

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050825\
 Data File : VX046086.D
 Acq On : 08 May 2025 13:18
 Operator : JC/MD
 Sample : PB167895TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167895TB

Quant Time: May 09 01:56:44 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)

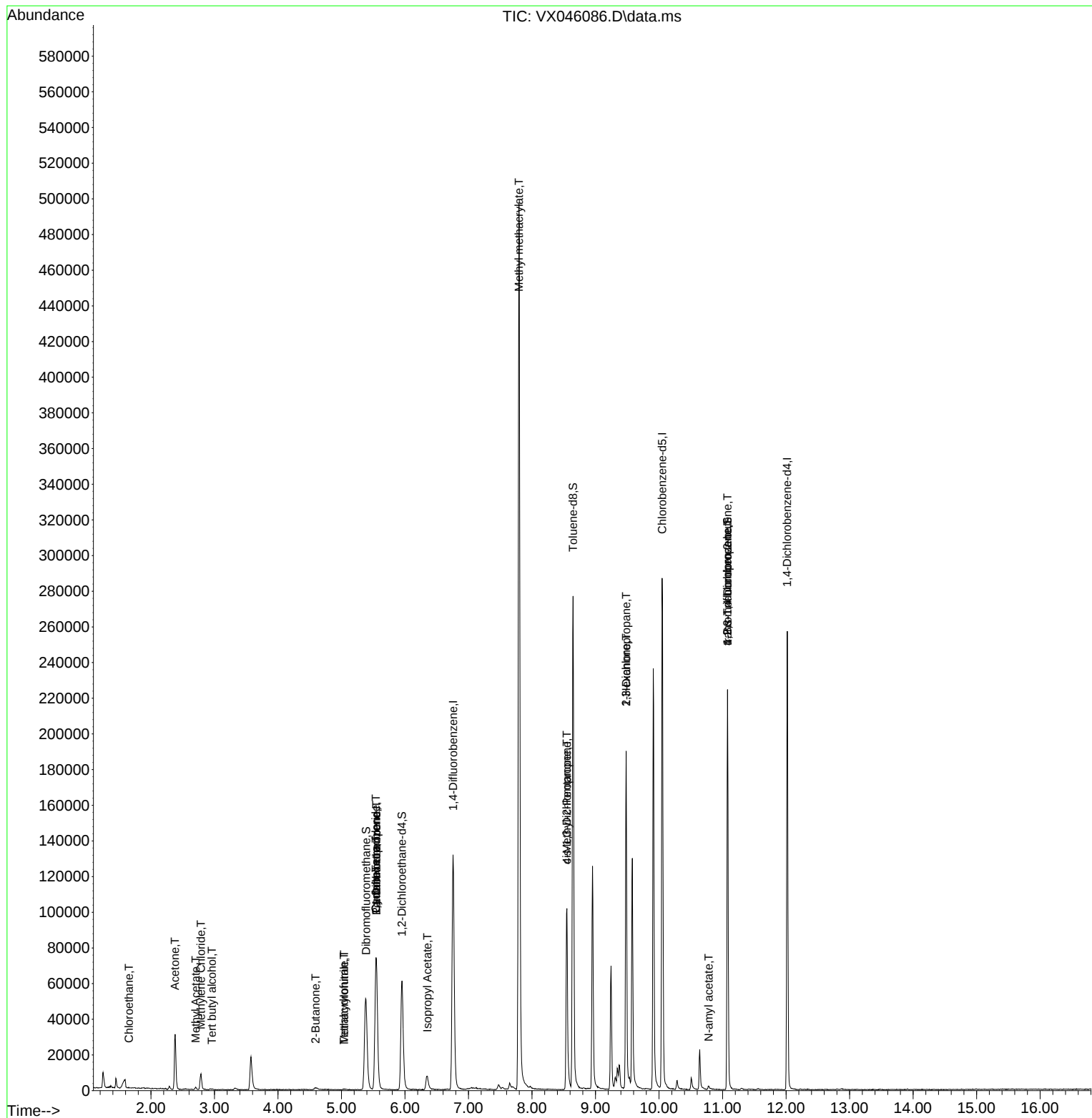
Internal Standards						
1) Pentafluorobenzene	5.550	168	63588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	125967	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	117113	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	46772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62825	52.995	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.000%			
35) Dibromofluoromethane	5.385	113	45822	50.515	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.040%			
50) Toluene-d8	8.647	98	159277	50.732	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.460%			
62) 4-Bromofluorobenzene	11.079	95	58671	48.718	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.440%			
Target Compounds					Qvalue	
6) Chloroethane	1.654	64	277	0.591	ug/l #	44
11) Tert butyl alcohol	2.959	59	413	2.482	ug/l #	72
16) Acetone	2.380	43	34819	73.253	ug/l	96
18) Methyl Acetate	2.703	43	1549	1.404	ug/l	100
20) Methylene Chloride	2.788	84	3988	4.378	ug/l	88
25) 2-Butanone	4.593	43	3016	4.371	ug/l	93
29) Tetrahydrofuran	5.038	42	354	0.819	ug/l #	45
31) Cyclohexane	5.544	56	1861	1.317	ug/l #	25
36) 1,1-Dichloropropene	5.550	75	6083	4.991	ug/l #	48
38) Carbon Tetrachloride	5.544	117	7591	5.543	ug/l #	16
41) Methacrylonitrile	5.044	41	186	0.236	ug/l #	50
43) Isopropyl Acetate	6.355	43	11952	5.203	ug/l	98
48) Methyl methacrylate	7.793	41	49215	41.950	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	41357	27.122	ug/l #	52
54) cis-1,3-Dichloropropene	8.549	75	15507	11.447	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	1582	1.021	ug/l #	42
59) 2-Hexanone	9.482	43	25522	22.623	ug/l #	54
74) N-amyl acetate	10.781	43	1422	0.790	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	33536	29.788	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33536	96.980	ug/l #	1

