

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
 Data File : VX045608.D
 Acq On : 04 Apr 2025 18:38
 Operator : JC/MD
 Sample : Q1695-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-2

Quant Time: Apr 04 23:14:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

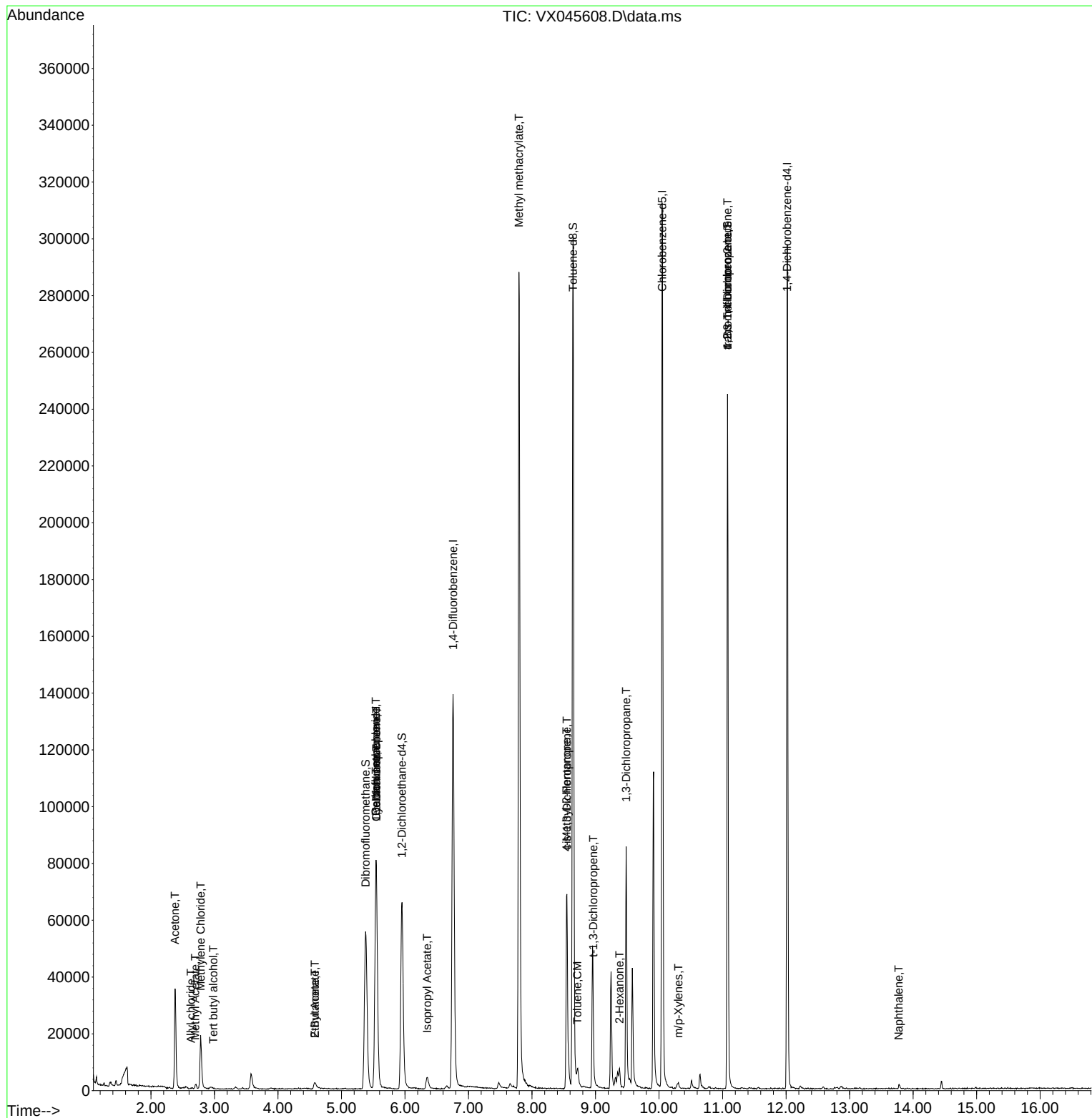
Internal Standards						
1) Pentafluorobenzene	5.544	168	67319	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133833	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	126923	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53869	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67401	54.749	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.500%	
35) Dibromofluoromethane	5.379	113	48597	51.179	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.360%	
50) Toluene-d8	8.647	98	171101	51.625	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.260%	
62) 4-Bromofluorobenzene	11.079	95	63473	52.577	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 105.160%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.983	59	648	3.917	ug/l #	72
14) Allyl chloride	2.629	41	345	0.225	ug/l #	42
16) Acetone	2.379	43	37842	74.858	ug/l	97
18) Methyl Acetate	2.696	43	2171	1.865	ug/l	94
20) Methylene Chloride	2.782	84	8073	8.530	ug/l	95
25) 2-Butanone	4.580	43	5350	7.230	ug/l #	78
31) Cyclohexane	5.550	56	1998	1.323	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	6624	5.167	ug/l #	48
37) Ethyl Acetate	4.580	43	5350	3.311	ug/l #	71
38) Carbon Tetrachloride	5.544	117	7952	5.739	ug/l #	17
43) Isopropyl Acetate	6.348	43	6695	2.734	ug/l	95
48) Methyl methacrylate	7.793	41	29702	23.492	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	30019	18.492	ug/l #	48
52) Toluene	8.714	92	1777	0.750	ug/l	95
53) t-1,3-Dichloropropene	8.964	75	79	2.341	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	10442	7.419	ug/l #	72
57) 1,3-Dichloropropane	9.482	76	750	0.456	ug/l #	42
59) 2-Hexanone	9.378	43	6517	5.421	ug/l #	28
68) m/p-Xylenes	10.305	106	380	0.215	ug/l #	62
76) 1,2,3-Trichloropropane	11.079	75	37115	28.246	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	37115	95.863	ug/l #	1
95) Naphthalene	13.774	128	1648	0.441	ug/l #	93

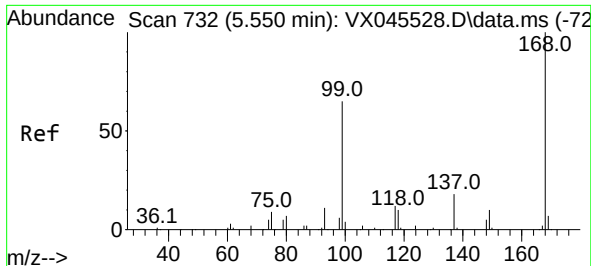
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Apr 04 23:14:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

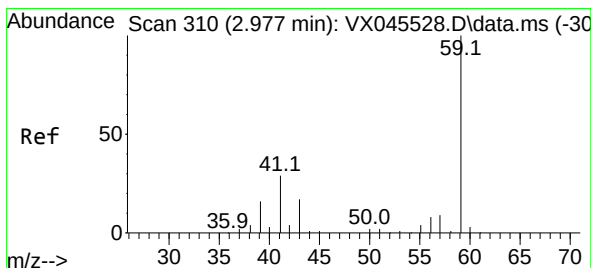
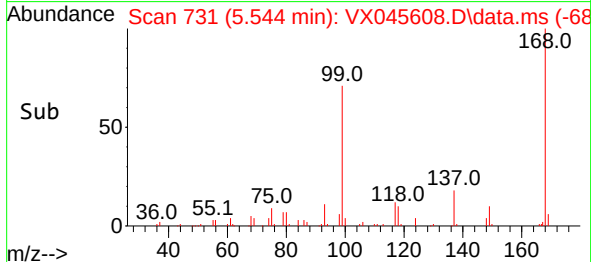
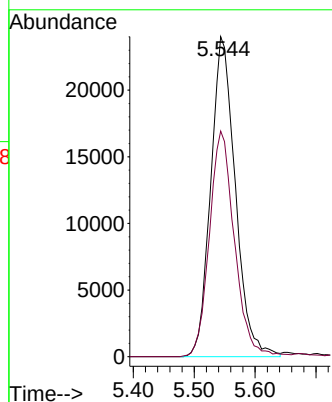
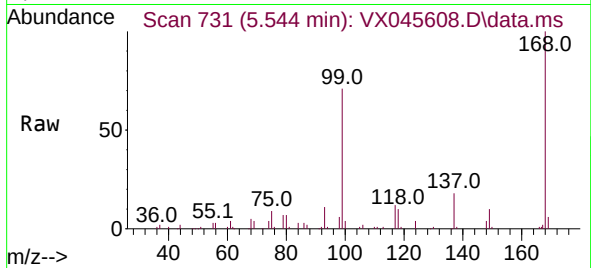




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.006 min
Lab File: VX045608.D
Acq: 04 Apr 2025 18:38

