

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060925\
 Data File : VX046576.D
 Acq On : 09 Jun 2025 14:02
 Operator : JC/MD
 Sample : PB168334TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB168334TB

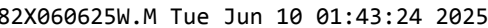
Quant Time: Jun 10 01:43:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

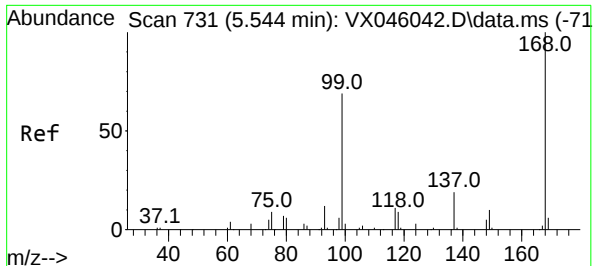
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.568	168	112492	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	203089	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	183743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	89902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	97720	48.827	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.660%
35) Dibromofluoromethane	5.397	113	72136	48.300	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.600%
50) Toluene-d8	8.653	98	258103	52.418	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.840%
62) 4-Bromofluorobenzene	11.079	95	98032	48.120	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.240%
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.148	74	13449	16.235	ug/l	99
11) Tert butyl alcohol	2.977	59	48	0.216	ug/l #	72
16) Acetone	2.392	43	14698	22.953	ug/l	97
18) Methyl Acetate	2.721	43	10861	4.556	ug/l	99
20) Methylene Chloride	2.800	84	3234	2.014	ug/l	92
25) 2-Butanone	4.599	43	1133	1.017	ug/l	93
29) Tetrahydrofuran	5.062	42	169	0.240	ug/l #	35
31) Cyclohexane	5.568	56	2813	1.209	ug/l #	46
36) 1,1-Dichloropropene	5.562	75	10216	4.789	ug/l #	51
37) Ethyl Acetate	4.751	43	4870	2.339	ug/l	95
38) Carbon Tetrachloride	5.562	117	12948	5.419	ug/l #	17
43) Isopropyl Acetate	6.361	43	5144	1.417	ug/l #	81
48) Methyl methacrylate	7.799	41	44957	24.072	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	60480	26.220	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	24784	10.368	ug/l #	58
57) 1,3-Dichloropropane	9.476	76	1687	0.644	ug/l #	42
59) 2-Hexanone	9.378	43	7836	4.737	ug/l #	28
74) N-amyl acetate	10.640	43	9339	3.001	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	53094	27.882	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	53094	80.429	ug/l #	1

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

Quant Time: Jun 10 01:43:13 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

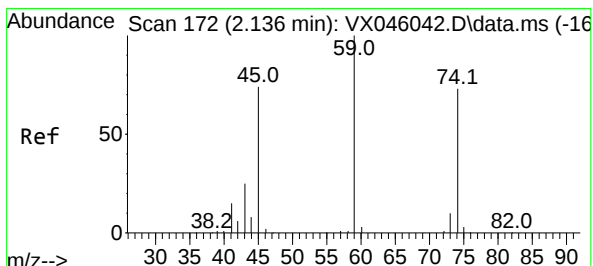
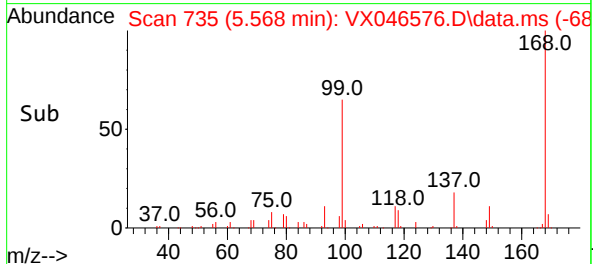
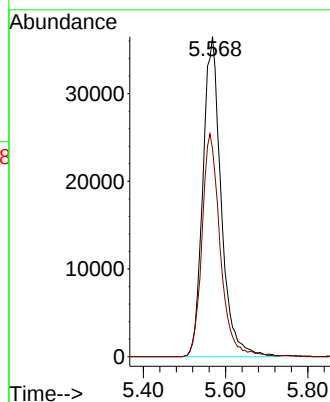
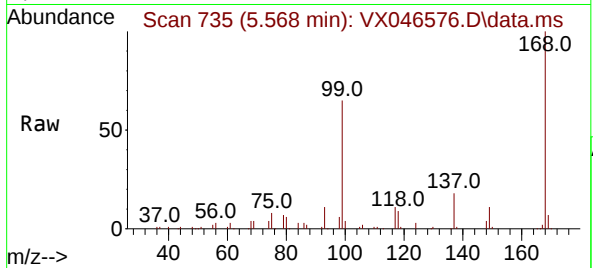




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046576.D
Acq: 09 Jun 2025 14:02

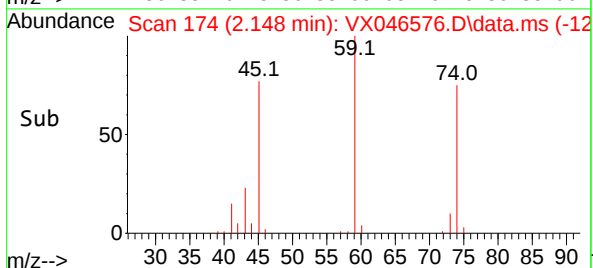
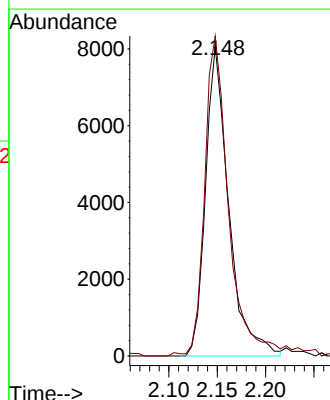
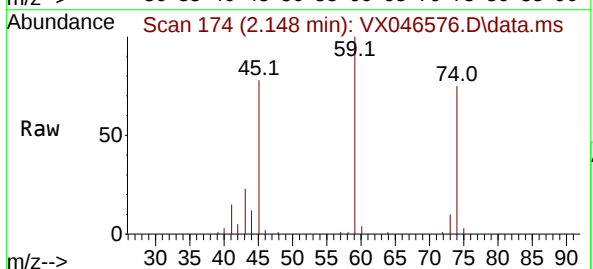
Instrument :
MSVOA_X
ClientSampleId :
PB168334TB

Tgt Ion:168 Resp: 112492
Ion Ratio Lower Upper
168 100
99 64.9 54.9 82.3



#8
Diethyl Ether
Concen: 16.235 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.006 min
Lab File: VX046576.D
Acq: 09 Jun 2025 14:02

Tgt Ion: 74 Resp: 13449
Ion Ratio Lower Upper
74 100
45 109.0 54.9 164.8

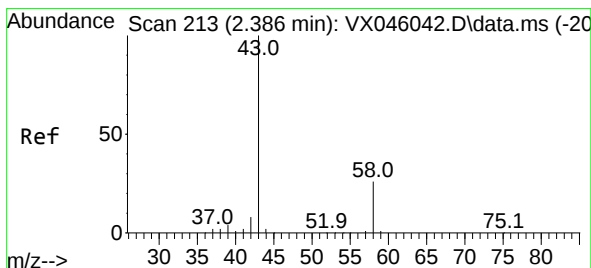
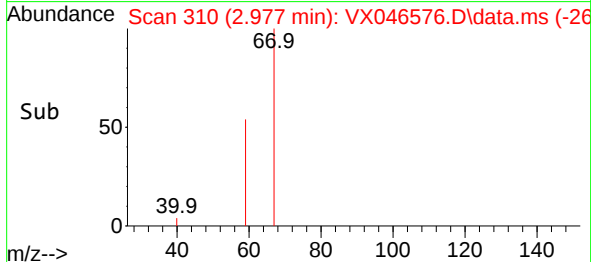
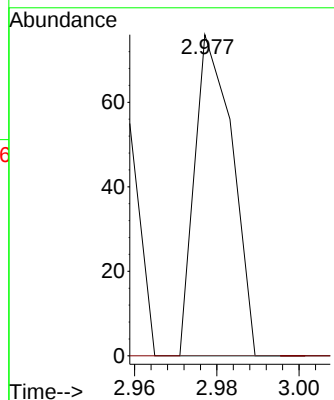
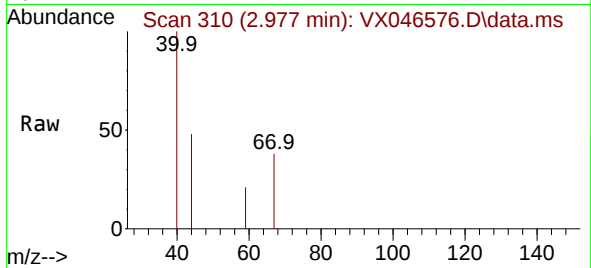




