

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)

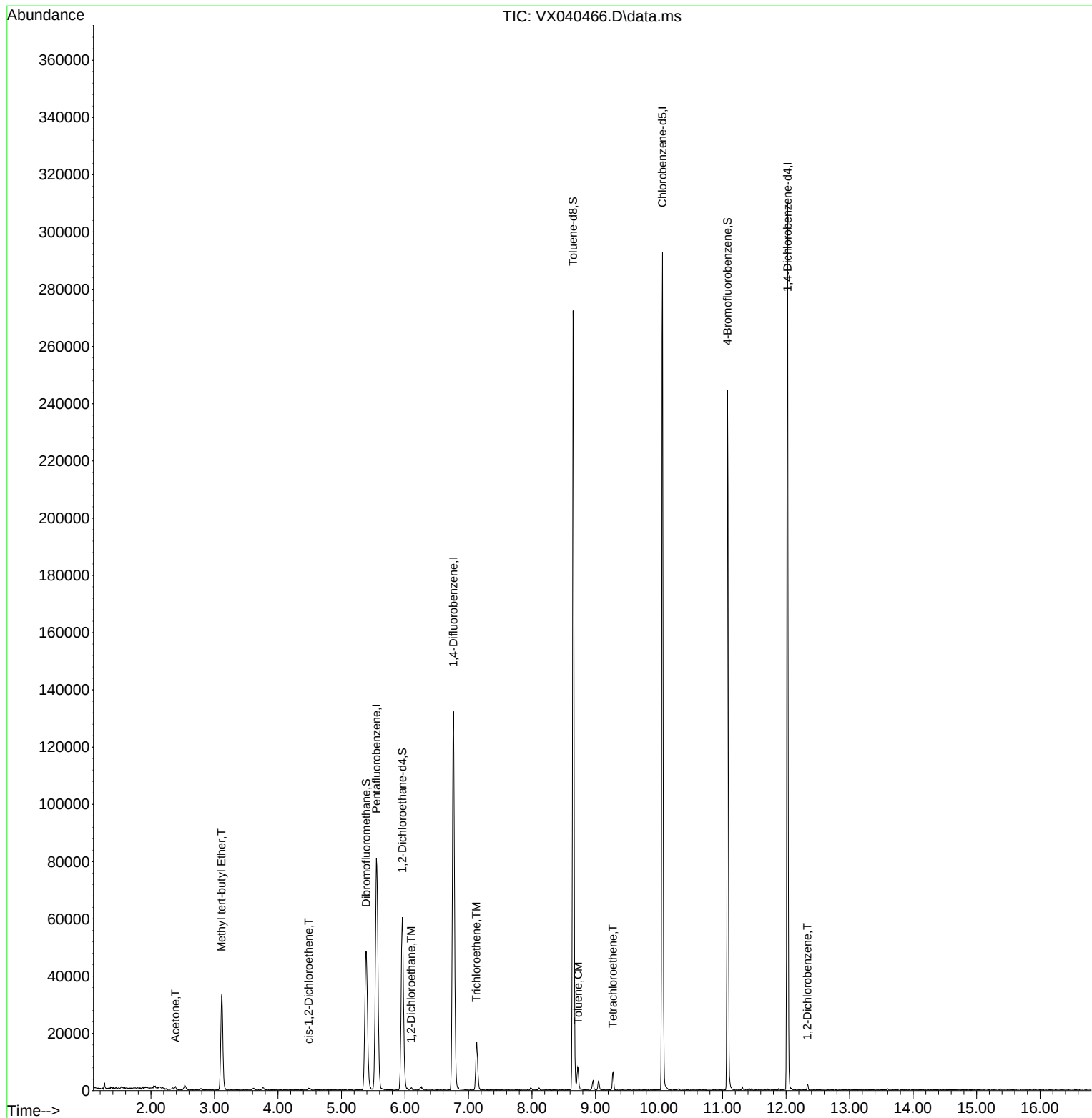
Internal Standards						
1) Pentafluorobenzene	5.549	168	70896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	125433	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	121155	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60588	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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	
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
27) cis-1,2-Dichloroethene	4.483	96	404	0.401	ug/l	77
42) 1,2-Dichloroethane	6.098	62	846	0.562	ug/l #	77
44) Trichloroethene	7.122	130	5750	5.876	ug/l	97
52) Toluene	8.726	92	3185	1.426	ug/l	96
64) Tetrachloroethene	9.274	164	1008	1.185	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	530	0.264	ug/l	92

