 162.8 134.2 201.2



#60
Dibromochloromethane
Concen: 1.048 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

Tgt Ion: 129 Resp: 1055
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

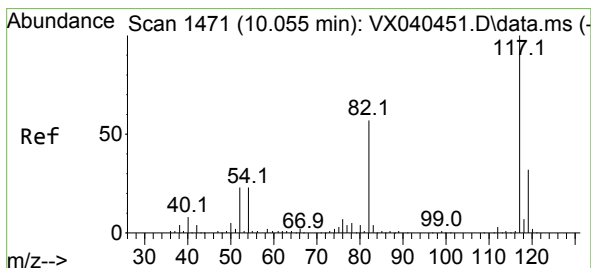
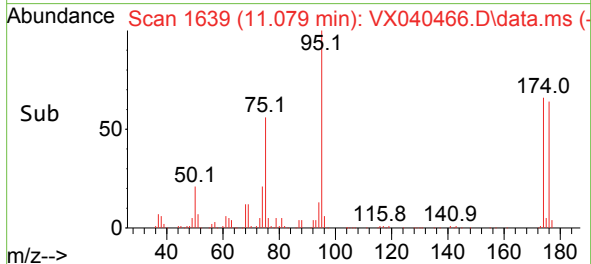
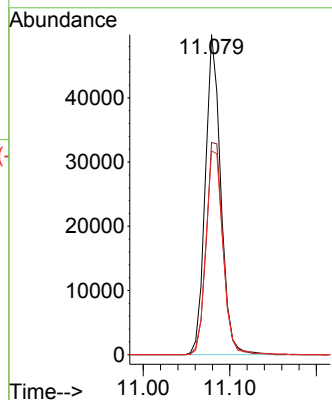
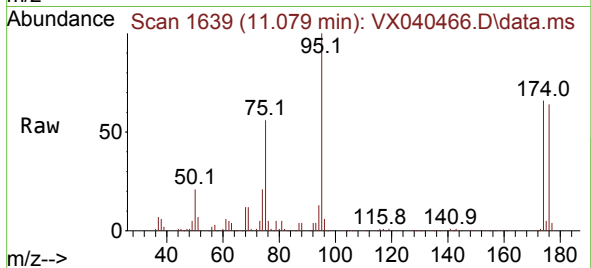




#62
4-Bromofluorobenzene
Concen: 51.204 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

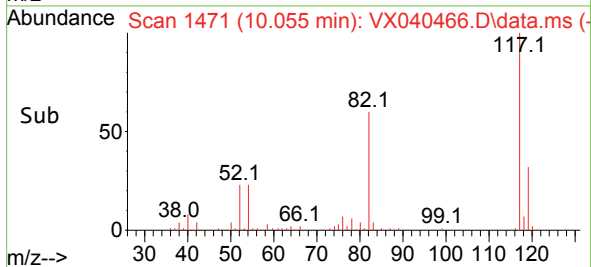
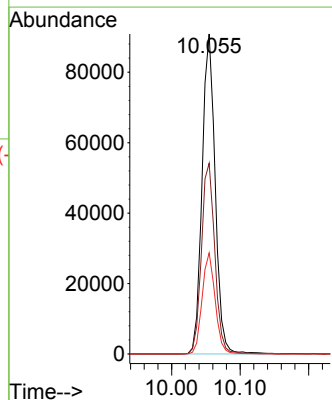
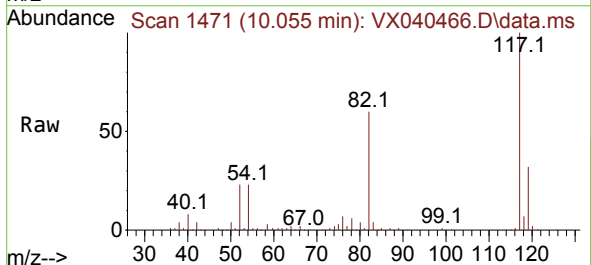
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20240222

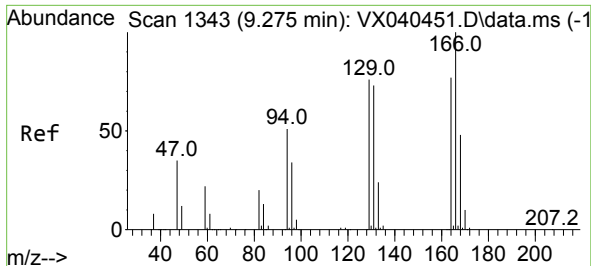
Tgt Ion: 95 Resp: 61799
Ion Ratio Lower Upper
95 100
174 72.0 0.0 135.6
176 70.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

