

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060325\
 Data File : VX046480.D
 Acq On : 03 Jun 2025 18:04
 Operator : JC/MD
 Sample : Q2172-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP06-MHQ

Quant Time: Jun 04 01:31:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

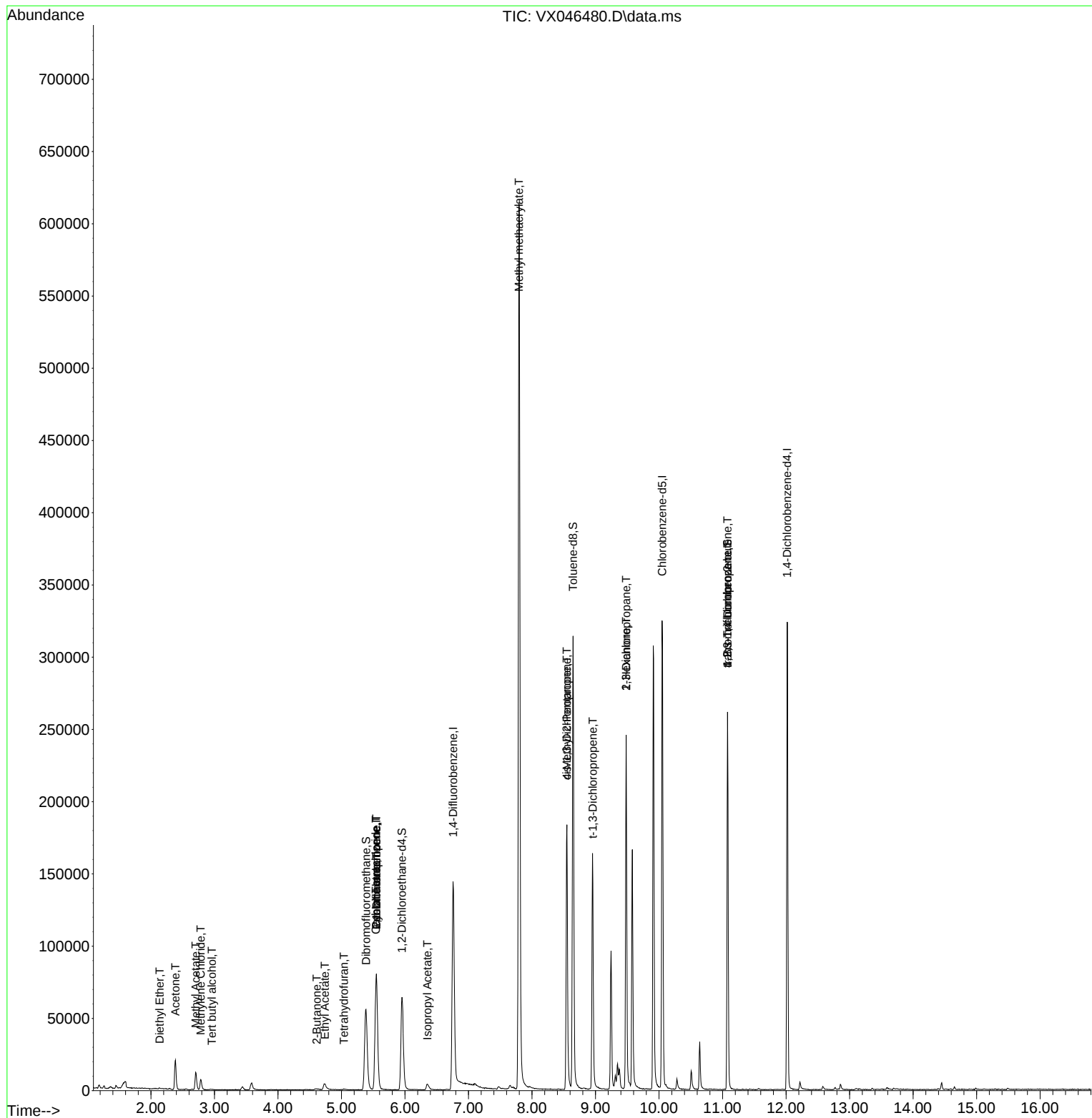
Internal Standards						
1) Pentafluorobenzene	5.550	168	68587	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	135774	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	132091	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58182	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67090	52.468	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.940%	
35) Dibromofluoromethane	5.385	113	49083	50.202	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.400%	
50) Toluene-d8	8.647	98	173377	51.234	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.460%	
62) 4-Bromofluorobenzene	11.079	95	69659	53.664	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.320%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.136	74	106	0.222	ug/l #	1
11) Tert butyl alcohol	2.959	59	328	1.827	ug/l #	72
16) Acetone	2.386	43	23225	45.300	ug/l	96
18) Methyl Acetate	2.703	43	15455	12.991	ug/l	100
20) Methylene Chloride	2.782	84	3178	3.235	ug/l	97
25) 2-Butanone	4.611	43	1741	2.339	ug/l #	78
29) Tetrahydrofuran	5.038	42	268	0.575	ug/l #	53
31) Cyclohexane	5.550	56	1958	1.285	ug/l #	26
36) 1,1-Dichloropropene	5.550	75	6754	5.141	ug/l #	52
37) Ethyl Acetate	4.739	43	7924	4.882	ug/l #	96
38) Carbon Tetrachloride	5.544	117	7870	5.332	ug/l #	15
43) Isopropyl Acetate	6.355	43	6619	2.673	ug/l #	96
48) Methyl methacrylate	7.793	41	59822	47.308	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	68167	41.475	ug/l #	50
53) t-1,3-Dichloropropene	8.958	75	392	0.297	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	26516	18.160	ug/l #	62
57) 1,3-Dichloropropane	9.482	76	1954	1.169	ug/l #	42
59) 2-Hexanone	9.482	43	32637	26.841	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	39759	28.390	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	39759	92.428	ug/l #	1

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

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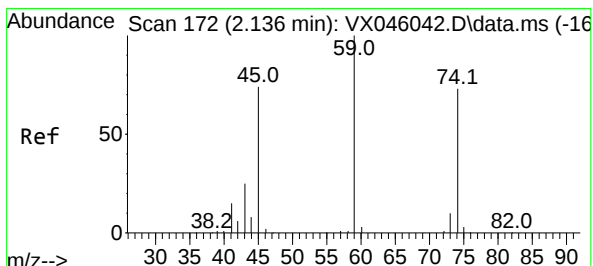
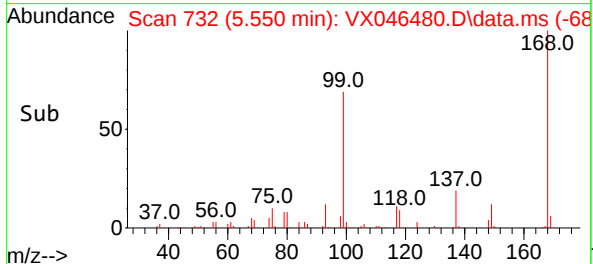
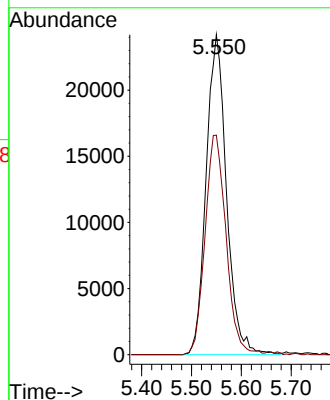
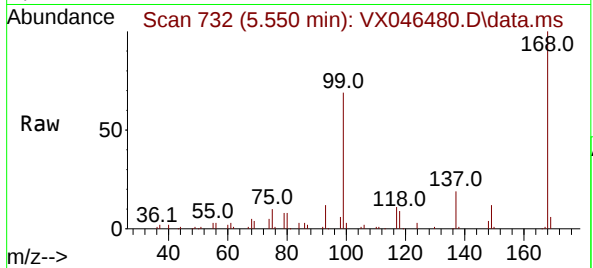




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 731
Delta R.T. 0.006 min
Lab File: VX046480.D
Acq: 03 Jun 2025 18:04