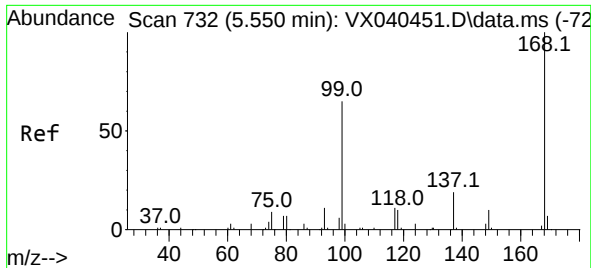
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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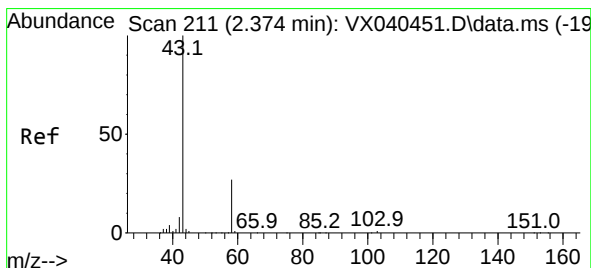
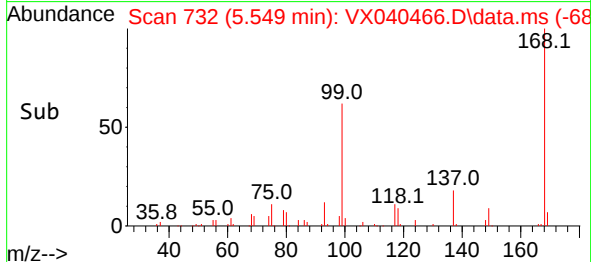
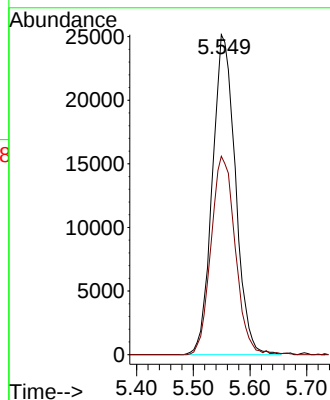
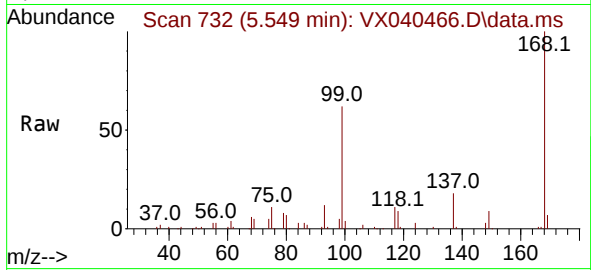




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

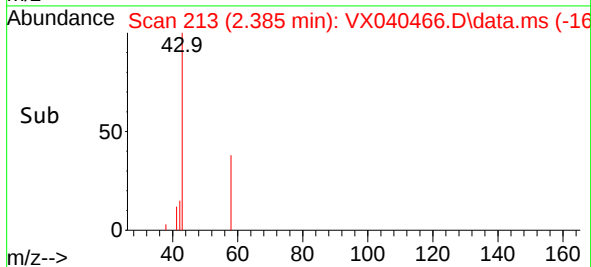
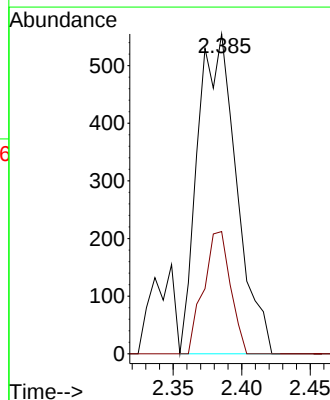
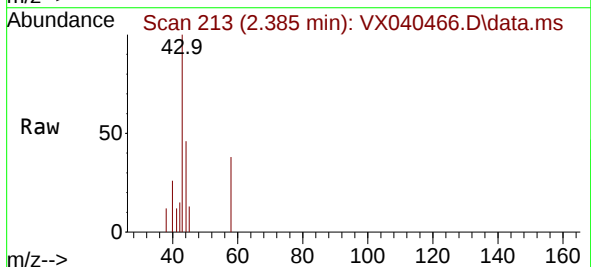
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20240222

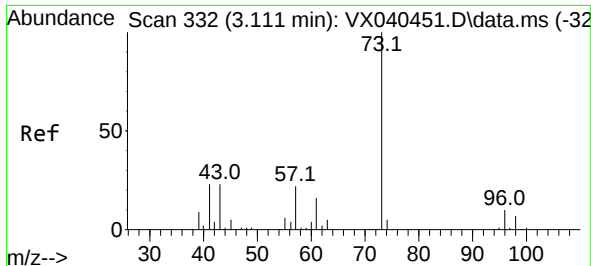
Tgt Ion:168 Resp: 70896
Ion Ratio Lower Upper
168 100
99 62.0 56.6 85.0