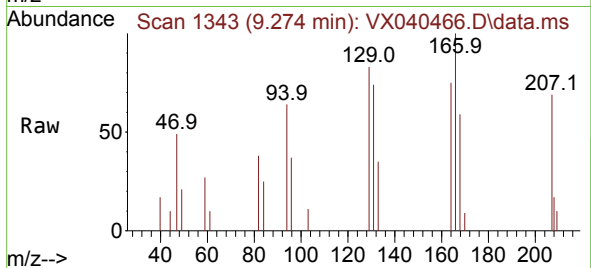
Tgt Ion: 117 Resp: 121155
Ion Ratio Lower Upper
117 100
82 59.6 46.2 69.4
119 31.6 25.5 38.3





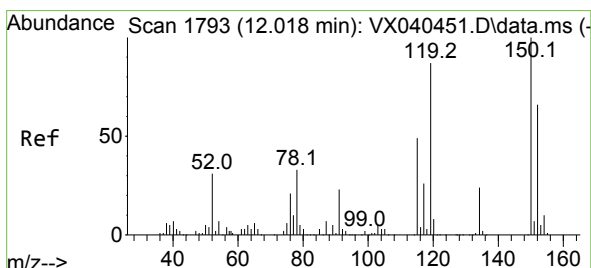
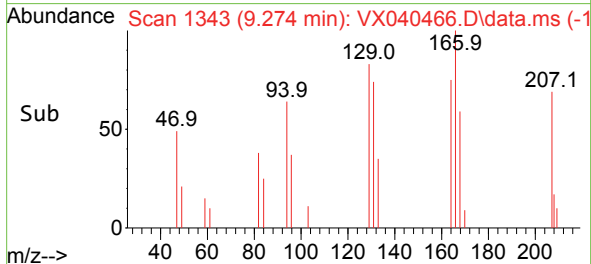
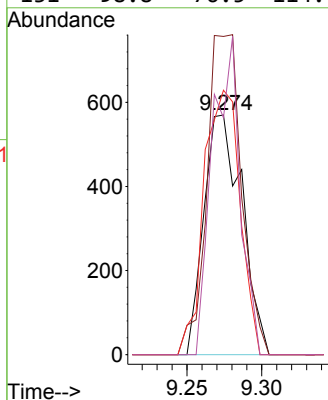
#64
Tetrachloroethene
Concen: 1.185 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20240222



Tgt Ion:164 Resp: 1008

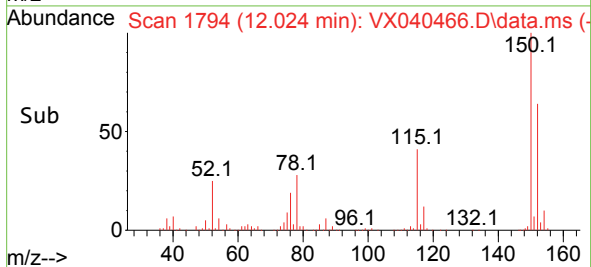
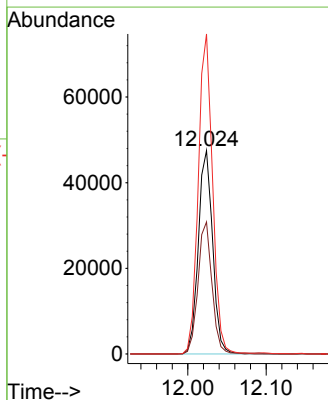
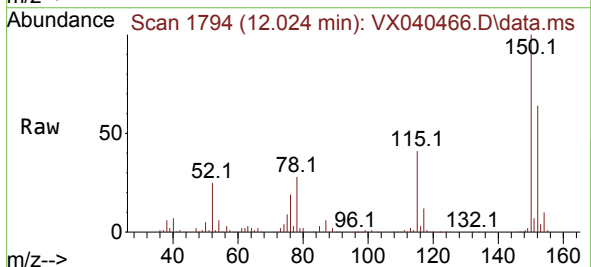
Ion	Ratio	Lower	Upper
164	100		
166	132.8	102.7	154.1
129	110.4	80.4	120.6
131	98.8	76.5	114.7

