

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050625\
 Data File : VX046060.D
 Acq On : 06 May 2025 13:48
 Operator : JC/MD
 Sample : PB167852ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167852ZHE#01

Quant Time: May 07 01:46:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

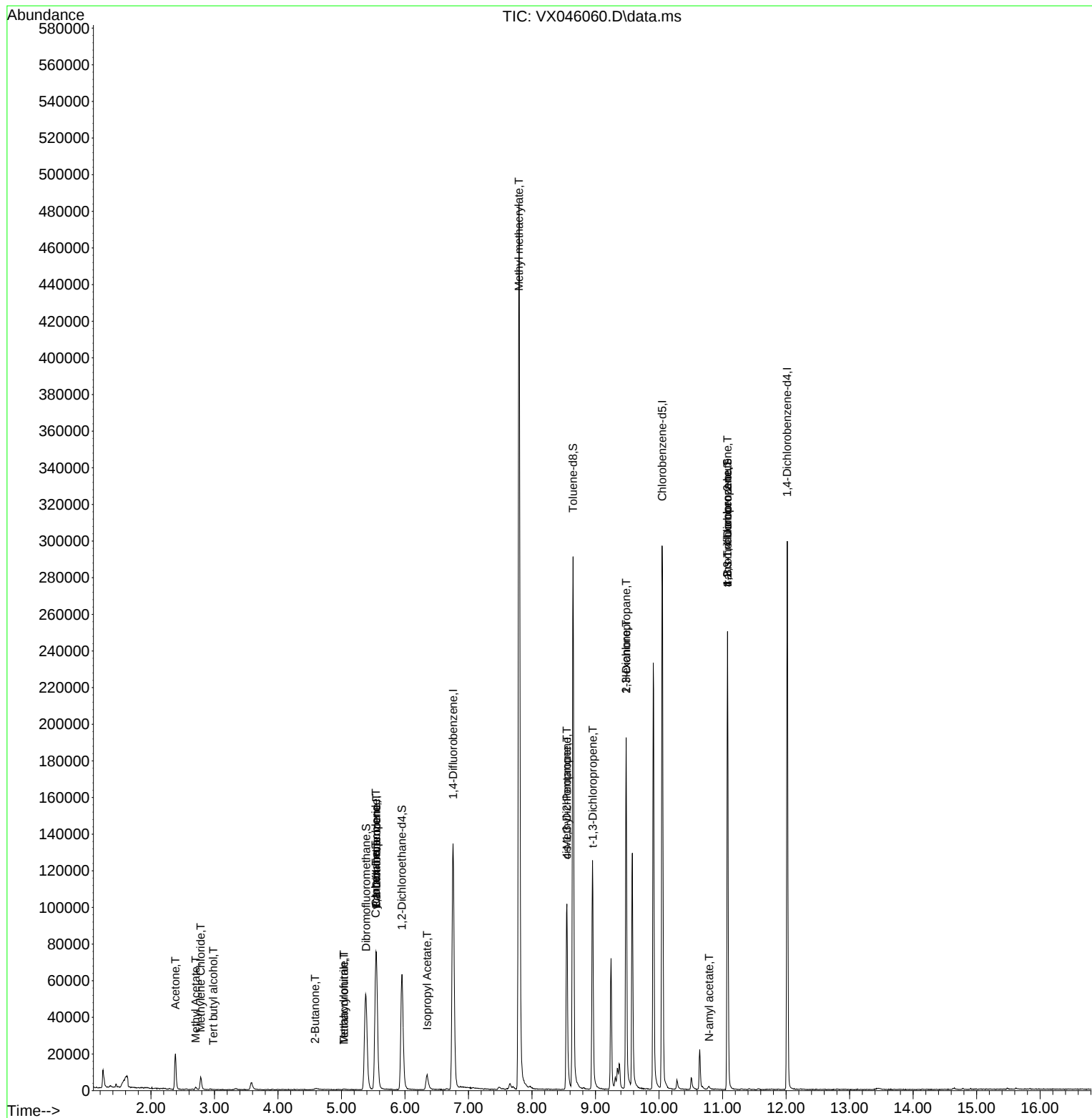
Internal Standards						
1) Pentafluorobenzene	5.550	168	65728	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129361	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123343	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64875	52.943	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.880%			
35) Dibromofluoromethane	5.385	113	45931	49.307	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.620%			
50) Toluene-d8	8.647	98	164570	51.043	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.080%			
62) 4-Bromofluorobenzene	11.079	95	64123	51.848	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.700%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.983	59	47	0.273	ug/l #	72
16) Acetone	2.386	43	21311	43.375	ug/l	98
18) Methyl Acetate	2.703	43	1636	1.435	ug/l	98
20) Methylene Chloride	2.782	84	3041	3.230	ug/l	96
25) 2-Butanone	4.587	43	682	0.956	ug/l #	87
29) Tetrahydrofuran	5.038	42	255	0.571	ug/l #	41
31) Cyclohexane	5.538	56	1897	1.299	ug/l #	48
36) 1,1-Dichloropropene	5.550	75	6597	5.271	ug/l #	47
38) Carbon Tetrachloride	5.544	117	7588	5.396	ug/l #	17
41) Methacrylonitrile	5.038	41	224	0.277	ug/l #	41
43) Isopropyl Acetate	6.348	43	12242	5.189	ug/l	99
48) Methyl methacrylate	7.793	41	48349	40.130	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	41087	26.238	ug/l #	51
53) t-1,3-Dichloropropene	8.958	75	264	0.210	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	15594	11.209	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	1588	0.998	ug/l #	42
59) 2-Hexanone	9.482	43	25377	21.905	ug/l #	54
74) N-amyl acetate	10.787	43	1603	0.761	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	38082	28.901	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	38082	94.091	ug/l #	1

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

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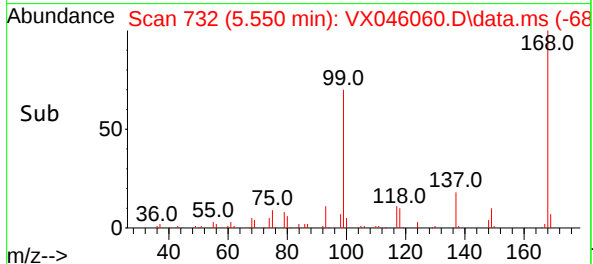
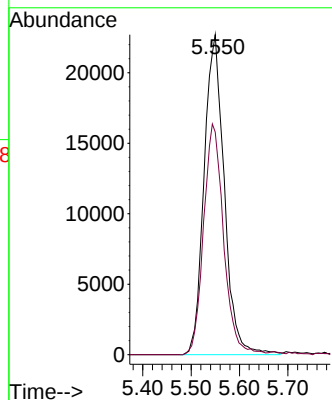
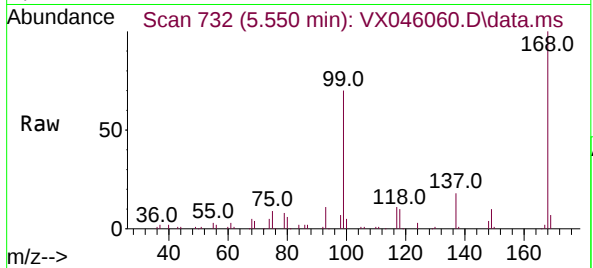




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046060.D
Acq: 06 May 2025 13:48

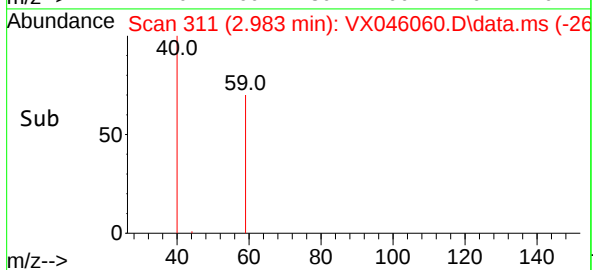
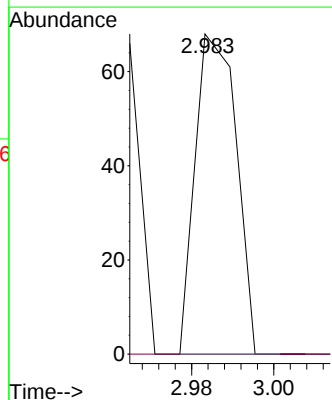
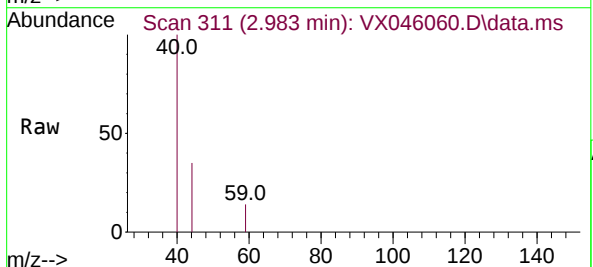
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#01