#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#

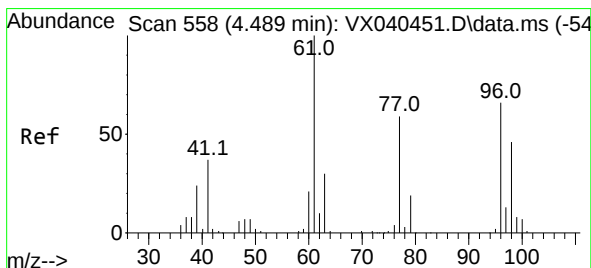
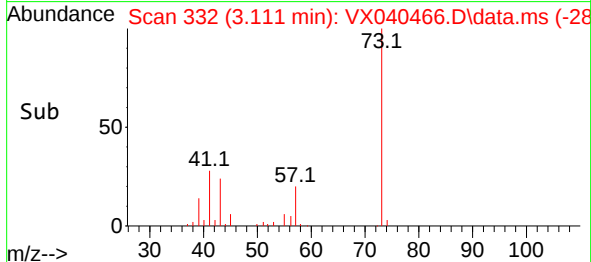
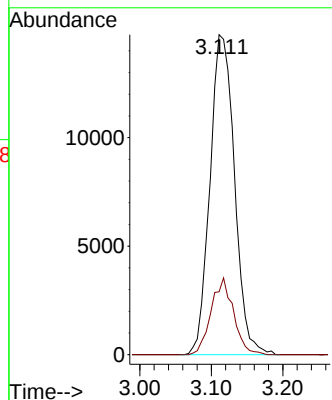
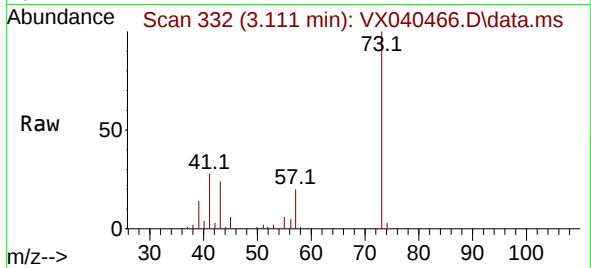




#19
Methyl tert-butyl Ether
Concen: 12.761 ug/l
RT: 3.111 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

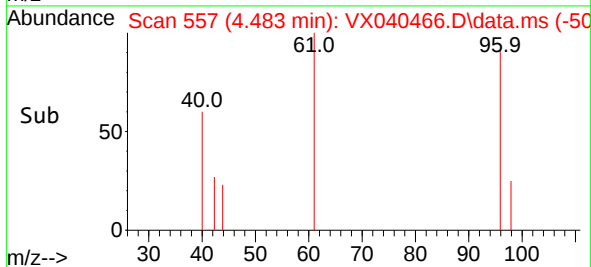
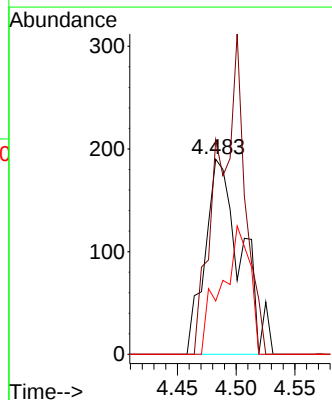
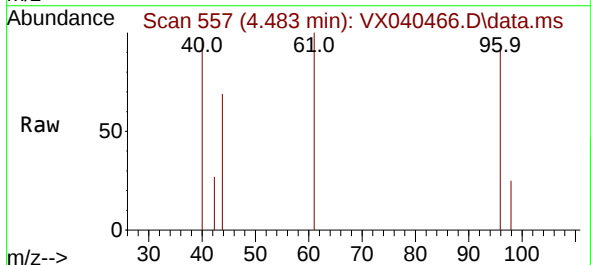
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20240222

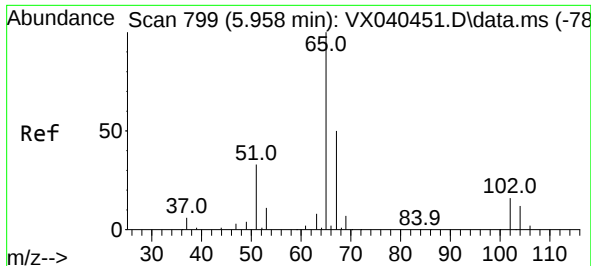
Tgt Ion: 73 Resp: 35159
Ion Ratio Lower Upper
73 100
57 19.6 17.3 25.9



#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





#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

Instrument :

MSVOA_X

ClientSampleId :