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

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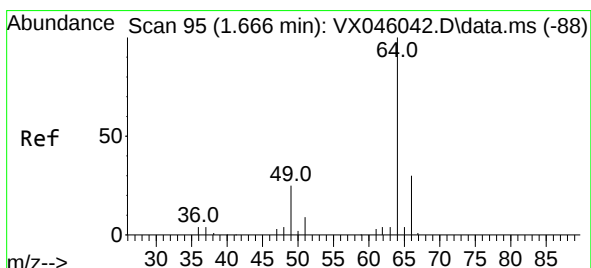
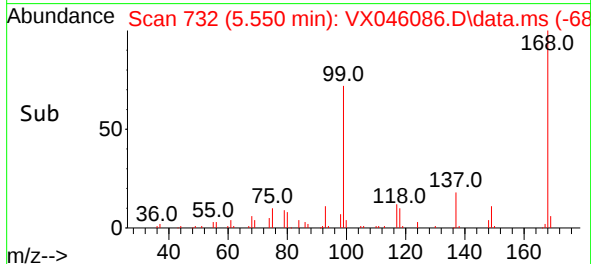
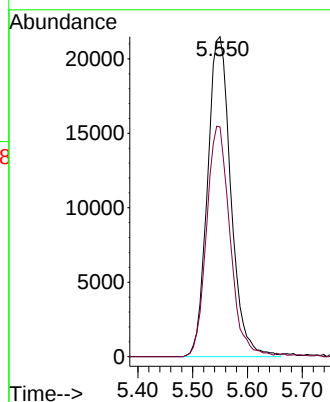
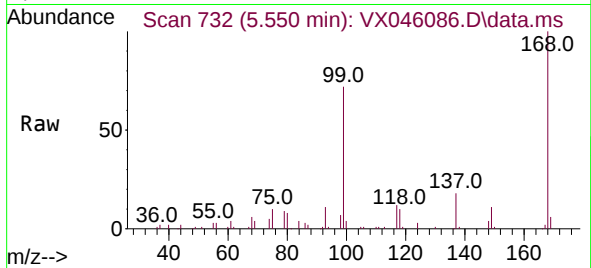




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046086.D
Acq: 08 May 2025 13:18

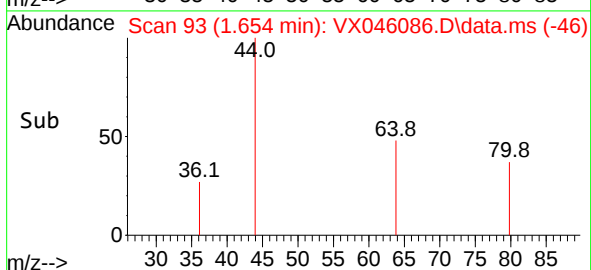
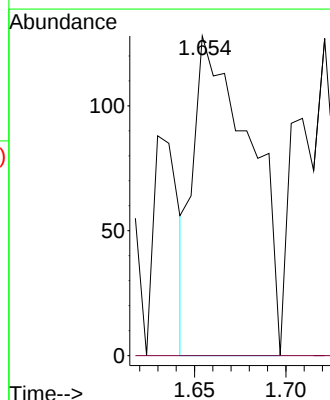
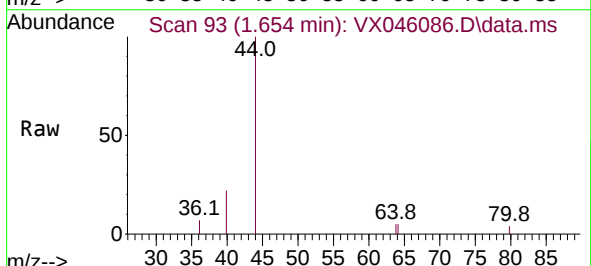
Instrument :
MSVOA_X
ClientSampleId :
PB167895TB

Tgt Ion:168 Resp: 63588
Ion Ratio Lower Upper
168 100
99 71.8 54.9 82.3



#6
Chloroethane
Concen: 0.591 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.012 min
Lab File: VX046086.D
Acq: 08 May 2025 13:18

Tgt Ion: 64 Resp: 277
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5

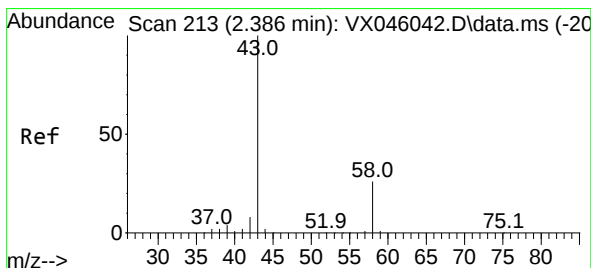
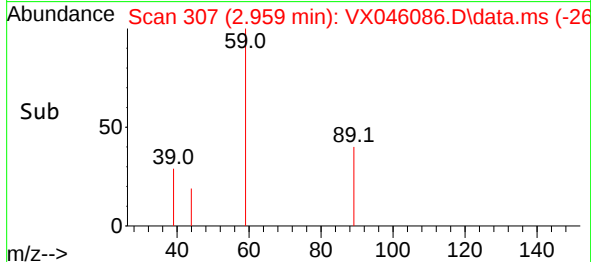
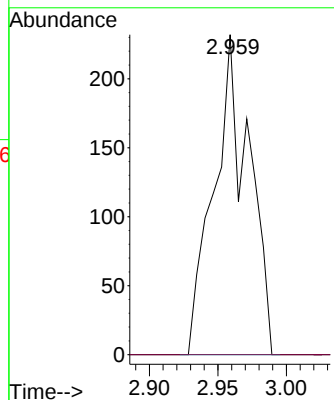
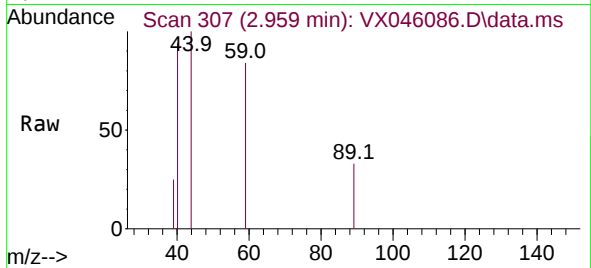




