

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
 Data File : VX046855.D
 Acq On : 01 Jul 2025 13:18
 Operator : JC/MD
 Sample : Q2455-03 500X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 02 01:40:51 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)

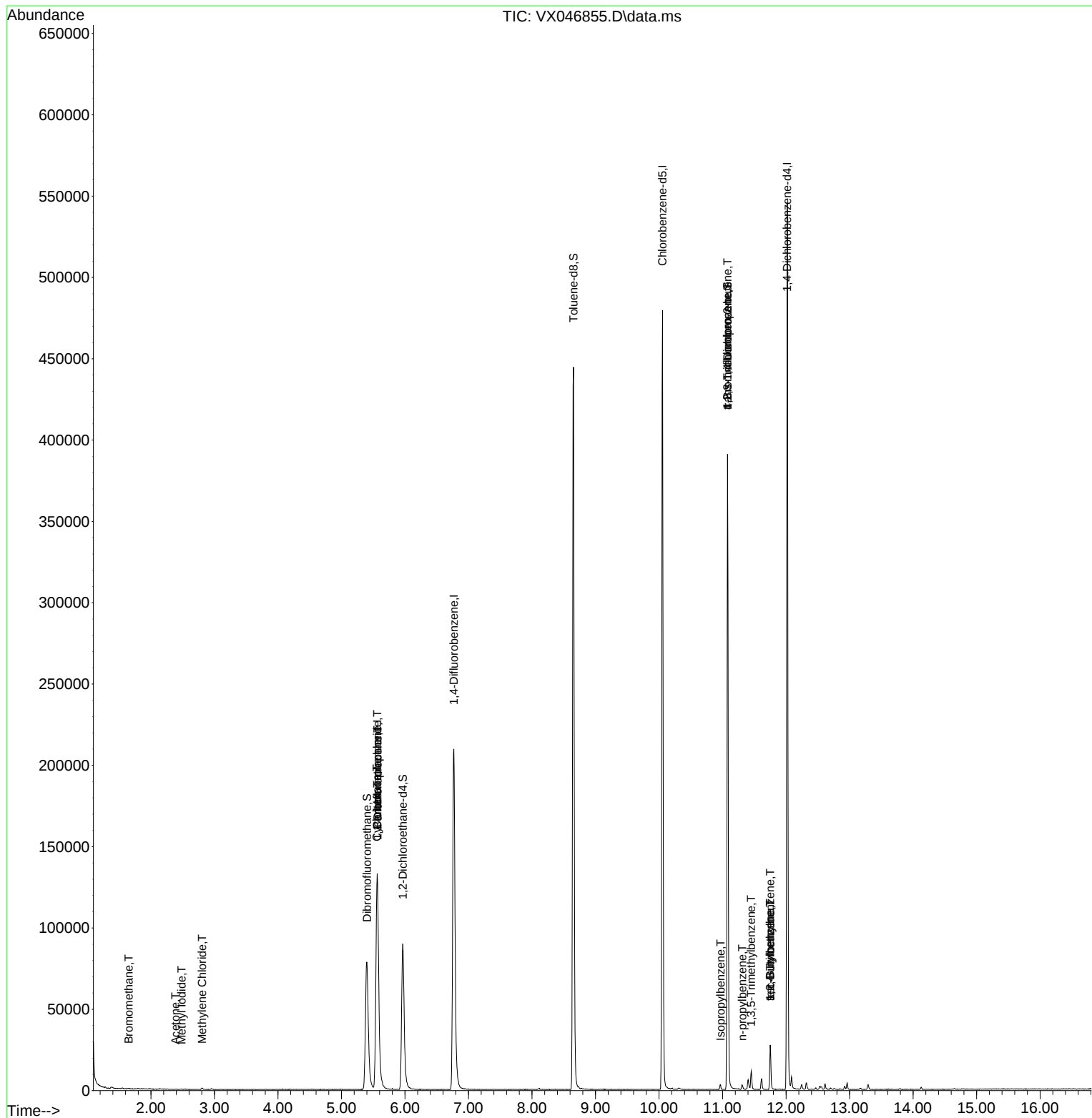
Internal Standards						
1) Pentafluorobenzene	5.562	168	138241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	237394	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	110902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	93788	49.049	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.100%		
35) Dibromofluoromethane	5.403	113	77282	49.203	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.400%		
50) Toluene-d8	8.653	98	276965	49.081	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.160%		
62) 4-Bromofluorobenzene	11.079	95	107020	50.876	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.760%		
Target Compounds						Qvalue
5) Bromomethane	1.648	94	221	0.231	ug/l #	67
10) Methyl Iodide	2.483	142	199	4.425	ug/l #	54
16) Acetone	2.386	43	166	0.260	ug/l #	44
20) Methylene Chloride	2.806	84	523	0.295	ug/l #	89
31) Cyclohexane	5.556	56	2810	0.981	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	11335	4.999	ug/l #	52
38) Carbon Tetrachloride	5.562	117	14163	5.756	ug/l #	18
73) Isopropylbenzene	10.969	105	1780	0.218	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	54017	26.594	ug/l #	41
78) n-propylbenzene	11.311	91	2341	0.241	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	5624	0.838	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	54017	75.169	ug/l #	7
83) tert-Butylbenzene	11.750	119	1676	0.242	ug/l #	67
84) 1,2,4-Trimethylbenzene	11.750	105	13299	1.972	ug/l	100
85) sec-Butylbenzene	11.750	105	13299	1.517	ug/l #	57

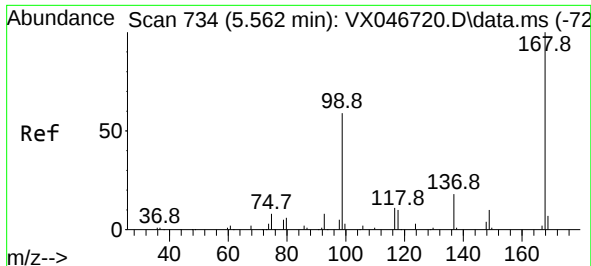
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

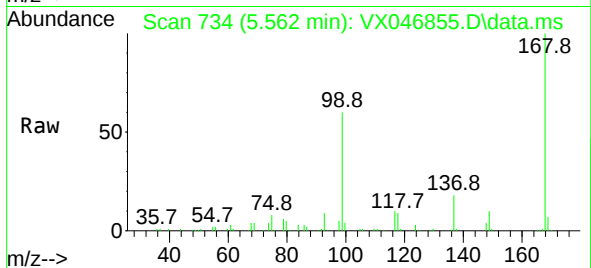
Quant Time: Jul 02 01:40:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



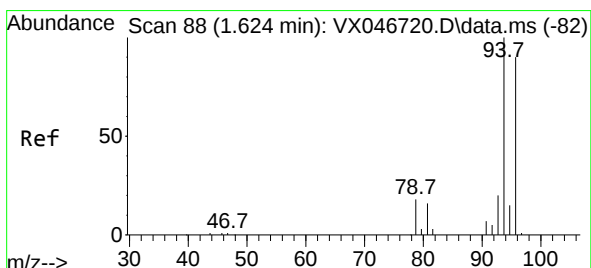
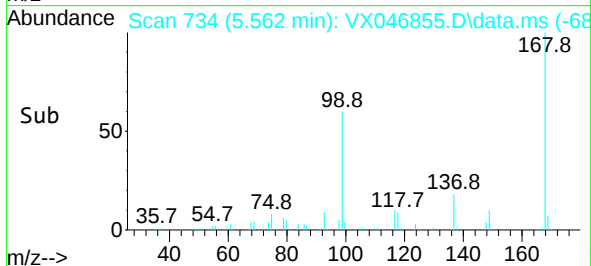
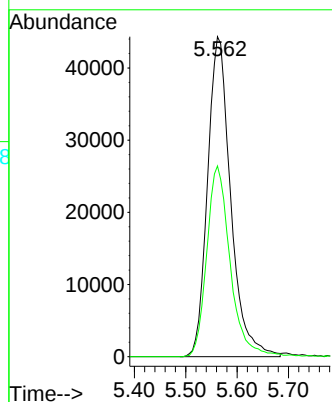


