

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
 Data File : VX046851.D
 Acq On : 01 Jul 2025 11:54
 Operator : JC/MD
 Sample : Q2463-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 02 01:40:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

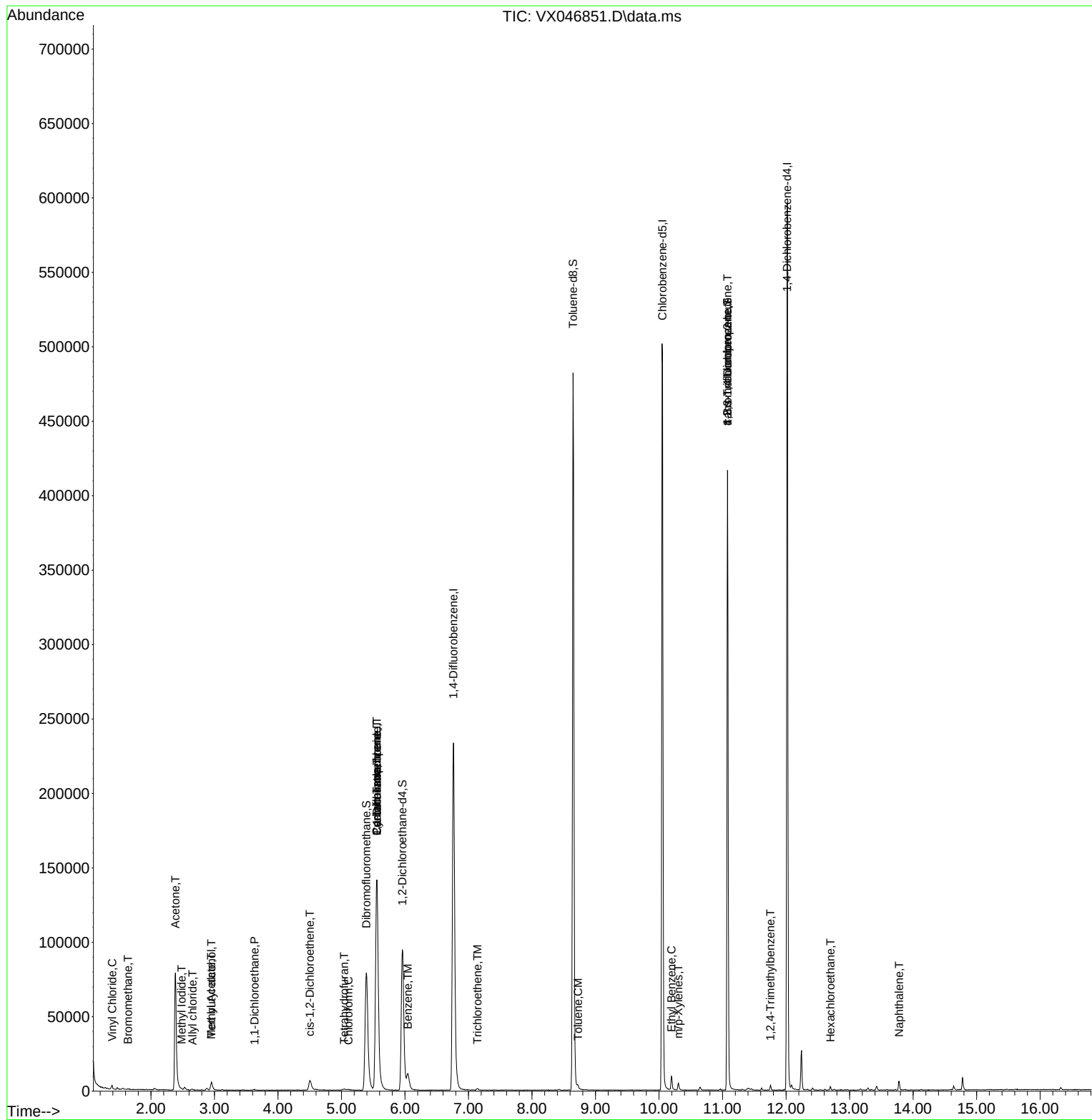
Internal Standards						
1) Pentafluorobenzene	5.556	168	149182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	256031	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	234680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	121306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	99359	48.152	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.300%		
35) Dibromofluoromethane	5.391	113	77124	45.528	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.060%		
50) Toluene-d8	8.647	98	290393	47.714	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.420%		
62) 4-Bromofluorobenzene	11.079	95	112948	49.786	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.580%		
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.392	62	1022	0.557	ug/l	95
5) Bromomethane	1.636	94	344	0.334	ug/l	88
10) Methyl Iodide	2.483	142	592	4.587	ug/l #	82
11) Tert butyl alcohol	2.953	59	6271	33.860	ug/l #	93
14) Allyl chloride	2.654	41	971	0.325	ug/l #	31
16) Acetone	2.386	43	100512	146.069	ug/l	98
18) Methyl Acetate	2.947	43	876	0.501	ug/l #	53
24) 1,1-Dichloroethane	3.629	63	772	0.237	ug/l #	81
27) cis-1,2-Dichloroethene	4.501	96	4878	2.355	ug/l	91
29) Tetrahydrofuran	5.044	42	686	1.091	ug/l #	71
30) Chloroform	5.111	83	700	0.215	ug/l #	16
31) Cyclohexane	5.556	56	2943	0.952	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	11866	4.852	ug/l #	50
38) Carbon Tetrachloride	5.556	117	15083	5.684	ug/l #	17
40) Benzene	6.044	78	12849	1.775	ug/l	94
44) Trichloroethene	7.141	130	450	0.244	ug/l	77
52) Toluene	8.726	92	1166	0.260	ug/l	91
67) Ethyl Benzene	10.195	91	6157	0.680	ug/l	94
68) m/p-Xylenes	10.305	106	1314	0.390	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	57319	25.799	ug/l #	41
81) trans-1,4-Dichloro-2-b...	11.079	75	57319	72.923	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.756	105	1744	0.236	ug/l	93
90) Hexachloroethane	12.701	117	1372	0.968	ug/l #	15
95) Naphthalene	13.780	128	4639	0.585	ug/l	96

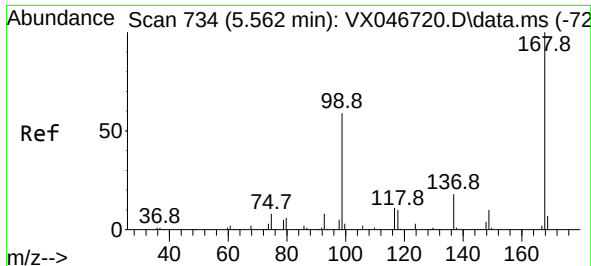
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046851.D
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Sample : Q2463-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

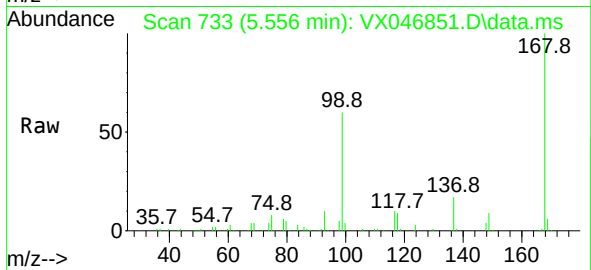
Quant Time: Jul 02 01:40:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



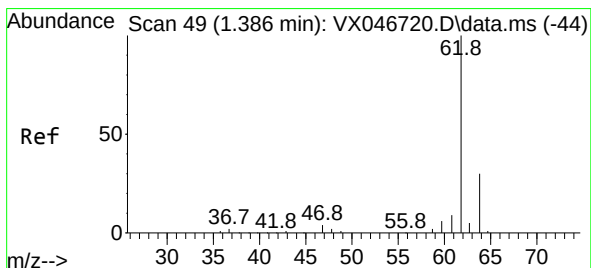
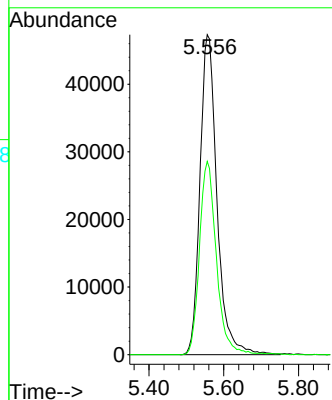
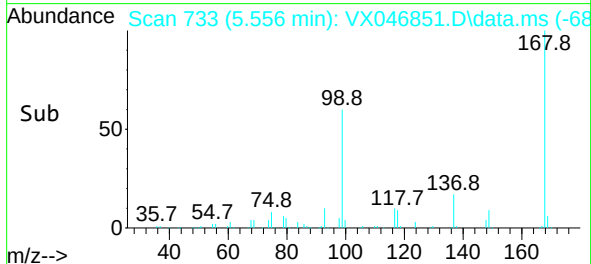


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Instrument :
MSVOA_X
ClientSampleId :

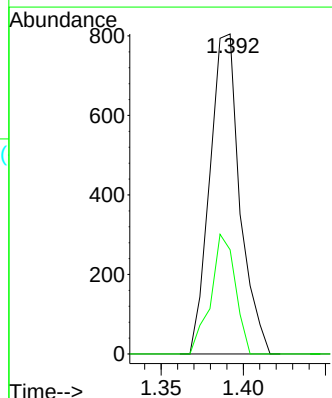
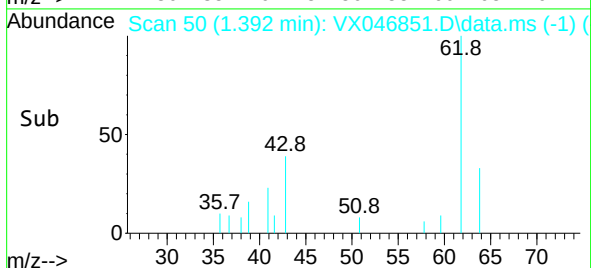
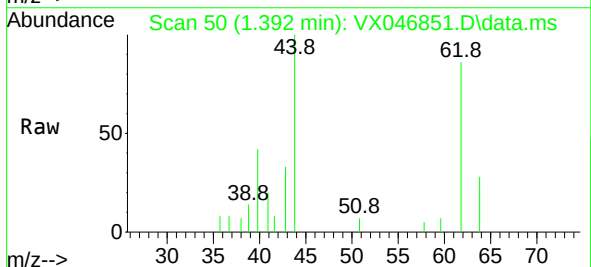