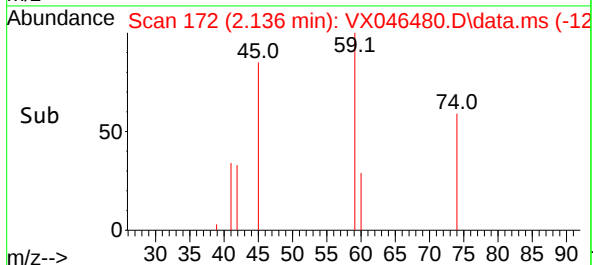
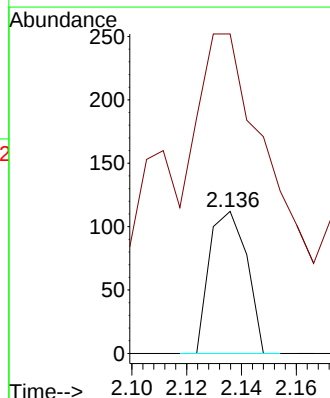
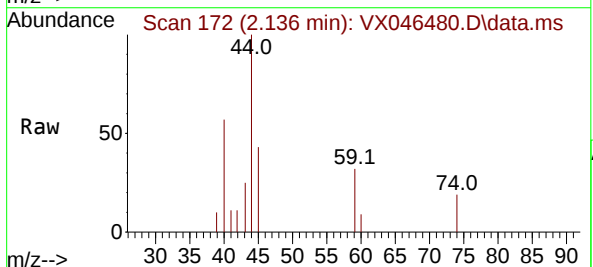
Instrument :
MSVOA_X
ClientSampleId :
TP06-MHQ

Tgt Ion:168 Resp: 68587
Ion Ratio Lower Upper
168 100
99 68.6 54.9 82.3



#8
Diethyl Ether
Concen: 0.222 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX046480.D
Acq: 03 Jun 2025 18:04

Tgt Ion: 74 Resp: 106
Ion Ratio Lower Upper
74 100
45 342.5 54.9 164.8#

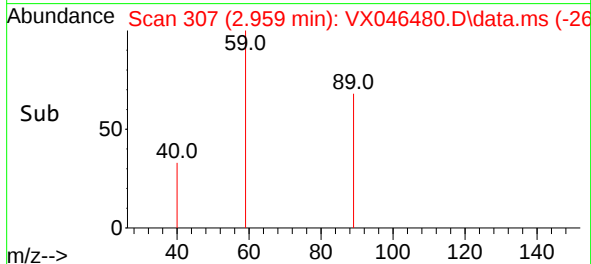
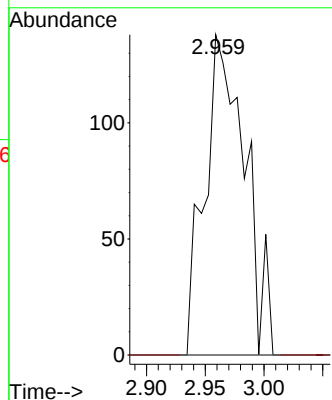
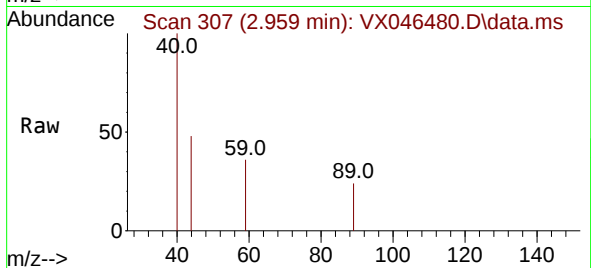




#11
Tert butyl alcohol
Concen: 1.827 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX046480.D
Acq: 03 Jun 2025 18:04

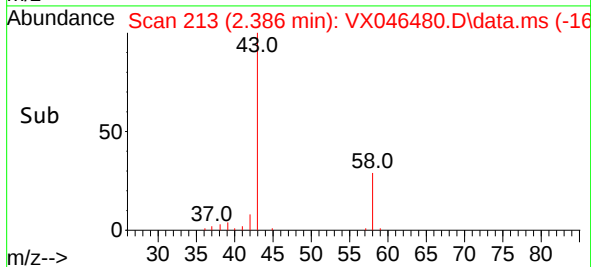
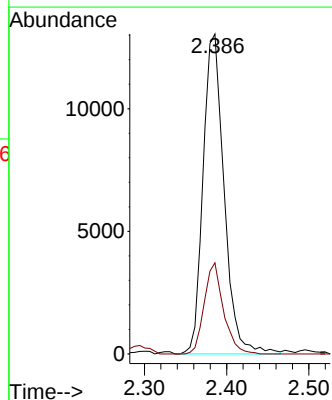
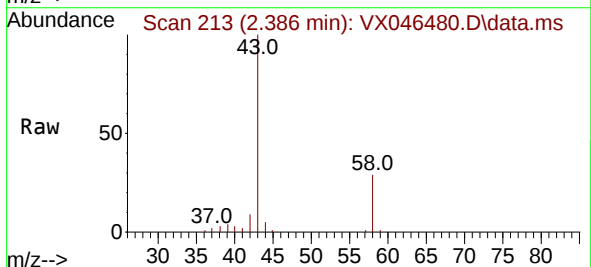
Instrument :
MSVOA_X
ClientSampleId :
TP06-MHQ

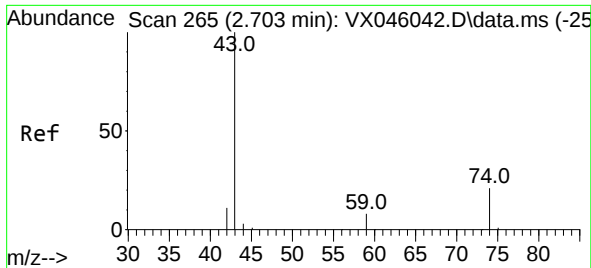
Tgt Ion: 59 Resp: 328
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 45.300 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046480.D
Acq: 03 Jun 2025 18:04

Tgt Ion: 43 Resp: 23225
Ion Ratio Lower Upper
43 100
58 28.5 21.2 31.8

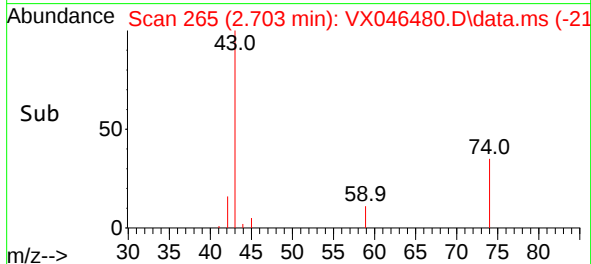
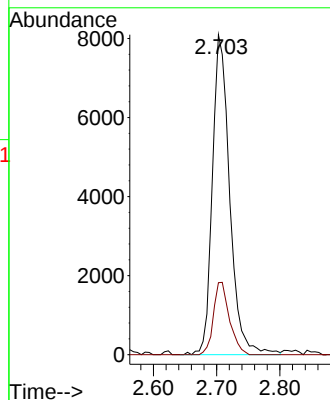
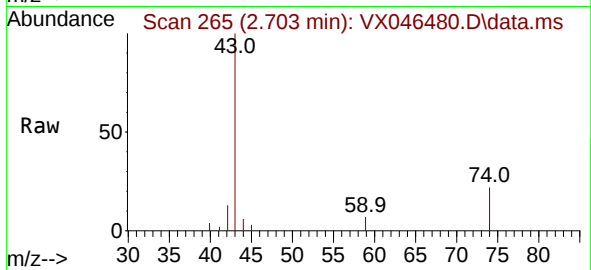




#18
Methyl Acetate
Concen: 12.991 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046480.D
Acq: 03 Jun 2025 18:04

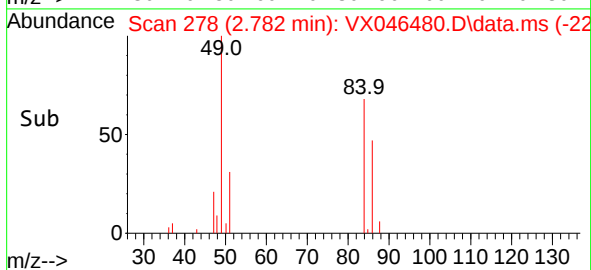
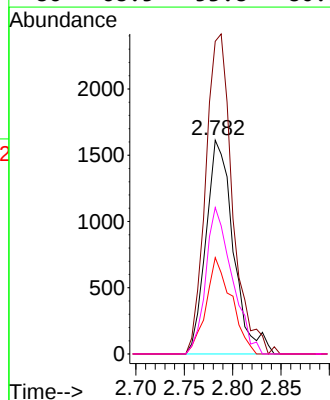
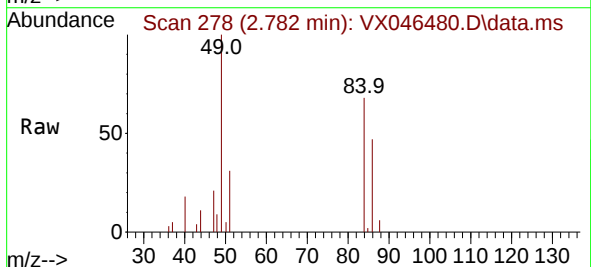
Instrument :
MSVOA_X
ClientSampleId :
TP06-MHQ