#11
Tert butyl alcohol
Concen: 0.216 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.006 min
Lab File: VX046576.D
Acq: 09 Jun 2025 14:02

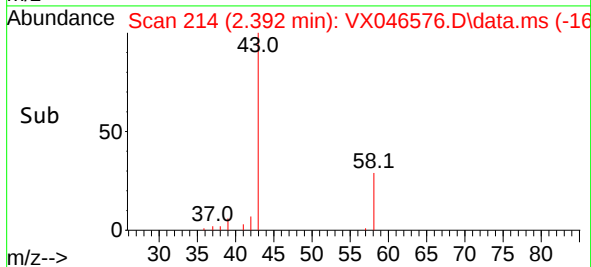
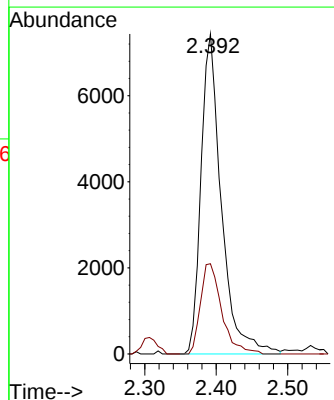
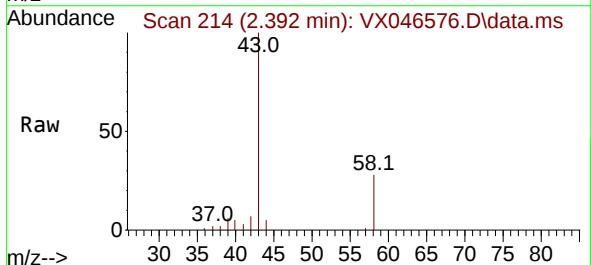
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ClientSampleId :
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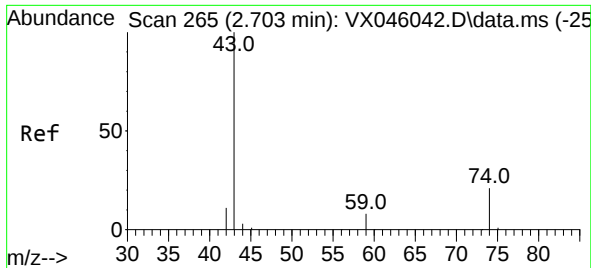
Tgt Ion: 59 Resp: 48
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 22.953 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX046576.D
Acq: 09 Jun 2025 14:02

Tgt Ion: 43 Resp: 14698
Ion Ratio Lower Upper
43 100
58 28.2 21.2 31.8

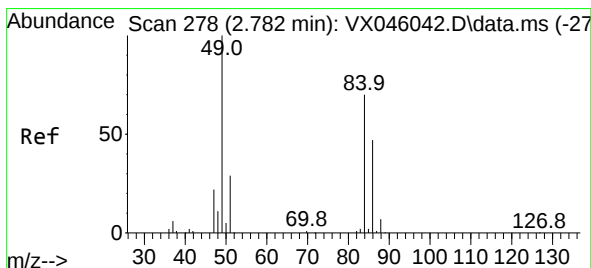
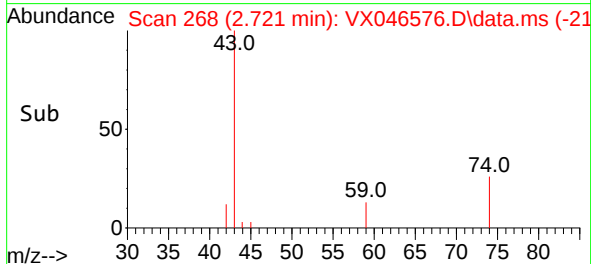
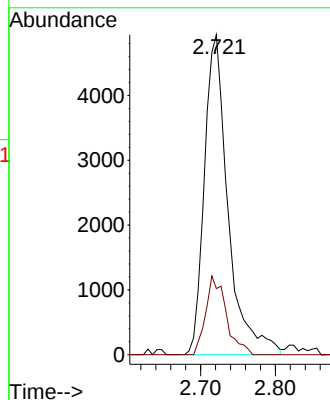
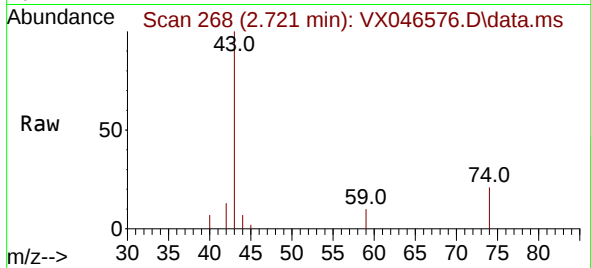




#18
Methyl Acetate
Concen: 4.556 ug/l
RT: 2.721 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX046576.D
Acq: 09 Jun 2025 14:02

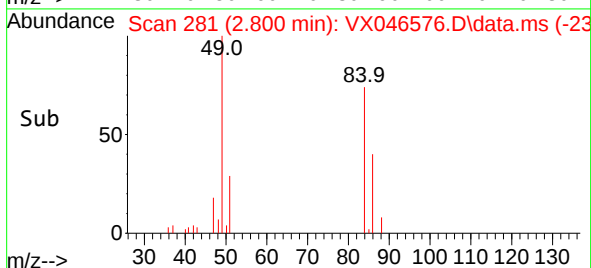
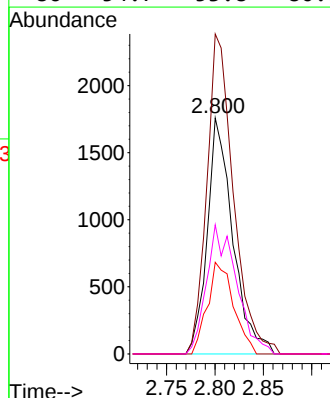
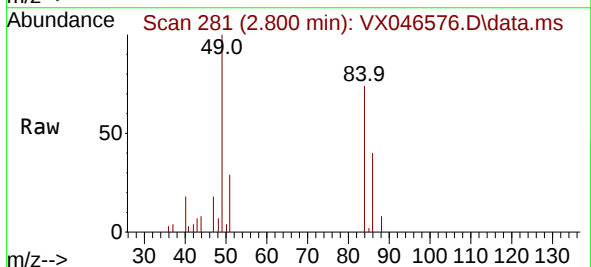
Instrument :
MSVOA_X
ClientSampleId :
PB168334TB

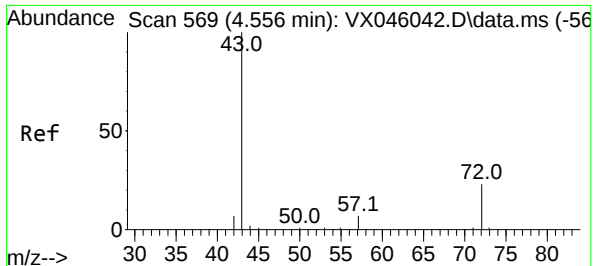
Tgt Ion: 43 Resp: 10861
Ion Ratio Lower Upper
43 100
74 21.3 16.7 25.1



#20
Methylene Chloride
Concen: 2.014 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX046576.D
Acq: 09 Jun 2025 14:02

Tgt Ion: 84 Resp: 3234
Ion Ratio Lower Upper
84 100
49 135.6 113.9 170.9
51 38.8 33.5 50.3
86 54.7 53.8 80.8





#25

2-Butanone

Concen: 1.017 ug/l

RT: 4.599 min Scan# 51

Delta R.T. 0.025 min

Lab File: VX046576.D

Acq: 09 Jun 2025 14:02

Instrument :

MSVOA_X

ClientSampleId :