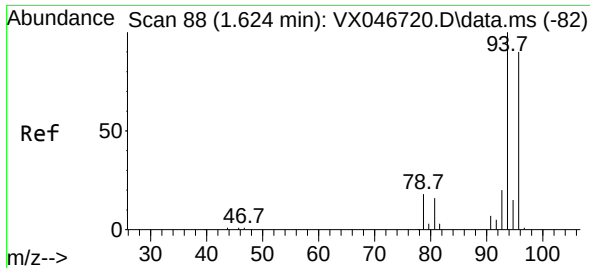
Tgt Ion:168 Resp: 149182
Ion Ratio Lower Upper
168 100
99 60.4 48.5 72.7



#4
Vinyl Chloride
Concen: 0.557 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.006 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

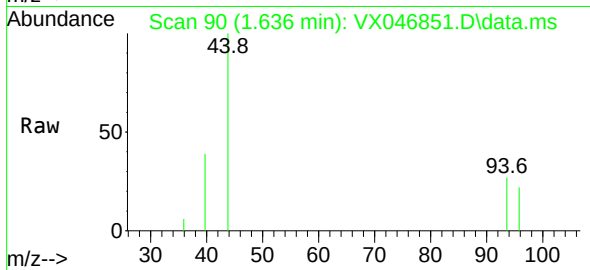
Tgt Ion: 62 Resp: 1022
Ion Ratio Lower Upper
62 100
64 32.5 23.9 35.9



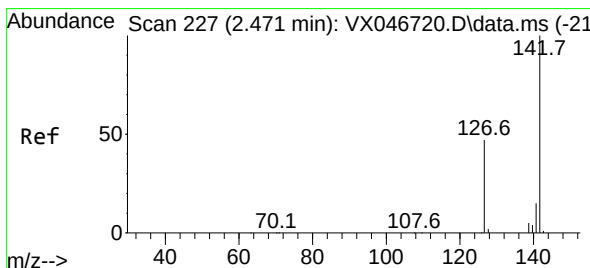
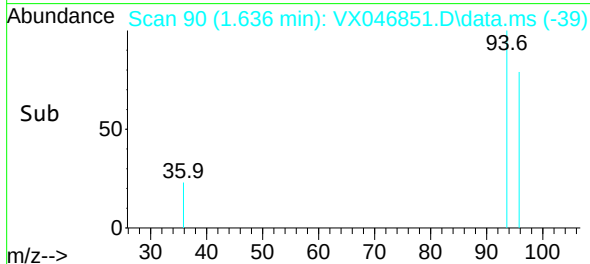
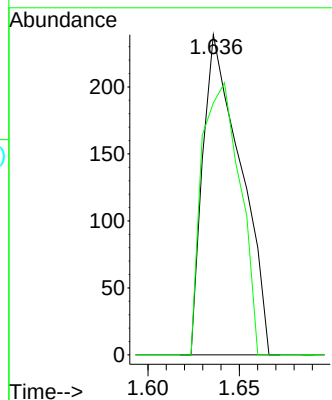


#5
Bromomethane
Concen: 0.334 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Instrument :
MSVOA_X
ClientSampleId :

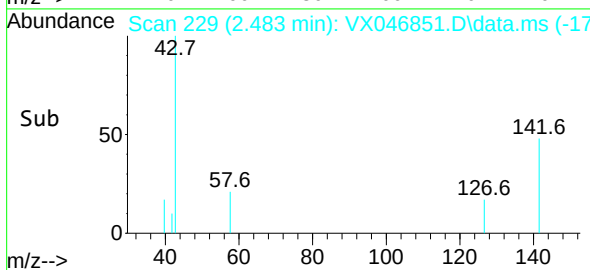
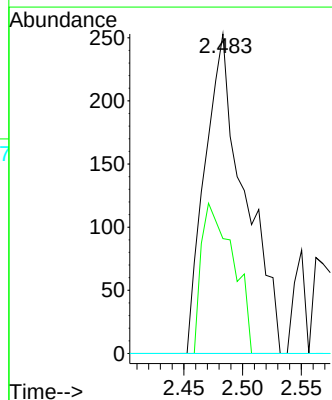
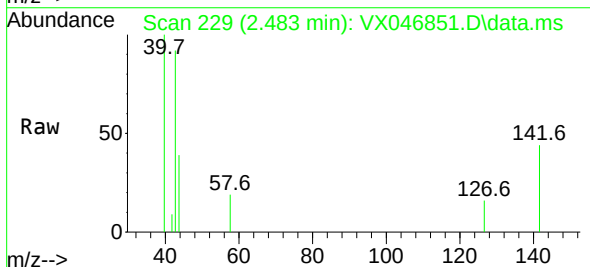


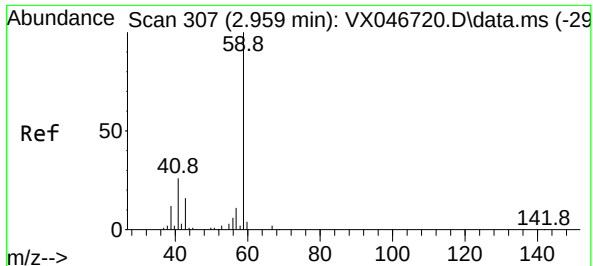
Tgt Ion: 94 Resp: 344
Ion Ratio Lower Upper
94 100
96 78.7 72.3 108.5



#10
Methyl Iodide
Concen: 4.587 ug/l
RT: 2.483 min Scan# 229
Delta R.T. 0.012 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Tgt Ion: 142 Resp: 592
Ion Ratio Lower Upper
142 100
127 37.8 37.0 55.6
141 0.0 11.5 17.3#





#11

Tert butyl alcohol

Concen: 33.860 ug/l

RT: 2.953 min Scan# 307

Delta R.T. -0.006 min

Lab File: VX046851.D

Acq: 01 Jul 2025 11:54

Instrument :

MSVOA_X

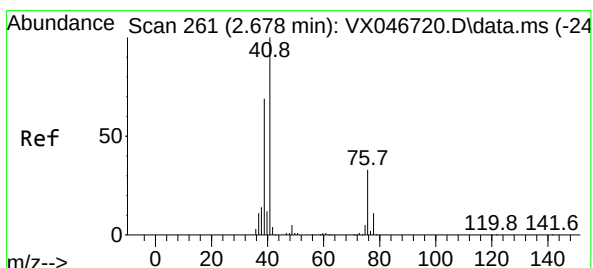
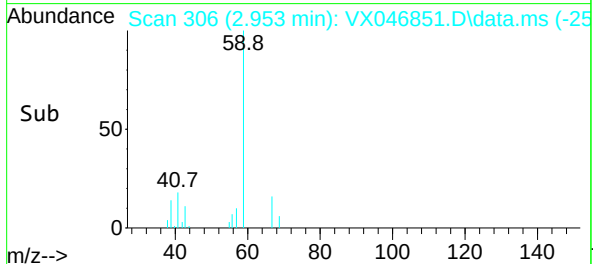
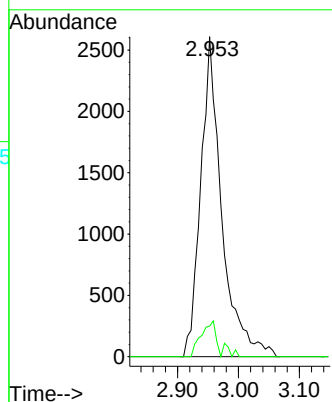
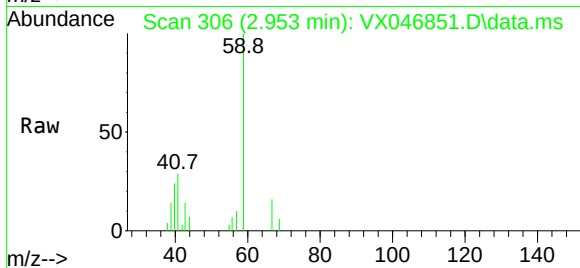
ClientSampleId :

Tgt Ion: 59 Resp: 6271

Ion Ratio Lower Upper

59 100

57 7.8 8.3 12.5#



#14

Allyl chloride

Concen: 0.325 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.025 min

Lab File: VX046851.D

Acq: 01 Jul 2025 11:54

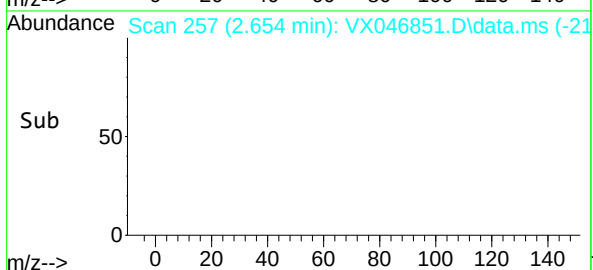
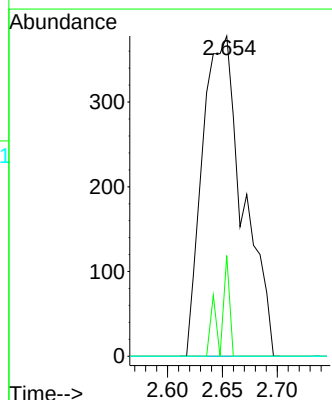
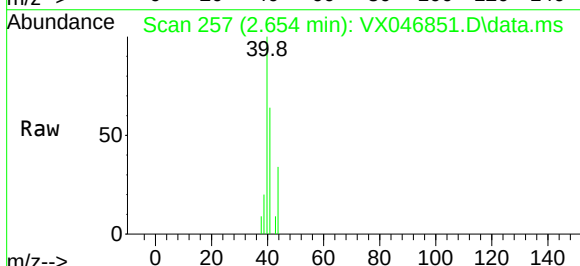
Tgt Ion: 41 Resp: 971

