

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
 Data File : VX046849.D
 Acq On : 01 Jul 2025 11:03
 Operator : JC/MD
 Sample : Q2461-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 02 01:39:49 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

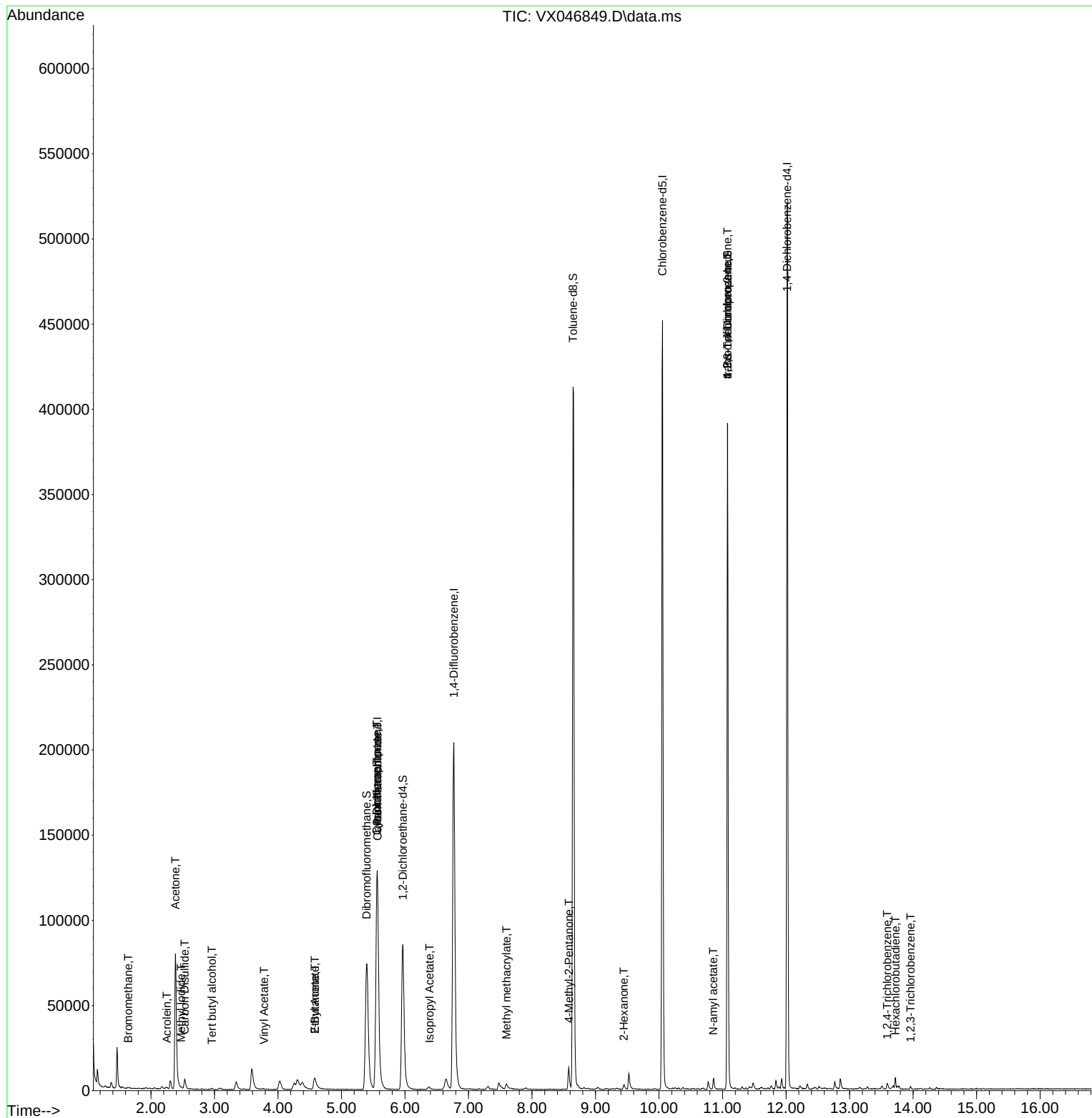
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	134278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	224959	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	205629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	105734	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	88565	47.685	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.360%
35) Dibromofluoromethane	5.397	113	73090	49.106	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.220%
50) Toluene-d8	8.647	98	262232	49.038	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.080%
62) 4-Bromofluorobenzene	11.079	95	102796	51.569	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.140%
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	525	0.566	ug/l	86
10) Methyl Iodide	2.477	142	1144	4.877	ug/l #	75
11) Tert butyl alcohol	2.959	59	144	0.864	ug/l #	72
13) Acrolein	2.252	56	651	2.681	ug/l #	50
16) Acetone	2.386	43	99079	159.968	ug/l	98
17) Carbon Disulfide	2.532	76	948	0.212	ug/l #	74
23) Vinyl Acetate	3.782	43	1143	0.278	ug/l #	73
25) 2-Butanone	4.580	43	15504	17.699	ug/l	94
31) Cyclohexane	5.556	56	2415	0.868	ug/l #	15
36) 1,1-Dichloropropene	5.556	75	10557	4.913	ug/l #	48
37) Ethyl Acetate	4.580	43	15504	7.818	ug/l #	71
38) Carbon Tetrachloride	5.568	117	13325	5.715	ug/l #	17
43) Isopropyl Acetate	6.385	43	832	0.268	ug/l #	62
48) Methyl methacrylate	7.598	41	1511	0.971	ug/l #	34
51) 4-Methyl-2-Pentanone	8.580	43	8772	4.739	ug/l	98
59) 2-Hexanone	9.445	43	2117	1.654	ug/l	99
74) N-amyl acetate	10.854	43	1424	0.483	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	51586	26.638	ug/l #	41
81) trans-1,4-Dichloro-2-b...	11.079	75	51586	75.295	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.591	180	628	0.259	ug/l	93
94) Hexachlorobutadiene	13.725	225	874	0.856	ug/l	95
96) 1,2,3-Trichlorobenzene	13.963	180	516	0.222	ug/l	93

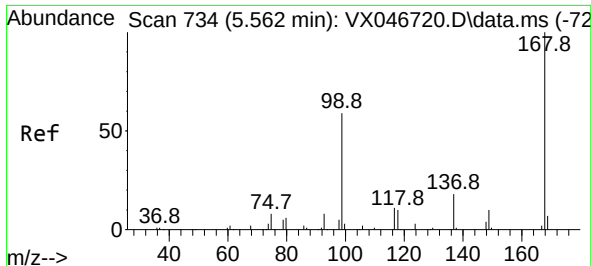
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :

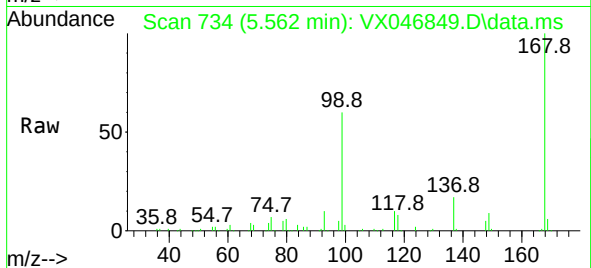
Quant Time: Jul 02 01:39:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



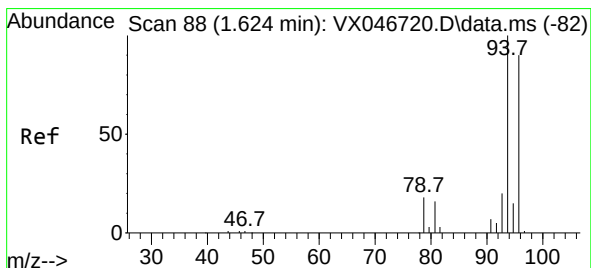
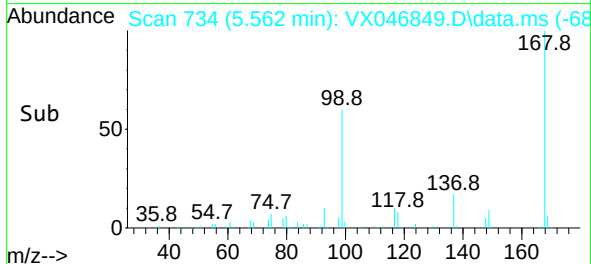
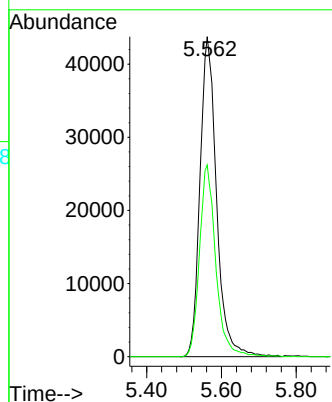


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046849.D
Acq: 01 Jul 2025 11:03

Instrument :
MSVOA_X
ClientSampleId :

