

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040825\
 Data File : VX045656.D
 Acq On : 08 Apr 2025 16:44
 Operator : JC/MD
 Sample : Q1732-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-8

Quant Time: Apr 09 01:41:49 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)

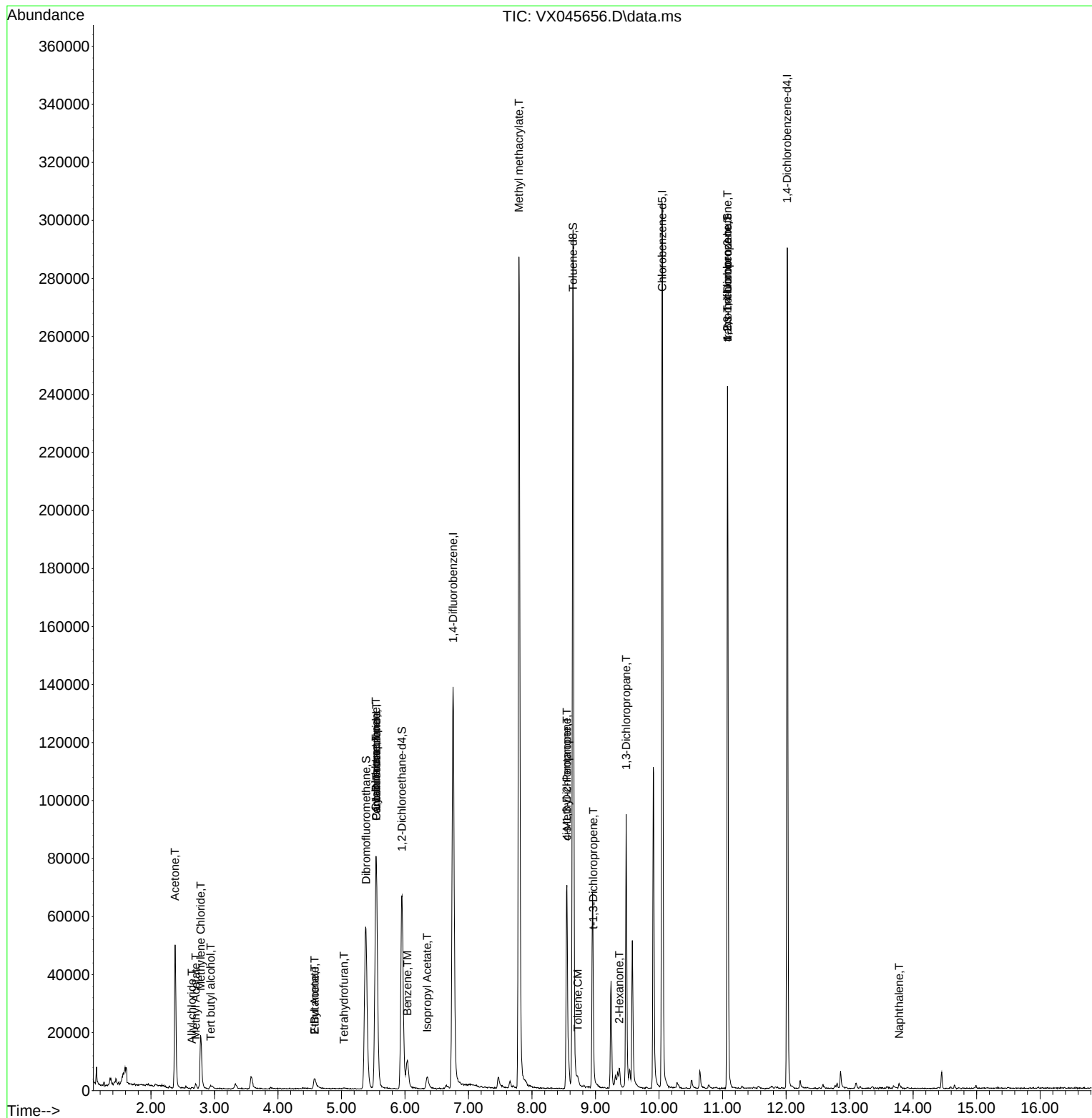
Internal Standards						
1) Pentafluorobenzene	5.550	168	67946	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133535	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	124292	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51749	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67925	54.666	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.340%	
35) Dibromofluoromethane	5.385	113	48424	51.111	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.220%	
50) Toluene-d8	8.647	98	169710	51.320	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.640%	
62) 4-Bromofluorobenzene	11.079	95	62008	51.478	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.960%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	505	3.024	ug/l #	72
14) Allyl chloride	2.642	41	364	0.235	ug/l #	58
16) Acetone	2.379	43	53489	104.833	ug/l	99
18) Methyl Acetate	2.703	43	2306	1.963	ug/l	96
20) Methylene Chloride	2.782	84	8467	8.864	ug/l	98
25) 2-Butanone	4.574	43	7384	9.887	ug/l	95
29) Tetrahydrofuran	5.037	42	173	0.357	ug/l #	35
31) Cyclohexane	5.543	56	1956	1.283	ug/l #	27
36) 1,1-Dichloropropene	5.543	75	6698	5.236	ug/l #	48
37) Ethyl Acetate	4.574	43	7384	4.580	ug/l #	71
38) Carbon Tetrachloride	5.550	117	8246	5.964	ug/l #	16
40) Benzene	6.037	78	11551	2.957	ug/l	92
43) Isopropyl Acetate	6.348	43	6581	2.693	ug/l	97
48) Methyl methacrylate	7.793	41	29736	23.571	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	31105	19.204	ug/l #	47
52) Toluene	8.720	92	532	0.225	ug/l	97
53) t-1,3-Dichloropropene	8.964	75	136	2.379	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	10473	7.458	ug/l #	70
57) 1,3-Dichloropropane	9.482	76	750	0.457	ug/l #	42
59) 2-Hexanone	9.372	43	5909	4.926	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	36251	28.719	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36251	97.468	ug/l #	1
95) Naphthalene	13.780	128	1398	0.389	ug/l #	93

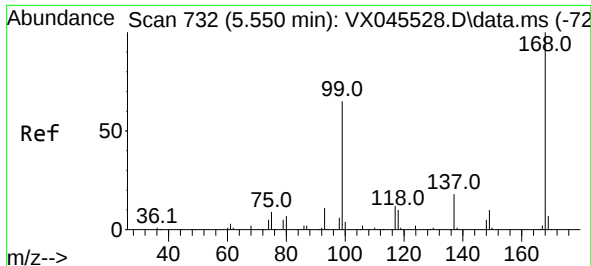
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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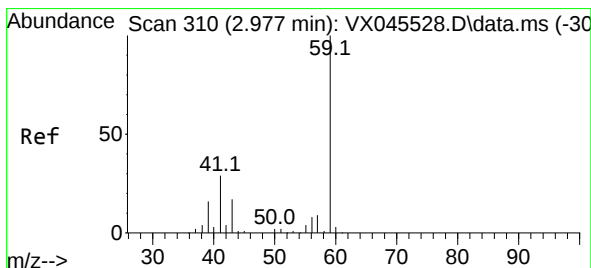
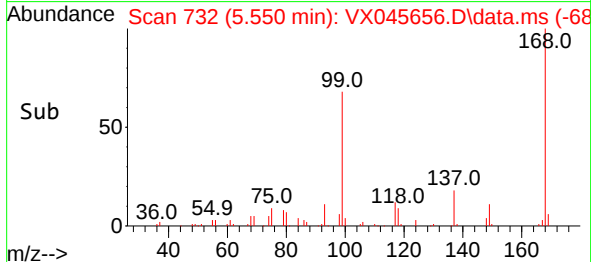
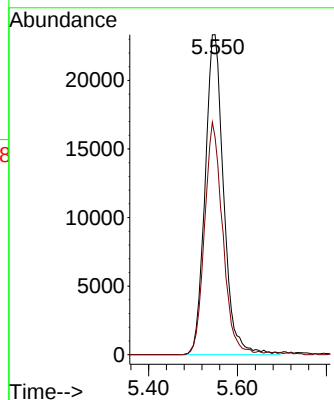
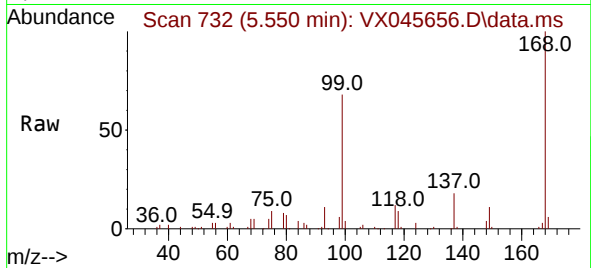




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045656.D
Acq: 08 Apr 2025 16:44

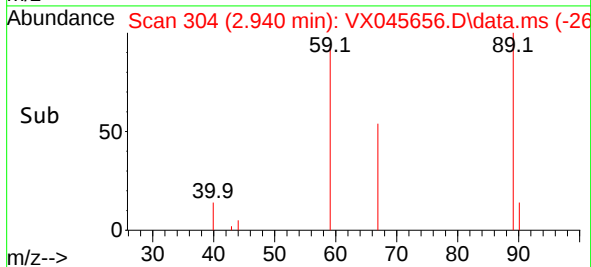
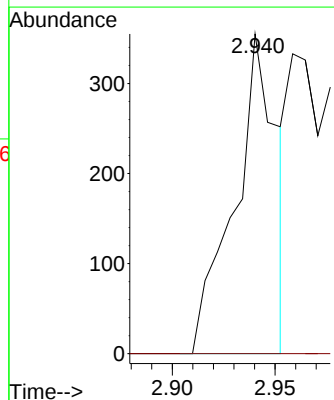
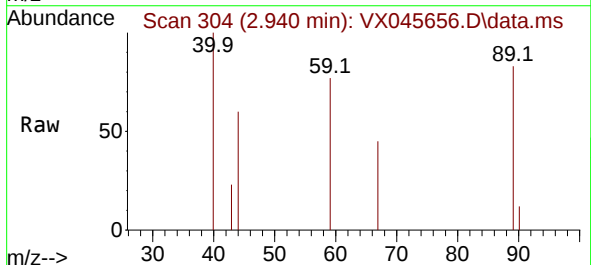
Instrument :
MSVOA_X
ClientSampleId :
TT-8