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046855.D
Acq: 01 Jul 2025 13:18

Instrument :
MSVOA_X
ClientSampleId :

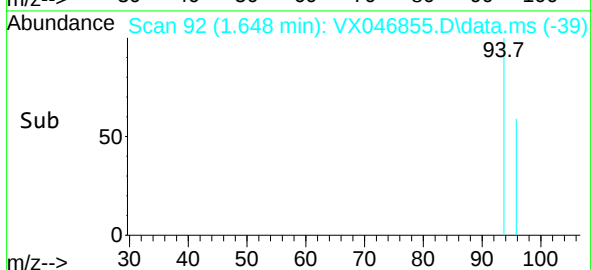
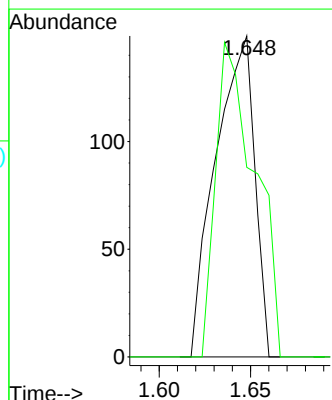
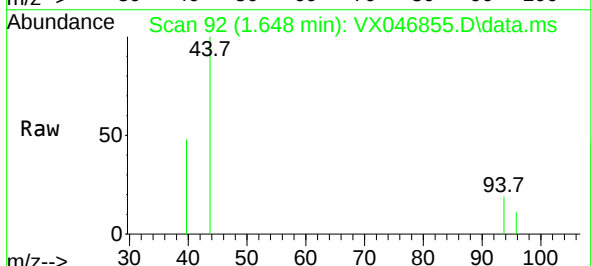


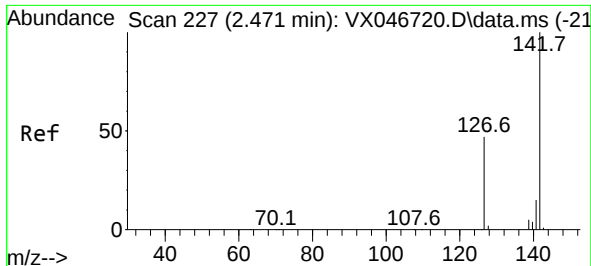
Tgt Ion:168 Resp: 138241
Ion Ratio Lower Upper
168 100
99 59.6 48.5 72.7



#5
Bromomethane
Concen: 0.231 ug/l
RT: 1.648 min Scan# 92
Delta R.T. 0.024 min
Lab File: VX046855.D
Acq: 01 Jul 2025 13:18

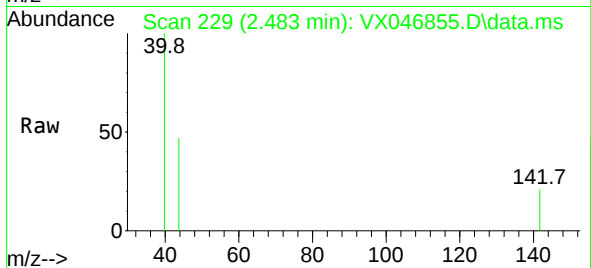
Tgt Ion: 94 Resp: 221
Ion Ratio Lower Upper
94 100
96 59.1 72.3 108.5#



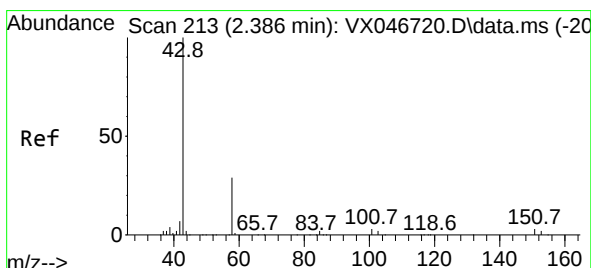
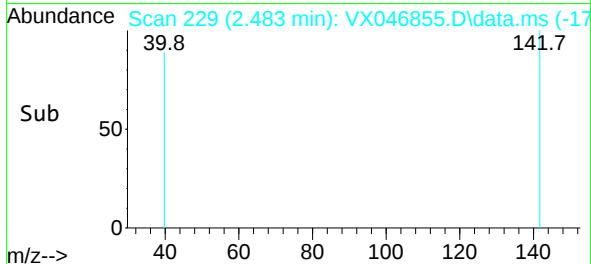
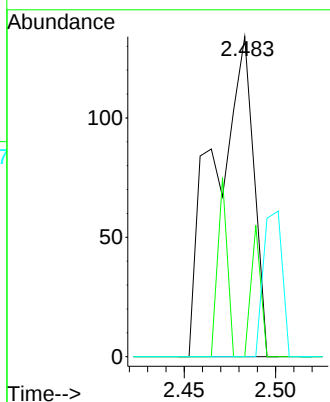


#10
Methyl Iodide
Concen: 4.425 ug/l
RT: 2.483 min Scan# 210
Delta R.T. 0.012 min
Lab File: VX046855.D
Acq: 01 Jul 2025 13:18

Instrument :
MSVOA_X
ClientSampleId :

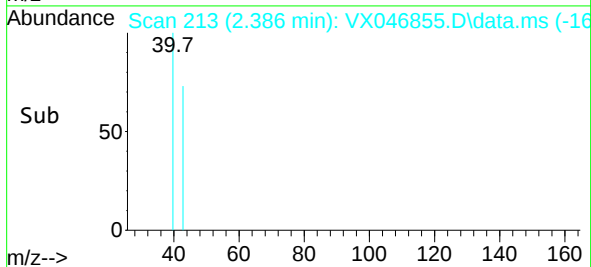
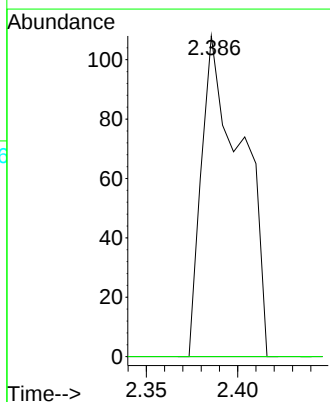
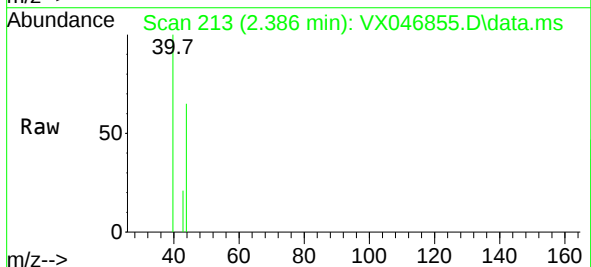