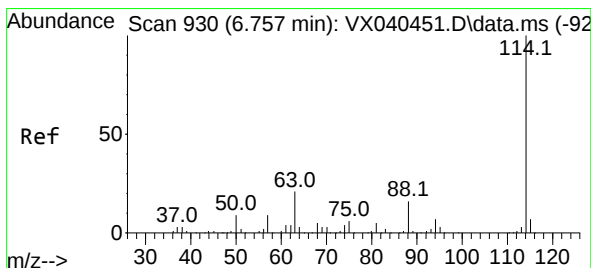
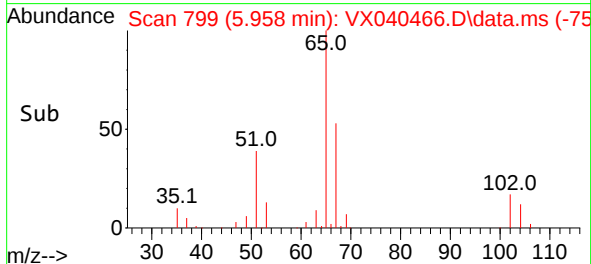
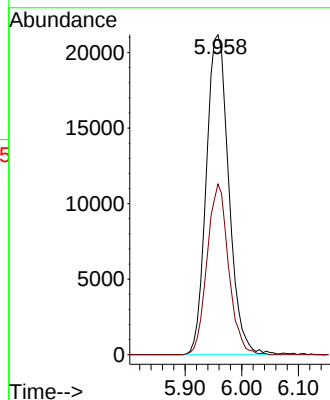
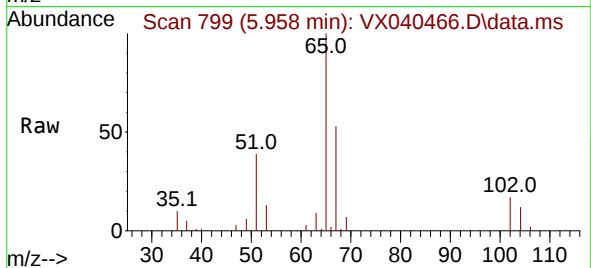
TT149S1-20240222

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# 931

Delta R.T. 0.006 min

Lab File: VX040466.D

Acq: 26 Feb 2024 17:25

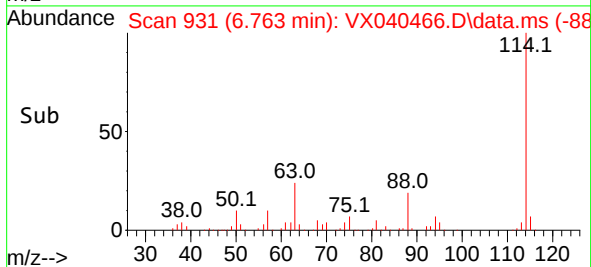
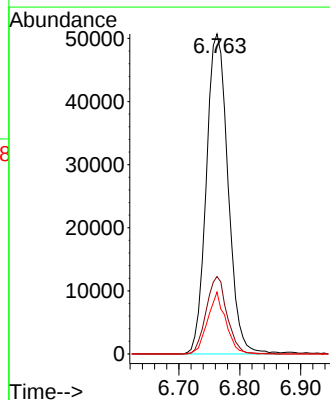
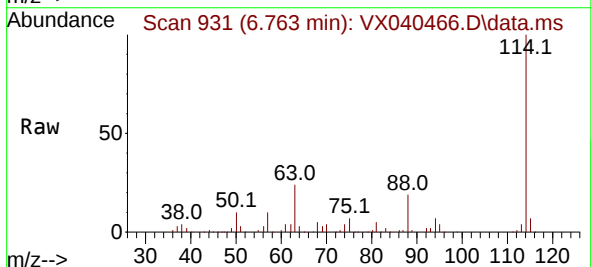
Tgt Ion: 114 Resp: 125433