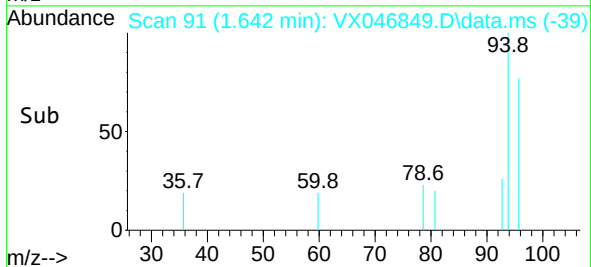
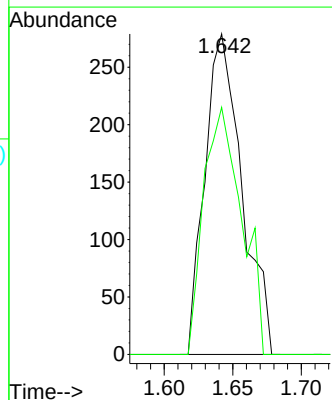
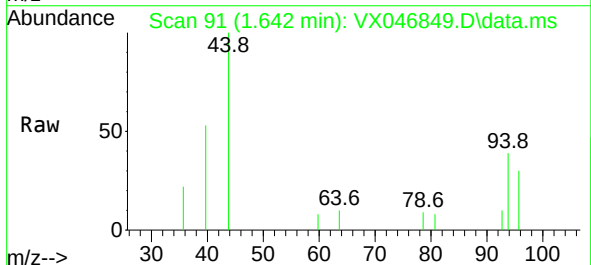


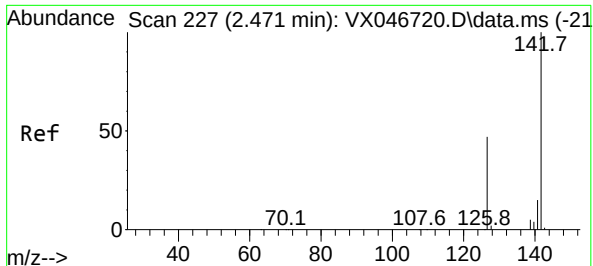
Tgt Ion:168 Resp: 134278
Ion Ratio Lower Upper
168 100
99 59.9 48.5 72.7



#5
Bromomethane
Concen: 0.566 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX046849.D
Acq: 01 Jul 2025 11:03

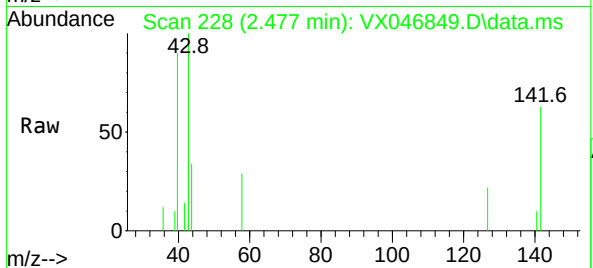
Tgt Ion: 94 Resp: 525
Ion Ratio Lower Upper
94 100
96 77.1 72.3 108.5



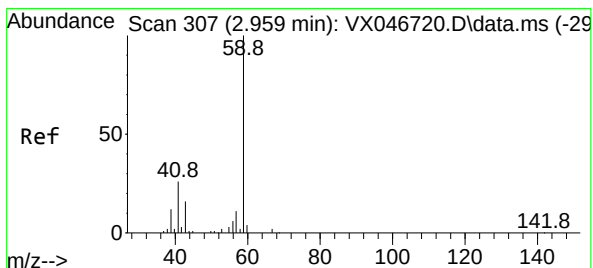
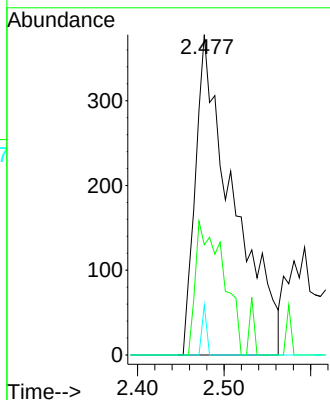
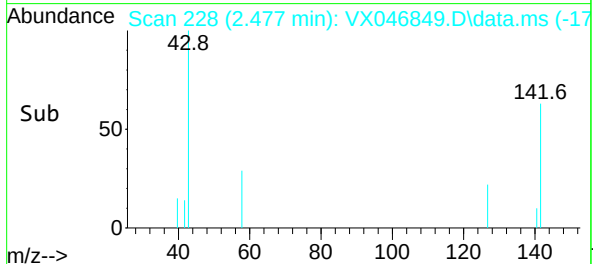


#10
Methyl Iodide
Concen: 4.877 ug/l
RT: 2.477 min Scan# 217
Delta R.T. 0.006 min
Lab File: VX046849.D
Acq: 01 Jul 2025 11:03

Instrument :
MSVOA_X
ClientSampleId :

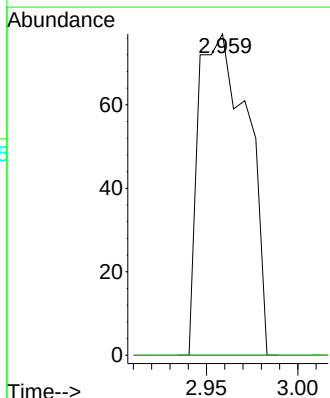
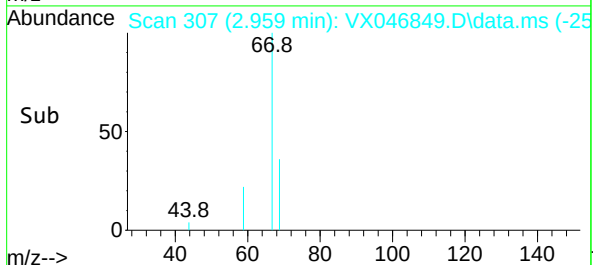
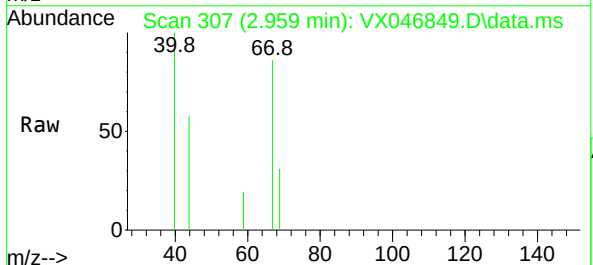


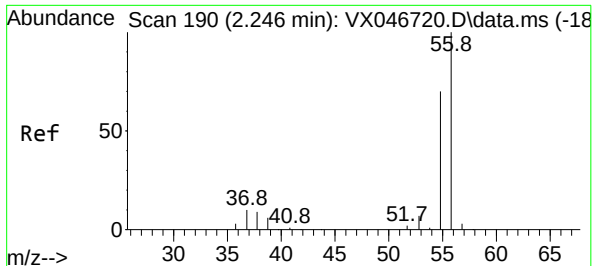
Tgt Ion:142 Resp: 1144
Ion Ratio Lower Upper
142 100
127 30.7 37.0 55.6#
141 1.9 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.864 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.000 min
Lab File: VX046849.D
Acq: 01 Jul 2025 11:03

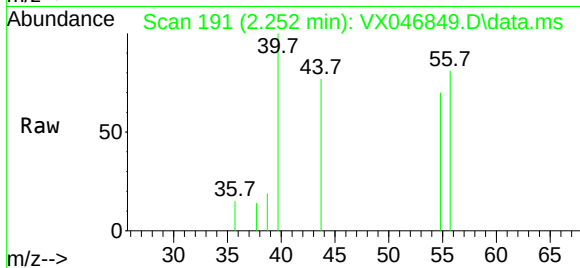
Tgt Ion: 59 Resp: 144
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



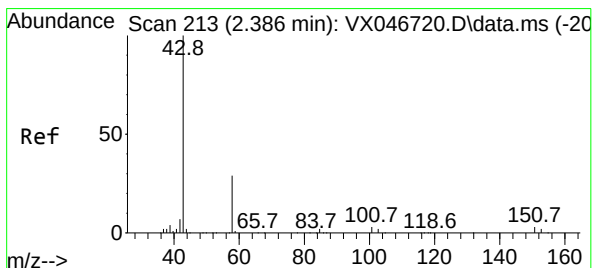
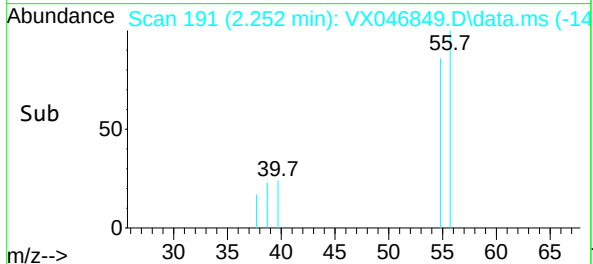
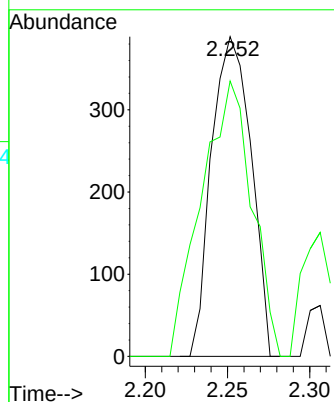


#13
Acrolein
Concen: 2.681 ug/l
RT: 2.252 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX046849.D
Acq: 01 Jul 2025 11:03

Instrument :
MSVOA_X
ClientSampleId :