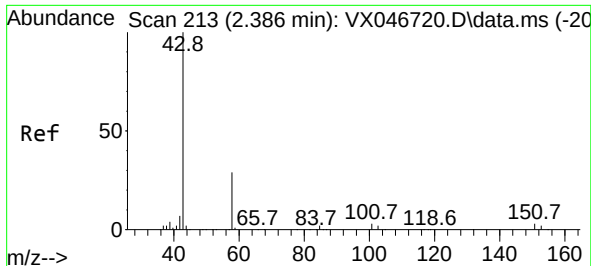
Ion Ratio Lower Upper

41 100

39 7.2 53.6 80.4#

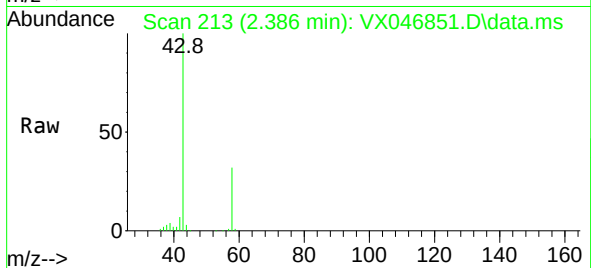
76 0.0 26.8 40.2#



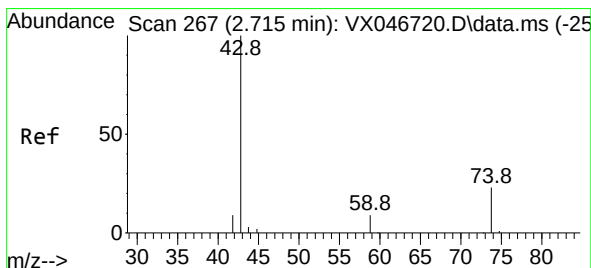
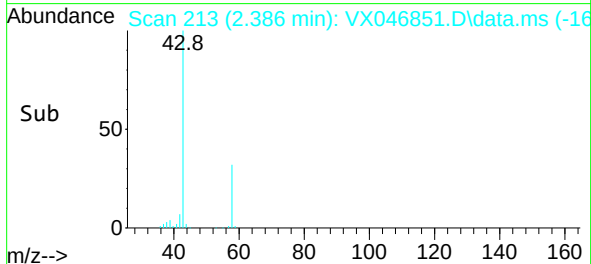
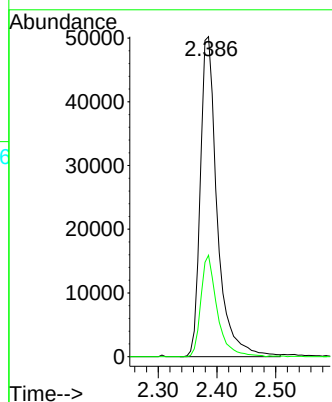


#16
Acetone
Concen: 146.069 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Instrument :
MSVOA_X
ClientSampleId :

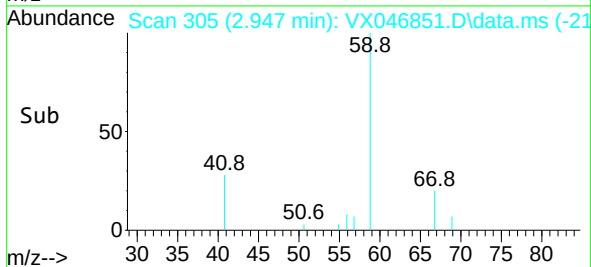
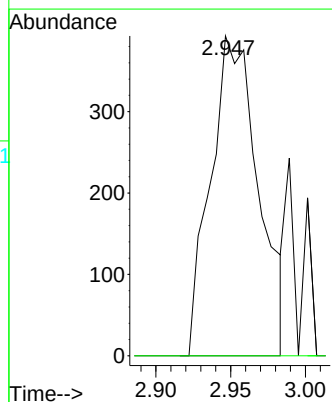
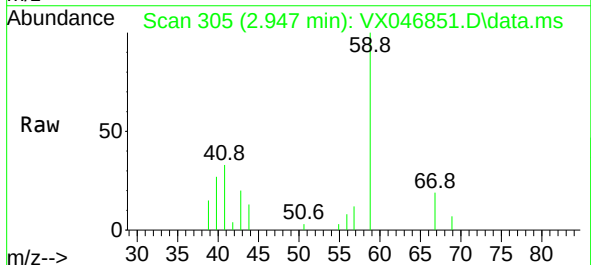


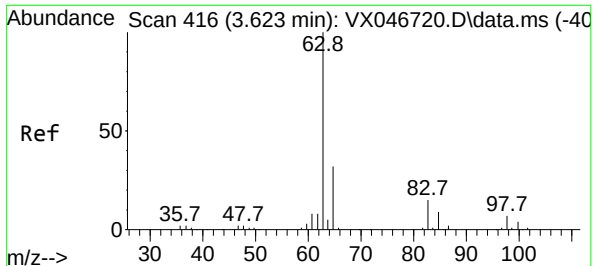
Tgt Ion: 43 Resp: 100512
Ion Ratio Lower Upper
43 100
58 31.7 24.5 36.7



#18
Methyl Acetate
Concen: 0.501 ug/l
RT: 2.947 min Scan# 305
Delta R.T. 0.231 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

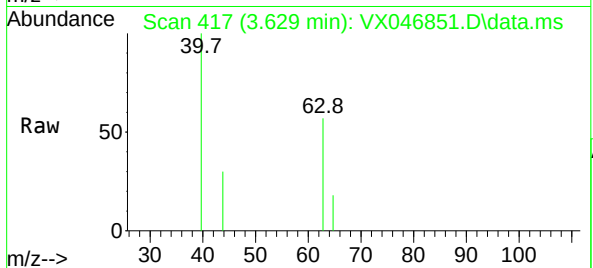
Tgt Ion: 43 Resp: 876
Ion Ratio Lower Upper
43 100
74 0.0 18.4 27.6#



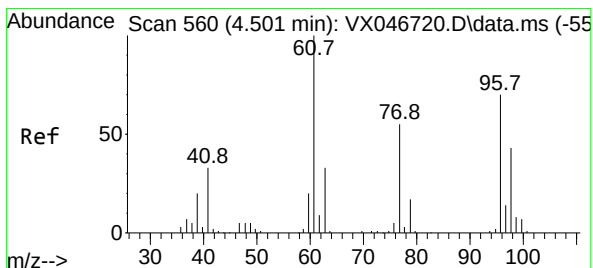
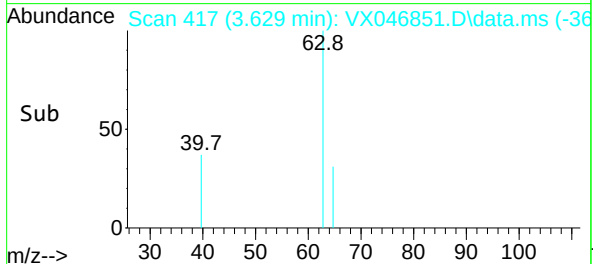
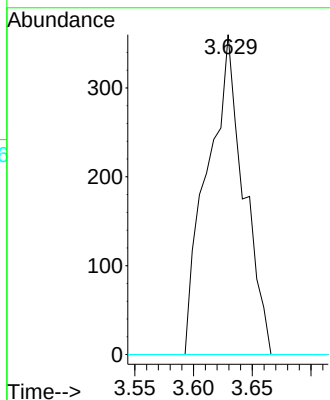


#24
 1,1-Dichloroethane
 Concen: 0.237 ug/l
 RT: 3.629 min Scan# 416
 Delta R.T. 0.006 min
 Lab File: VX046851.D
 Acq: 01 Jul 2025 11:54

Instrument :
 MSVOA_X
 ClientSampleId :

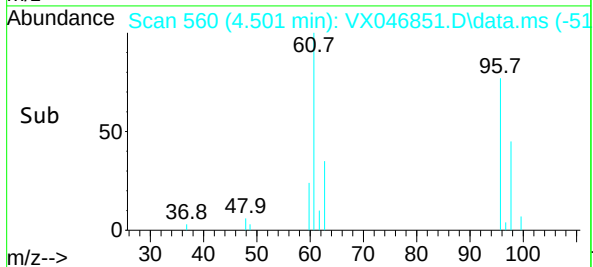
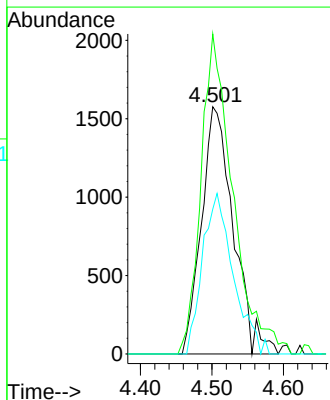
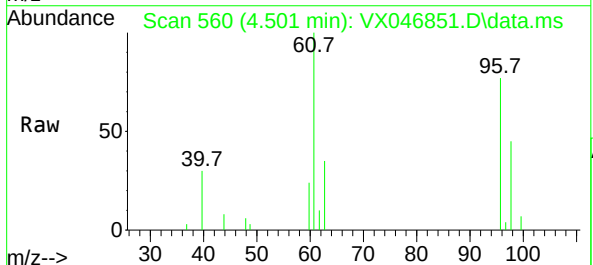