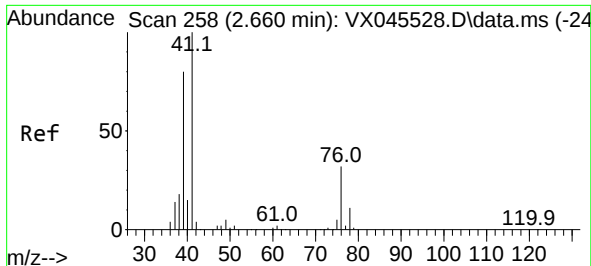
Tgt Ion:168 Resp: 67946
Ion Ratio Lower Upper
168 100
99 68.0 52.3 78.5



#11
Tert butyl alcohol
Concen: 3.024 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX045656.D
Acq: 08 Apr 2025 16:44

Tgt Ion: 59 Resp: 505
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

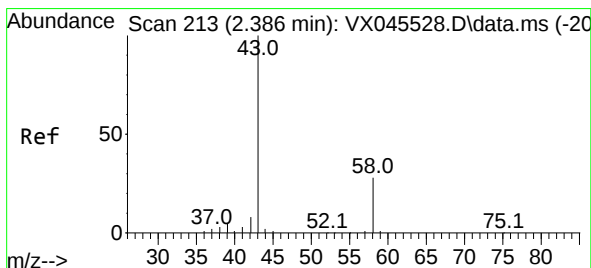
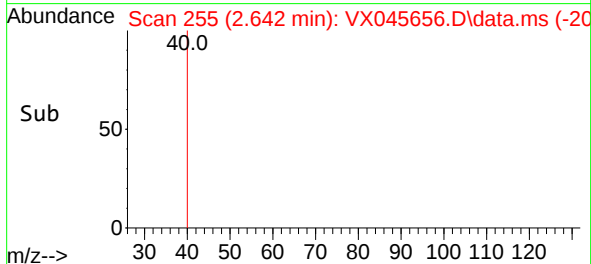
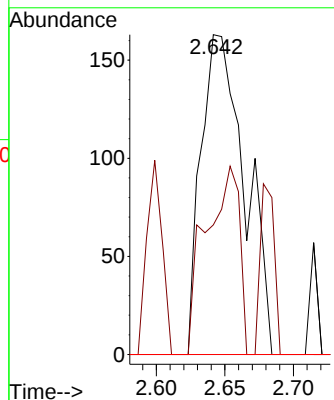
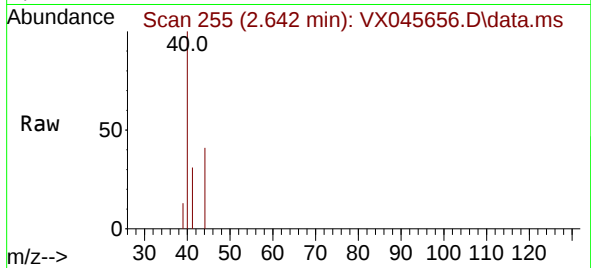




#14
 Allyl chloride
 Concen: 0.235 ug/l
 RT: 2.642 min Scan# 212
 Delta R.T. -0.018 min
 Lab File: VX045656.D
 Acq: 08 Apr 2025 16:44

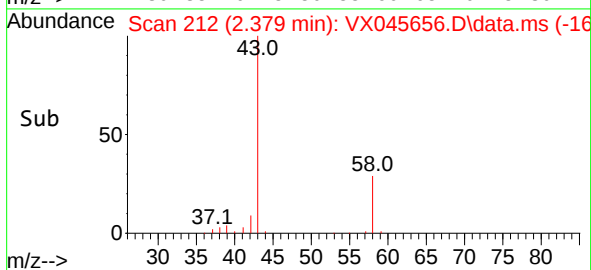
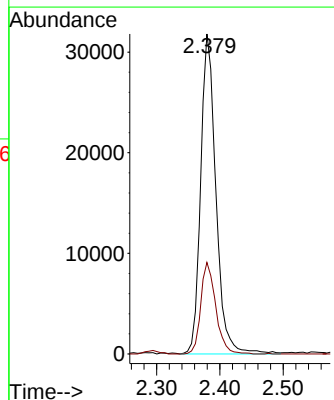
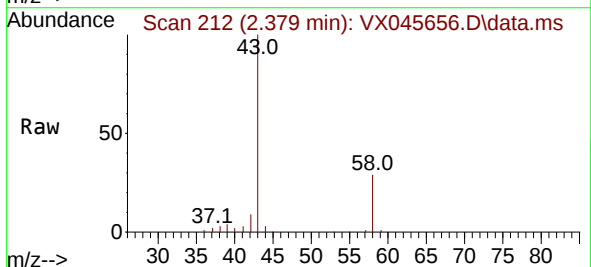
Instrument :
 MSVOA_X
 ClientSampleId :
 TT-8

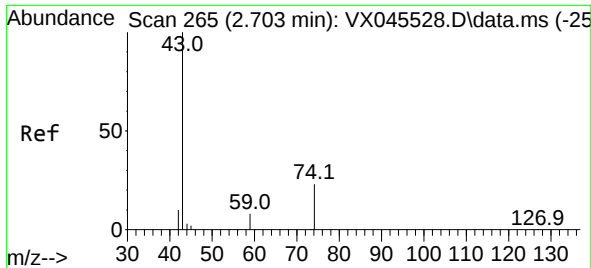
Tgt Ion: 41 Resp: 364
 Ion Ratio Lower Upper
 41 100
 39 44.8 60.2 90.2#
 76 0.0 24.6 36.8#



#16
 Acetone
 Concen: 104.833 ug/l
 RT: 2.379 min Scan# 212
 Delta R.T. -0.006 min
 Lab File: VX045656.D
 Acq: 08 Apr 2025 16:44

Tgt Ion: 43 Resp: 53489
 Ion Ratio Lower Upper
 43 100
 58 28.6 22.3 33.5

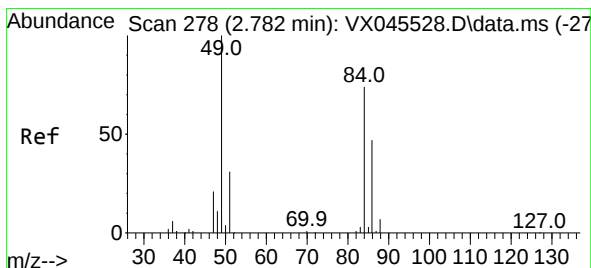
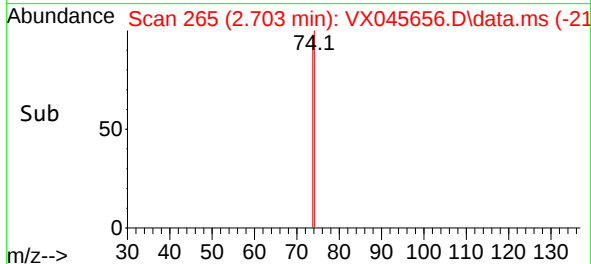
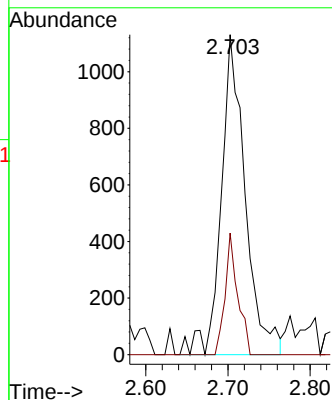
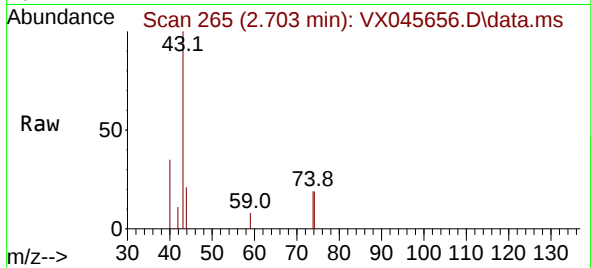




#18
Methyl Acetate
Concen: 1.963 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045656.D
Acq: 08 Apr 2025 16:44

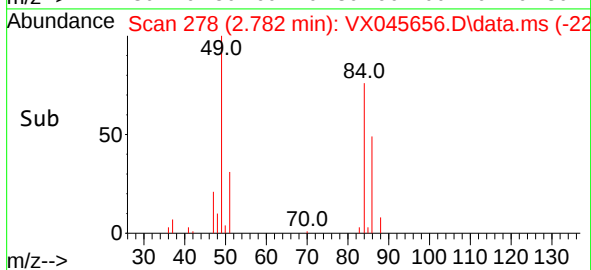
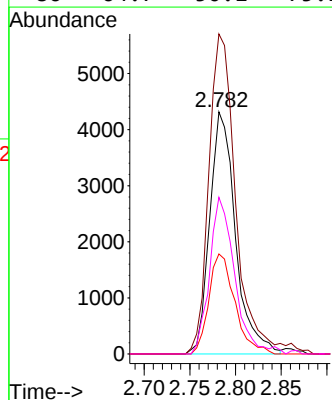
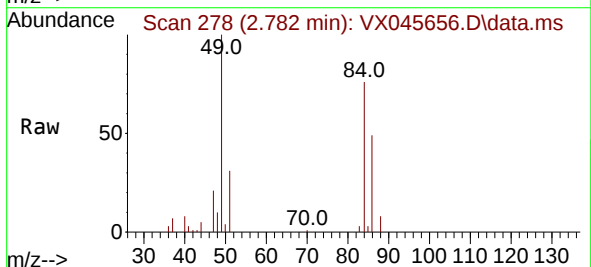
Instrument :
MSVOA_X
ClientSampleId :
TT-8