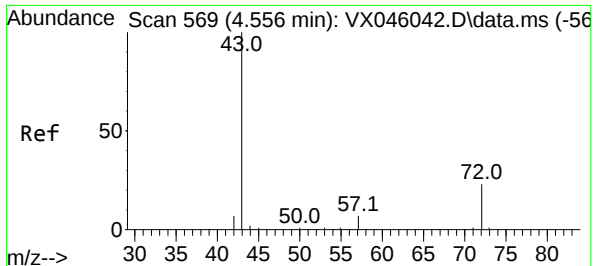
Tgt Ion: 43 Resp: 15455
Ion Ratio Lower Upper
43 100
74 20.8 16.7 25.1



#20
Methylene Chloride
Concen: 3.235 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046480.D
Acq: 03 Jun 2025 18:04

Tgt Ion: 84 Resp: 3178
Ion Ratio Lower Upper
84 100
49 146.3 113.9 170.9
51 45.1 33.5 50.3
86 68.5 53.8 80.8

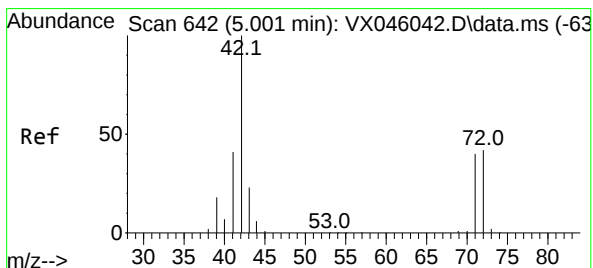
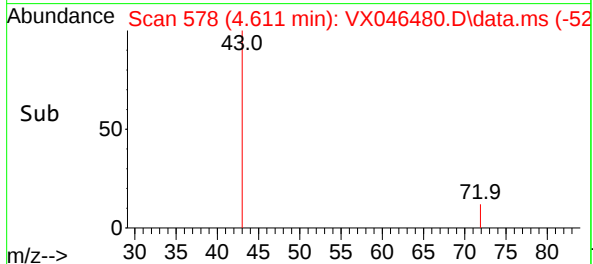
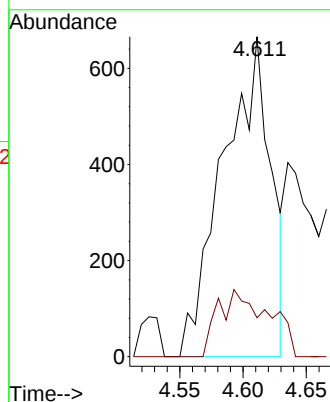
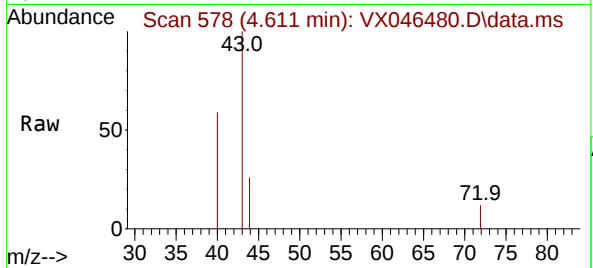




#25
2-Butanone
Concen: 2.339 ug/l
RT: 4.611 min Scan# 51
Delta R.T. 0.055 min
Lab File: VX046480.D
Acq: 03 Jun 2025 18:04

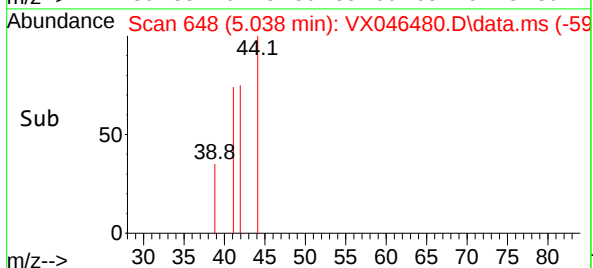
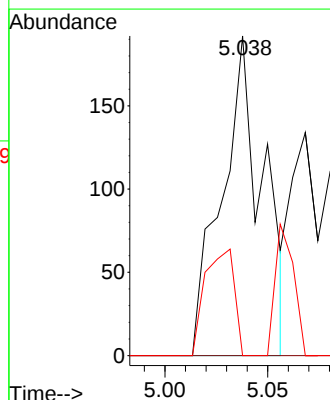
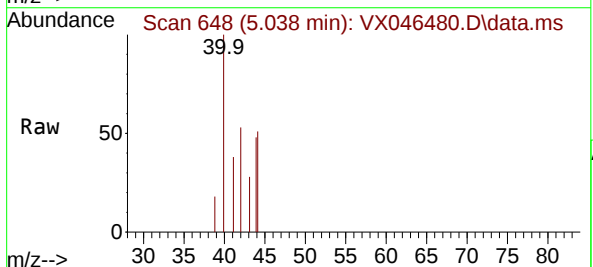
Instrument :
MSVOA_X
ClientSampleId :
TP06-MHQ

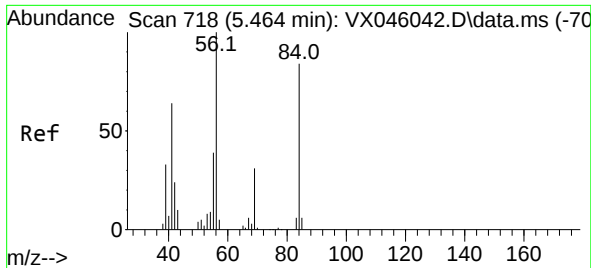
Tgt Ion: 43 Resp: 1741
Ion Ratio Lower Upper
43 100
72 12.2 18.4 27.6#



#29
Tetrahydrofuran
Concen: 0.575 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.037 min
Lab File: VX046480.D
Acq: 03 Jun 2025 18:04

Tgt Ion: 42 Resp: 268
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 23.5 31.4 47.2#

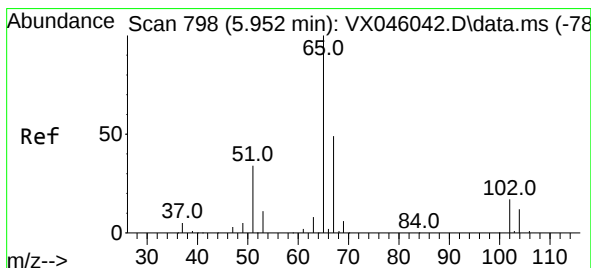
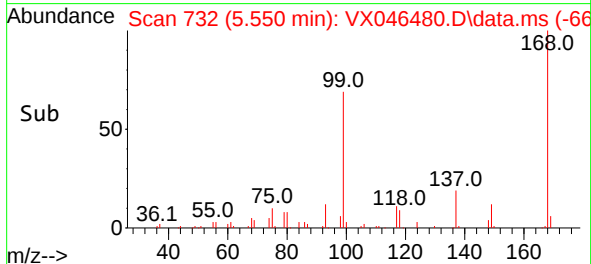
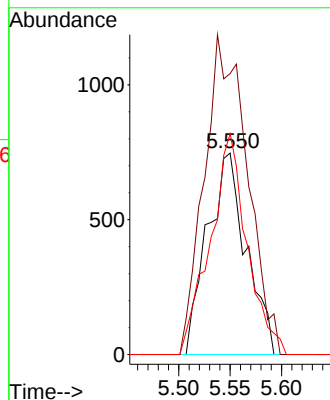
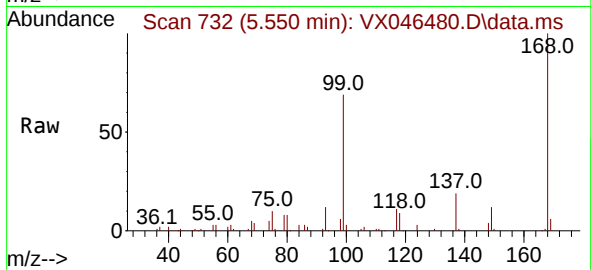