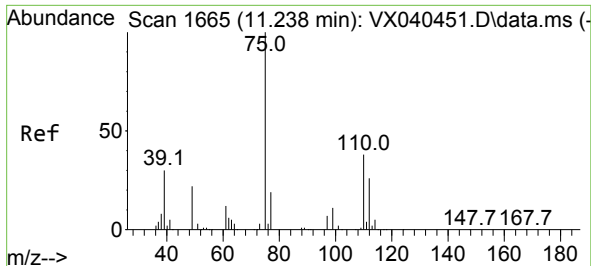


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

Tgt Ion:152 Resp: 60588

Ion	Ratio	Lower	Upper
152	100		
115	63.2	43.3	129.9
150	156.0	0.0	345.0

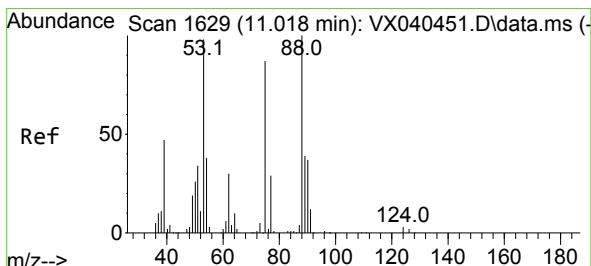
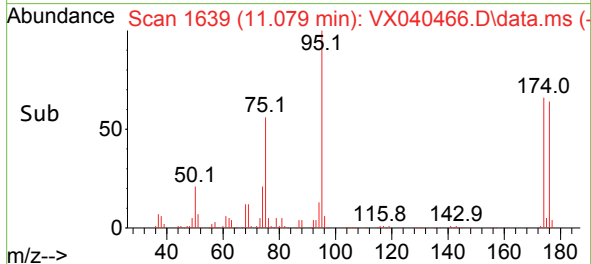
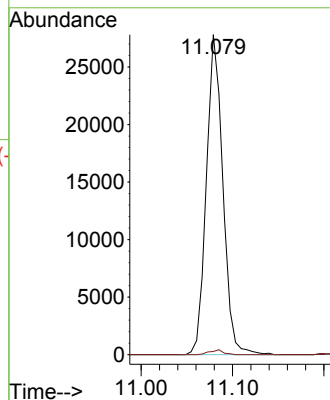
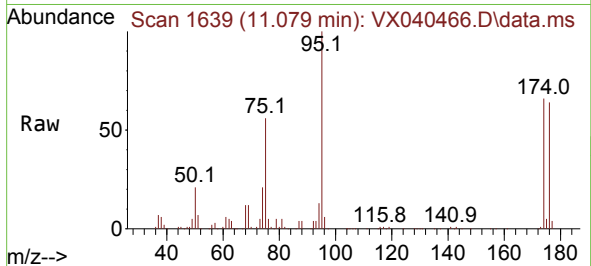




#76
1,2,3-Trichloropropane
Concen: 26.074 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

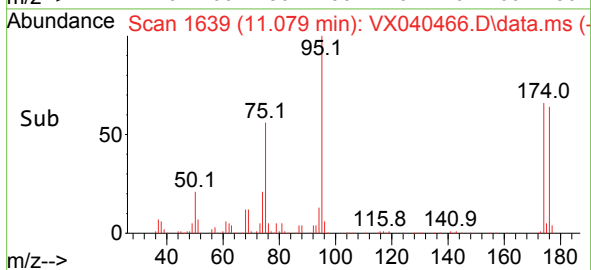
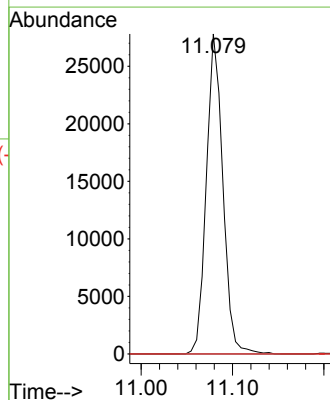
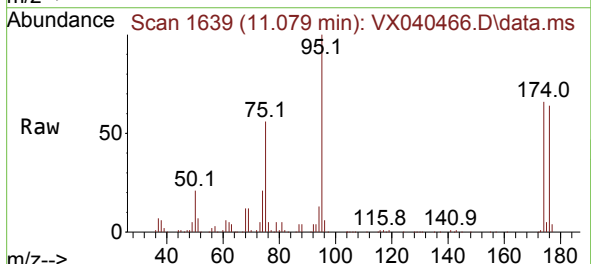
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20240222

