

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
 Data File : VX044558.D
 Acq On : 30 Dec 2024 20:48
 Operator : JC/MD
 Sample : P5376-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT161S1-20241219

Quant Time: Dec 31 00:38:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 12 04:28:14 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

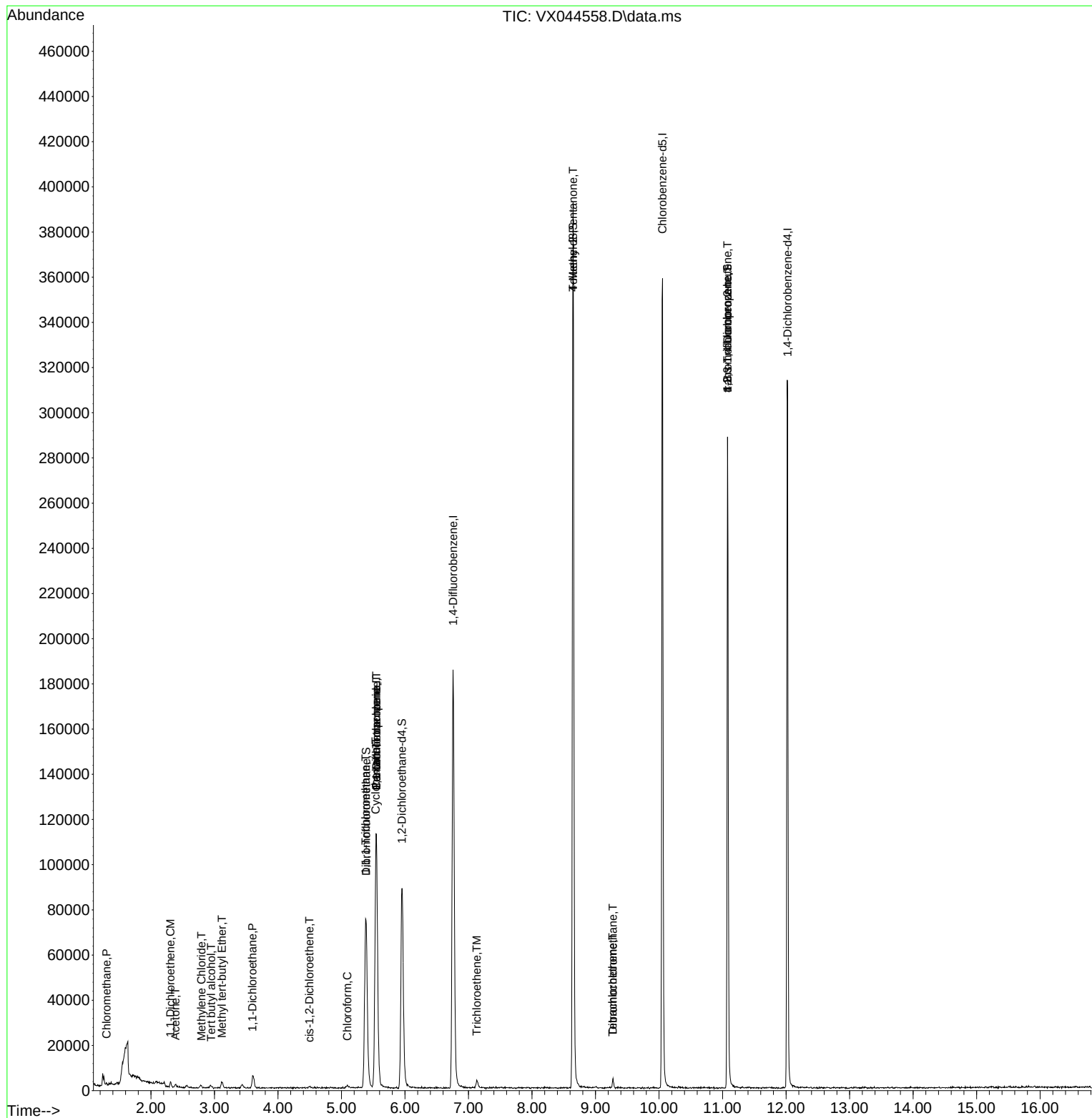
Internal Standards						
1) Pentafluorobenzene	5.550	168	105027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	186168	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	163359	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	66627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84530	45.904	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.800%
35) Dibromofluoromethane	5.385	113	65178	50.550	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.100%
50) Toluene-d8	8.647	98	233818	53.751	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	107.500%
62) 4-Bromofluorobenzene	11.079	95	73565	48.398	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	654	0.421	ug/l	89
11) Tert butyl alcohol	2.946	59	428	1.649	ug/l #	71
12) 1,1-Dichloroethene	2.306	96	599	0.509	ug/l	92
16) Acetone	2.386	43	1084	1.444	ug/l #	77
19) Methyl tert-butyl Ether	3.117	73	2758	0.600	ug/l	94
20) Methylene Chloride	2.794	84	604	0.428	ug/l #	64
24) 1,1-Dichloroethane	3.599	63	6222	2.528	ug/l #	91
27) cis-1,2-Dichloroethene	4.495	96	389	0.245	ug/l	60
30) Chloroform	5.092	83	1222	0.442	ug/l	92
31) Cyclohexane	5.537	56	2802	1.410	ug/l #	39
32) 1,1,1-Trichloroethane	5.379	97	556	0.242	ug/l #	24
36) 1,1-Dichloropropene	5.550	75	8993	5.396	ug/l #	50
38) Carbon Tetrachloride	5.550	117	10978	6.118	ug/l #	17
44) Trichloroethene	7.129	130	1465	1.161	ug/l	88
51) 4-Methyl-2-Pentanone	8.647	43	1183	0.571	ug/l #	1
60) Dibromochloromethane	9.275	129	674	1.745	ug/l #	11
64) Tetrachloroethene	9.269	164	722	0.666	ug/l	84
76) 1,2,3-Trichloropropane	11.079	75	39678	26.672	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	39678	73.480	ug/l #	4

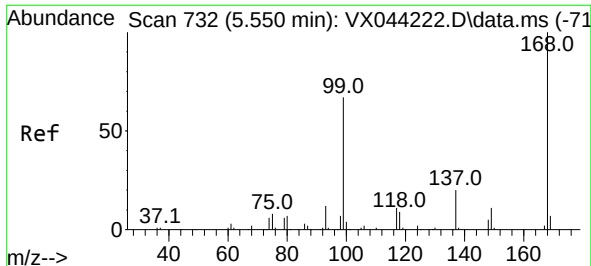
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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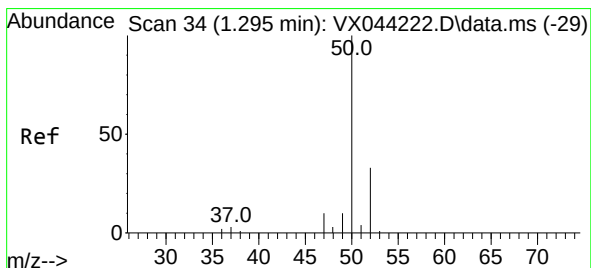
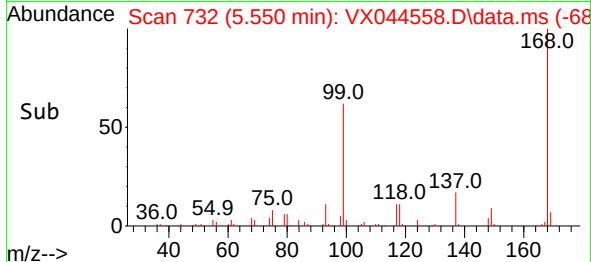
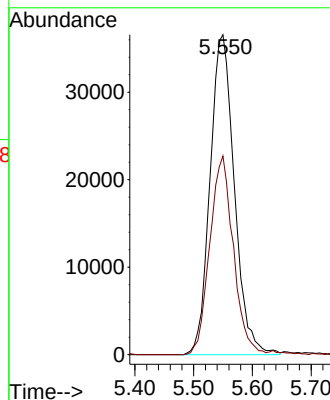
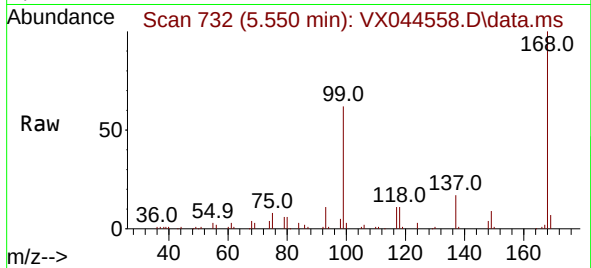