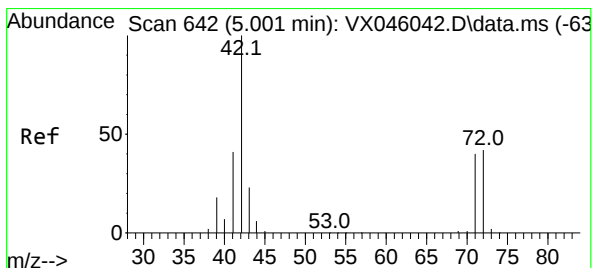
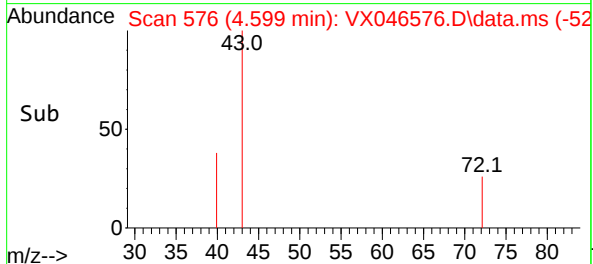
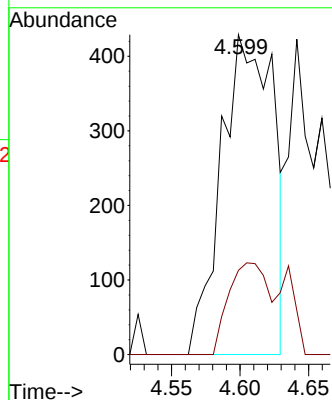
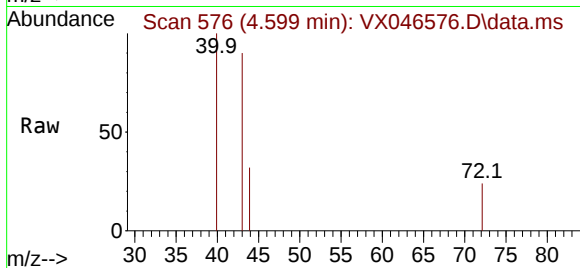
PB168334TB

Tgt Ion: 43 Resp: 1133

Ion Ratio Lower Upper

43 100

72 26.3 18.4 27.6



#29

Tetrahydrofuran

Concen: 0.240 ug/l

RT: 5.062 min Scan# 652

Delta R.T. 0.043 min

Lab File: VX046576.D

Acq: 09 Jun 2025 14:02

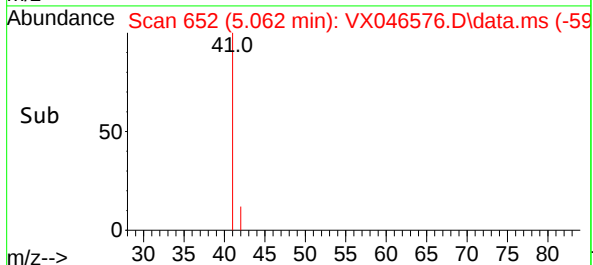
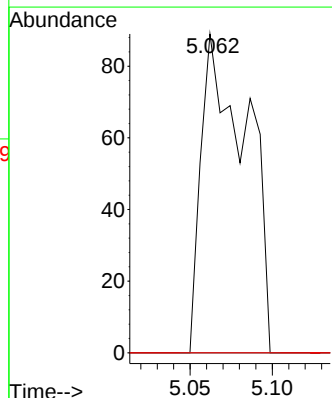
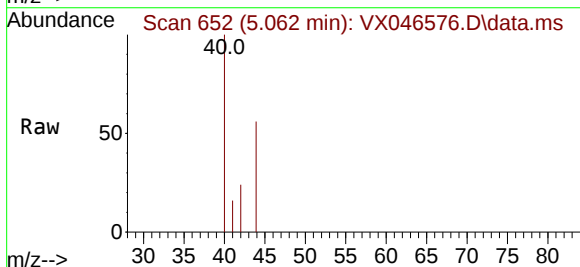
Tgt Ion: 42 Resp: 169

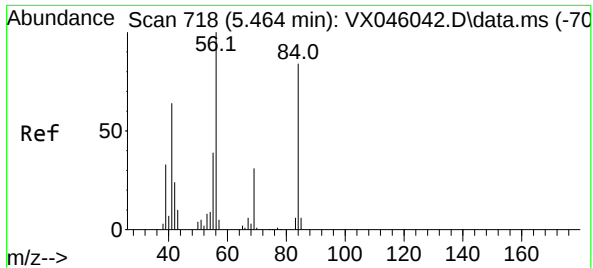
Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 31.4 47.2#

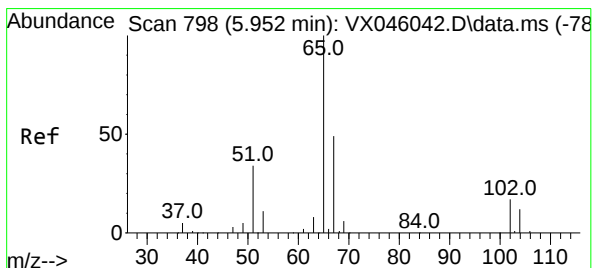
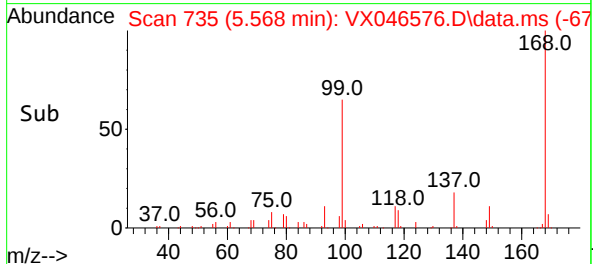
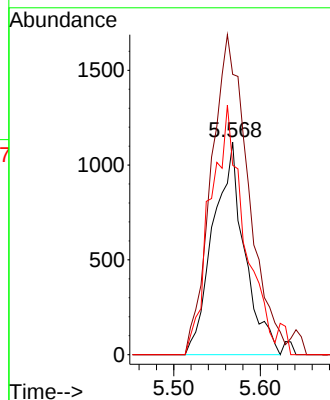
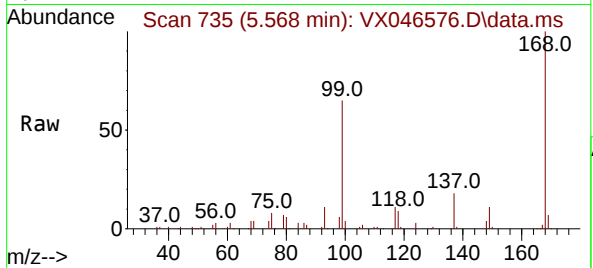




#31
Cyclohexane
Concen: 1.209 ug/l
RT: 5.568 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046576.D
Acq: 09 Jun 2025 14:02

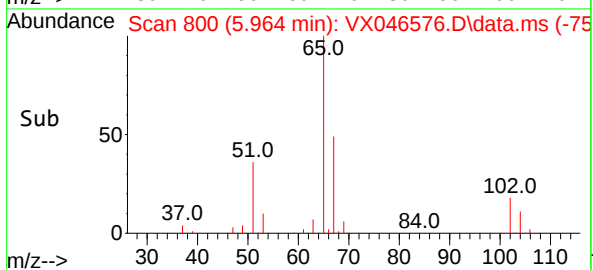
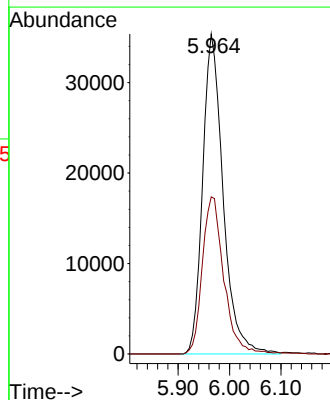
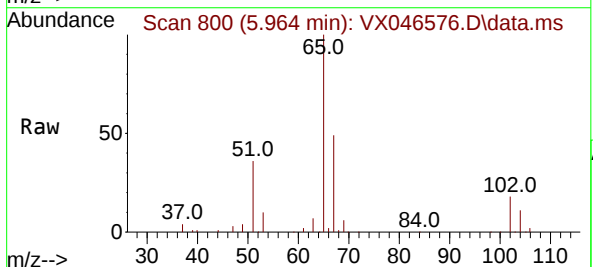
Instrument :
MSVOA_X
ClientSampleId :
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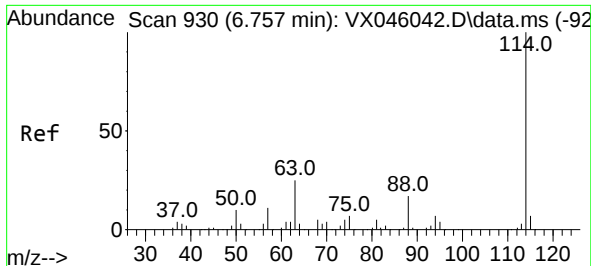
Tgt Ion: 56 Resp: 2813
Ion Ratio Lower Upper
56 100
69 131.9 24.4 36.6#
84 89.1 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 48.827 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.006 min
Lab File: VX046576.D
Acq: 09 Jun 2025 14:02