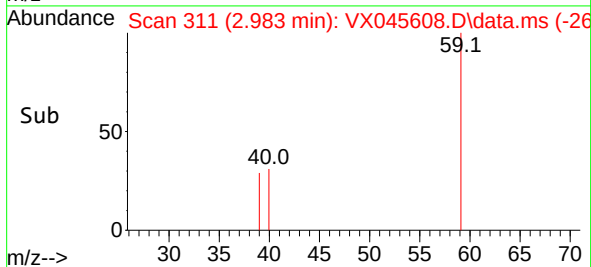
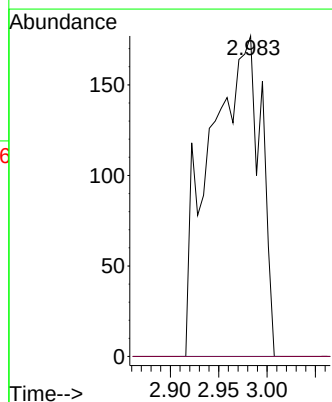
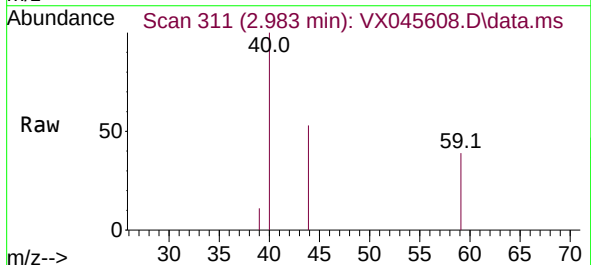
Instrument :
MSVOA_X
ClientSampleId :
TT-2

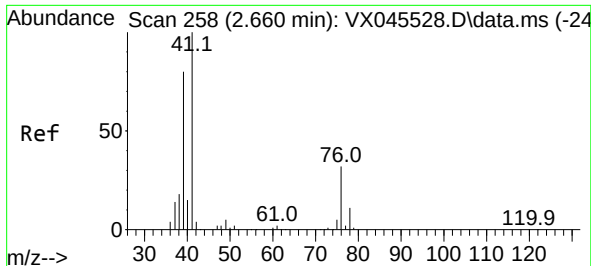
Tgt Ion:168 Resp: 67319
Ion Ratio Lower Upper
168 100
99 70.5 52.3 78.5



#11
Tert butyl alcohol
Concen: 3.917 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX045608.D
Acq: 04 Apr 2025 18:38

Tgt Ion: 59 Resp: 648
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

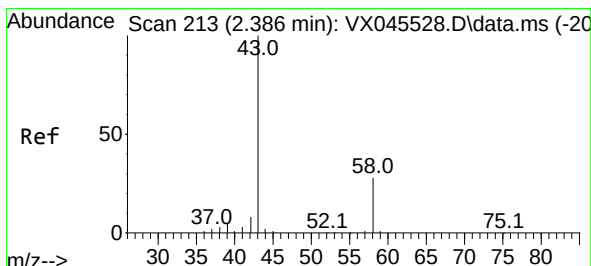
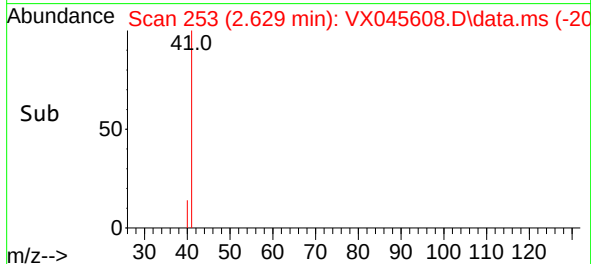
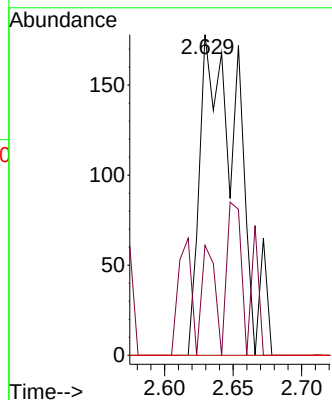
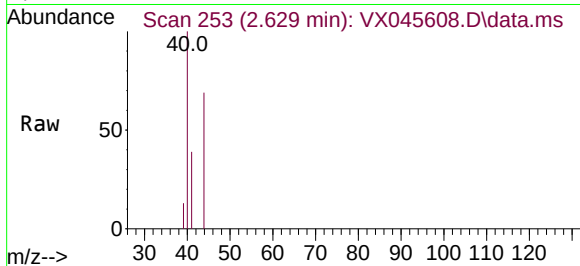




#14
 Allyl chloride
 Concen: 0.225 ug/l
 RT: 2.629 min Scan# 212
 Delta R.T. -0.031 min
 Lab File: VX045608.D
 Acq: 04 Apr 2025 18:38

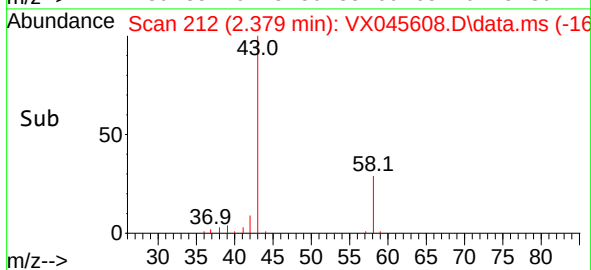
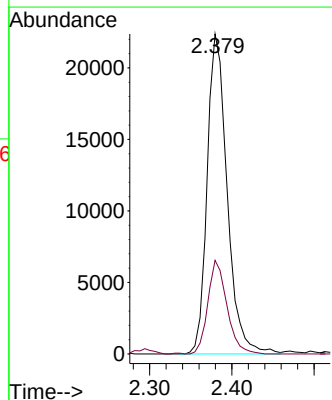
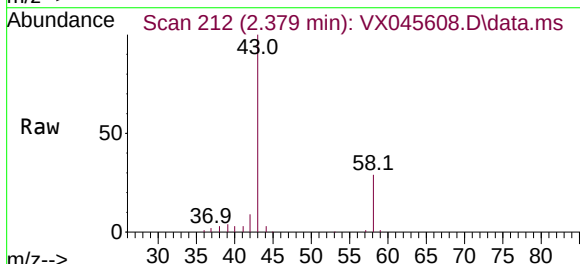
Instrument :
 MSVOA_X
 ClientSampleId :
 TT-2

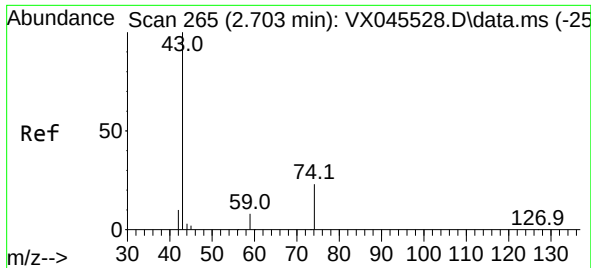
Tgt Ion: 41 Resp: 345
 Ion Ratio Lower Upper
 41 100
 39 25.2 60.2 90.2#
 76 0.0 24.6 36.8#



#16
 Acetone
 Concen: 74.858 ug/l
 RT: 2.379 min Scan# 212
 Delta R.T. -0.006 min
 Lab File: VX045608.D
 Acq: 04 Apr 2025 18:38

Tgt Ion: 43 Resp: 37842
 Ion Ratio Lower Upper
 43 100
 58 29.2 22.3 33.5

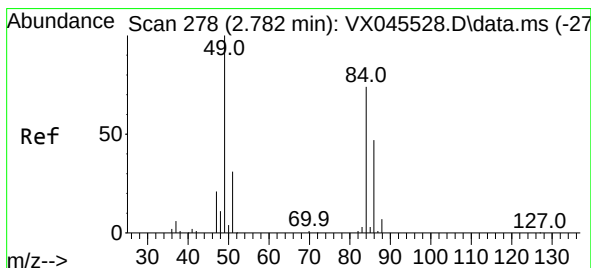
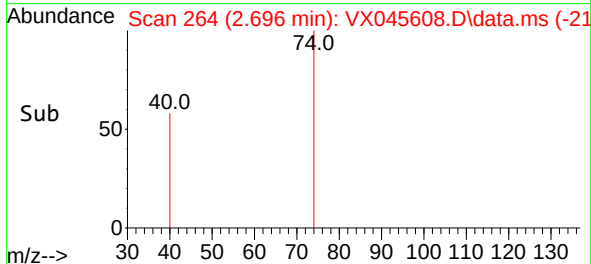
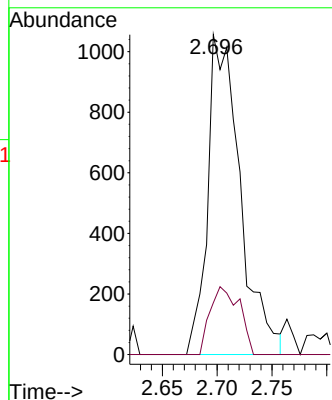
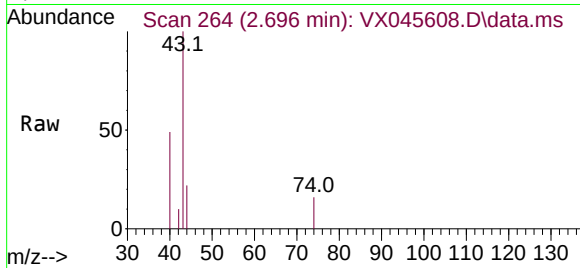




#18
Methyl Acetate
Concen: 1.865 ug/l
RT: 2.696 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX045608.D
Acq: 04 Apr 2025 18:38