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

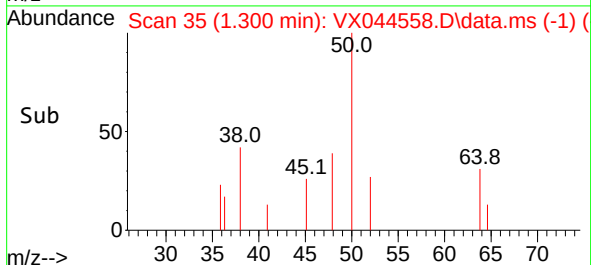
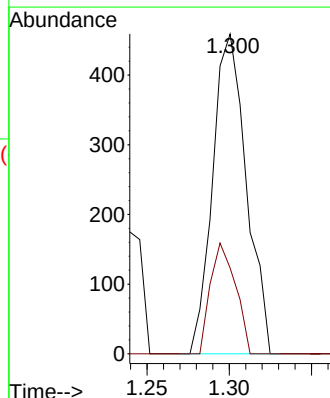
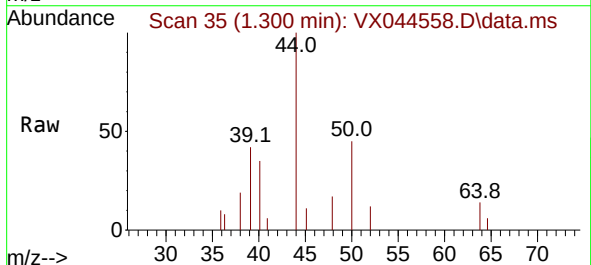
Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20241219

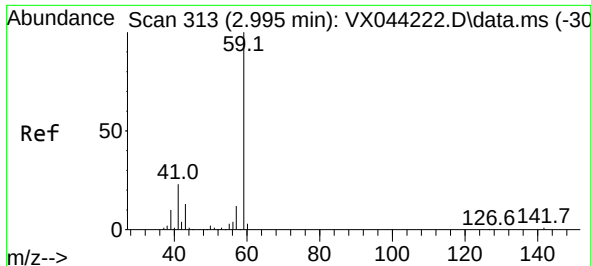
Tgt Ion:168 Resp: 105027
Ion Ratio Lower Upper
168 100
99 62.1 53.4 80.0



#3
Chloromethane
Concen: 0.421 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

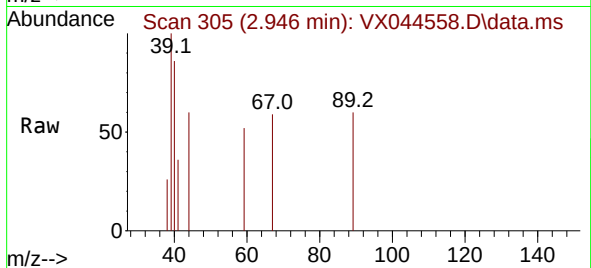
Tgt Ion: 50 Resp: 654
Ion Ratio Lower Upper
50 100
52 26.8 26.5 39.7



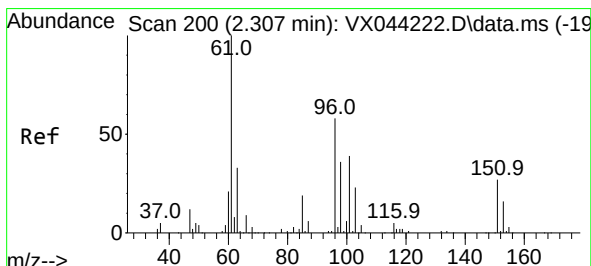
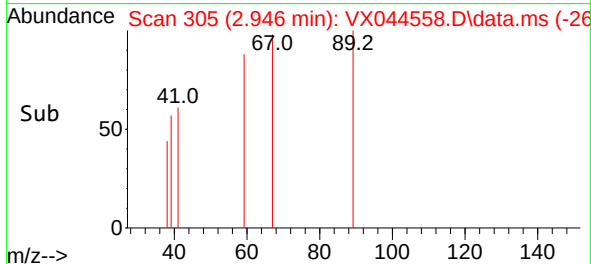
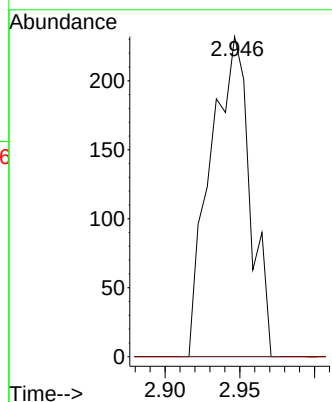


#11
Tert butyl alcohol
Concen: 1.649 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20241219

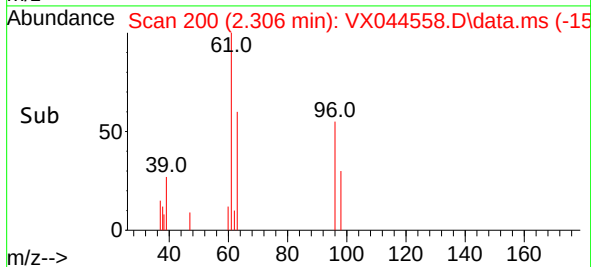
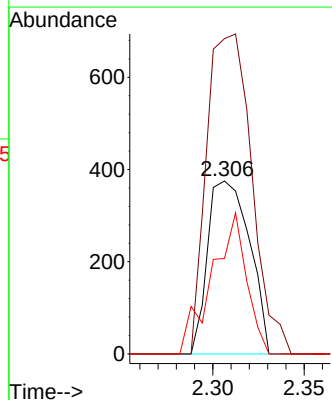
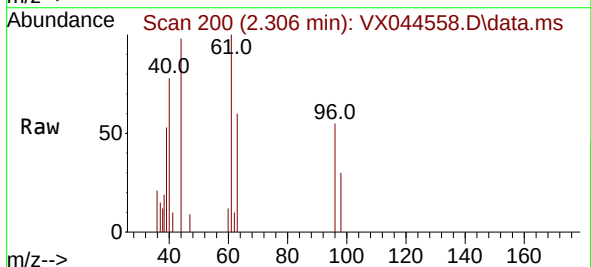


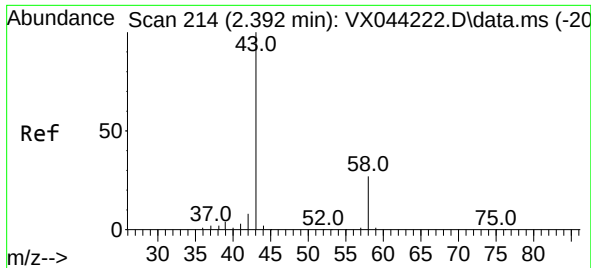
Tgt Ion: 59 Resp: 428
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 0.509 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

Tgt Ion: 96 Resp: 599
Ion Ratio Lower Upper
96 100
61 182.4 138.0 207.0
98 55.2 50.0 75.0

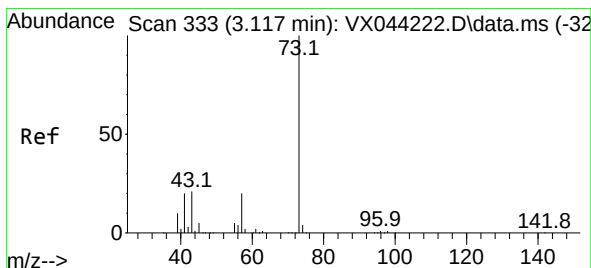
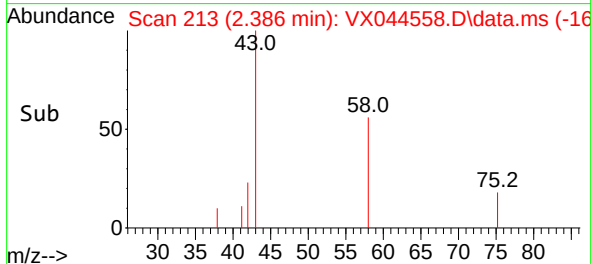
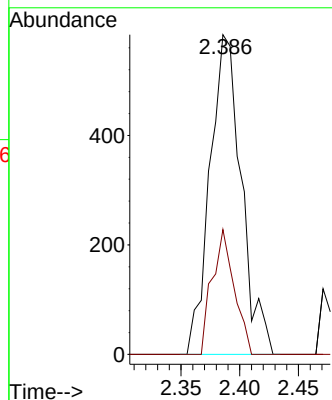
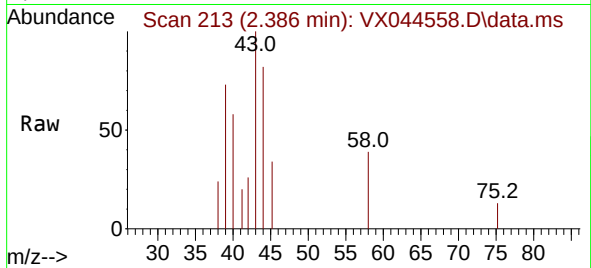