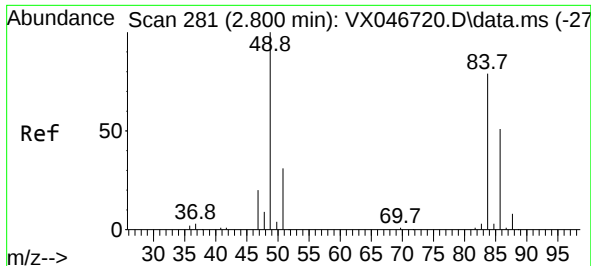
Tgt Ion:142 Resp: 199
Ion Ratio Lower Upper
142 100
127 10.1 37.0 55.6#
141 22.1 11.5 17.3#



#16
Acetone
Concen: 0.260 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046855.D
Acq: 01 Jul 2025 13:18

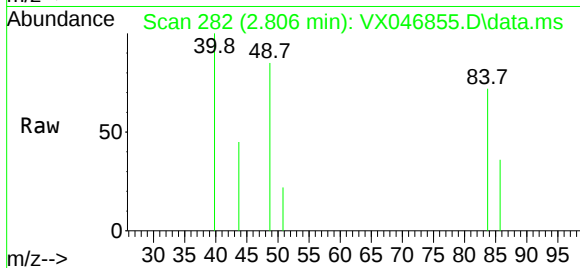
Tgt Ion: 43 Resp: 166
Ion Ratio Lower Upper
43 100
58 0.0 24.5 36.7#



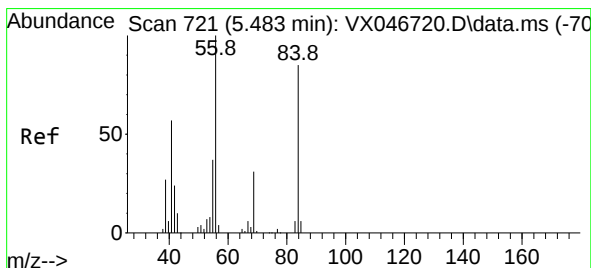
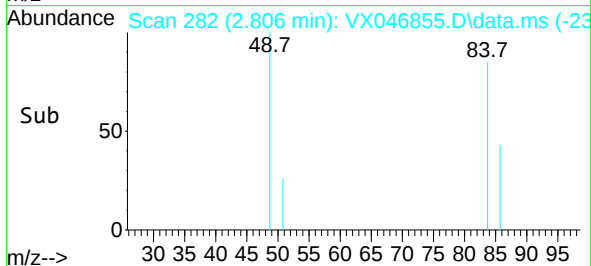
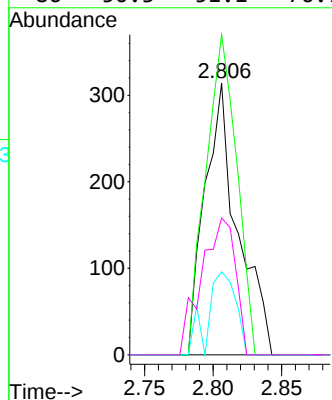


#20
Methylene Chloride
Concen: 0.295 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046855.D
Acq: 01 Jul 2025 13:18

Instrument :
MSVOA_X
ClientSampleId :

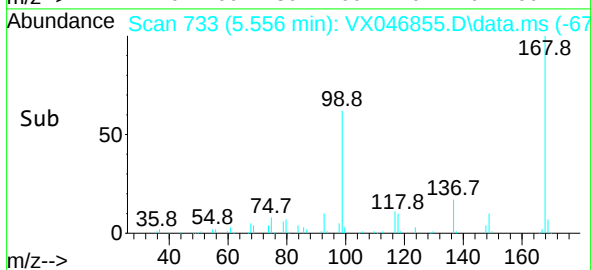
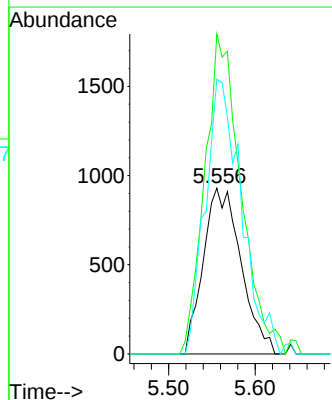
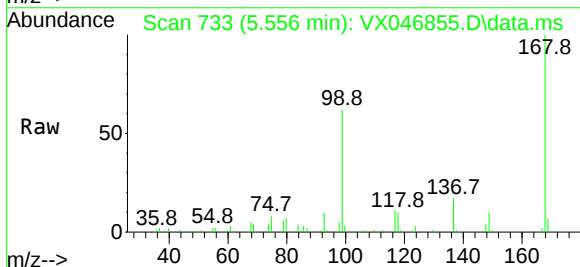


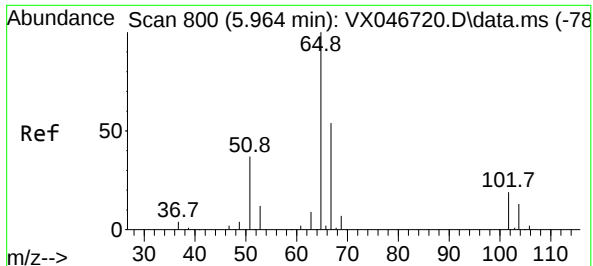
Tgt Ion:	84	Resp:	523
Ion	Ratio	Lower	Upper
84	100		
49	117.8	101.3	151.9
51	30.6	31.0	46.6#
86	50.3	51.1	76.7#



#31
Cyclohexane
Concen: 0.981 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.073 min
Lab File: VX046855.D
Acq: 01 Jul 2025 13:18

Tgt Ion:	56	Resp:	2810
Ion	Ratio	Lower	Upper
56	100		
69	193.1	24.8	37.2#
84	165.8	68.2	102.2#





#33

1,2-Dichloroethane-d4

Concen: 49.049 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.000 min

Lab File: VX046855.D

Acq: 01 Jul 2025 13:18

Instrument :

MSVOA_X

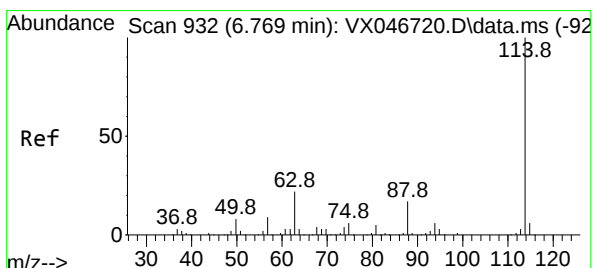
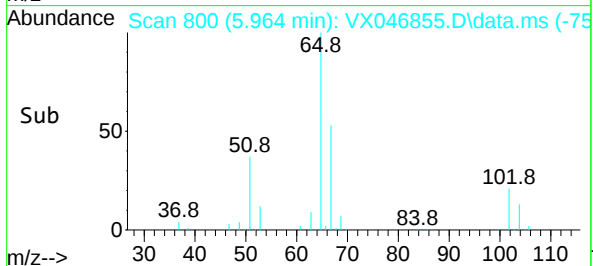
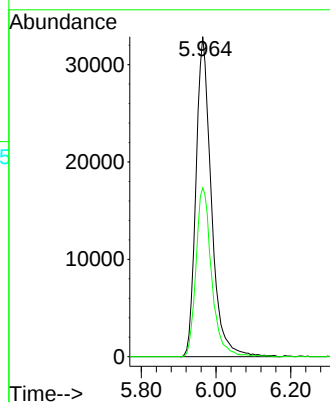
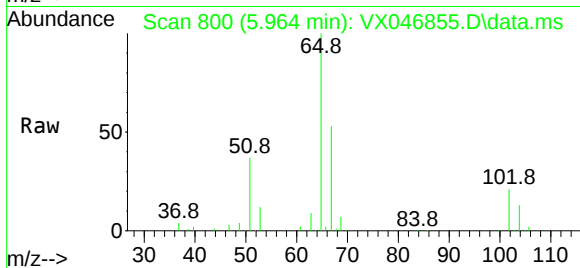
ClientSampleId :