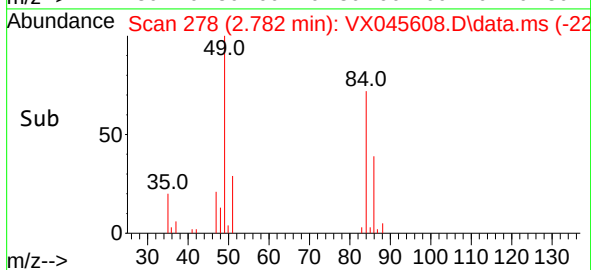
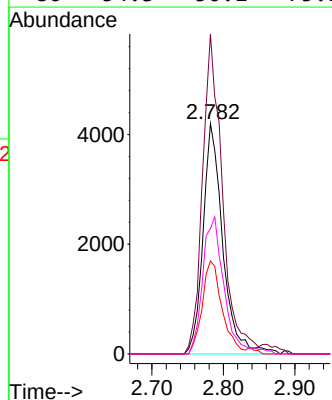
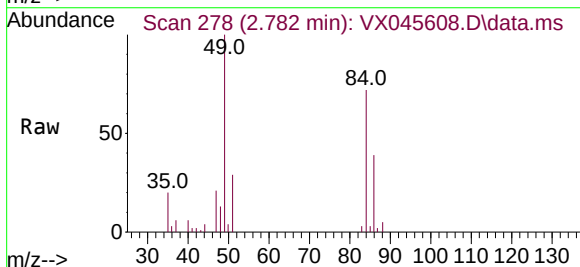
Instrument :
MSVOA_X
ClientSampleId :
TT-2

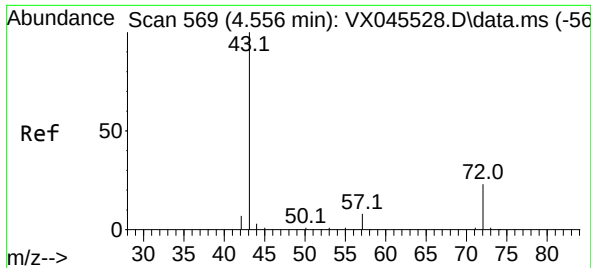
Tgt Ion: 43 Resp: 2171
Ion Ratio Lower Upper
43 100
74 19.2 17.5 26.3



#20
Methylene Chloride
Concen: 8.530 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045608.D
Acq: 04 Apr 2025 18:38

Tgt Ion: 84 Resp: 8073
Ion Ratio Lower Upper
84 100
49 138.8 107.5 161.3
51 40.3 33.0 49.6
86 54.3 50.1 75.1

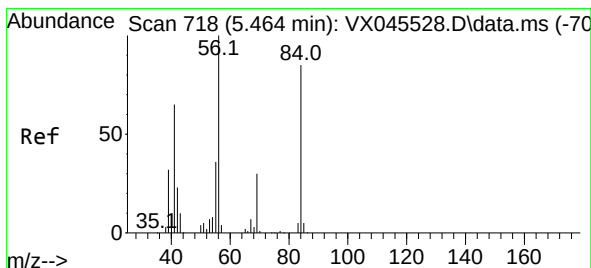
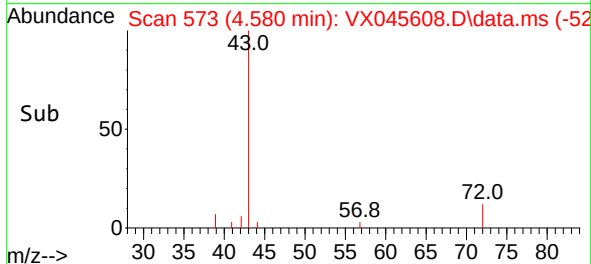
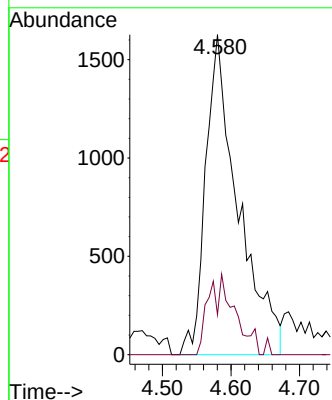
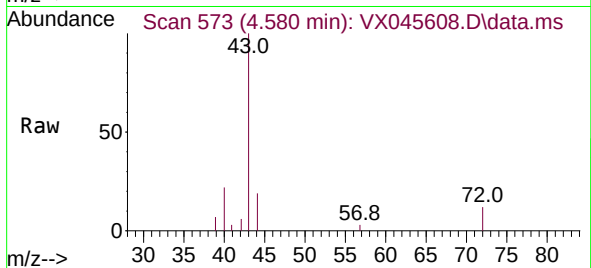




#25
2-Butanone
Concen: 7.230 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX045608.D
Acq: 04 Apr 2025 18:38

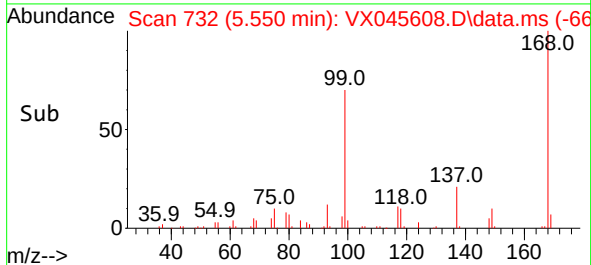
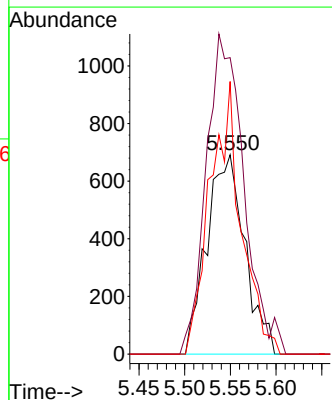
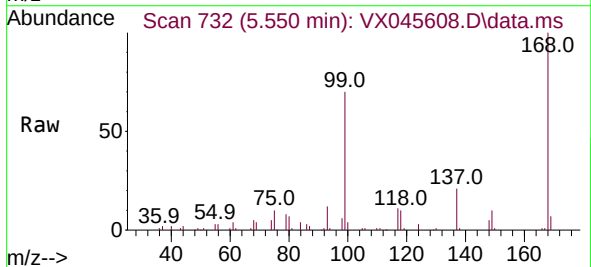
Instrument :
MSVOA_X
ClientSampleId :
TT-2

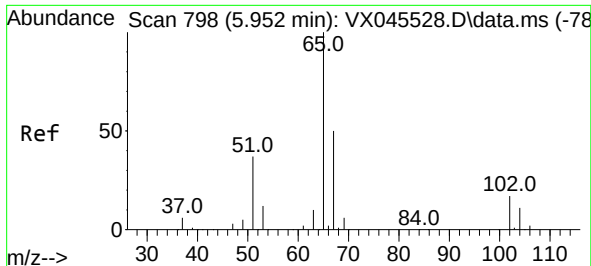
Tgt Ion: 43 Resp: 5350
Ion Ratio Lower Upper
43 100
72 12.5 18.6 28.0#



#31
Cyclohexane
Concen: 1.323 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX045608.D
Acq: 04 Apr 2025 18:38

Tgt Ion: 56 Resp: 1998
Ion Ratio Lower Upper
56 100
69 148.7 23.6 35.4#
84 136.7 67.7 101.5#

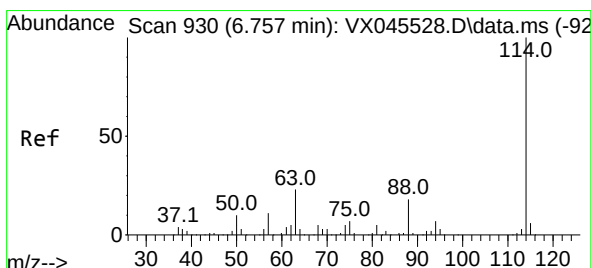
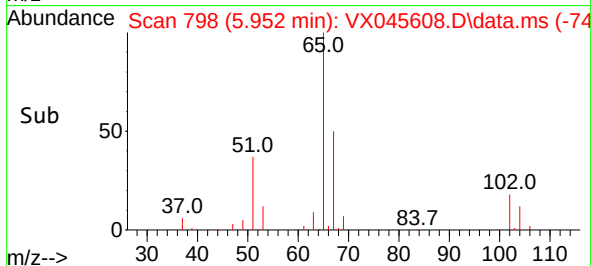
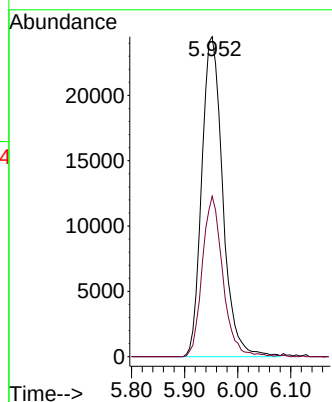
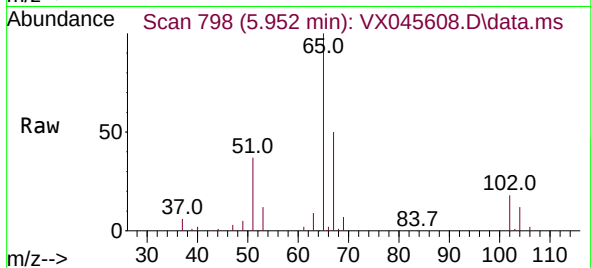




#33
 1,2-Dichloroethane-d4
 Concen: 54.749 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX045608.D
 Acq: 04 Apr 2025 18:38