#16
Acetone
Concen: 1.444 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

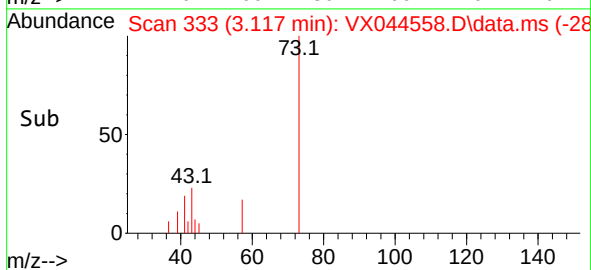
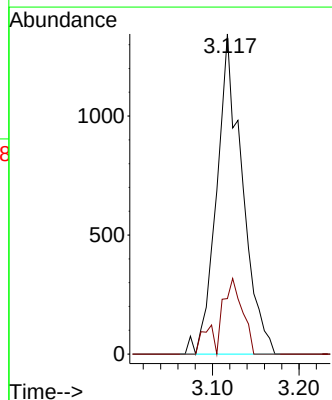
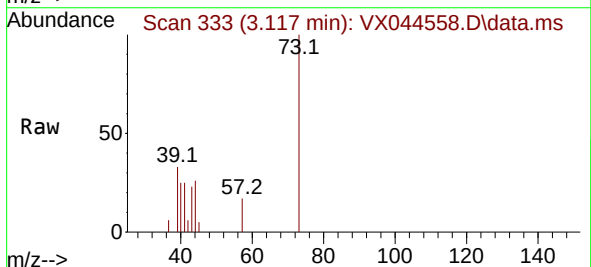
Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20241219

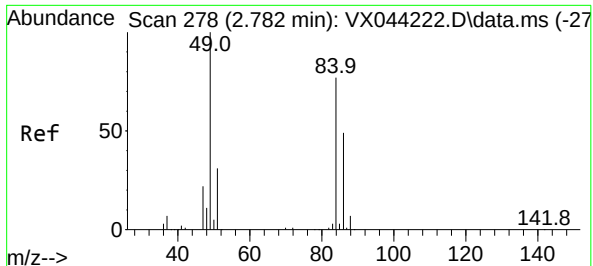
Tgt Ion: 43 Resp: 1084
Ion Ratio Lower Upper
43 100
58 39.0 21.6 32.4#



#19
Methyl tert-butyl Ether
Concen: 0.600 ug/l
RT: 3.117 min Scan# 333
Delta R.T. -0.000 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

Tgt Ion: 73 Resp: 2758
Ion Ratio Lower Upper
73 100
57 17.3 16.2 24.4

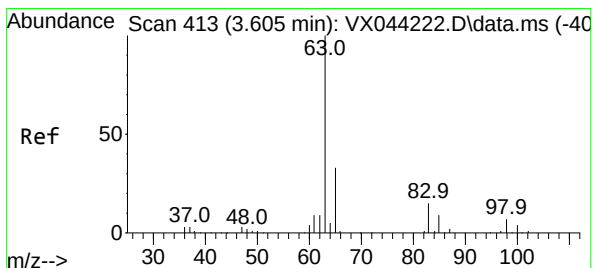
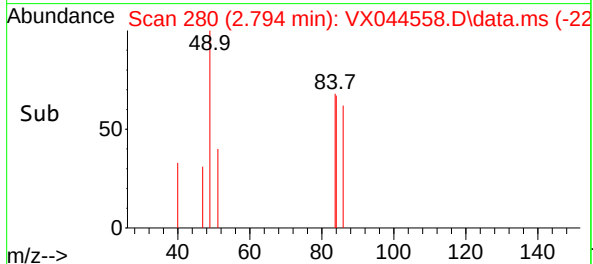
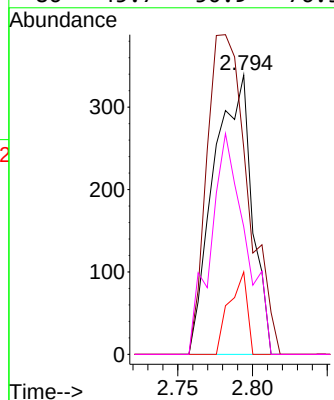
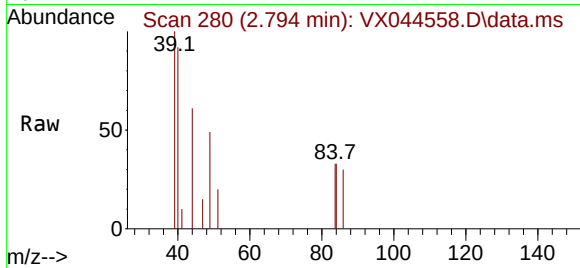




#20
Methylene Chloride
Concen: 0.428 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

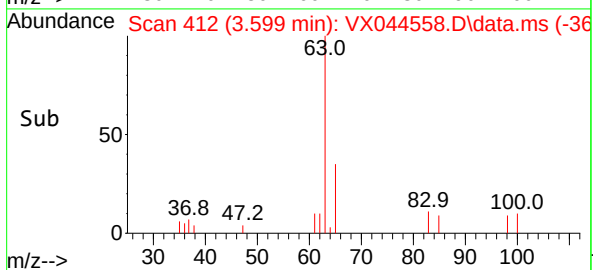
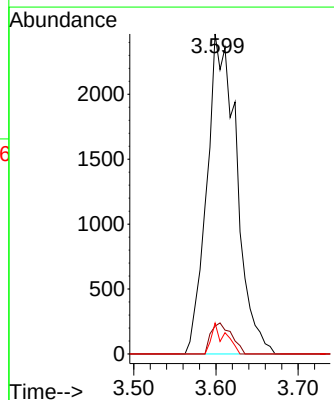
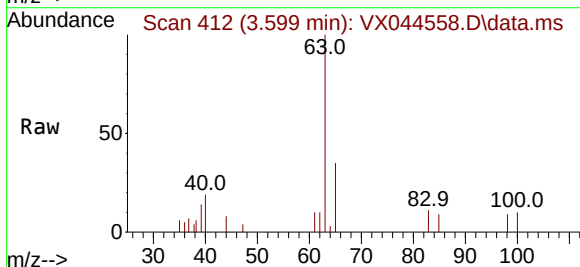
Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20241219

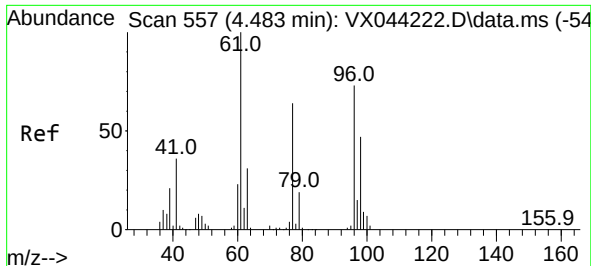
Tgt Ion:	84	Resp:	604
Ion	Ratio	Lower	Upper
84	100		
49	74.0	104.2	156.4#
51	29.5	32.2	48.4#
86	45.7	50.9	76.3#



#24
1,1-Dichloroethane
Concen: 2.528 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

Tgt Ion:	63	Resp:	6222
Ion	Ratio	Lower	Upper
63	100		
98	8.7	3.6	10.8
100	9.7	2.1	6.3#





#27

cis-1,2-Dichloroethene

Concen: 0.245 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX044558.D

Acq: 30 Dec 2024 20:48

Instrument :

MSVOA_X

ClientSampleId :