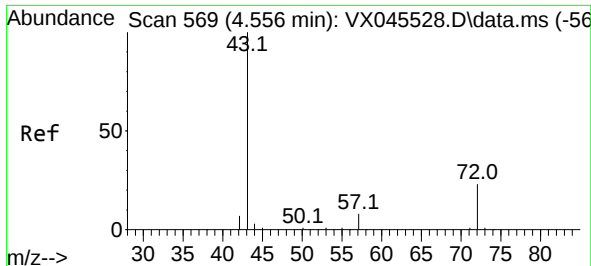
Tgt Ion: 43 Resp: 2306
Ion Ratio Lower Upper
43 100
74 19.9 17.5 26.3



#20
Methylene Chloride
Concen: 8.864 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045656.D
Acq: 08 Apr 2025 16:44

Tgt Ion: 84 Resp: 8467
Ion Ratio Lower Upper
84 100
49 132.2 107.5 161.3
51 41.3 33.0 49.6
86 64.7 50.1 75.1





#25

2-Butanone

Concen: 9.887 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX045656.D

Acq: 08 Apr 2025 16:44

Instrument :

MSVOA_X

ClientSampleId :

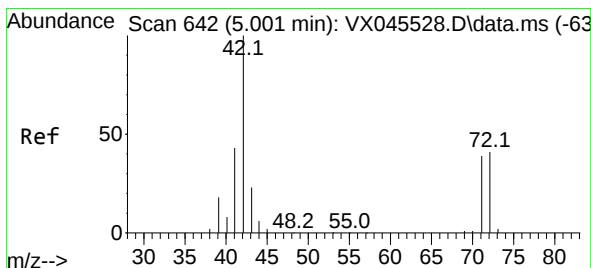
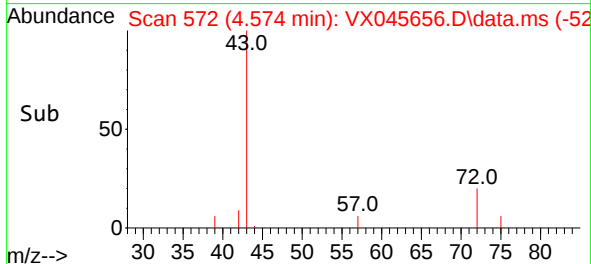
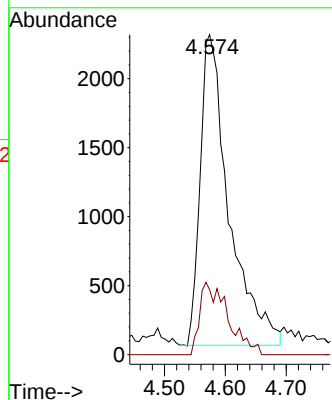
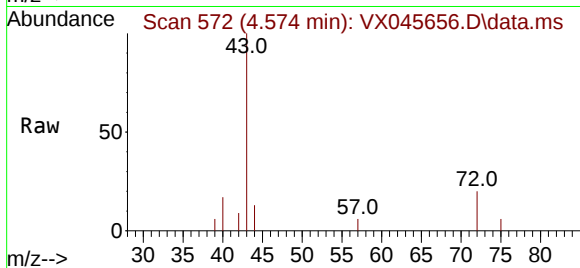
TT-8

Tgt Ion: 43 Resp: 7384

Ion Ratio Lower Upper

43 100

72 20.9 18.6 28.0



#29

Tetrahydrofuran

Concen: 0.357 ug/l

RT: 5.037 min Scan# 648

Delta R.T. 0.036 min

Lab File: VX045656.D

Acq: 08 Apr 2025 16:44

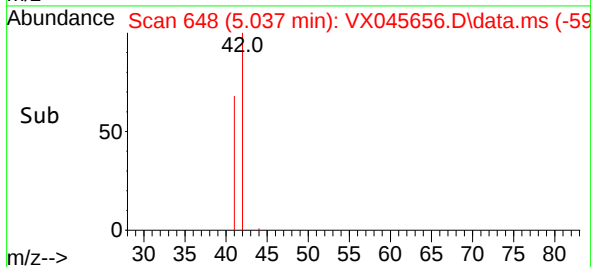
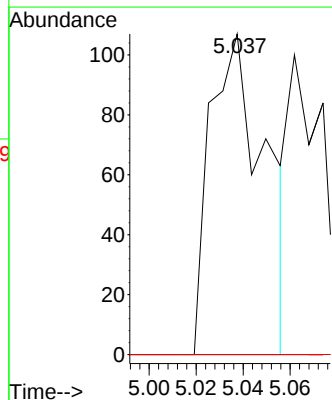
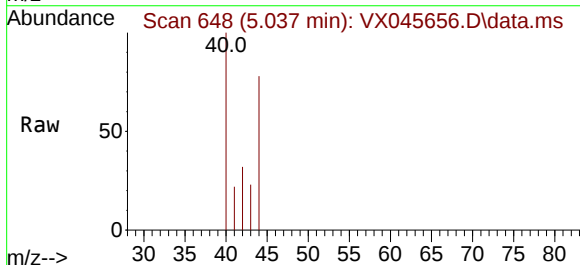
Tgt Ion: 42 Resp: 173

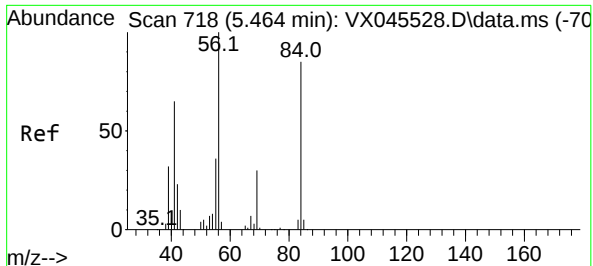
Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#

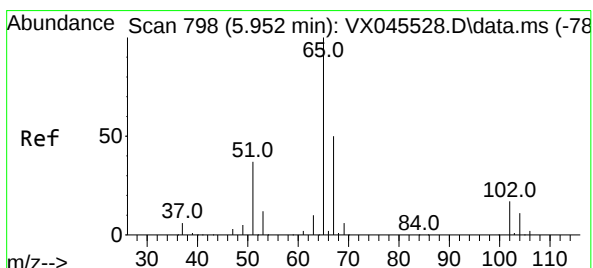
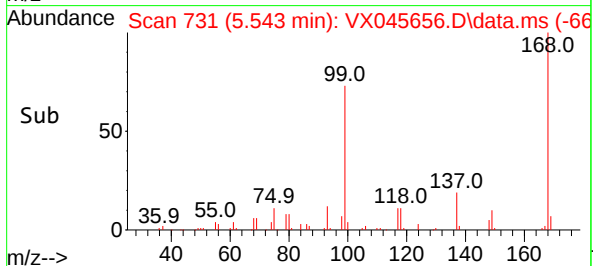
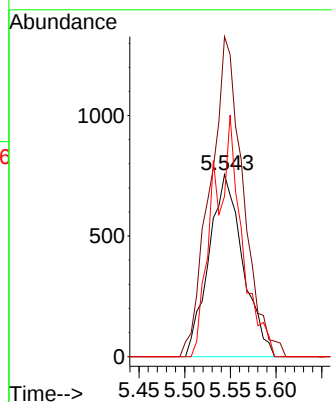
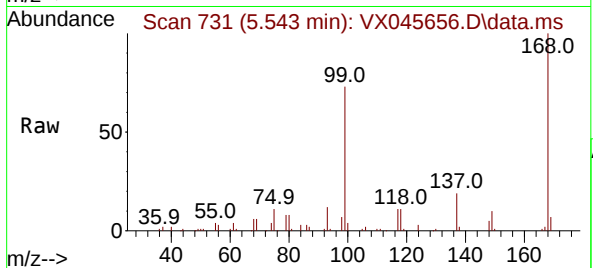




#31
Cyclohexane
Concen: 1.283 ug/l
RT: 5.543 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045656.D
Acq: 08 Apr 2025 16:44

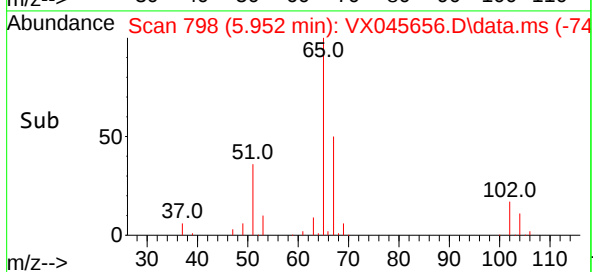
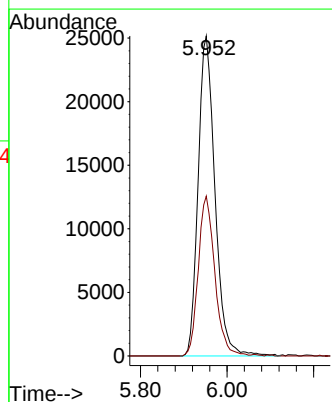
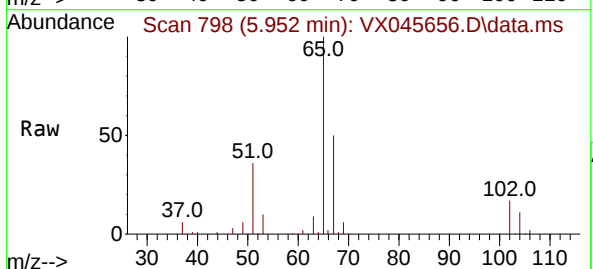
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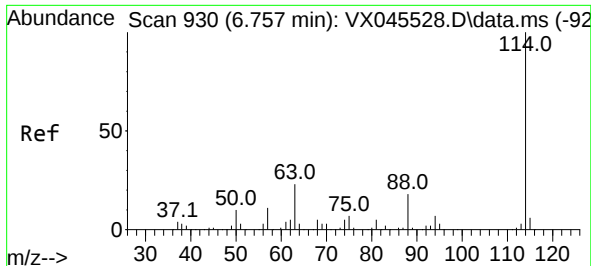
Tgt Ion: 56 Resp: 1956
Ion Ratio Lower Upper
56 100
69 175.8 23.6 35.4#
84 88.1 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 54.666 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045656.D
Acq: 08 Apr 2025 16:44