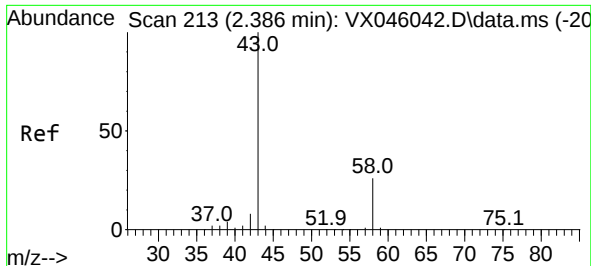
Tgt Ion:168 Resp: 65728
Ion Ratio Lower Upper
168 100
99 69.5 54.9 82.3



#11
Tert butyl alcohol
Concen: 0.273 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX046060.D
Acq: 06 May 2025 13:48

Tgt Ion: 59 Resp: 47
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

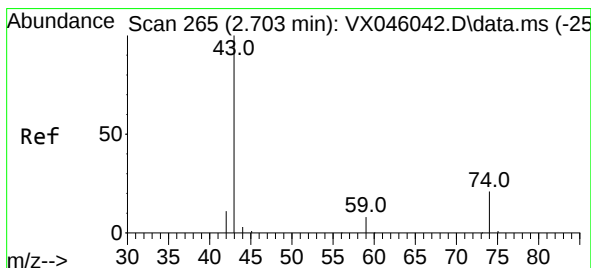
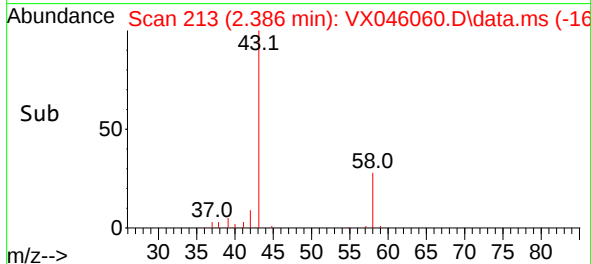
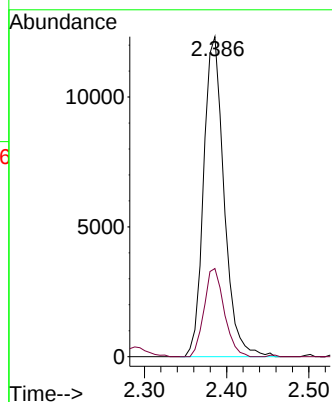
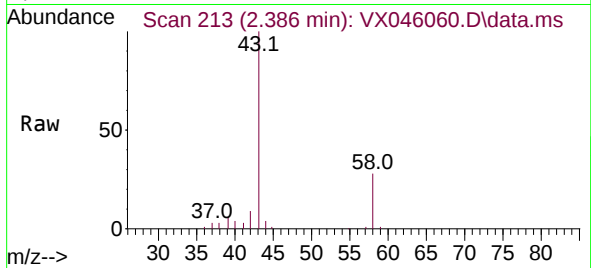




#16
Acetone
Concen: 43.375 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046060.D
Acq: 06 May 2025 13:48

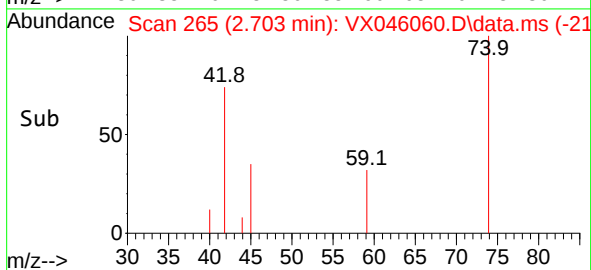
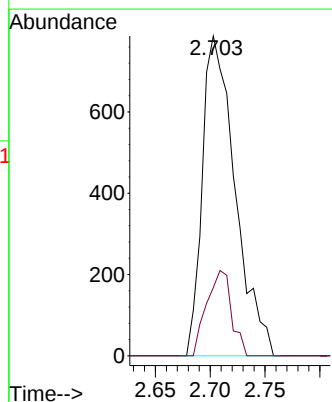
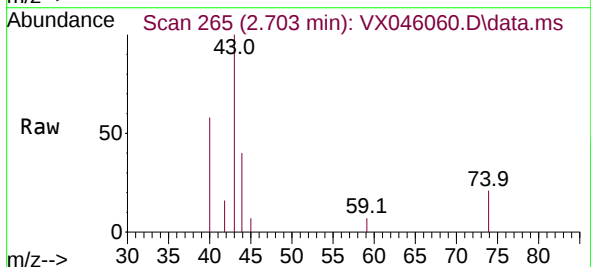
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#01

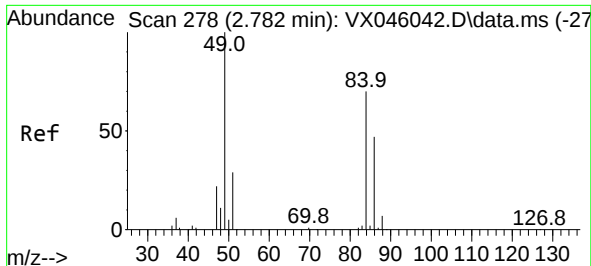
Tgt Ion: 43 Resp: 21311
Ion Ratio Lower Upper
43 100
58 27.5 21.2 31.8



#18
Methyl Acetate
Concen: 1.435 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046060.D
Acq: 06 May 2025 13:48

Tgt Ion: 43 Resp: 1636
Ion Ratio Lower Upper
43 100
74 20.2 16.7 25.1

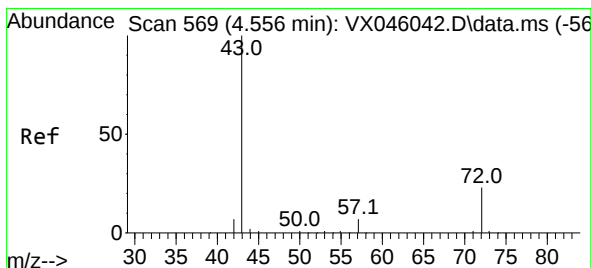
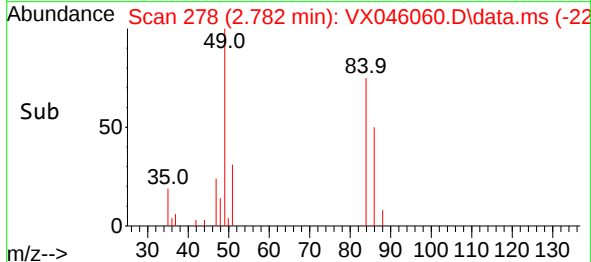
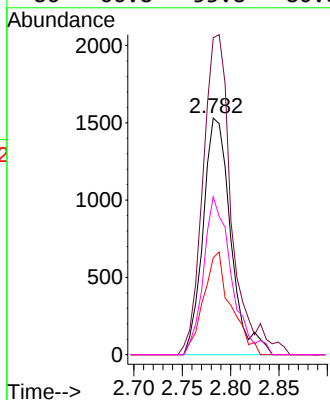
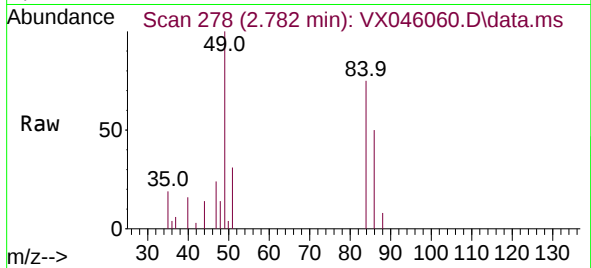




#20
Methylene Chloride
Concen: 3.230 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046060.D
Acq: 06 May 2025 13:48