Tgt Ion: 65 Resp: 97720
Ion Ratio Lower Upper
65 100
67 51.4 0.0 99.0

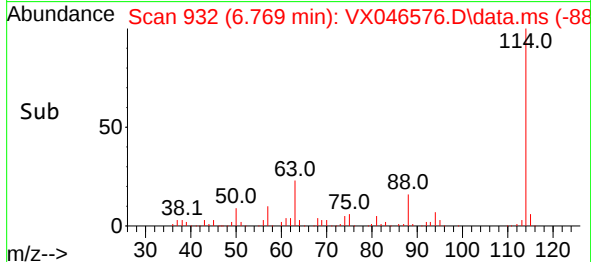
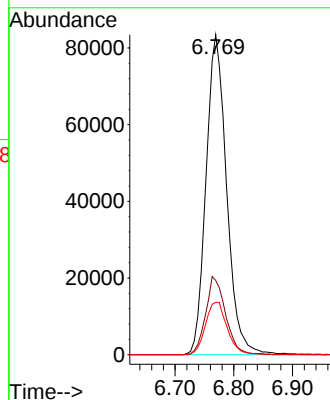
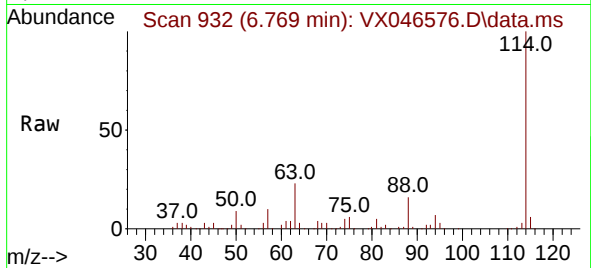




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX046576.D
Acq: 09 Jun 2025 14:02

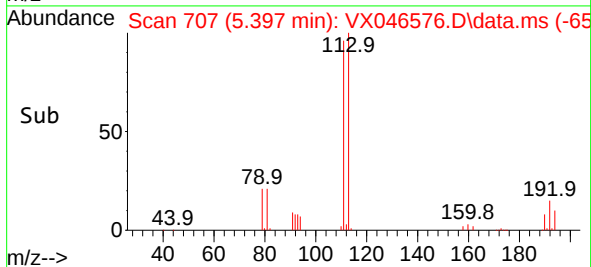
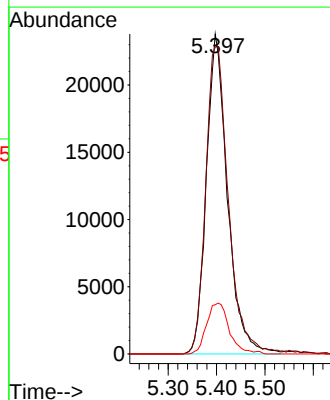
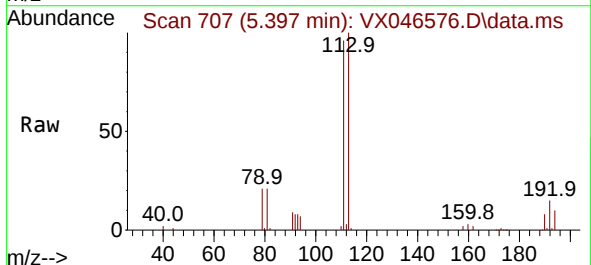
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MSVOA_X
ClientSampleId :
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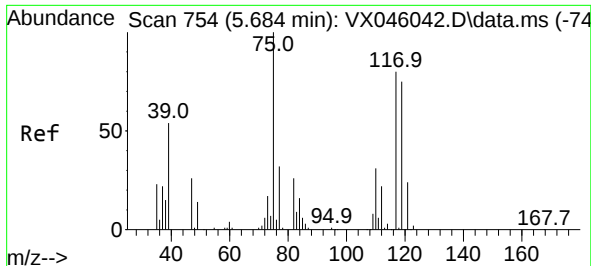
Tgt Ion:114 Resp: 203089
Ion Ratio Lower Upper
114 100
63 23.2 0.0 49.2
88 16.4 0.0 33.6



#35
Dibromofluoromethane
Concen: 48.300 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.006 min
Lab File: VX046576.D
Acq: 09 Jun 2025 14:02

Tgt Ion:113 Resp: 72136
Ion Ratio Lower Upper
113 100
111 103.5 83.1 124.7
192 17.1 13.3 19.9

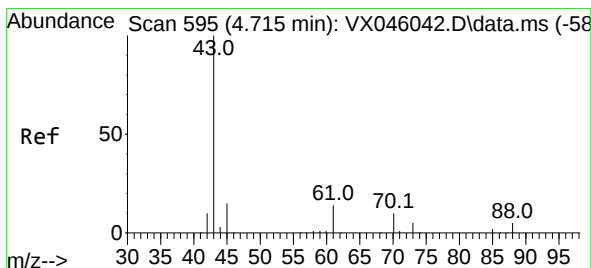
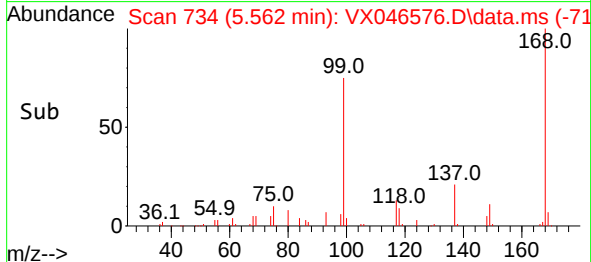
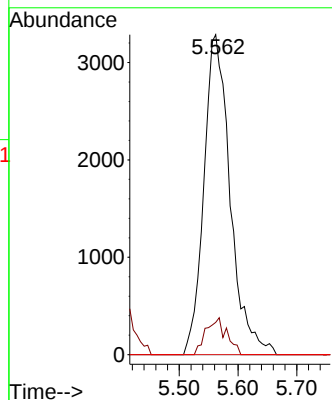
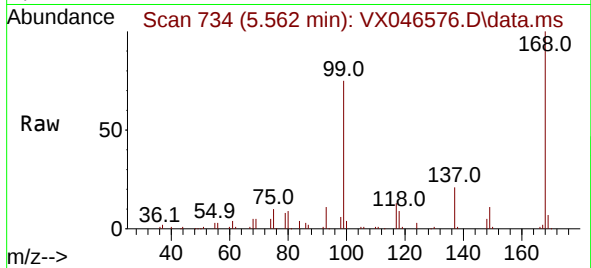




#36
1,1-Dichloropropene
Concen: 4.789 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.152 min
Lab File: VX046576.D
Acq: 09 Jun 2025 14:02