#11
Tert butyl alcohol
Concen: 2.482 ug/l
RT: 2.959 min Scan# 30
Delta R.T. -0.018 min
Lab File: VX046086.D
Acq: 08 May 2025 13:18

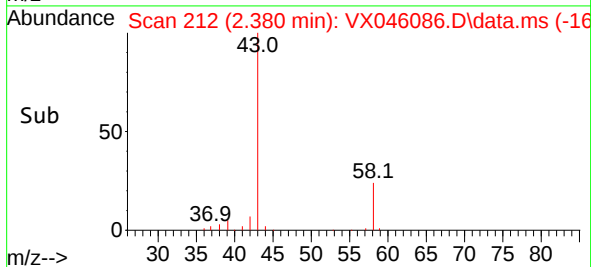
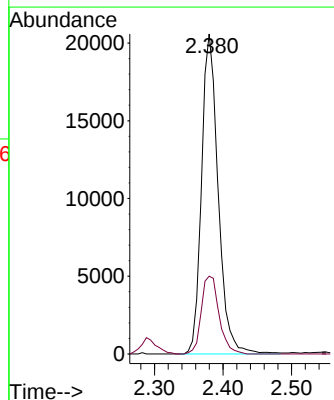
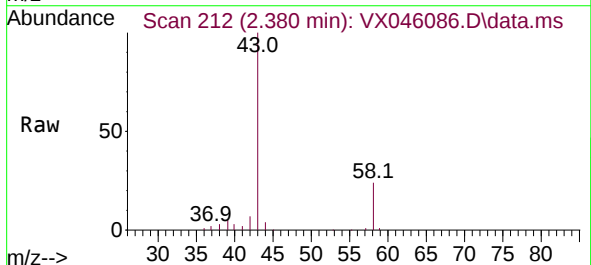
Instrument :
MSVOA_X
ClientSampleId :
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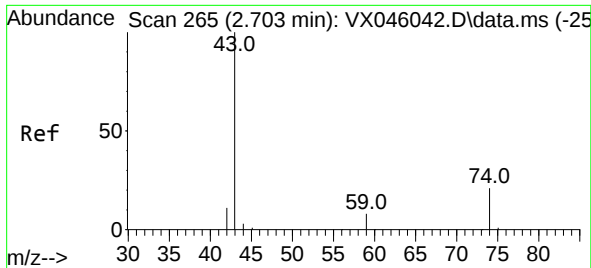
Tgt Ion: 59 Resp: 413
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 73.253 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046086.D
Acq: 08 May 2025 13:18

Tgt Ion: 43 Resp: 34819
Ion Ratio Lower Upper
43 100
58 24.3 21.2 31.8

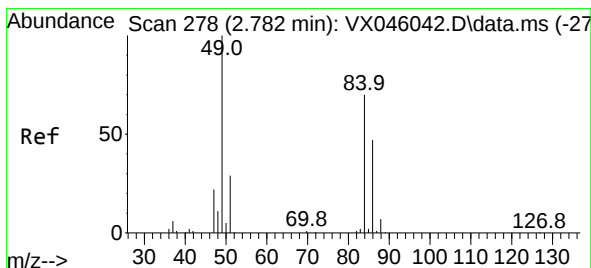
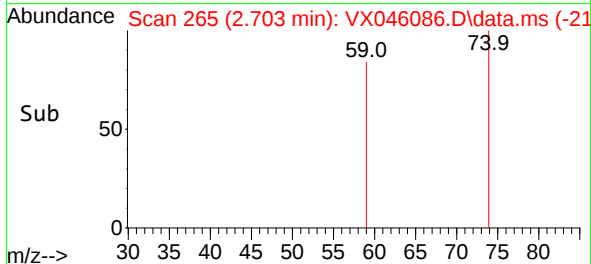
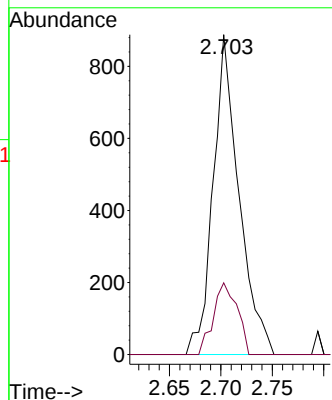
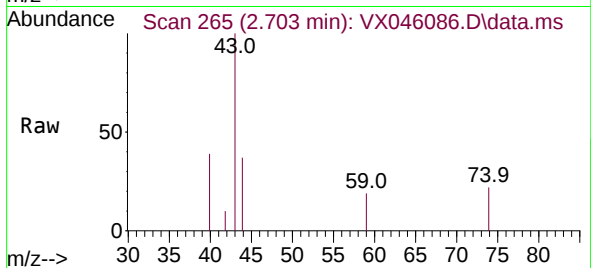




#18
Methyl Acetate
Concen: 1.404 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX046086.D
Acq: 08 May 2025 13:18