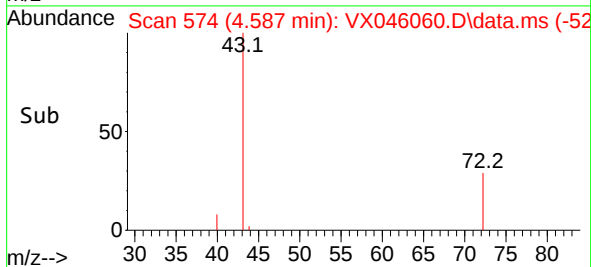
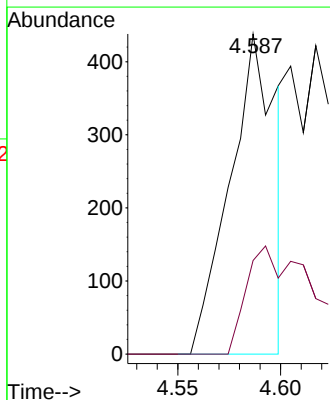
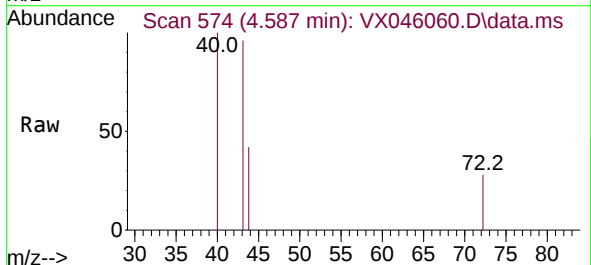
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#01

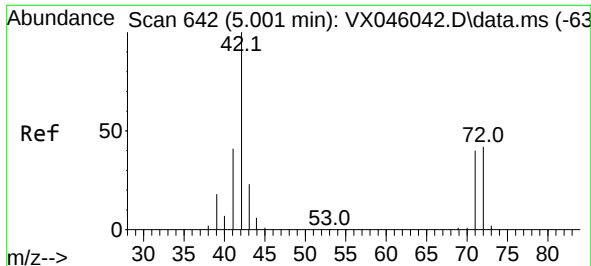
Tgt Ion:	84	Resp:	3041
Ion	Ratio	Lower	Upper
84	100		
49	133.9	113.9	170.9
51	41.0	33.5	50.3
86	66.8	53.8	80.8



#25
2-Butanone
Concen: 0.956 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.031 min
Lab File: VX046060.D
Acq: 06 May 2025 13:48

Tgt Ion:	43	Resp:	682
Ion	Ratio	Lower	Upper
43	100		
72	29.2	18.4	27.6#





#29

Tetrahydrofuran

Concen: 0.571 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.037 min

Lab File: VX046060.D

Acq: 06 May 2025 13:48

Instrument :

MSVOA_X

ClientSampleId :

PB167852ZHE#01

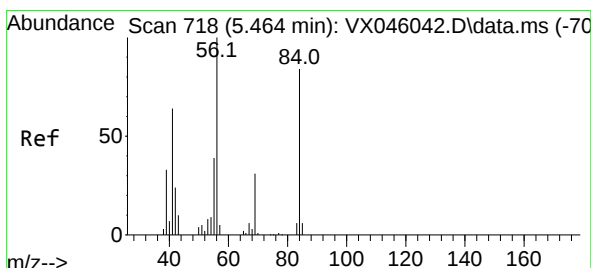
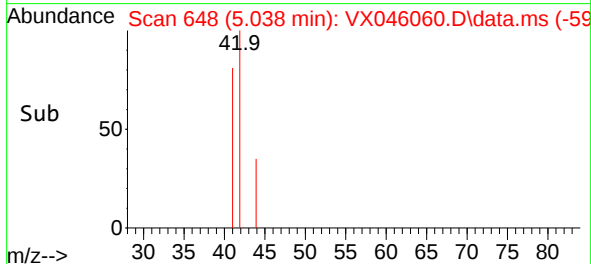
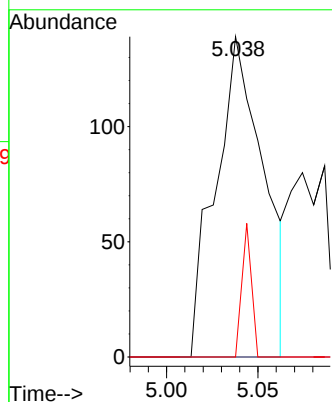
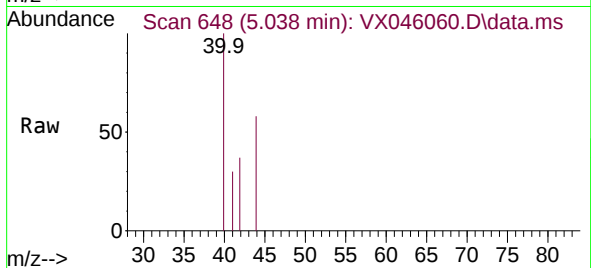
Tgt Ion: 42 Resp: 255

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 8.2 31.4 47.2#



#31

Cyclohexane

Concen: 1.299 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX046060.D

Acq: 06 May 2025 13:48

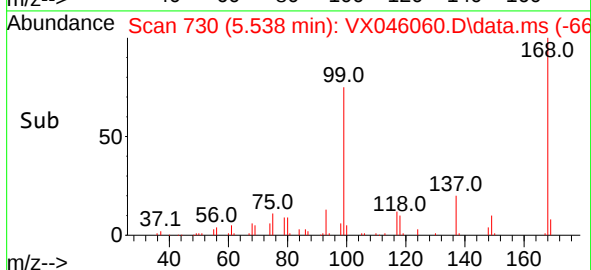
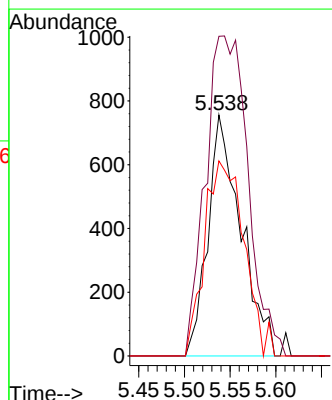
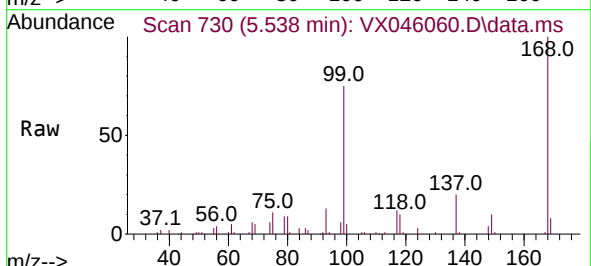
Tgt Ion: 56 Resp: 1897

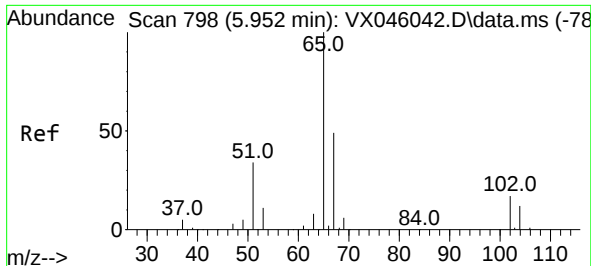
Ion Ratio Lower Upper

56 100

69 132.7 24.4 36.6#

84 81.0 66.9 100.3

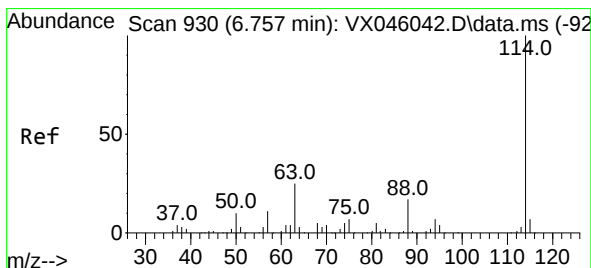
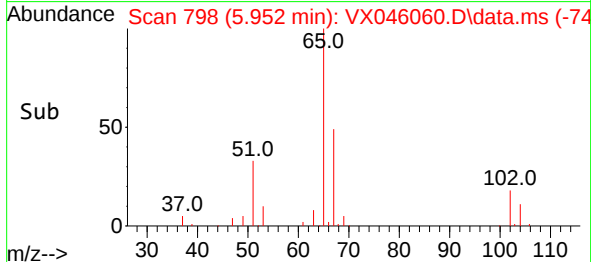
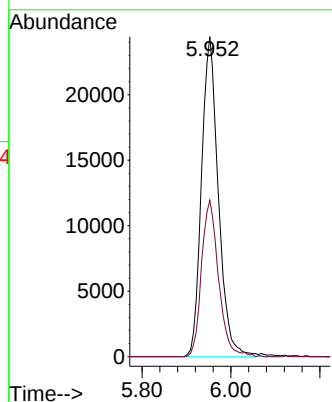
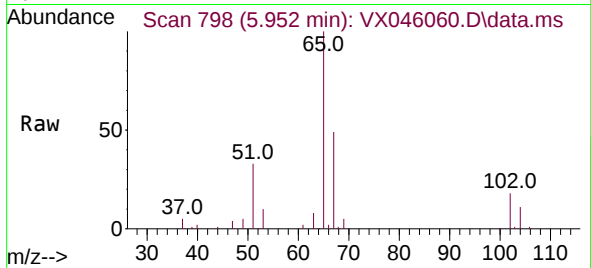




