

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050625\
 Data File : VX046061.D
 Acq On : 06 May 2025 14:12
 Operator : JC/MD
 Sample : PB167852ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167852ZHE#02

Quant Time: May 07 01:46:42 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)

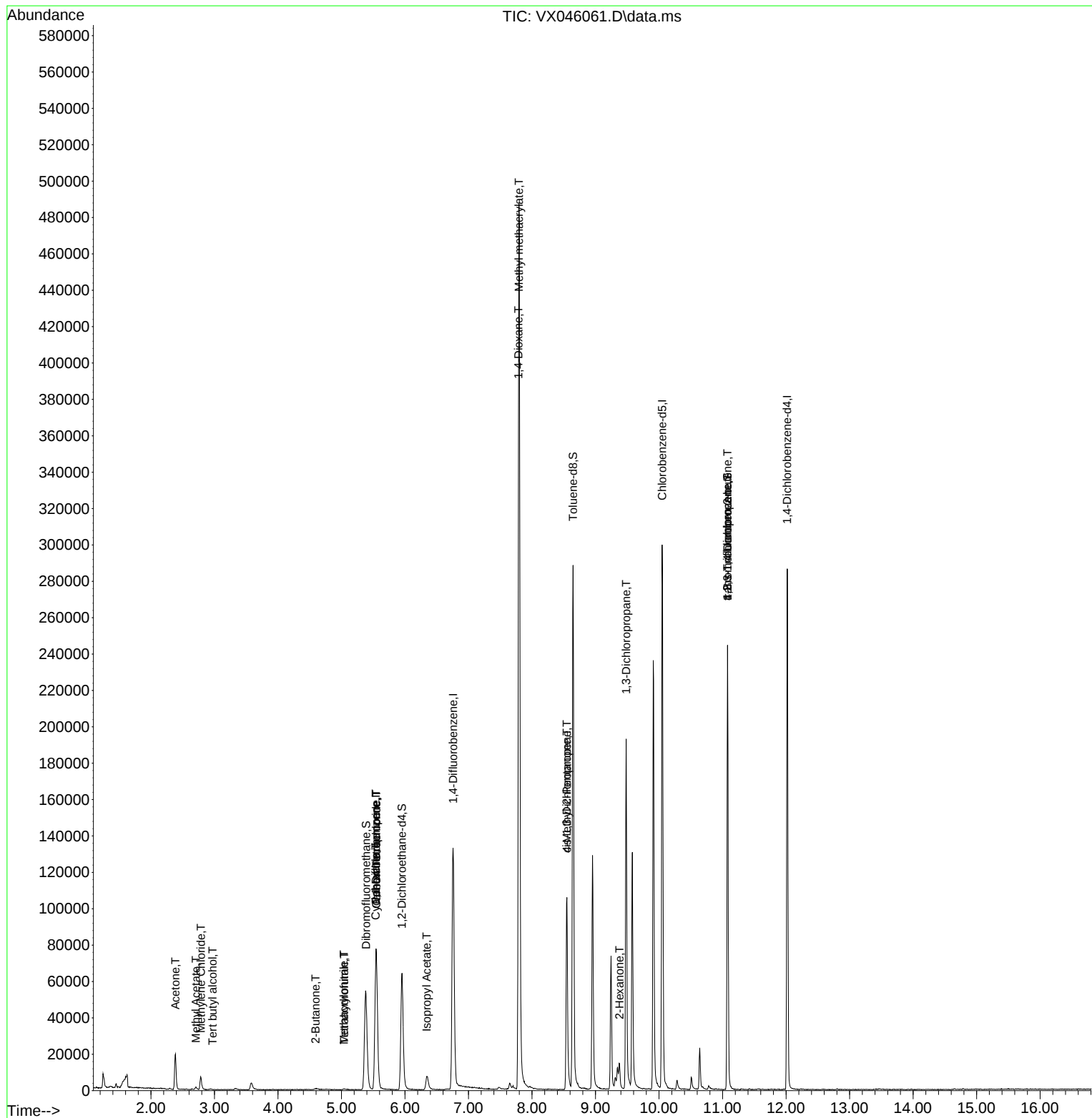
Internal Standards						
1) Pentafluorobenzene	5.544	168	64468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129620	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	122599	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52490	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64414	53.594	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.180%	
35) Dibromofluoromethane	5.385	113	46760	50.096	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.200%	
50) Toluene-d8	8.647	98	164273	50.849	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.700%	
62) 4-Bromofluorobenzene	11.079	95	64068	51.700	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.400%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.971	59	87	0.516	ug/l #	72
16) Acetone	2.386	43	21564	44.748	ug/l	99
18) Methyl Acetate	2.709	43	1759	1.573	ug/l	96
20) Methylene Chloride	2.788	84	3240	3.508	ug/l	87
25) 2-Butanone	4.593	43	1814	2.593	ug/l #	78
29) Tetrahydrofuran	5.044	42	271	0.618	ug/l #	73
31) Cyclohexane	5.537	56	1912	1.335	ug/l #	24
36) 1,1-Dichloropropene	5.544	75	6732	5.368	ug/l #	51
38) Carbon Tetrachloride	5.550	117	7433	5.275	ug/l #	16
41) Methacrylonitrile	5.038	41	172	0.212	ug/l #	37
43) Isopropyl Acetate	6.342	43	11835	5.007	ug/l	97
48) Methyl methacrylate	7.793	41	48745	40.378	ug/l #	49
49) 1,4-Dioxane	7.787	88	40	1.745	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	42402	27.024	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	16089	11.542	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	1530	0.959	ug/l #	42
59) 2-Hexanone	9.378	43	13472	11.605	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	37082	29.350	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	37082	95.553	ug/l #	1

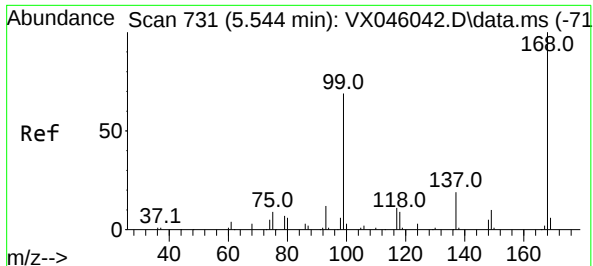
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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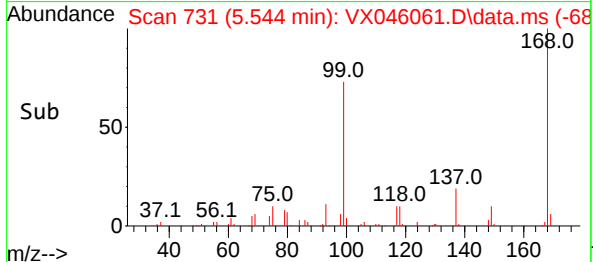
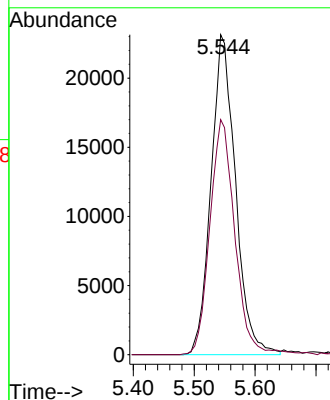
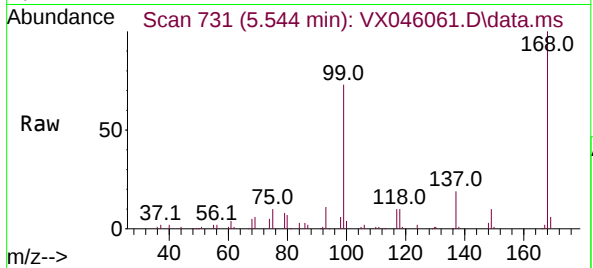




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046061.D
Acq: 06 May 2025 14:12