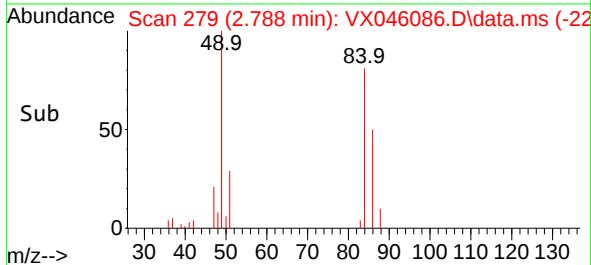
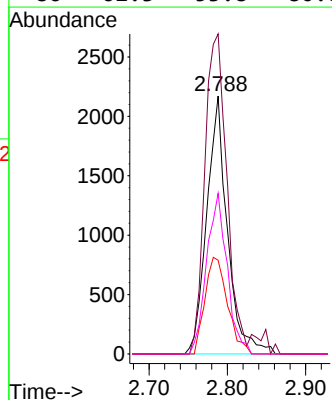
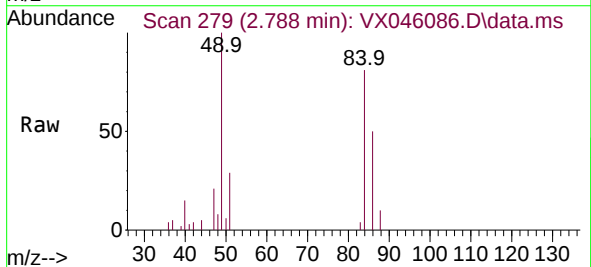
Instrument :
MSVOA_X
ClientSampleId :
PB167895TB

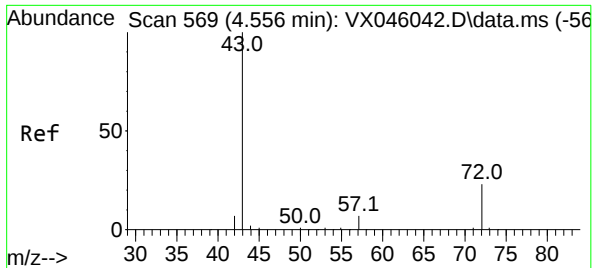
Tgt Ion: 43 Resp: 1549
Ion Ratio Lower Upper
43 100
74 20.7 16.7 25.1



#20
Methylene Chloride
Concen: 4.378 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX046086.D
Acq: 08 May 2025 13:18

Tgt Ion: 84 Resp: 3988
Ion Ratio Lower Upper
84 100
49 124.1 113.9 170.9
51 36.3 33.5 50.3
86 62.3 53.8 80.8

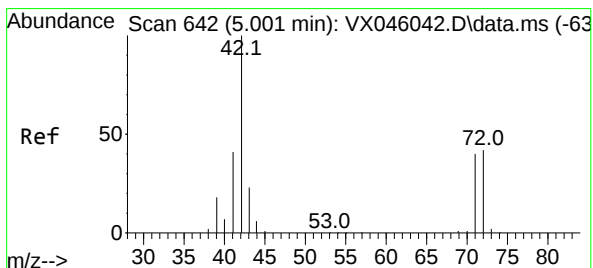
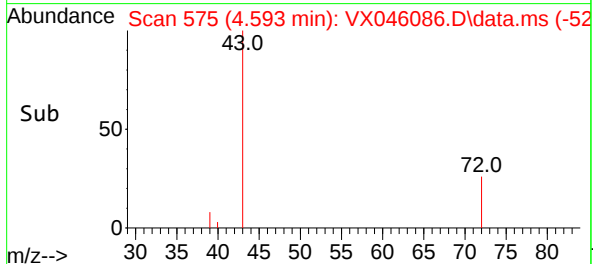
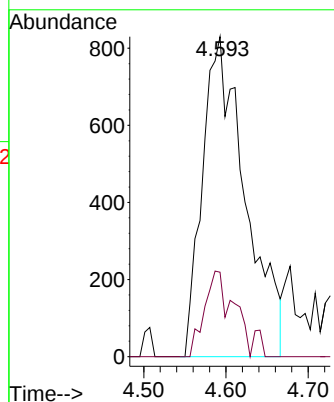
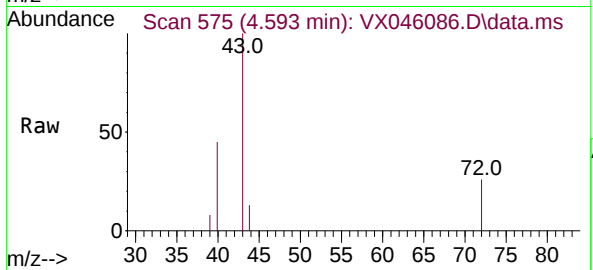




#25
2-Butanone
Concen: 4.371 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX046086.D
Acq: 08 May 2025 13:18