#33
 1,2-Dichloroethane-d4
 Concen: 52.943 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX046060.D
 Acq: 06 May 2025 13:48

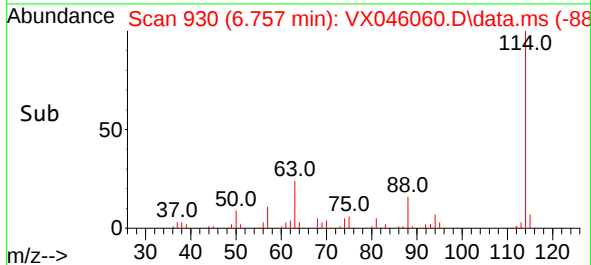
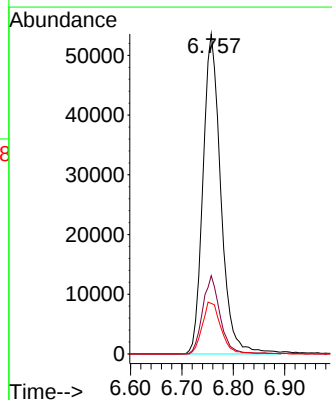
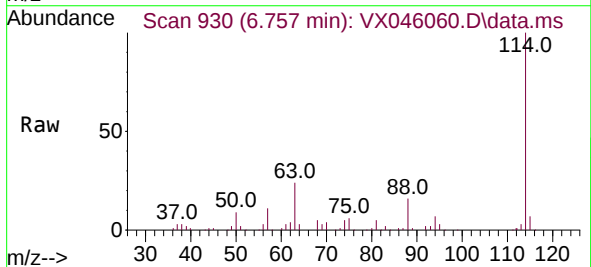
Instrument :
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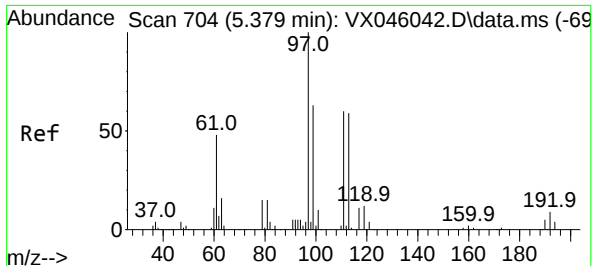
Tgt Ion: 65 Resp: 64875
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX046060.D
 Acq: 06 May 2025 13:48

Tgt Ion: 114 Resp: 129361
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 49.2
 88 15.8 0.0 33.6





#35

Dibromofluoromethane

Concen: 49.307 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX046060.D

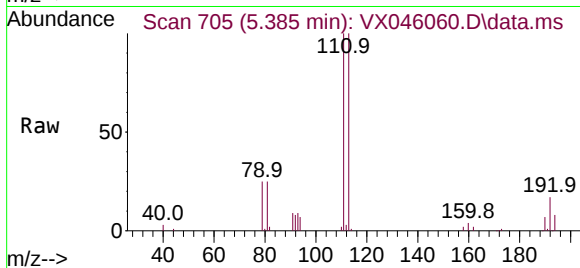
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Instrument :

MSVOA_X

ClientSampleId :

PB167852ZHE#01



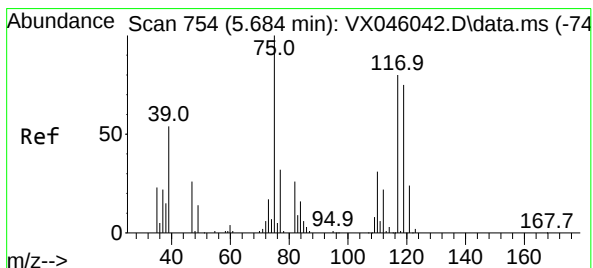
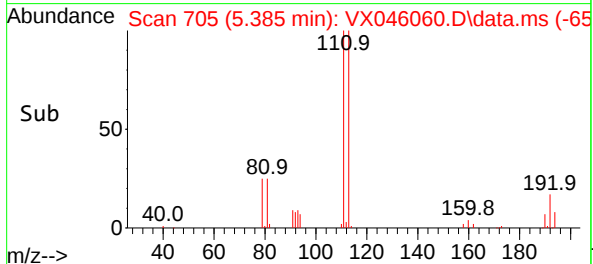
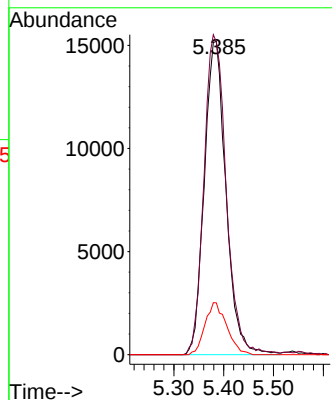
Tgt Ion:113 Resp: 45931

Ion Ratio Lower Upper

113 100

111 104.9 83.1 124.7

192 16.6 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.271 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX046060.D

Acq: 06 May 2025 13:48

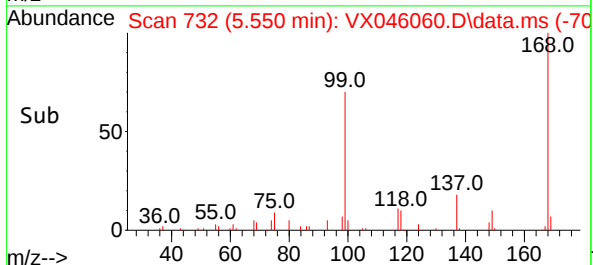
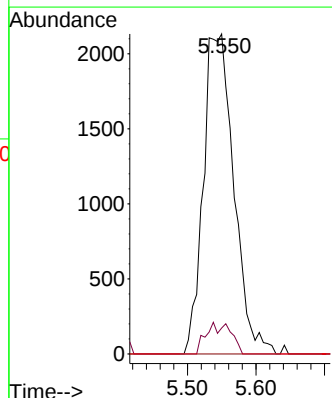
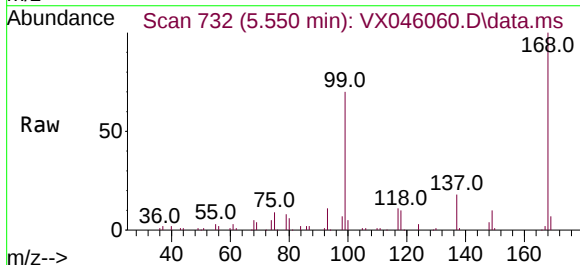
Tgt Ion: 75 Resp: 6597