TT161S1-20241219

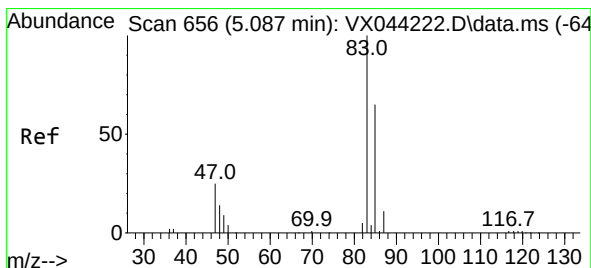
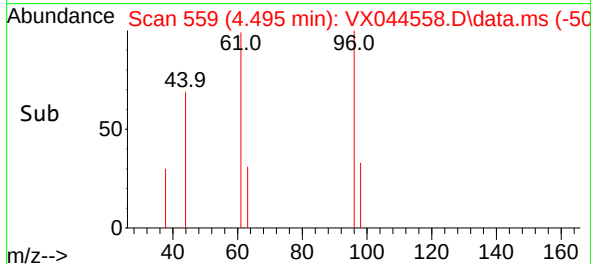
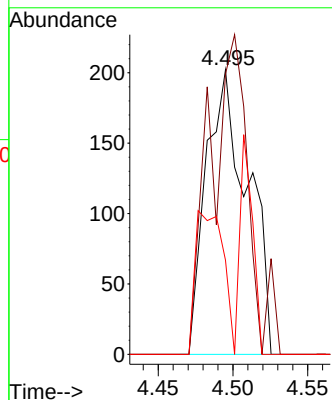
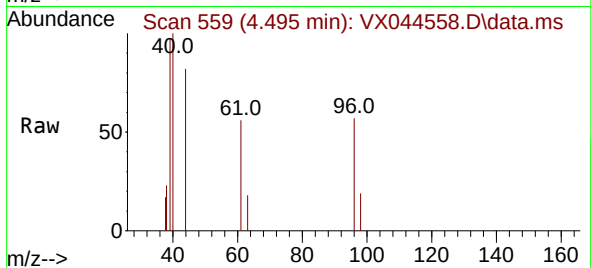
Tgt Ion: 96 Resp: 389

Ion Ratio Lower Upper

96 100

61 104.9 0.0 299.0

98 23.4 0.0 129.0



#30

Chloroform

Concen: 0.442 ug/l

RT: 5.092 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX044558.D

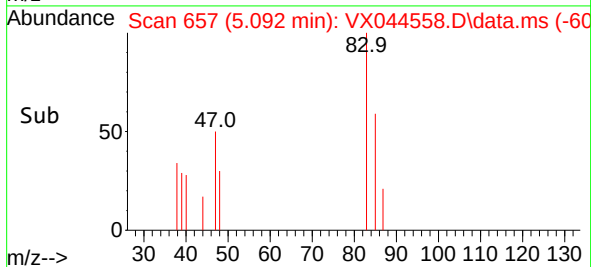
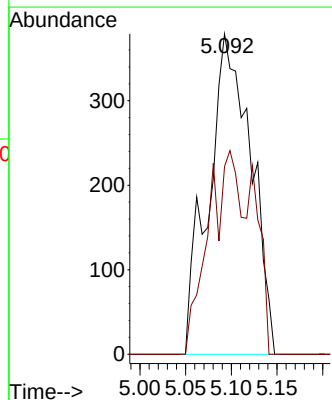
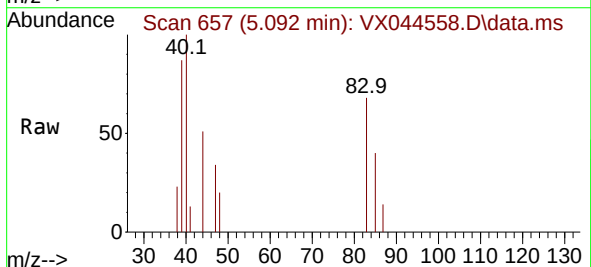
Acq: 30 Dec 2024 20:48

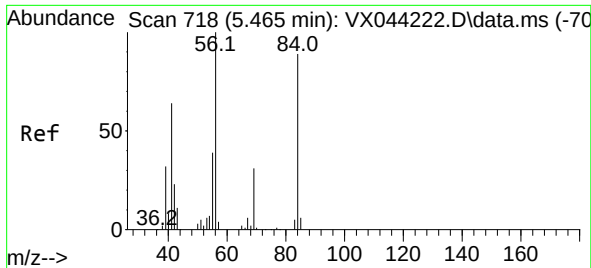
Tgt Ion: 83 Resp: 1222

Ion Ratio Lower Upper

83 100

85 58.6 51.6 77.4





#31

Cyclohexane

Concen: 1.410 ug/l

RT: 5.537 min Scan# 718

Delta R.T. 0.073 min

Lab File: VX044558.D

Acq: 30 Dec 2024 20:48

Instrument :

MSVOA_X

ClientSampleId :

TT161S1-20241219

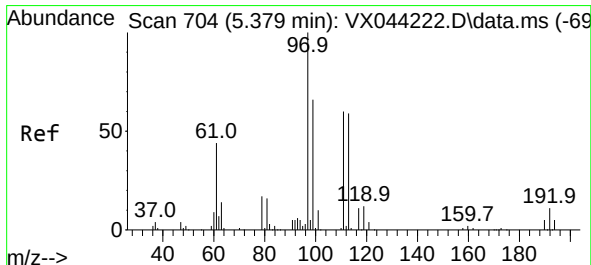
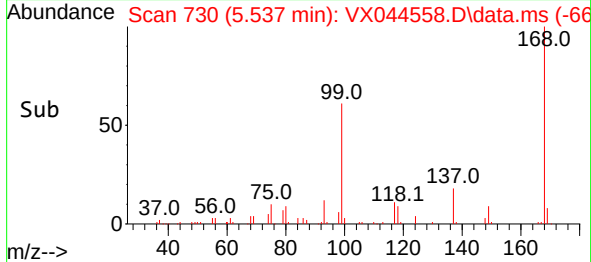
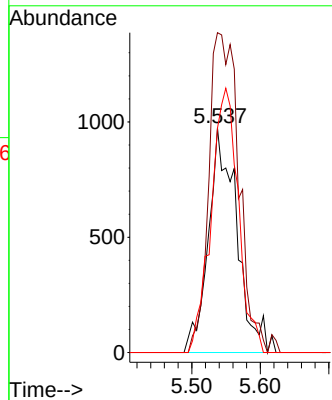
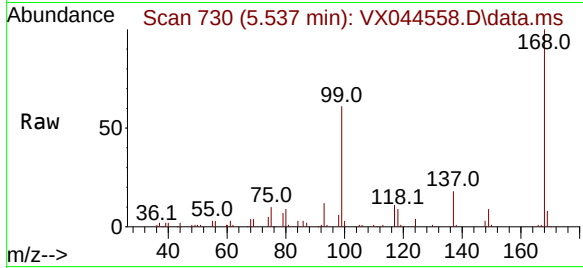
Tgt Ion: 56 Resp: 2802

Ion Ratio Lower Upper

56 100

69 142.4 24.7 37.1#

84 99.9 71.0 106.6



#32

1,1,1-Trichloroethane

Concen: 0.242 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX044558.D

Acq: 30 Dec 2024 20:48

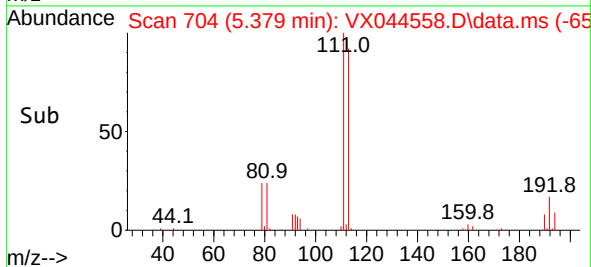
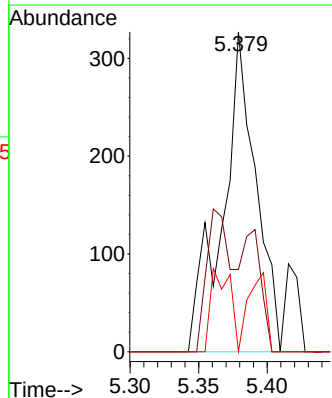
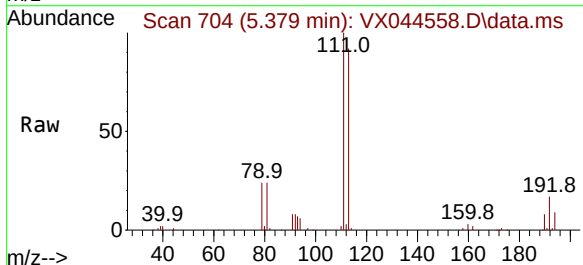
Tgt Ion: 97 Resp: 556