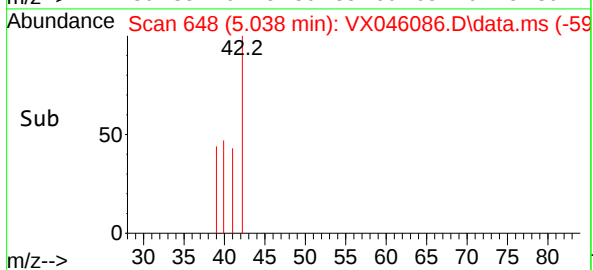
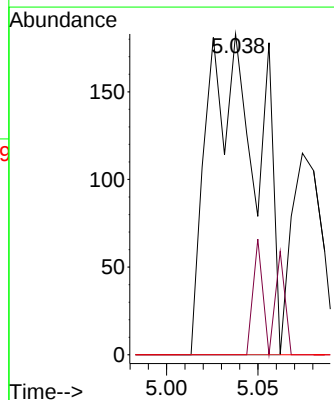
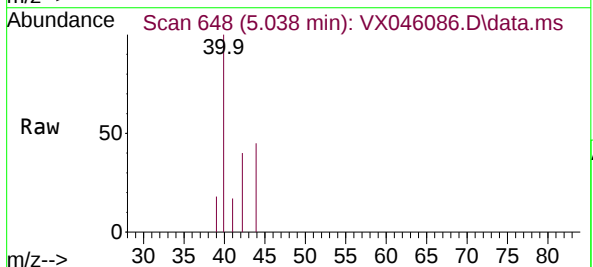
Instrument :
MSVOA_X
ClientSampleId :
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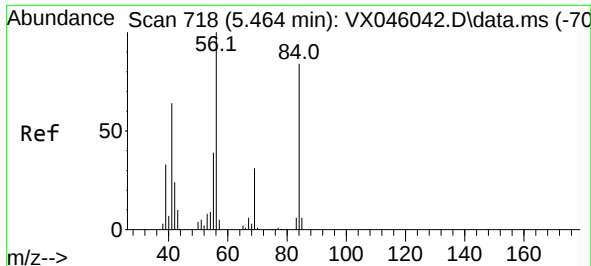
Tgt Ion: 43 Resp: 3016
Ion Ratio Lower Upper
43 100
72 26.4 18.4 27.6



#29
Tetrahydrofuran
Concen: 0.819 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.037 min
Lab File: VX046086.D
Acq: 08 May 2025 13:18

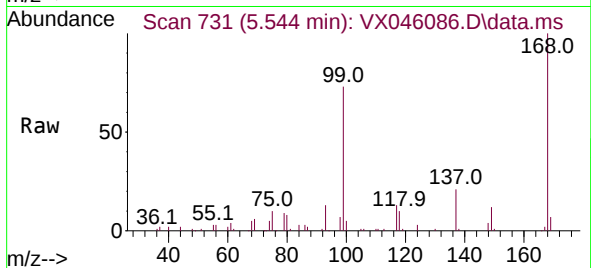
Tgt Ion: 42 Resp: 354
Ion Ratio Lower Upper
42 100
72 13.0 33.7 50.5#
71 0.0 31.4 47.2#



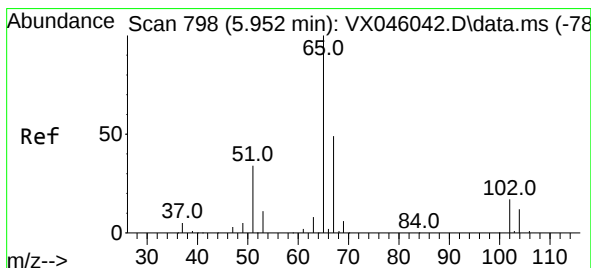
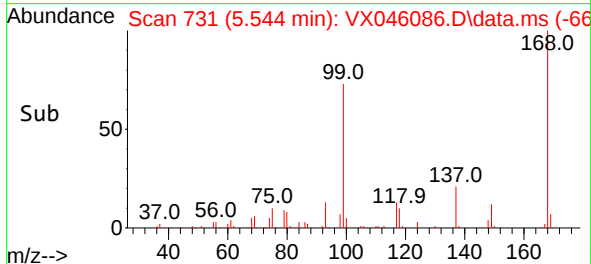
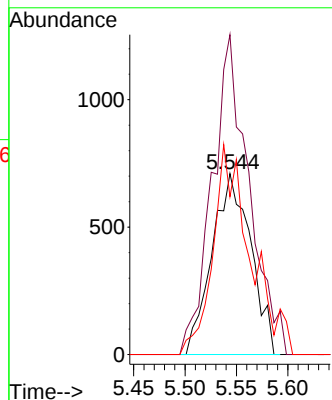


#31
Cyclohexane
Concen: 1.317 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046086.D
Acq: 08 May 2025 13:18

Instrument :
MSVOA_X
ClientSampleId :
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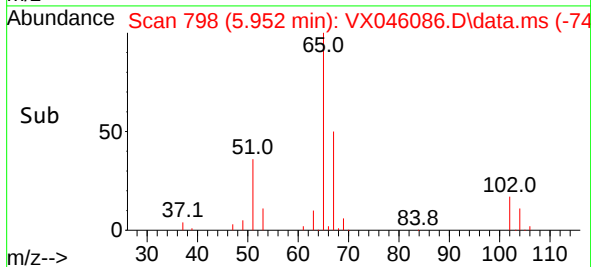
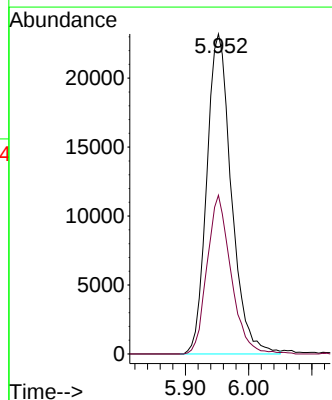
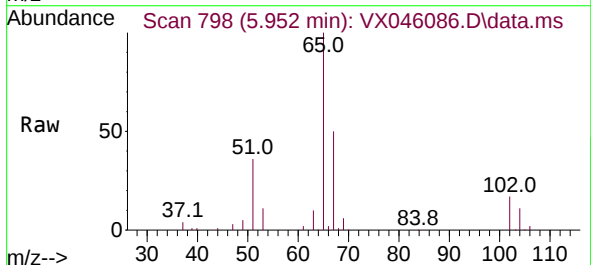