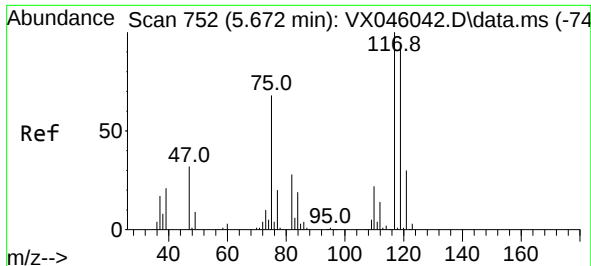
Ion Ratio Lower Upper

75 100

110 4.0 16.3 48.9#

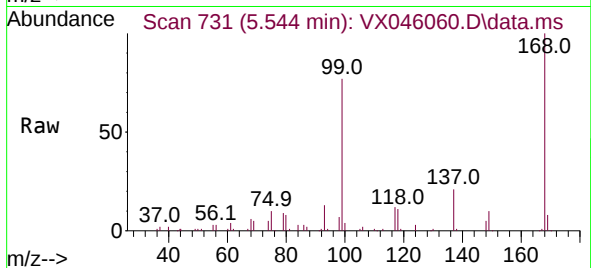
77 0.0 24.3 36.5#



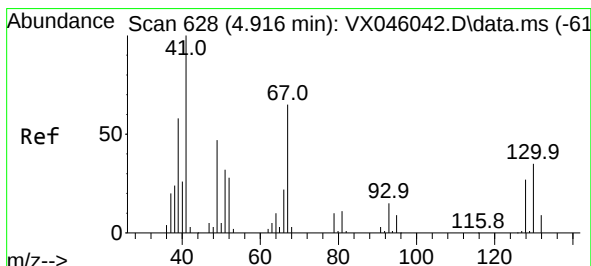
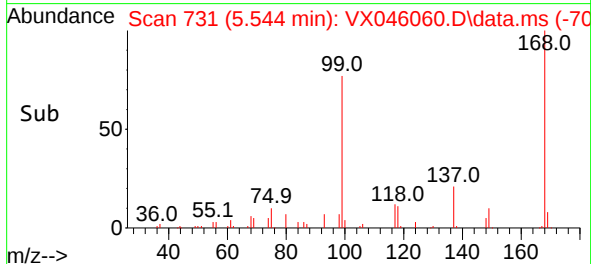
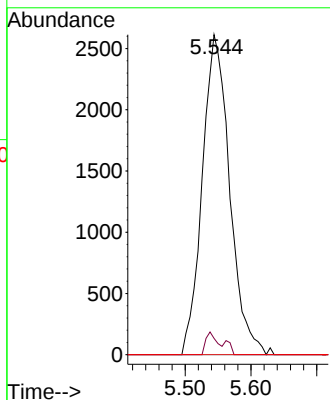


#38
Carbon Tetrachloride
Concen: 5.396 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046060.D
Acq: 06 May 2025 13:48

Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#01

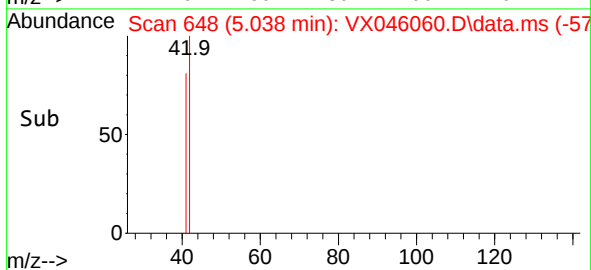
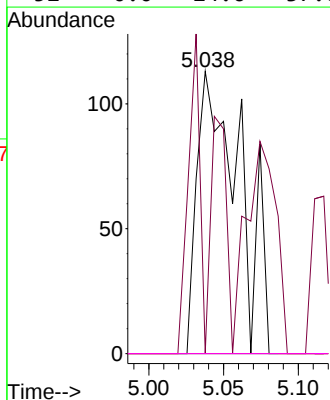
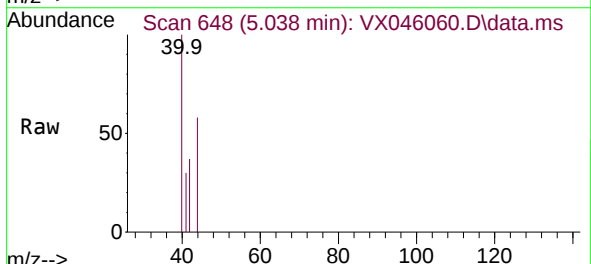


Tgt Ion:117 Resp: 7588
Ion Ratio Lower Upper
117 100
119 5.1 75.2 112.8#
121 0.0 24.2 36.4#



#41
Methacrylonitrile
Concen: 0.277 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.122 min
Lab File: VX046060.D
Acq: 06 May 2025 13:48

Tgt Ion: 41 Resp: 224
Ion Ratio Lower Upper
41 100
39 30.8 47.2 70.8#
67 0.0 50.7 76.1#
52 0.0 24.6 37.0#

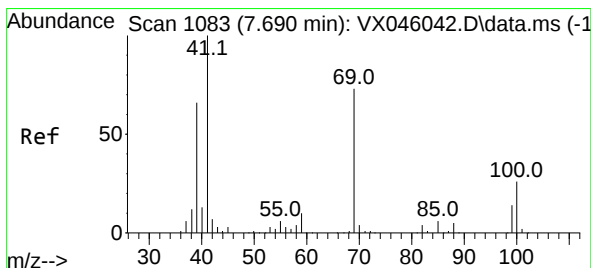
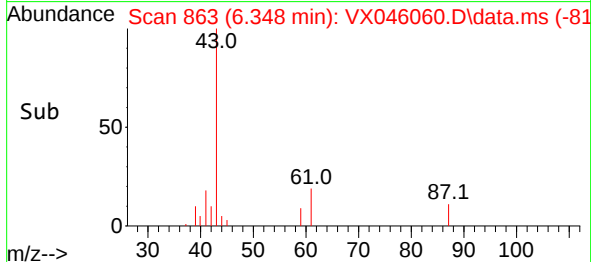
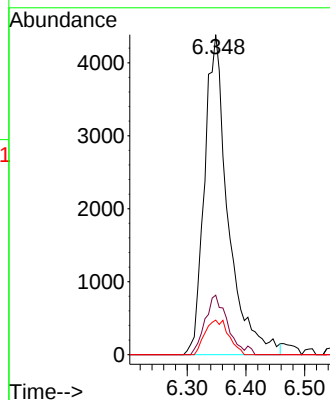
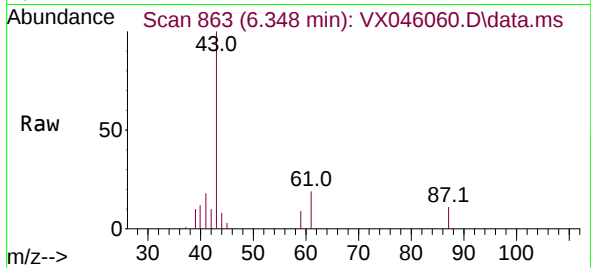




#43
Isopropyl Acetate
Concen: 5.189 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX046060.D
Acq: 06 May 2025 13:48

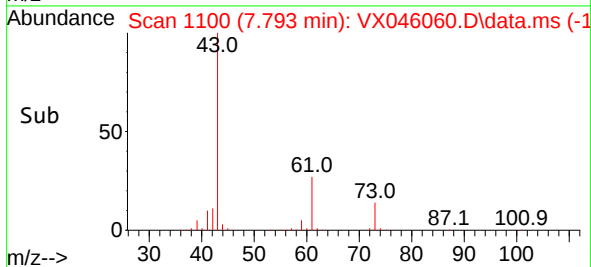
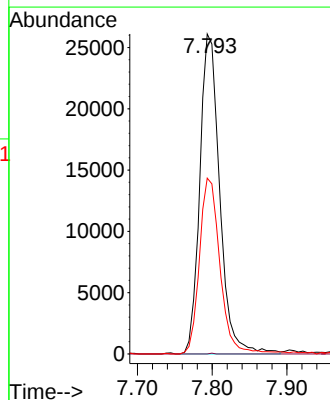
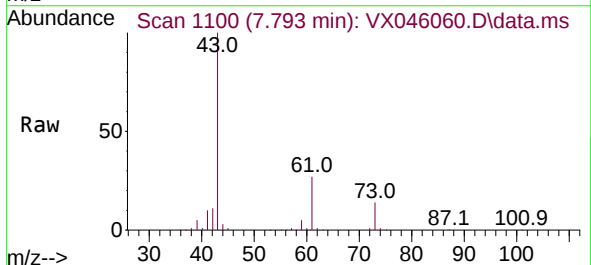
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#01

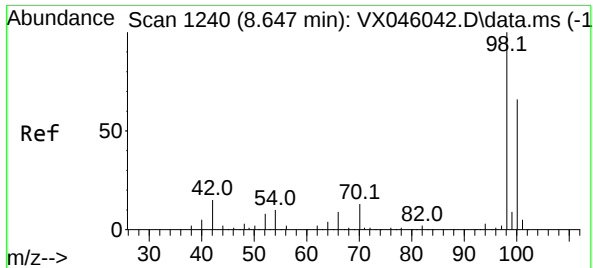
Tgt Ion: 43 Resp: 12242
Ion Ratio Lower Upper
43 100
61 17.9 14.3 21.5
87 10.8 9.5 14.3



#48
Methyl methacrylate
Concen: 40.130 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046060.D
Acq: 06 May 2025 13:48

Tgt Ion: 41 Resp: 48349
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 56.8 51.7 77.5

