

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061325\
 Data File : VX046687.D
 Acq On : 13 Jun 2025 14:31
 Operator : JC/MD
 Sample : PB168429TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB168429TB

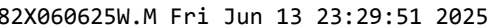
Quant Time: Jun 13 23:29:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

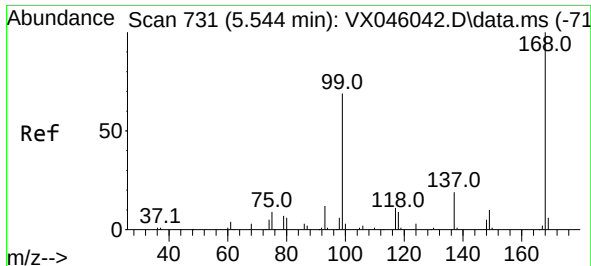
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.568	168	89830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	157982	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	144535	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	78673	49.227	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.460%
35) Dibromofluoromethane	5.404	113	59183	50.941	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.880%
50) Toluene-d8	8.653	98	217573	56.803	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	113.600%#
62) 4-Bromofluorobenzene	11.079	95	83688	52.808	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	105.620%
Target Compounds						
					Qvalue	
6) Chloroethane	1.740	64	470	0.640	ug/l #	58
8) Diethyl Ether	2.148	74	5545	8.382	ug/l	94
10) Methyl Iodide	2.471	142	539	0.422	ug/l #	86
11) Tert butyl alcohol	2.965	59	783	4.415	ug/l #	72
16) Acetone	2.392	43	23082	40.698	ug/l	91
17) Carbon Disulfide	2.526	76	986	0.636	ug/l #	76
18) Methyl Acetate	2.721	43	7609	3.997	ug/l	98
20) Methylene Chloride	2.806	84	4488	3.500	ug/l	86
25) 2-Butanone	4.587	43	7935	8.919	ug/l #	86
29) Tetrahydrofuran	5.062	42	314	0.559	ug/l #	49
31) Cyclohexane	5.556	56	2203	1.186	ug/l #	49
36) 1,1-Dichloropropene	5.556	75	7668	4.621	ug/l #	52
37) Ethyl Acetate	4.751	43	2897	1.789	ug/l #	88
38) Carbon Tetrachloride	5.568	117	9861	5.305	ug/l #	17
43) Isopropyl Acetate	6.361	43	6844	2.424	ug/l #	94
48) Methyl methacrylate	7.800	41	46094	31.727	ug/l #	47
49) 1,4-Dioxane	7.793	88	22	1.132	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	52776	29.412	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	23347	12.555	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	1959	0.962	ug/l #	42
59) 2-Hexanone	9.378	43	8016	6.229	ug/l #	28
74) N-amyl acetate	10.781	43	1217	0.499	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	44198	29.605	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	44198	85.398	ug/l #	1

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

Quant Time: Jun 13 23:29:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

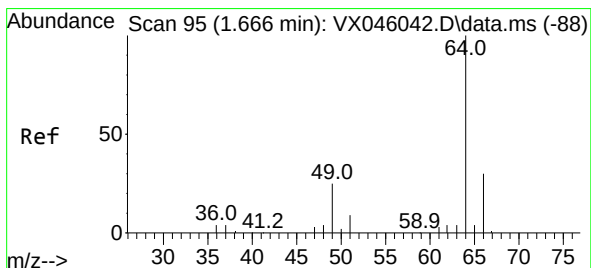
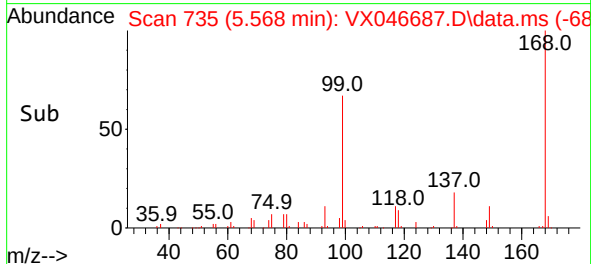
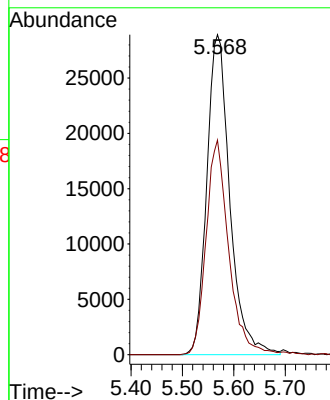
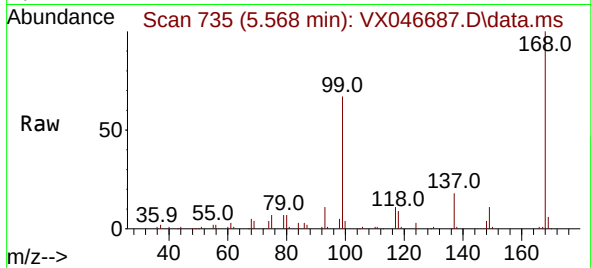




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046687.D
Acq: 13 Jun 2025 14:31

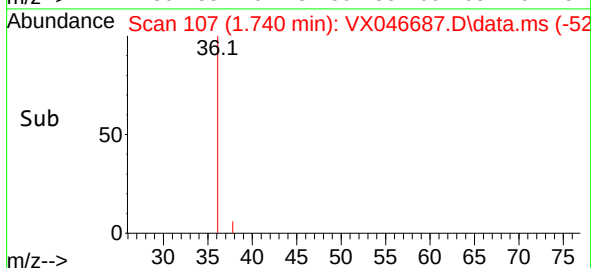
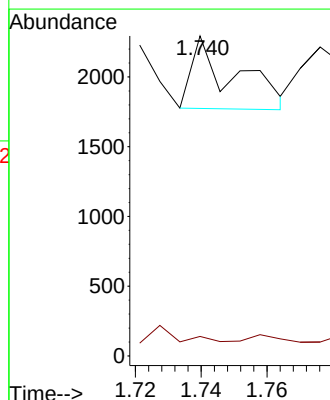
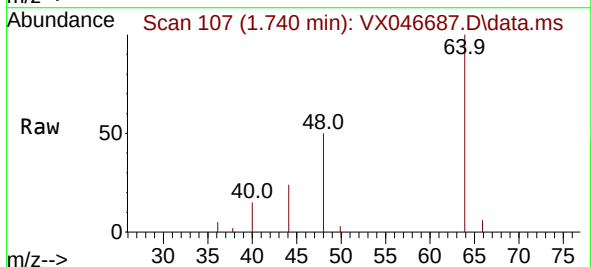
Instrument :
MSVOA_X
ClientSampleId :
PB168429TB

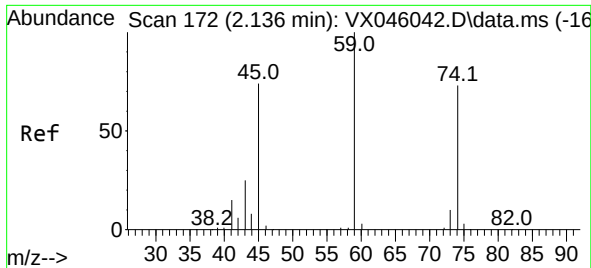
Tgt Ion:168 Resp: 89830
Ion Ratio Lower Upper
168 100
99 67.0 54.9 82.3



#6
Chloroethane
Concen: 0.640 ug/l
RT: 1.740 min Scan# 107
Delta R.T. 0.037 min
Lab File: VX046687.D
Acq: 13 Jun 2025 14:31

Tgt Ion: 64 Resp: 470
Ion Ratio Lower Upper
64 100
66 7.5 24.3 36.5

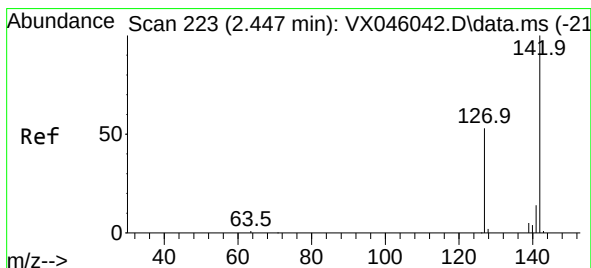
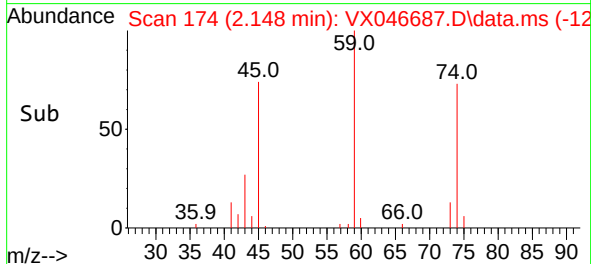
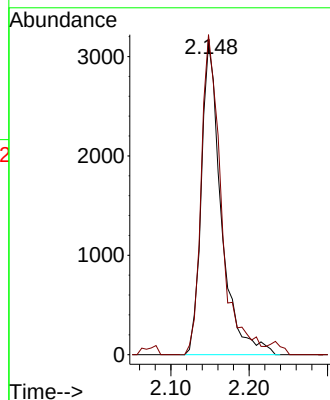
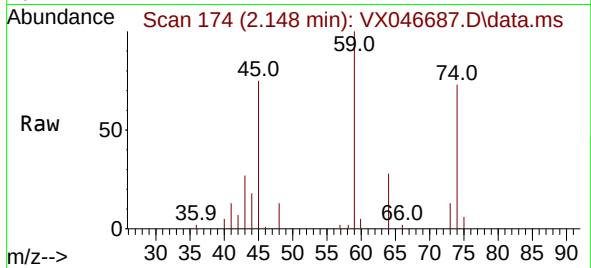