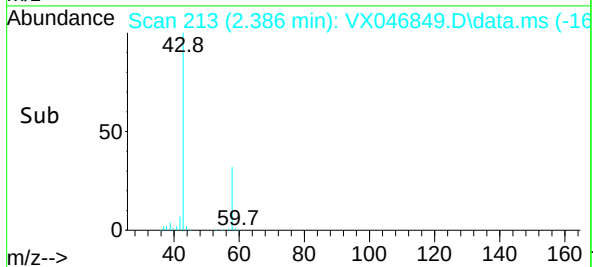
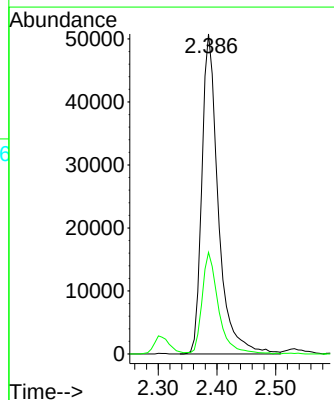
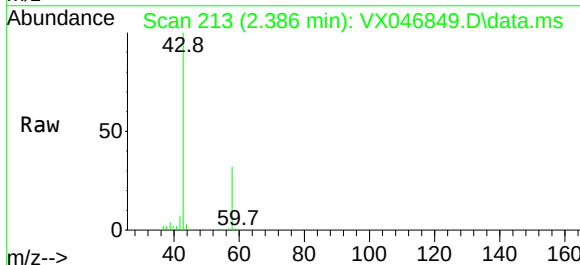


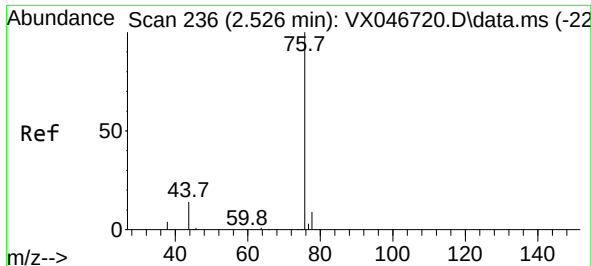
Tgt Ion: 56 Resp: 651
Ion Ratio Lower Upper
56 100
55 109.8 55.2 82.8#



#16
Acetone
Concen: 159.968 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046849.D
Acq: 01 Jul 2025 11:03

Tgt Ion: 43 Resp: 99079
Ion Ratio Lower Upper
43 100
58 31.9 24.5 36.7

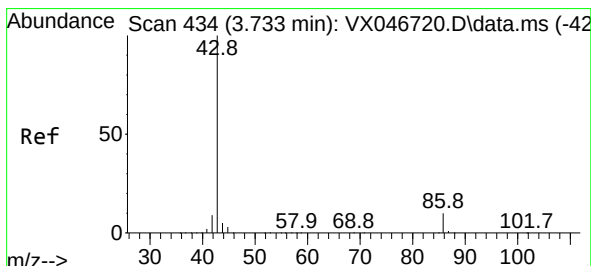
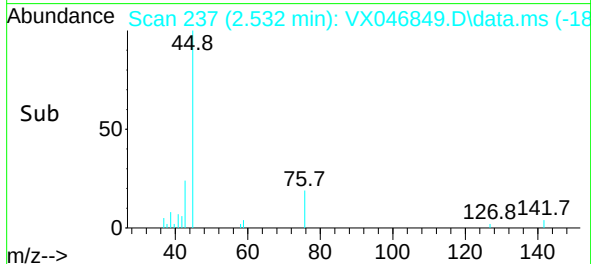
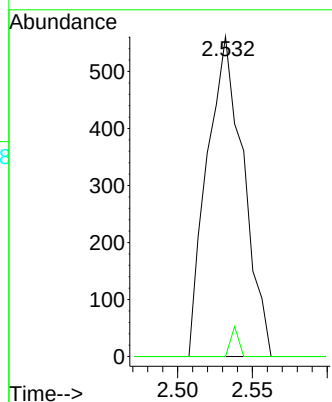
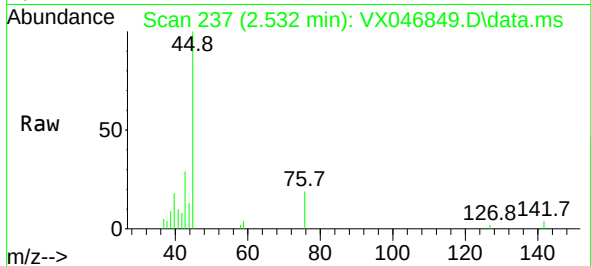




#17
Carbon Disulfide
Concen: 0.212 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046849.D
Acq: 01 Jul 2025 11:03

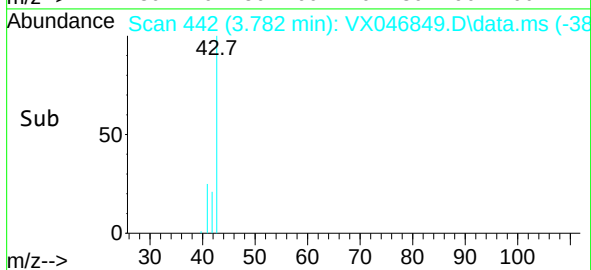
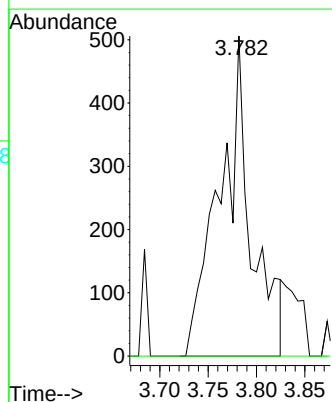
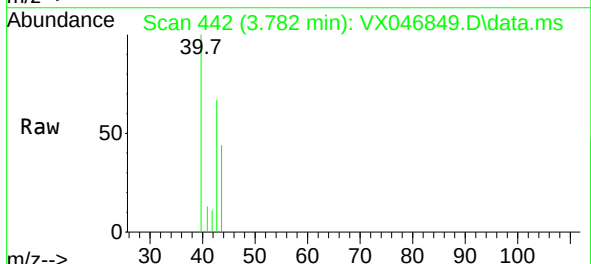
Instrument :
MSVOA_X
ClientSampleId :

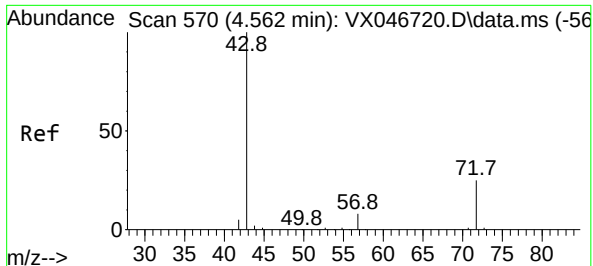
Tgt Ion: 76 Resp: 948
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#23
Vinyl Acetate
Concen: 0.278 ug/l
RT: 3.782 min Scan# 442
Delta R.T. 0.049 min
Lab File: VX046849.D
Acq: 01 Jul 2025 11:03

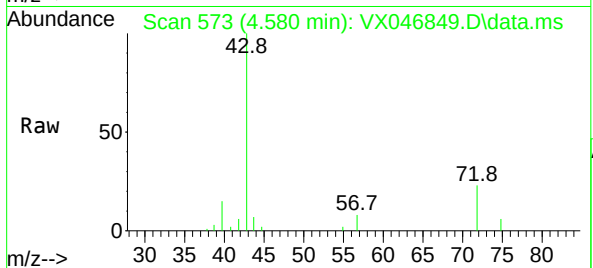
Tgt Ion: 43 Resp: 1143
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.2#



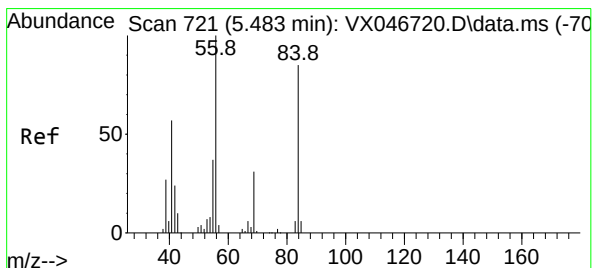
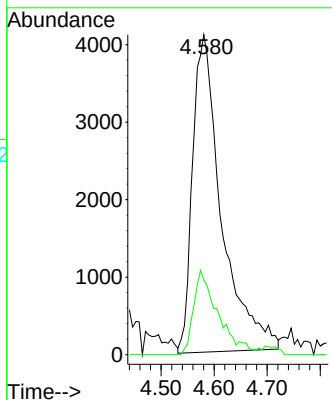
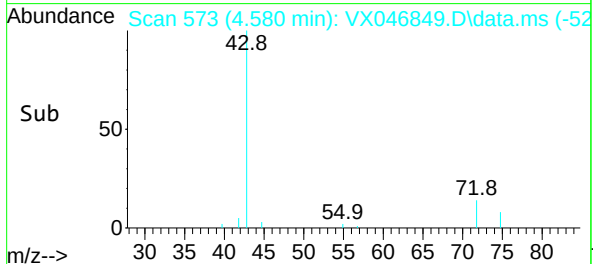


#25
2-Butanone
Concen: 17.699 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX046849.D
Acq: 01 Jul 2025 11:03

Instrument :
MSVOA_X
ClientSampleId :