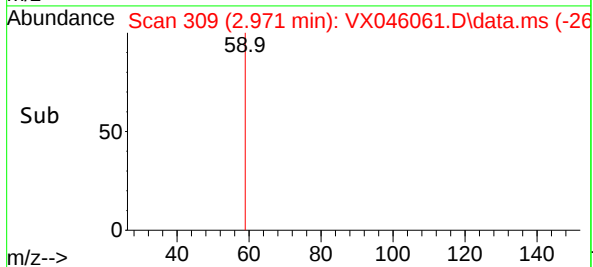
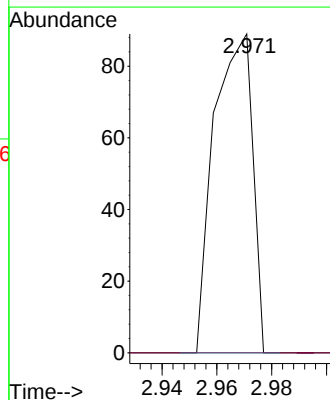
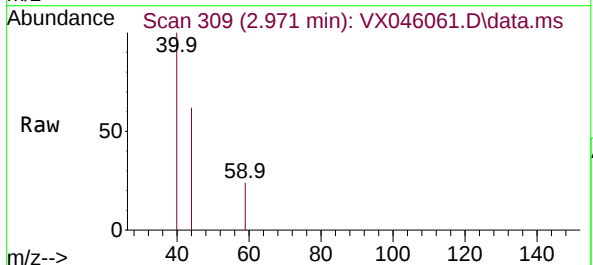
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#02

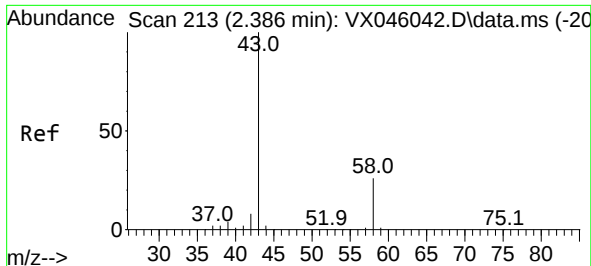
Tgt Ion:168 Resp: 64468
Ion Ratio Lower Upper
168 100
99 73.5 54.9 82.3



#11
Tert butyl alcohol
Concen: 0.516 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX046061.D
Acq: 06 May 2025 14:12

Tgt Ion: 59 Resp: 87
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

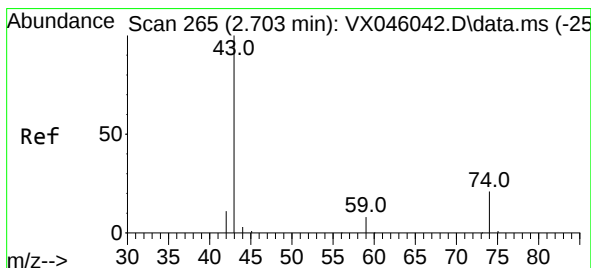
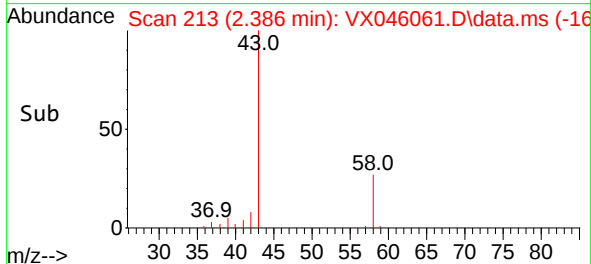
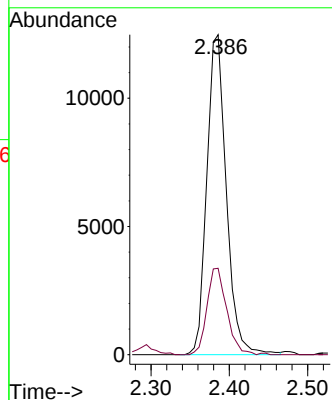
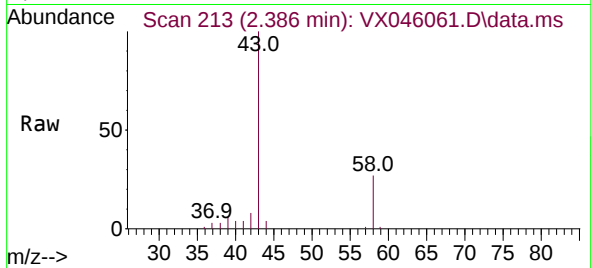




#16
Acetone
Concen: 44.748 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046061.D
Acq: 06 May 2025 14:12

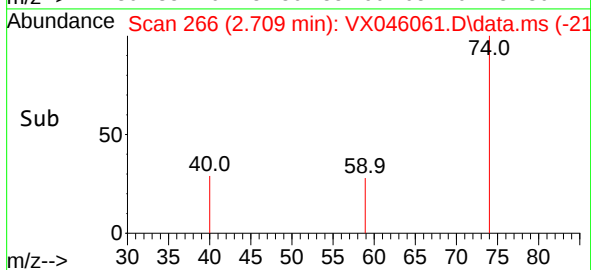
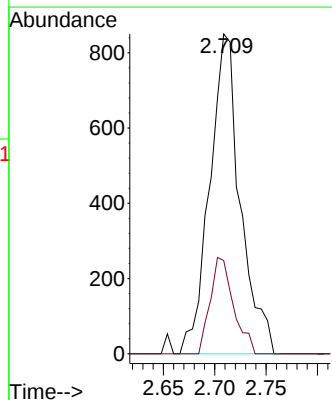
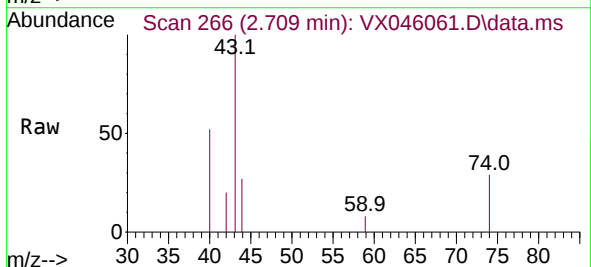
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#02

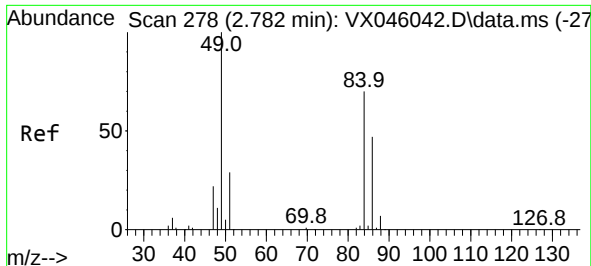
Tgt Ion: 43 Resp: 21564
Ion Ratio Lower Upper
43 100
58 27.0 21.2 31.8



#18
Methyl Acetate
Concen: 1.573 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046061.D
Acq: 06 May 2025 14:12

Tgt Ion: 43 Resp: 1759
Ion Ratio Lower Upper
43 100
74 23.0 16.7 25.1

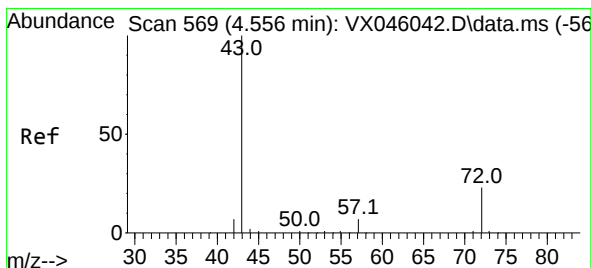
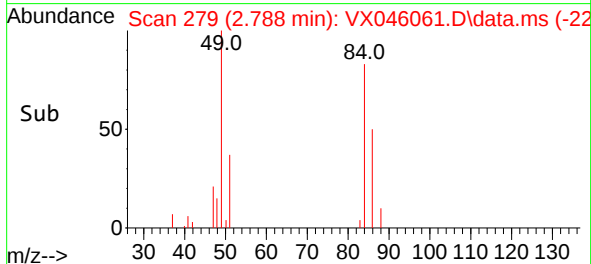
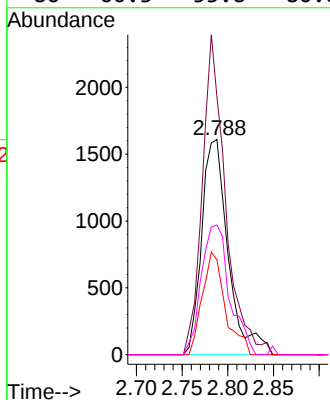
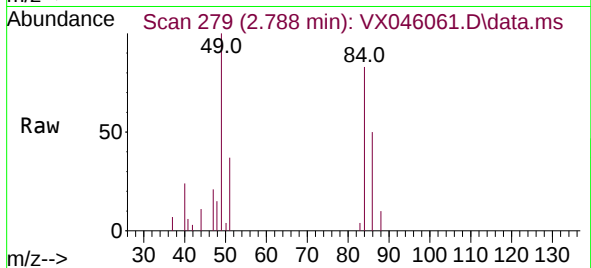