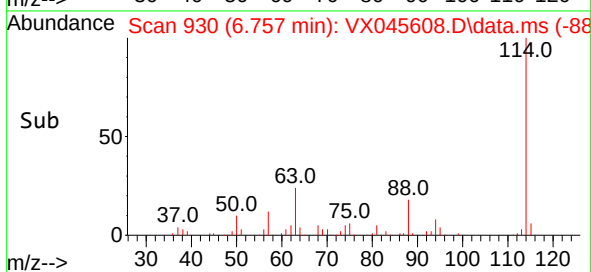
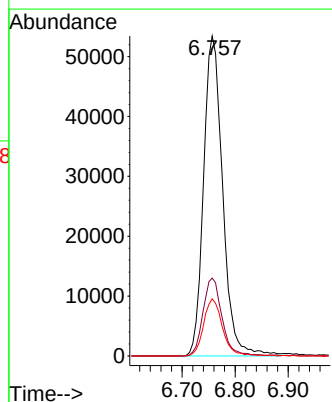
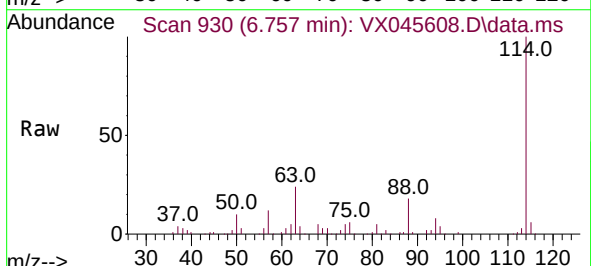
Instrument :
 MSVOA_X
 ClientSampleId :
 TT-2

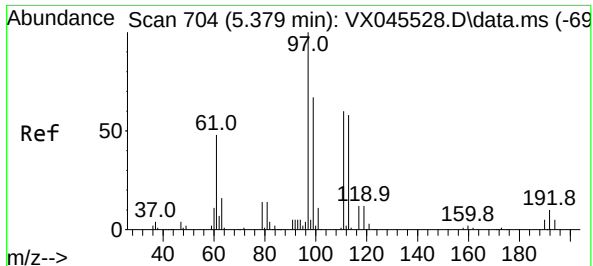
Tgt Ion: 65 Resp: 67401
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX045608.D
 Acq: 04 Apr 2025 18:38

Tgt Ion: 114 Resp: 133833
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 46.8
 88 17.9 0.0 35.4





#35

Dibromofluoromethane

Concen: 51.179 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX045608.D

Acq: 04 Apr 2025 18:38

Instrument :

MSVOA_X

ClientSampleId :

TT-2

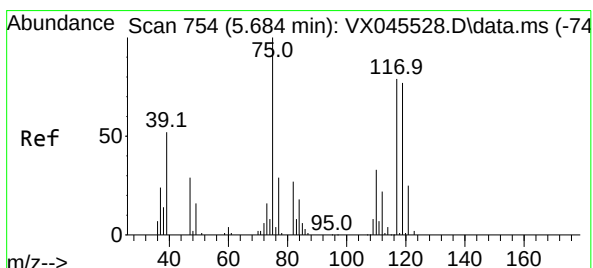
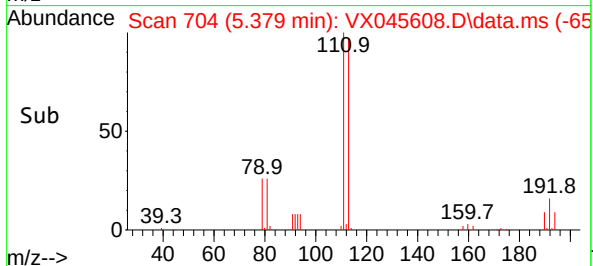
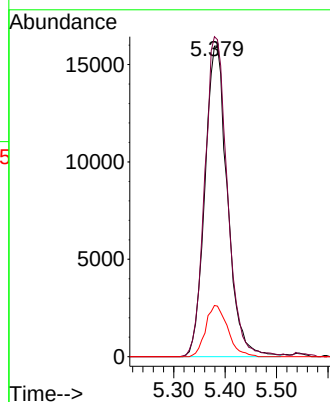
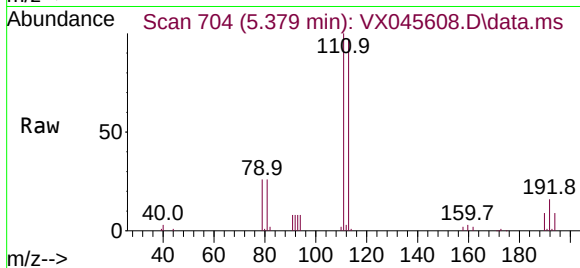
Tgt Ion:113 Resp: 48597

Ion Ratio Lower Upper

113 100

111 103.8 81.8 122.6

192 16.2 13.8 20.6



#36

1,1-Dichloropropene

Concen: 5.167 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX045608.D

Acq: 04 Apr 2025 18:38

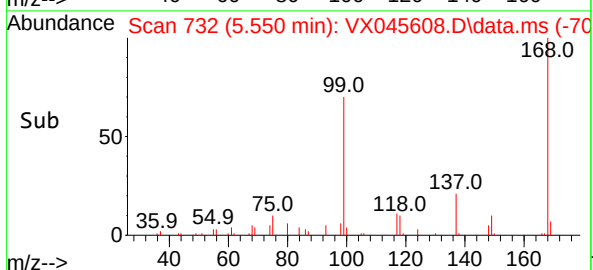
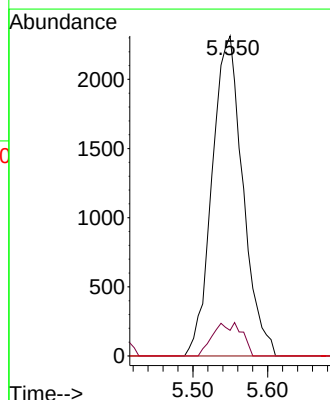
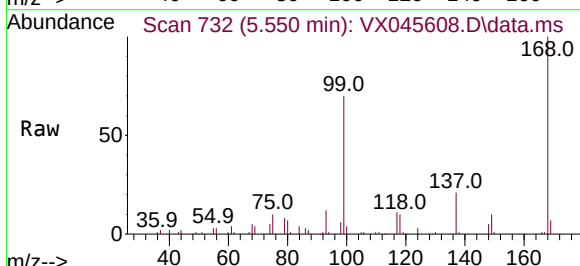
Tgt Ion: 75 Resp: 6624

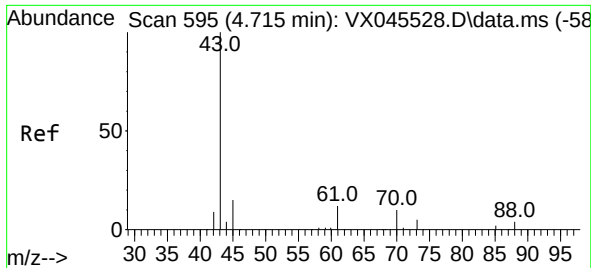
Ion Ratio Lower Upper

75 100

110 6.1 16.9 50.6#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 3.311 ug/l

RT: 4.580 min Scan# 51

Delta R.T. -0.134 min

Lab File: VX045608.D

Acq: 04 Apr 2025 18:38

Instrument :

MSVOA_X

ClientSampleId :

TT-2

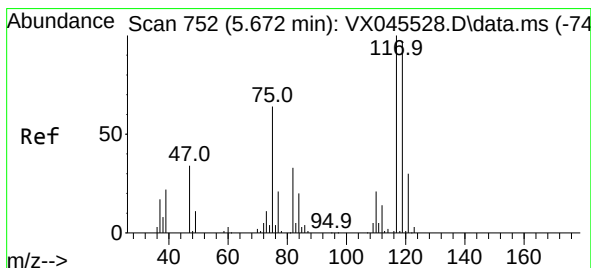
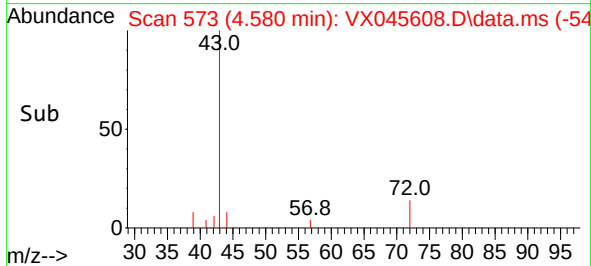
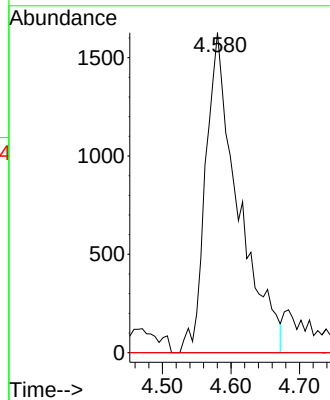
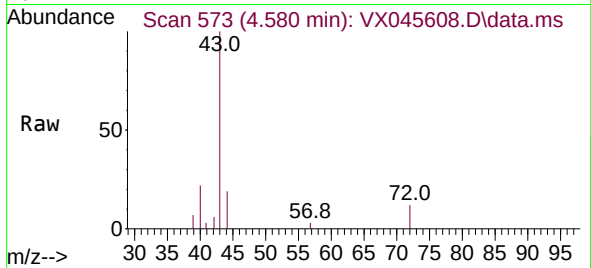
Tgt Ion: 43 Resp: 5350

Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

70 0.0 7.5 11.3#



#38

Carbon Tetrachloride

Concen: 5.739 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX045608.D

Acq: 04 Apr 2025 18:38

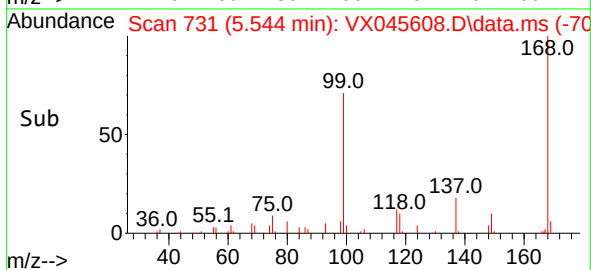
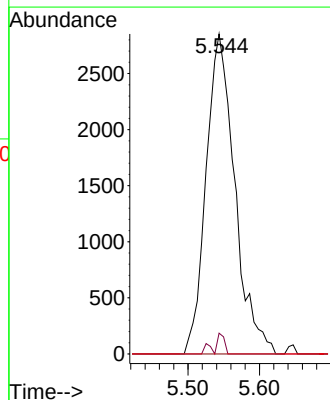
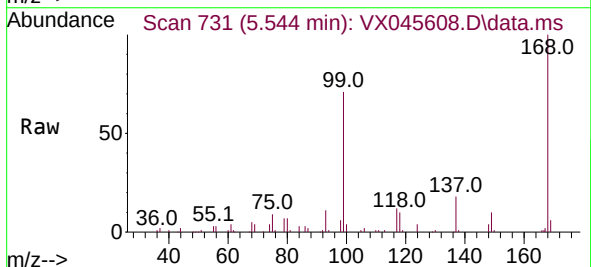
Tgt Ion:117 Resp: 7952

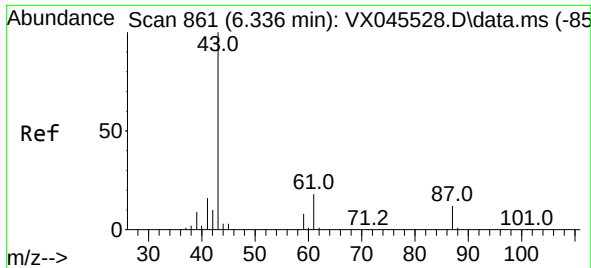
Ion Ratio Lower Upper

117 100

119 6.5 76.9 115.3#

121 0.0 24.2 36.2#

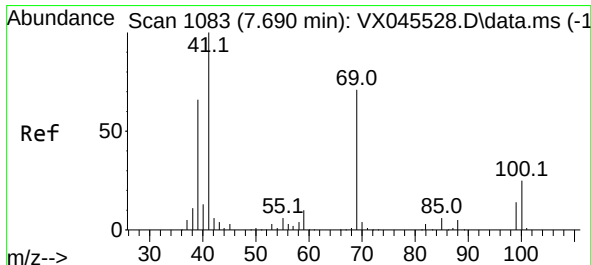
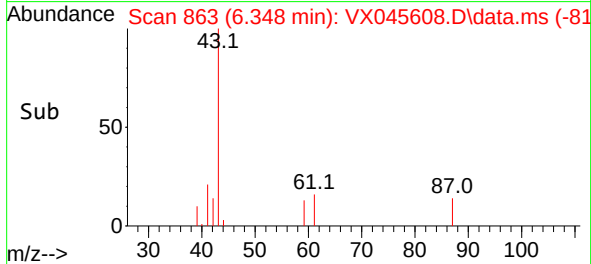
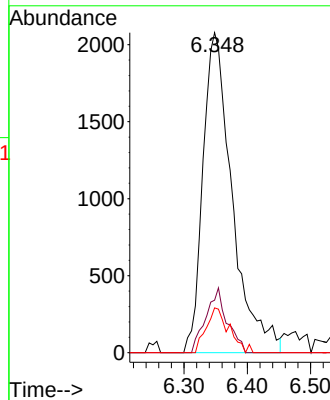
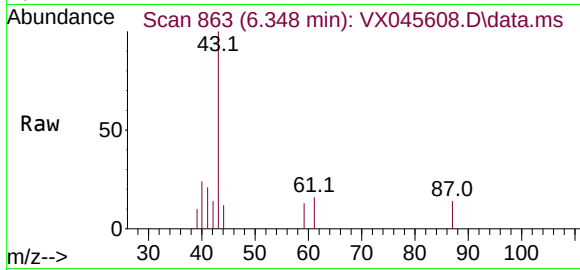




#43
Isopropyl Acetate
Concen: 2.734 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX045608.D
Acq: 04 Apr 2025 18:38

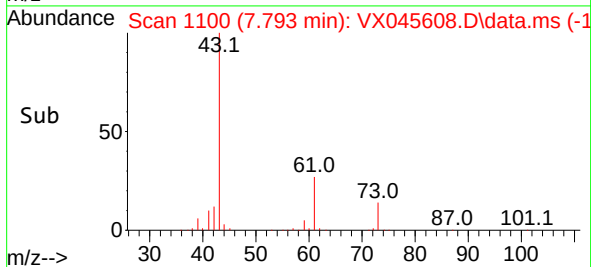
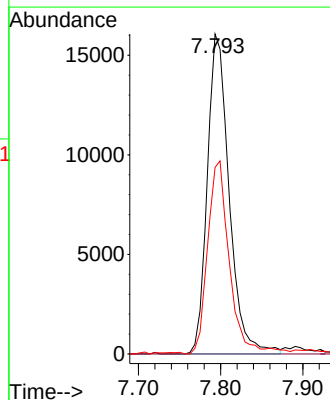
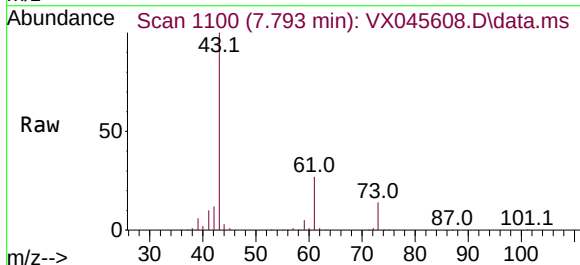
Instrument :
MSVOA_X
ClientSampleId :
TT-2

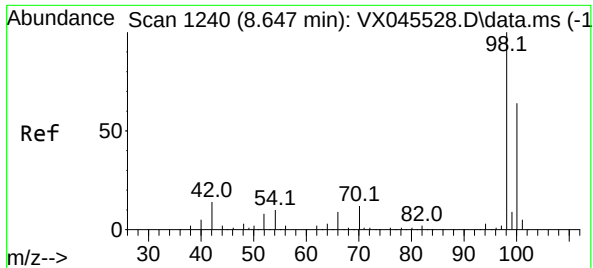
Tgt Ion: 43 Resp: 6695
Ion Ratio Lower Upper
43 100
61 14.7 14.1 21.1
87 10.9 9.2 13.8



#48
Methyl methacrylate
Concen: 23.492 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045608.D
Acq: 04 Apr 2025 18:38

Tgt Ion: 41 Resp: 29702
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 58.7 53.6 80.4

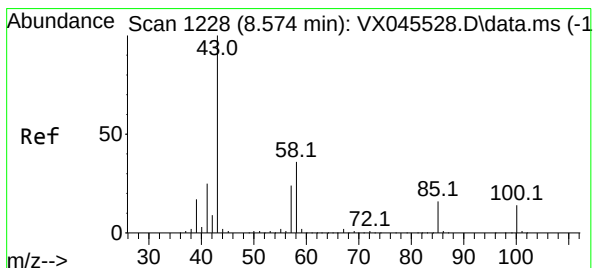
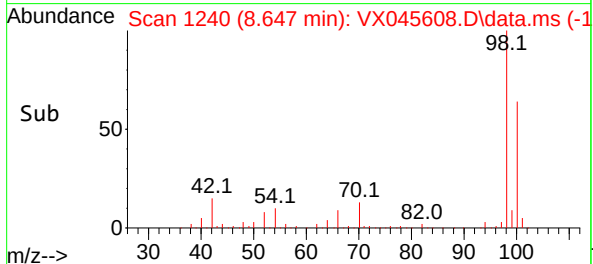
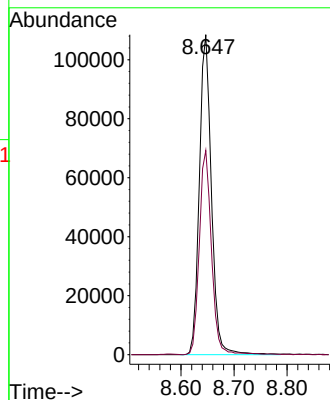
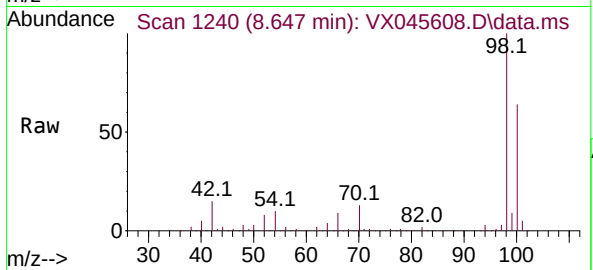




#50
Toluene-d8
Concen: 51.625 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045608.D
Acq: 04 Apr 2025 18:38