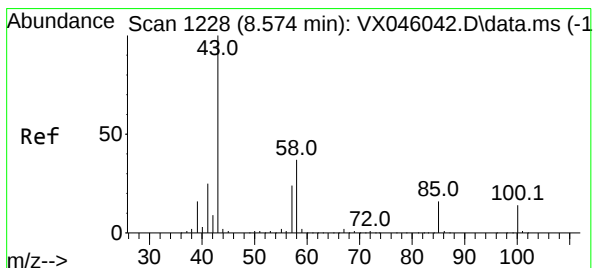
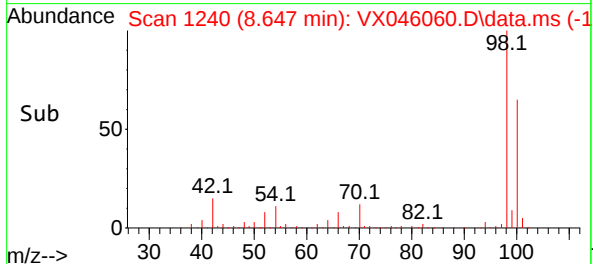
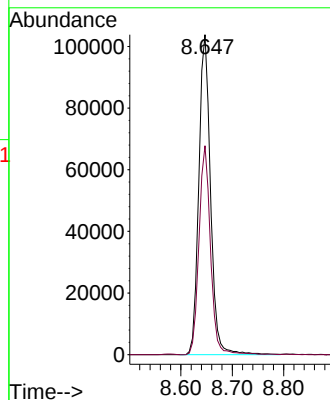
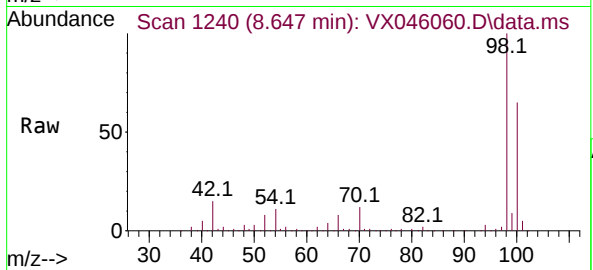




#50
Toluene-d8
Concen: 51.043 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046060.D
Acq: 06 May 2025 13:48

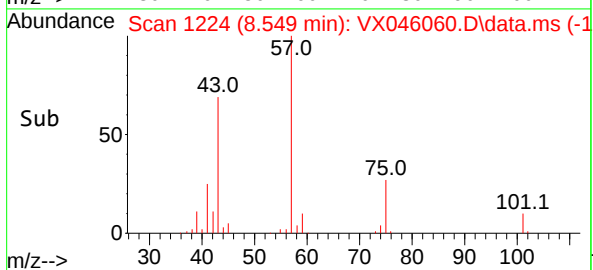
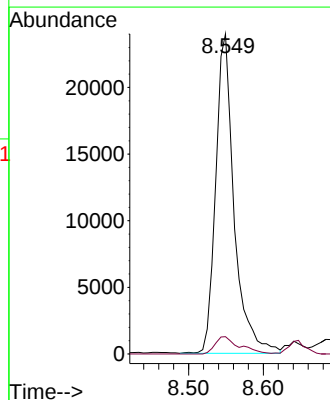
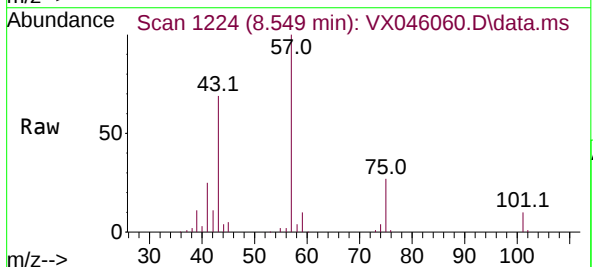
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#01

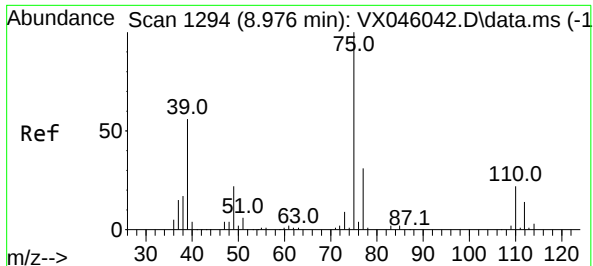
Tgt Ion: 98 Resp: 164570
Ion Ratio Lower Upper
98 100
100 64.3 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 26.238 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046060.D
Acq: 06 May 2025 13:48

Tgt Ion: 43 Resp: 41087
Ion Ratio Lower Upper
43 100
58 7.2 28.9 43.3#





#53

t-1,3-Dichloropropene

Concen: 0.210 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX046060.D

Acq: 06 May 2025 13:48

Instrument :

MSVOA_X

ClientSampleId :

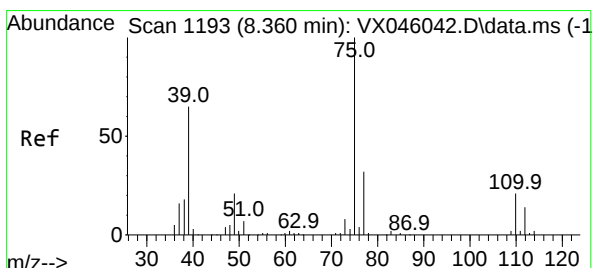
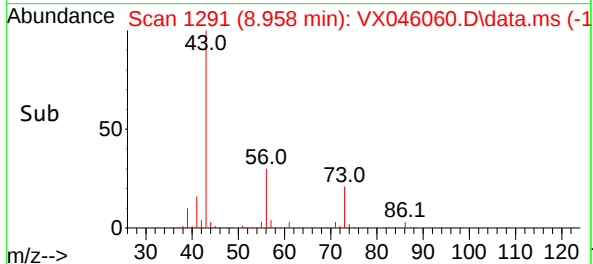
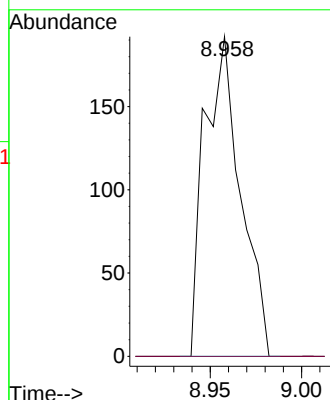
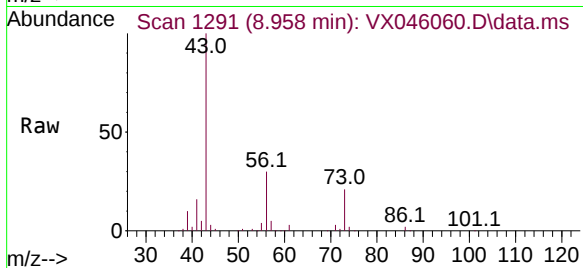
PB167852ZHE#01

Tgt Ion: 75 Resp: 264

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#



#54

cis-1,3-Dichloropropene

Concen: 11.209 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.189 min

Lab File: VX046060.D

Acq: 06 May 2025 13:48

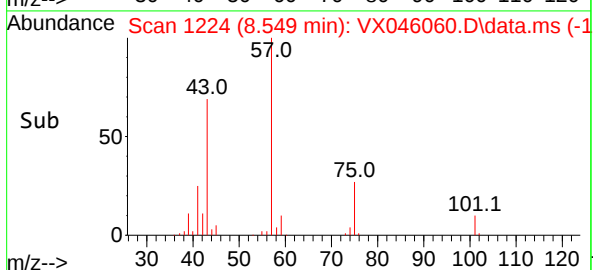
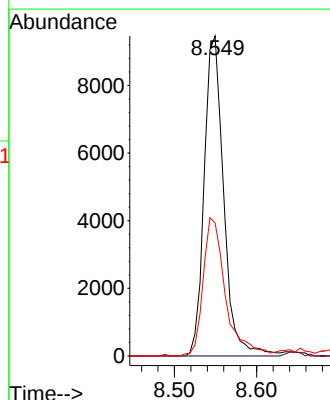
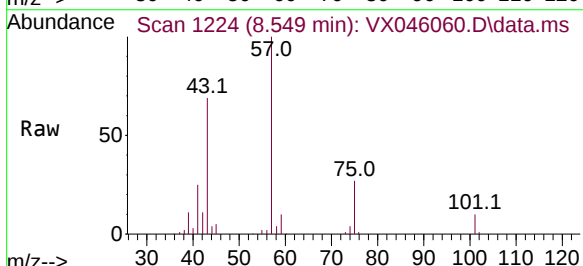
Tgt Ion: 75 Resp: 15594