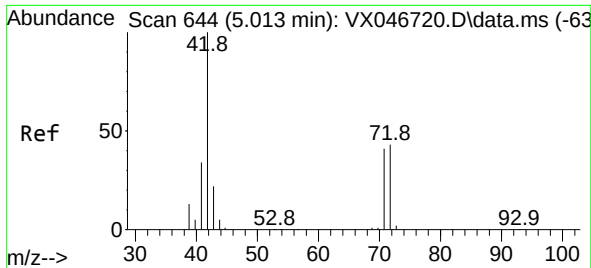
Tgt Ion: 63 Resp: 772
 Ion Ratio Lower Upper
 63 100
 98 0.0 4.0 11.9#
 100 0.0 2.2 6.6#



#27
 cis-1,2-Dichloroethene
 Concen: 2.355 ug/l
 RT: 4.501 min Scan# 560
 Delta R.T. -0.000 min
 Lab File: VX046851.D
 Acq: 01 Jul 2025 11:54

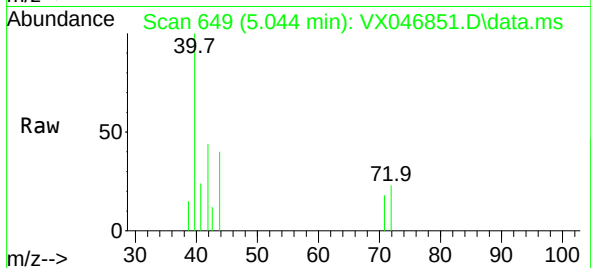
Tgt Ion: 96 Resp: 4878
 Ion Ratio Lower Upper
 96 100
 61 129.6 0.0 291.0
 98 62.5 0.0 126.8



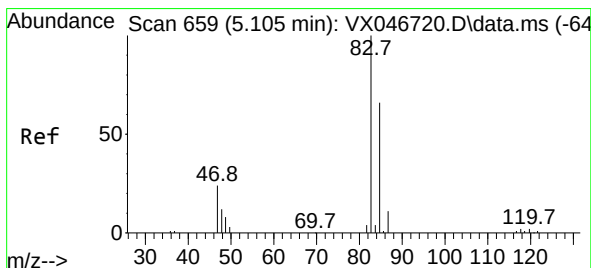
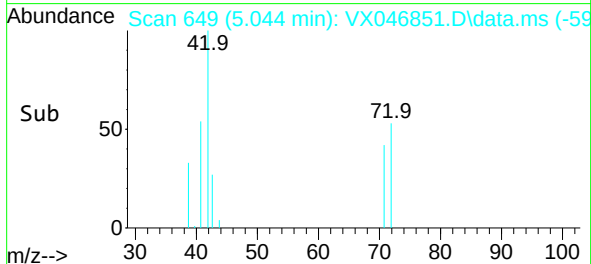
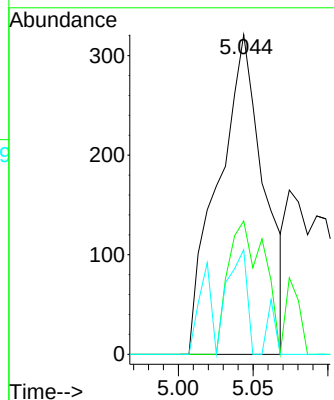


#29
Tetrahydrofuran
Concen: 1.091 ug/l
RT: 5.044 min Scan# 64
Delta R.T. 0.030 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Instrument :
MSVOA_X
ClientSampleId :

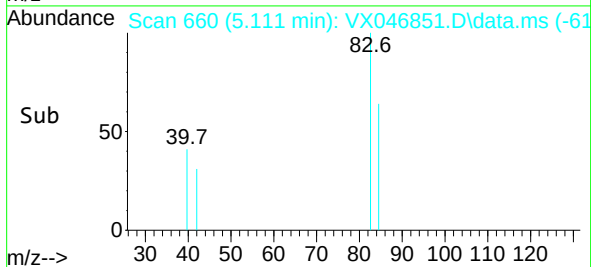
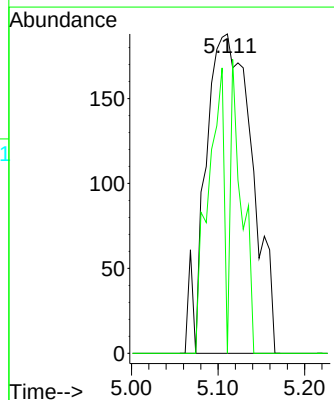
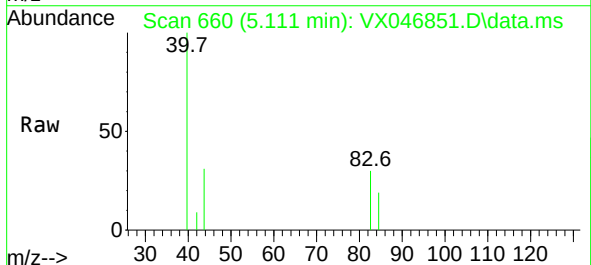


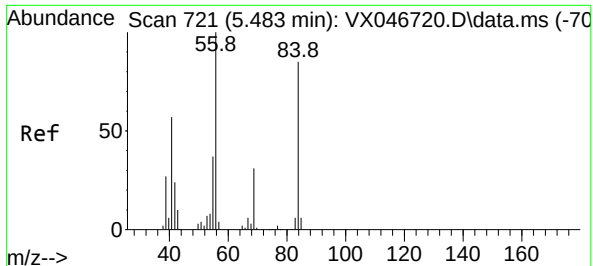
Tgt Ion: 42 Resp: 686
Ion Ratio Lower Upper
42 100
72 32.4 34.9 52.3#
71 14.0 32.2 48.2#



#30
Chloroform
Concen: 0.215 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.006 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

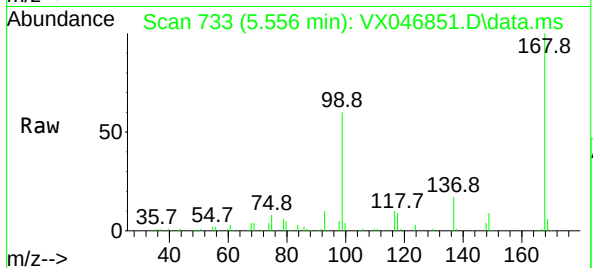
Tgt Ion: 83 Resp: 700
Ion Ratio Lower Upper
83 100
85 0.0 53.7 80.5#



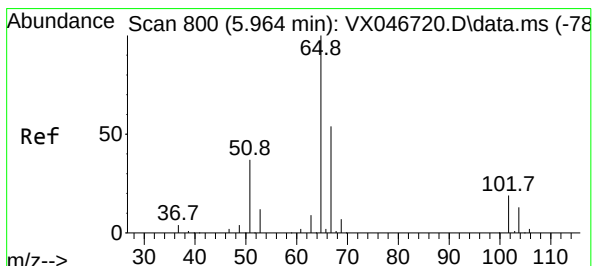
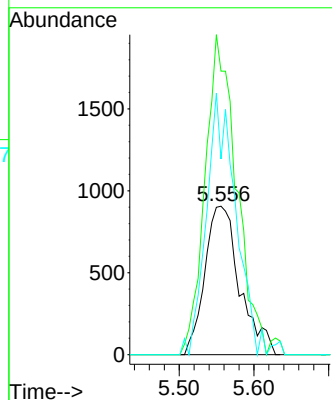
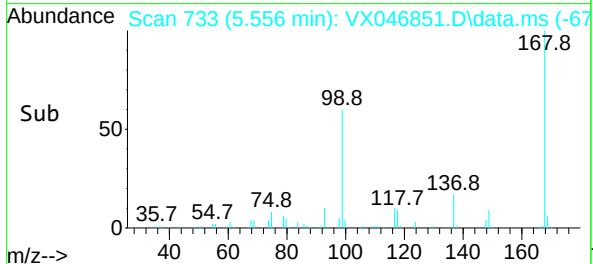


#31
Cyclohexane
Concen: 0.952 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Instrument :
MSVOA_X
ClientSampleId :

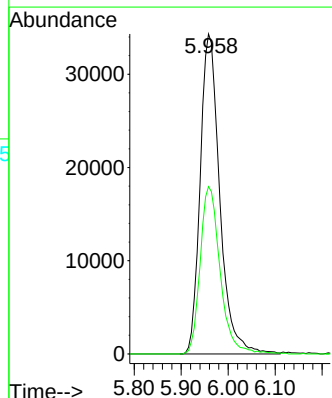
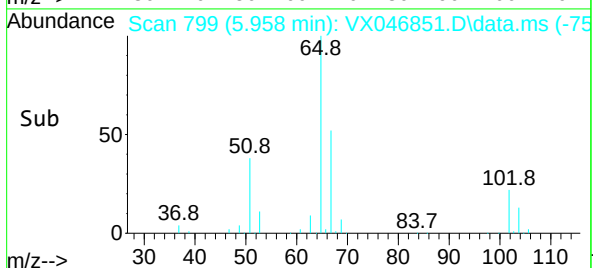
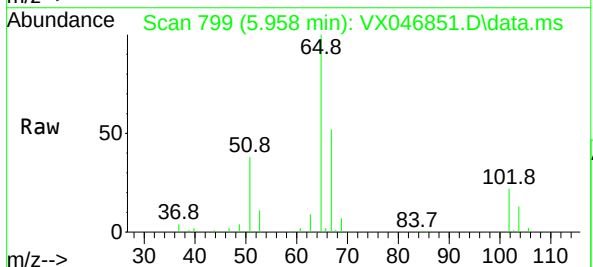


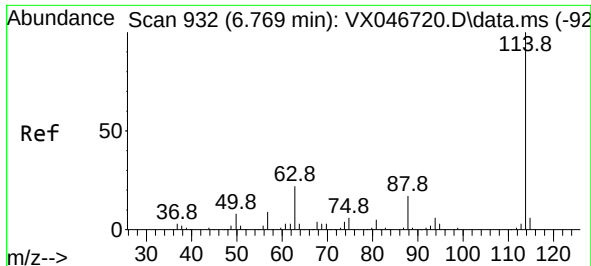
Tgt Ion: 56 Resp: 2943
Ion Ratio Lower Upper
56 100
69 190.9 24.8 37.2#
84 131.8 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 48.152 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Tgt Ion: 65 Resp: 99359
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.4