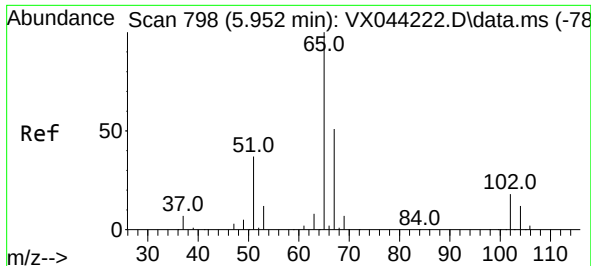
Ion Ratio Lower Upper

97 100

99 0.0 50.8 76.2#

61 0.0 35.2 52.8#





#33

1,2-Dichloroethane-d4

Concen: 45.904 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX044558.D

Acq: 30 Dec 2024 20:48

Instrument :

MSVOA_X

ClientSampleId :

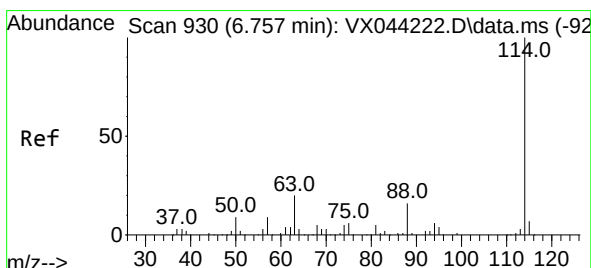
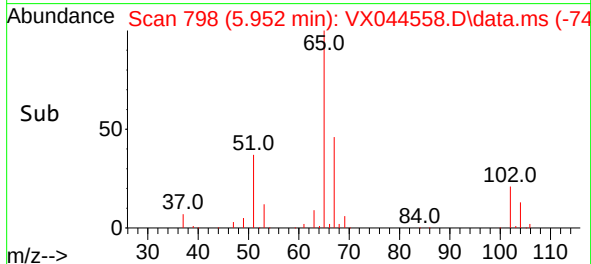
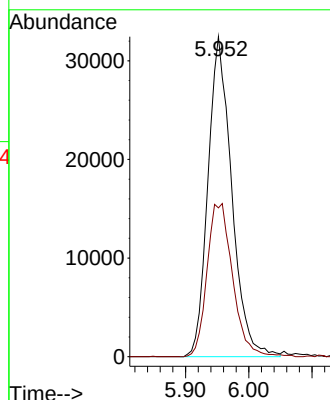
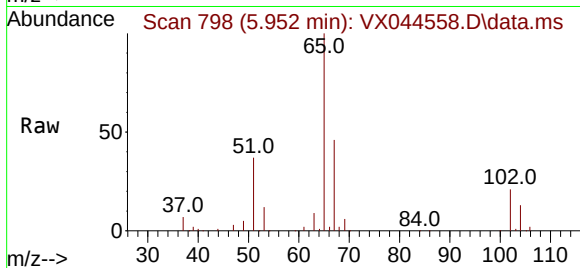
TT161S1-20241219

Tgt Ion: 65 Resp: 84530

Ion Ratio Lower Upper

65 100

67 51.7 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044558.D

Acq: 30 Dec 2024 20:48

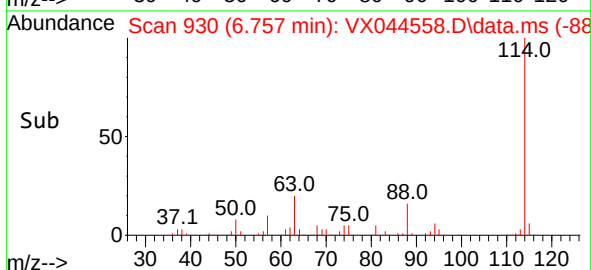
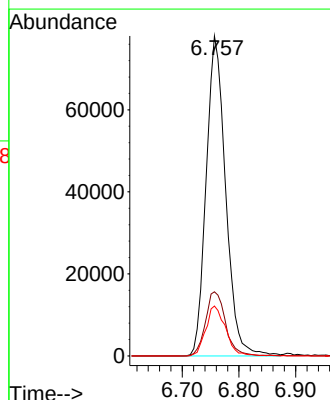
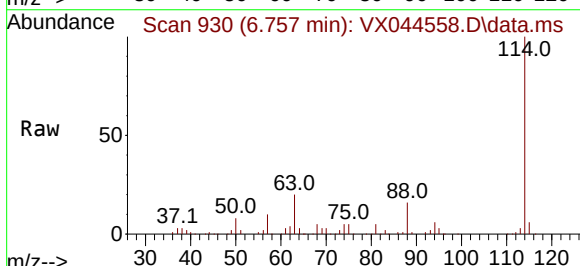
Tgt Ion: 114 Resp: 186168

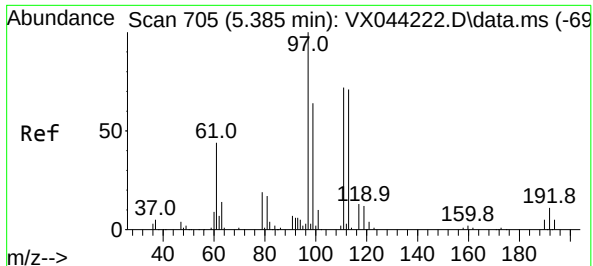
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.6

88 15.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.550 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX044558.D

Acq: 30 Dec 2024 20:48

Instrument :

MSVOA_X

ClientSampleId :

TT161S1-20241219

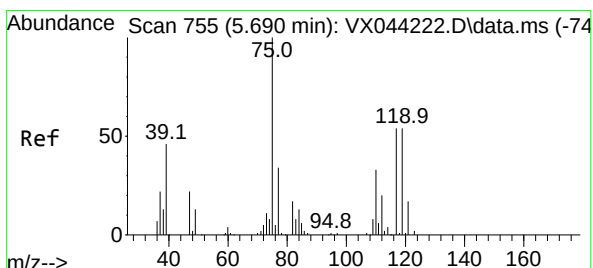
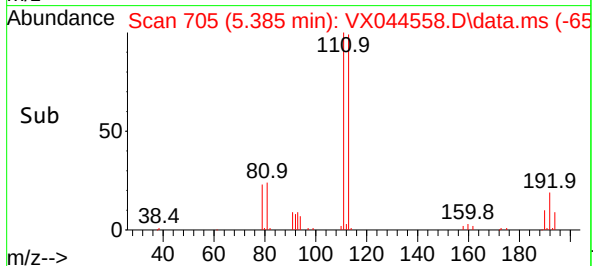
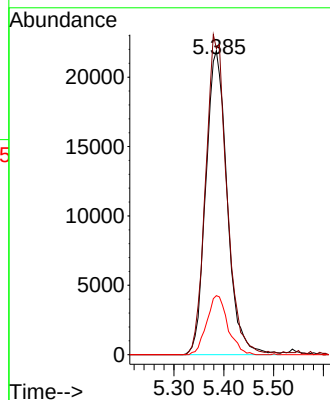
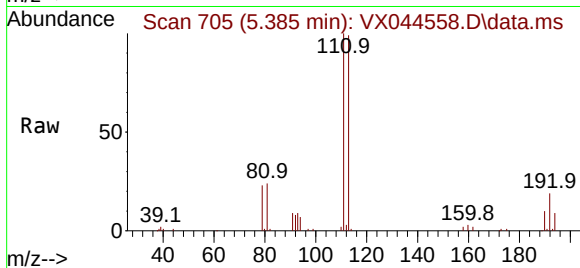
Tgt Ion:113 Resp: 65178

Ion Ratio Lower Upper

113 100

111 103.9 80.4 120.6

192 19.2 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.396 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX044558.D