Tgt Ion: 65 Resp: 93788

Ion Ratio Lower Upper

65 100

67 53.4 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX046855.D

Acq: 01 Jul 2025 13:18

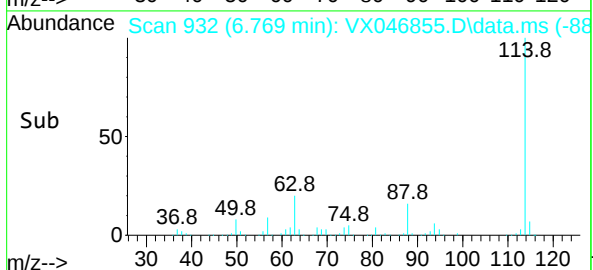
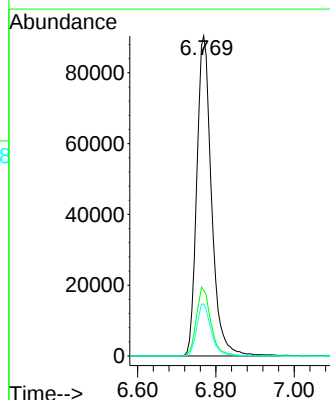
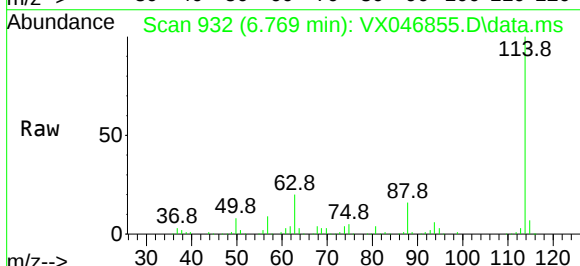
Tgt Ion: 114 Resp: 237394

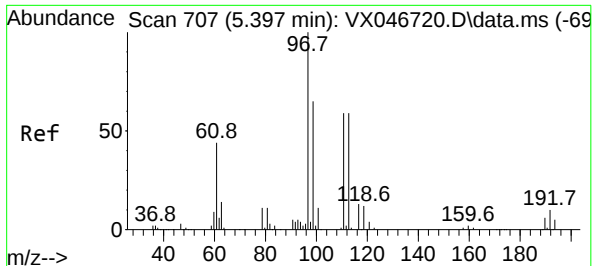
Ion Ratio Lower Upper

114 100

63 20.5 0.0 44.2

88 16.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.203 ug/l

RT: 5.403 min Scan# 707

Delta R.T. 0.006 min

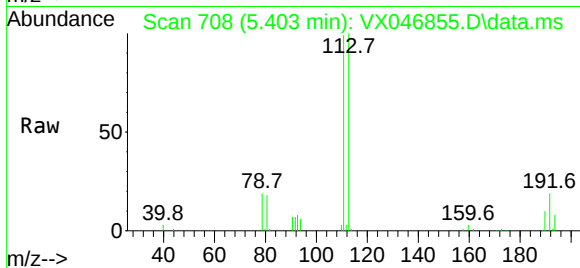
Lab File: VX046855.D

Acq: 01 Jul 2025 13:18

Instrument :

MSVOA_X

ClientSampleId :



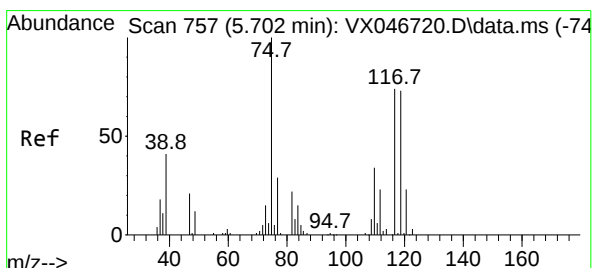
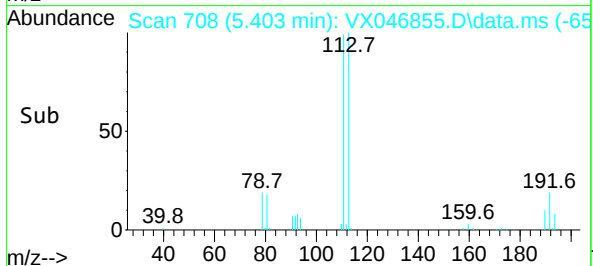
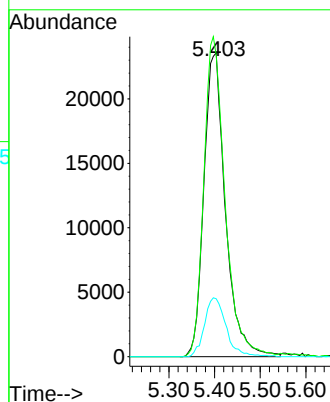
Tgt Ion:113 Resp: 77282

Ion Ratio Lower Upper

113 100

111 103.6 82.0 123.0

192 19.5 15.3 22.9



#36

1,1-Dichloropropene

Concen: 4.999 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.134 min

Lab File: VX046855.D

Acq: 01 Jul 2025 13:18

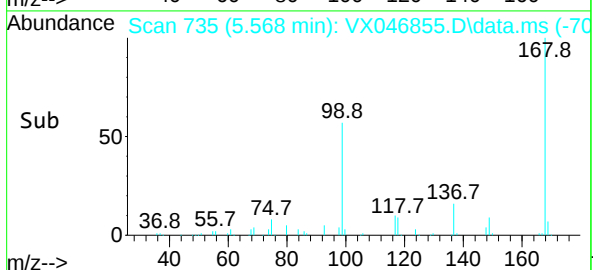
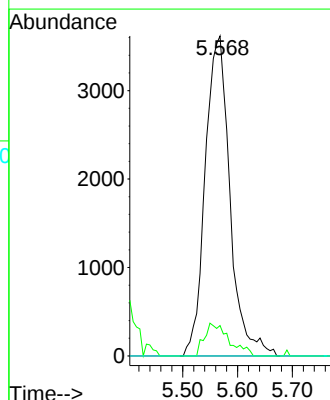
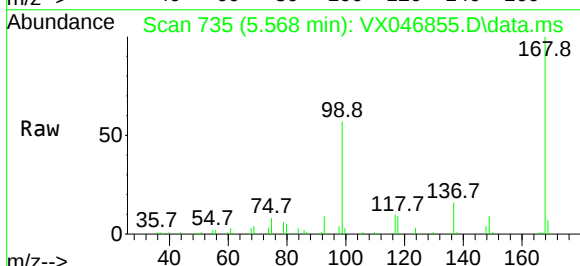
Tgt Ion: 75 Resp: 11335