Tgt Ion: 65 Resp: 67925
Ion Ratio Lower Upper
65 100
67 49.3 0.0 99.0

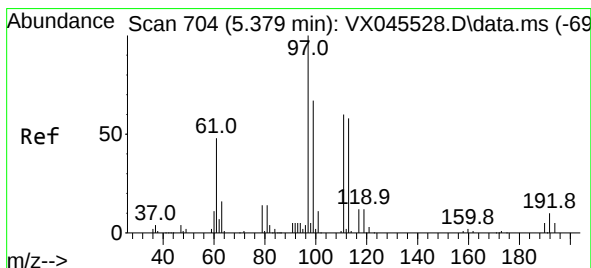
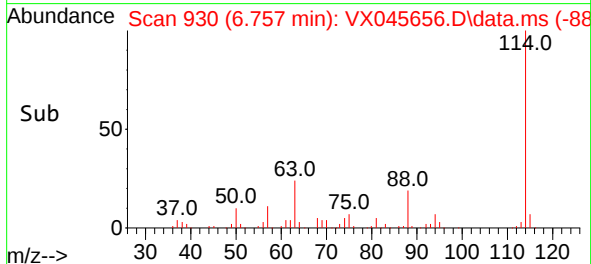
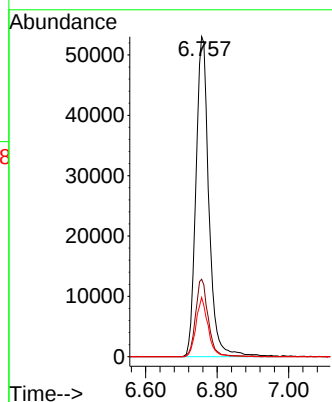
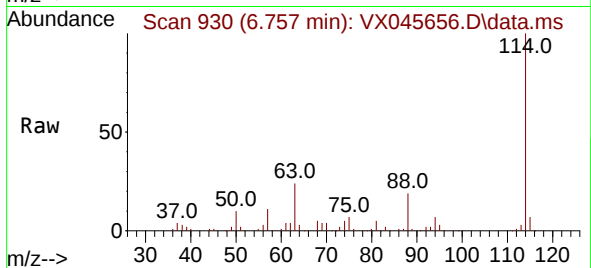




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VX045656.D
 Acq: 08 Apr 2025 16:44

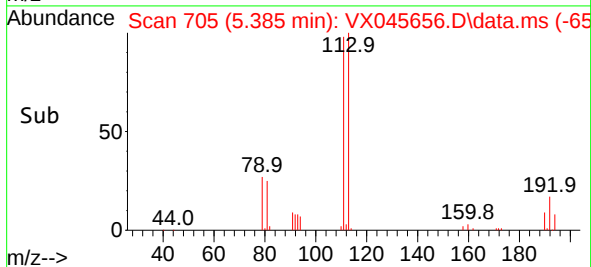
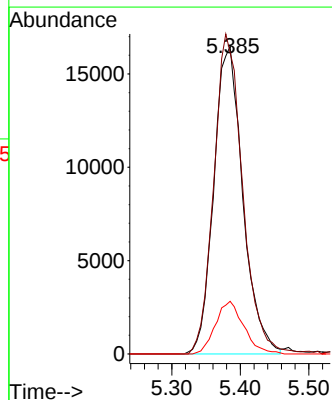
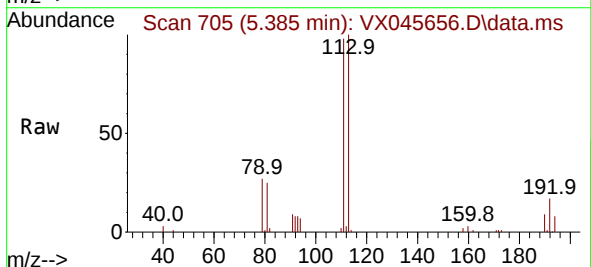
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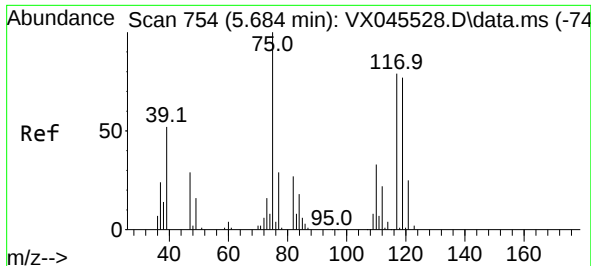
Tgt Ion:114 Resp: 133535
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 46.8
 88 18.5 0.0 35.4



#35
 Dibromofluoromethane
 Concen: 51.111 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. 0.006 min
 Lab File: VX045656.D
 Acq: 08 Apr 2025 16:44

Tgt Ion:113 Resp: 48424
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.8 122.6
 192 16.7 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.236 ug/l

RT: 5.543 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX045656.D

Acq: 08 Apr 2025 16:44

Instrument :

MSVOA_X

ClientSampleId :

TT-8

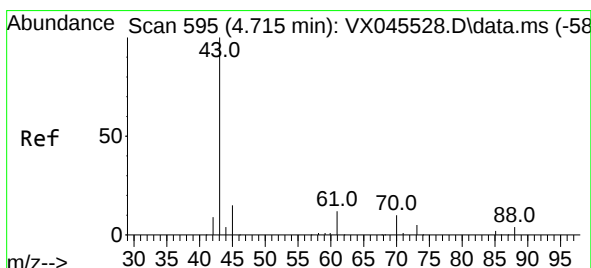
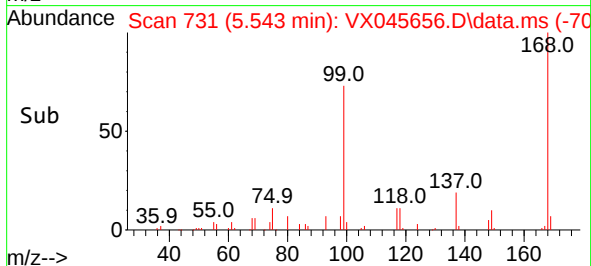
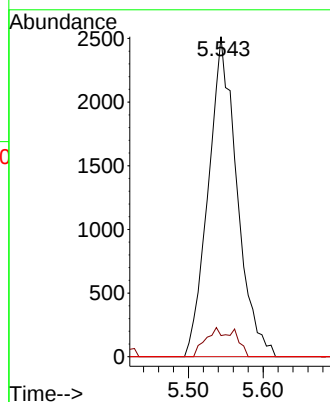
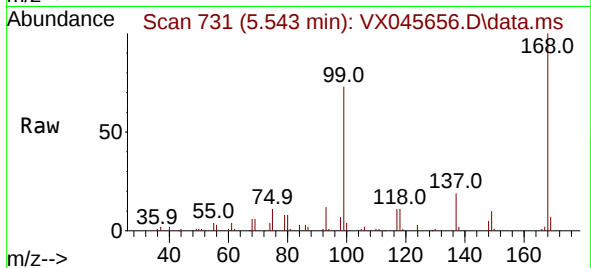
Tgt Ion: 75 Resp: 6698

Ion Ratio Lower Upper

75 100

110 6.9 16.9 50.6#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 4.580 ug/l

RT: 4.574 min Scan# 572

Delta R.T. -0.140 min

Lab File: VX045656.D

Acq: 08 Apr 2025 16:44

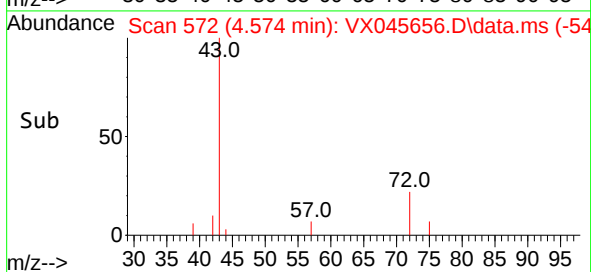
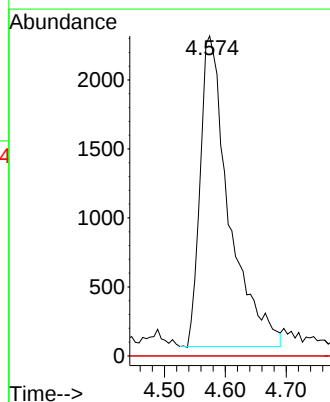
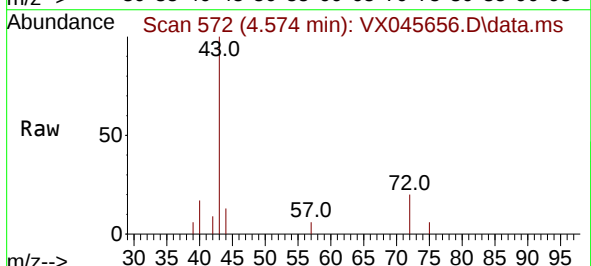
Tgt Ion: 43 Resp: 7384