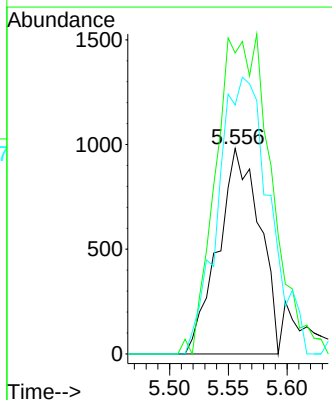
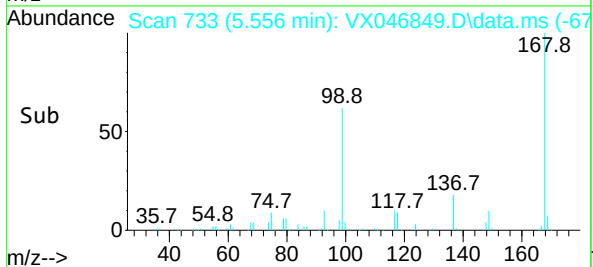
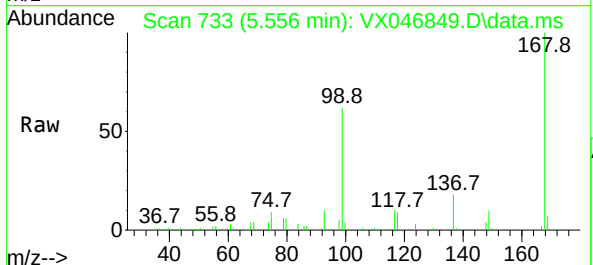


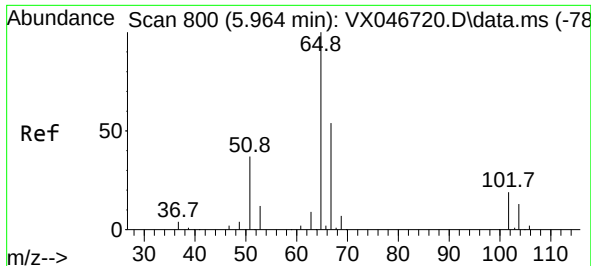
Tgt Ion: 43 Resp: 15504
Ion Ratio Lower Upper
43 100
72 22.3 20.2 30.4



#31
Cyclohexane
Concen: 0.868 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.073 min
Lab File: VX046849.D
Acq: 01 Jul 2025 11:03

Tgt Ion: 56 Resp: 2415
Ion Ratio Lower Upper
56 100
69 146.5 24.8 37.2#
84 121.2 68.2 102.2#





#33

1,2-Dichloroethane-d4

Concen: 47.685 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.000 min

Lab File: VX046849.D

Acq: 01 Jul 2025 11:03

Instrument :

MSVOA_X

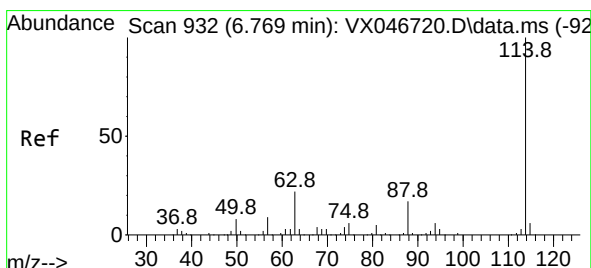
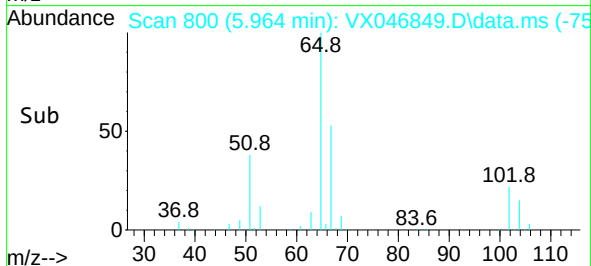
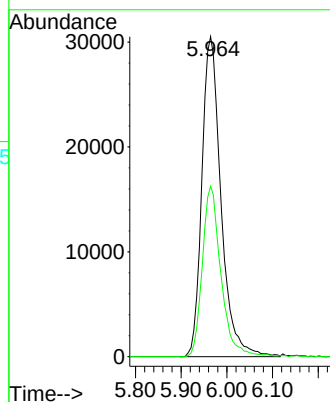
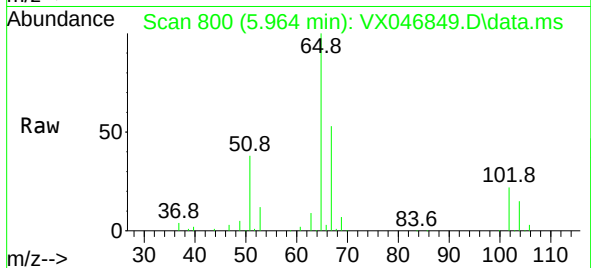
ClientSampleId :

Tgt Ion: 65 Resp: 88565

Ion Ratio Lower Upper

65 100

67 51.7 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: VX046849.D

Acq: 01 Jul 2025 11:03

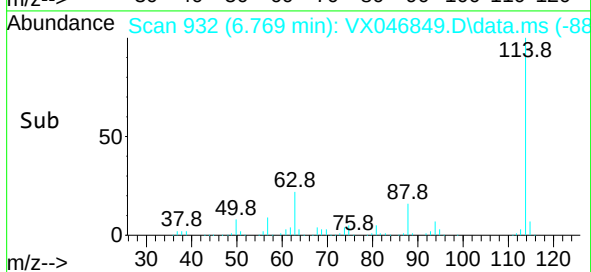
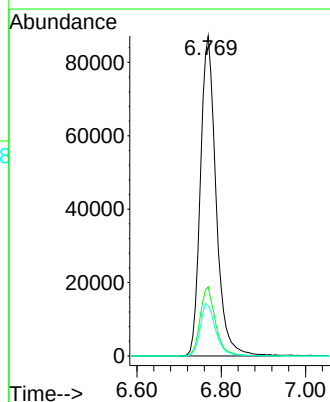
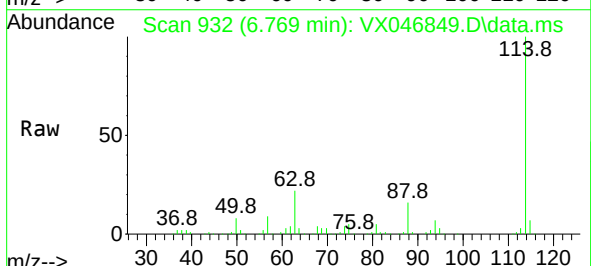
Tgt Ion: 114 Resp: 224959

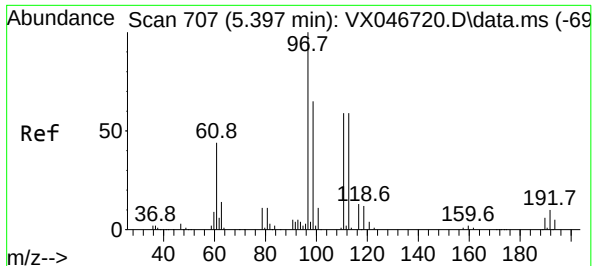
Ion Ratio Lower Upper

114 100

63 24.4 0.0 44.2

88 15.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.106 ug/l

RT: 5.397 min Scan# 707

Delta R.T. -0.000 min

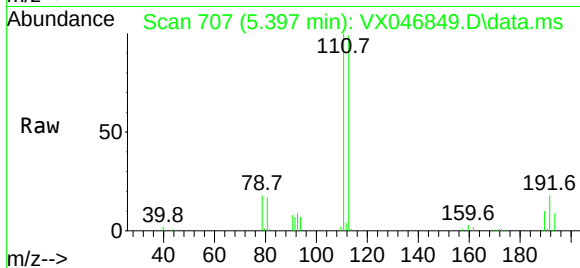
Lab File: VX046849.D

Acq: 01 Jul 2025 11:03

Instrument :

MSVOA_X

ClientSampleId :



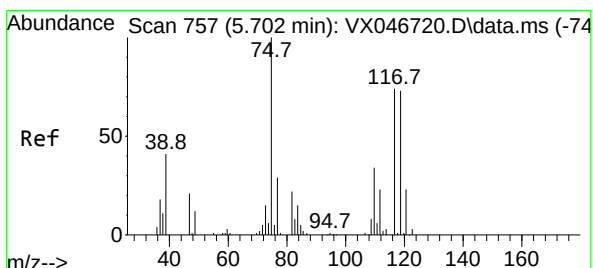
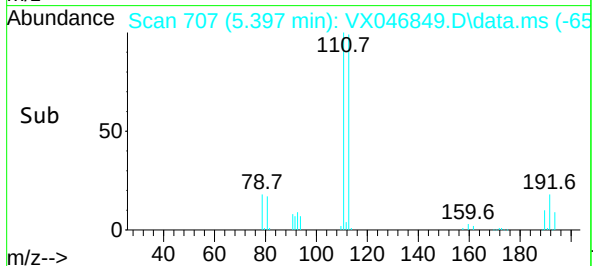
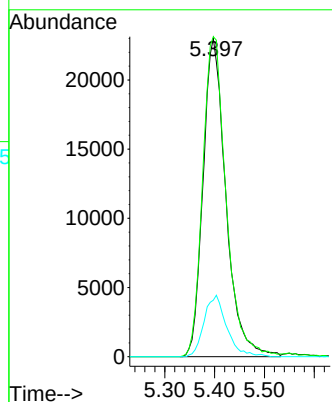
Tgt Ion:113 Resp: 73090