#20
Methylene Chloride
Concen: 3.508 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046061.D
Acq: 06 May 2025 14:12

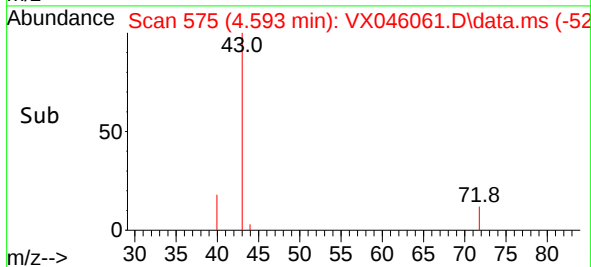
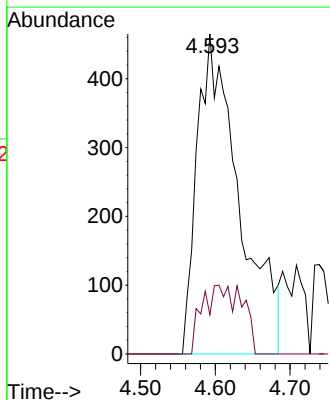
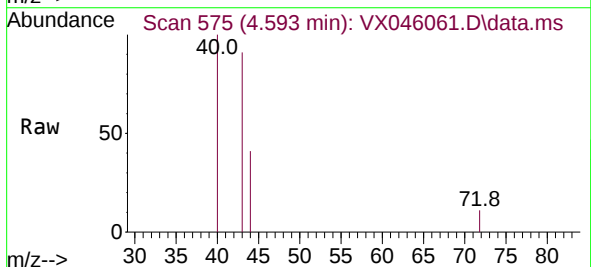
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#02

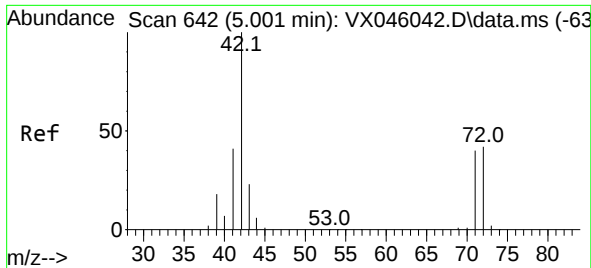
Tgt Ion:	84	Resp:	3240
Ion	Ratio	Lower	Upper
84	100		
49	119.8	113.9	170.9
51	44.1	33.5	50.3
86	60.3	53.8	80.8



#25
2-Butanone
Concen: 2.593 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.036 min
Lab File: VX046061.D
Acq: 06 May 2025 14:12

Tgt Ion:	43	Resp:	1814
Ion	Ratio	Lower	Upper
43	100		
72	12.3	18.4	27.6





#29

Tetrahydrofuran

Concen: 0.618 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.043 min

Lab File: VX046061.D

Acq: 06 May 2025 14:12

Instrument :

MSVOA_X

ClientSampleId :

PB167852ZHE#02

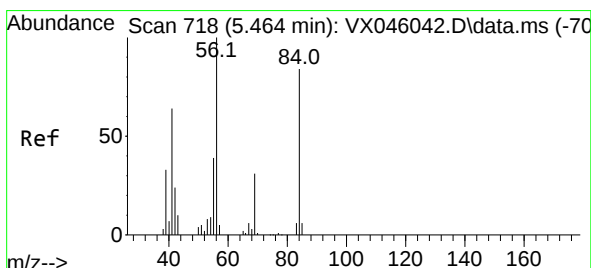
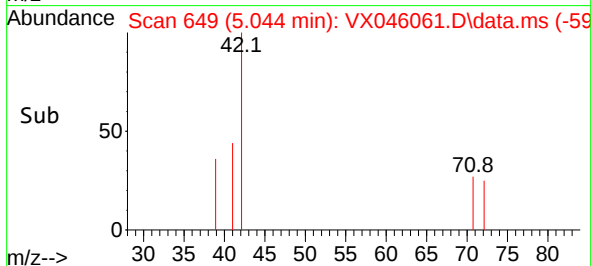
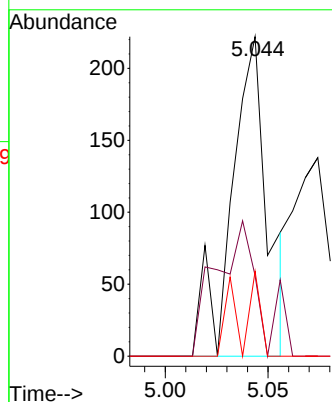
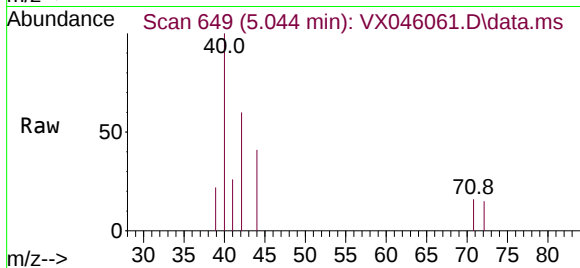
Tgt Ion: 42 Resp: 271

Ion Ratio Lower Upper

42 100

72 51.7 33.7 50.5#

71 15.5 31.4 47.2#



#31

Cyclohexane

Concen: 1.335 ug/l

RT: 5.537 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX046061.D

Acq: 06 May 2025 14:12

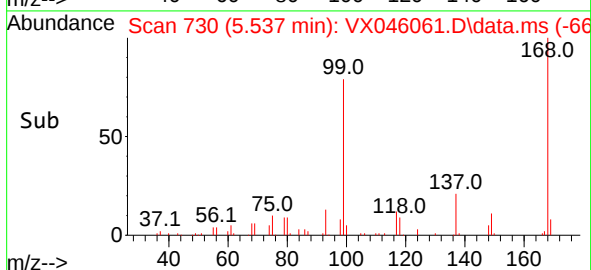
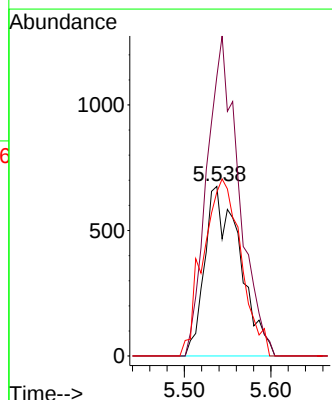
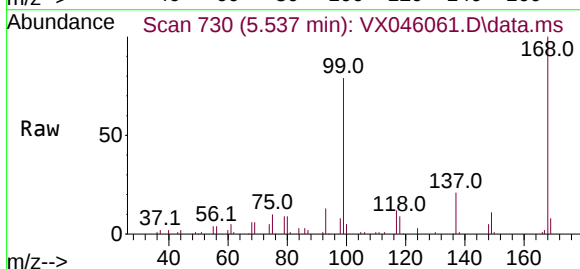
Tgt Ion: 56 Resp: 1912

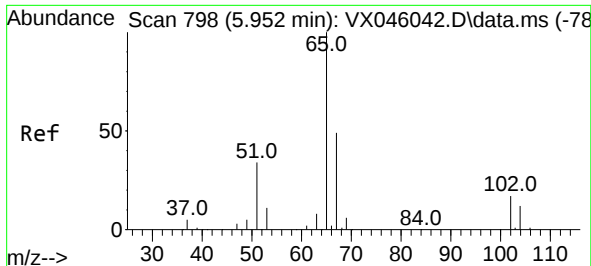
Ion Ratio Lower Upper

56 100

69 164.8 24.4 36.6#

84 96.6 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 53.594 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046061.D

Acq: 06 May 2025 14:12

Instrument :

MSVOA_X

ClientSampleId :