Acq: 30 Dec 2024 20:48

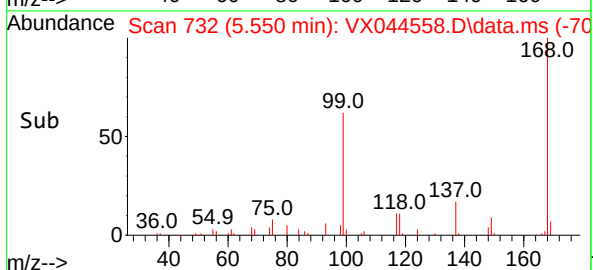
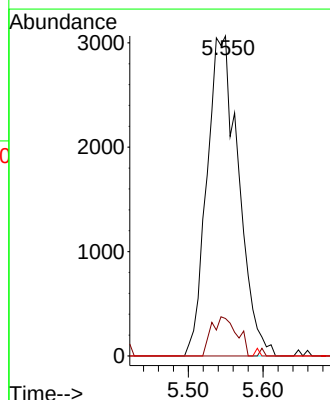
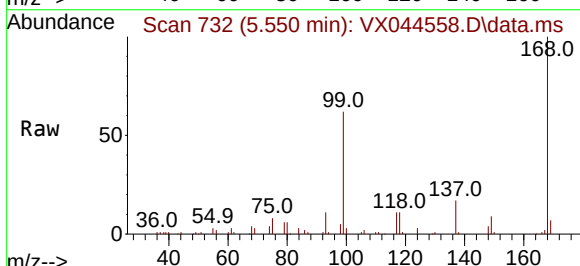
Tgt Ion: 75 Resp: 8993

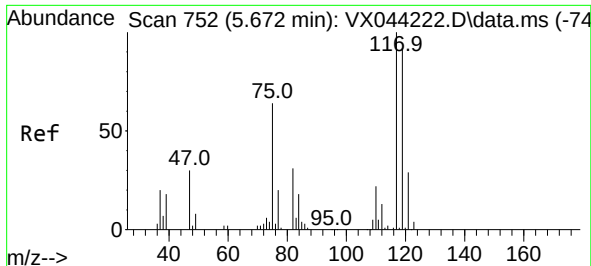
Ion Ratio Lower Upper

75 100

110 9.8 17.3 51.7#

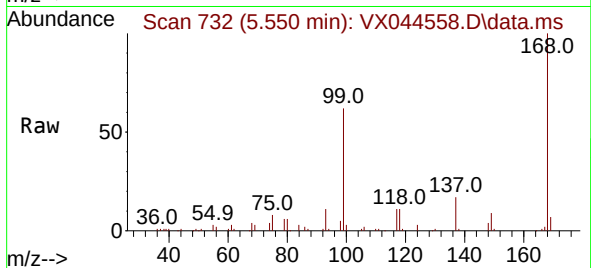
77 0.0 25.4 38.0#



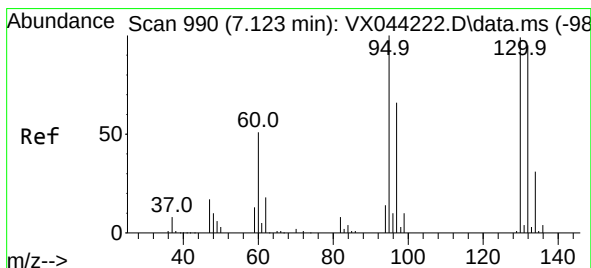
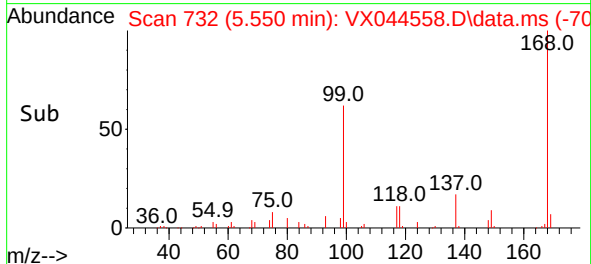
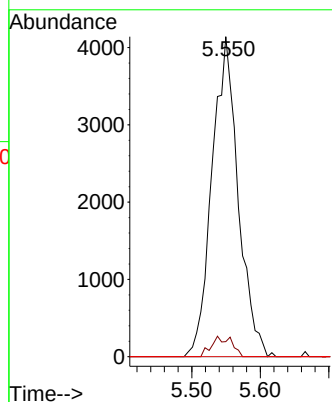


#38
Carbon Tetrachloride
Concen: 6.118 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20241219

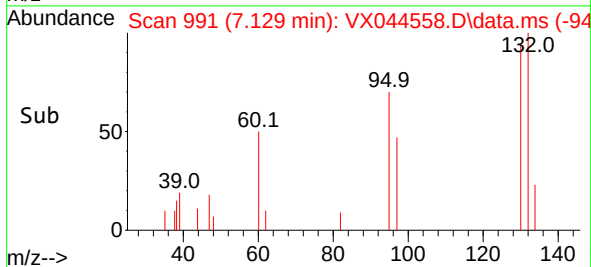
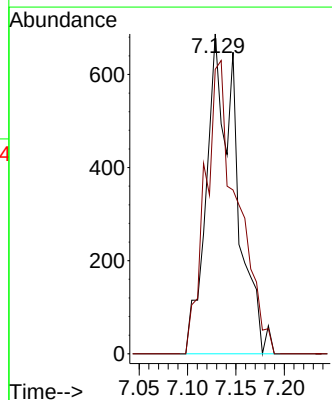
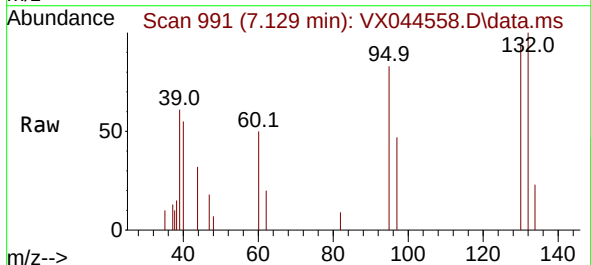


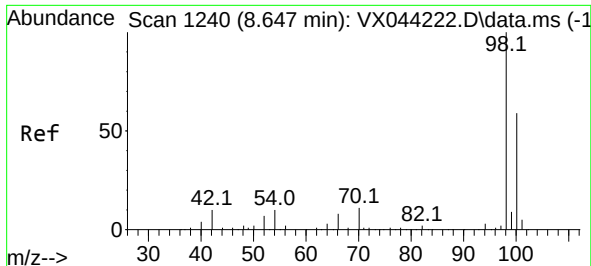
Tgt Ion:117 Resp: 10978
Ion Ratio Lower Upper
117 100
119 4.7 74.2 111.4#
121 0.0 23.0 34.6#



#44
Trichloroethene
Concen: 1.161 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

Tgt Ion:130 Resp: 1465
Ion Ratio Lower Upper
130 100
95 88.9 0.0 201.4

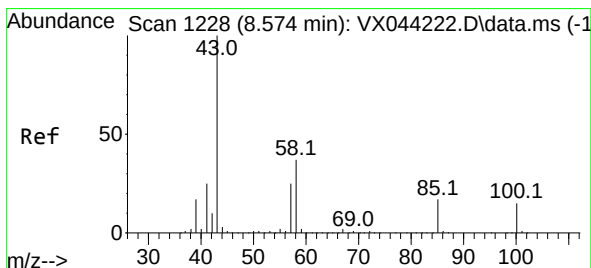
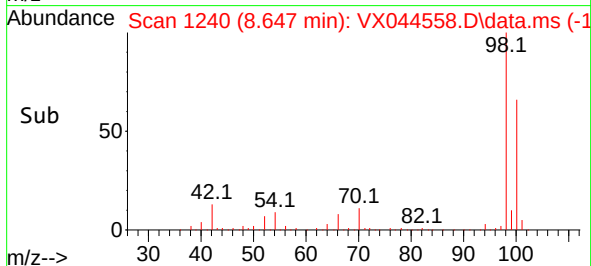
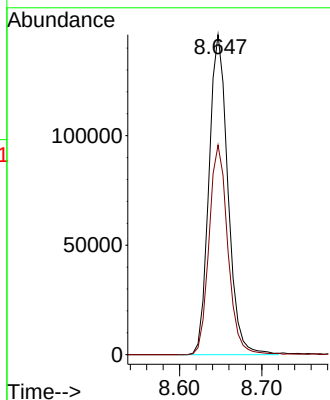
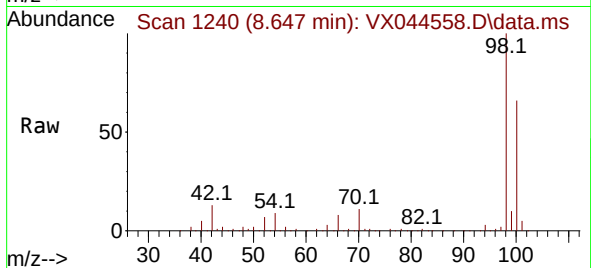