#31
Cyclohexane
Concen: 1.285 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX046480.D
Acq: 03 Jun 2025 18:04

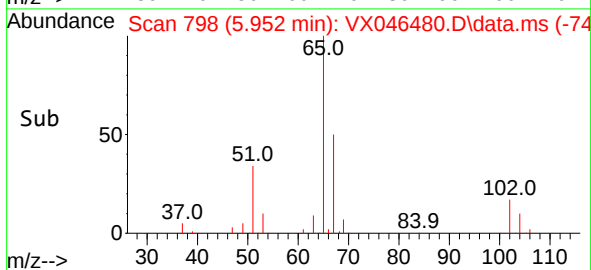
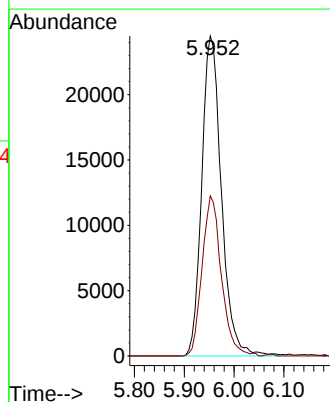
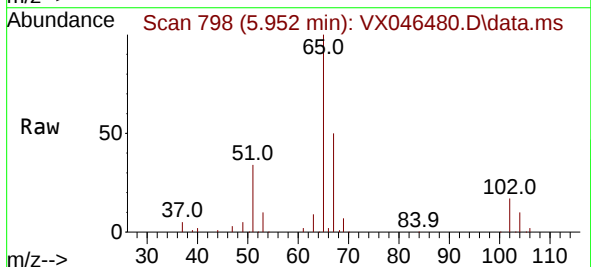
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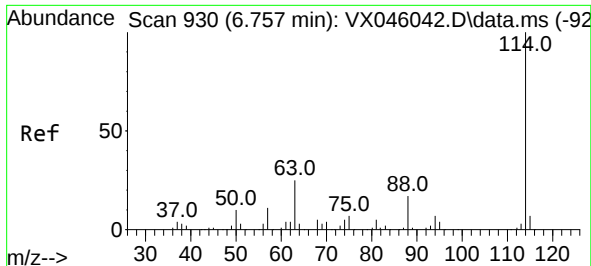
Tgt Ion: 56 Resp: 1958
Ion Ratio Lower Upper
56 100
69 139.5 24.4 36.6#
84 109.6 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 52.468 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX046480.D
Acq: 03 Jun 2025 18:04

Tgt Ion: 65 Resp: 67090
Ion Ratio Lower Upper
65 100
67 49.1 0.0 99.0

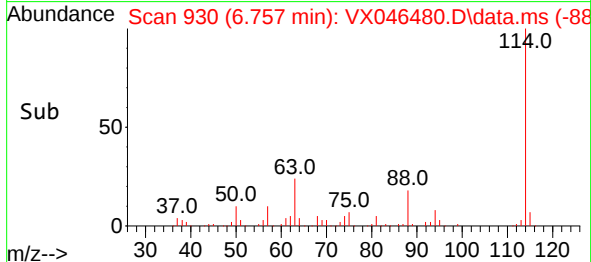
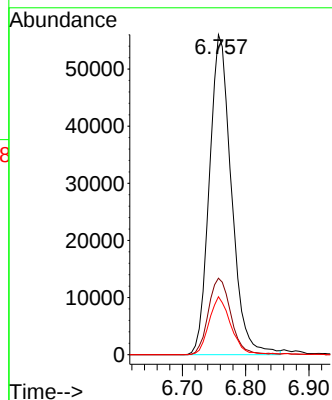
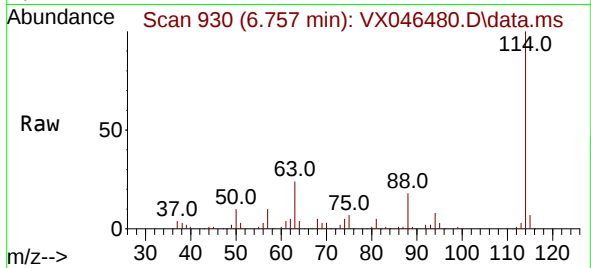




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX046480.D
Acq: 03 Jun 2025 18:04

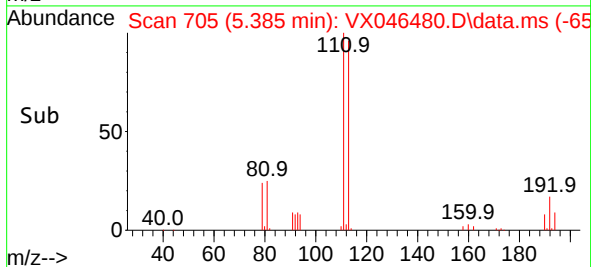
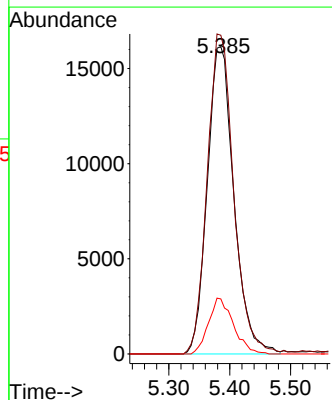
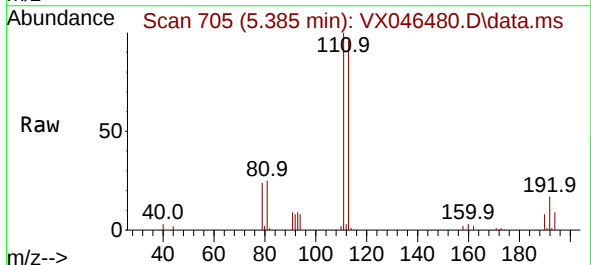
Instrument :
MSVOA_X
ClientSampleId :
TP06-MHQ

Tgt Ion:114 Resp: 135774
Ion Ratio Lower Upper
114 100
63 23.9 0.0 49.2
88 18.1 0.0 33.6



#35
Dibromofluoromethane
Concen: 50.202 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046480.D
Acq: 03 Jun 2025 18:04

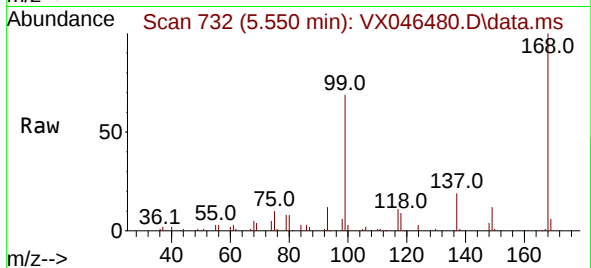
Tgt Ion:113 Resp: 49083
Ion Ratio Lower Upper
113 100
111 103.3 83.1 124.7
192 17.0 13.3 19.9



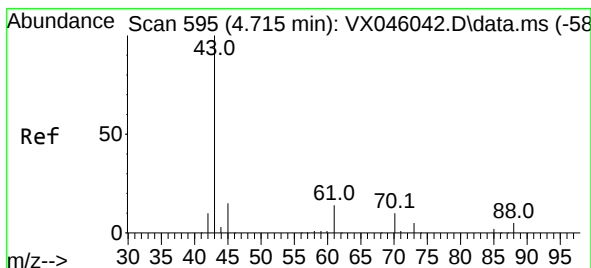
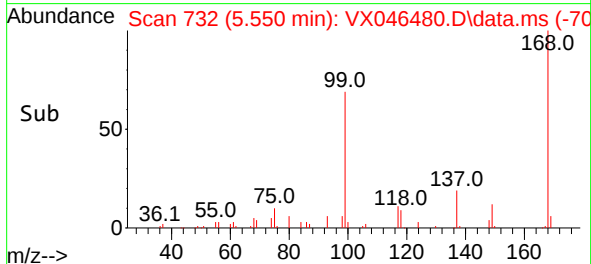
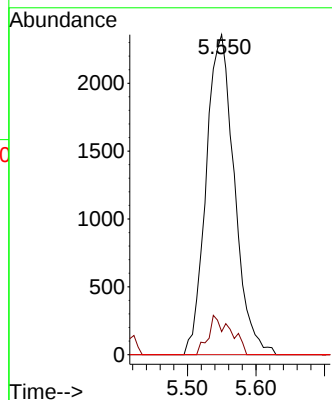