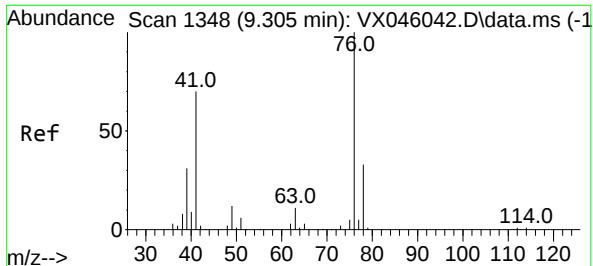
Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

39 41.6 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 0.998 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX046060.D

Acq: 06 May 2025 13:48

Instrument :

MSVOA_X

ClientSampleId :

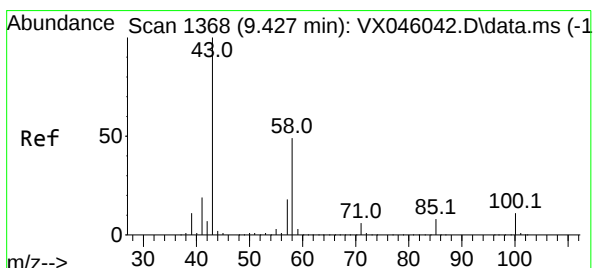
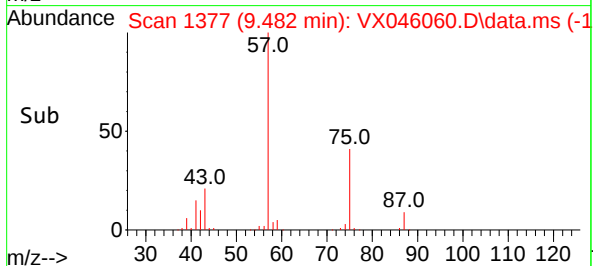
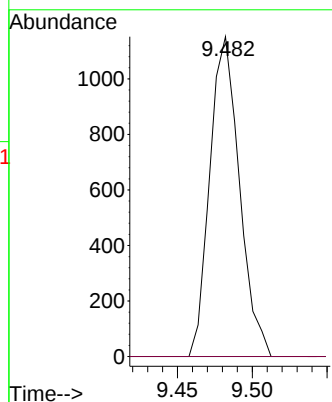
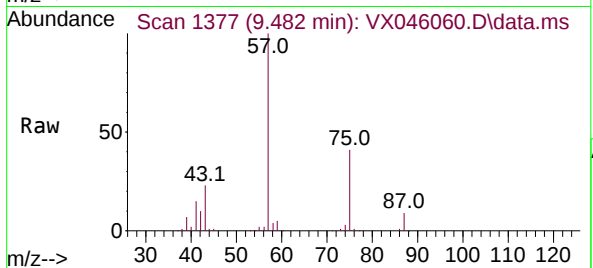
PB167852ZHE#01

Tgt Ion: 76 Resp: 1588

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 21.905 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX046060.D

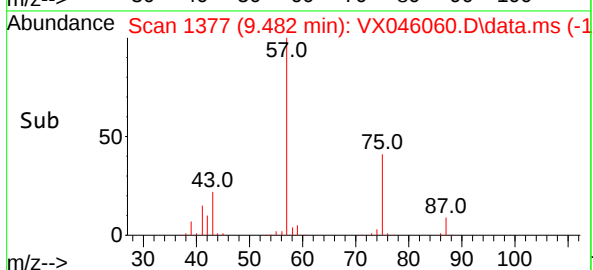
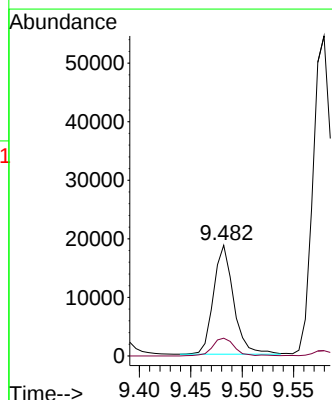
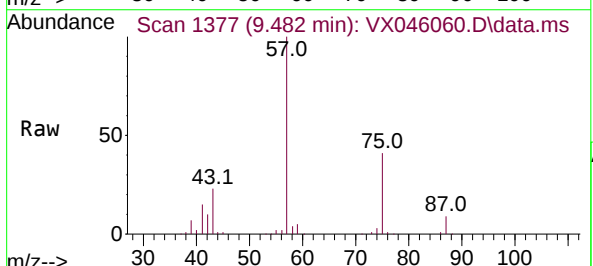
Acq: 06 May 2025 13:48

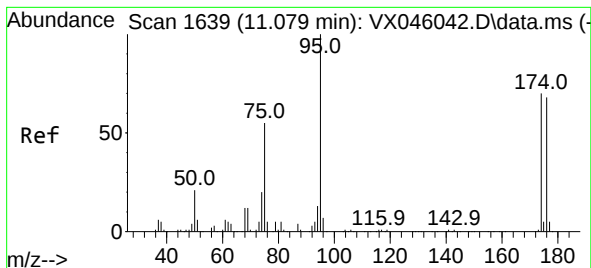
Tgt Ion: 43 Resp: 25377

Ion Ratio Lower Upper

43 100

58 18.2 24.9 74.6#

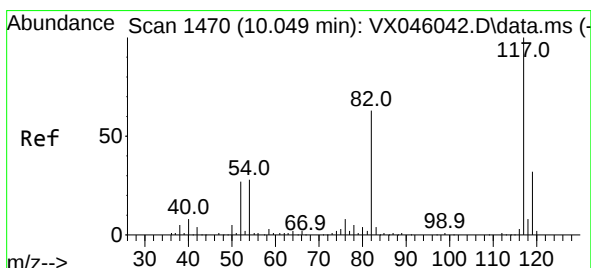
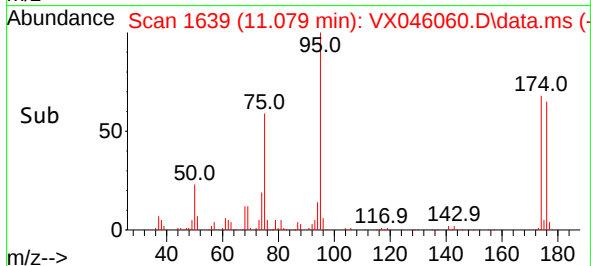
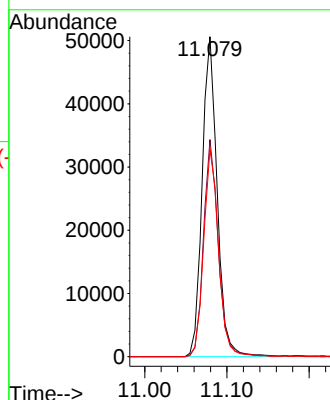
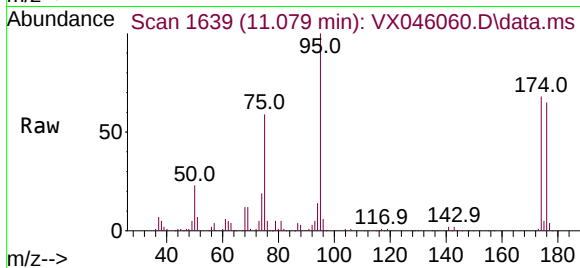




#62
4-Bromofluorobenzene
Concen: 51.848 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046060.D
Acq: 06 May 2025 13:48

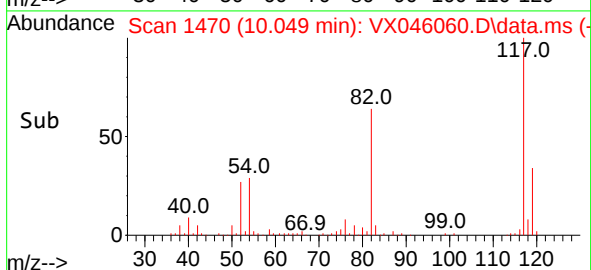
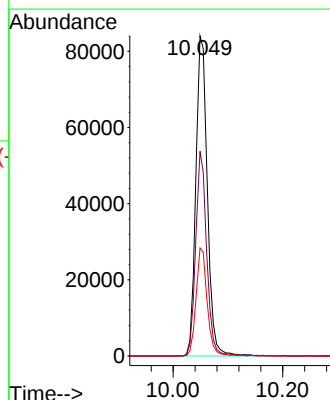
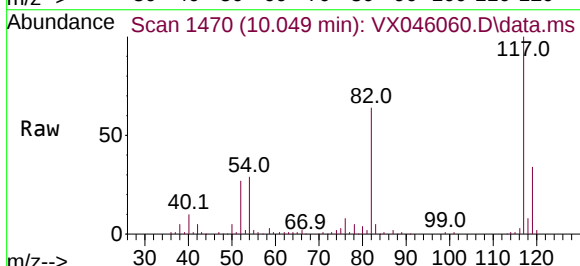
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#01