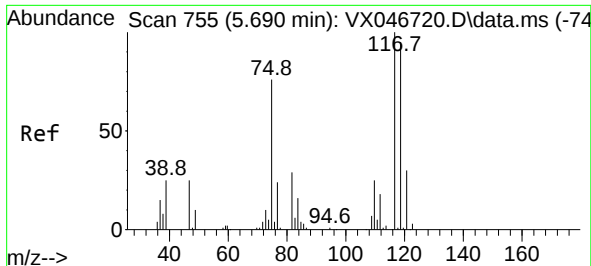
Ion Ratio Lower Upper

75 100

110 10.2 17.2 51.5#

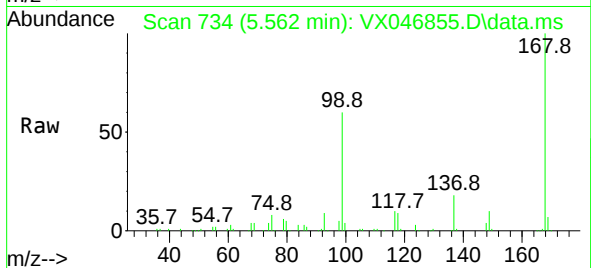
77 0.0 24.2 36.4#



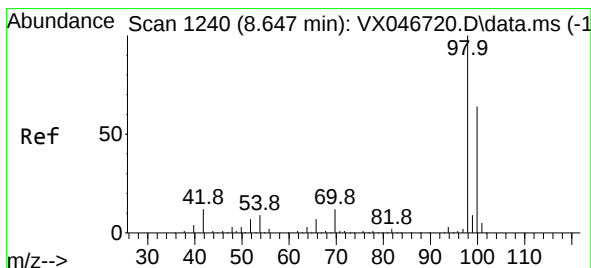
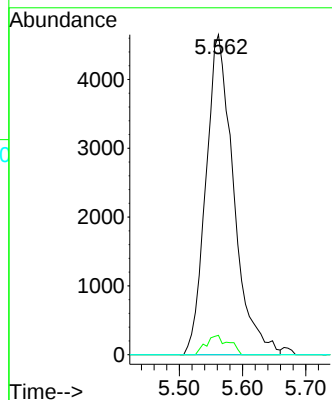
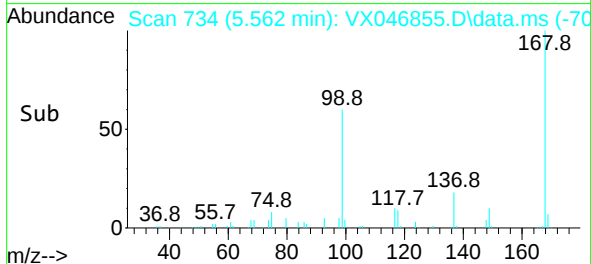


#38
Carbon Tetrachloride
Concen: 5.756 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046855.D
Acq: 01 Jul 2025 13:18

Instrument :
MSVOA_X
ClientSampleId :

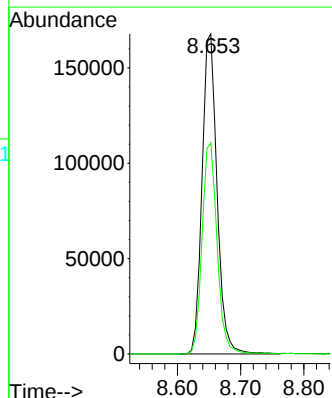
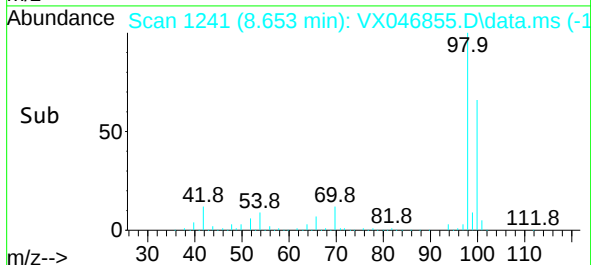
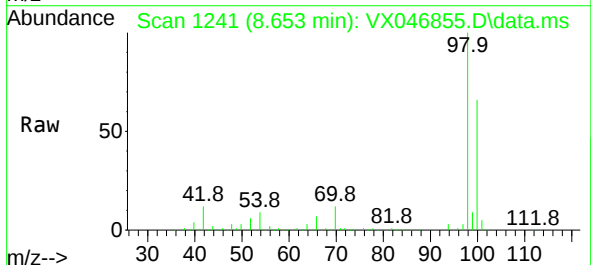


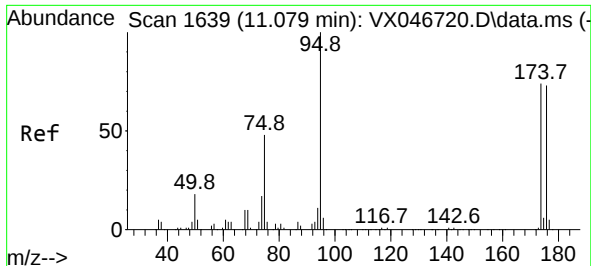
Tgt Ion:117 Resp: 14163
Ion Ratio Lower Upper
117 100
119 6.0 75.2 112.8#
121 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 49.081 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046855.D
Acq: 01 Jul 2025 13:18

Tgt Ion: 98 Resp: 276965
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.4

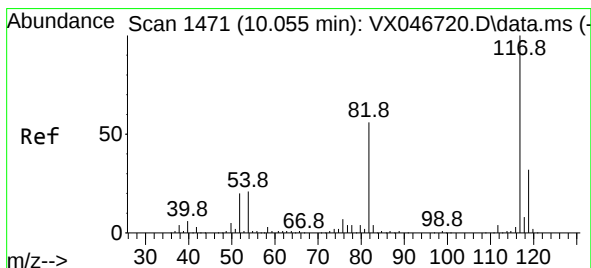
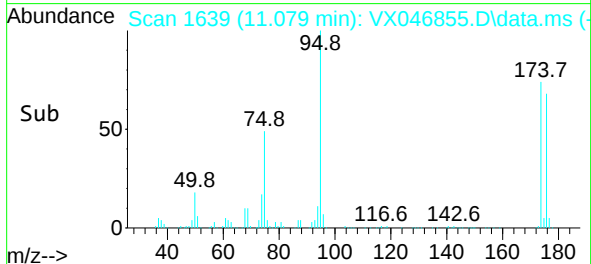
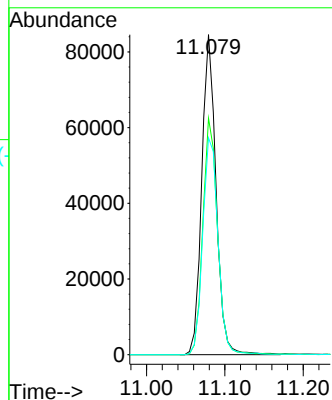
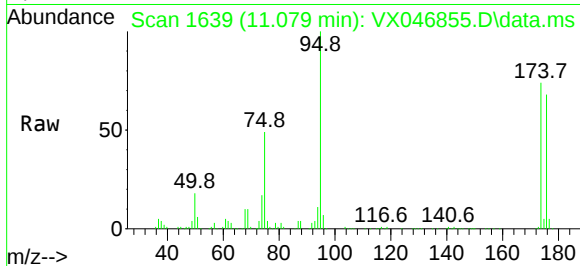




#62
4-Bromofluorobenzene
Concen: 50.876 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046855.D
Acq: 01 Jul 2025 13:18