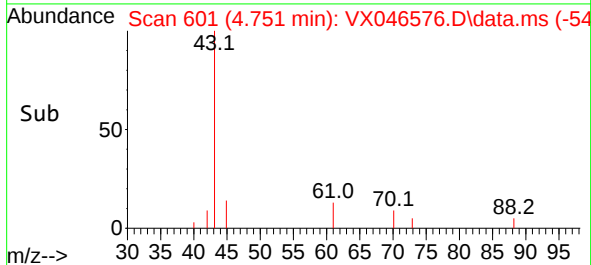
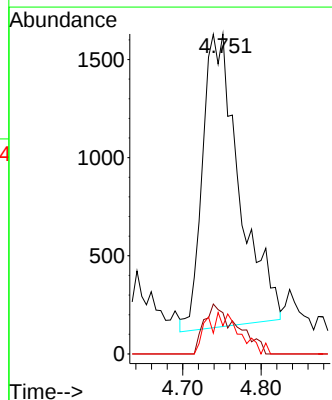
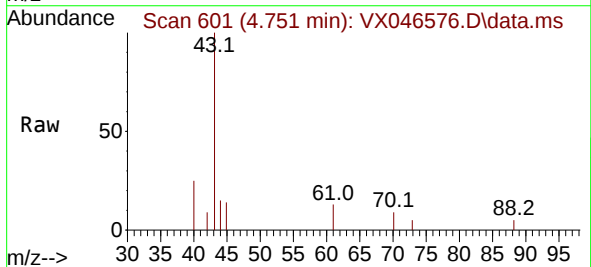
Instrument :
MSVOA_X
ClientSampleId :
PB168334TB

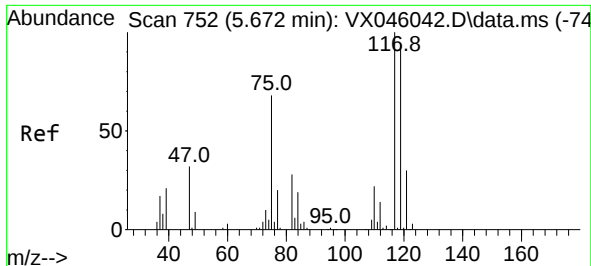
Tgt Ion: 75 Resp: 10216
Ion Ratio Lower Upper
75 100
110 9.1 16.3 48.9#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 2.339 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.018 min
Lab File: VX046576.D
Acq: 09 Jun 2025 14:02

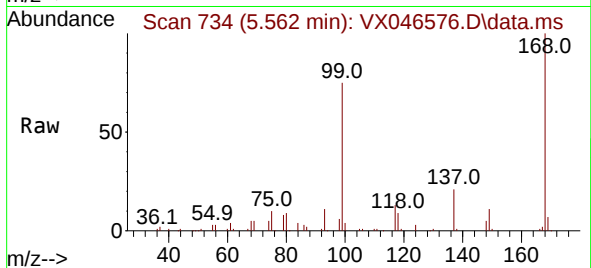
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Ion Ratio Lower Upper
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61 15.3 10.3 15.5
70 8.8 7.9 11.9



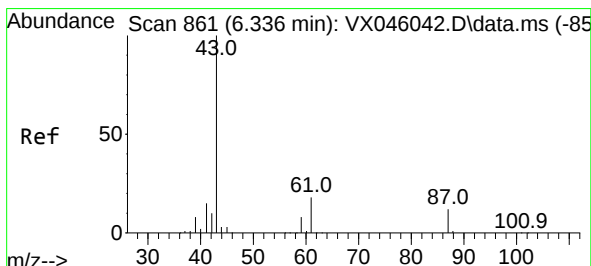
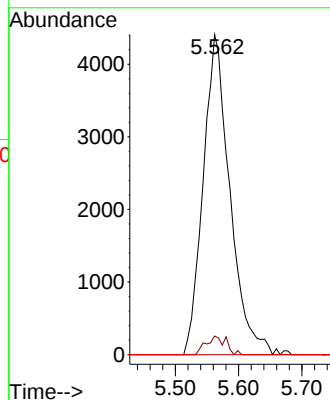
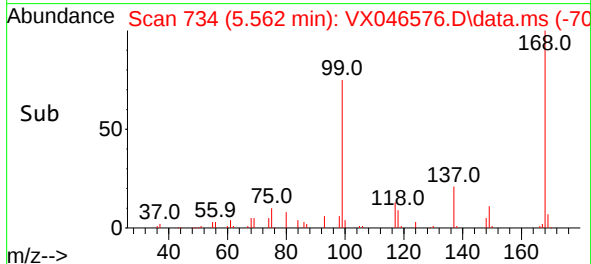


#38
Carbon Tetrachloride
Concen: 5.419 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX046576.D
Acq: 09 Jun 2025 14:02

Instrument :
MSVOA_X
ClientSampleId :
PB168334TB

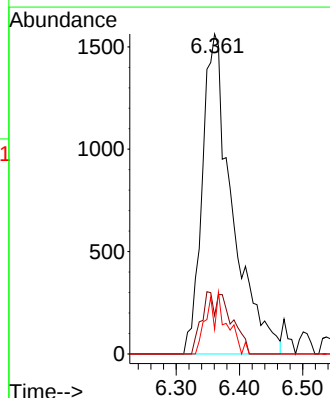
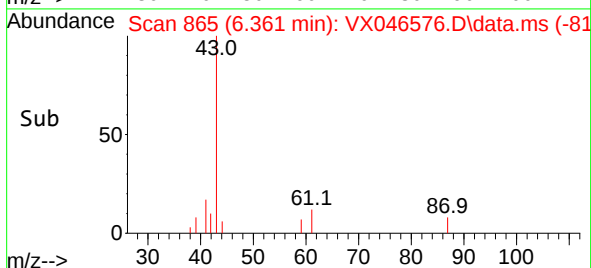
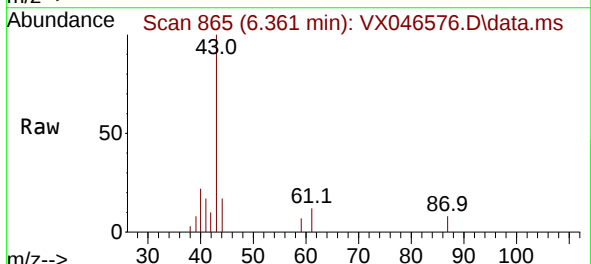


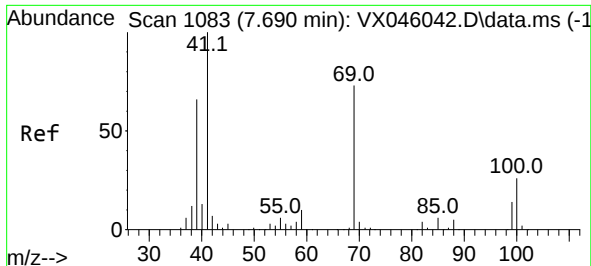
Tgt Ion:117 Resp: 12948
Ion Ratio Lower Upper
117 100
119 5.8 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 1.417 ug/l
RT: 6.361 min Scan# 865
Delta R.T. 0.007 min
Lab File: VX046576.D
Acq: 09 Jun 2025 14:02

Tgt Ion: 43 Resp: 5144
Ion Ratio Lower Upper
43 100
61 8.5 14.3 21.5#
87 5.6 9.5 14.3#





#48

Methyl methacrylate

Concen: 24.072 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.097 min

Lab File: VX046576.D

Acq: 09 Jun 2025 14:02

Instrument :

MSVOA_X

ClientSampleId :

PB168334TB

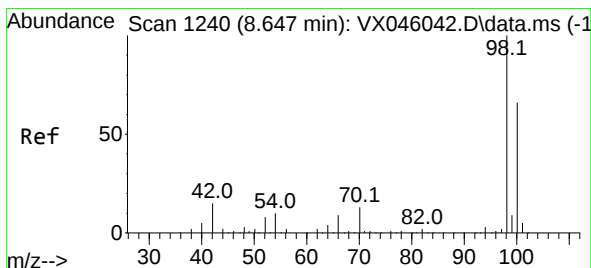
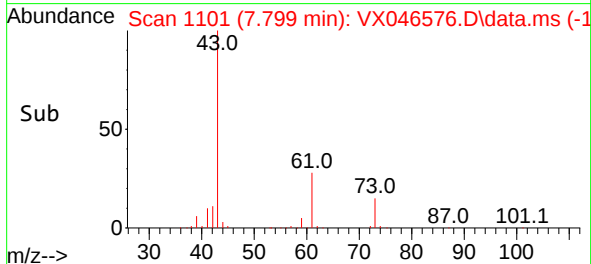
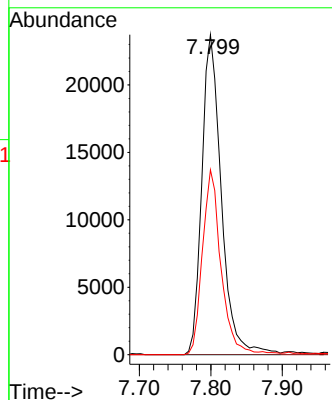
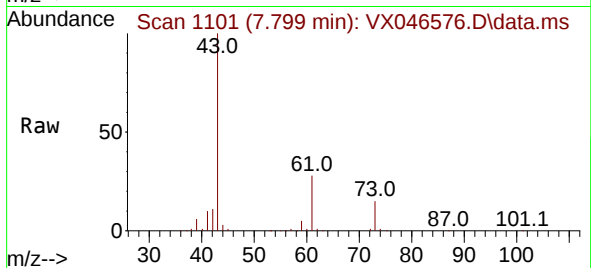
Tgt Ion: 41 Resp: 44957