#36
1,1-Dichloropropene
Concen: 5.141 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX046480.D
Acq: 03 Jun 2025 18:04

Instrument :
MSVOA_X
ClientSampleId :
TP06-MHQ

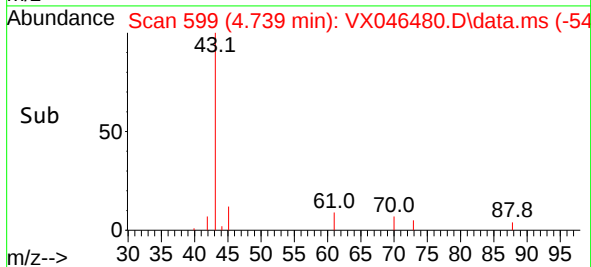
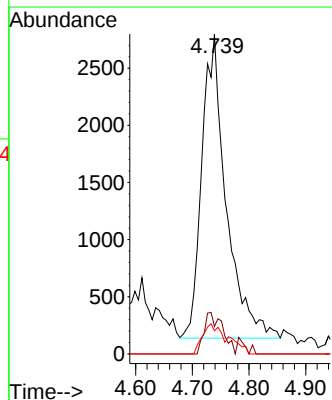
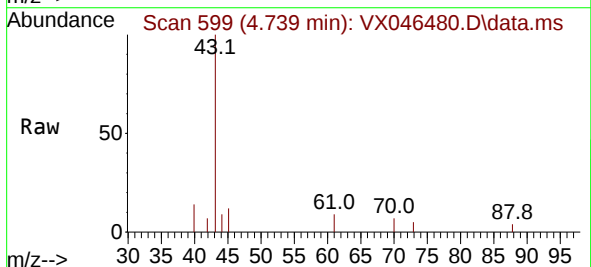


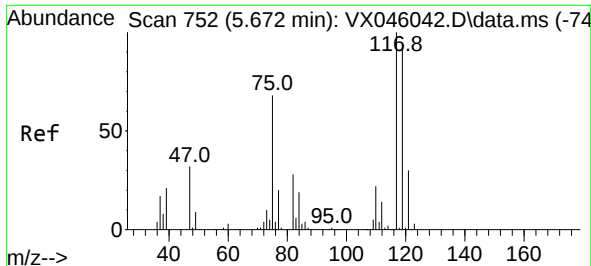
Tgt Ion: 75 Resp: 6754
Ion Ratio Lower Upper
75 100
110 9.7 16.3 48.9#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 4.882 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.024 min
Lab File: VX046480.D
Acq: 03 Jun 2025 18:04

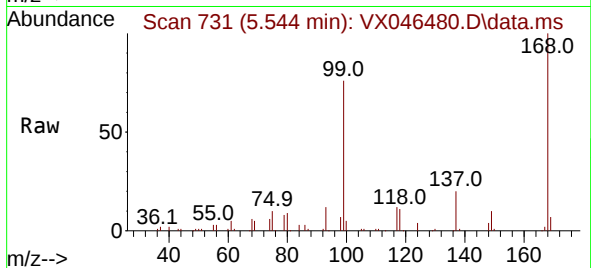
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Ion Ratio Lower Upper
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61 10.3 10.3 15.5#
70 10.3 7.9 11.9



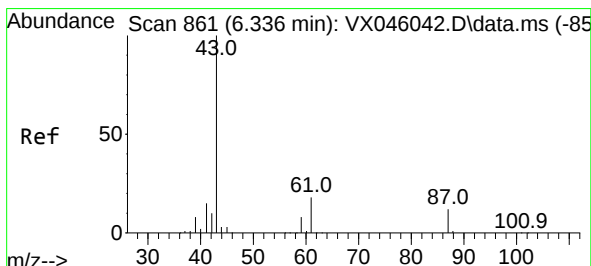
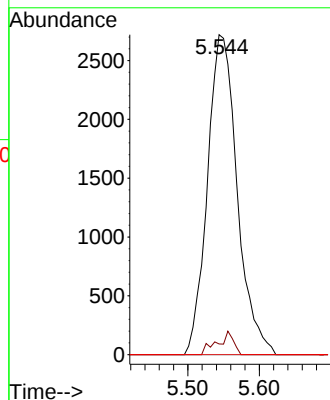
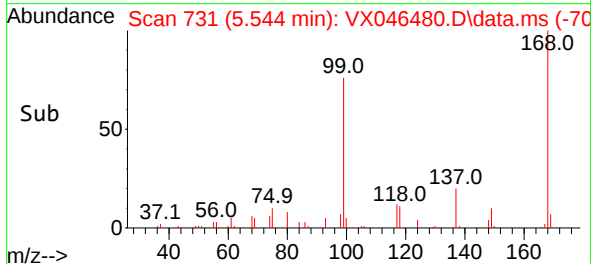


#38
Carbon Tetrachloride
Concen: 5.332 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX046480.D
Acq: 03 Jun 2025 18:04

Instrument :
MSVOA_X
ClientSampleId :
TP06-MHQ

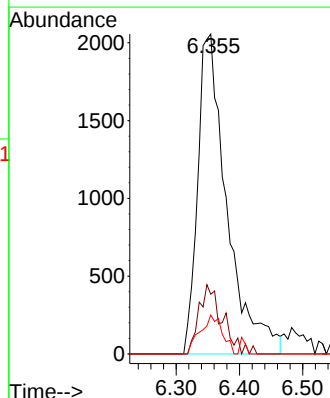
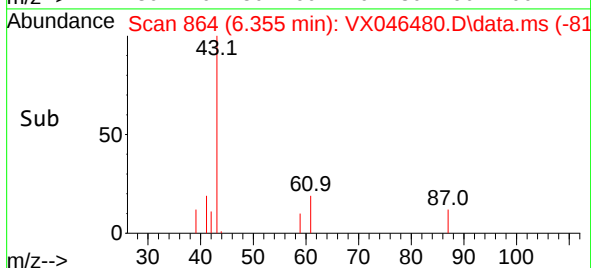
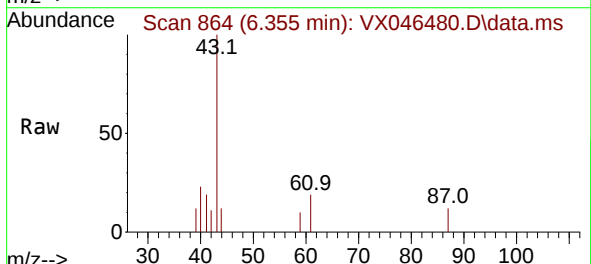


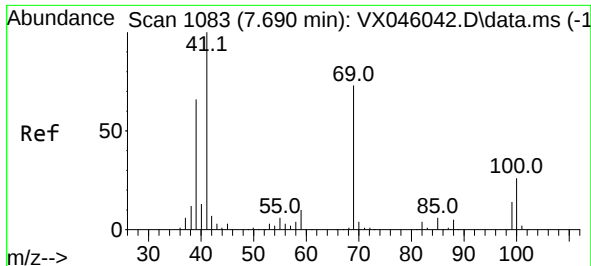
Tgt Ion:117 Resp: 7870
Ion Ratio Lower Upper
117 100
119 3.3 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 2.673 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.018 min
Lab File: VX046480.D
Acq: 03 Jun 2025 18:04

Tgt Ion: 43 Resp: 6619
Ion Ratio Lower Upper
43 100
61 17.3 14.3 21.5
87 9.1 9.5 14.3#