#8
Diethyl Ether
Concen: 8.382 ug/l
RT: 2.148 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046687.D
Acq: 13 Jun 2025 14:31

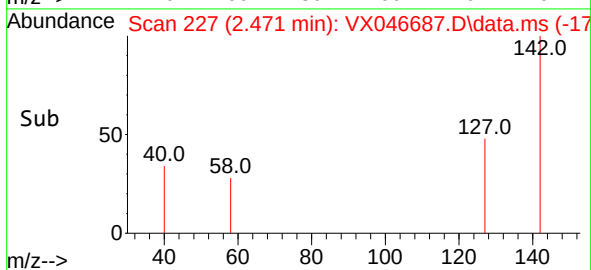
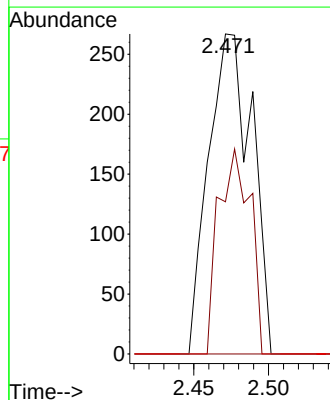
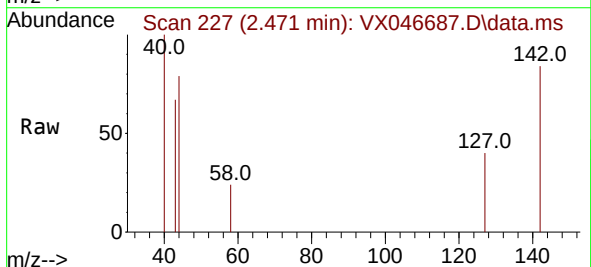
Instrument :
MSVOA_X
ClientSampleId :
PB168429TB

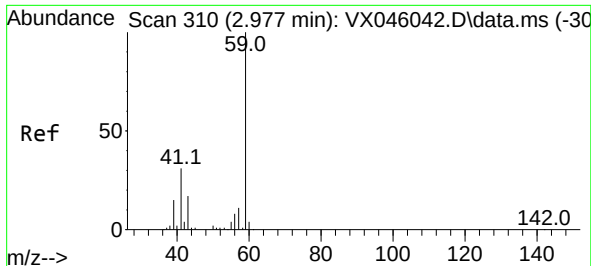
Tgt Ion: 74 Resp: 5545
Ion Ratio Lower Upper
74 100
45 103.8 54.9 164.8



#10
Methyl Iodide
Concen: 0.422 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX046687.D
Acq: 13 Jun 2025 14:31

Tgt Ion: 142 Resp: 539
Ion Ratio Lower Upper
142 100
127 46.8 41.7 62.5
141 0.0 11.5 17.3#

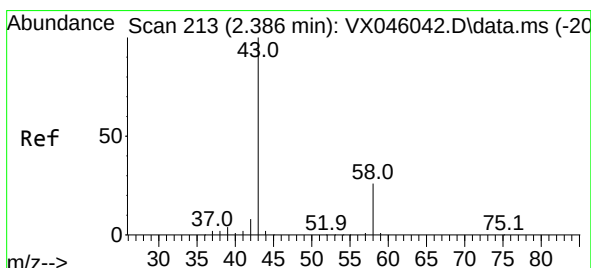
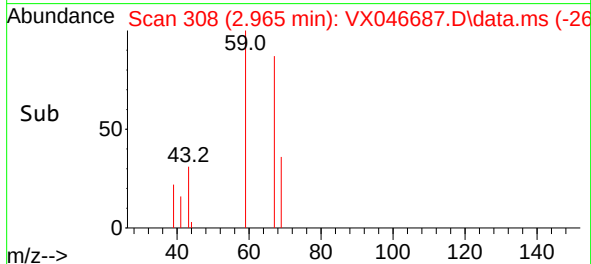
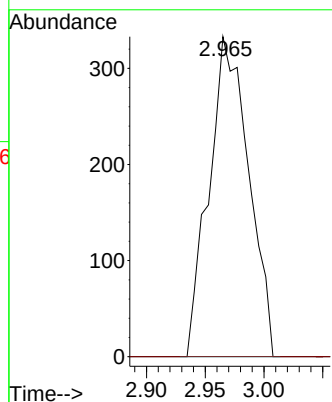
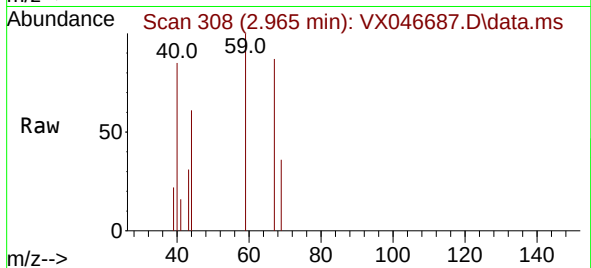




#11
Tert butyl alcohol
Concen: 4.415 ug/l
RT: 2.965 min Scan# 30
Delta R.T. -0.006 min
Lab File: VX046687.D
Acq: 13 Jun 2025 14:31

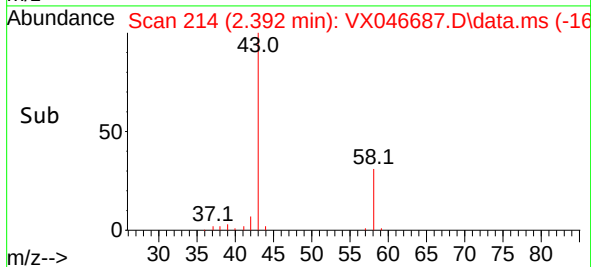
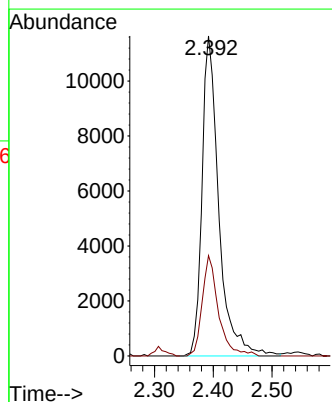
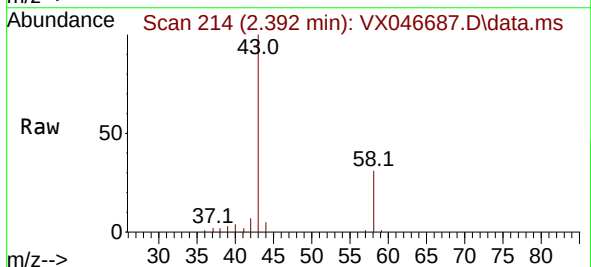
Instrument :
MSVOA_X
ClientSampleId :
PB168429TB

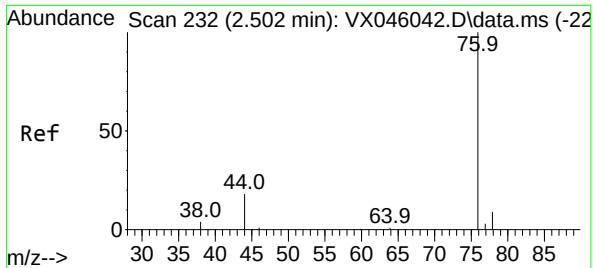
Tgt Ion: 59 Resp: 783
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 40.698 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX046687.D
Acq: 13 Jun 2025 14:31

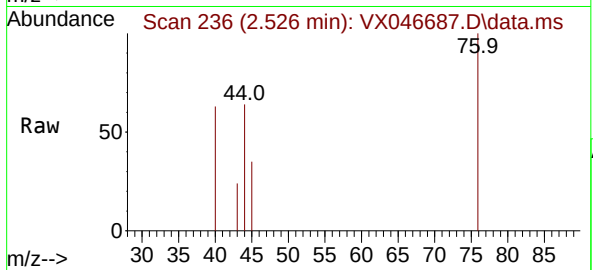
Tgt Ion: 43 Resp: 23082
Ion Ratio Lower Upper
43 100
58 31.4 21.2 31.8



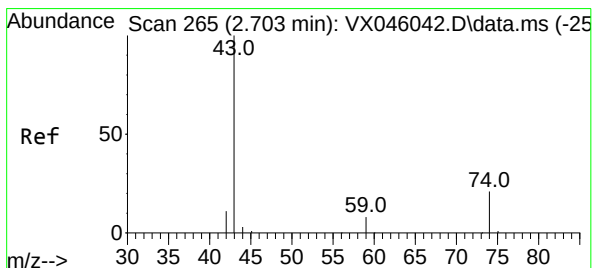
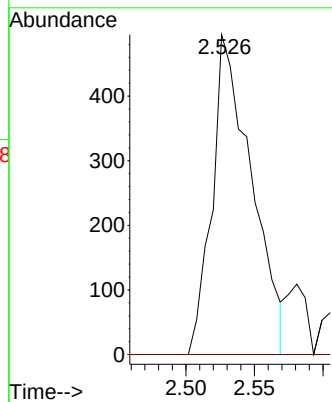
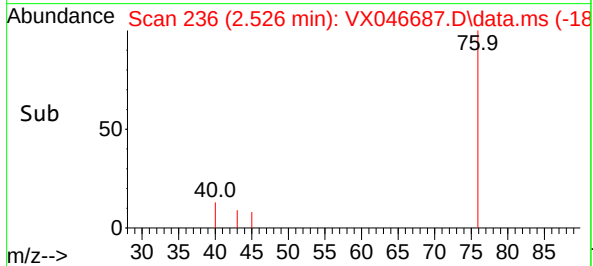