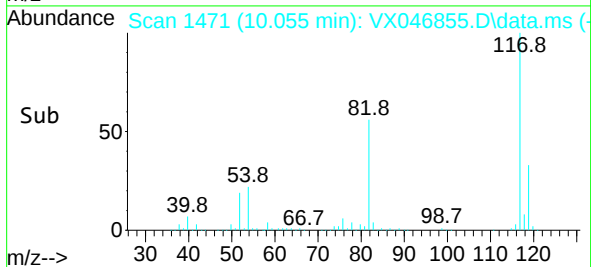
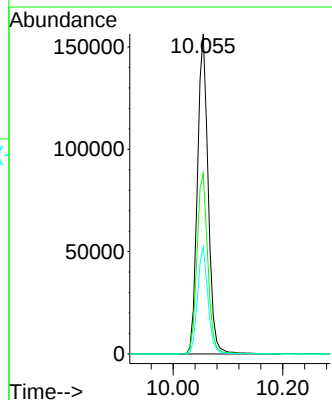
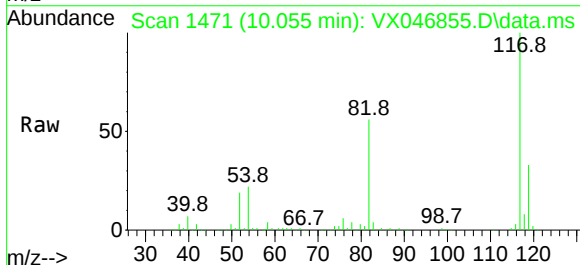
Instrument :
MSVOA_X
ClientSampleId :

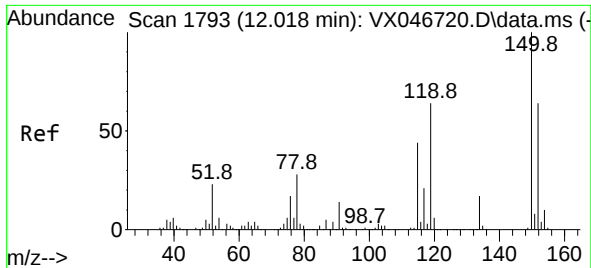
Tgt Ion: 95 Resp: 107020
Ion Ratio Lower Upper
95 100
174 75.7 0.0 150.4
176 72.9 0.0 145.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046855.D
Acq: 01 Jul 2025 13:18

Tgt Ion: 117 Resp: 214322
Ion Ratio Lower Upper
117 100
82 56.4 44.6 66.8
119 33.5 25.8 38.8

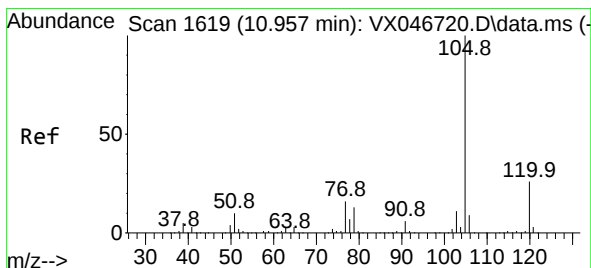
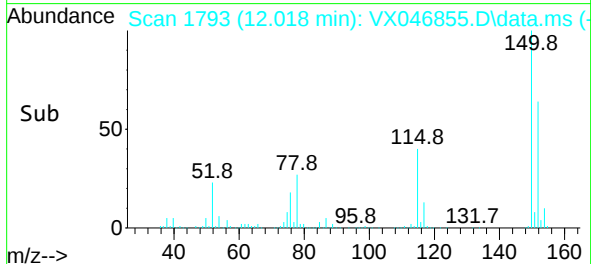
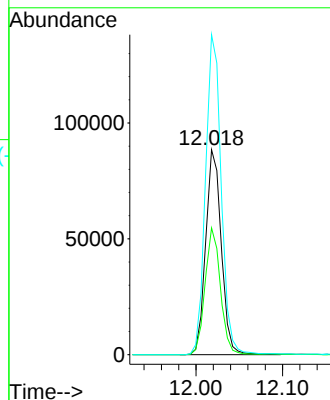
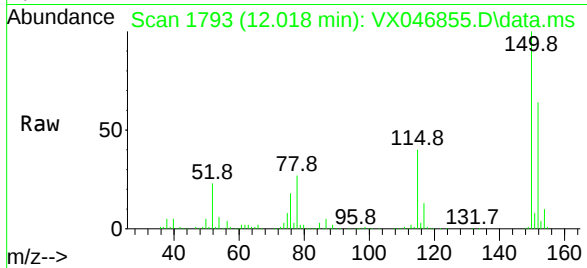




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046855.D
Acq: 01 Jul 2025 13:18

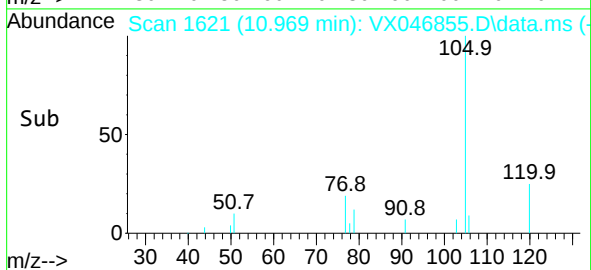
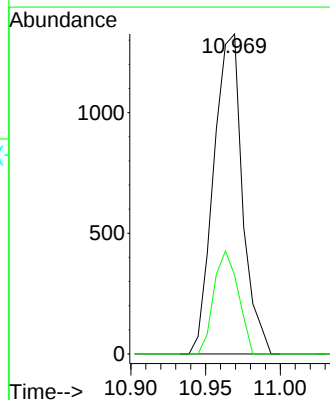
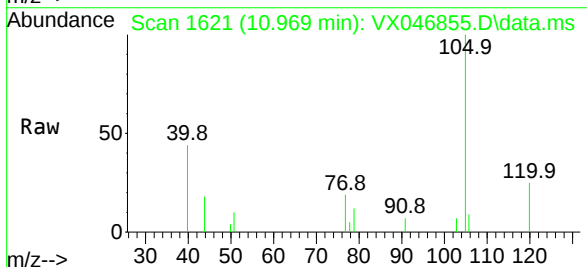
Instrument :
MSVOA_X
ClientSampleId :

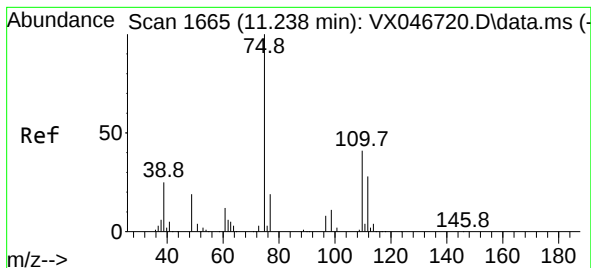
Tgt Ion:152 Resp: 110902
Ion Ratio Lower Upper
152 100
115 60.8 43.2 129.6
150 157.6 0.0 346.8



#73
Isopropylbenzene
Concen: 0.218 ug/l
RT: 10.969 min Scan# 1621
Delta R.T. 0.012 min
Lab File: VX046855.D
Acq: 01 Jul 2025 13:18

Tgt Ion:105 Resp: 1780
Ion Ratio Lower Upper
105 100
120 27.1 13.0 39.0





#76

1,2,3-Trichloropropane

Concen: 26.594 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX046855.D

Acq: 01 Jul 2025 13:18

Instrument :