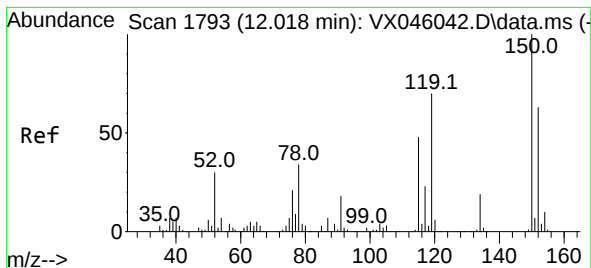
Tgt Ion: 95 Resp: 64123
Ion Ratio Lower Upper
95 100
174 66.9 0.0 135.8
176 64.5 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046060.D
Acq: 06 May 2025 13:48

Tgt Ion: 117 Resp: 123343
Ion Ratio Lower Upper
117 100
82 63.9 50.6 76.0
119 33.8 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046060.D

Acq: 06 May 2025 13:48

Instrument :

MSVOA_X

ClientSampleId :

PB167852ZHE#01

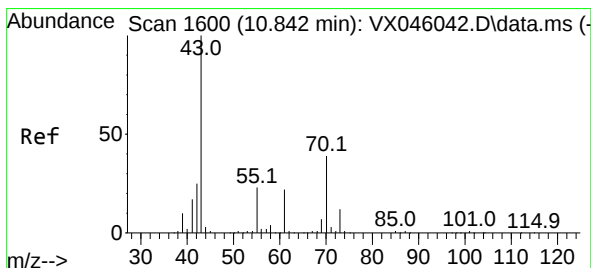
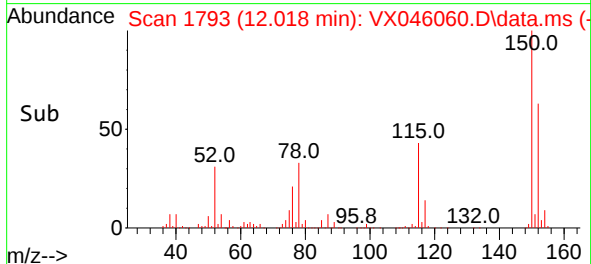
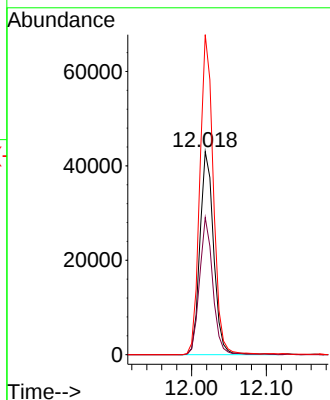
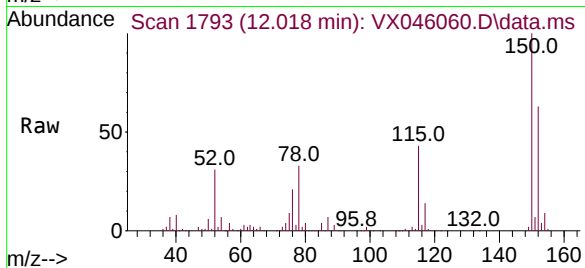
Tgt Ion:152 Resp: 54743

Ion Ratio Lower Upper

152 100

115 65.0 46.9 140.7

150 154.8 0.0 351.0



#74

N-ethyl acetate

Concen: 0.761 ug/l

RT: 10.787 min Scan# 1591

Delta R.T. -0.055 min

Lab File: VX046060.D

Acq: 06 May 2025 13:48

Tgt Ion: 43 Resp: 1603

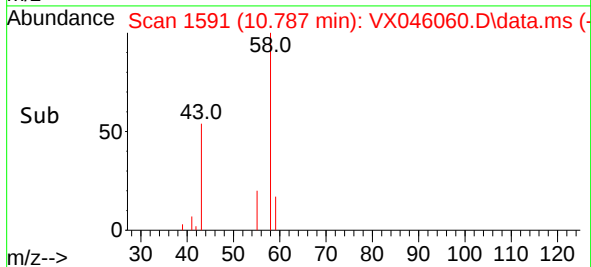
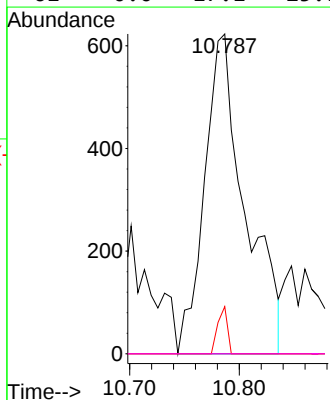
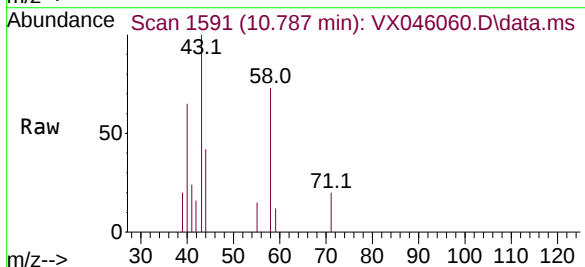
Ion Ratio Lower Upper

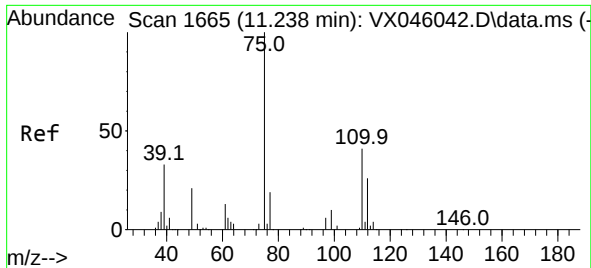
43 100

70 0.0 30.9 46.3#

55 3.5 18.7 28.1#

61 0.0 17.1 25.7#

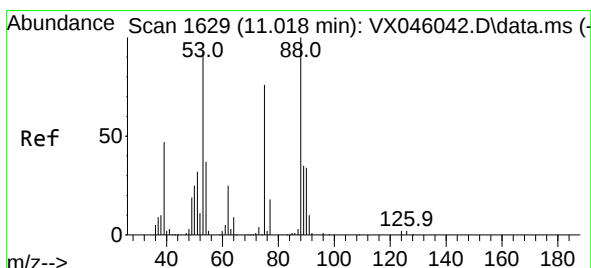
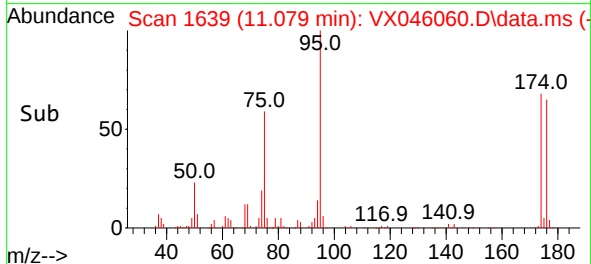
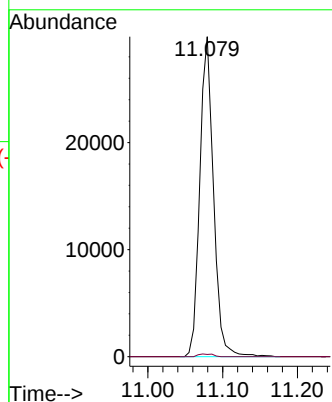
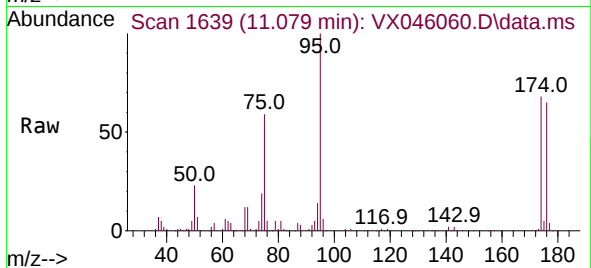




#76
1,2,3-Trichloropropane
Concen: 28.901 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX046060.D
Acq: 06 May 2025 13:48

Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#01

Tgt Ion: 75 Resp: 38082
Ion Ratio Lower Upper
75 100
77 0.9 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.091 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046060.D
Acq: 06 May 2025 13:48

Tgt Ion: 75 Resp: 38082
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