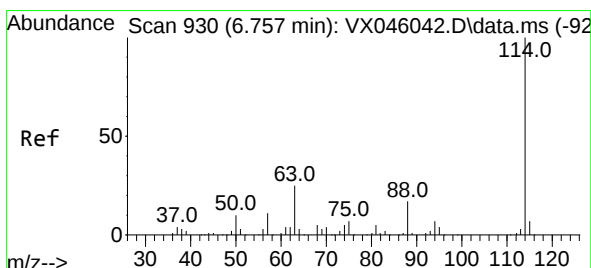
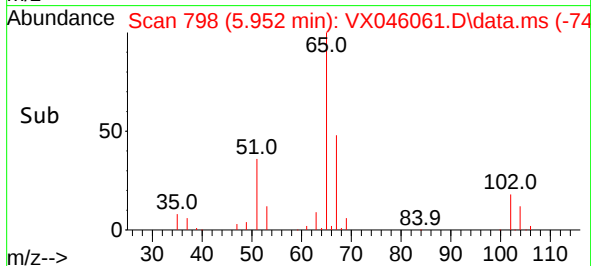
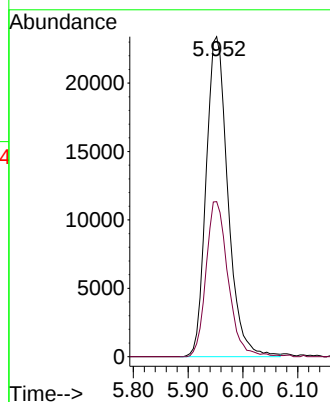
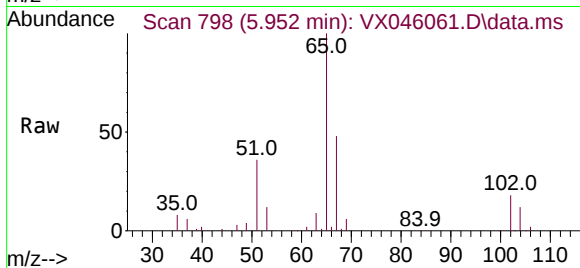
PB167852ZHE#02

Tgt Ion: 65 Resp: 64414

Ion Ratio Lower Upper

65 100

67 49.1 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: VX046061.D

Acq: 06 May 2025 14:12

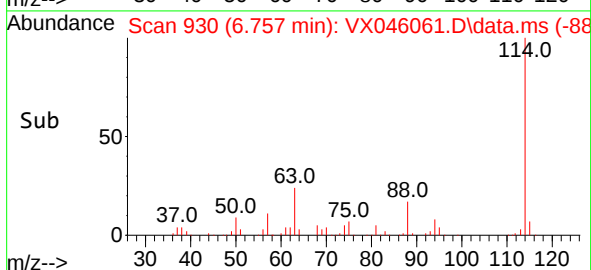
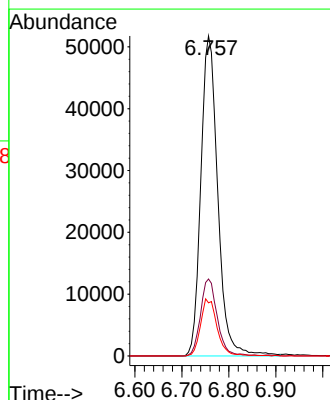
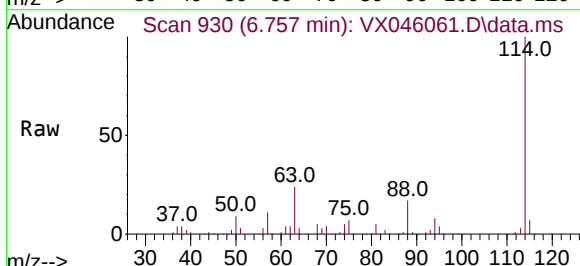
Tgt Ion: 114 Resp: 129620

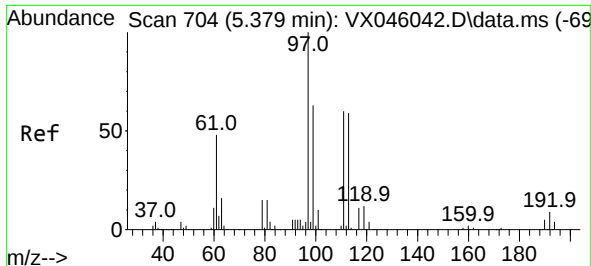
Ion Ratio Lower Upper

114 100

63 24.1 0.0 49.2

88 16.6 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.096 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX046061.D

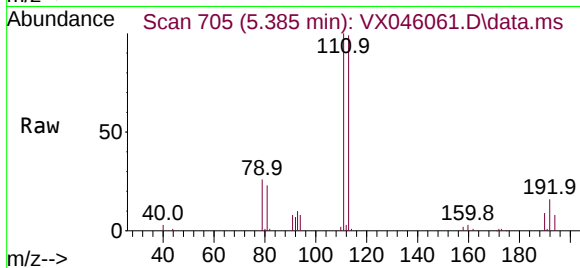
Acq: 06 May 2025 14:12

Instrument :

MSVOA_X

ClientSampleId :

PB167852ZHE#02



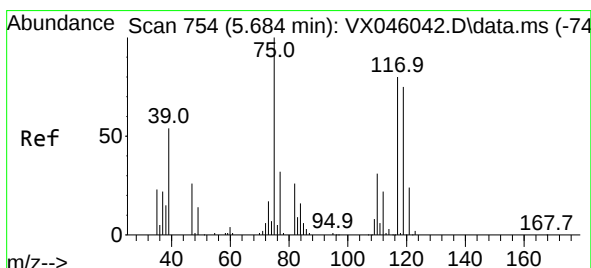
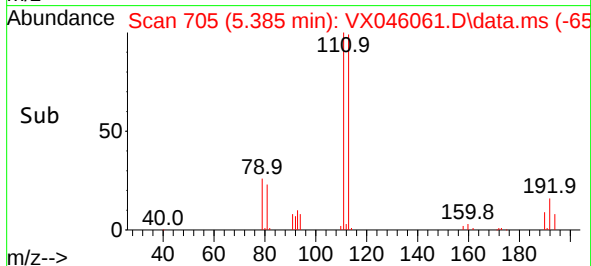
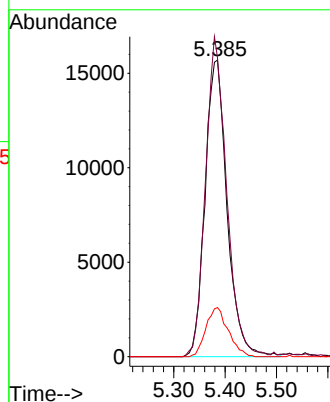
Tgt Ion:113 Resp: 46760

Ion Ratio Lower Upper

113 100

111 103.3 83.1 124.7

192 16.8 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.368 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.140 min

Lab File: VX046061.D

Acq: 06 May 2025 14:12

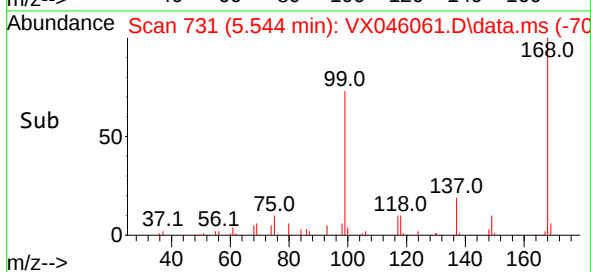
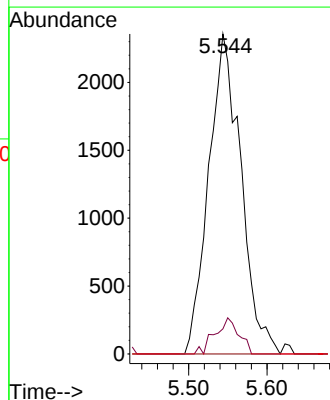
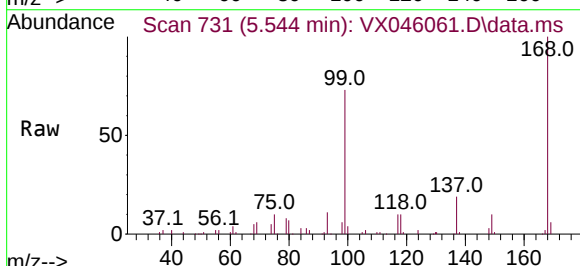
Tgt Ion: 75 Resp: 6732