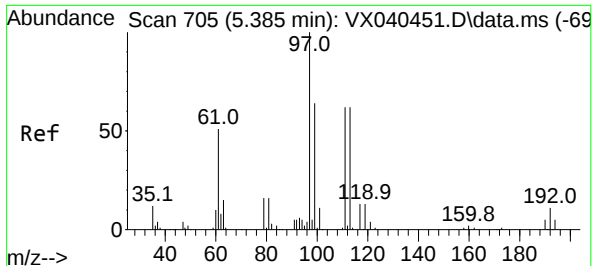
Ion Ratio Lower Upper

114 100

63 24.2 0.0 45.0

88 19.3 0.0 36.6

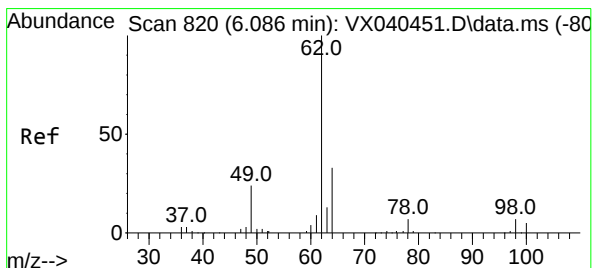
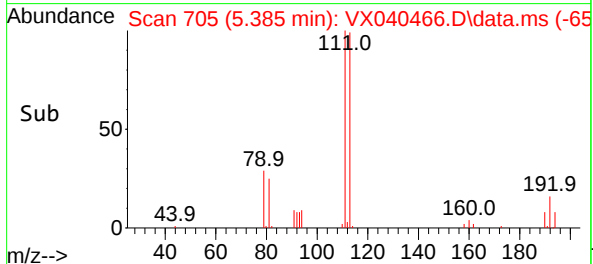
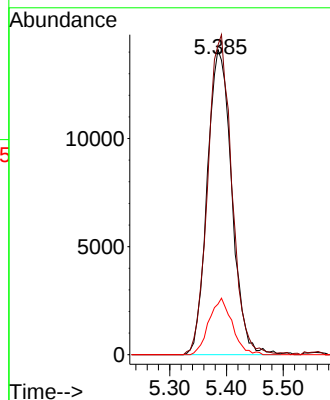
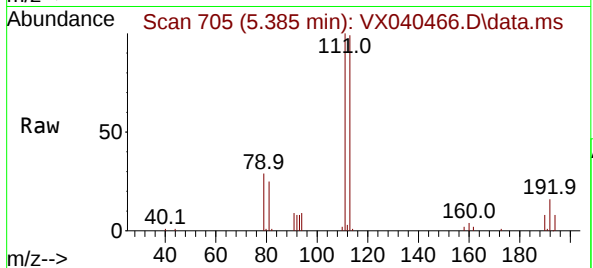




#35
Dibromofluoromethane
Concen: 48.454 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

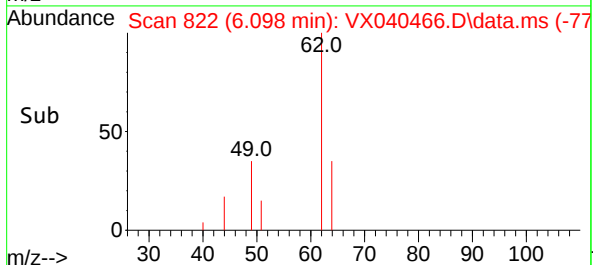
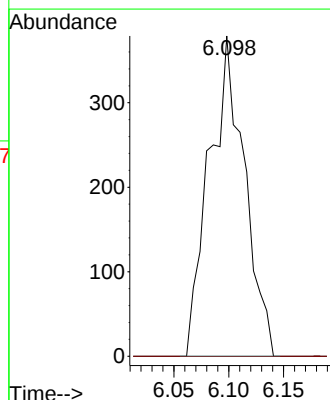
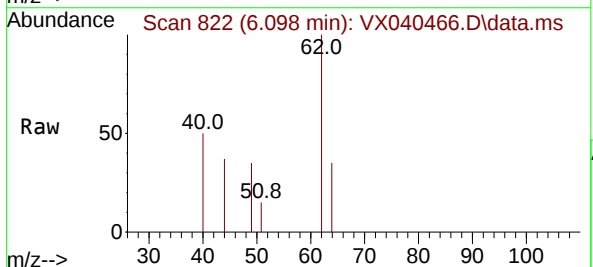
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20240222

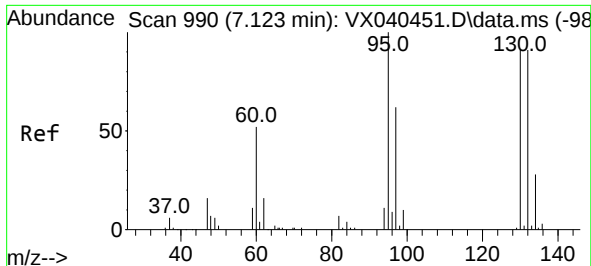
Tgt Ion:113 Resp: 42264
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 17.6 13.3 19.9



#42
1,2-Dichloroethane
Concen: 0.562 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.012 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

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

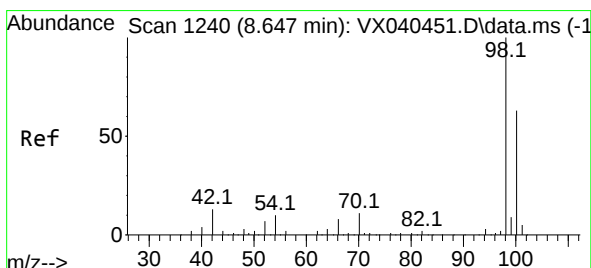
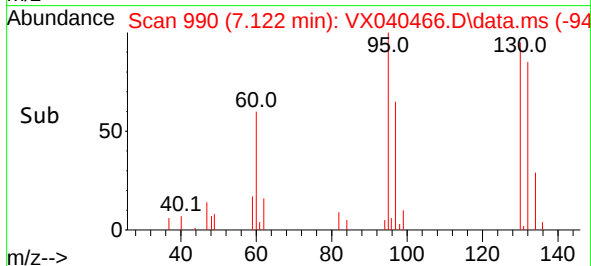
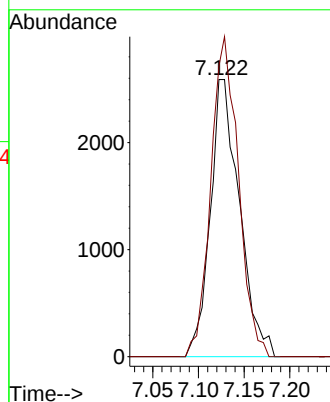
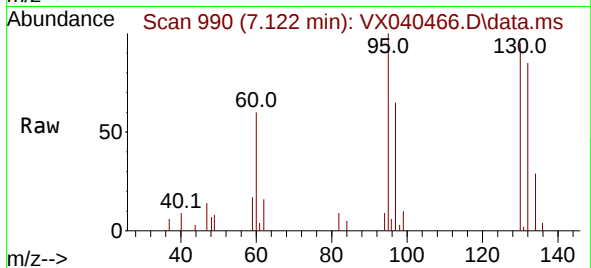