Ion Ratio Lower Upper

41 100

69 0.0 58.5 87.7#

39 55.3 51.7 77.5



#50

Toluene-d8

Concen: 52.418 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX046576.D

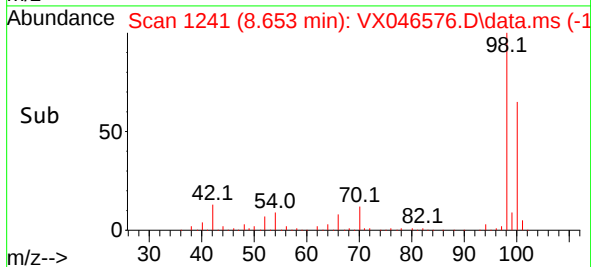
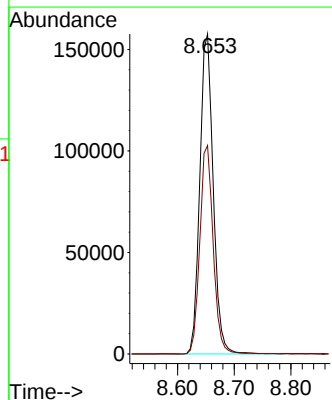
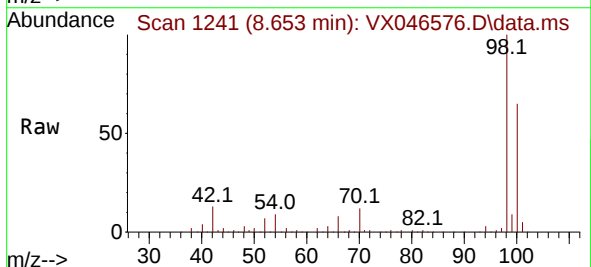
Acq: 09 Jun 2025 14:02

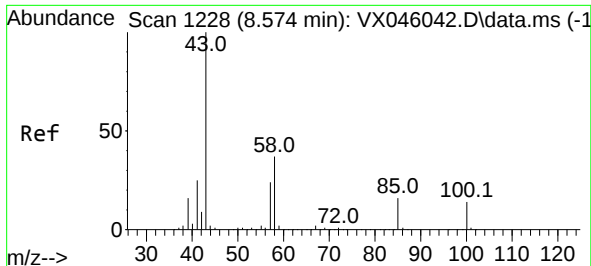
Tgt Ion: 98 Resp: 258103

Ion Ratio Lower Upper

98 100

100 65.2 53.5 80.3

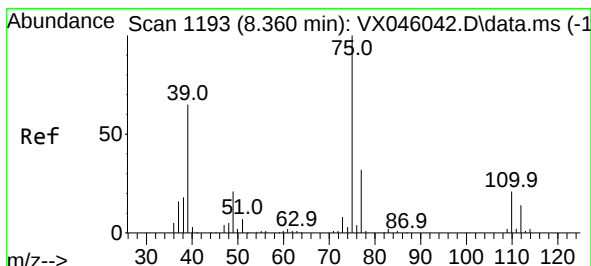
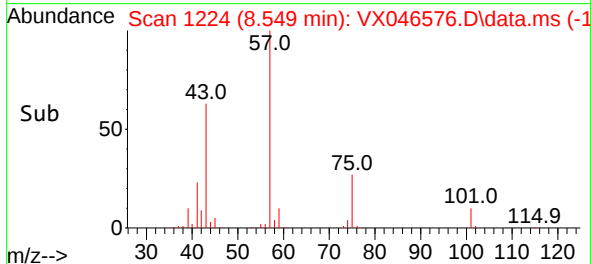
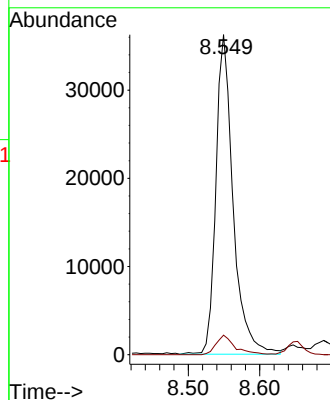
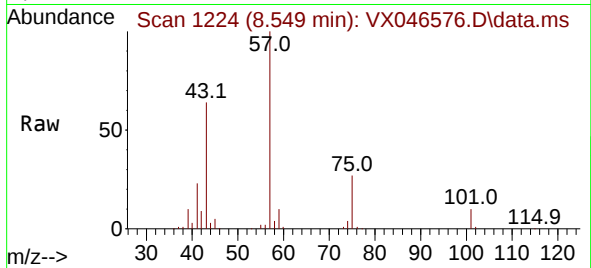




#51
4-Methyl-2-Pentanone
Concen: 26.220 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046576.D
Acq: 09 Jun 2025 14:02

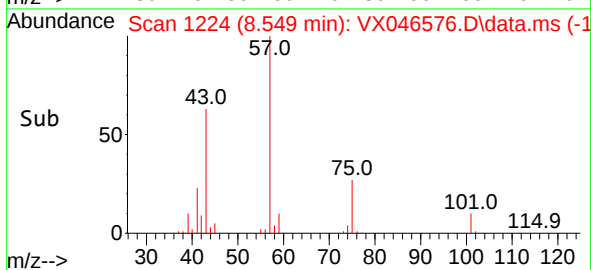
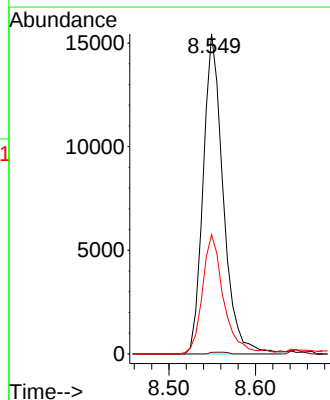
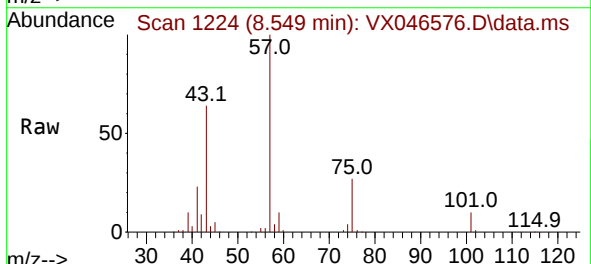
Instrument :
MSVOA_X
ClientSampleId :
PB168334TB

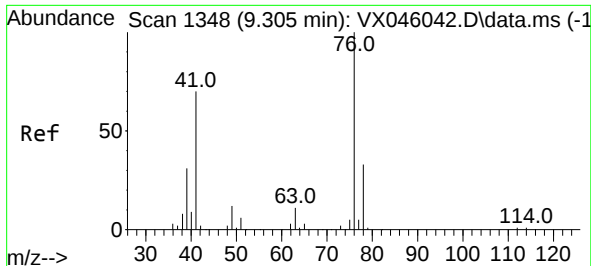
Tgt Ion: 43 Resp: 60480
Ion Ratio Lower Upper
43 100
58 6.7 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 10.368 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.177 min
Lab File: VX046576.D
Acq: 09 Jun 2025 14:02

Tgt Ion: 75 Resp: 24784
Ion Ratio Lower Upper
75 100
77 0.5 25.4 38.0#
39 37.3 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 0.644 ug/l

RT: 9.476 min Scan# 11

Delta R.T. 0.165 min

Lab File: VX046576.D

Acq: 09 Jun 2025 14:02

Instrument :

MSVOA_X

ClientSampleId :