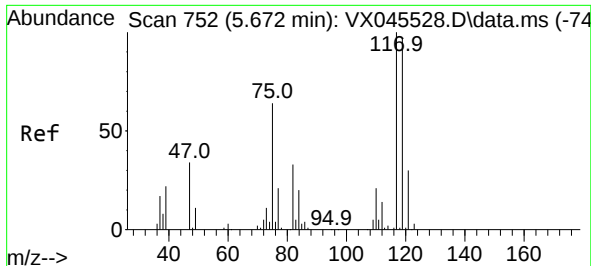
Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

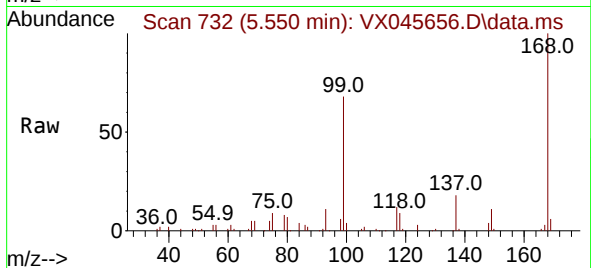
70 0.0 7.5 11.3#



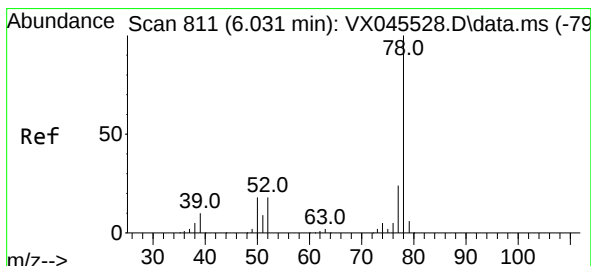
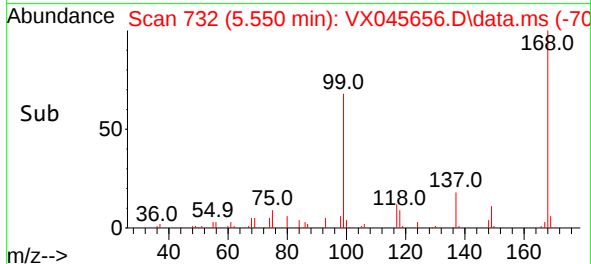
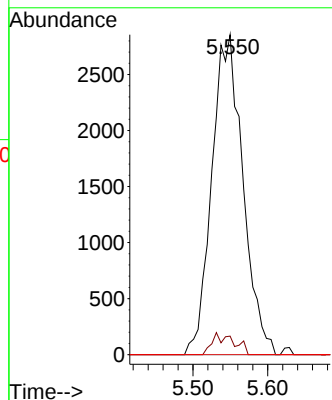


#38
Carbon Tetrachloride
Concen: 5.964 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX045656.D
Acq: 08 Apr 2025 16:44

Instrument :
MSVOA_X
ClientSampleId :
TT-8

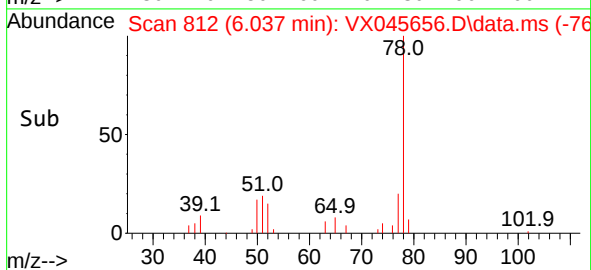
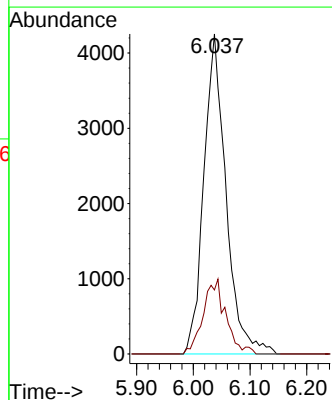
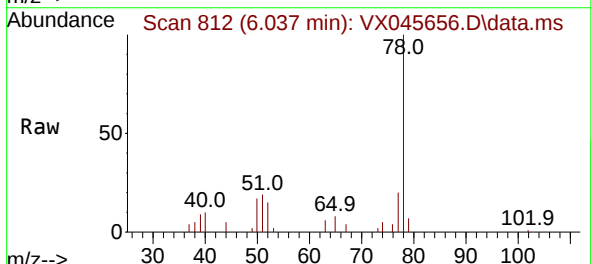


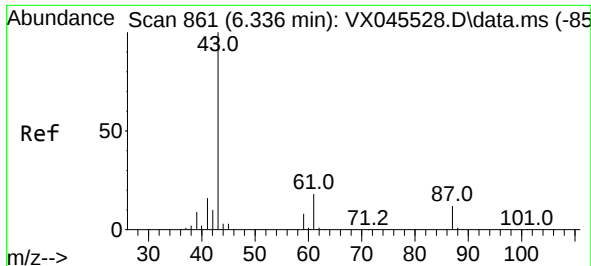
Tgt Ion:117 Resp: 8246
Ion Ratio Lower Upper
117 100
119 5.8 76.9 115.3#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 2.957 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX045656.D
Acq: 08 Apr 2025 16:44

Tgt Ion: 78 Resp: 11551
Ion Ratio Lower Upper
78 100
77 20.0 19.0 28.6

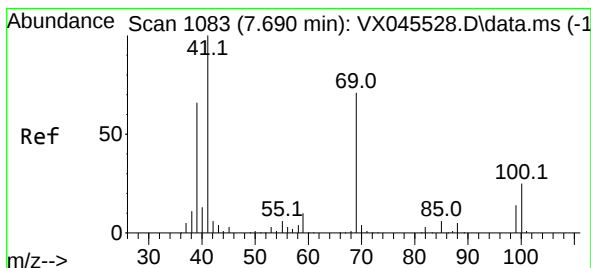
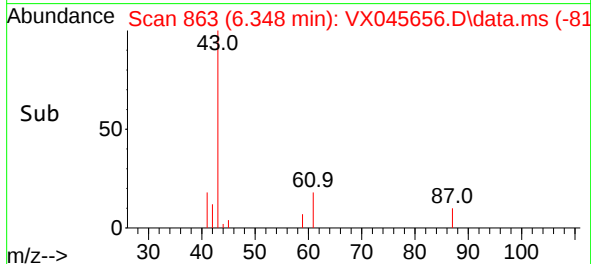
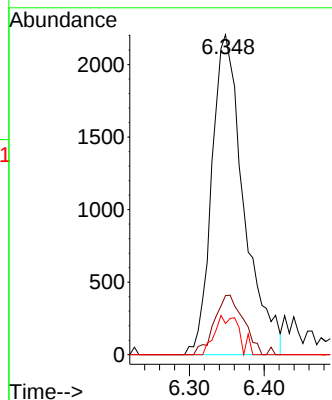
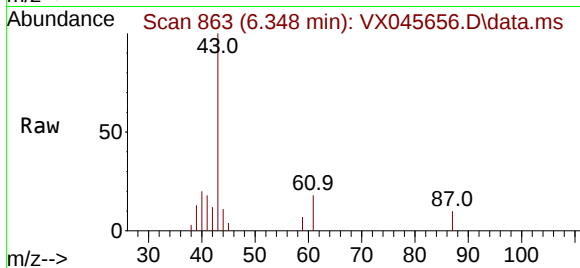




#43
Isopropyl Acetate
Concen: 2.693 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX045656.D
Acq: 08 Apr 2025 16:44

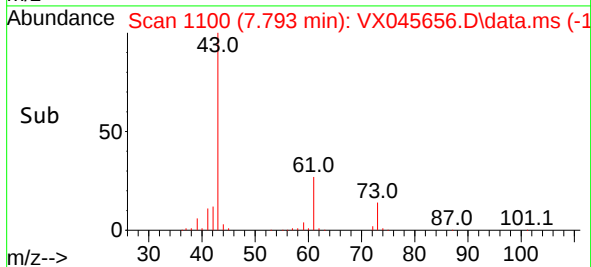
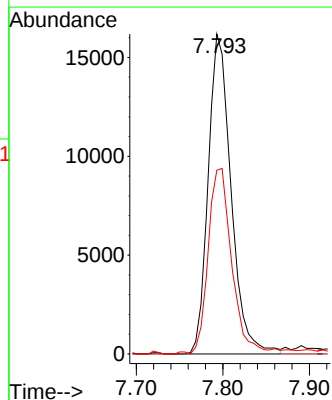
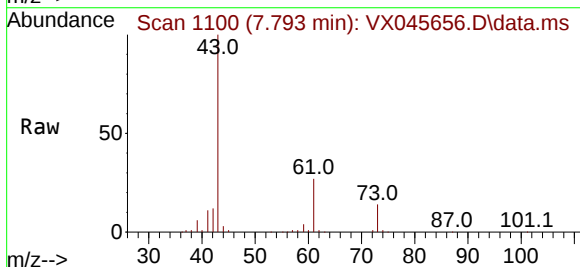
Instrument :
MSVOA_X
ClientSampleId :
TT-8

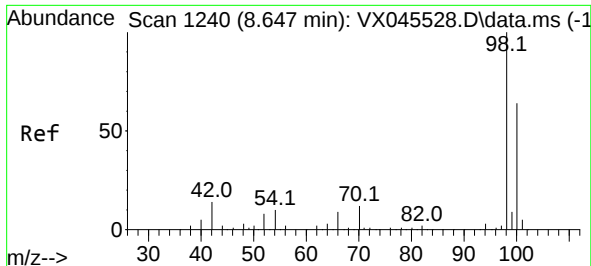
Tgt Ion: 43 Resp: 6581
Ion Ratio Lower Upper
43 100
61 16.8 14.1 21.1
87 9.3 9.2 13.8