#44
Trichloroethene
Concen: 5.876 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

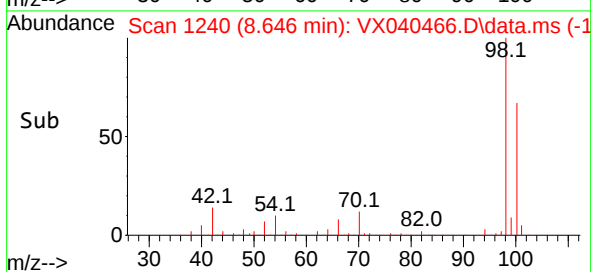
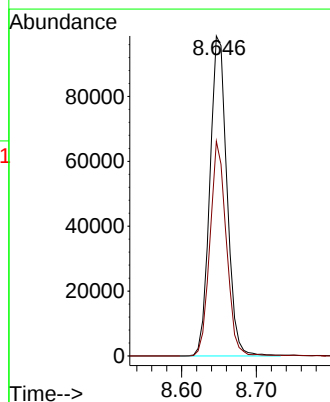
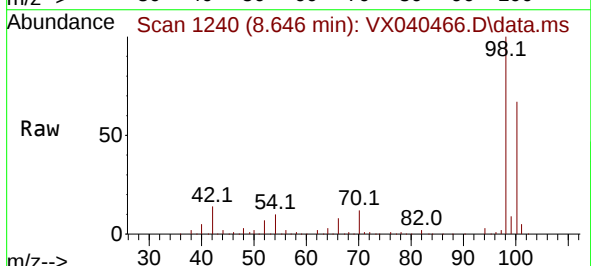
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20240222

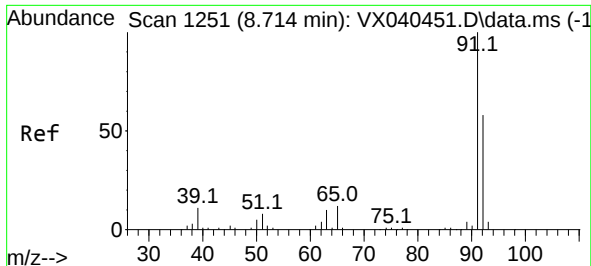
Tgt Ion:130 Resp: 5750
Ion Ratio Lower Upper
130 100
95 104.8 0.0 204.4



#50
Toluene-d8
Concen: 49.384 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

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





#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 :

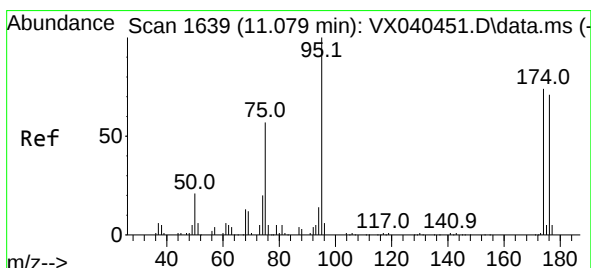
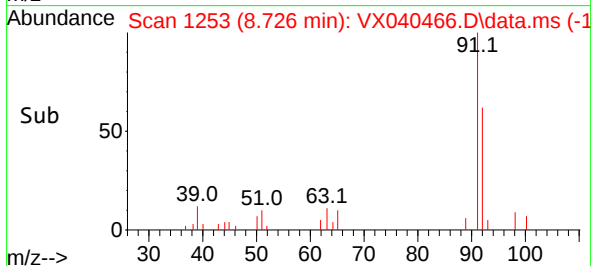
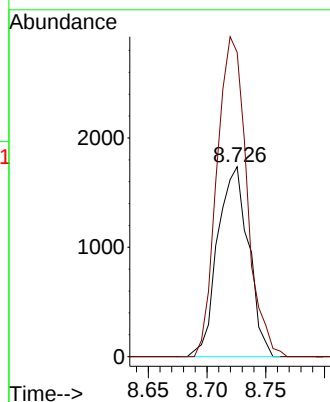
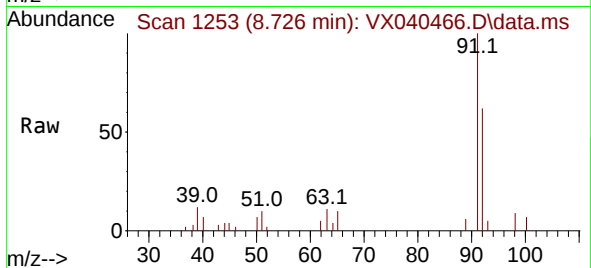
TT149S1-20240222