Ion Ratio Lower Upper

113 100

111 103.2 82.0 123.0

192 19.2 15.3 22.9



#36

1,1-Dichloropropene

Concen: 4.913 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX046849.D

Acq: 01 Jul 2025 11:03

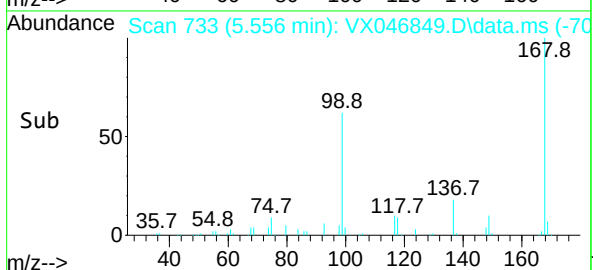
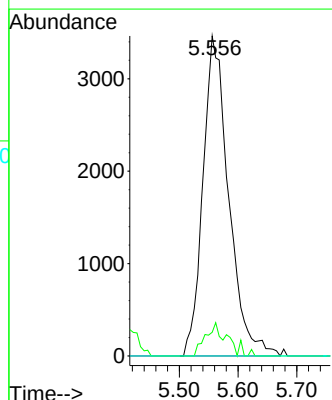
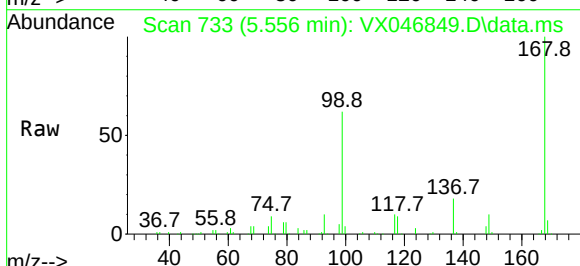
Tgt Ion: 75 Resp: 10557

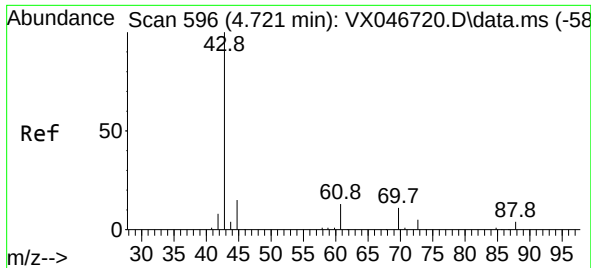
Ion Ratio Lower Upper

75 100

110 6.0 17.2 51.5#

77 0.0 24.2 36.4#





#37

Ethyl Acetate

Concen: 7.818 ug/l

RT: 4.580 min Scan# 51

Delta R.T. -0.140 min

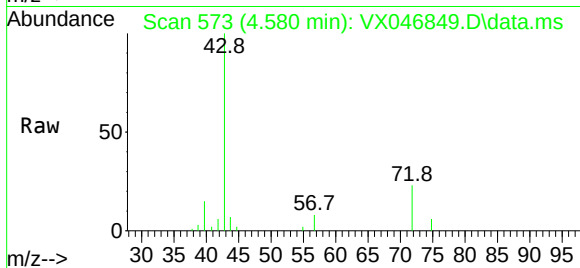
Lab File: VX046849.D

Acq: 01 Jul 2025 11:03

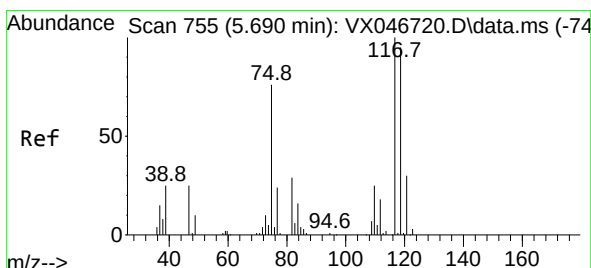
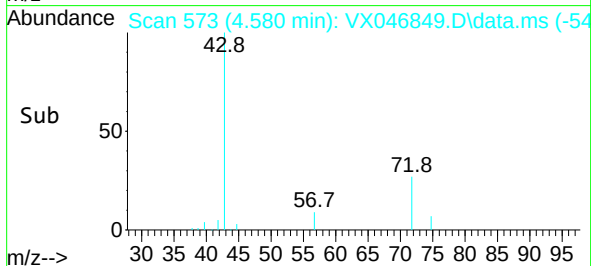
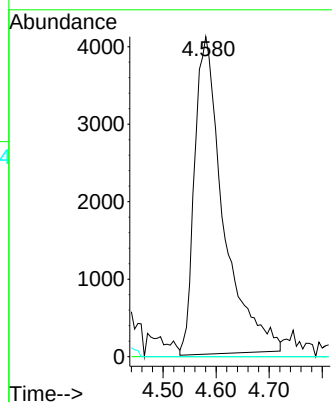
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	15504
Ion Ratio	Lower	Upper	
43	100		
61	0.0	9.7	14.5#
70	0.0	8.1	12.1#



#38

Carbon Tetrachloride

Concen: 5.715 ug/l

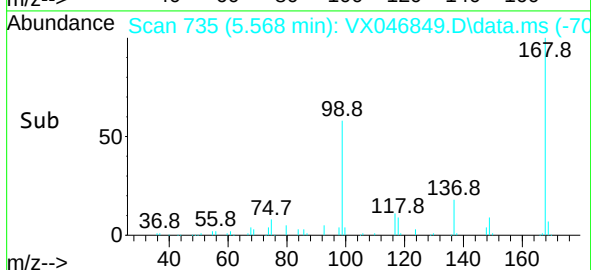
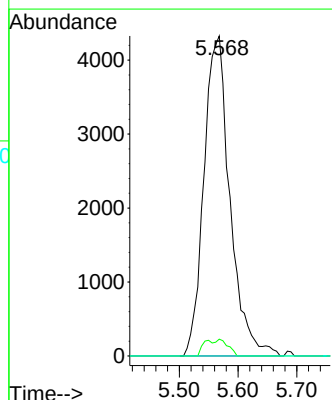
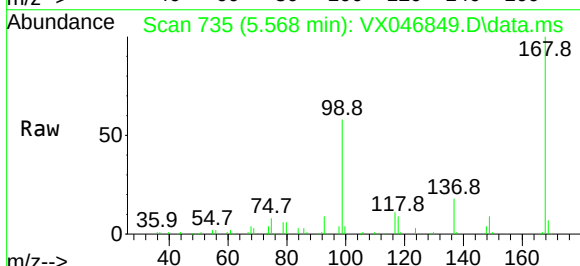
RT: 5.568 min Scan# 735

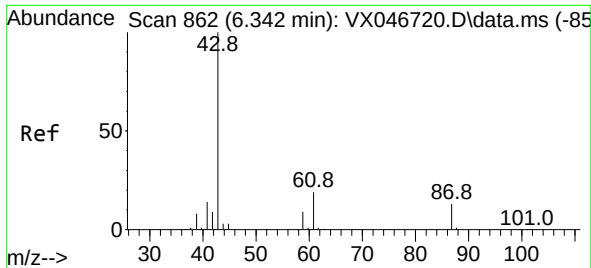
Delta R.T. -0.122 min

Lab File: VX046849.D

Acq: 01 Jul 2025 11:03

Tgt Ion:	117	Resp:	13325
Ion Ratio	Lower	Upper	
117	100		
119	5.2	75.2	112.8#
121	0.0	24.1	36.1#

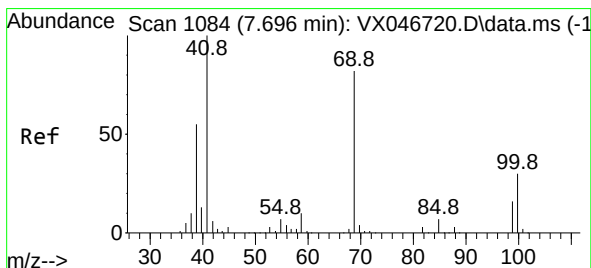
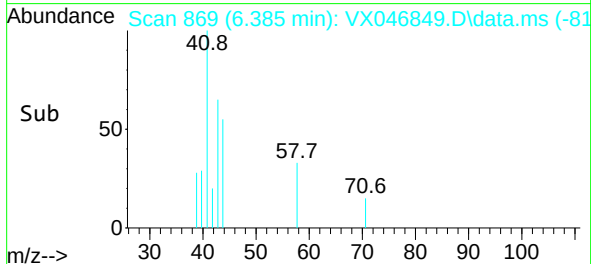
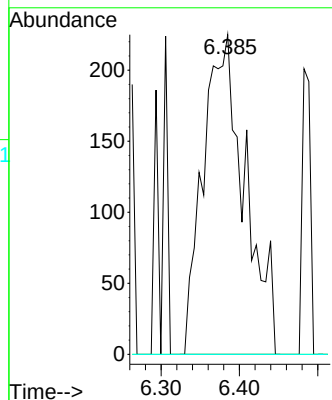
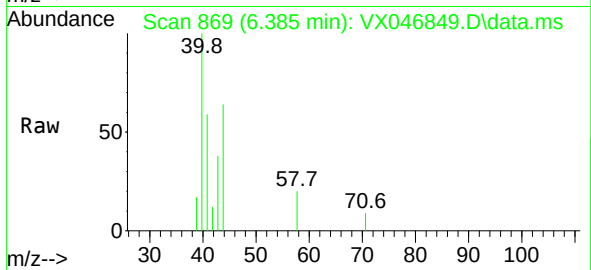




#43
Isopropyl Acetate
Concen: 0.268 ug/l
RT: 6.385 min Scan# 80
Delta R.T. 0.043 min
Lab File: VX046849.D
Acq: 01 Jul 2025 11:03