#48
Methyl methacrylate
Concen: 23.571 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX045656.D
Acq: 08 Apr 2025 16:44

Tgt Ion: 41 Resp: 29736
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.5 53.6 80.4

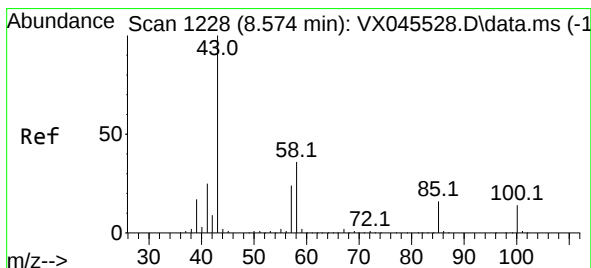
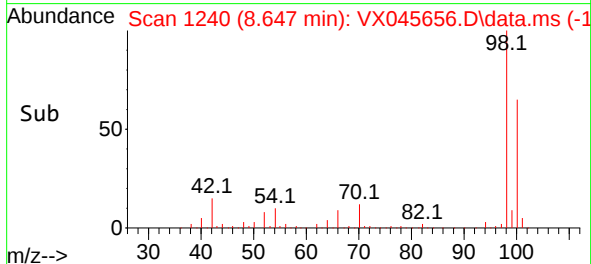
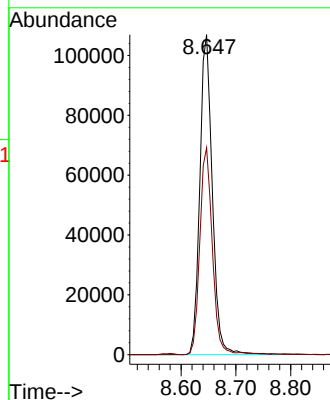
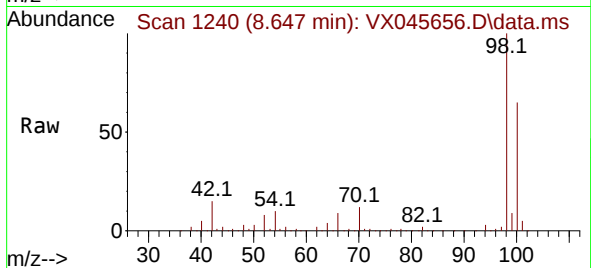




#50
Toluene-d8
Concen: 51.320 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045656.D
Acq: 08 Apr 2025 16:44

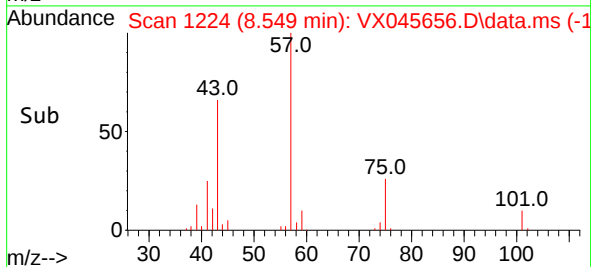
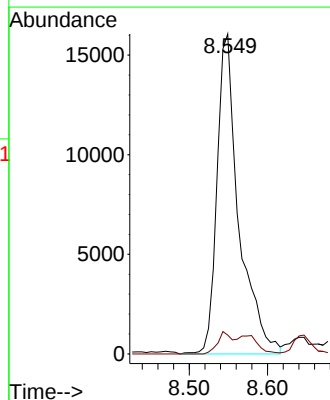
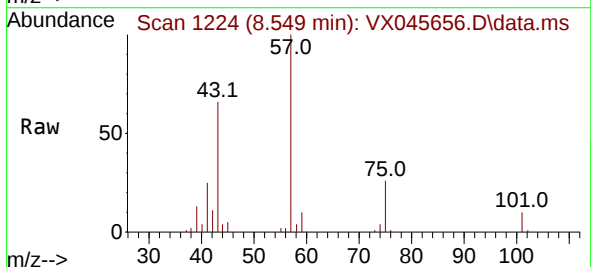
Instrument :
MSVOA_X
ClientSampleId :
TT-8

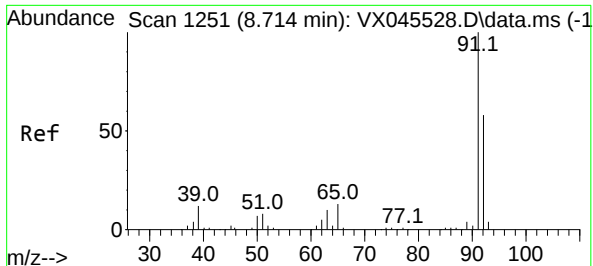
Tgt Ion: 98 Resp: 169710
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 19.204 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX045656.D
Acq: 08 Apr 2025 16:44

Tgt Ion: 43 Resp: 31105
Ion Ratio Lower Upper
43 100
58 4.4 28.5 42.7#





#52

Toluene

Concen: 0.225 ug/l

RT: 8.720 min Scan# 1251

Delta R.T. 0.006 min

Lab File: VX045656.D

Acq: 08 Apr 2025 16:44

Instrument :

MSVOA_X

ClientSampleId :

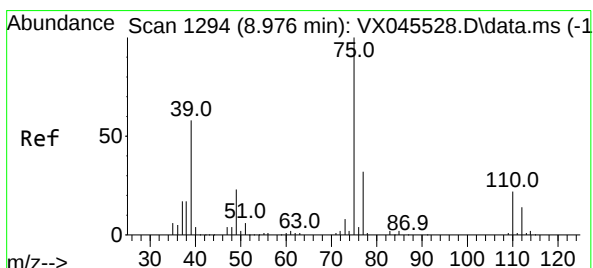
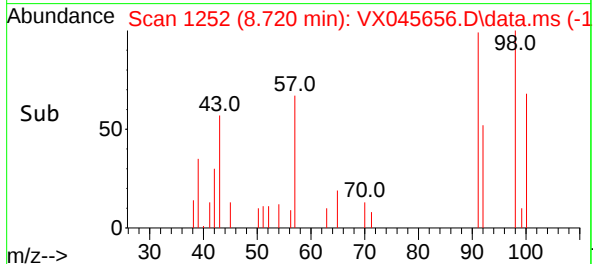
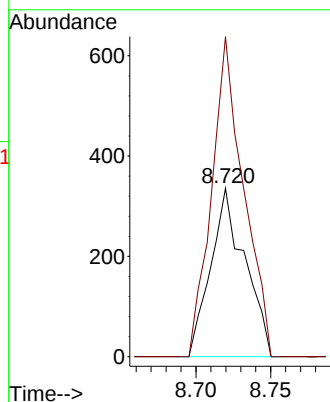
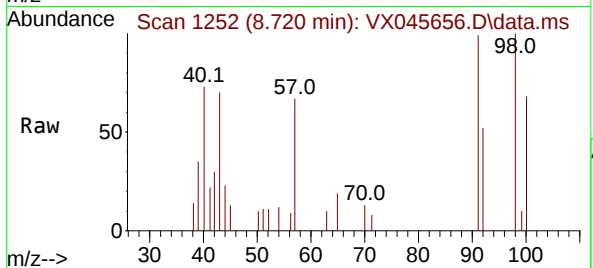
TT-8

Tgt Ion: 92 Resp: 532

Ion Ratio Lower Upper

92 100

91 178.2 138.7 208.1



#53

t-1,3-Dichloropropene

Concen: 2.379 ug/l

RT: 8.964 min Scan# 1292

Delta R.T. -0.012 min

Lab File: VX045656.D

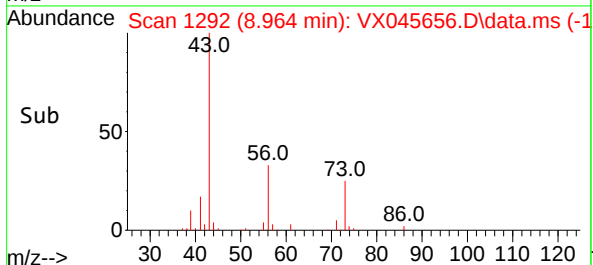
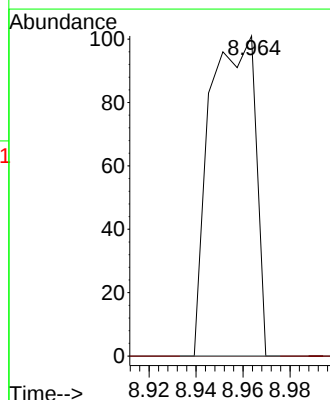
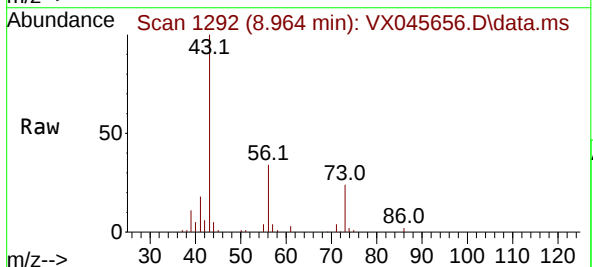
Acq: 08 Apr 2025 16:44