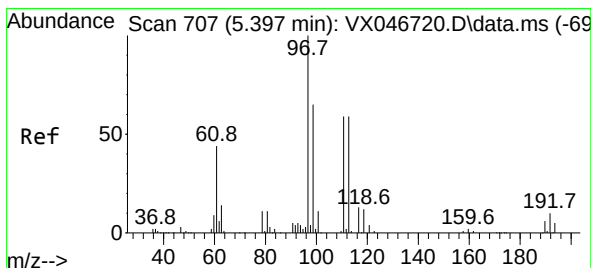
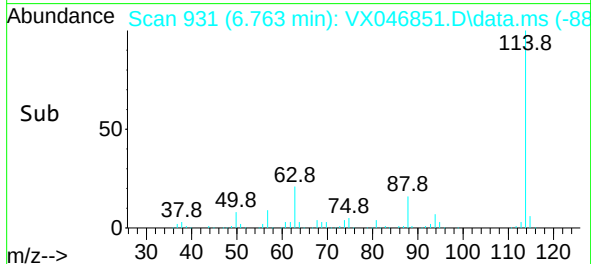
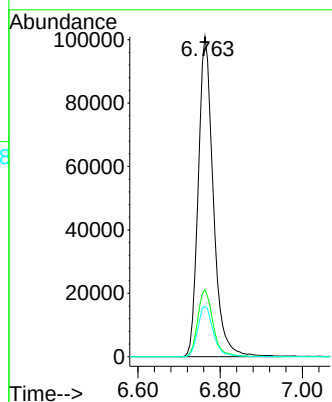
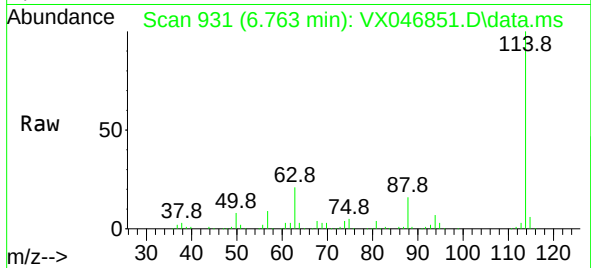




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

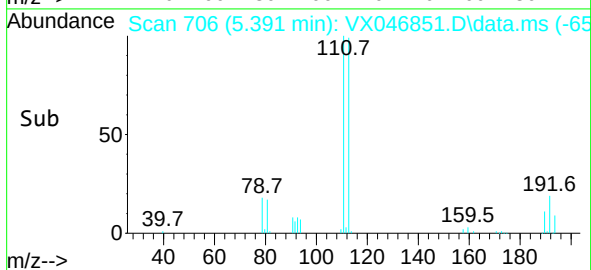
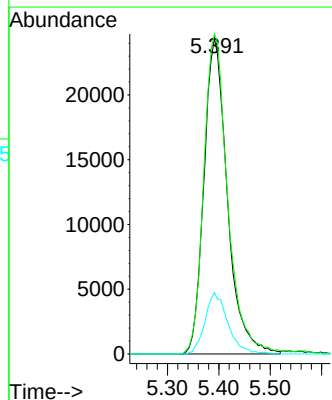
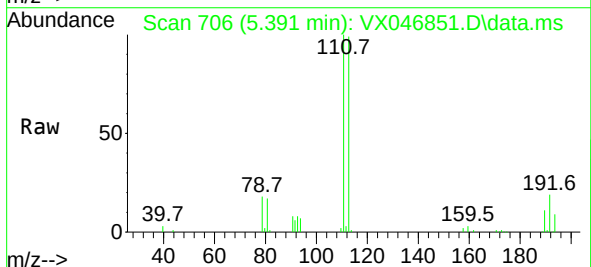
Instrument :
MSVOA_X
ClientSampleId :

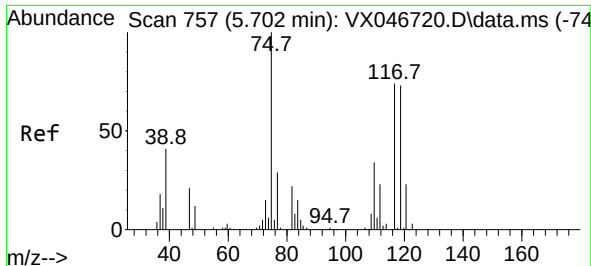
Tgt Ion:114 Resp: 256031
Ion Ratio Lower Upper
114 100
63 21.0 0.0 44.2
88 15.7 0.0 33.2



#35
Dibromofluoromethane
Concen: 45.528 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Tgt Ion:113 Resp: 77124
Ion Ratio Lower Upper
113 100
111 103.8 82.0 123.0
192 19.1 15.3 22.9

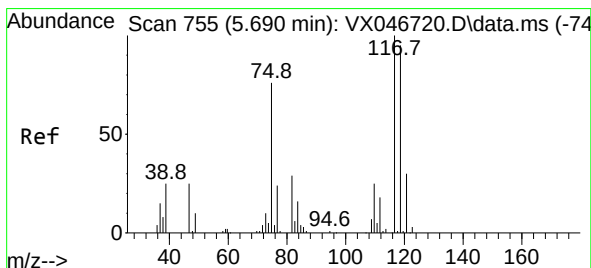
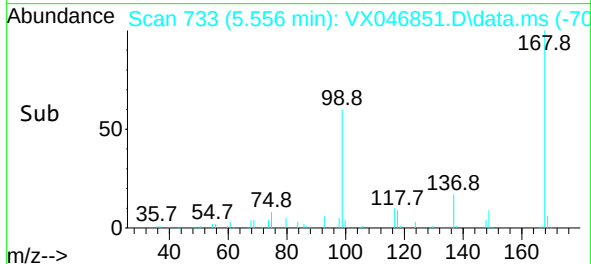
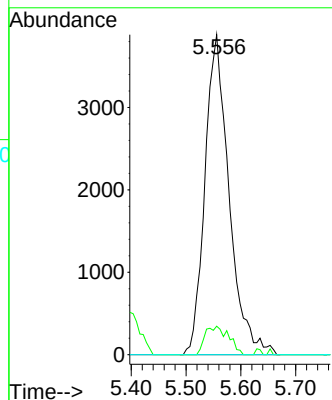
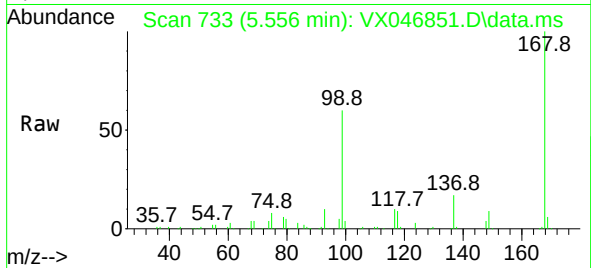




#36
1,1-Dichloropropene
Concen: 4.852 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.147 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

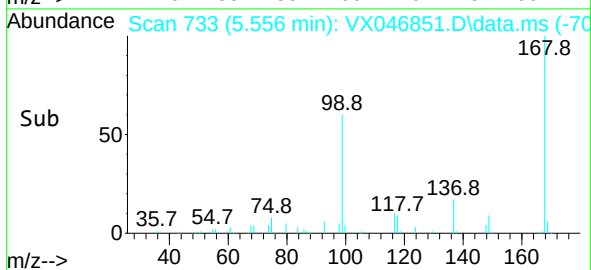
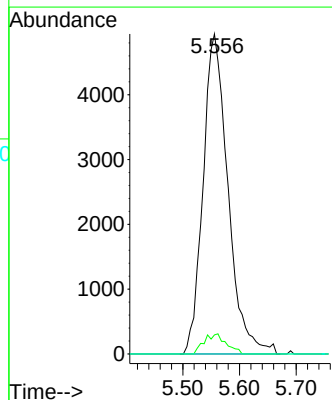
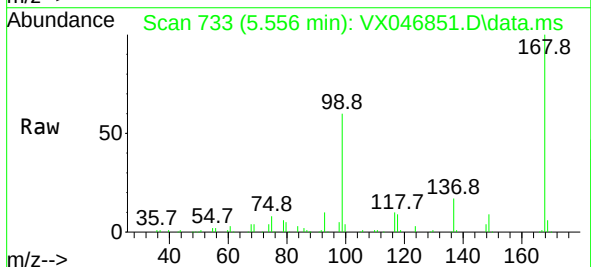
Instrument :
MSVOA_X
ClientSampleId :

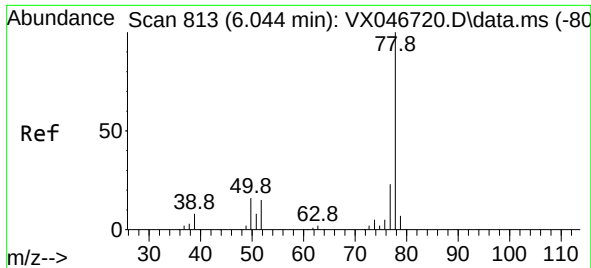
Tgt Ion: 75 Resp: 11866
Ion Ratio Lower Upper
75 100
110 8.7 17.2 51.5#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 5.684 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

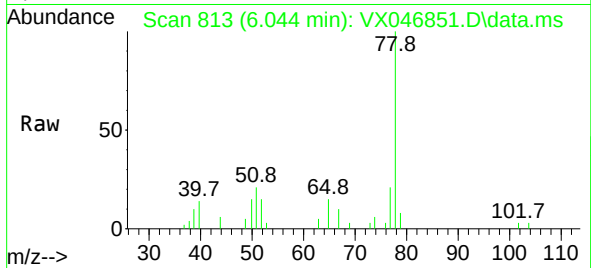
Tgt Ion: 117 Resp: 15083
Ion Ratio Lower Upper
117 100
119 6.0 75.2 112.8#
121 0.0 24.1 36.1#