Tgt Ion: 92 Resp: 3185

Ion Ratio Lower Upper

92 100

91 162.8 134.2 201.2



#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

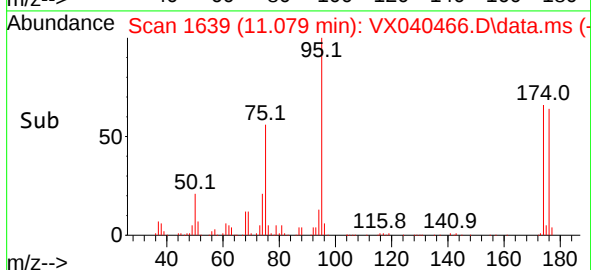
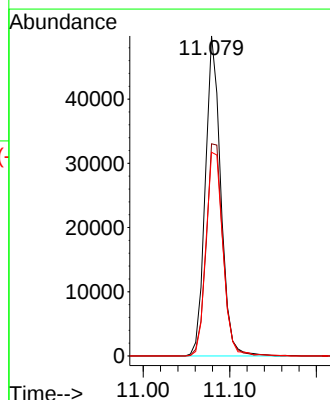
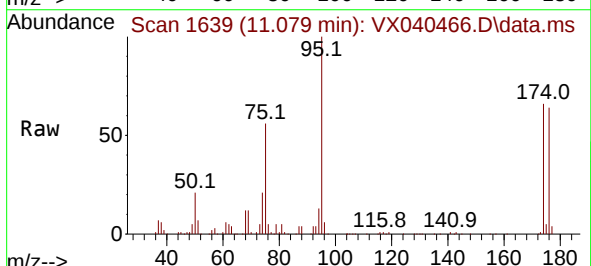
Tgt Ion: 95 Resp: 61799

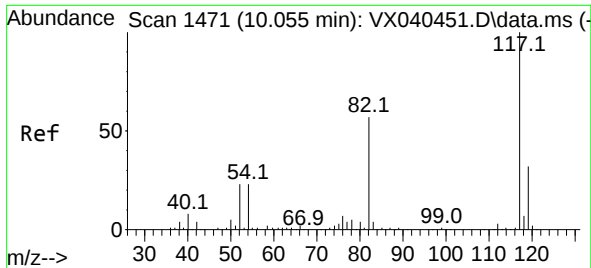
Ion Ratio Lower Upper

95 100

174 72.0 0.0 135.6

176 70.1 0.0 131.0

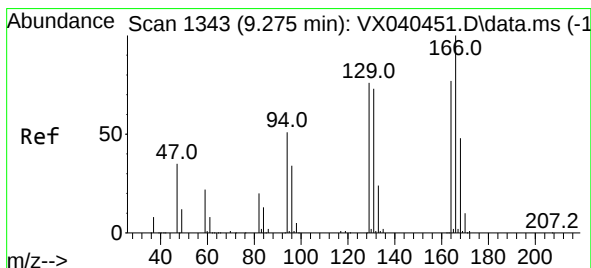
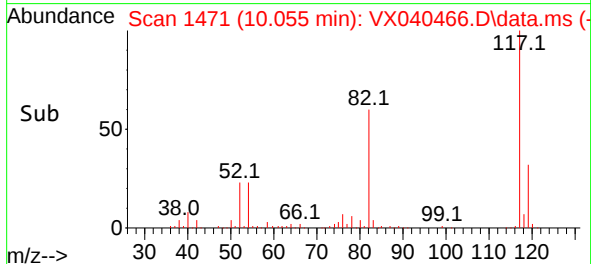
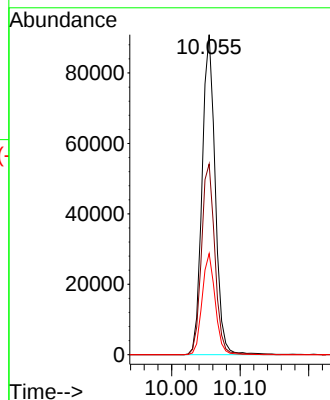
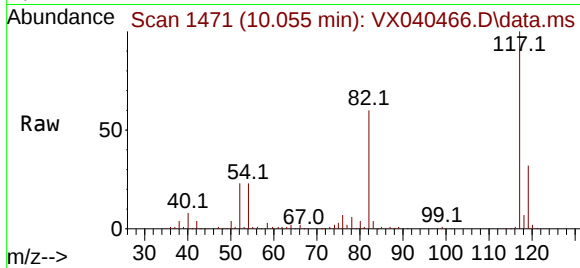