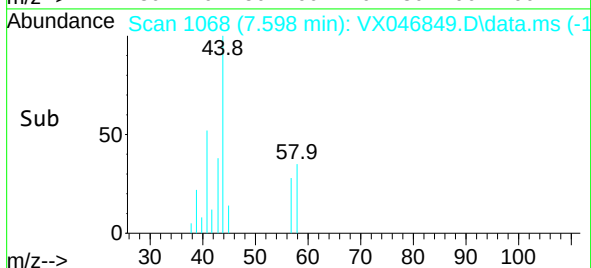
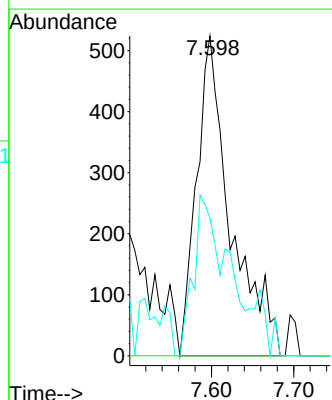
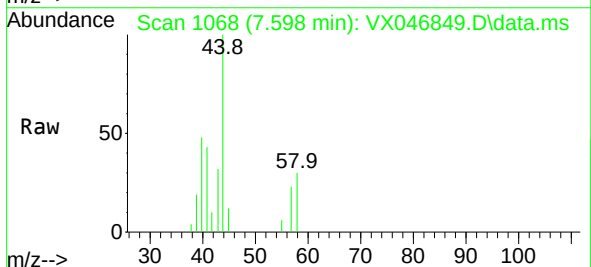
Instrument :
MSVOA_X
ClientSampleId :

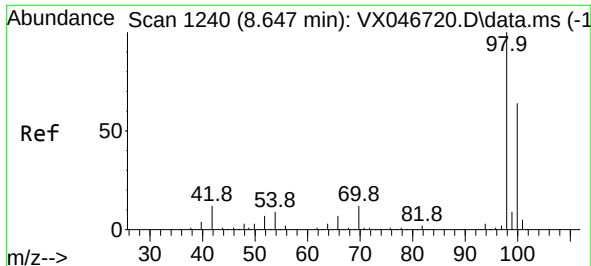
Tgt Ion: 43 Resp: 832
Ion Ratio Lower Upper
43 100
61 0.0 15.3 22.9#
87 0.0 10.0 15.0#



#48
Methyl methacrylate
Concen: 0.971 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX046849.D
Acq: 01 Jul 2025 11:03

Tgt Ion: 41 Resp: 1511
Ion Ratio Lower Upper
41 100
69 0.0 63.4 95.2#
39 32.7 45.4 68.0#

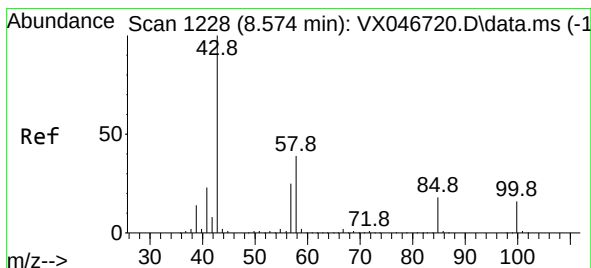
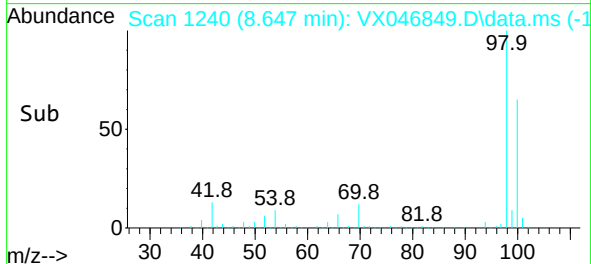
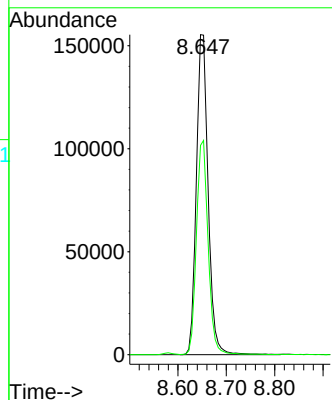
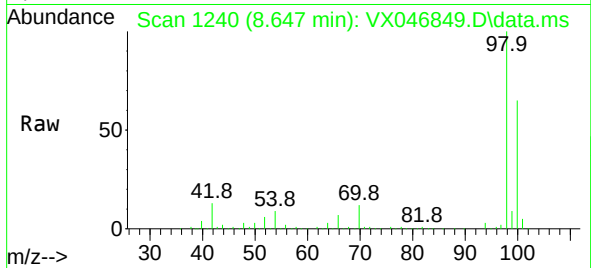




#50
Toluene-d8
Concen: 49.038 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046849.D
Acq: 01 Jul 2025 11:03

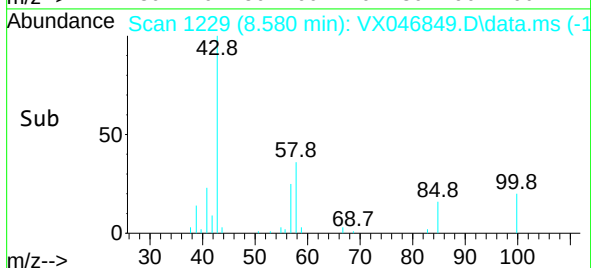
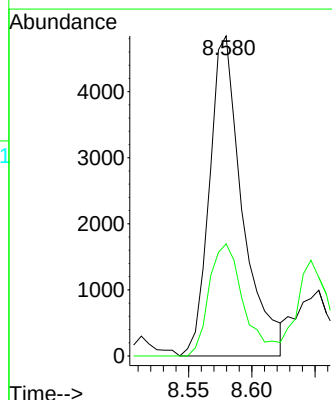
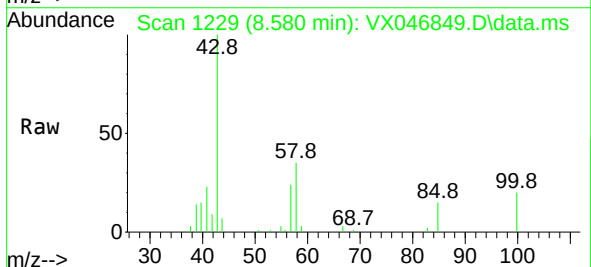
Instrument :
MSVOA_X
ClientSampleId :

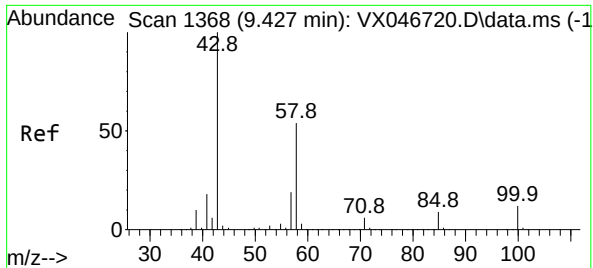
Tgt Ion: 98 Resp: 262232
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 4.739 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX046849.D
Acq: 01 Jul 2025 11:03

Tgt Ion: 43 Resp: 8772
Ion Ratio Lower Upper
43 100
58 37.1 30.8 46.2





#59

2-Hexanone

Concen: 1.654 ug/l

RT: 9.445 min Scan# 11

Delta R.T. 0.018 min

Lab File: VX046849.D

Acq: 01 Jul 2025 11:03

Instrument :

MSVOA_X

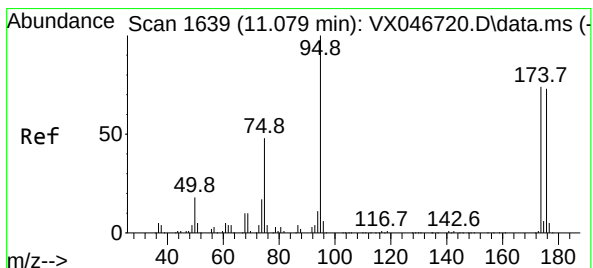
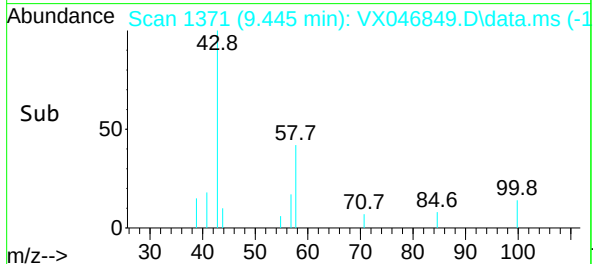
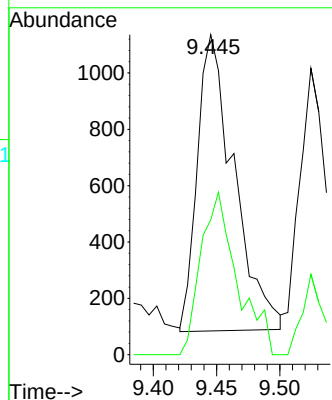
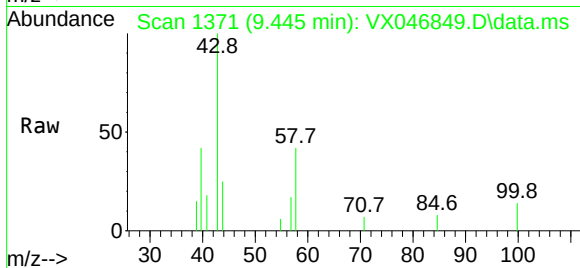
ClientSampleId :