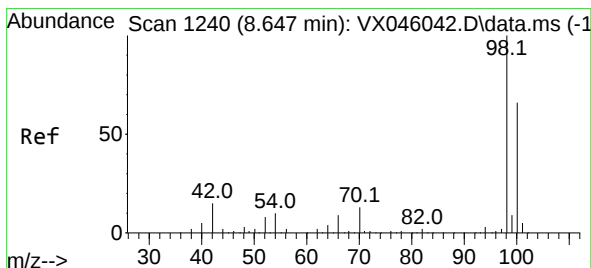
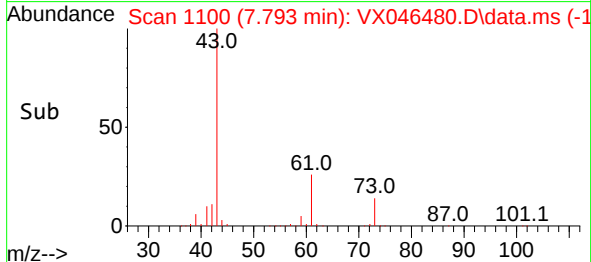
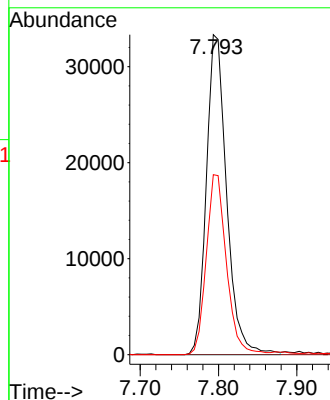
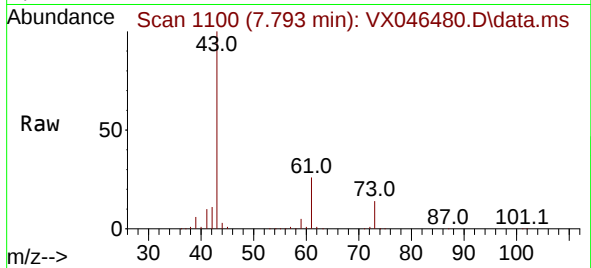




#48
Methyl methacrylate
Concen: 47.308 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046480.D
Acq: 03 Jun 2025 18:04

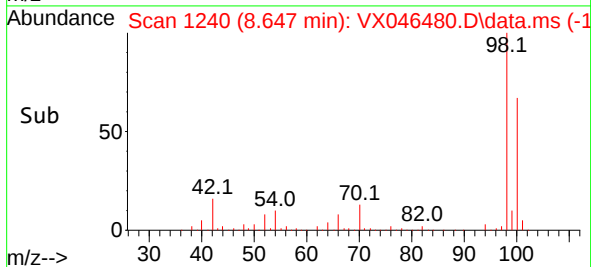
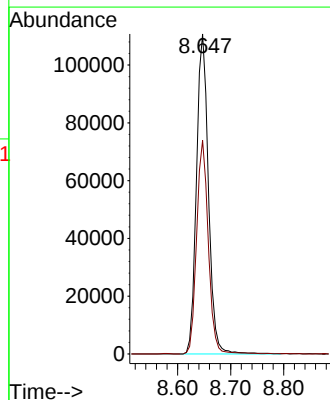
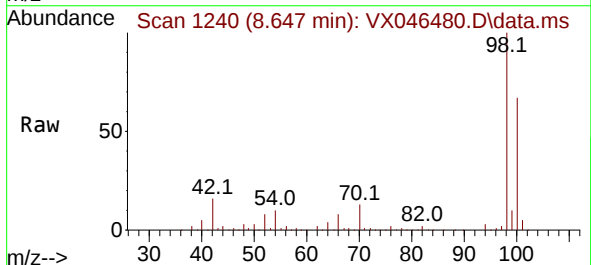
Instrument :
MSVOA_X
ClientSampleId :
TP06-MHQ

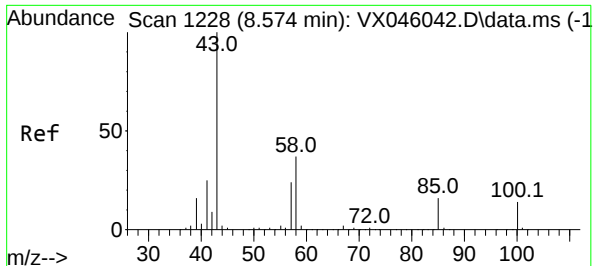
Tgt Ion: 41 Resp: 59822
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 56.2 51.7 77.5



#50
Toluene-d8
Concen: 51.234 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046480.D
Acq: 03 Jun 2025 18:04

Tgt Ion: 98 Resp: 173377
Ion Ratio Lower Upper
98 100
100 65.3 53.5 80.3





#51

4-Methyl-2-Pentanone

Concen: 41.475 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX046480.D

Acq: 03 Jun 2025 18:04

Instrument :

MSVOA_X

ClientSampleId :

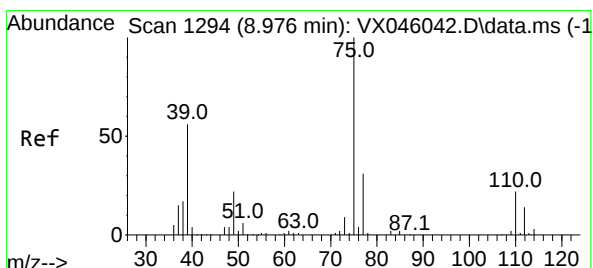
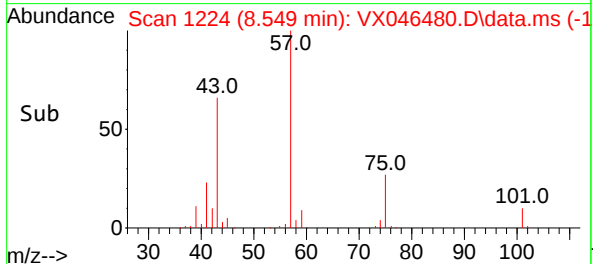
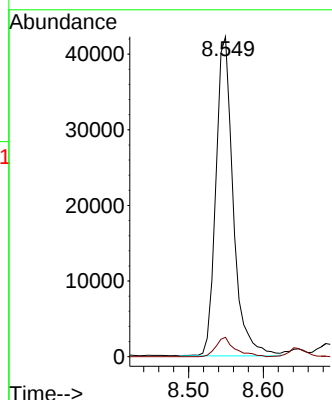
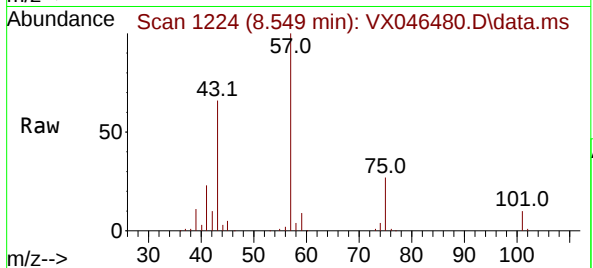
TP06-MHQ

Tgt Ion: 43 Resp: 68167

Ion Ratio Lower Upper

43 100

58 6.6 28.9 43.3#



#53

t-1,3-Dichloropropene

Concen: 0.297 ug/l

RT: 8.958 min Scan# 1291

Delta R.T. -0.018 min

Lab File: VX046480.D

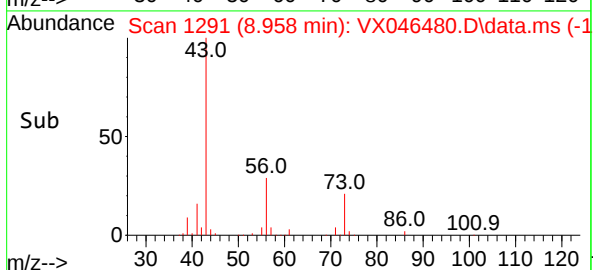
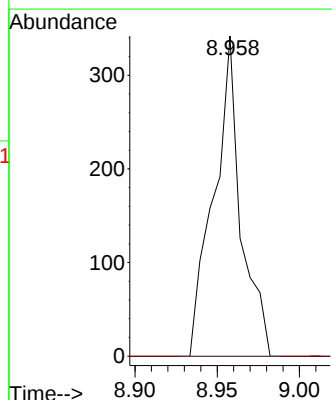
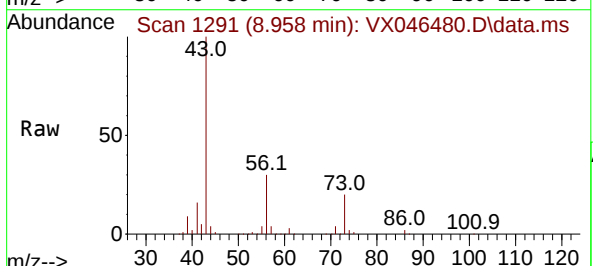
Acq: 03 Jun 2025 18:04