#17
Carbon Disulfide
Concen: 0.636 ug/l
RT: 2.526 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX046687.D
Acq: 13 Jun 2025 14:31

Instrument :
MSVOA_X
ClientSampleId :
PB168429TB

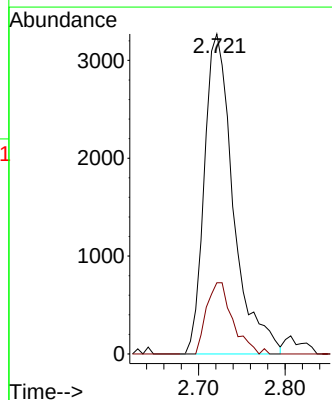
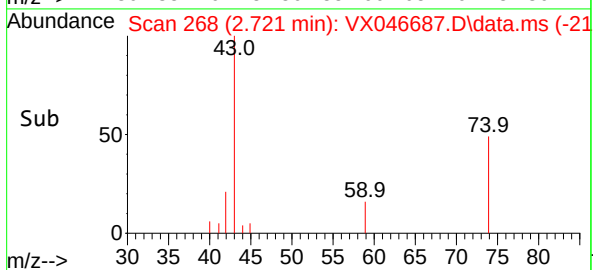
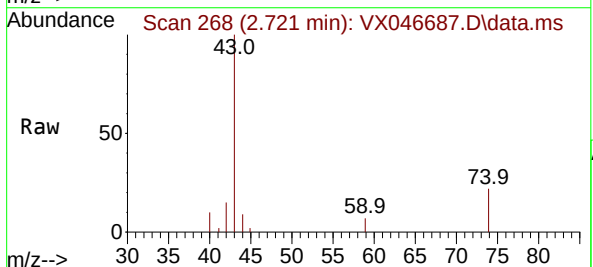


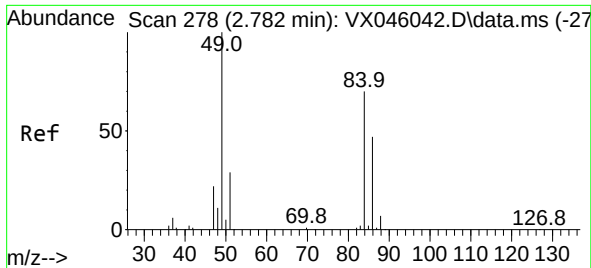
Tgt Ion: 76 Resp: 986
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#18
Methyl Acetate
Concen: 3.997 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.000 min
Lab File: VX046687.D
Acq: 13 Jun 2025 14:31

Tgt Ion: 43 Resp: 7609
Ion Ratio Lower Upper
43 100
74 20.0 16.7 25.1

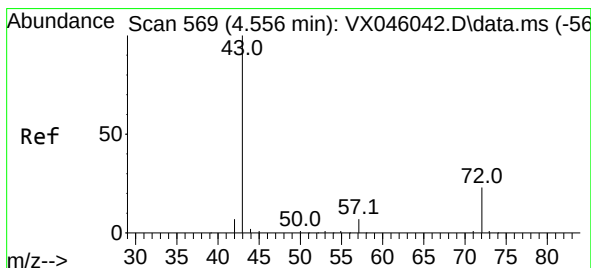
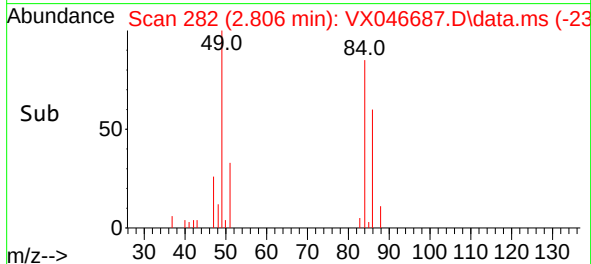
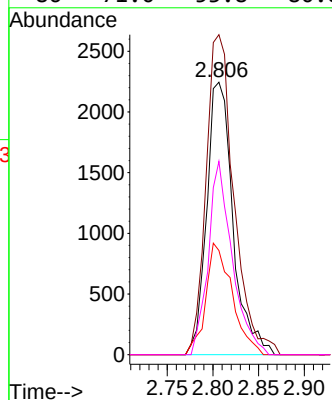
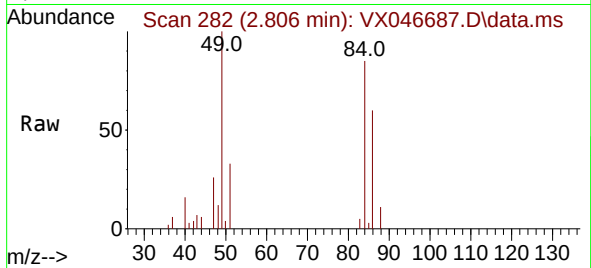




#20
Methylene Chloride
Concen: 3.500 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046687.D
Acq: 13 Jun 2025 14:31

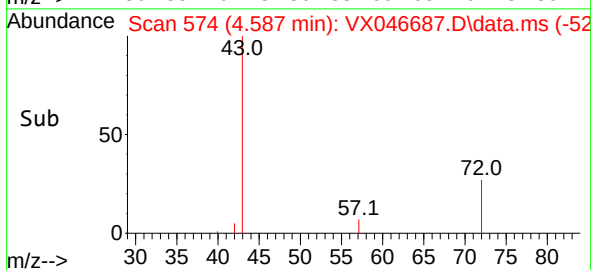
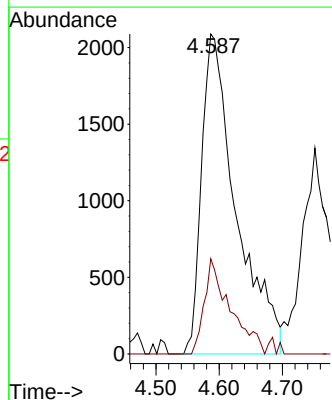
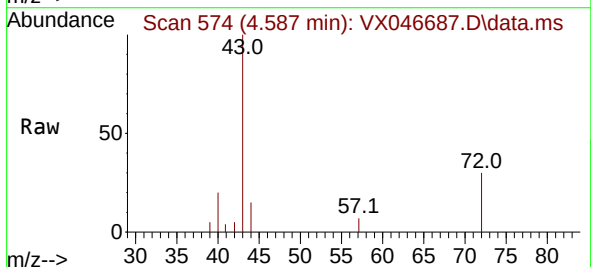
Instrument :
MSVOA_X
ClientSampleId :
PB168429TB

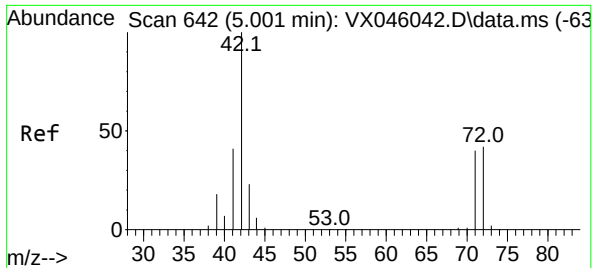
Tgt Ion:	84	Resp:	4488
Ion	Ratio	Lower	Upper
84	100		
49	117.5	113.9	170.9
51	38.3	33.5	50.3
86	71.0	53.8	80.8



#25
2-Butanone
Concen: 8.919 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.013 min
Lab File: VX046687.D
Acq: 13 Jun 2025 14:31

Tgt Ion:	43	Resp:	7935
Ion	Ratio	Lower	Upper
43	100		
72	29.7	18.4	27.6





#29

Tetrahydrofuran

Concen: 0.559 ug/l

RT: 5.062 min Scan# 61

Delta R.T. 0.043 min

Lab File: VX046687.D

Acq: 13 Jun 2025 14:31

Instrument :

MSVOA_X

ClientSampleId :

PB168429TB

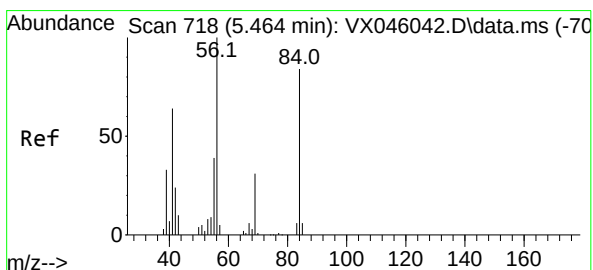
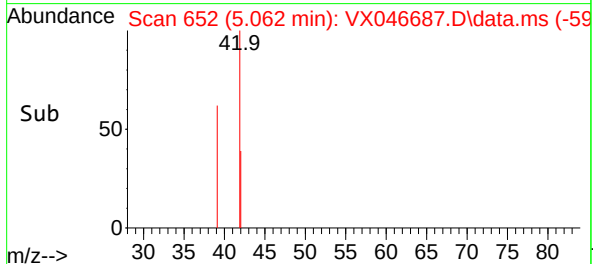
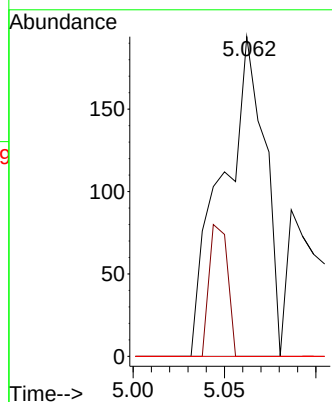
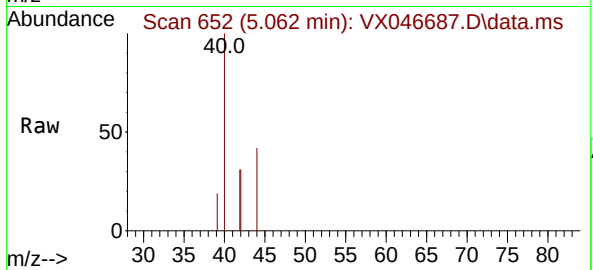
Tgt Ion: 42 Resp: 314