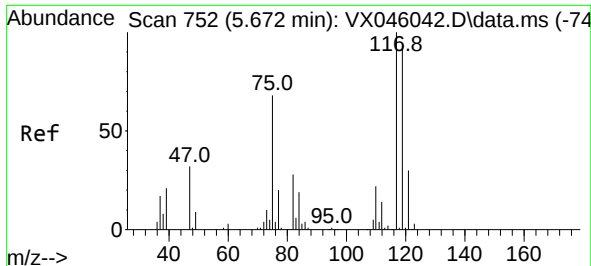
Ion Ratio Lower Upper

75 100

110 8.4 16.3 48.9#

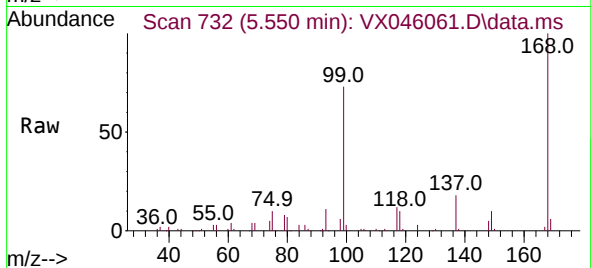
77 0.0 24.3 36.5#



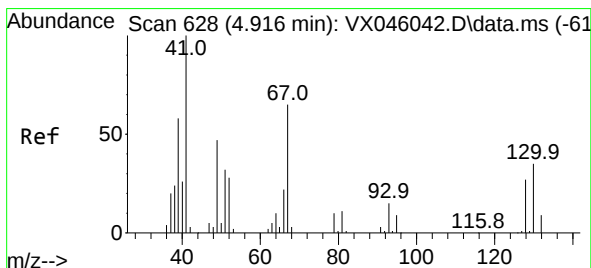
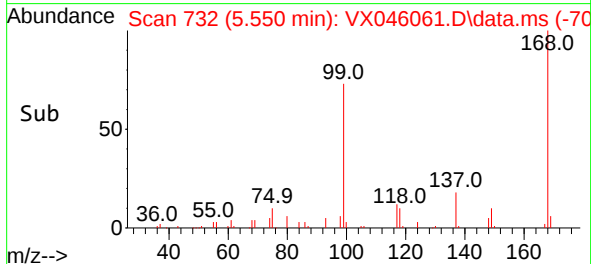
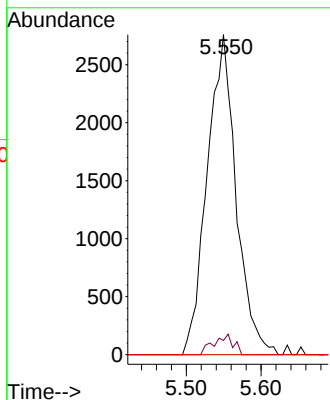


#38
Carbon Tetrachloride
Concen: 5.275 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX046061.D
Acq: 06 May 2025 14:12

Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#02

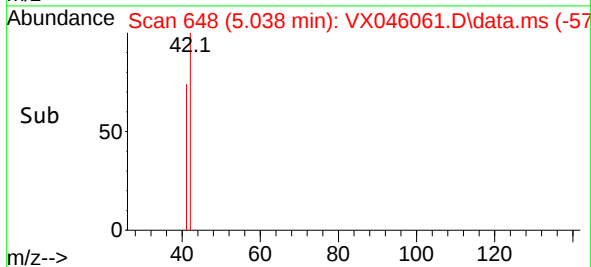
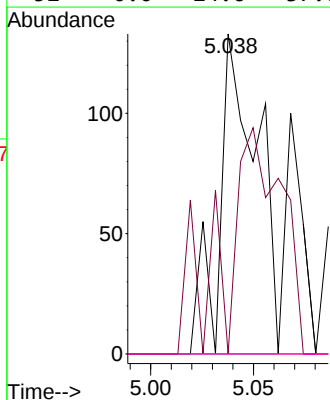
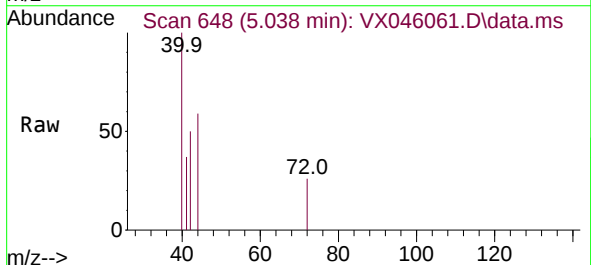


Tgt Ion:117 Resp: 7433
Ion Ratio Lower Upper
117 100
119 4.4 75.2 112.8#
121 0.0 24.2 36.4#



#41
Methacrylonitrile
Concen: 0.212 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.122 min
Lab File: VX046061.D
Acq: 06 May 2025 14:12

Tgt Ion: 41 Resp: 172
Ion Ratio Lower Upper
41 100
39 94.2 47.2 70.8#
67 0.0 50.7 76.1#
52 0.0 24.6 37.0#

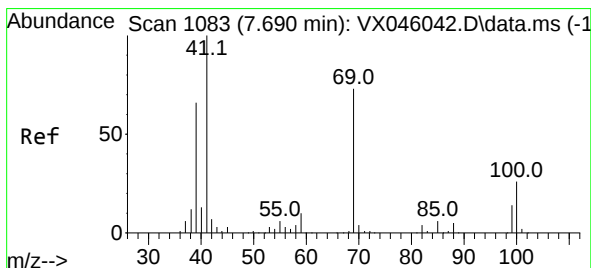
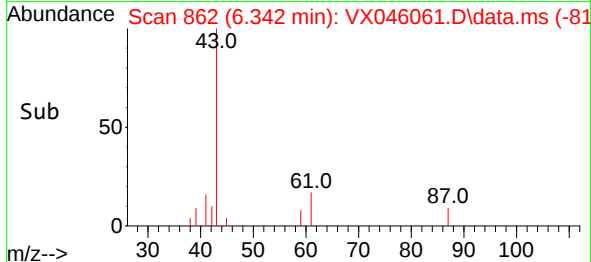
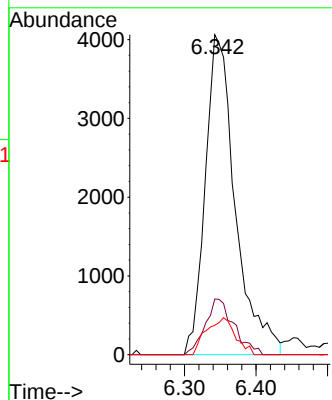
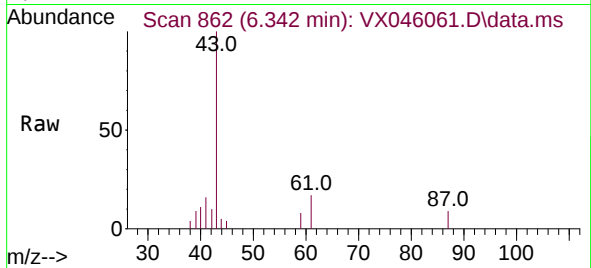




#43
Isopropyl Acetate
Concen: 5.007 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX046061.D
Acq: 06 May 2025 14:12

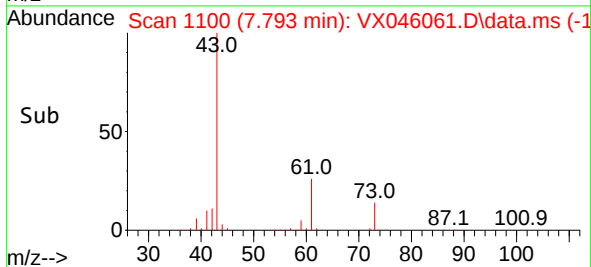
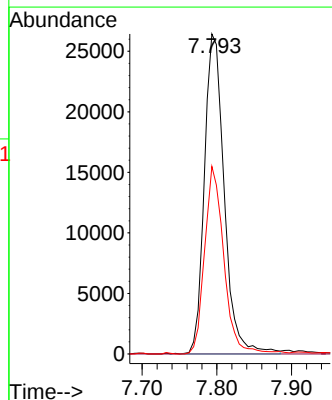
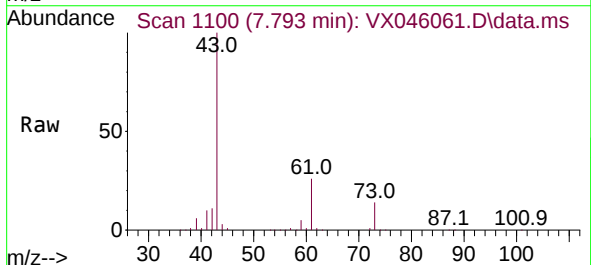
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#02