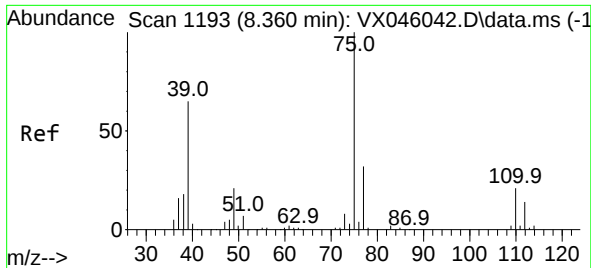
Tgt Ion: 75 Resp: 392

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#

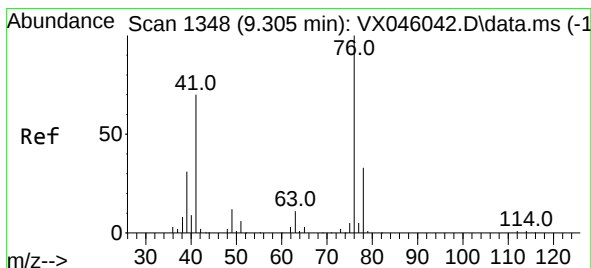
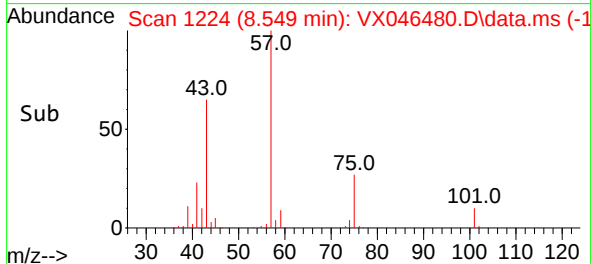
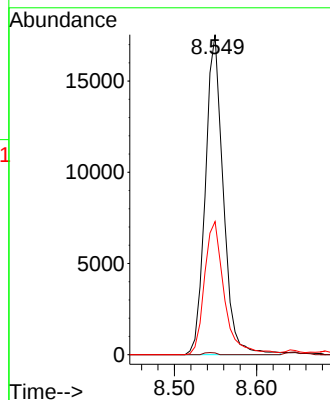
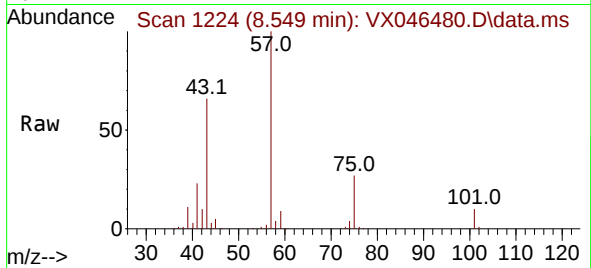




#54
cis-1,3-Dichloropropene
Concen: 18.160 ug/l
RT: 8.549 min Scan# 1193
Delta R.T. 0.189 min
Lab File: VX046480.D
Acq: 03 Jun 2025 18:04

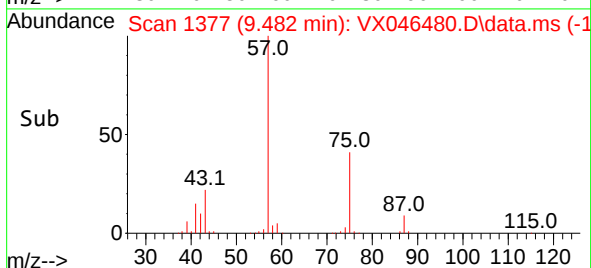
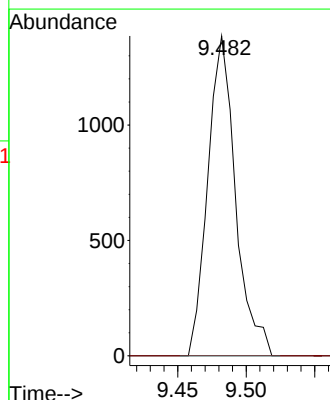
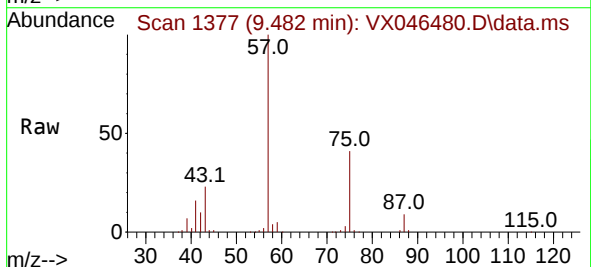
Instrument :
MSVOA_X
ClientSampleId :
TP06-MHQ

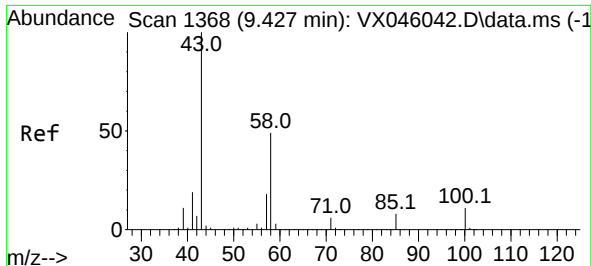
Tgt Ion: 75 Resp: 26516
Ion Ratio Lower Upper
75 100
77 0.6 25.4 38.0#
39 41.6 52.2 78.4#



#57
1,3-Dichloropropane
Concen: 1.169 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX046480.D
Acq: 03 Jun 2025 18:04

Tgt Ion: 76 Resp: 1954
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#

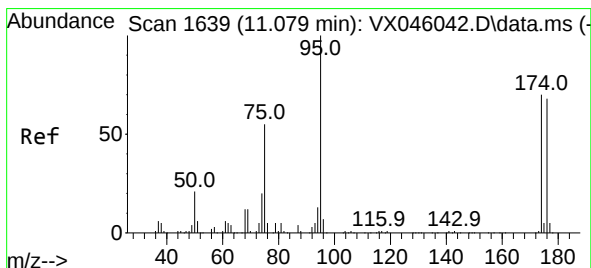
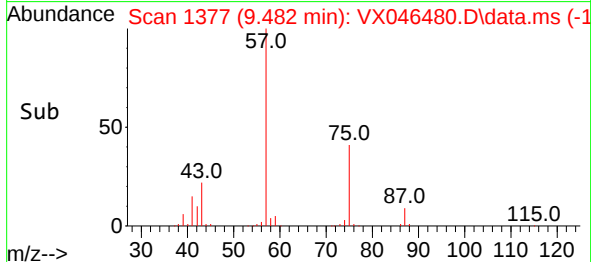
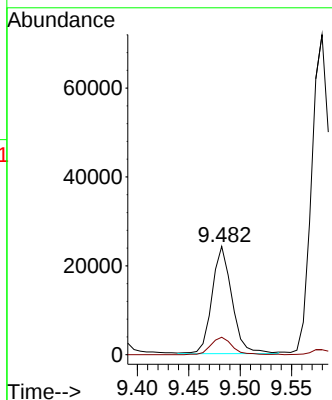
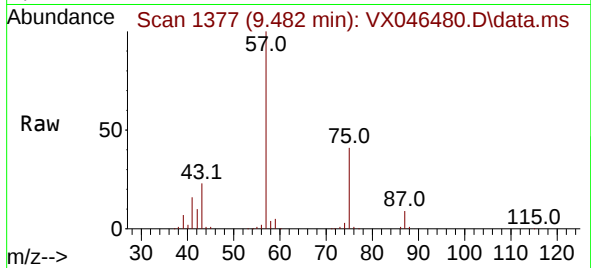




#59
2-Hexanone
Concen: 26.841 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX046480.D
Acq: 03 Jun 2025 18:04

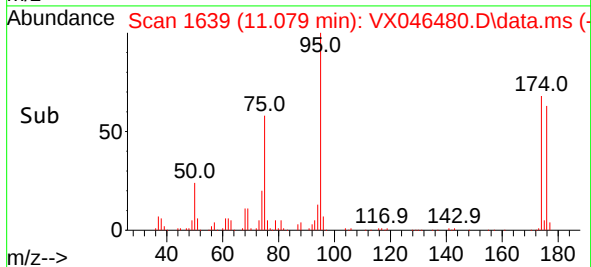
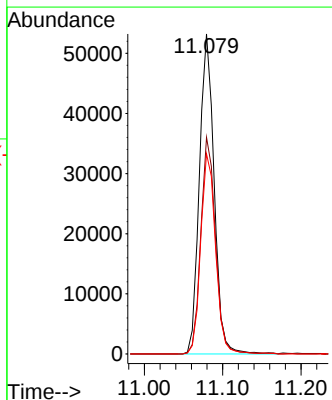
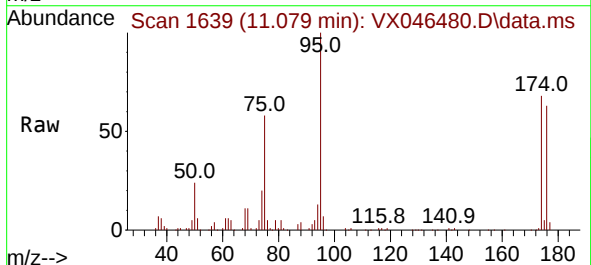
Instrument :
MSVOA_X
ClientSampleId :
TP06-MHQ