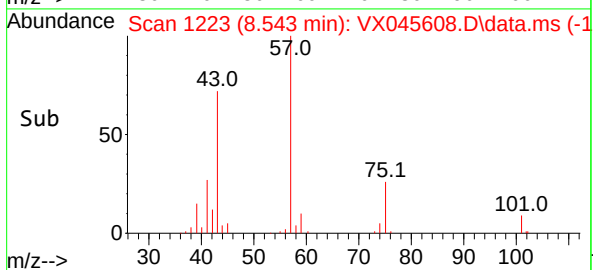
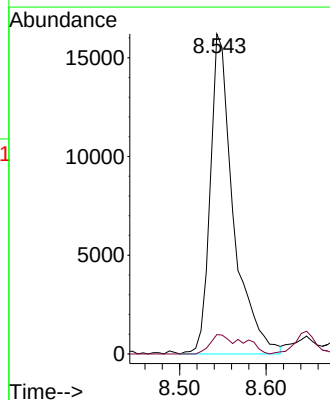
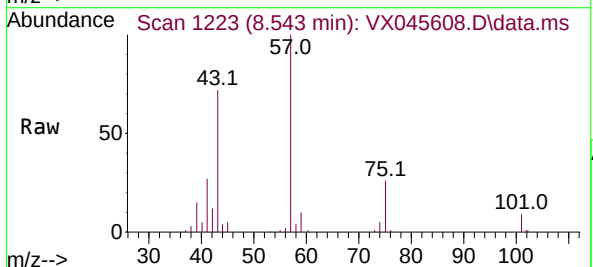
Instrument :
MSVOA_X
ClientSampleId :
TT-2

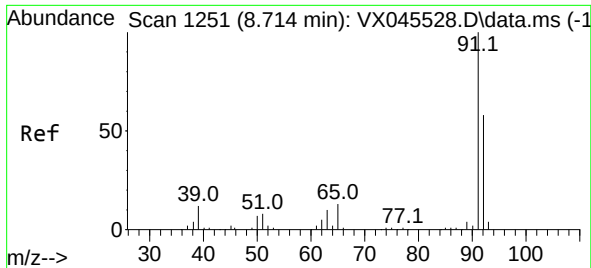
Tgt Ion: 98 Resp: 171101
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 18.492 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.031 min
Lab File: VX045608.D
Acq: 04 Apr 2025 18:38

Tgt Ion: 43 Resp: 30019
Ion Ratio Lower Upper
43 100
58 5.2 28.5 42.7#

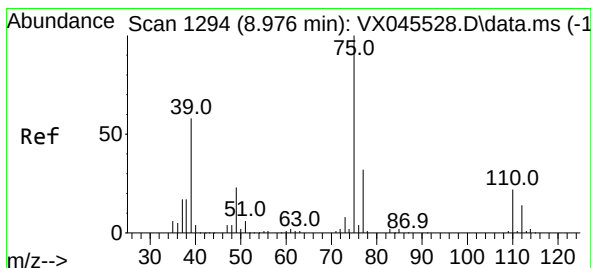
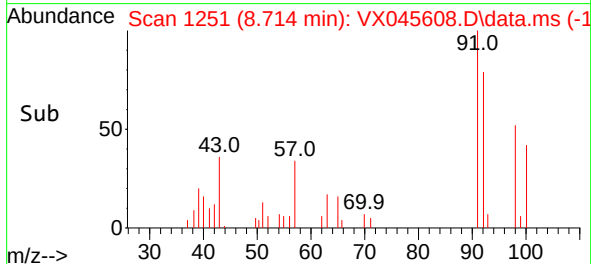
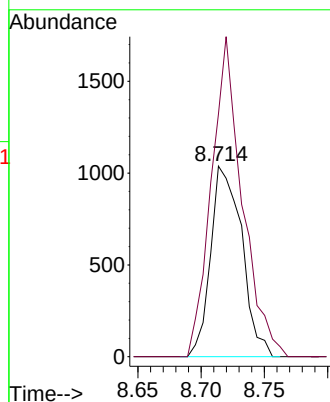
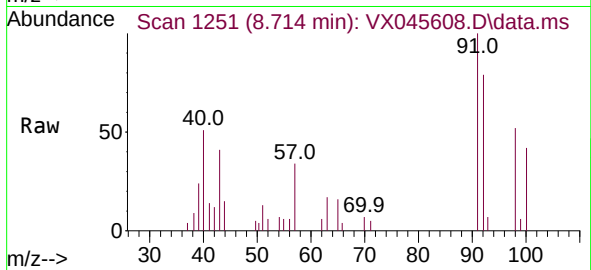




#52
Toluene
Concen: 0.750 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045608.D
Acq: 04 Apr 2025 18:38

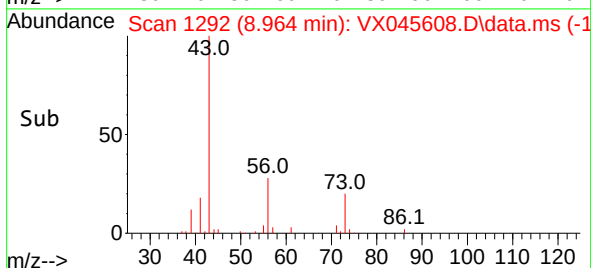
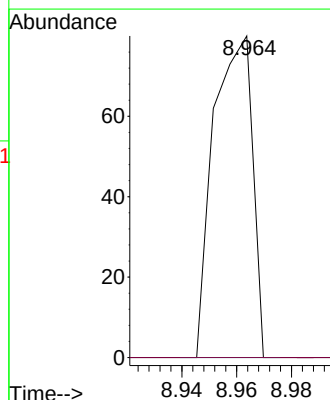
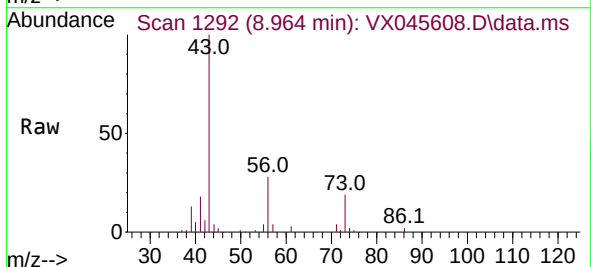
Instrument :
MSVOA_X
ClientSampleId :
TT-2

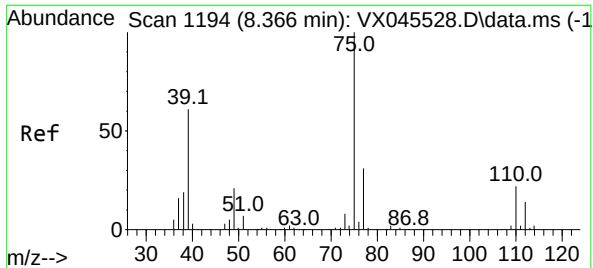
Tgt Ion: 92 Resp: 1777
Ion Ratio Lower Upper
92 100
91 166.1 138.7 208.1



#53
t-1,3-Dichloropropene
Concen: 2.341 ug/l
RT: 8.964 min Scan# 1292
Delta R.T. -0.012 min
Lab File: VX045608.D
Acq: 04 Apr 2025 18:38

Tgt Ion: 75 Resp: 79
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

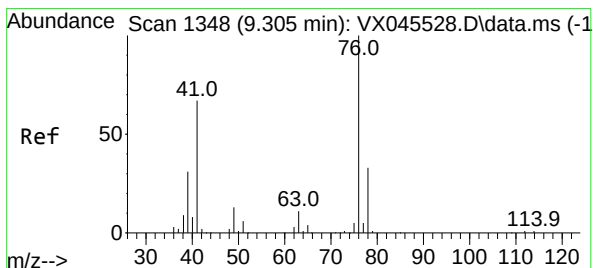
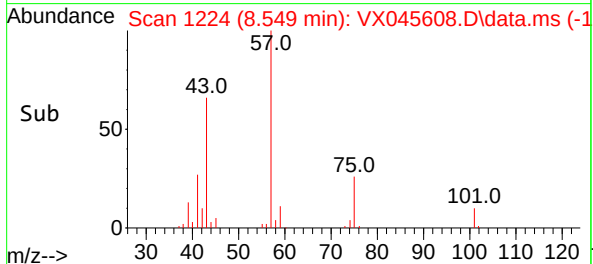
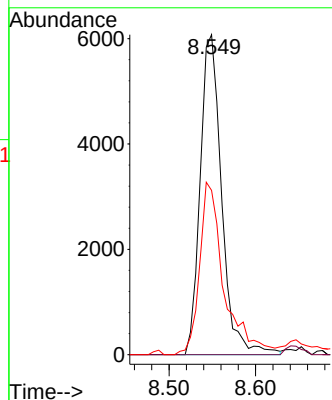
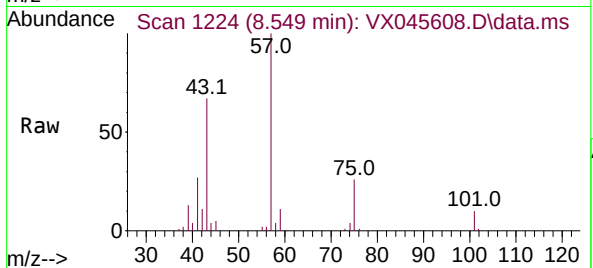




#54
 cis-1,3-Dichloropropene
 Concen: 7.419 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045608.D
 Acq: 04 Apr 2025 18:38