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

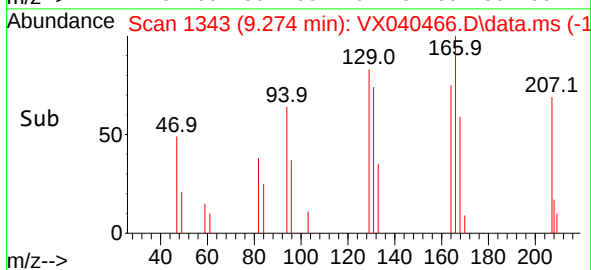
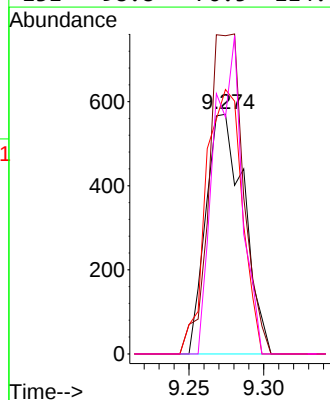
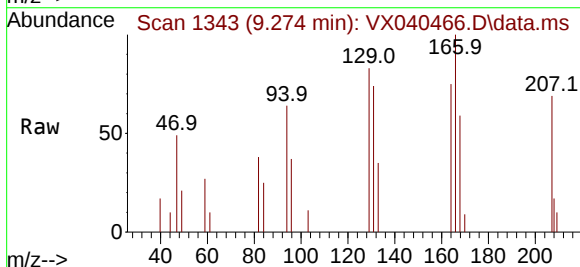
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20240222

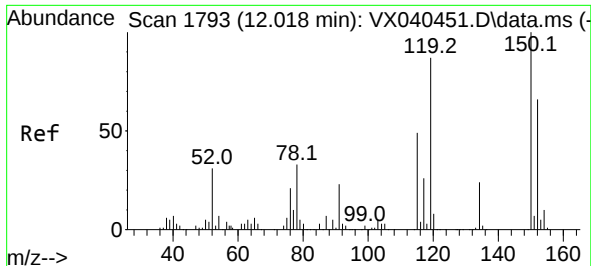
Tgt Ion:117 Resp: 121155
Ion Ratio Lower Upper
117 100
82 59.6 46.2 69.4
119 31.6 25.5 38.3



#64
Tetrachloroethene
Concen: 1.185 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

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

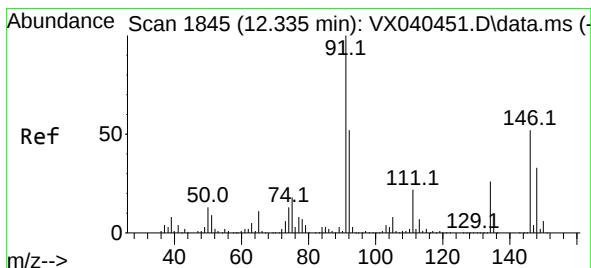
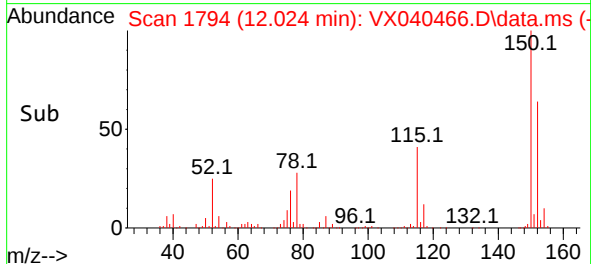
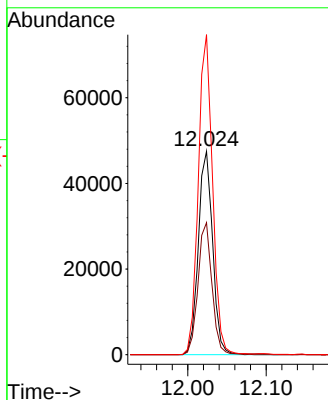
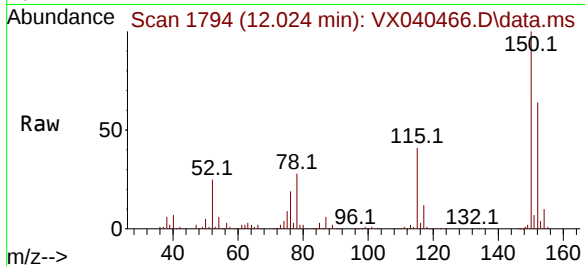




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040466.D
Acq: 26 Feb 2024 17:25

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20240222

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



#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