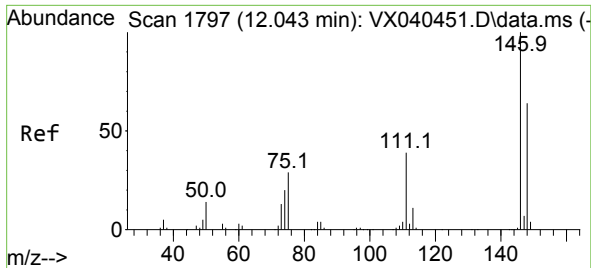
Tgt Ion: 75 Resp: 34768
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.879 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

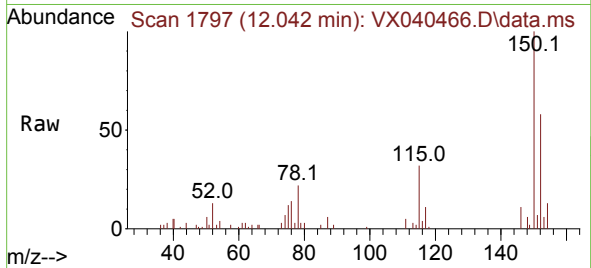
Tgt Ion: 75 Resp: 34768
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



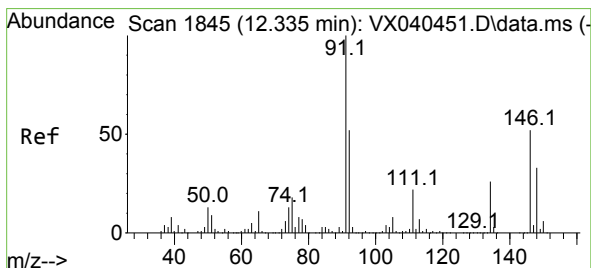
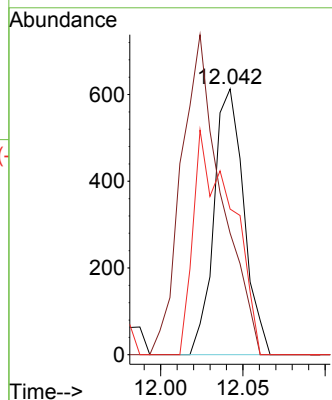
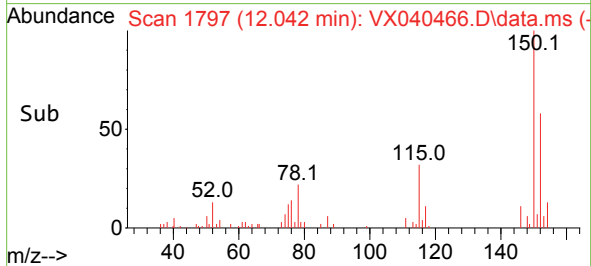


#88
1,4-Dichlorobenzene
Concen: 0.362 ug/l
RT: 12.042 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

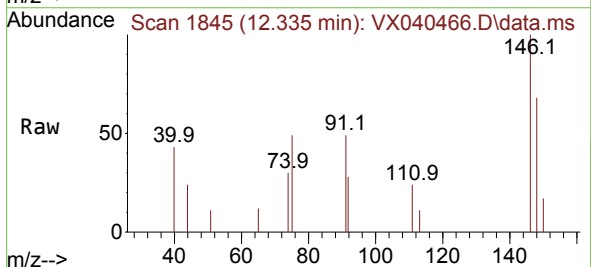
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20240222



Tgt Ion:146 Resp: 776
Ion Ratio Lower Upper
146 100
111 161.5 21.3 63.7#
148 108.8 31.8 95.4#



#91
1,2-Dichlorobenzene
Concen: 0.264 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25



Tgt Ion:146 Resp: 530
Ion Ratio Lower Upper
146 100
111 50.9 22.4 67.0
148 68.3 31.6 95.0