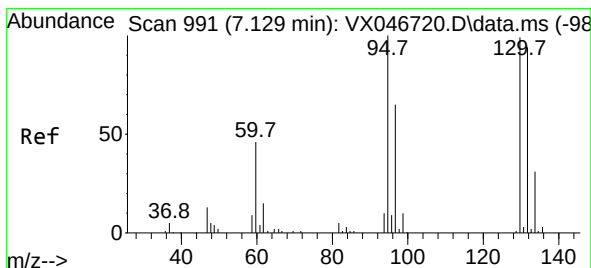
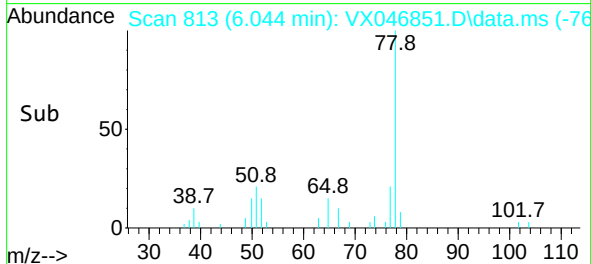
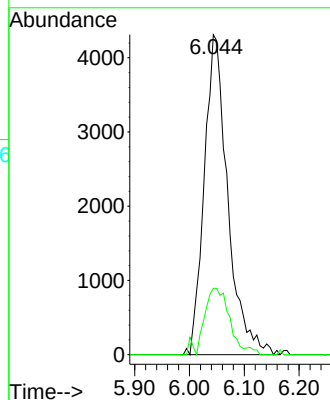


#40
Benzene
Concen: 1.775 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Instrument :
MSVOA_X
ClientSampleId :

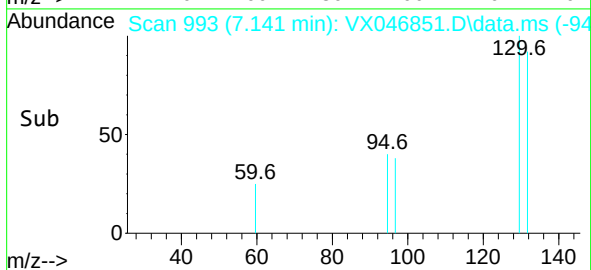
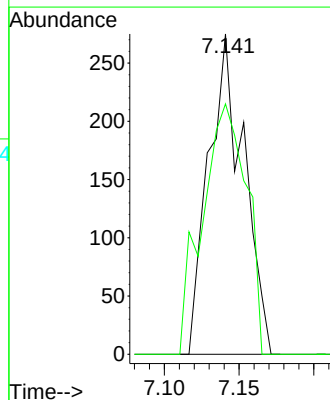
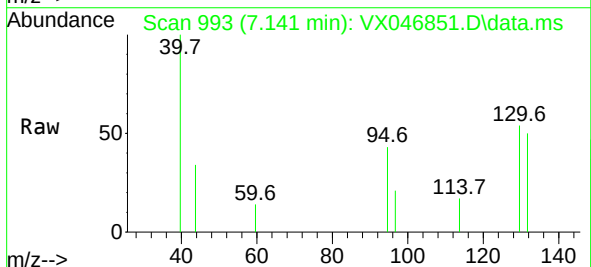


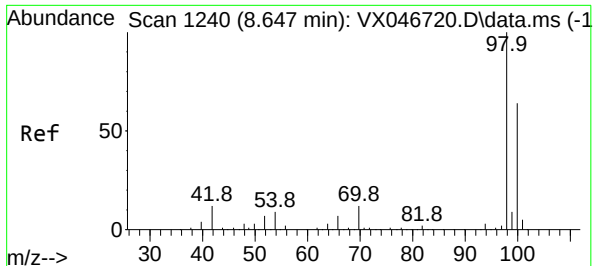
Tgt Ion: 78 Resp: 12849
Ion Ratio Lower Upper
78 100
77 20.7 18.8 28.2



#44
Trichloroethene
Concen: 0.244 ug/l
RT: 7.141 min Scan# 993
Delta R.T. 0.012 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Tgt Ion: 130 Resp: 450
Ion Ratio Lower Upper
130 100
95 78.2 0.0 202.6

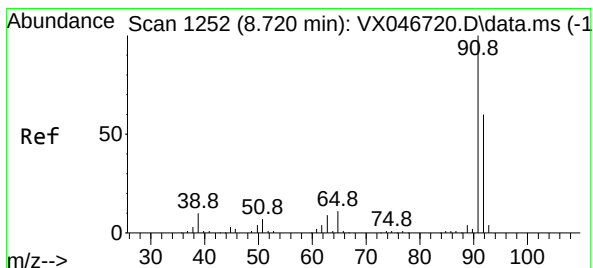
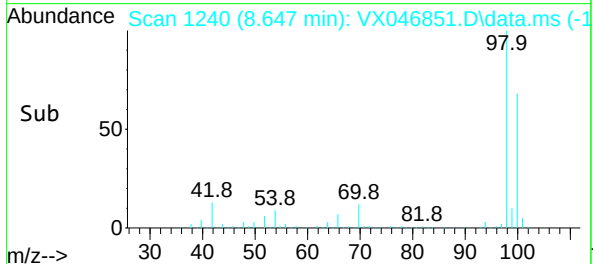
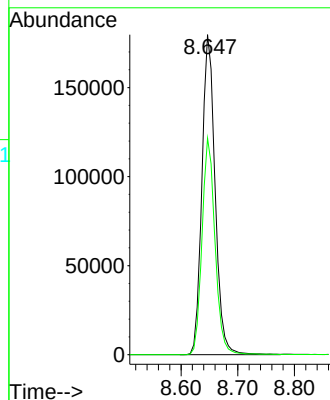
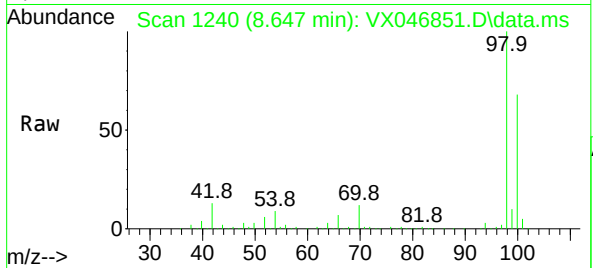




#50
Toluene-d8
Concen: 47.714 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

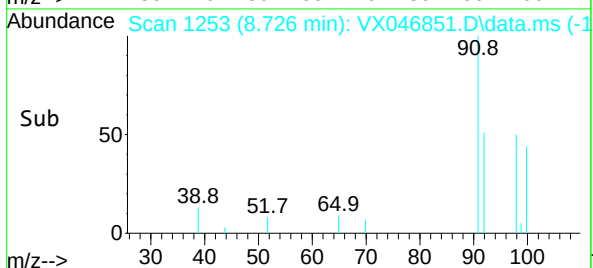
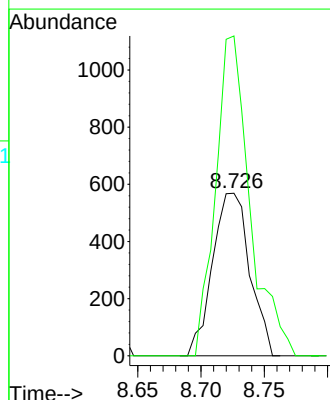
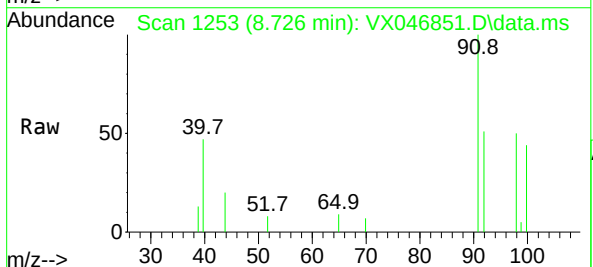
Instrument :
MSVOA_X
ClientSampleId :

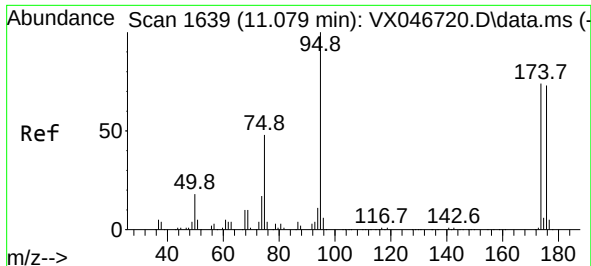
Tgt Ion: 98 Resp: 290393
Ion Ratio Lower Upper
98 100
100 66.9 53.0 79.4



#52
Toluene
Concen: 0.260 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Tgt Ion: 92 Resp: 1166
Ion Ratio Lower Upper
92 100
91 181.3 134.8 202.2

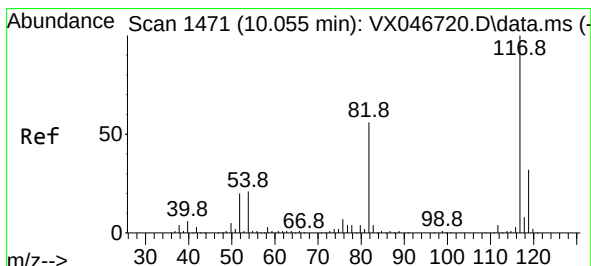
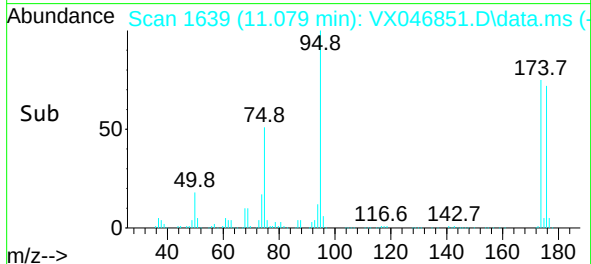
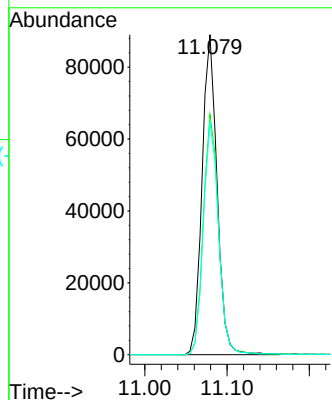
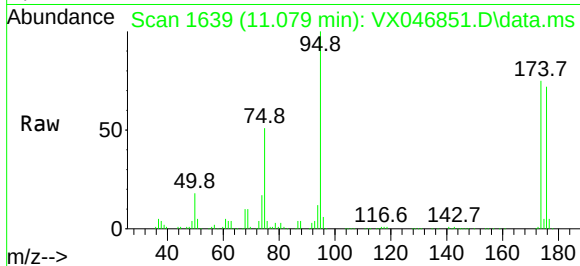