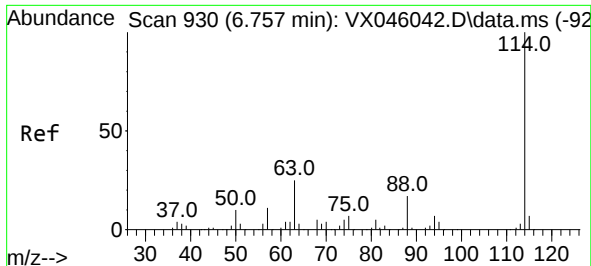
Tgt Ion: 56 Resp: 1861
Ion Ratio Lower Upper
56 100
69 176.8 24.4 36.6#
84 87.2 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 52.995 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX046086.D
Acq: 08 May 2025 13:18

Tgt Ion: 65 Resp: 62825
Ion Ratio Lower Upper
65 100
67 48.4 0.0 99.0

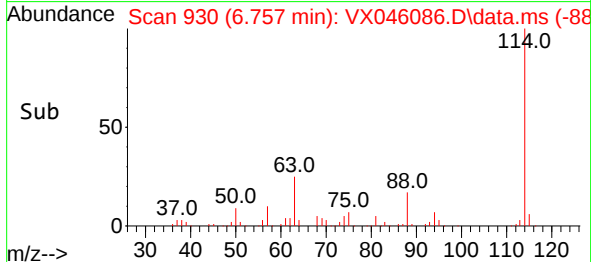
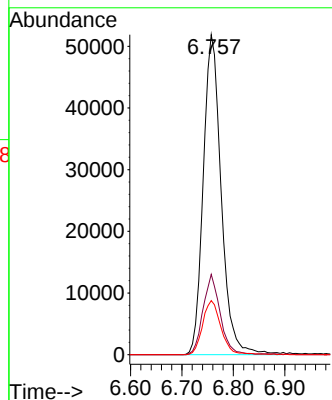
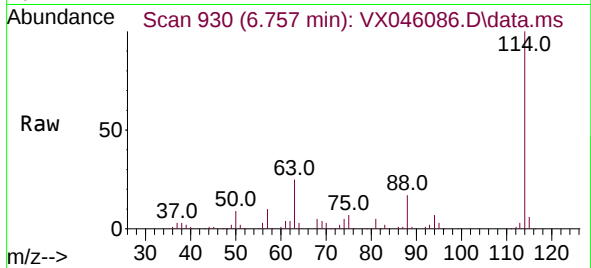




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX046086.D
 Acq: 08 May 2025 13:18

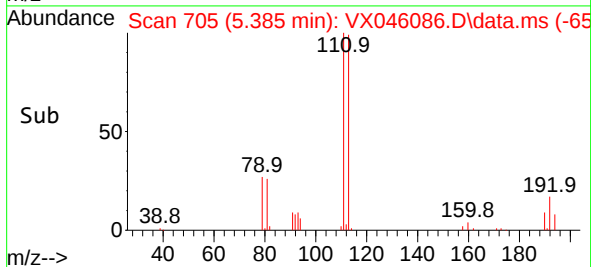
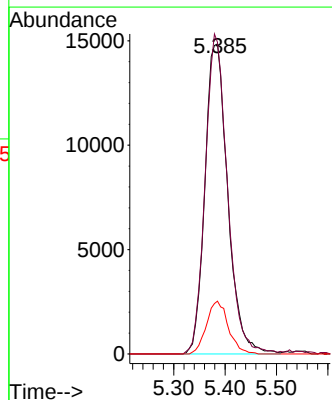
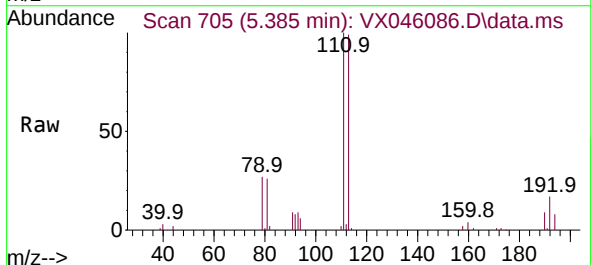
Instrument :
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 ClientSampleId :
 PB167895TB

Tgt Ion:114 Resp: 125967
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 49.2
 88 16.9 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 50.515 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. 0.006 min
 Lab File: VX046086.D
 Acq: 08 May 2025 13:18

Tgt Ion:113 Resp: 45822
 Ion Ratio Lower Upper
 113 100
 111 100.9 83.1 124.7
 192 16.3 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.991 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX046086.D

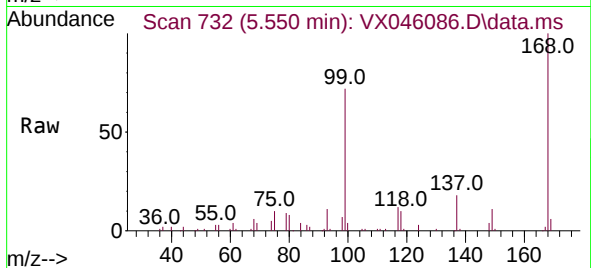
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Instrument :

MSVOA_X

ClientSampleId :