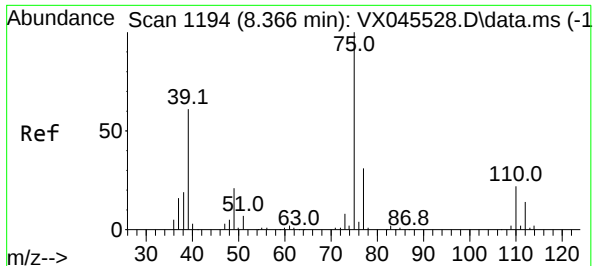
Tgt Ion: 75 Resp: 136

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

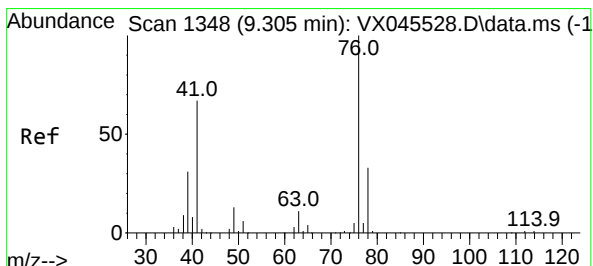
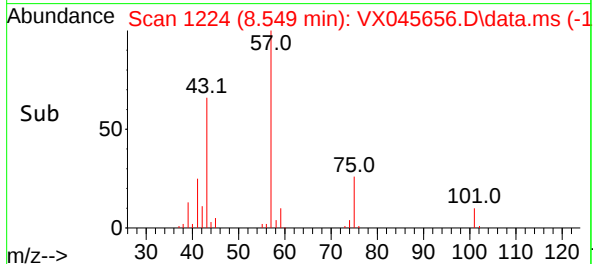
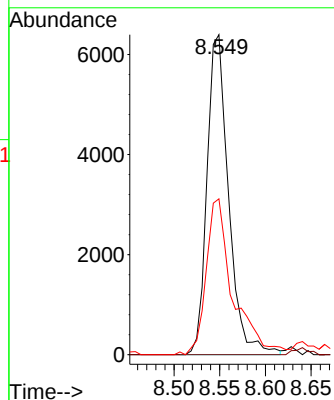
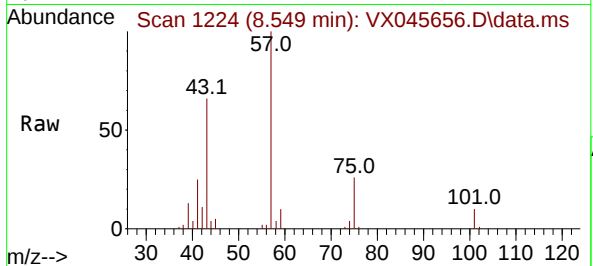




#54
cis-1,3-Dichloropropene
Concen: 7.458 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX045656.D
Acq: 08 Apr 2025 16:44

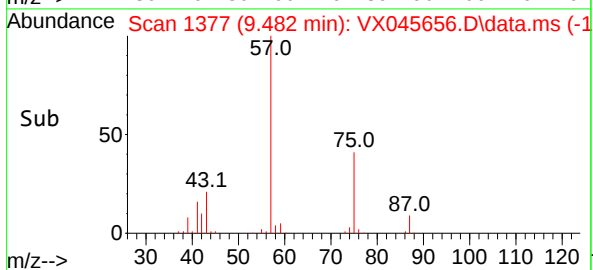
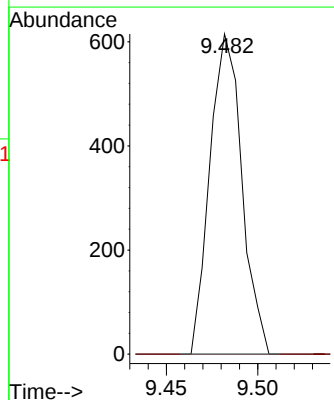
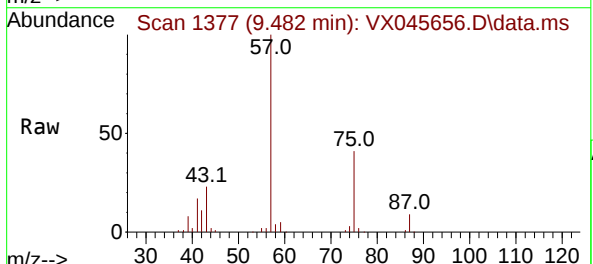
Instrument :
MSVOA_X
ClientSampleId :
TT-8

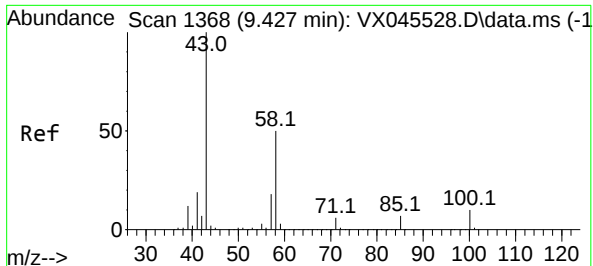
Tgt Ion: 75 Resp: 10473
Ion Ratio Lower Upper
75 100
77 0.0 24.6 36.8#
39 47.9 48.4 72.6#



#57
1,3-Dichloropropane
Concen: 0.457 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX045656.D
Acq: 08 Apr 2025 16:44

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

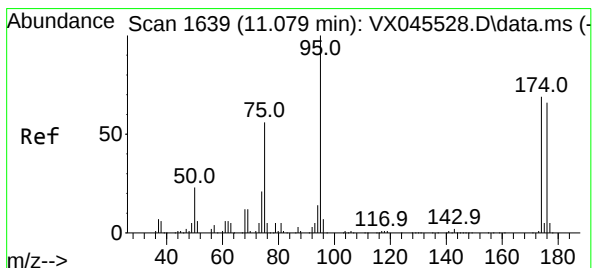
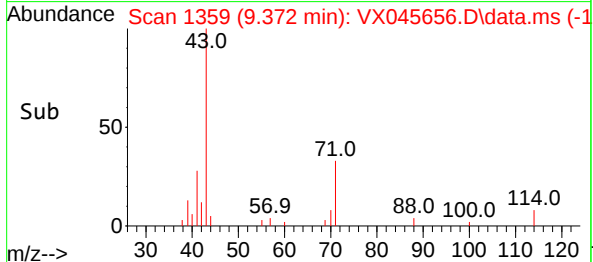
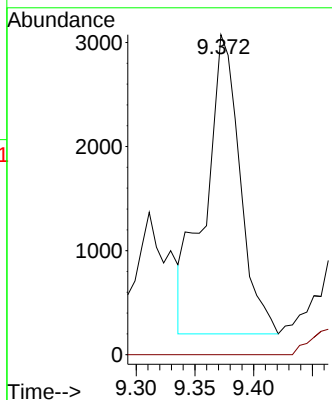
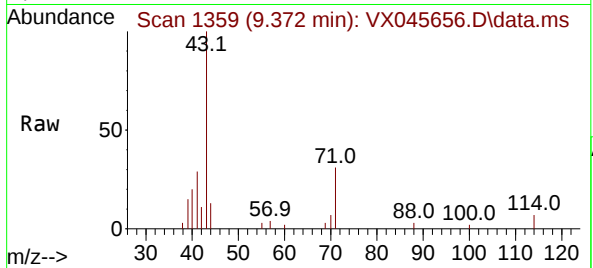




#59
2-Hexanone
Concen: 4.926 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX045656.D
Acq: 08 Apr 2025 16:44

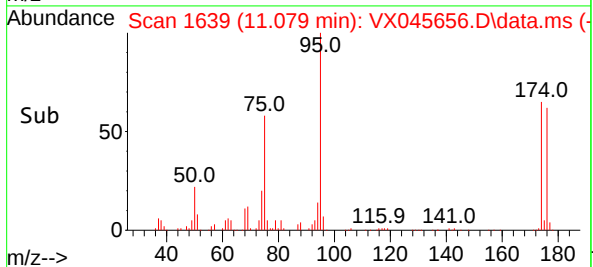
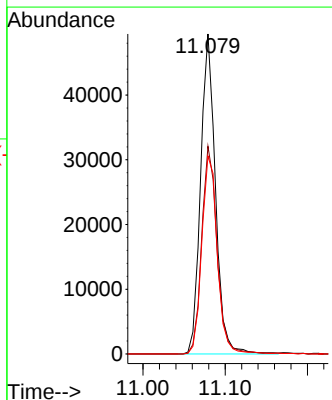
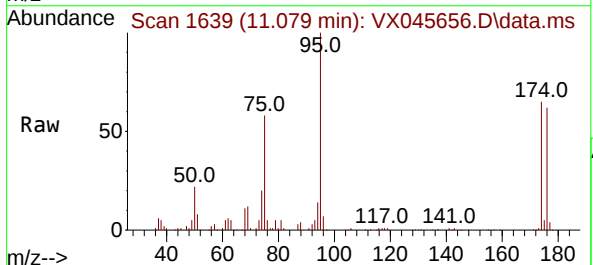
Instrument :
MSVOA_X
ClientSampleId :
TT-8

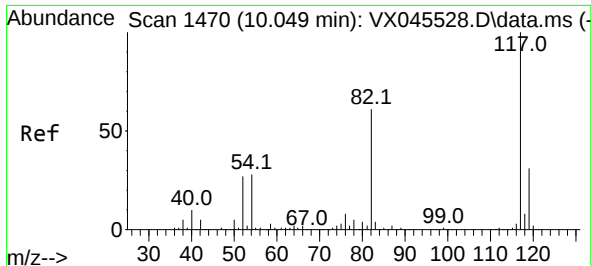
Tgt Ion: 43 Resp: 5909
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 51.478 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045656.D
Acq: 08 Apr 2025 16:44

Tgt Ion: 95 Resp: 62008
Ion Ratio Lower Upper
95 100
174 67.0 0.0 135.8
176 64.7 0.0 131.4