MSVOA_X

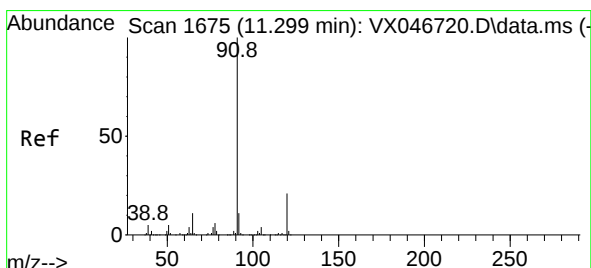
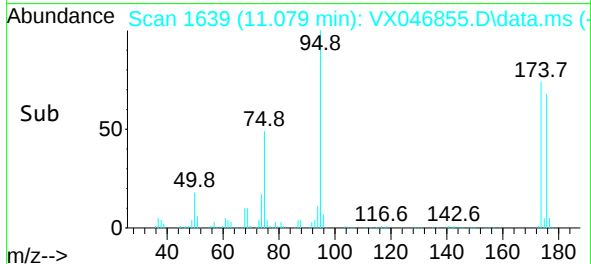
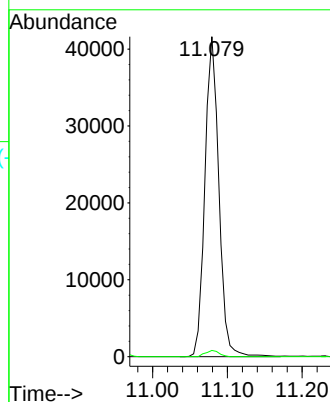
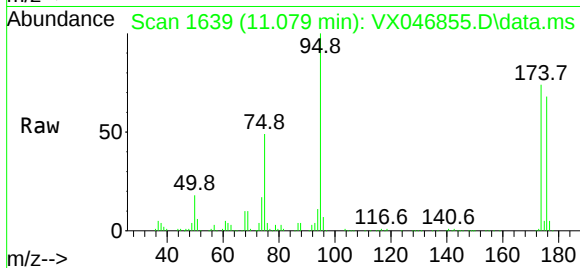
ClientSampleId :

Tgt Ion: 75 Resp: 54017

Ion Ratio Lower Upper

75 100

77 1.9 18.5 55.5#



#78

n-propylbenzene

Concen: 0.241 ug/l

RT: 11.311 min Scan# 1677

Delta R.T. 0.012 min

Lab File: VX046855.D

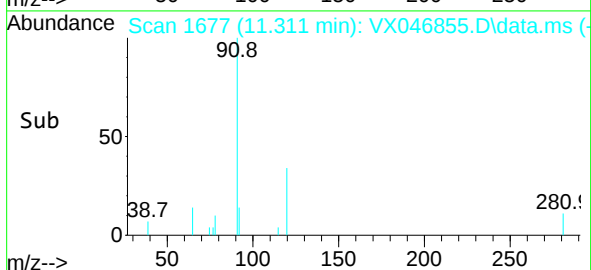
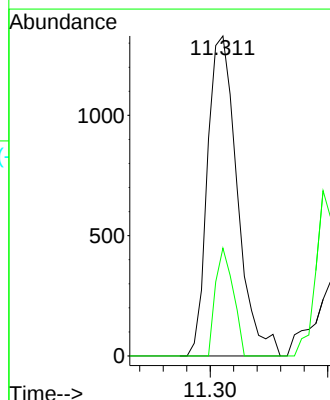
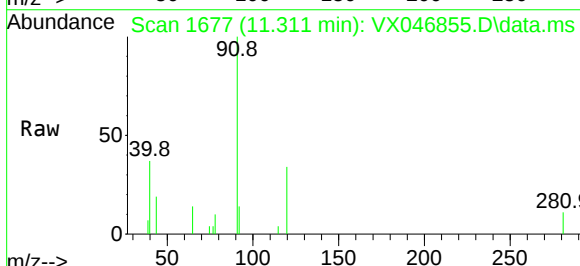
Acq: 01 Jul 2025 13:18

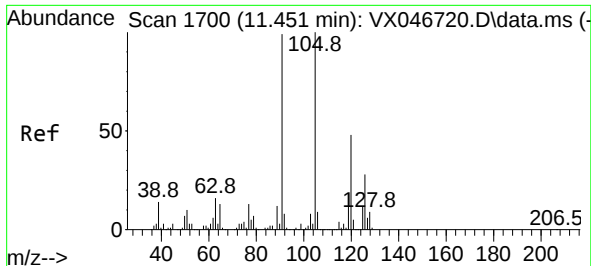
Tgt Ion: 91 Resp: 2341

Ion Ratio Lower Upper

91 100

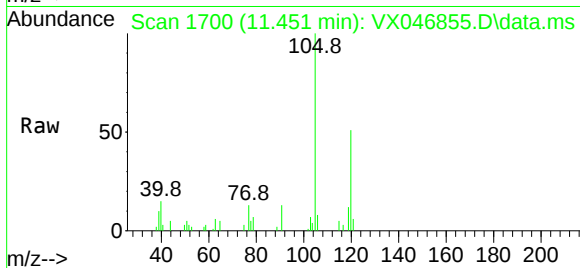
120 20.0 11.4 34.1



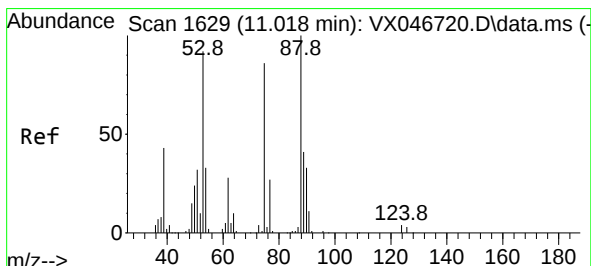
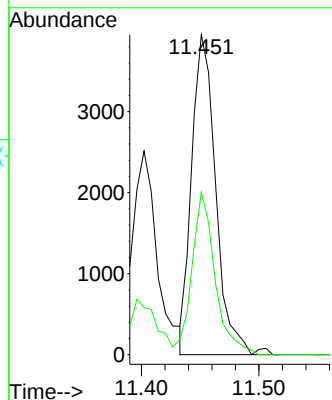
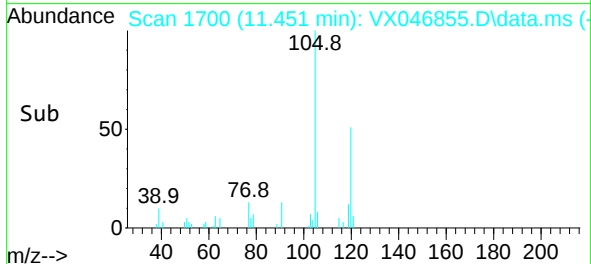


#80
1,3,5-Trimethylbenzene
Concen: 0.838 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046855.D
Acq: 01 Jul 2025 13:18

Instrument :
MSVOA_X
ClientSampleId :