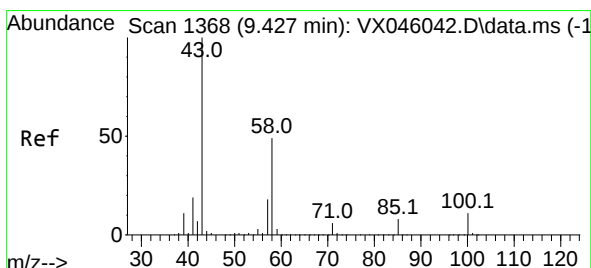
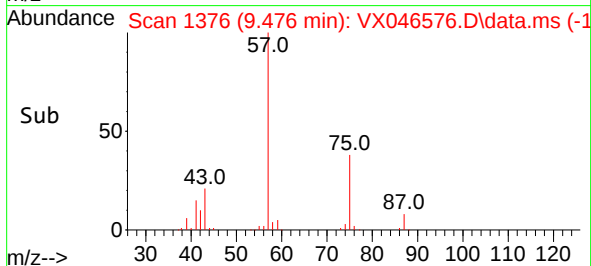
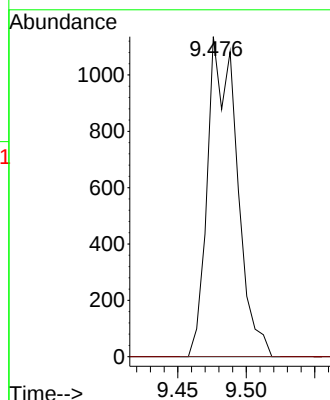
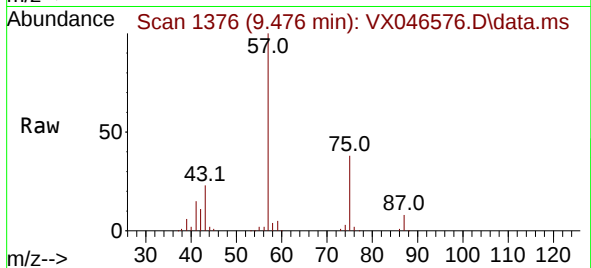
PB168334TB

Tgt Ion: 76 Resp: 1687

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 4.737 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.055 min

Lab File: VX046576.D

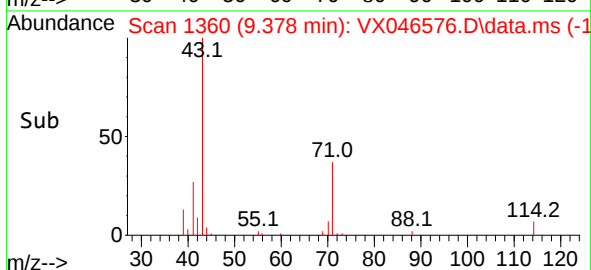
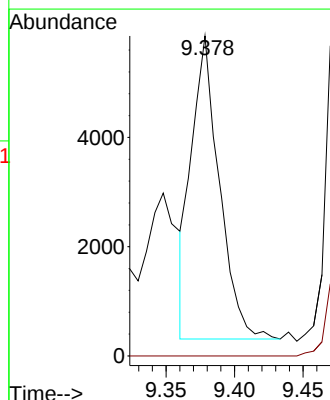
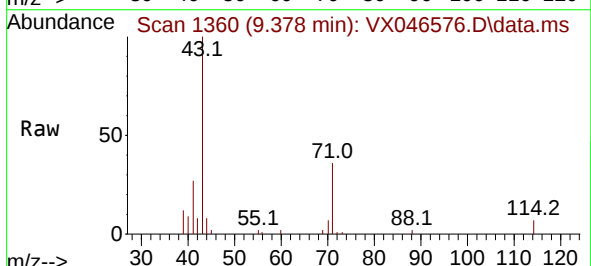
Acq: 09 Jun 2025 14:02

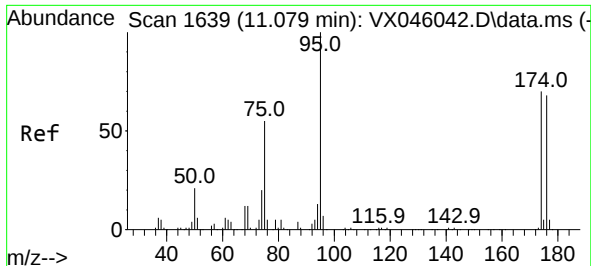
Tgt Ion: 43 Resp: 7836

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

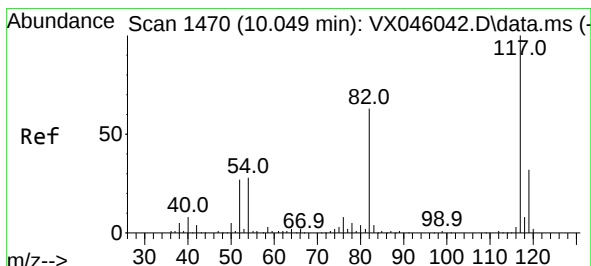
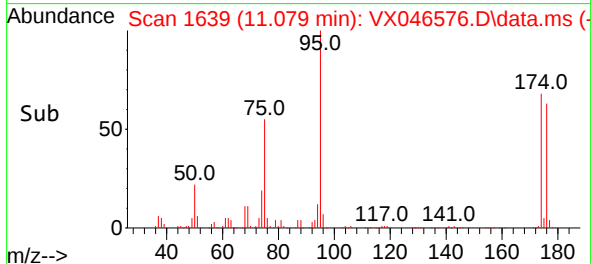
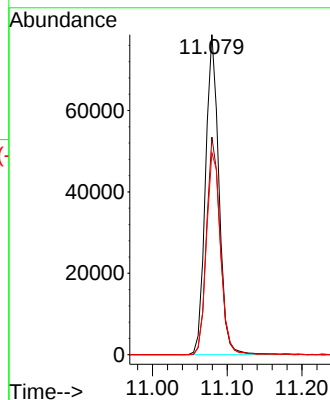
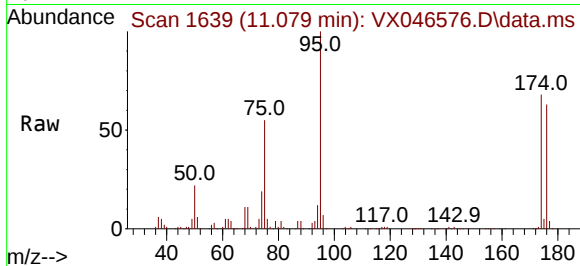




#62
4-Bromofluorobenzene
Concen: 48.120 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046576.D
Acq: 09 Jun 2025 14:02

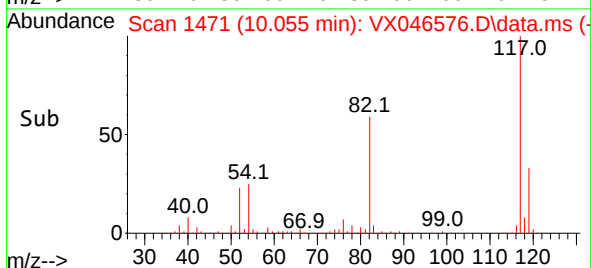
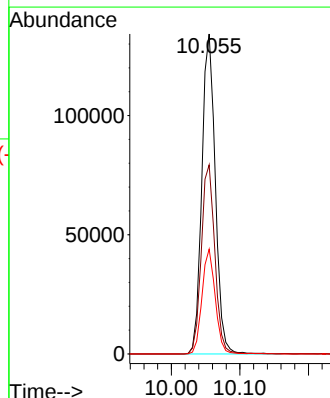
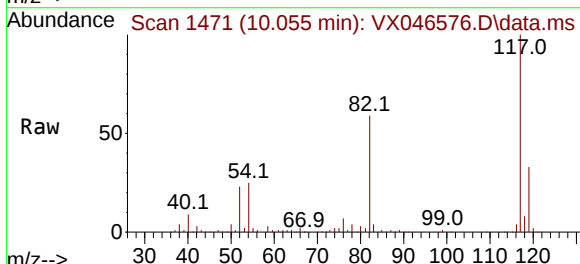
Instrument :
MSVOA_X
ClientSampleId :
PB168334TB