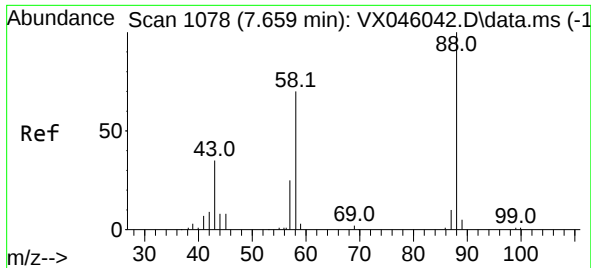
Tgt Ion: 43 Resp: 11835
Ion Ratio Lower Upper
43 100
61 16.6 14.3 21.5
87 11.1 9.5 14.3



#48
Methyl methacrylate
Concen: 40.378 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046061.D
Acq: 06 May 2025 14:12

Tgt Ion: 41 Resp: 48745
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 57.0 51.7 77.5

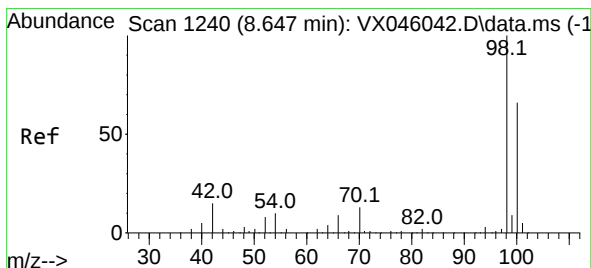
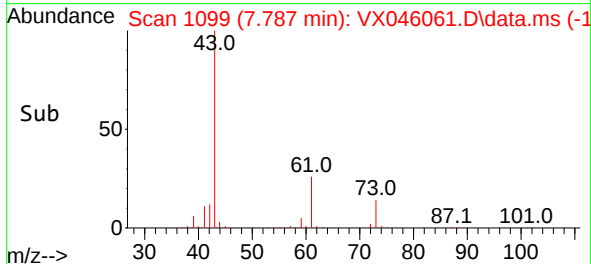
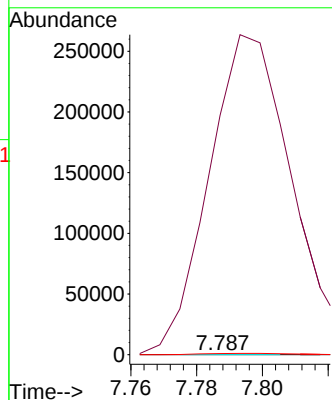
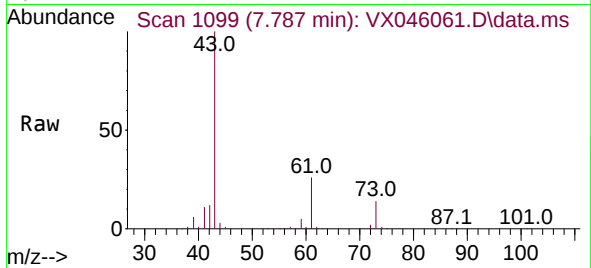




#49
1,4-Dioxane
Concen: 1.745 ug/l
RT: 7.787 min Scan# 1099
Delta R.T. 0.128 min
Lab File: VX046061.D
Acq: 06 May 2025 14:12

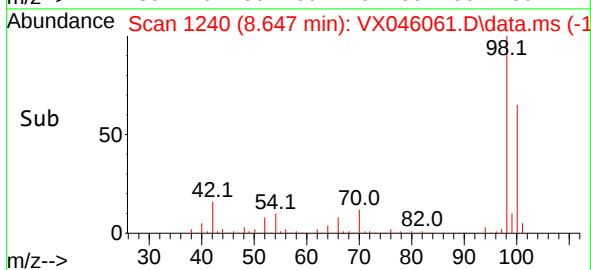
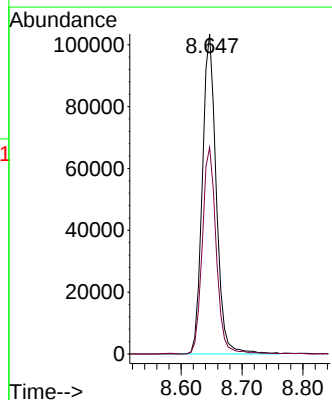
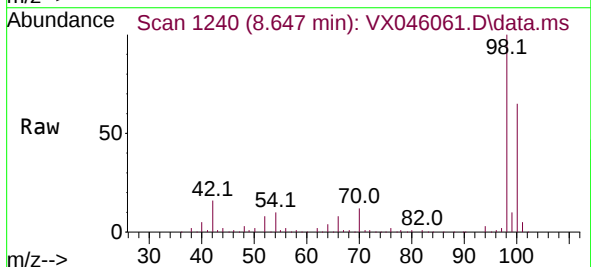
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#02

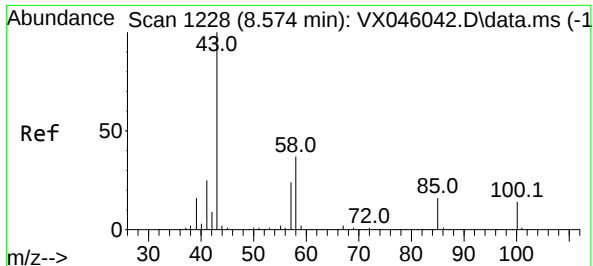
Tgt Ion: 88 Resp: 40
Ion Ratio Lower Upper
88 100
43 1201160.0 33.4 50.2#
58 5322.5 58.6 88.0#



#50
Toluene-d8
Concen: 50.849 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046061.D
Acq: 06 May 2025 14:12

Tgt Ion: 98 Resp: 164273
Ion Ratio Lower Upper
98 100
100 64.7 53.5 80.3

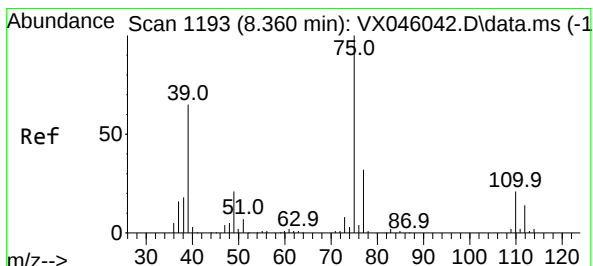
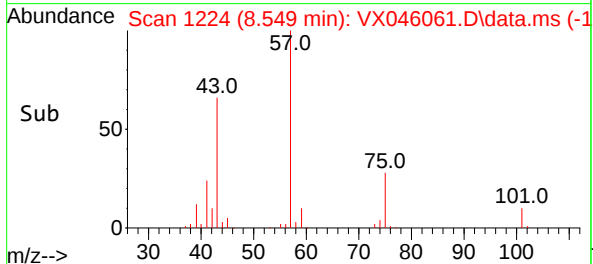
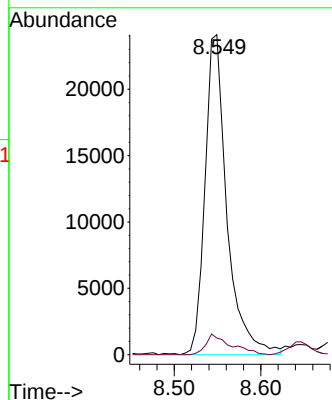
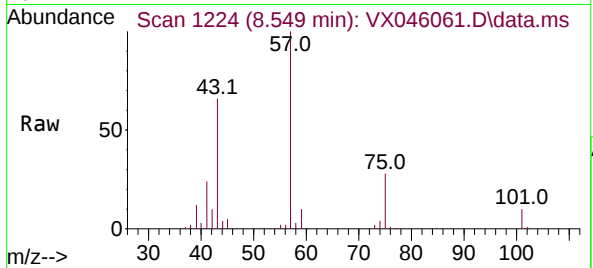




#51
4-Methyl-2-Pentanone
Concen: 27.024 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX046061.D
Acq: 06 May 2025 14:12