PB167895TB



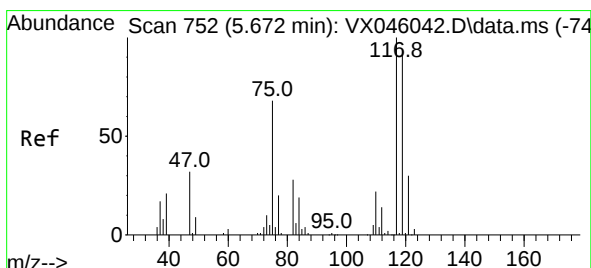
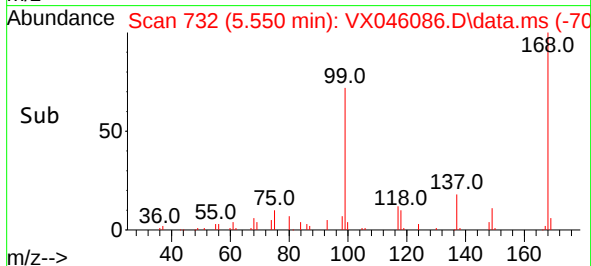
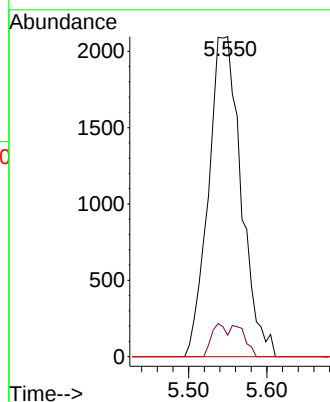
Tgt Ion: 75 Resp: 6083

Ion Ratio Lower Upper

75 100

110 4.8 16.3 48.9#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 5.543 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX046086.D

Acq: 08 May 2025 13:18

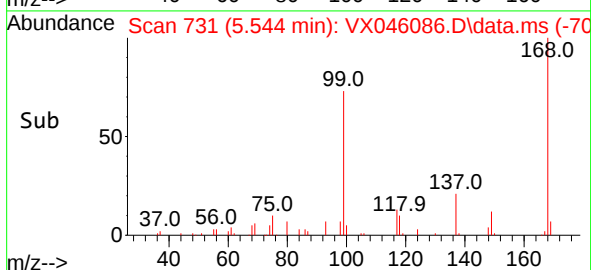
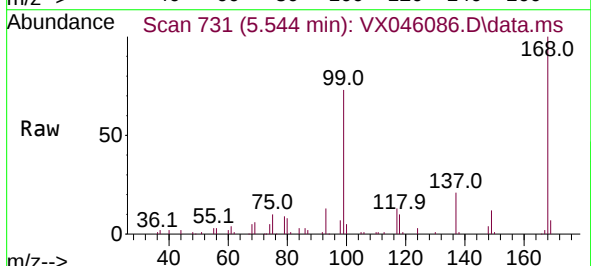
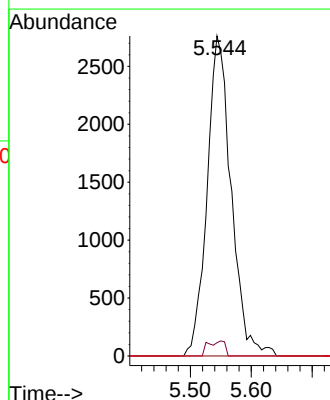
Tgt Ion: 117 Resp: 7591

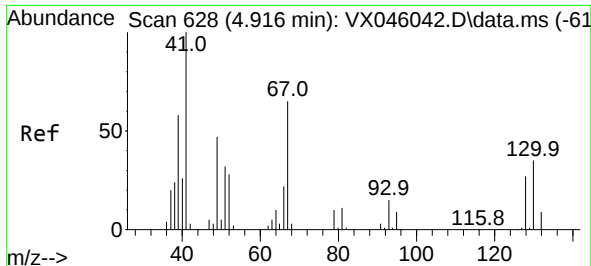
Ion Ratio Lower Upper

117 100

119 4.1 75.2 112.8#

121 0.0 24.2 36.4#

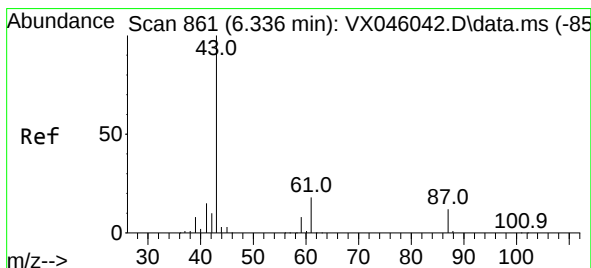
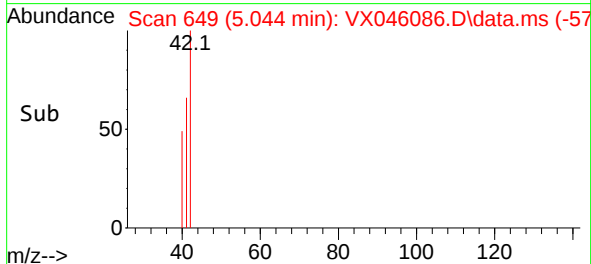
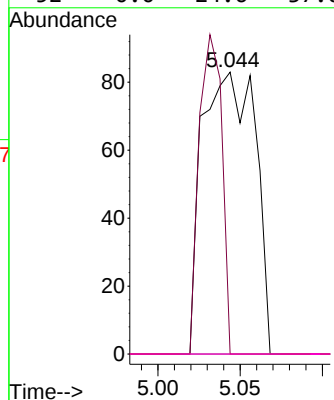
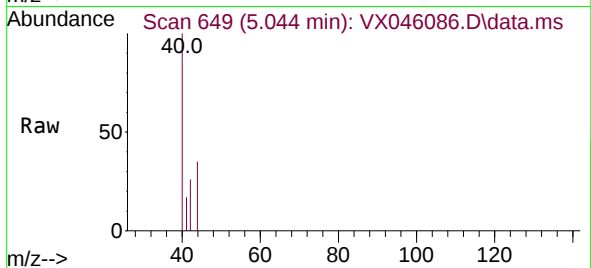