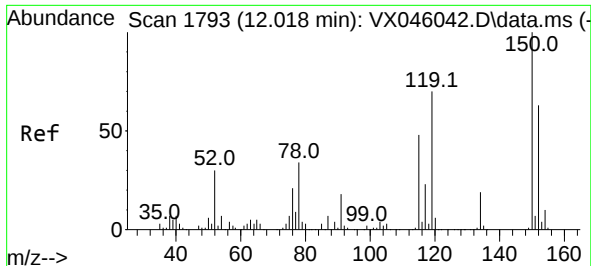
Tgt Ion: 95 Resp: 98032
Ion Ratio Lower Upper
95 100
174 68.9 0.0 135.8
176 66.7 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046576.D
Acq: 09 Jun 2025 14:02

Tgt Ion: 117 Resp: 183743
Ion Ratio Lower Upper
117 100
82 59.1 50.6 76.0
119 32.7 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX046576.D

Acq: 09 Jun 2025 14:02

Instrument :

MSVOA_X

ClientSampleId :

PB168334TB

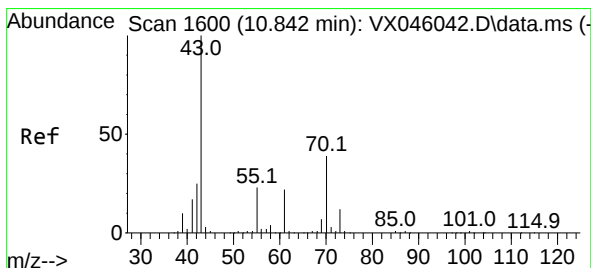
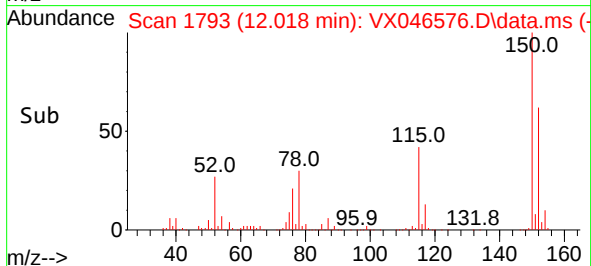
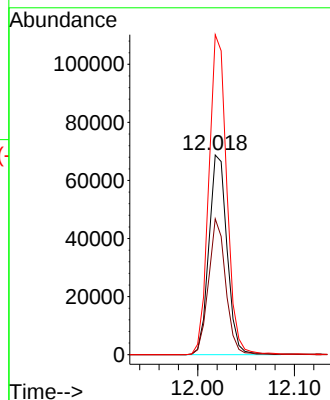
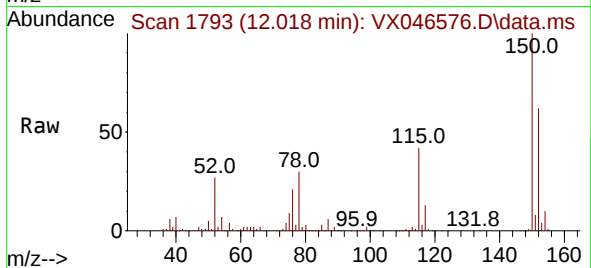
Tgt Ion:152 Resp: 89902

Ion Ratio Lower Upper

152 100

115 64.4 46.9 140.7

150 158.4 0.0 351.0



#74

N-ethyl acetate

Concen: 3.001 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX046576.D

Acq: 09 Jun 2025 14:02

Tgt Ion: 43 Resp: 9339

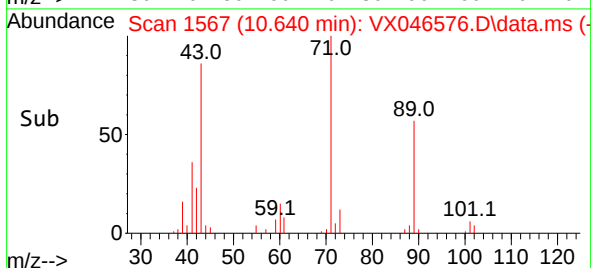
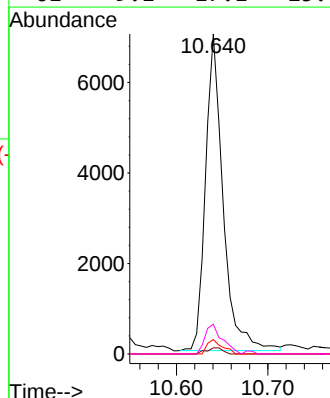
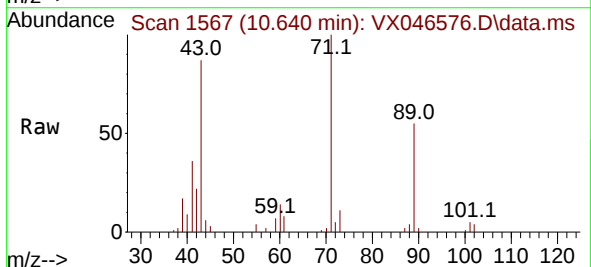
Ion Ratio Lower Upper

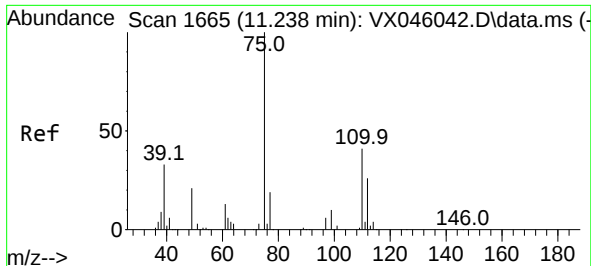
43 100

70 1.8 30.9 46.3#

55 3.9 18.7 28.1#

61 9.1 17.1 25.7#

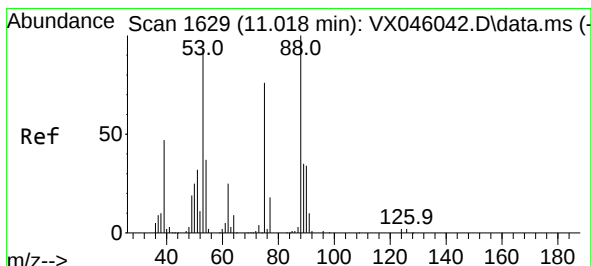
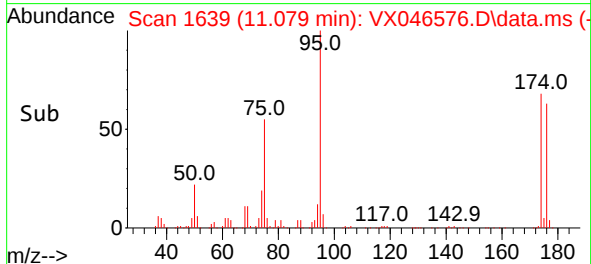
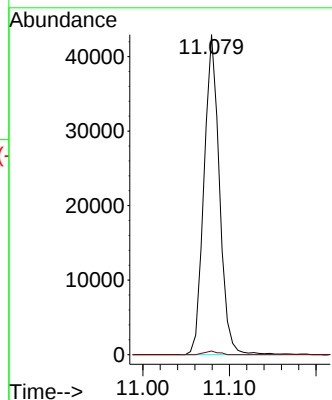
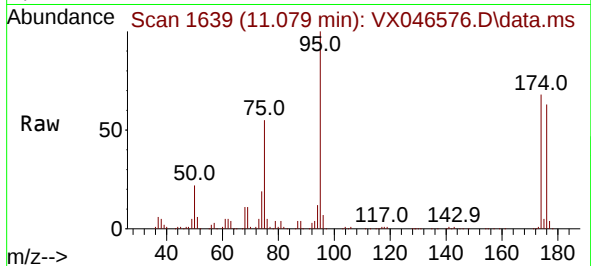




#76
1,2,3-Trichloropropane
Concen: 27.882 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046576.D
Acq: 09 Jun 2025 14:02

Instrument :
MSVOA_X
ClientSampleId :
PB168334TB

Tgt Ion: 75 Resp: 53094
Ion Ratio Lower Upper
75 100
77 1.0 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.429 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046576.D
Acq: 09 Jun 2025 14:02

Tgt Ion: 75 Resp: 53094
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.1 37.0 55.6#