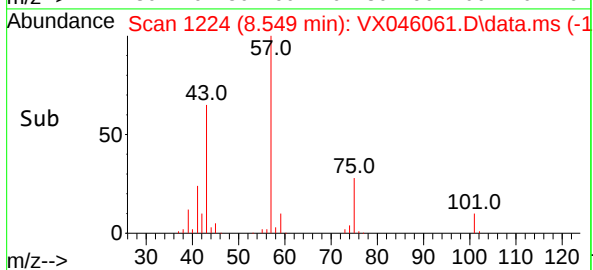
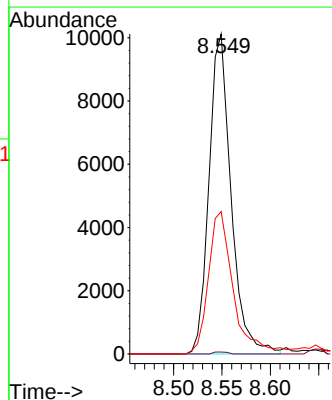
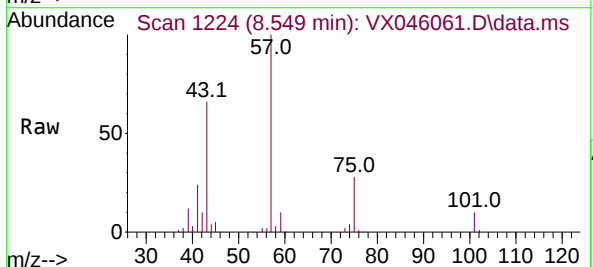
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#02

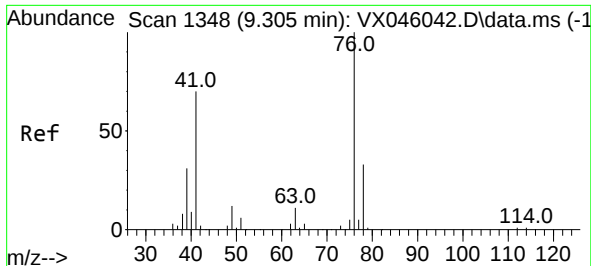
Tgt Ion: 43 Resp: 42402
Ion Ratio Lower Upper
43 100
58 7.3 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 11.542 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX046061.D
Acq: 06 May 2025 14:12

Tgt Ion: 75 Resp: 16089
Ion Ratio Lower Upper
75 100
77 0.6 25.4 38.0#
39 44.5 52.2 78.4#

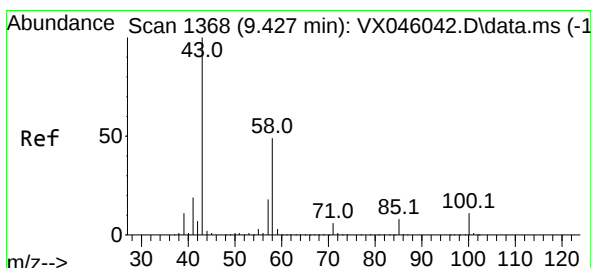
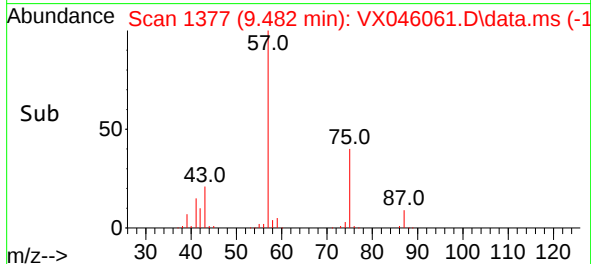
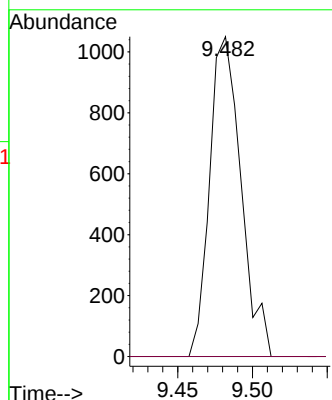
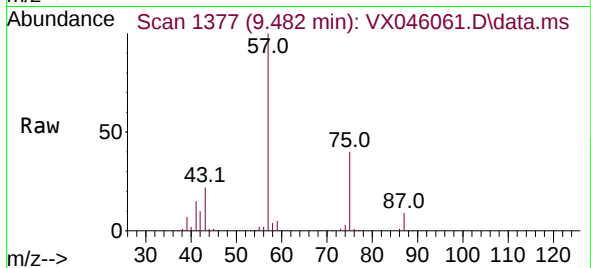




#57
1,3-Dichloropropane
Concen: 0.959 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX046061.D
Acq: 06 May 2025 14:12

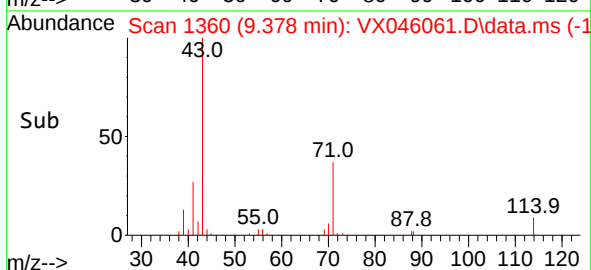
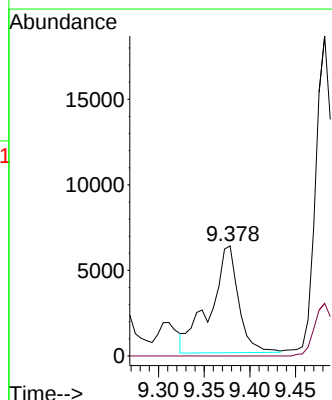
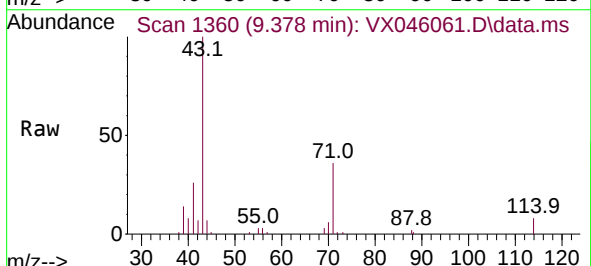
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#02

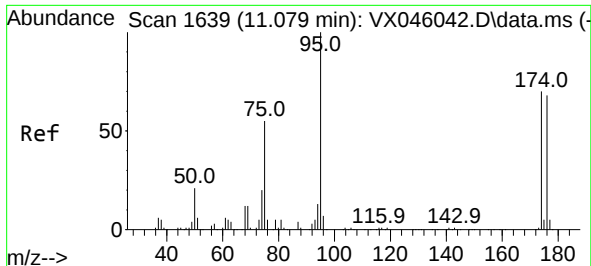
Tgt Ion: 76 Resp: 1530
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#



#59
2-Hexanone
Concen: 11.605 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX046061.D
Acq: 06 May 2025 14:12

Tgt Ion: 43 Resp: 13472
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#





#62

4-Bromofluorobenzene

Concen: 51.700 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX046061.D

Acq: 06 May 2025 14:12

Instrument :

MSVOA_X

ClientSampleId :

PB167852ZHE#02

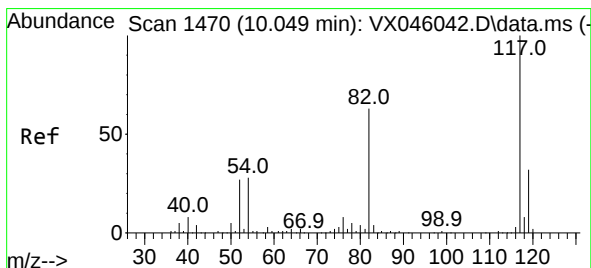
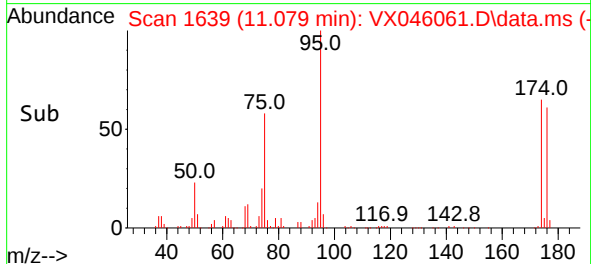
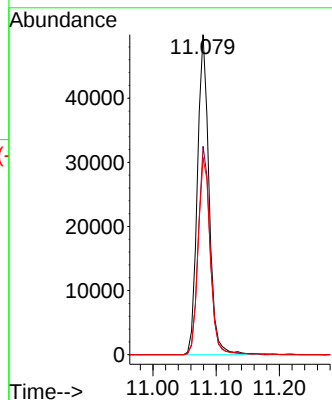
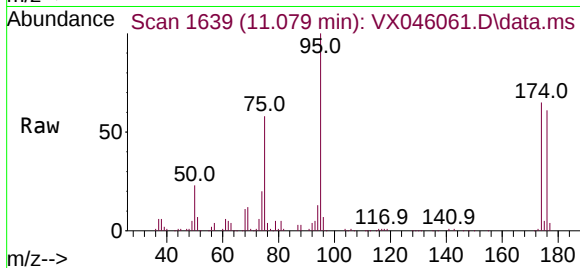
Tgt Ion: 95 Resp: 64068