#62
4-Bromofluorobenzene
Concen: 49.786 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

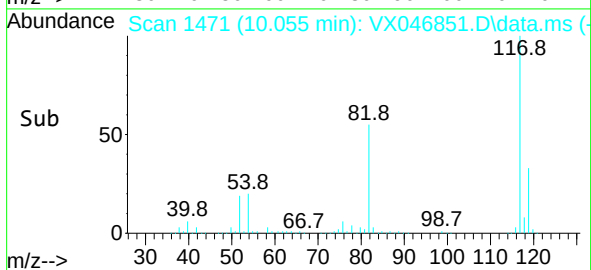
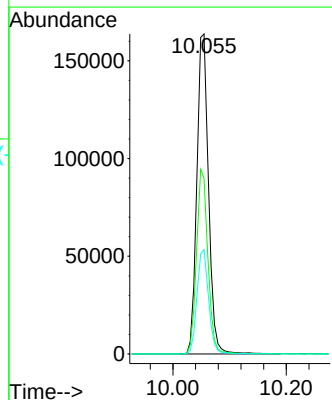
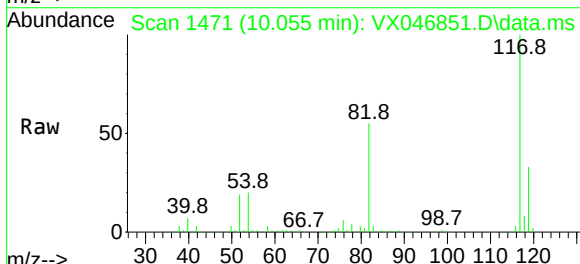
Instrument :
MSVOA_X
ClientSampleId :

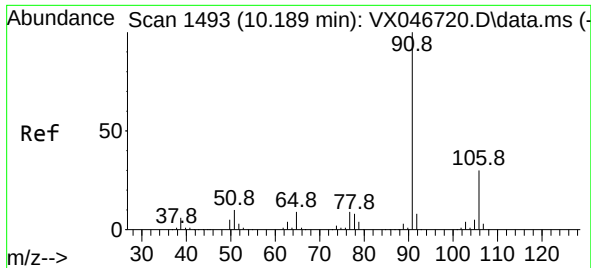
Tgt Ion: 95 Resp: 112948
Ion Ratio Lower Upper
95 100
174 76.5 0.0 150.4
176 73.8 0.0 145.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Tgt Ion: 117 Resp: 234680
Ion Ratio Lower Upper
117 100
82 54.9 44.6 66.8
119 32.6 25.8 38.8





#67

Ethyl Benzene

Concen: 0.680 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX046851.D

Acq: 01 Jul 2025 11:54

Instrument :

MSVOA_X

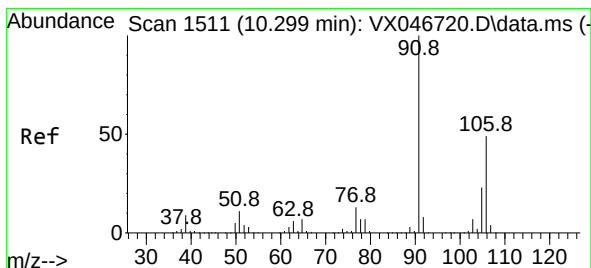
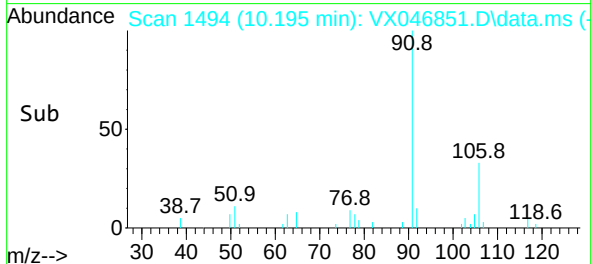
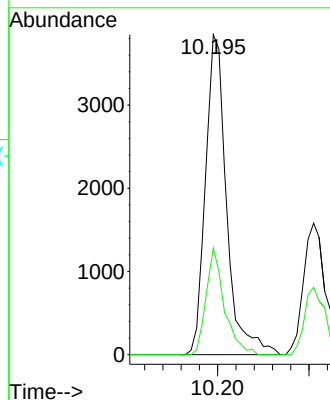
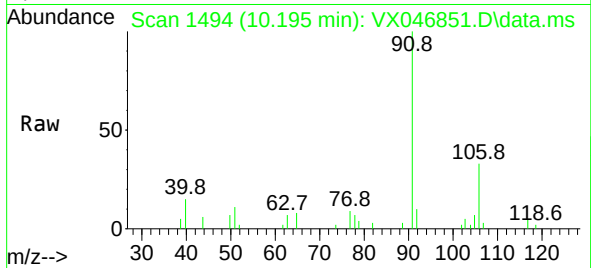
ClientSampleId :

Tgt Ion: 91 Resp: 6157

Ion Ratio Lower Upper

91 100

106 33.3 24.2 36.2



#68

m/p-Xylenes

Concen: 0.390 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX046851.D

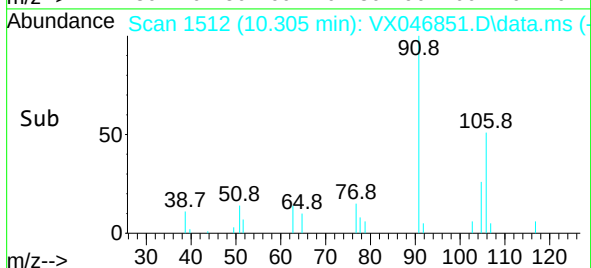
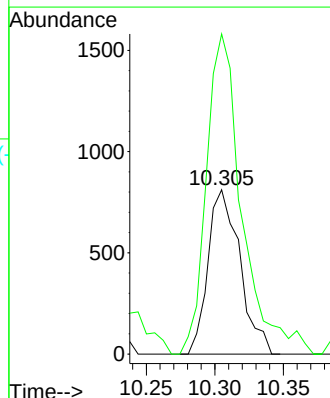
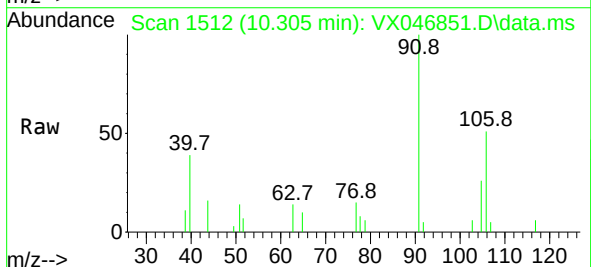
Acq: 01 Jul 2025 11:54

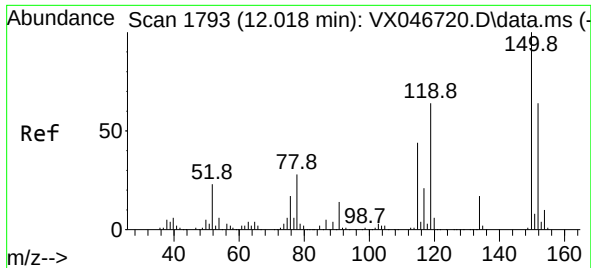
Tgt Ion: 106 Resp: 1314

Ion Ratio Lower Upper

106 100

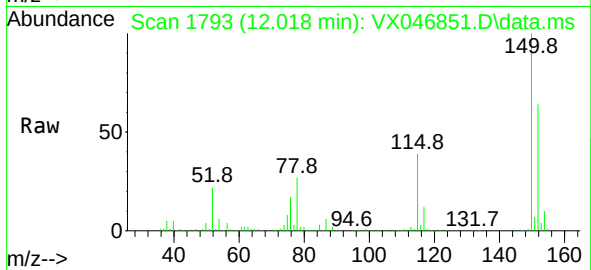
91 216.7 164.8 247.2



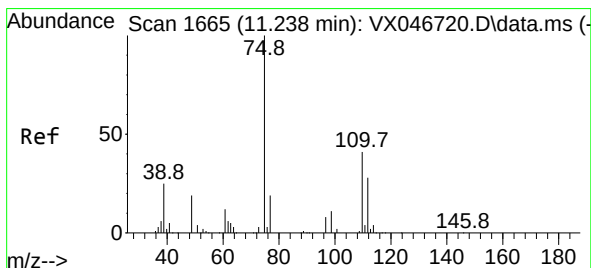
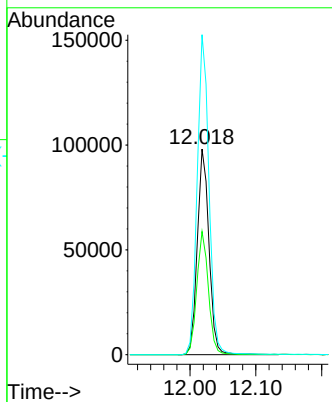
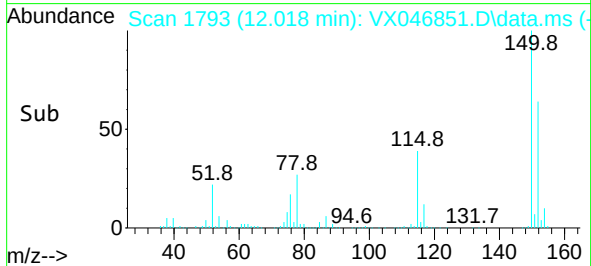