Tgt Ion: 43 Resp: 2117

Ion Ratio Lower Upper

43 100

58 54.3 26.8 80.4



#62

4-Bromofluorobenzene

Concen: 51.569 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046849.D

Acq: 01 Jul 2025 11:03

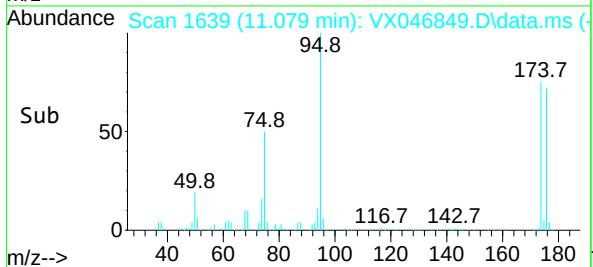
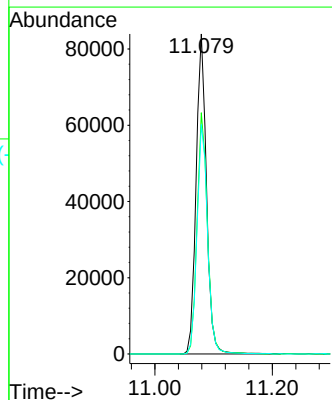
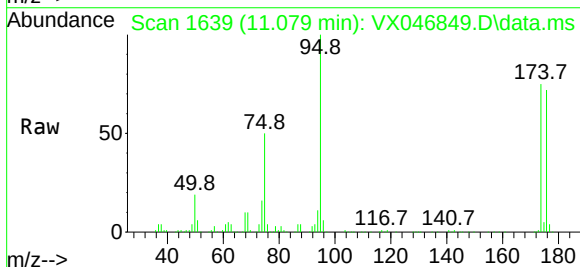
Tgt Ion: 95 Resp: 102796

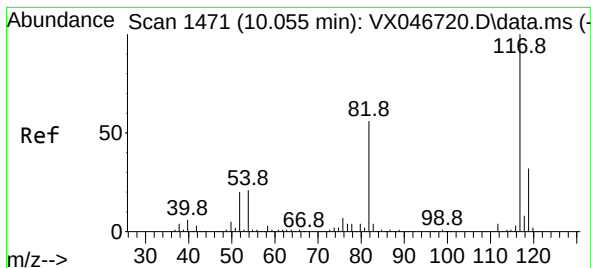
Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.4

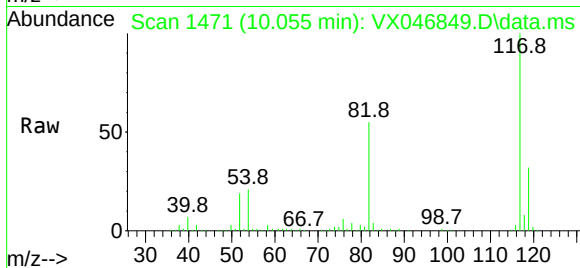
176 72.9 0.0 145.0



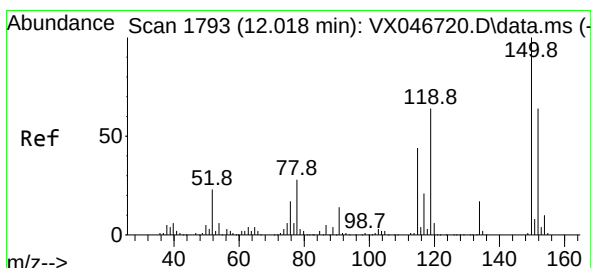
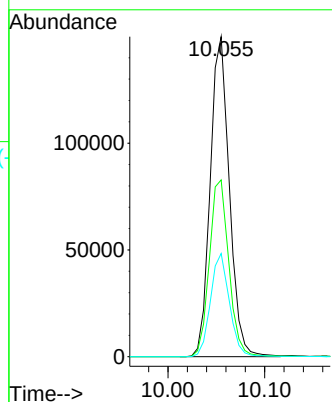
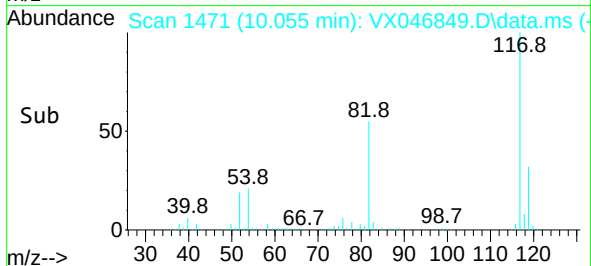


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046849.D
Acq: 01 Jul 2025 11:03

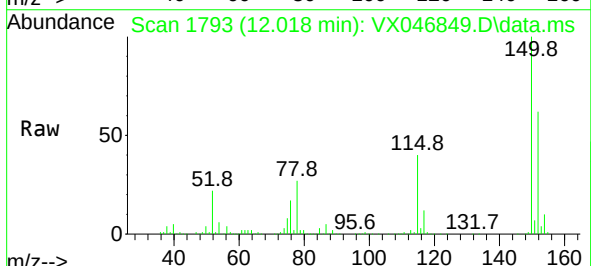
Instrument :
MSVOA_X
ClientSampleId :



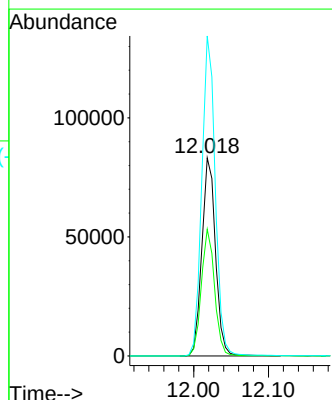
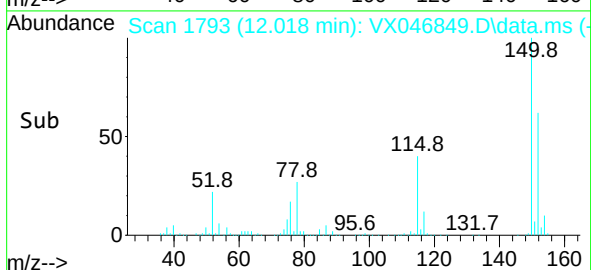
Tgt Ion:117 Resp: 205629
Ion Ratio Lower Upper
117 100
82 55.2 44.6 66.8
119 32.2 25.8 38.8

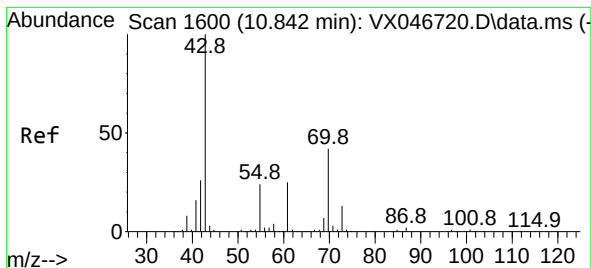


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046849.D
Acq: 01 Jul 2025 11:03



Tgt Ion:152 Resp: 105734
Ion Ratio Lower Upper
152 100
115 62.0 43.2 129.6
150 159.4 0.0 346.8





#74

N-amy1 acetate

Concen: 0.483 ug/l

RT: 10.854 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX046849.D

Acq: 01 Jul 2025 11:03

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 43 Resp: 1424

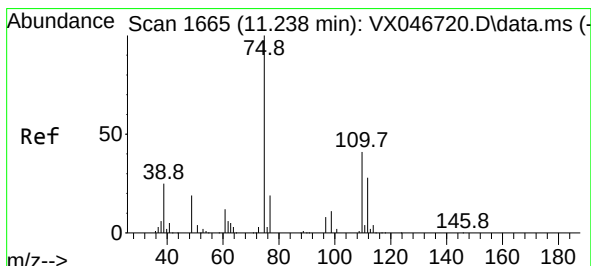
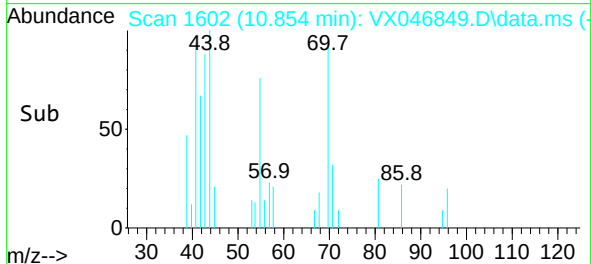
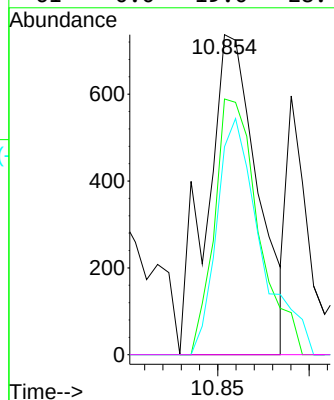
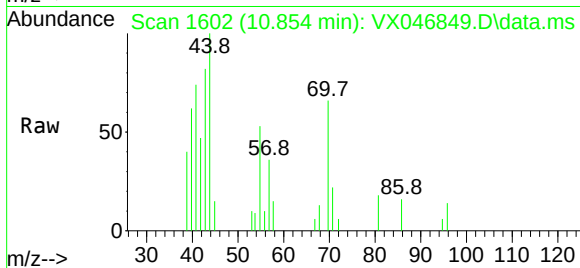
Ion Ratio Lower Upper