Ion Ratio Lower Upper

95 100

174 66.0 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: VX046061.D

Acq: 06 May 2025 14:12

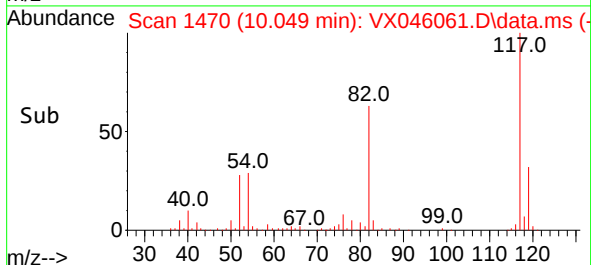
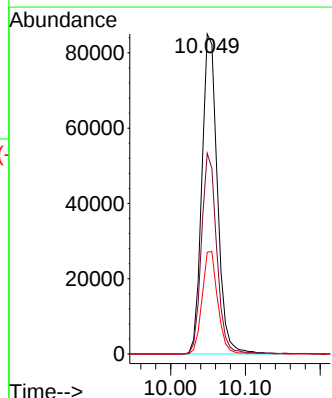
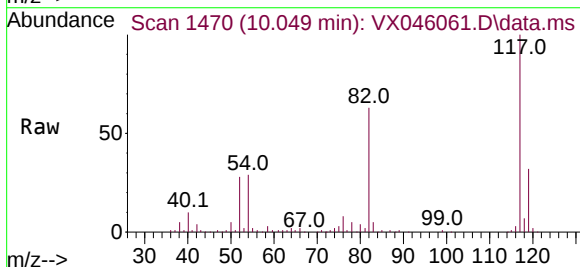
Tgt Ion: 117 Resp: 122599

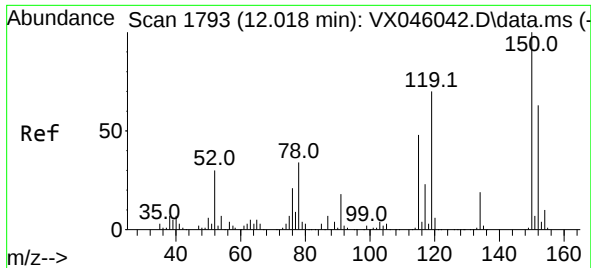
Ion Ratio Lower Upper

117 100

82 62.7 50.6 76.0

119 31.8 25.8 38.6

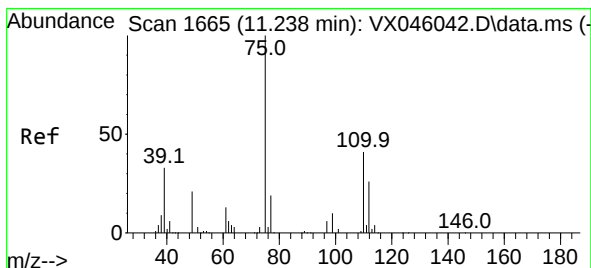
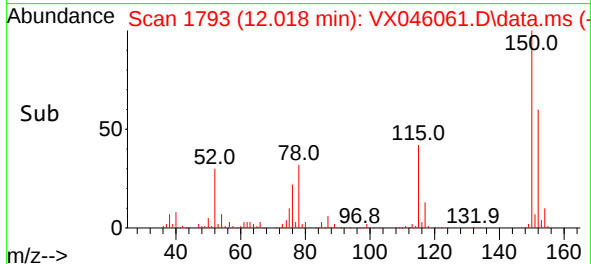
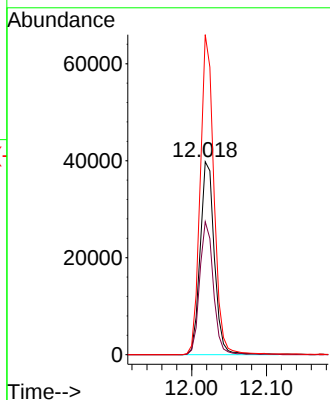
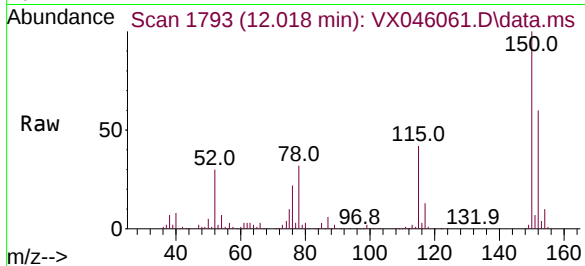




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046061.D
 Acq: 06 May 2025 14:12

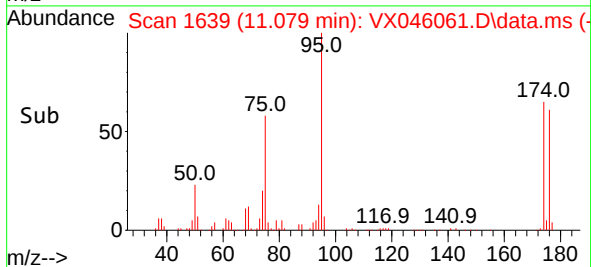
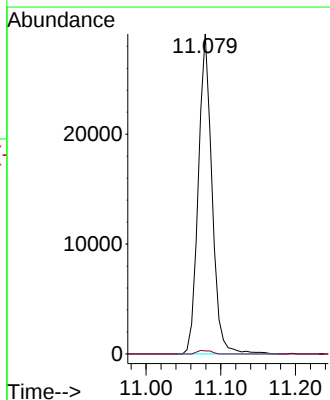
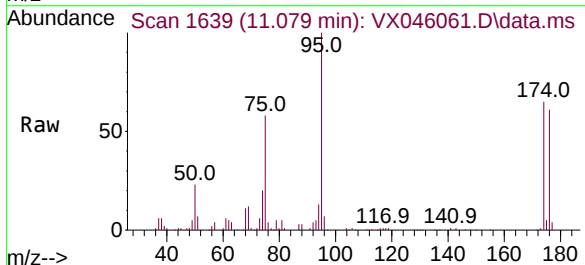
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167852ZHE#02

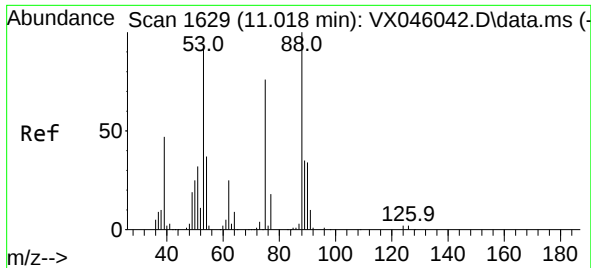
Tgt Ion:152 Resp: 52490
 Ion Ratio Lower Upper
 152 100
 115 66.3 46.9 140.7
 150 160.2 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 29.350 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046061.D
 Acq: 06 May 2025 14:12

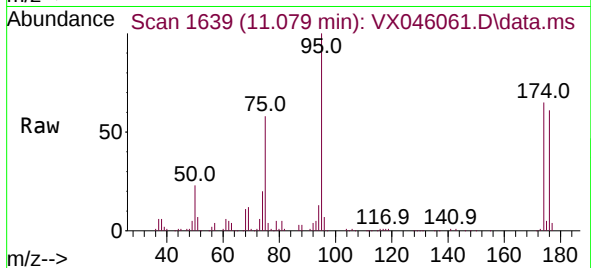
Tgt Ion: 75 Resp: 37082
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.553 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046061.D
 Acq: 06 May 2025 14:12

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167852ZHE#02



Tgt Ion: 75 Resp: 37082
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