#50
Toluene-d8
Concen: 53.751 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

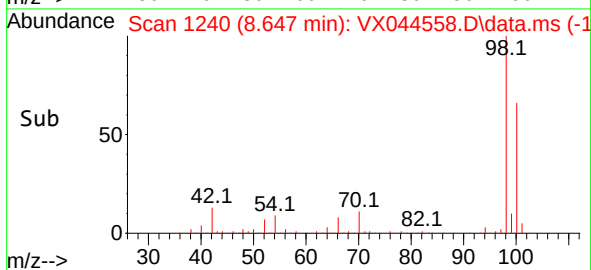
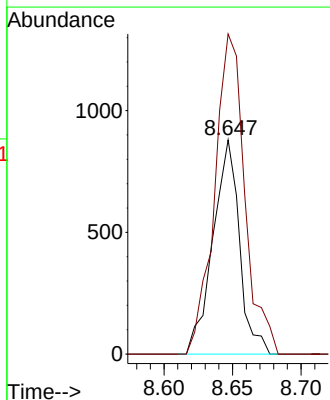
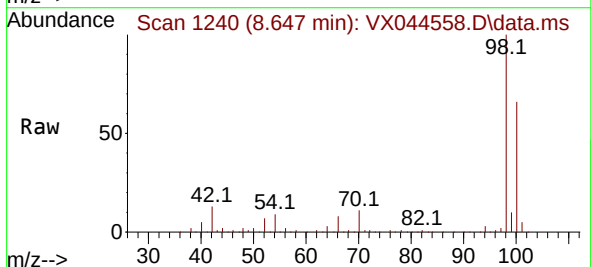
Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20241219

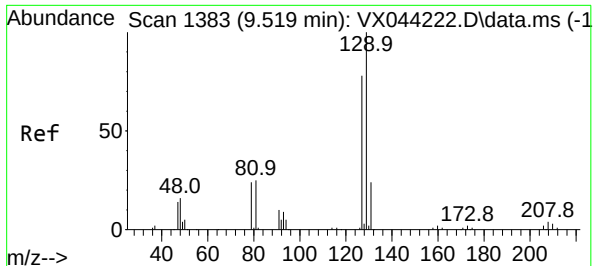
Tgt Ion: 98 Resp: 233818
Ion Ratio Lower Upper
98 100
100 65.1 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.571 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

Tgt Ion: 43 Resp: 1183
Ion Ratio Lower Upper
43 100
58 170.8 29.4 44.0#

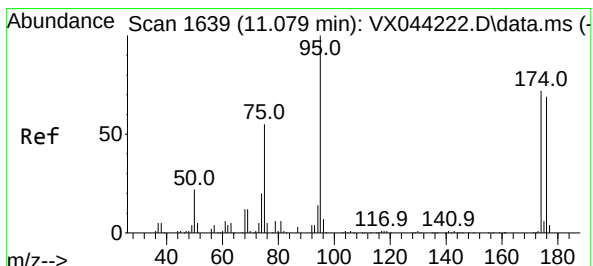
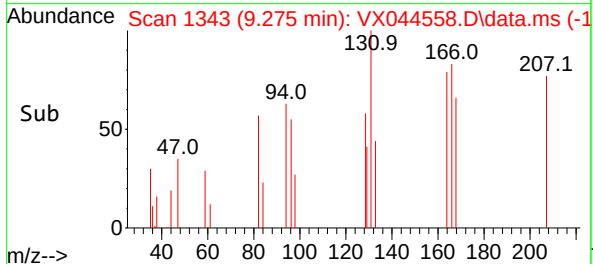
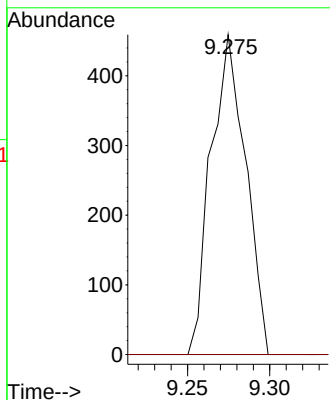
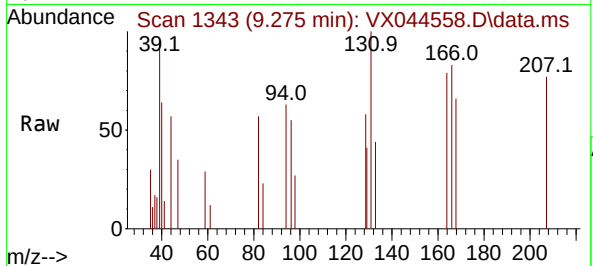




#60
Dibromochloromethane
Concen: 1.745 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

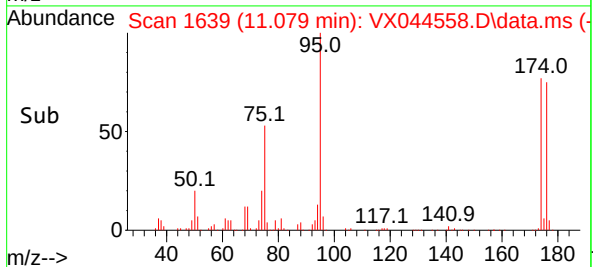
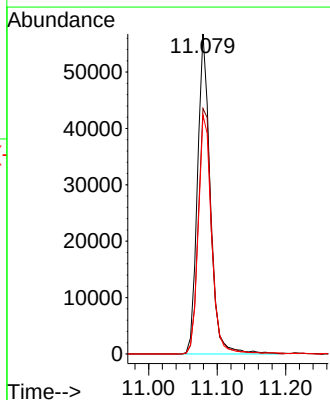
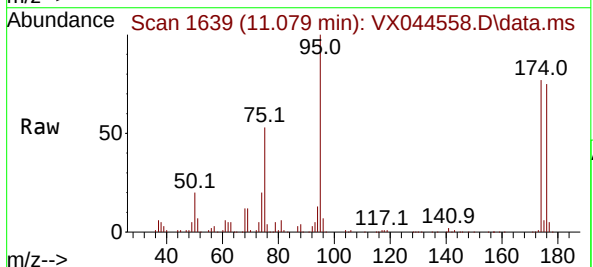
Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20241219

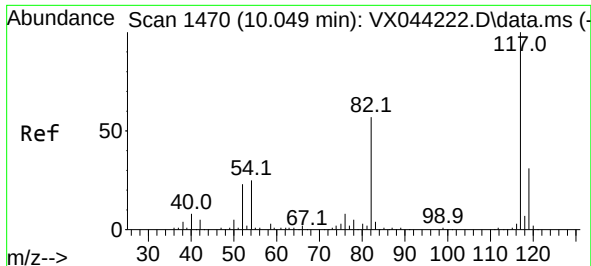
Tgt Ion:129 Resp: 674
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 48.398 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

Tgt Ion: 95 Resp: 73565
Ion Ratio Lower Upper
95 100
174 81.8 0.0 145.8
176 77.6 0.0 137.8

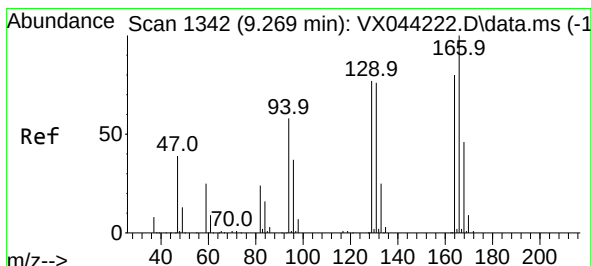
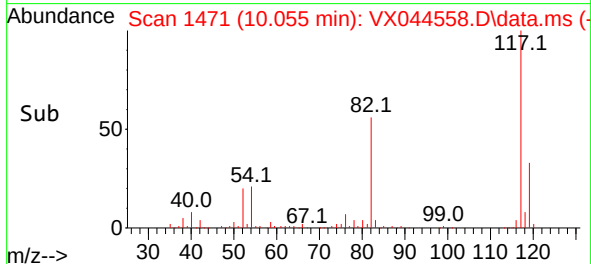
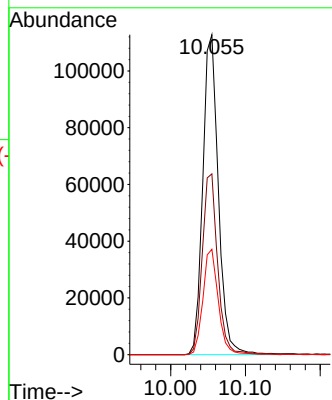
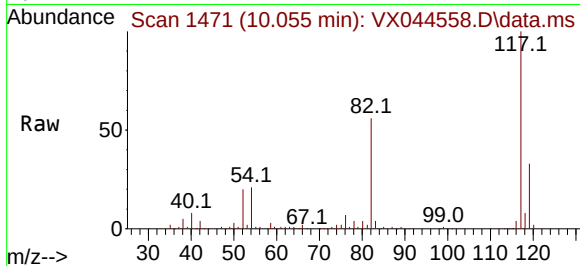