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Instrument :
MSVOA_X
ClientSampleId :

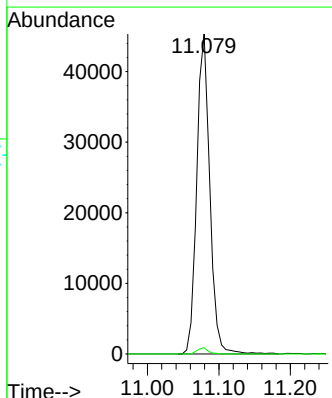
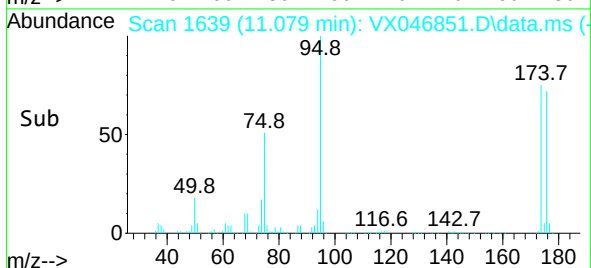
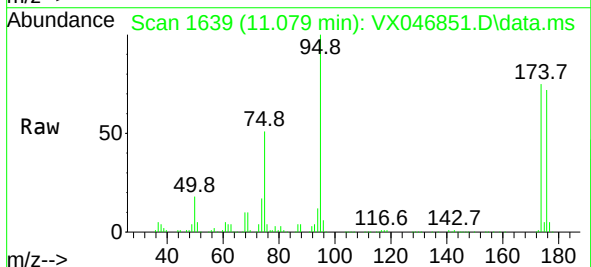


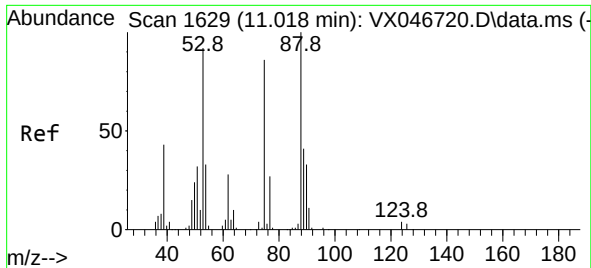
Tgt Ion:152 Resp: 121306
Ion Ratio Lower Upper
152 100
115 59.4 43.2 129.6
150 156.4 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 25.799 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Tgt Ion: 75 Resp: 57319
Ion Ratio Lower Upper
75 100
77 1.6 18.5 55.5#

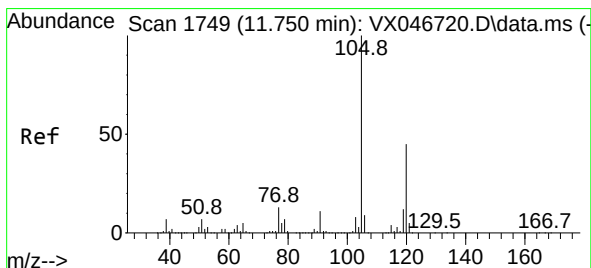
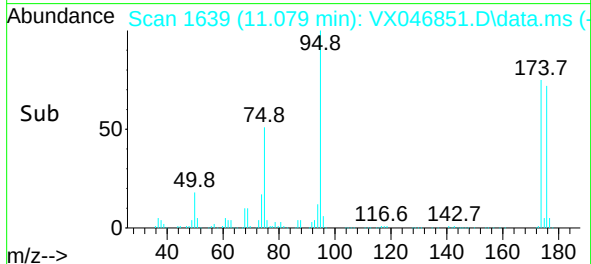
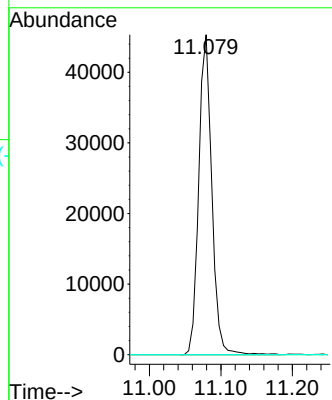
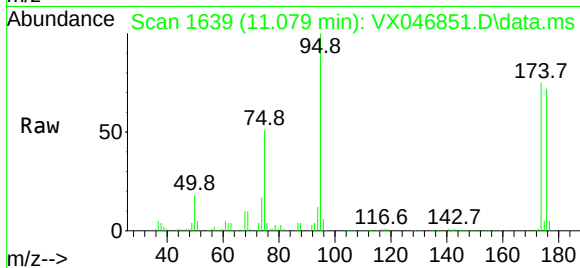




#81
trans-1,4-Dichloro-2-butene
Concen: 72.923 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

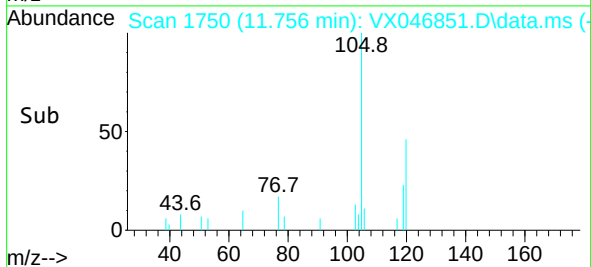
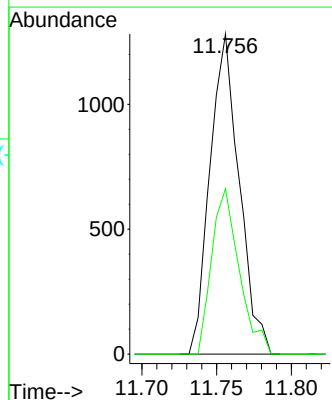
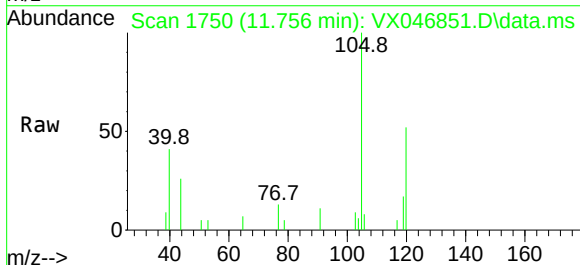
Instrument :
MSVOA_X
ClientSampleId :

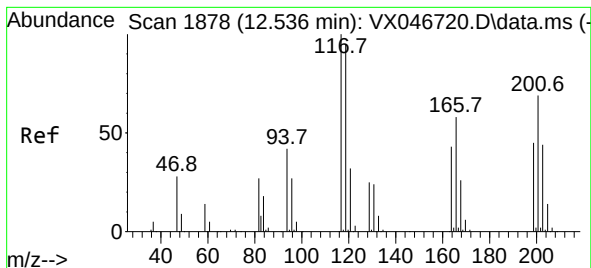
Tgt Ion: 75 Resp: 57319
Ion Ratio Lower Upper
75 100
53 0.0 86.8 130.2#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.236 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Tgt Ion: 105 Resp: 1744
Ion Ratio Lower Upper
105 100
120 48.5 22.1 66.3





#90

Hexachloroethane

Concen: 0.968 ug/l

RT: 12.701 min Scan# 1905

Delta R.T. 0.164 min

Lab File: VX046851.D

Acq: 01 Jul 2025 11:54

Instrument :

MSVOA_X

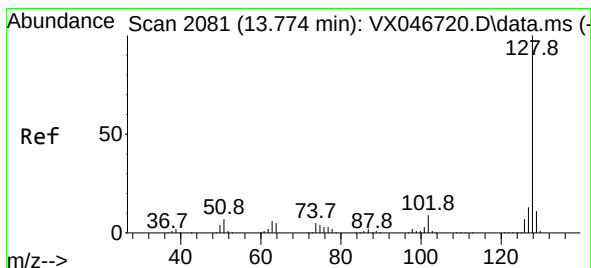
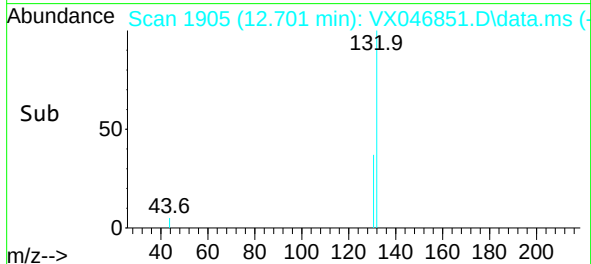
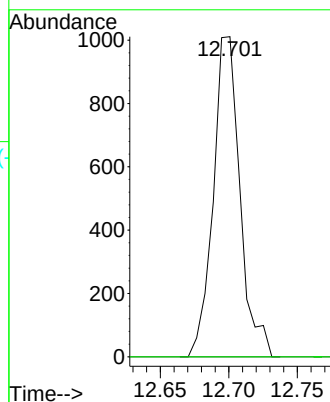
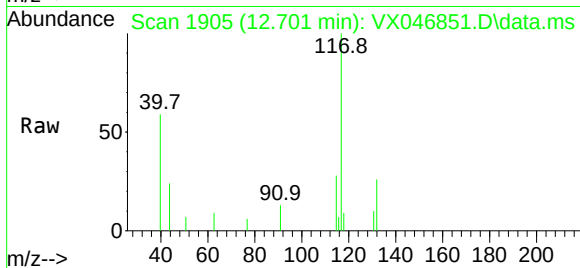
ClientSampleId :

Tgt Ion:117 Resp: 1372

Ion Ratio Lower Upper

117 100

201 0.0 34.4 103.3#



#95

Naphthalene

Concen: 0.585 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX046851.D

Acq: 01 Jul 2025 11:54

Tgt Ion:128 Resp: 4639

Ion Ratio Lower Upper

128 100

127 11.1 10.1 15.1

129 9.4 8.7 13.1