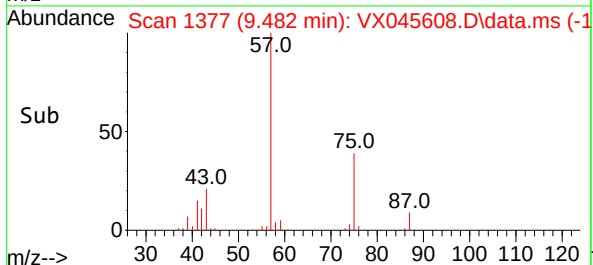
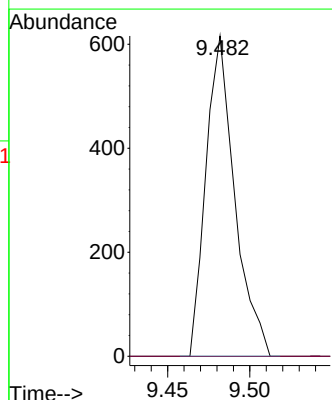
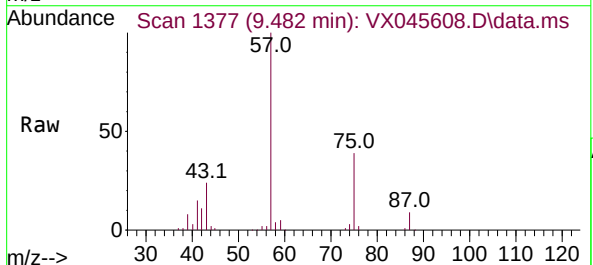
Instrument :
 MSVOA_X
 ClientSampleId :
 TT-2

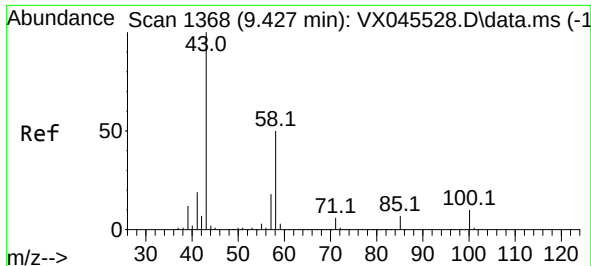
Tgt Ion: 75 Resp: 10442
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 50.3 48.4 72.6



#57
 1,3-Dichloropropane
 Concen: 0.456 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045608.D
 Acq: 04 Apr 2025 18:38

Tgt Ion: 76 Resp: 750
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

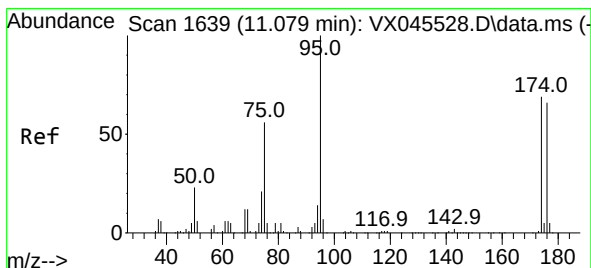
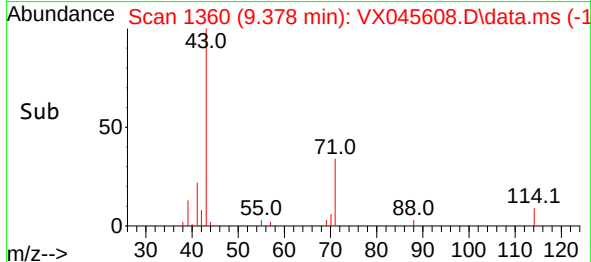
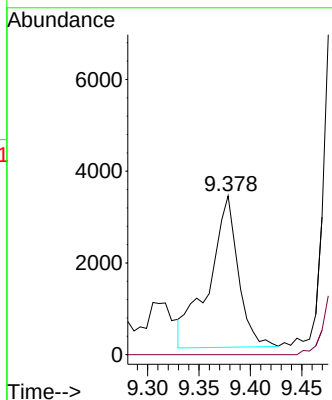
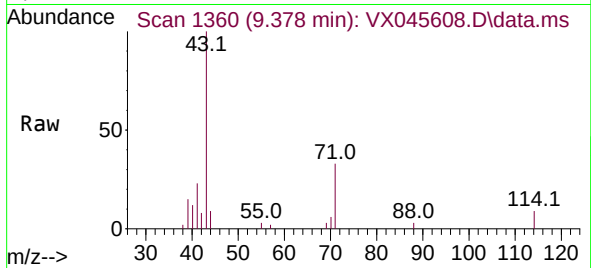




#59
2-Hexanone
Concen: 5.421 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX045608.D
Acq: 04 Apr 2025 18:38

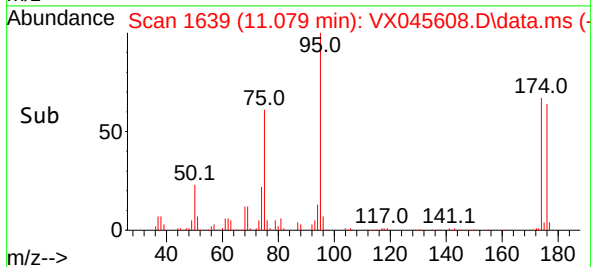
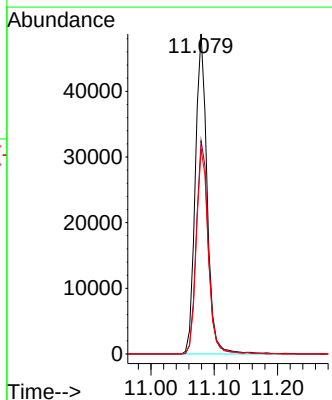
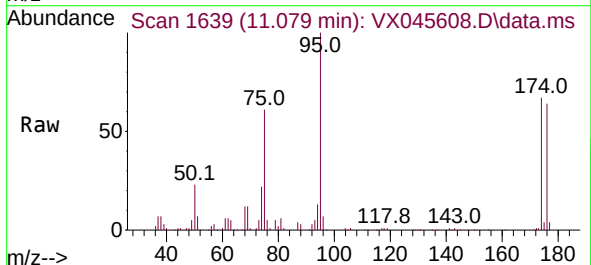
Instrument :
MSVOA_X
ClientSampleId :
TT-2

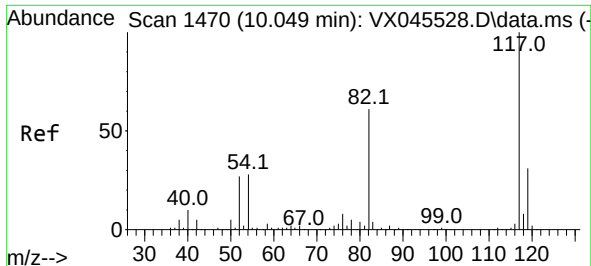
Tgt Ion: 43 Resp: 6517
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 52.577 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045608.D
Acq: 04 Apr 2025 18:38

Tgt Ion: 95 Resp: 63473
Ion Ratio Lower Upper
95 100
174 67.4 0.0 135.8
176 64.9 0.0 131.4

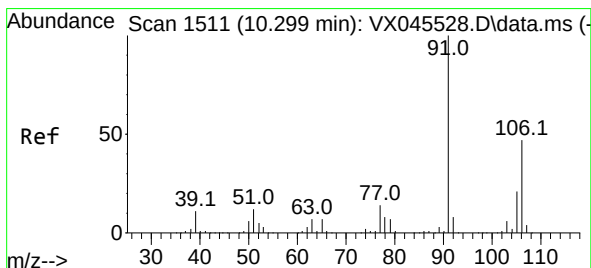
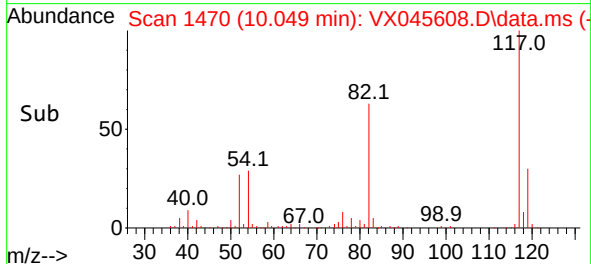
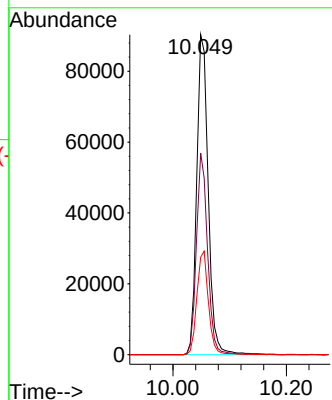
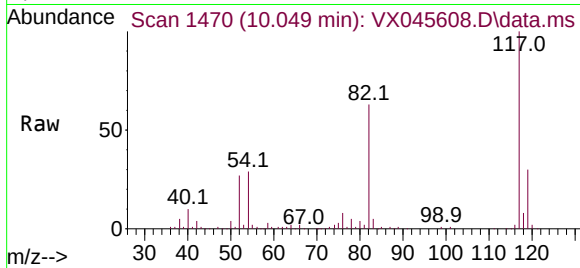




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045608.D
Acq: 04 Apr 2025 18:38