Ion Ratio Lower Upper

42 100

72 17.8 33.7 50.5#

71 0.0 31.4 47.2#



#31

Cyclohexane

Concen: 1.186 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.067 min

Lab File: VX046687.D

Acq: 13 Jun 2025 14:31

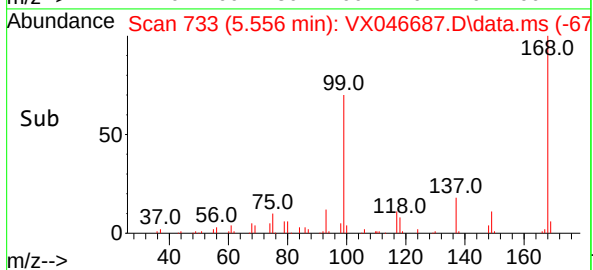
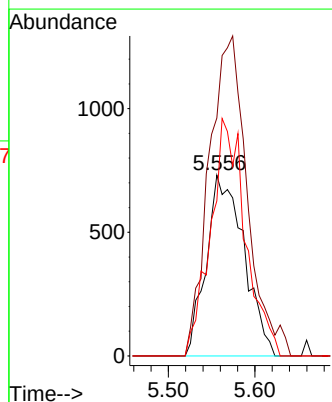
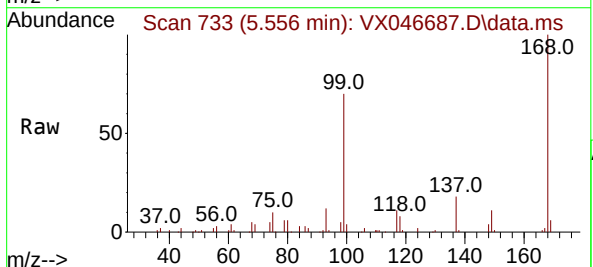
Tgt Ion: 56 Resp: 2203

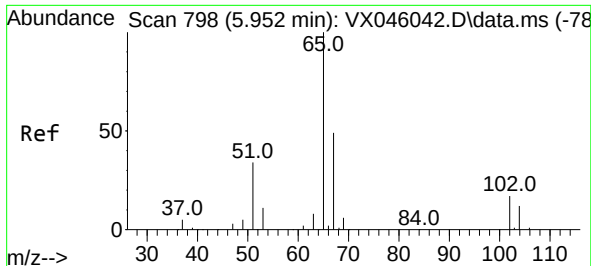
Ion Ratio Lower Upper

56 100

69 131.6 24.4 36.6#

84 85.8 66.9 100.3

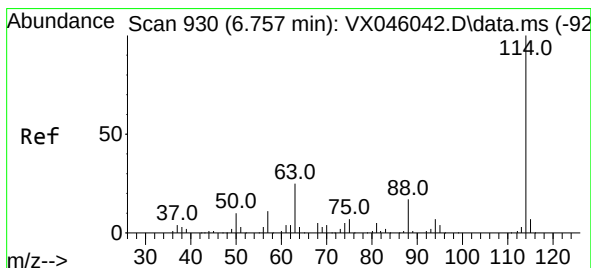
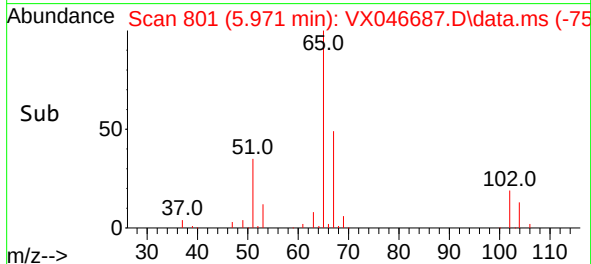
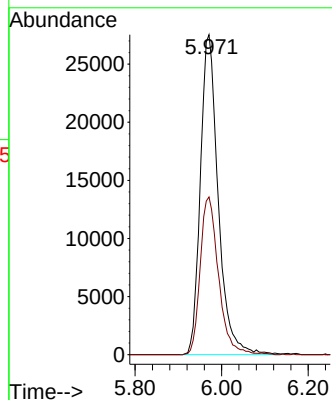
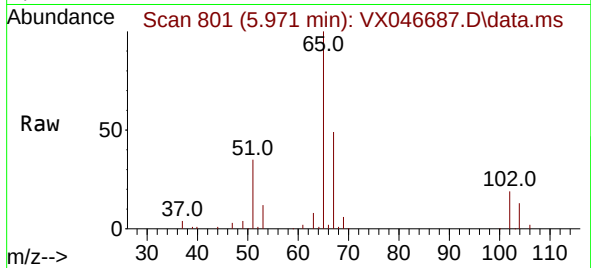




#33
 1,2-Dichloroethane-d4
 Concen: 49.227 ug/l
 RT: 5.971 min Scan# 801
 Delta R.T. 0.001 min
 Lab File: VX046687.D
 Acq: 13 Jun 2025 14:31

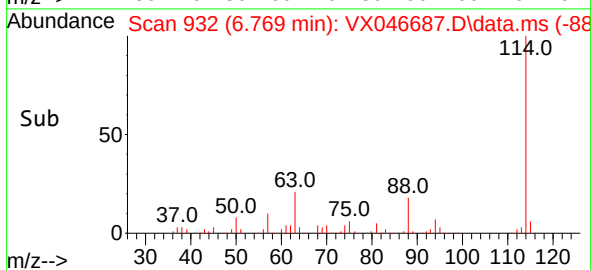
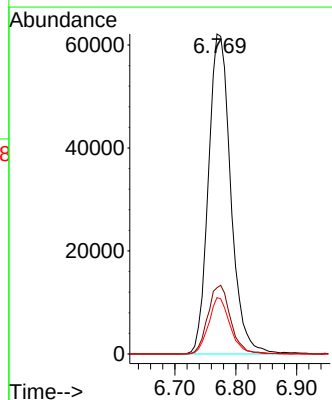
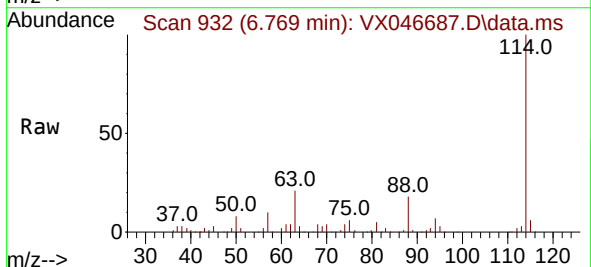
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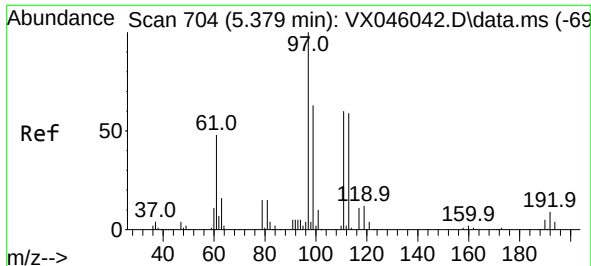
Tgt Ion: 65 Resp: 78673
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.006 min
 Lab File: VX046687.D
 Acq: 13 Jun 2025 14:31

Tgt Ion: 114 Resp: 157982
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 49.2
 88 17.6 0.0 33.6

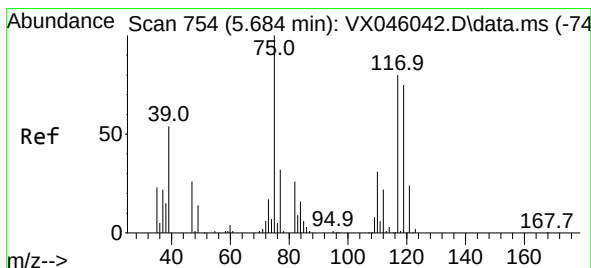
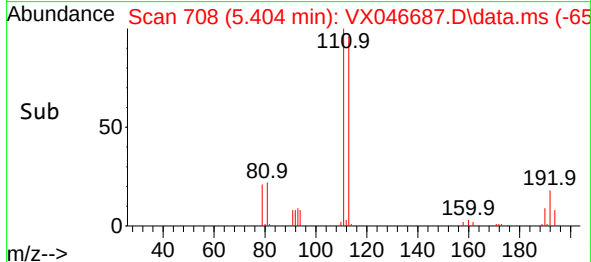
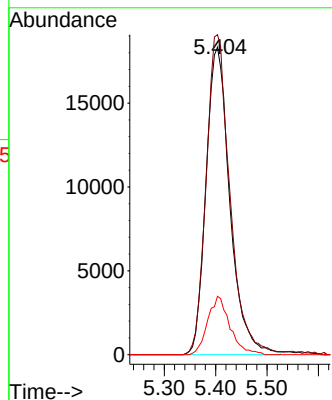
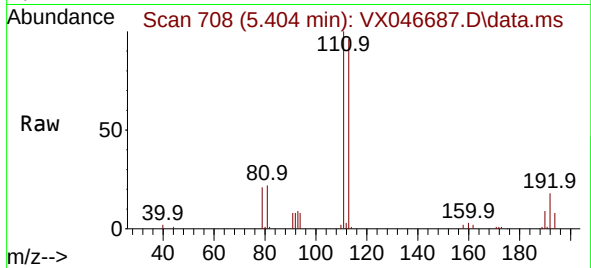




#35
Dibromofluoromethane
Concen: 50.941 ug/l
RT: 5.404 min Scan# 704
Delta R.T. 0.001 min
Lab File: VX046687.D
Acq: 13 Jun 2025 14:31