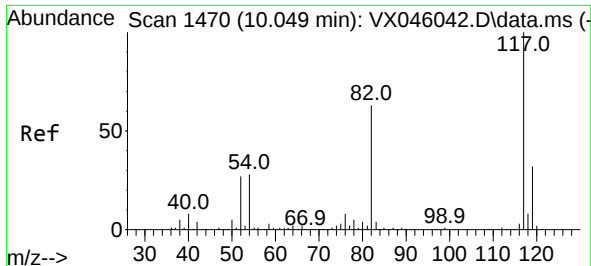
Tgt Ion: 43 Resp: 32637
Ion Ratio Lower Upper
43 100
58 17.5 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 53.664 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046480.D
Acq: 03 Jun 2025 18:04

Tgt Ion: 95 Resp: 69659
Ion Ratio Lower Upper
95 100
174 67.3 0.0 135.8
176 63.1 0.0 131.4

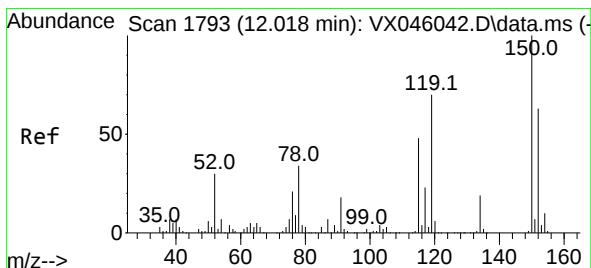
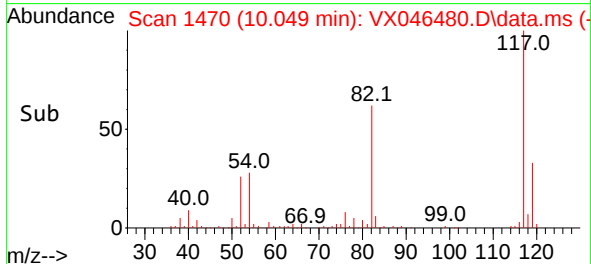
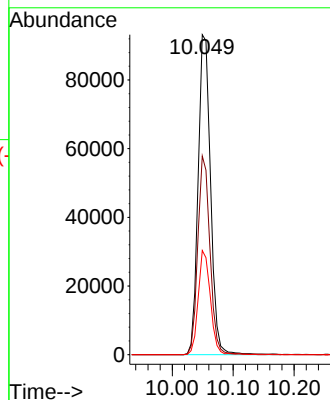
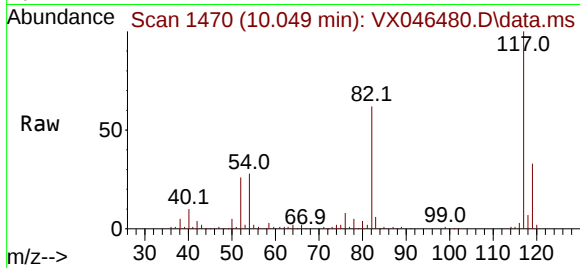




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046480.D
Acq: 03 Jun 2025 18:04

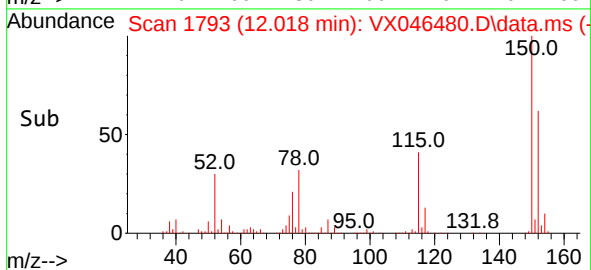
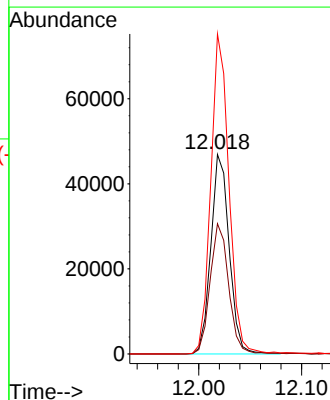
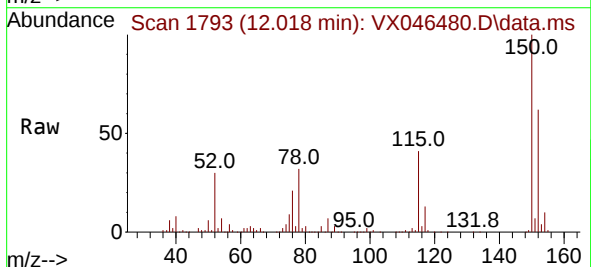
Instrument :
MSVOA_X
ClientSampleId :
TP06-MHQ

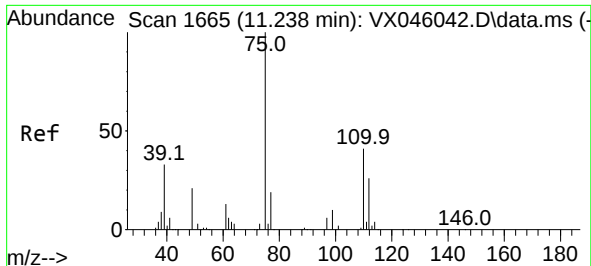
Tgt Ion:117 Resp: 132091
Ion Ratio Lower Upper
117 100
82 62.1 50.6 76.0
119 32.5 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046480.D
Acq: 03 Jun 2025 18:04

Tgt Ion:152 Resp: 58182
Ion Ratio Lower Upper
152 100
115 66.4 46.9 140.7
150 159.7 0.0 351.0

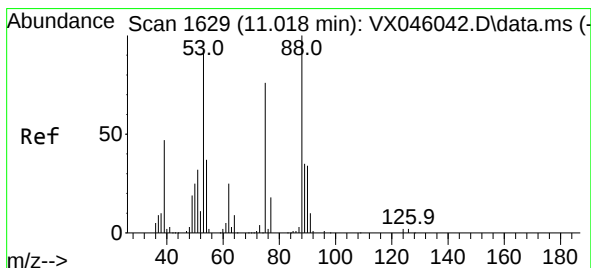
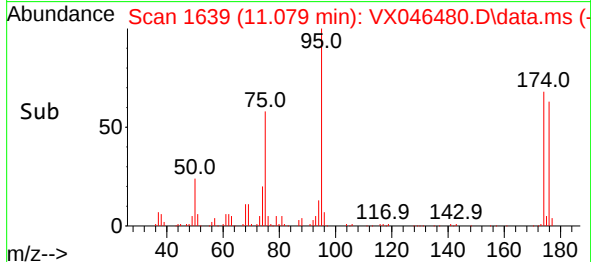
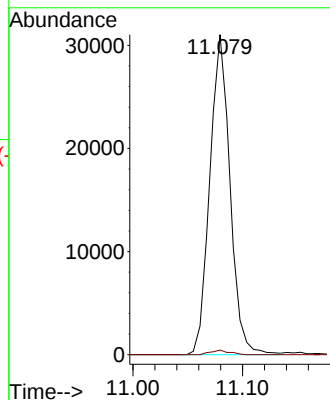
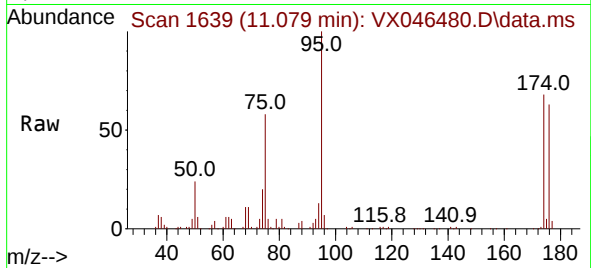




#76
1,2,3-Trichloropropane
Concen: 28.390 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX046480.D
Acq: 03 Jun 2025 18:04

Instrument :
MSVOA_X
ClientSampleId :
TP06-MHQ

Tgt Ion: 75 Resp: 39759
Ion Ratio Lower Upper
75 100
77 1.3 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.428 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046480.D
Acq: 03 Jun 2025 18:04

Tgt Ion: 75 Resp: 39759
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