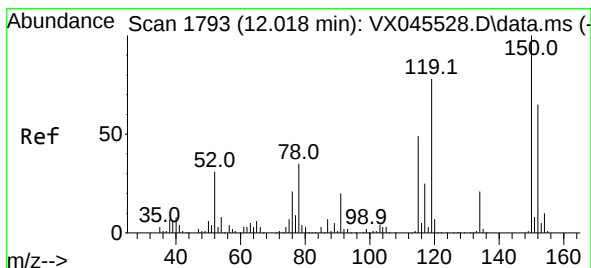
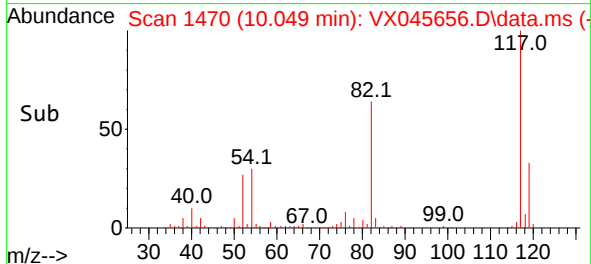
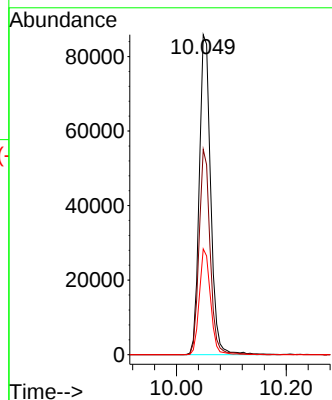
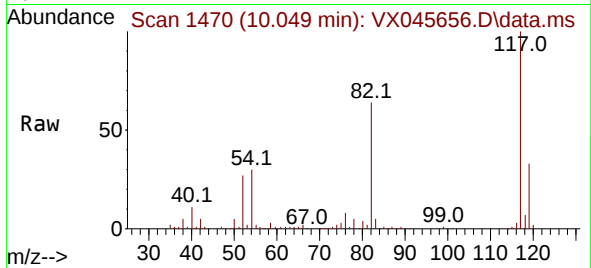




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045656.D
Acq: 08 Apr 2025 16:44

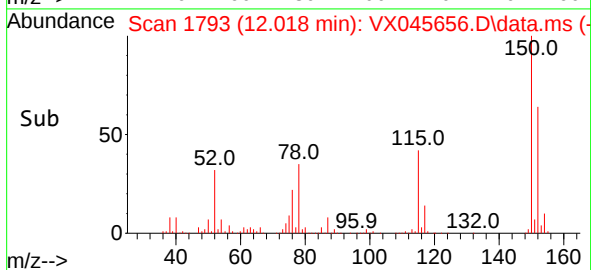
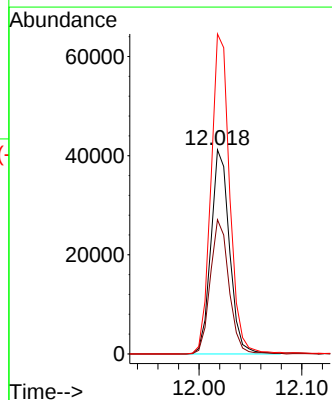
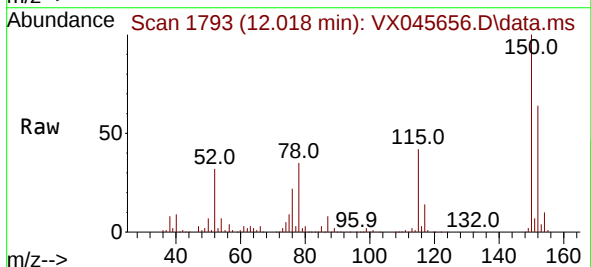
Instrument :
MSVOA_X
ClientSampleId :
TT-8

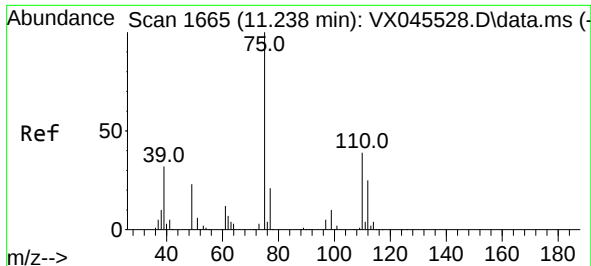
Tgt Ion:117 Resp: 124292
Ion Ratio Lower Upper
117 100
82 64.1 49.2 73.8
119 33.1 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045656.D
Acq: 08 Apr 2025 16:44

Tgt Ion:152 Resp: 51749
Ion Ratio Lower Upper
152 100
115 65.9 46.9 140.7
150 158.6 0.0 349.4

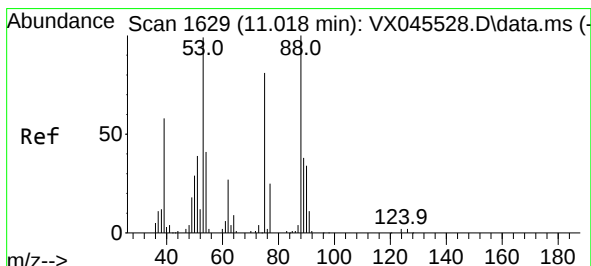
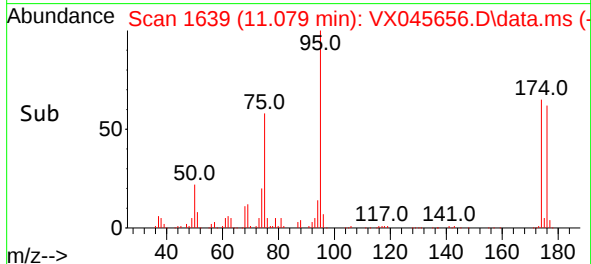
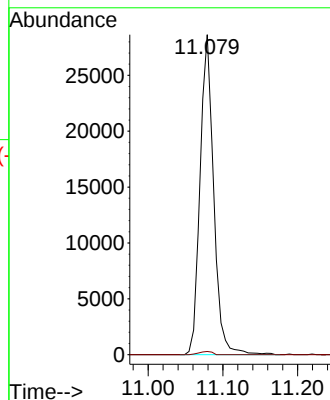
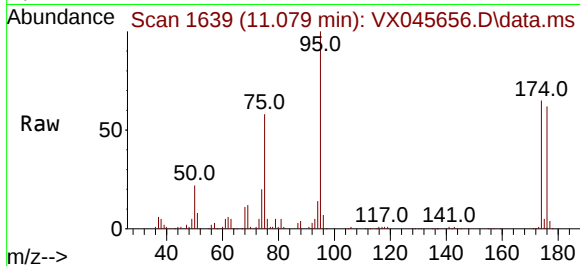




#76
1,2,3-Trichloropropane
Concen: 28.719 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045656.D
Acq: 08 Apr 2025 16:44

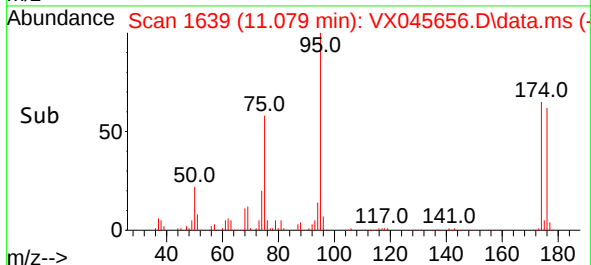
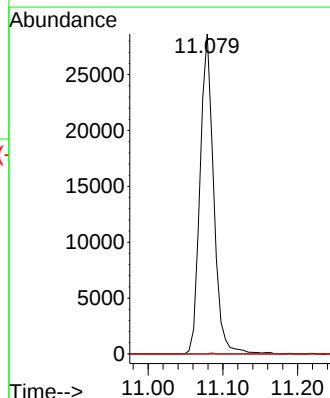
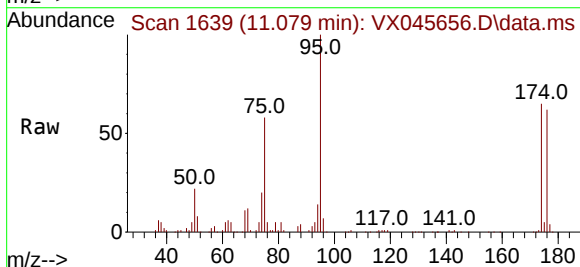
Instrument :
MSVOA_X
ClientSampleId :
TT-8

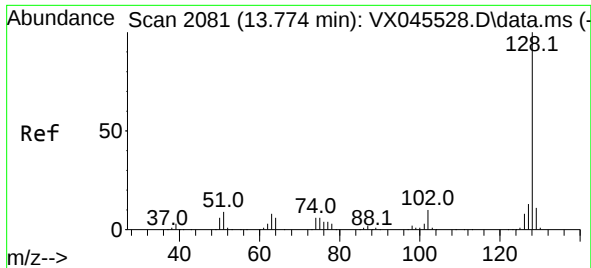
Tgt Ion: 75 Resp: 36251
Ion Ratio Lower Upper
75 100
77 1.0 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.468 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045656.D
Acq: 08 Apr 2025 16:44

Tgt Ion: 75 Resp: 36251
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.1 37.2 55.8#





#95

Naphthalene

Concen: 0.389 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX045656.D

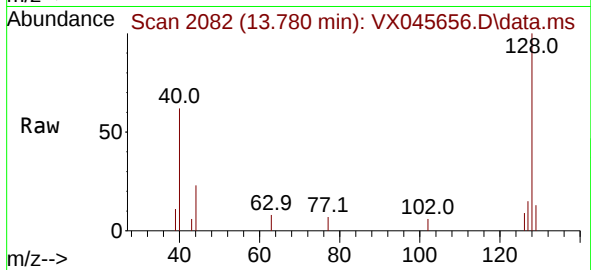
Acq: 08 Apr 2025 16:44

Instrument :

MSVOA_X

ClientSampleId :

TT-8



Tgt Ion:128 Resp: 1398

Ion Ratio Lower Upper

128 100

127 10.9 10.3 15.5

129 7.0 8.6 12.8#