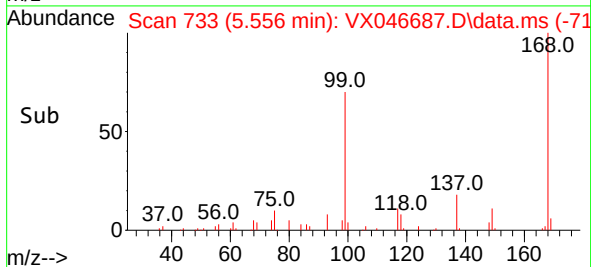
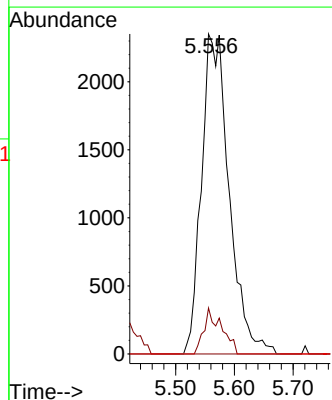
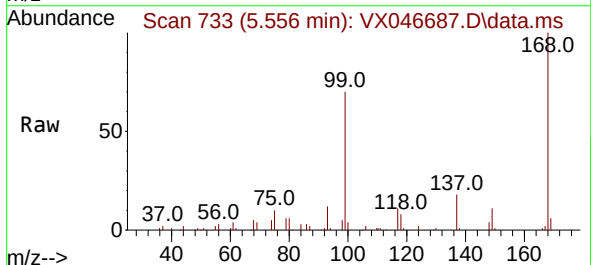
Instrument :
MSVOA_X
ClientSampleId :
PB168429TB

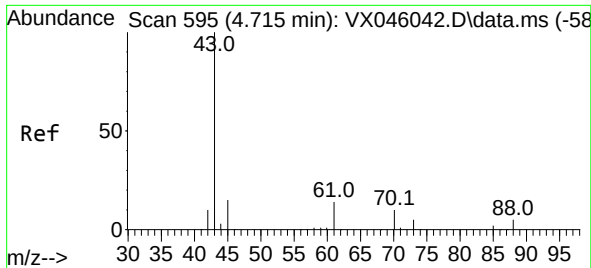
Tgt Ion:113 Resp: 59183
Ion Ratio Lower Upper
113 100
111 103.7 83.1 124.7
192 17.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.621 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.158 min
Lab File: VX046687.D
Acq: 13 Jun 2025 14:31

Tgt Ion: 75 Resp: 7668
Ion Ratio Lower Upper
75 100
110 9.2 16.3 48.9#
77 0.0 24.3 36.5#

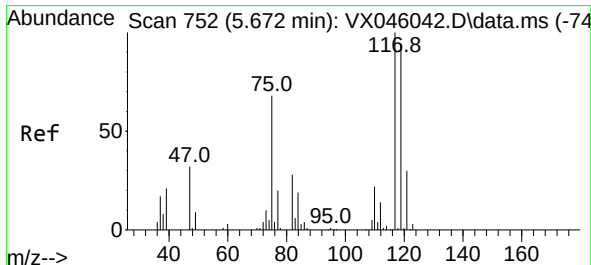
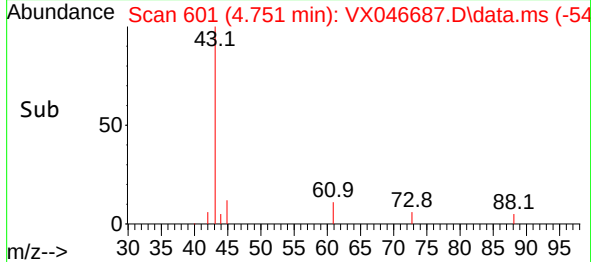
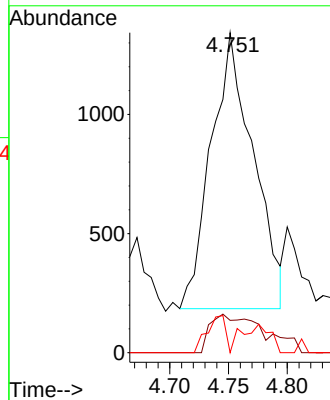
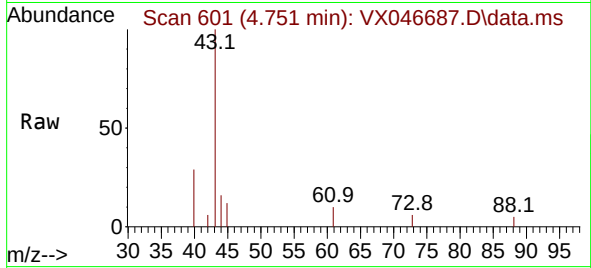




#37
Ethyl Acetate
Concen: 1.789 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.018 min
Lab File: VX046687.D
Acq: 13 Jun 2025 14:31

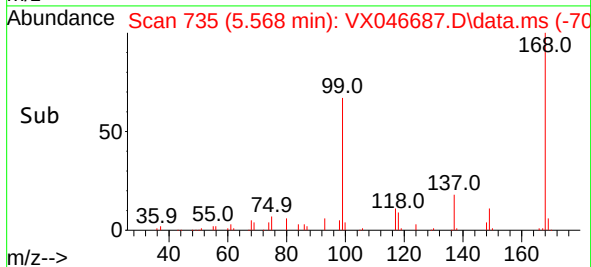
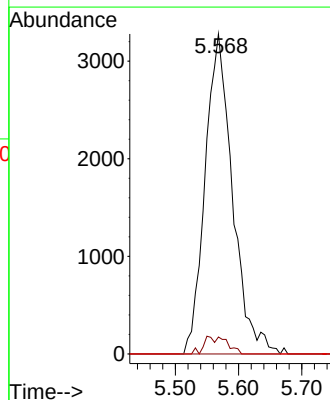
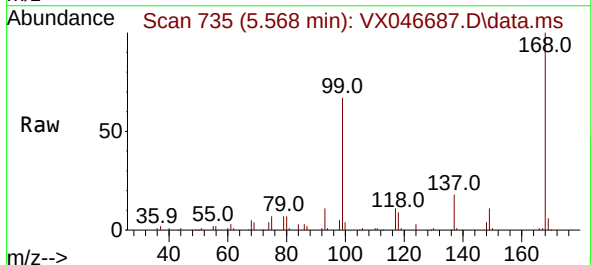
Instrument :
MSVOA_X
ClientSampleId :
PB168429TB

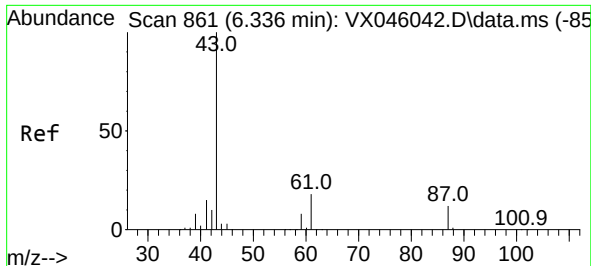
Tgt Ion: 43 Resp: 2897
Ion Ratio Lower Upper
43 100
61 17.8 10.3 15.5#
70 5.9 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 5.305 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.128 min
Lab File: VX046687.D
Acq: 13 Jun 2025 14:31

Tgt Ion: 117 Resp: 9861
Ion Ratio Lower Upper
117 100
119 5.3 75.2 112.8#
121 0.0 24.2 36.4#

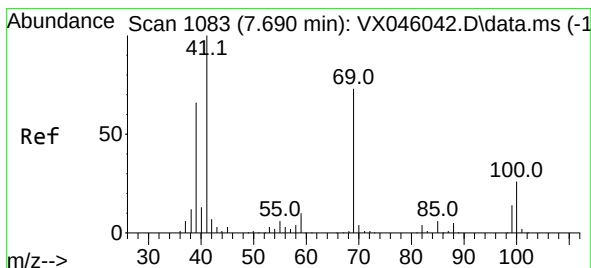
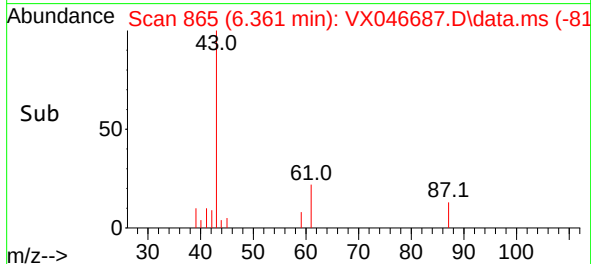
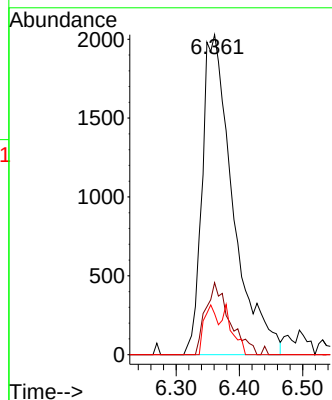
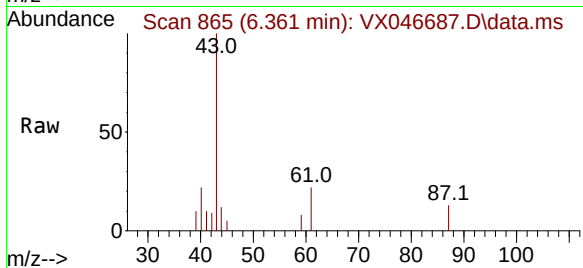




#43
Isopropyl Acetate
Concen: 2.424 ug/l
RT: 6.361 min Scan# 80
Delta R.T. 0.007 min
Lab File: VX046687.D
Acq: 13 Jun 2025 14:31