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

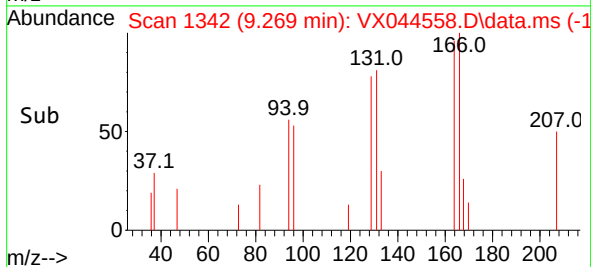
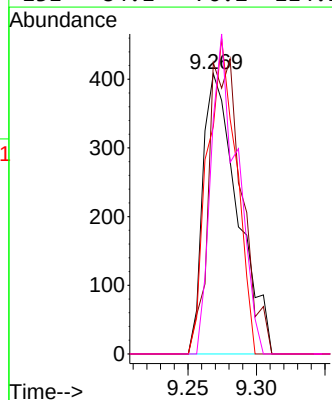
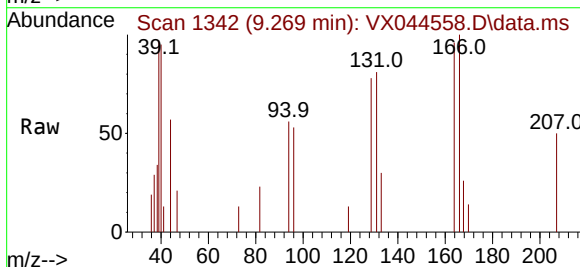
Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20241219

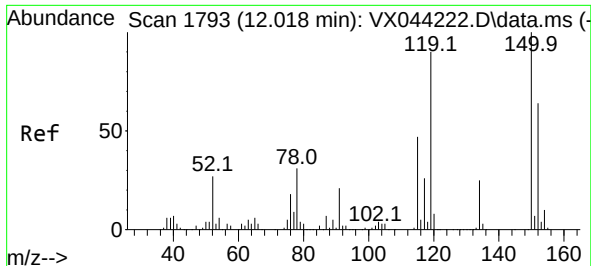
Tgt Ion:117 Resp: 163359
Ion Ratio Lower Upper
117 100
82 56.5 45.8 68.8
119 32.9 25.0 37.4



#64
Tetrachloroethene
Concen: 0.666 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

Tgt Ion:164 Resp: 722
Ion Ratio Lower Upper
164 100
166 103.9 100.4 150.6
129 81.1 77.2 115.8
131 84.1 76.2 114.2

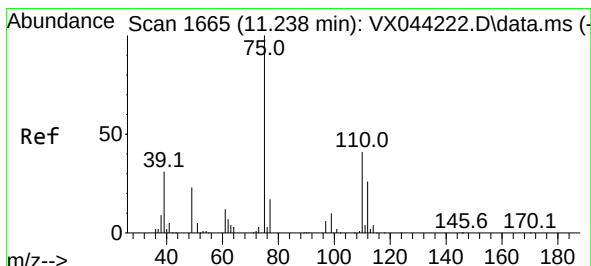
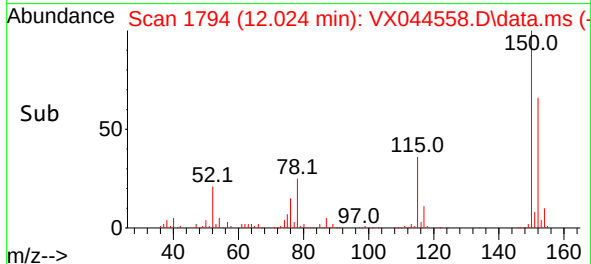
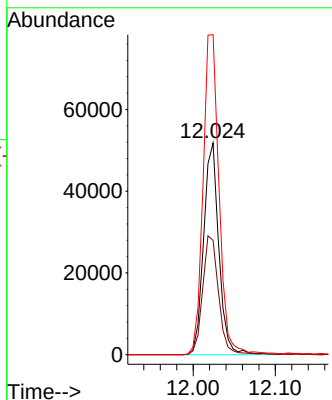
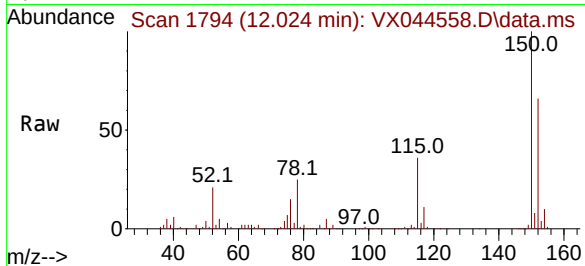




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

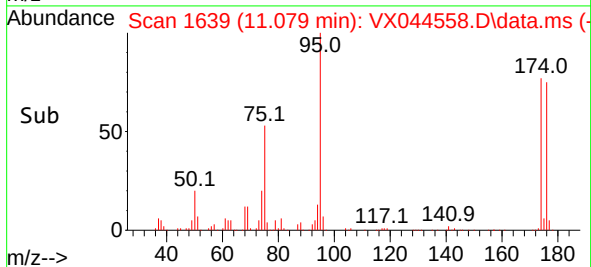
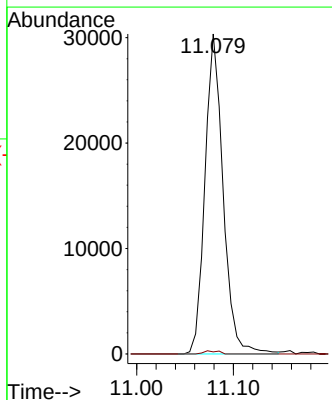
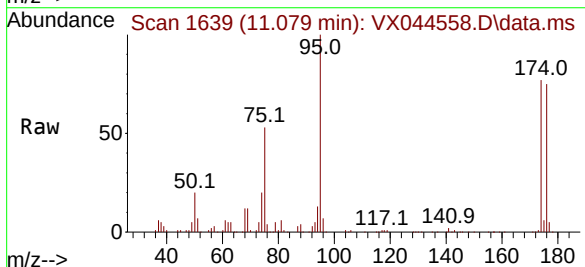
Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20241219

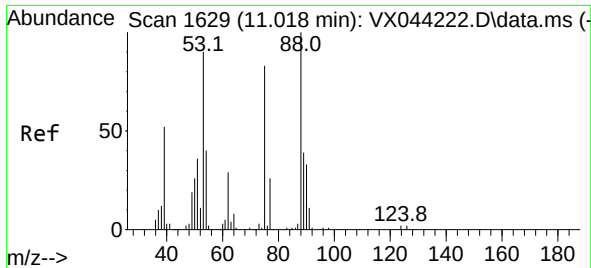
Tgt Ion:152 Resp: 66627
Ion Ratio Lower Upper
152 100
115 58.9 44.5 133.3
150 159.3 0.0 353.8



#76
1,2,3-Trichloropropane
Concen: 26.672 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

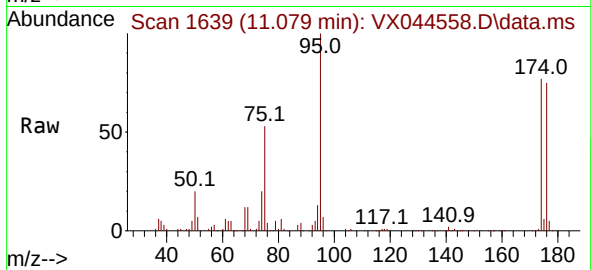
Tgt Ion: 75 Resp: 39678
Ion Ratio Lower Upper
75 100
77 0.8 20.9 62.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 73.480 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20241219



Tgt Ion: 75 Resp: 39678
Ion Ratio Lower Upper
75 100
53 0.0 93.6 140.4#
89 0.1 37.3 55.9#