43 100

70 69.5 33.4 50.0#

55 63.8 19.1 28.7#

61 0.0 19.0 28.4#



#76

1,2,3-Trichloropropane

Concen: 26.638 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046849.D

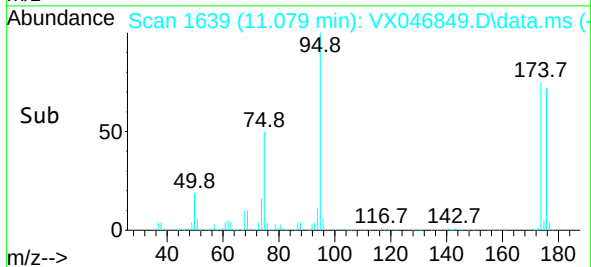
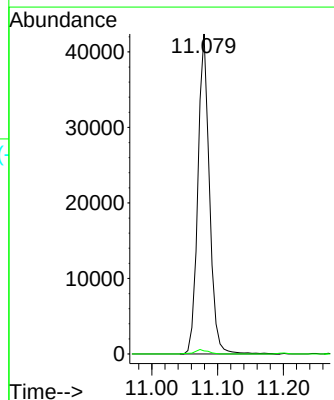
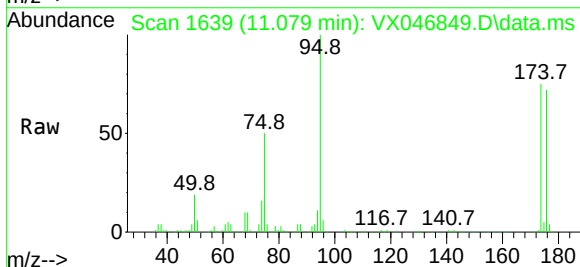
Acq: 01 Jul 2025 11:03

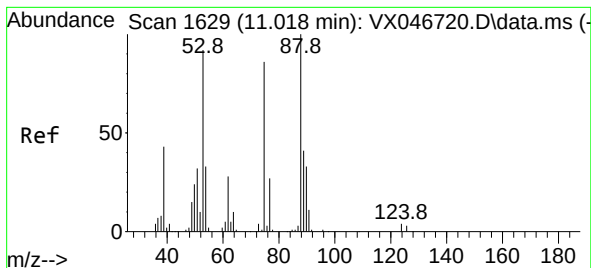
Tgt Ion: 75 Resp: 51586

Ion Ratio Lower Upper

75 100

77 1.6 18.5 55.5#

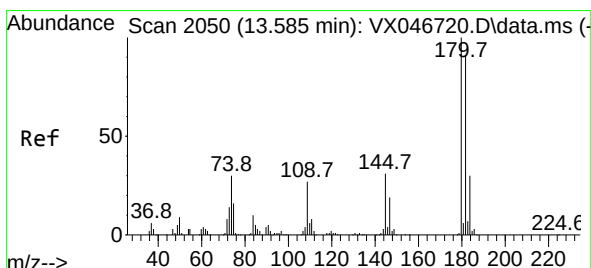
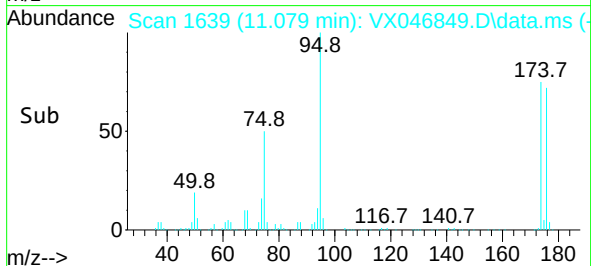
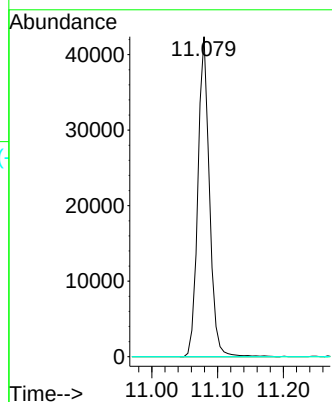
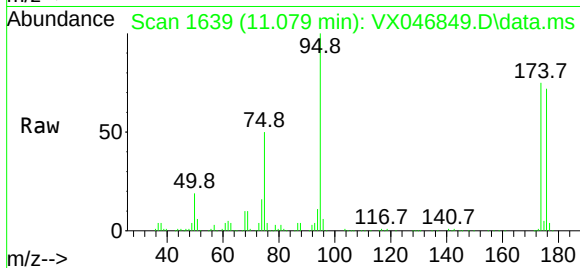




#81
trans-1,4-Dichloro-2-butene
Concen: 75.295 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046849.D
Acq: 01 Jul 2025 11:03

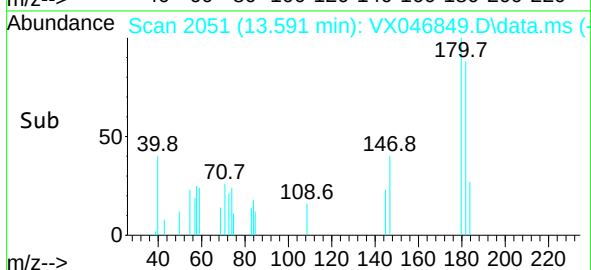
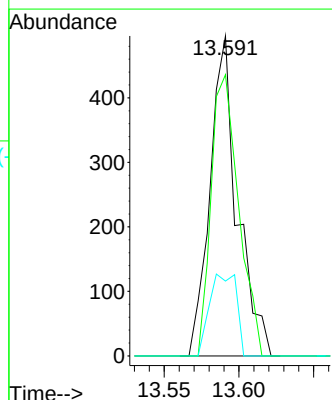
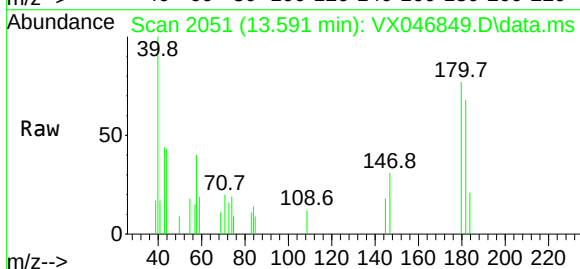
Instrument :
MSVOA_X
ClientSampleId :

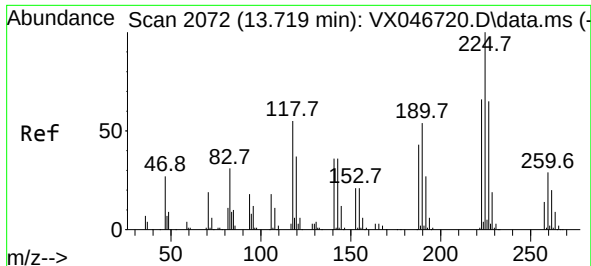
Tgt Ion: 75 Resp: 51586
Ion Ratio Lower Upper
75 100
53 0.0 86.8 130.2#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.259 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX046849.D
Acq: 01 Jul 2025 11:03

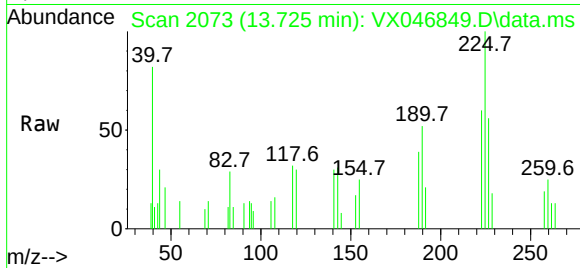
Tgt Ion:180 Resp: 628
Ion Ratio Lower Upper
180 100
182 88.7 46.7 140.1
145 25.3 15.8 47.4



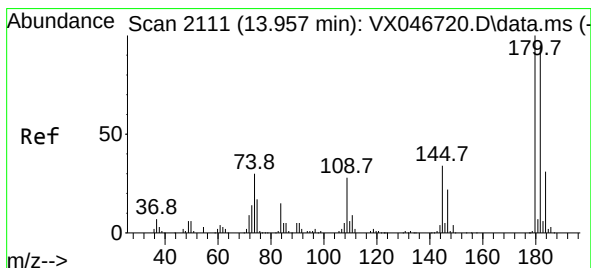
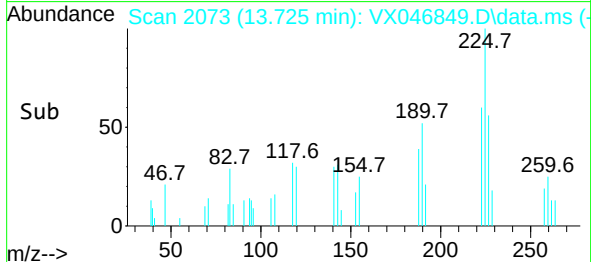
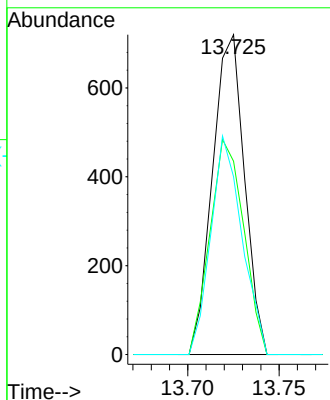


#94
Hexachlorobutadiene
Concen: 0.856 ug/l
RT: 13.725 min Scan# 2072
Delta R.T. 0.006 min
Lab File: VX046849.D
Acq: 01 Jul 2025 11:03

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
225	100		
223	71.3	32.5	97.5
227	66.7	32.2	96.6



#96
1,2,3-Trichlorobenzene
Concen: 0.222 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX046849.D
Acq: 01 Jul 2025 11:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.2	47.8	143.4
145	25.0	17.3	51.9