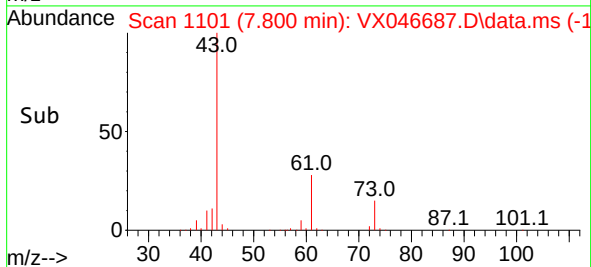
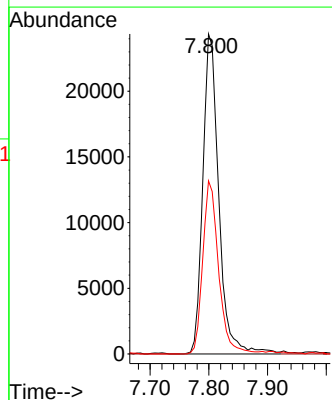
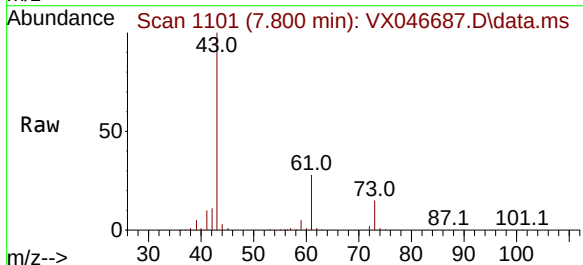
Instrument :
MSVOA_X
ClientSampleId :
PB168429TB

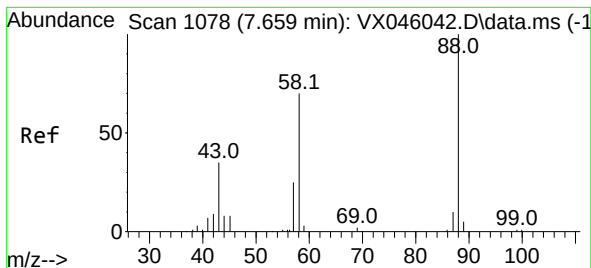
Tgt Ion: 43 Resp: 6844
Ion Ratio Lower Upper
43 100
61 17.7 14.3 21.5
87 6.6 9.5 14.3#



#48
Methyl methacrylate
Concen: 31.727 ug/l
RT: 7.800 min Scan# 1101
Delta R.T. 0.098 min
Lab File: VX046687.D
Acq: 13 Jun 2025 14:31

Tgt Ion: 41 Resp: 46094
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 53.7 51.7 77.5





#49

1,4-Dioxane

Concen: 1.132 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.122 min

Lab File: VX046687.D

Acq: 13 Jun 2025 14:31

Instrument :

MSVOA_X

ClientSampleId :

PB168429TB

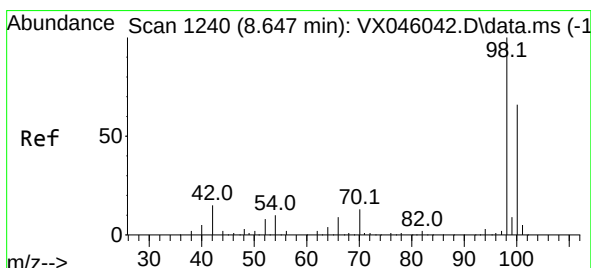
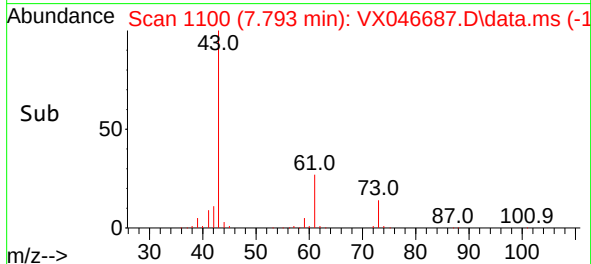
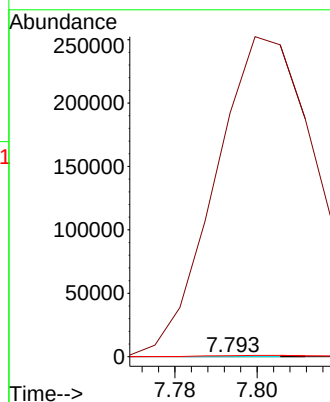
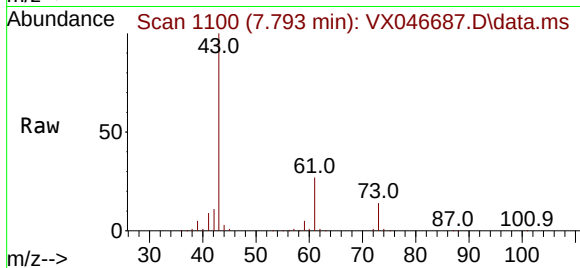
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 2164754.5 33.4 50.2#

58 9604.5 58.6 88.0#



#50

Toluene-d8

Concen: 56.803 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX046687.D

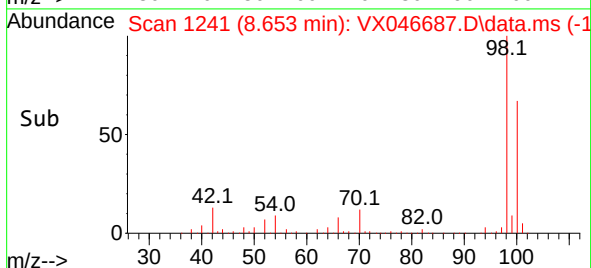
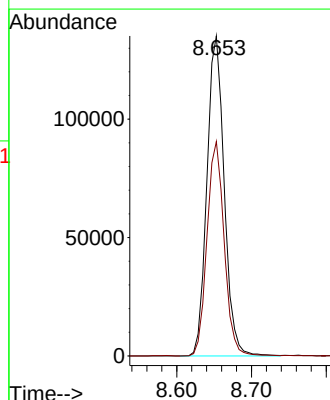
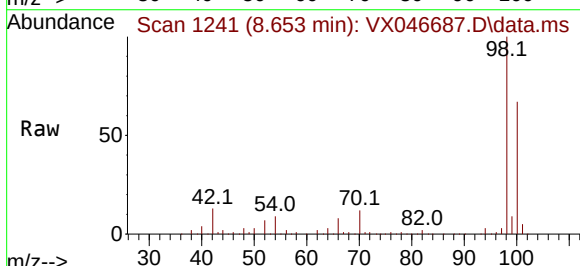
Acq: 13 Jun 2025 14:31

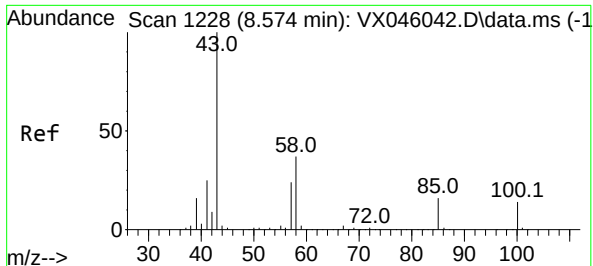
Tgt Ion: 98 Resp: 217573

Ion Ratio Lower Upper

98 100

100 66.6 53.5 80.3





#51

4-Methyl-2-Pentanone

Concen: 29.412 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX046687.D

Acq: 13 Jun 2025 14:31

Instrument :

MSVOA_X

ClientSampleId :

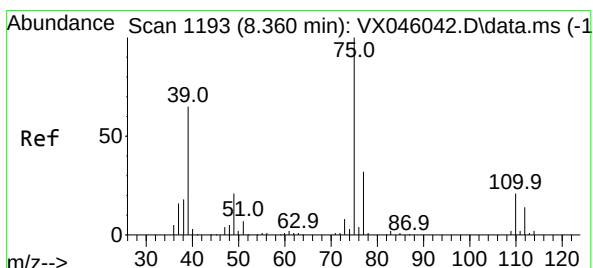
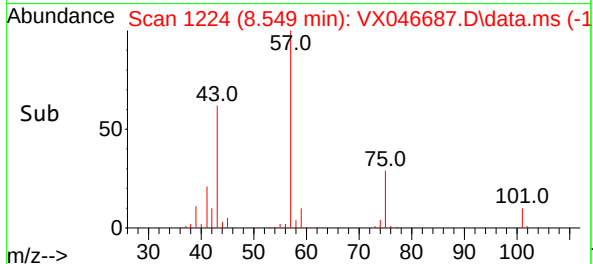
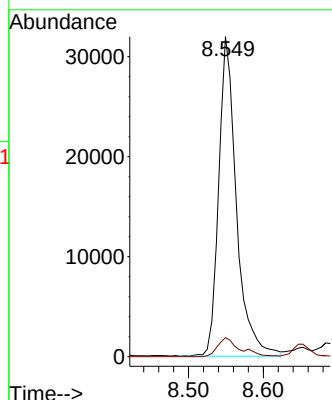
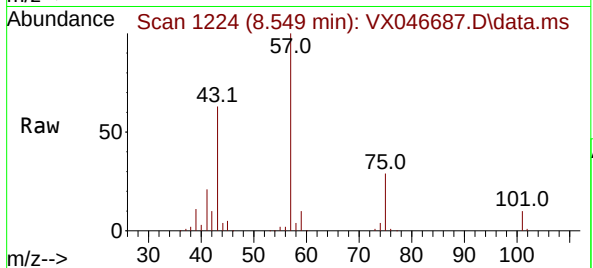
PB168429TB