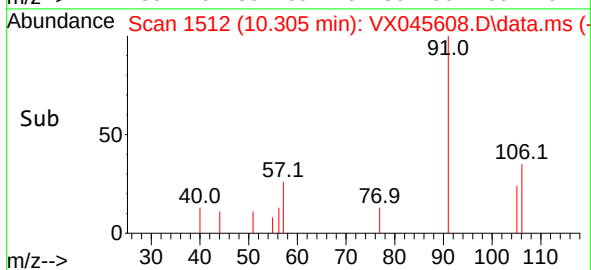
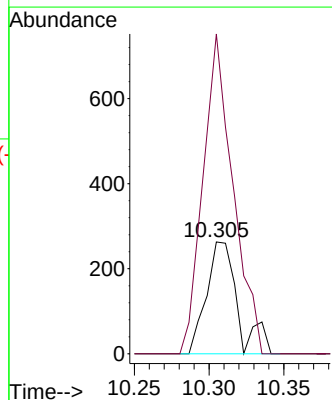
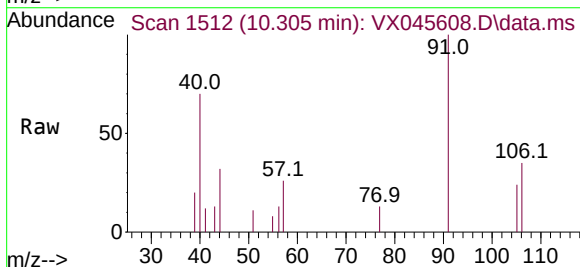
Instrument :
MSVOA_X
ClientSampleId :
TT-2

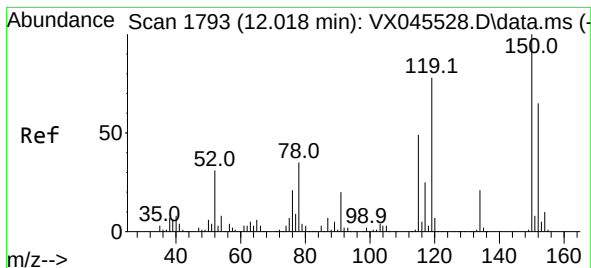
Tgt Ion:117 Resp: 126923
Ion Ratio Lower Upper
117 100
82 63.0 49.2 73.8
119 30.4 25.1 37.7



#68
m/p-Xylenes
Concen: 0.215 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX045608.D
Acq: 04 Apr 2025 18:38

Tgt Ion:106 Resp: 380
Ion Ratio Lower Upper
106 100
91 276.1 172.6 258.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045608.D

Acq: 04 Apr 2025 18:38

Instrument :

MSVOA_X

ClientSampleId :

TT-2

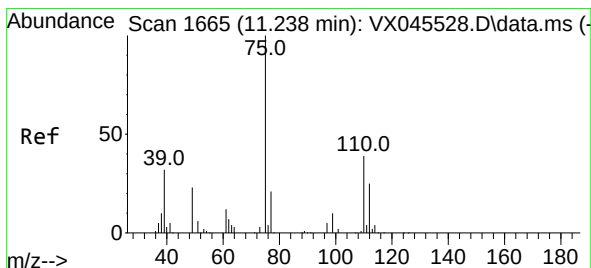
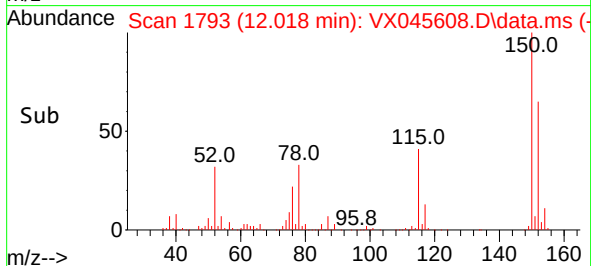
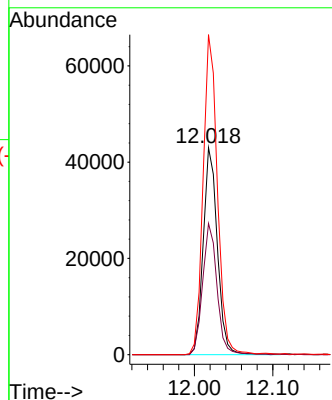
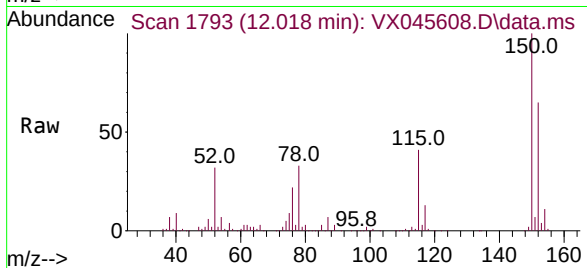
Tgt Ion:152 Resp: 53869

Ion Ratio Lower Upper

152 100

115 64.2 46.9 140.7

150 156.0 0.0 349.4



#76

1,2,3-Trichloropropane

Concen: 28.246 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX045608.D

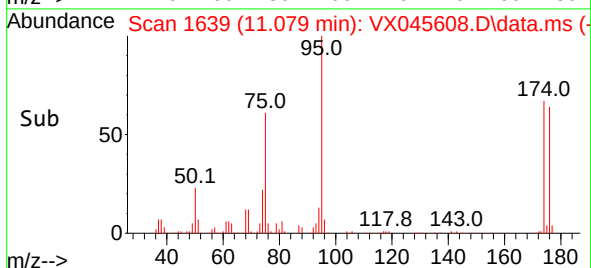
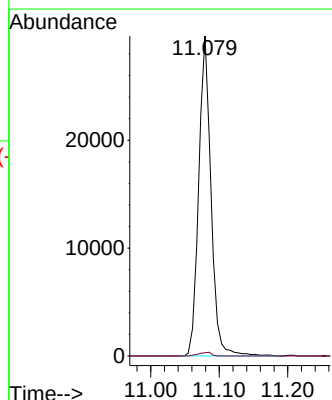
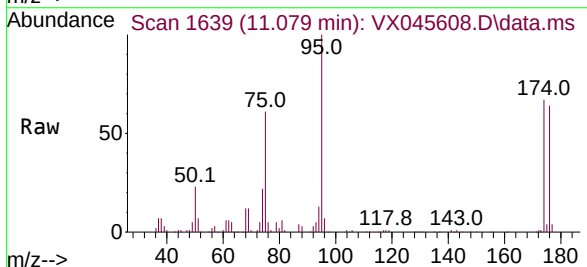
Acq: 04 Apr 2025 18:38

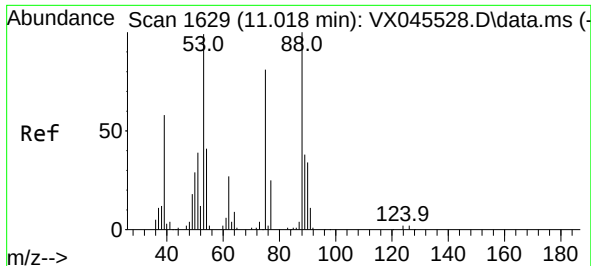
Tgt Ion: 75 Resp: 37115

Ion Ratio Lower Upper

75 100

77 1.2 20.0 59.9#

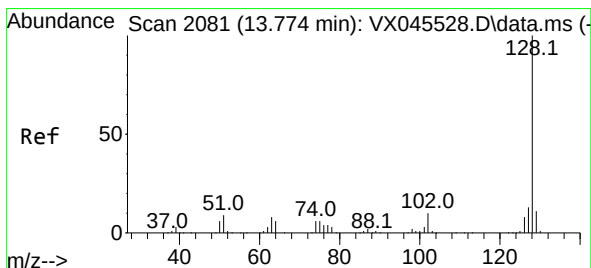
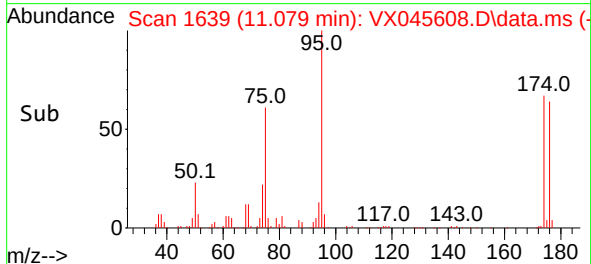
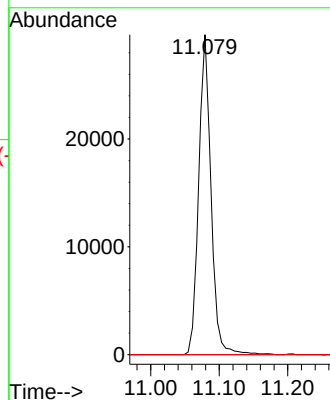
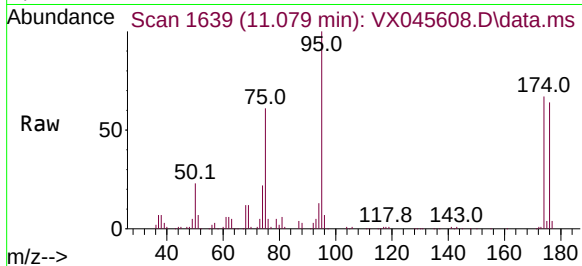




#81
trans-1,4-Dichloro-2-butene
Concen: 95.863 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045608.D
Acq: 04 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
TT-2

Tgt Ion: 75 Resp: 37115
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.441 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX045608.D
Acq: 04 Apr 2025 18:38

Tgt Ion:128 Resp: 1648
Ion Ratio Lower Upper
128 100
127 7.7 10.3 15.5#
129 10.6 8.6 12.8