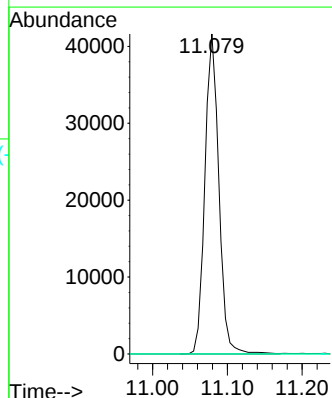
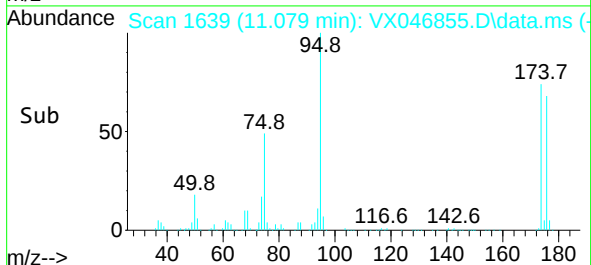
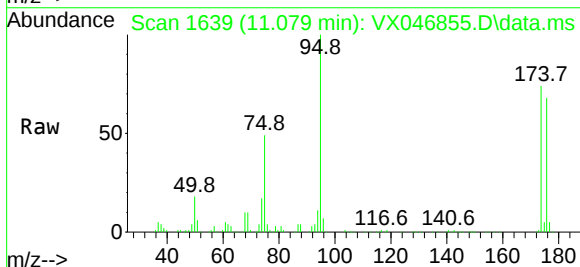


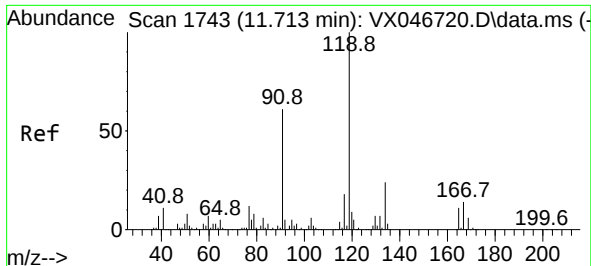
Tgt Ion:105 Resp: 5624
Ion Ratio Lower Upper
105 100
120 48.8 24.1 72.2



#81
trans-1,4-Dichloro-2-butene
Concen: 75.169 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046855.D
Acq: 01 Jul 2025 13:18

Tgt Ion: 75 Resp: 54017
Ion Ratio Lower Upper
75 100
53 0.0 86.8 130.2#
89 0.0 36.9 55.3#

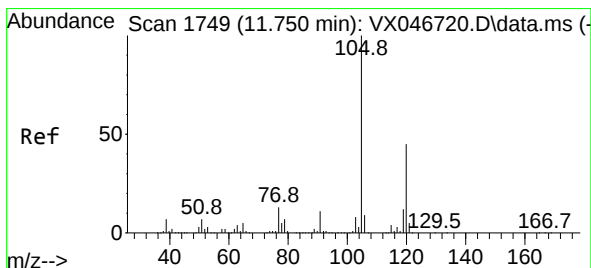
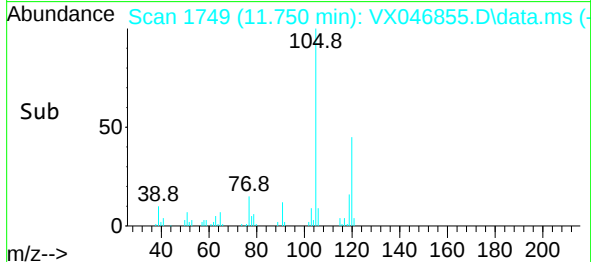
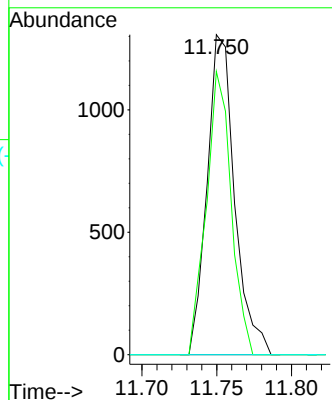
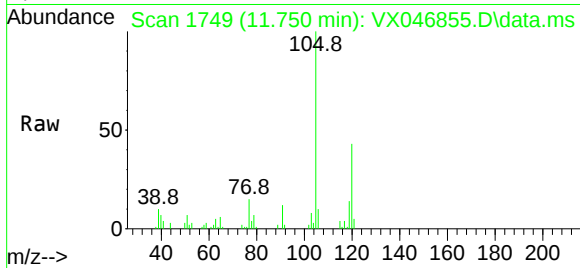




#83
tert-Butylbenzene
Concen: 0.242 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.036 min
Lab File: VX046855.D
Acq: 01 Jul 2025 13:18

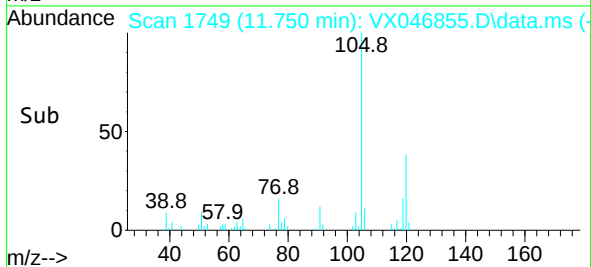
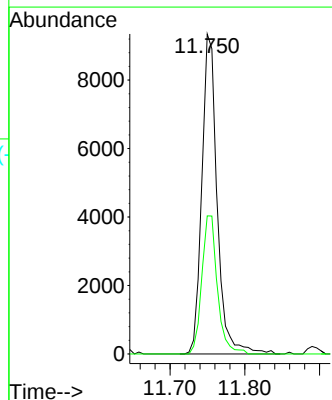
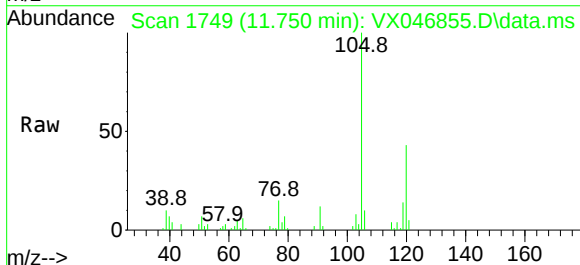
Instrument :
MSVOA_X
ClientSampleId :

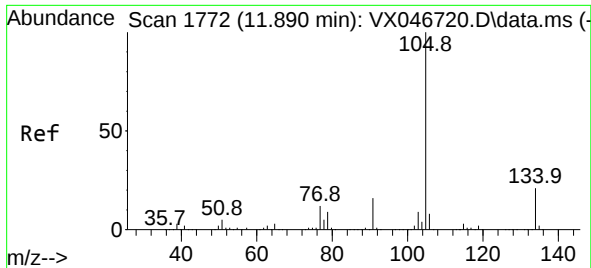
Tgt Ion:119 Resp: 1676
Ion Ratio Lower Upper
119 100
91 79.9 29.5 88.6
134 0.0 11.7 35.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.972 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046855.D
Acq: 01 Jul 2025 13:18

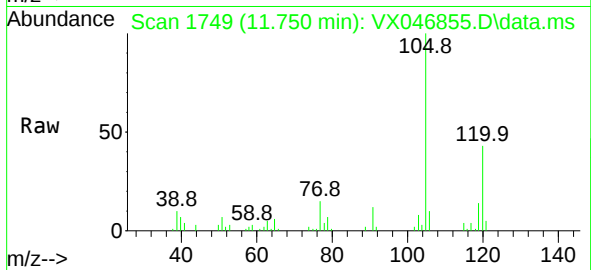
Tgt Ion:105 Resp: 13299
Ion Ratio Lower Upper
105 100
120 43.9 22.1 66.3





#85
sec-Butylbenzene
Concen: 1.517 ug/l
RT: 11.750 min Scan# 11
Delta R.T. -0.140 min
Lab File: VX046855.D
Acq: 01 Jul 2025 13:18

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:105 Resp: 13299
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.4#