Tgt Ion: 43 Resp: 52776

Ion Ratio Lower Upper

43 100

58 7.4 28.9 43.3#



#54

cis-1,3-Dichloropropene

Concen: 12.555 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.177 min

Lab File: VX046687.D

Acq: 13 Jun 2025 14:31

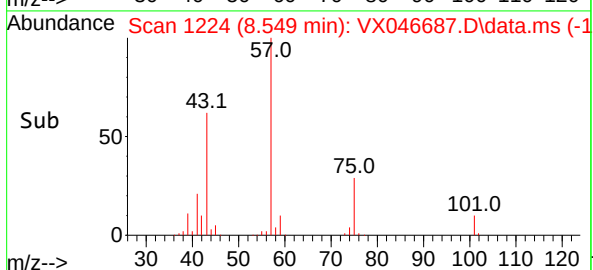
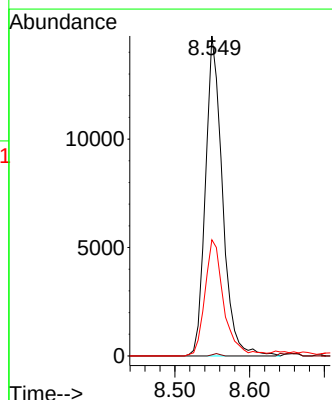
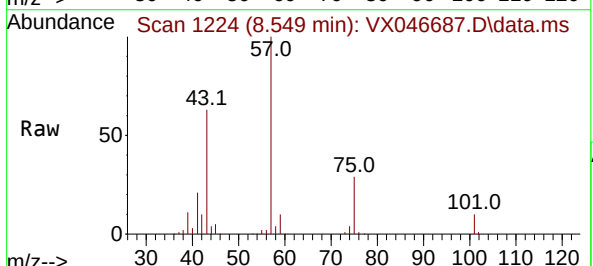
Tgt Ion: 75 Resp: 23347

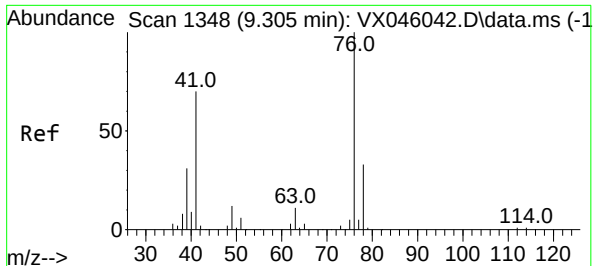
Ion Ratio Lower Upper

75 100

77 0.4 25.4 38.0#

39 36.3 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 0.962 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX046687.D

Acq: 13 Jun 2025 14:31

Instrument :

MSVOA_X

ClientSampleId :

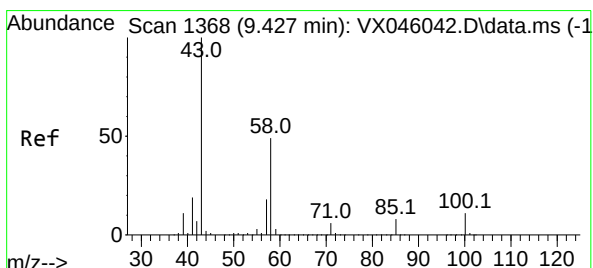
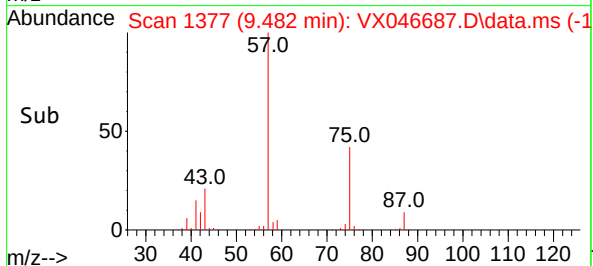
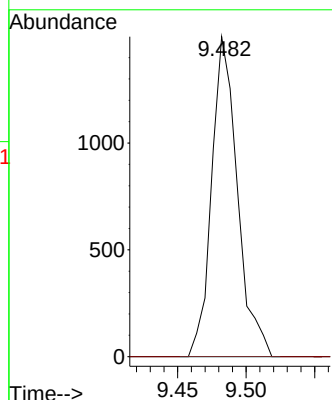
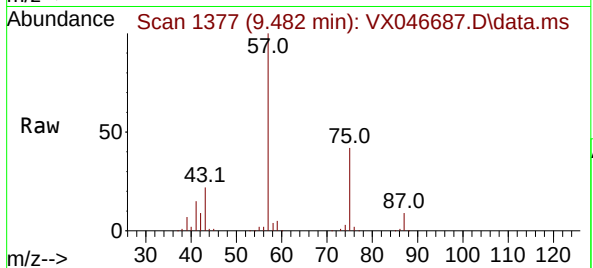
PB168429TB

Tgt Ion: 76 Resp: 1959

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 6.229 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.055 min

Lab File: VX046687.D

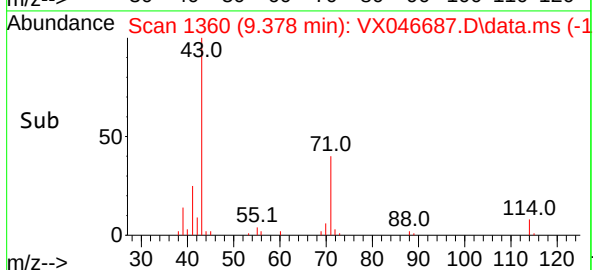
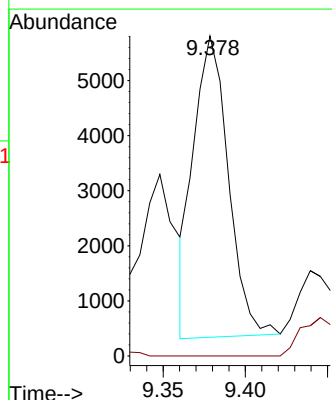
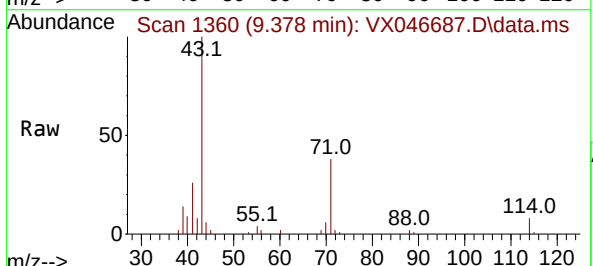
Acq: 13 Jun 2025 14:31

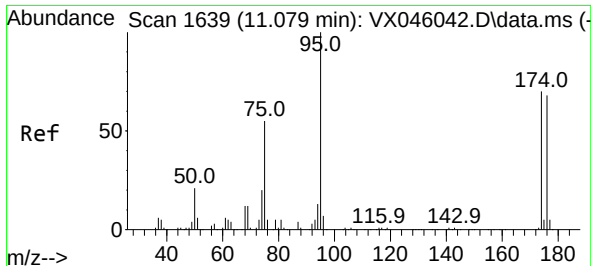
Tgt Ion: 43 Resp: 8016

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

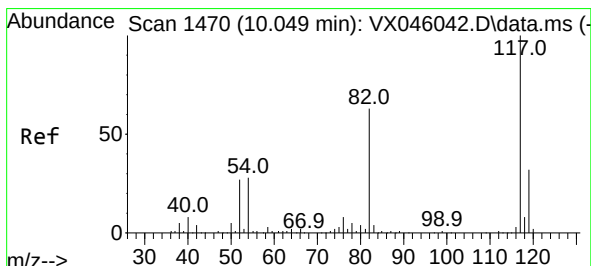
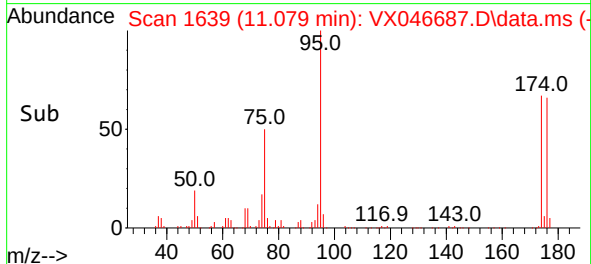
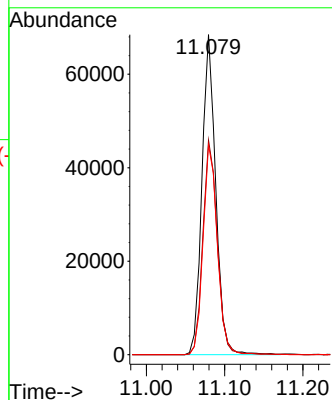
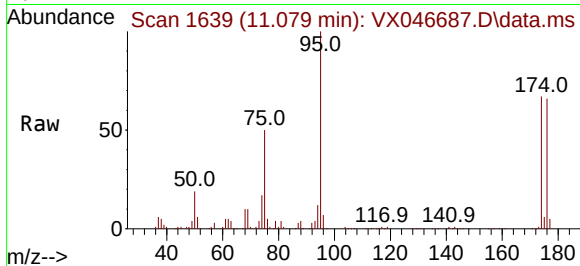




#62
4-Bromofluorobenzene
Concen: 52.808 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046687.D
Acq: 13 Jun 2025 14:31

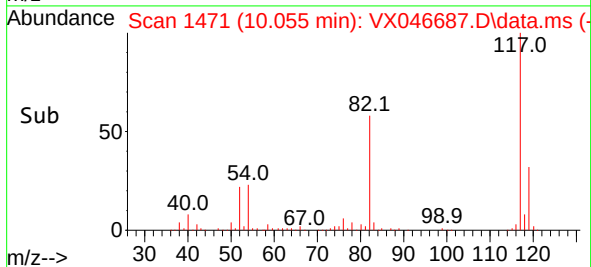
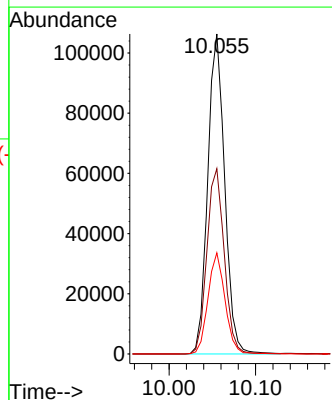
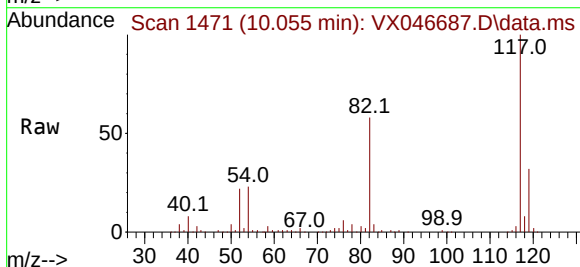
Instrument :
MSVOA_X
ClientSampleId :
PB168429TB

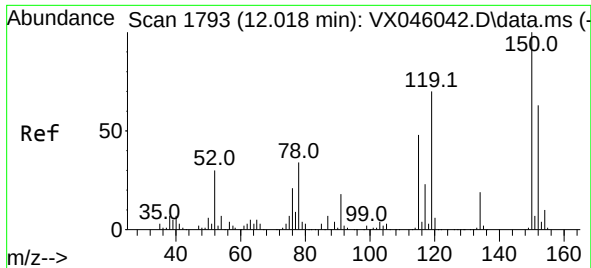
Tgt Ion: 95 Resp: 83688
Ion Ratio Lower Upper
95 100
174 70.2 0.0 135.8
176 68.0 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046687.D
Acq: 13 Jun 2025 14:31

Tgt Ion: 117 Resp: 144535
Ion Ratio Lower Upper
117 100
82 57.9 50.6 76.0
119 31.6 25.8 38.6

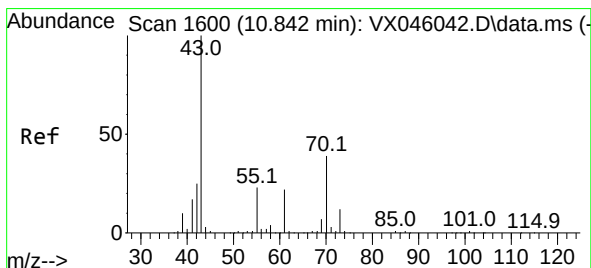
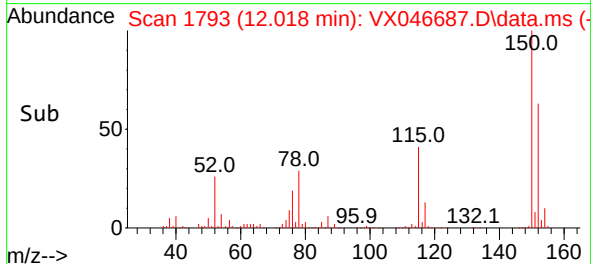
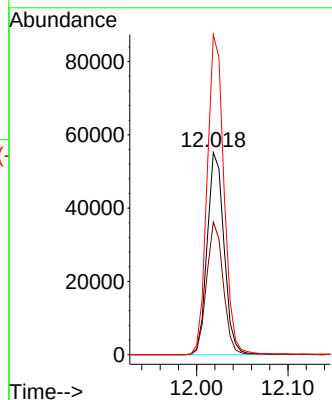
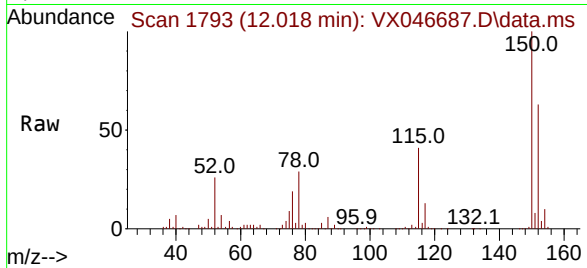




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046687.D
Acq: 13 Jun 2025 14:31

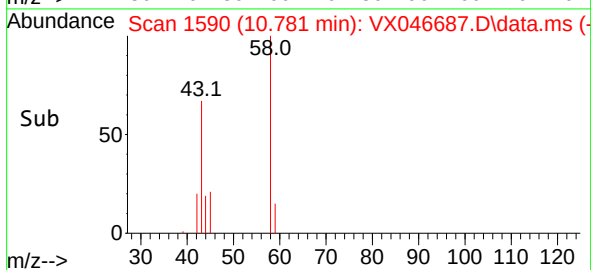
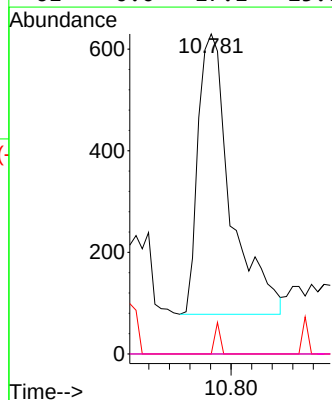
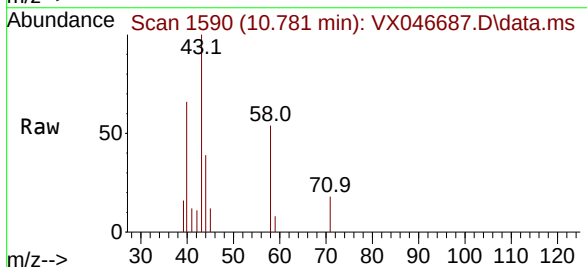
Instrument :
MSVOA_X
ClientSampleId :
PB168429TB

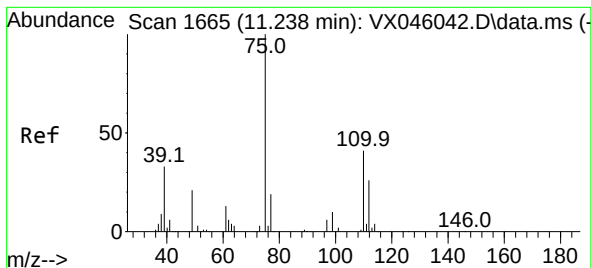
Tgt Ion:152 Resp: 70484
Ion Ratio Lower Upper
152 100
115 65.0 46.9 140.7
150 158.1 0.0 351.0



#74
N-ethyl acetate
Concen: 0.499 ug/l
RT: 10.781 min Scan# 1590
Delta R.T. -0.060 min
Lab File: VX046687.D
Acq: 13 Jun 2025 14:31

Tgt Ion: 43 Resp: 1217
Ion Ratio Lower Upper
43 100
70 0.0 30.9 46.3#
55 1.9 18.7 28.1#
61 0.0 17.1 25.7#





#76

1,2,3-Trichloropropane

Concen: 29.605 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046687.D

Acq: 13 Jun 2025 14:31

Instrument :

MSVOA_X

ClientSampleId :

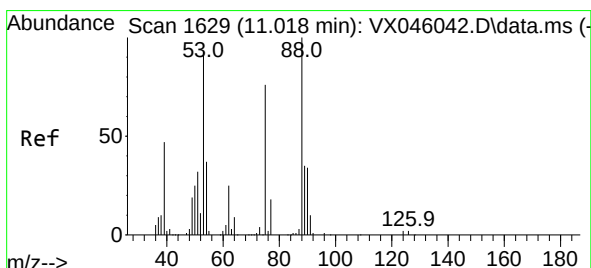
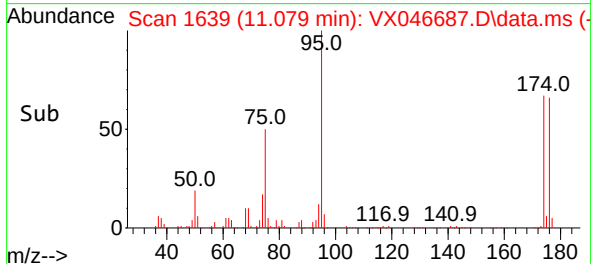
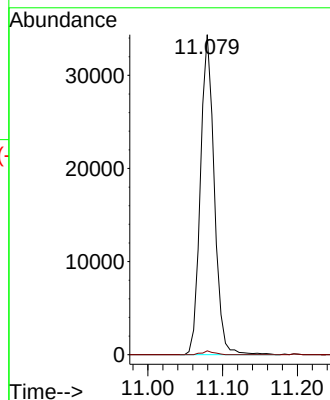
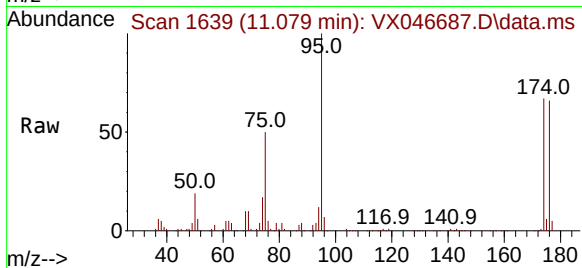
PB168429TB

Tgt Ion: 75 Resp: 44198

Ion Ratio Lower Upper

75 100

77 1.0 20.5 61.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 85.398 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX046687.D

Acq: 13 Jun 2025 14:31

Tgt Ion: 75 Resp: 44198

Ion Ratio Lower Upper

75 100

53 0.0 100.5 150.7#

89 0.1 37.0 55.6#