#41
Methacrylonitrile
Concen: 0.236 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.128 min
Lab File: VX046086.D
Acq: 08 May 2025 13:18

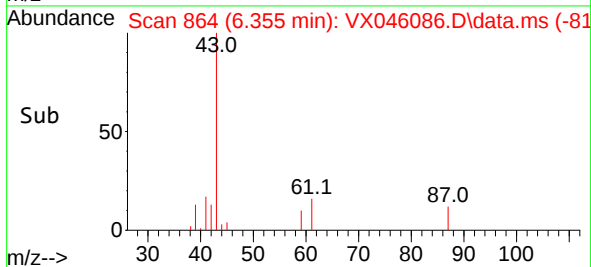
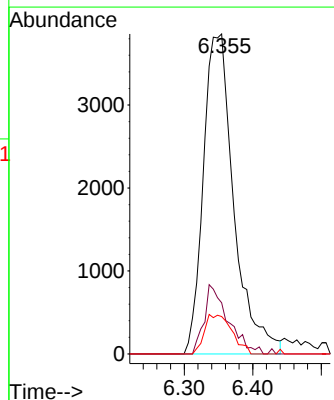
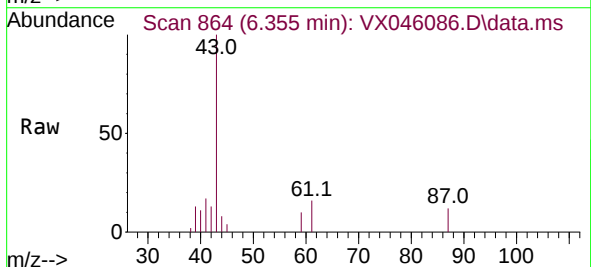
Instrument :
MSVOA_X
ClientSampleId :
PB167895TB

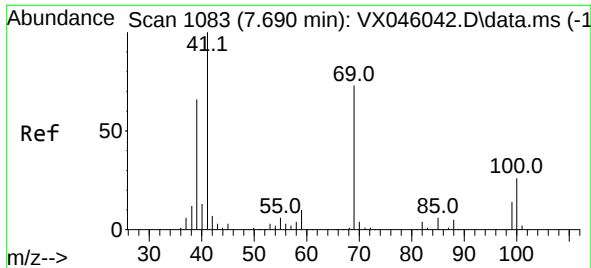
Tgt Ion:	41	Resp:	186
Ion	Ratio	Lower	Upper
41	100		
39	48.4	47.2	70.8
67	0.0	50.7	76.1#
52	0.0	24.6	37.0#



#43
Isopropyl Acetate
Concen: 5.203 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.018 min
Lab File: VX046086.D
Acq: 08 May 2025 13:18

Tgt Ion:	43	Resp:	11952
Ion	Ratio	Lower	Upper
43	100		
61	17.0	14.3	21.5
87	11.0	9.5	14.3

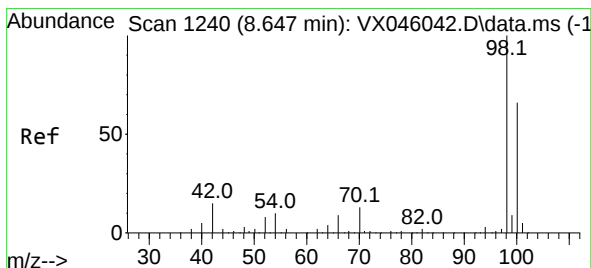
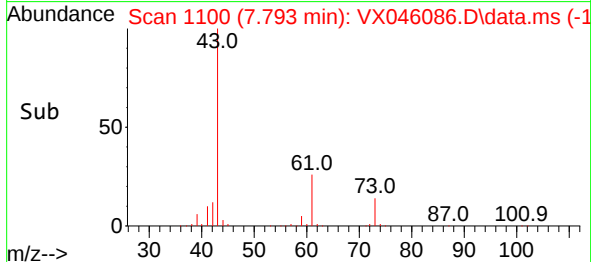
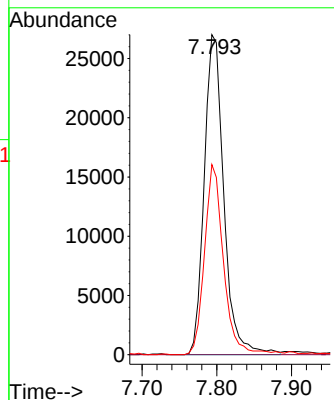
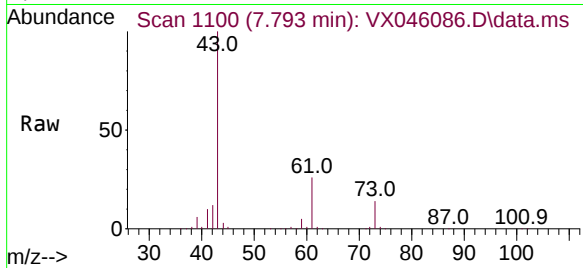




#48
Methyl methacrylate
Concen: 41.950 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046086.D
Acq: 08 May 2025 13:18

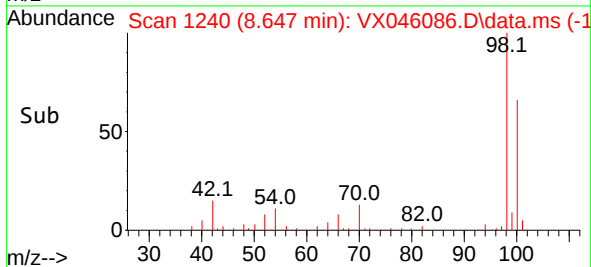
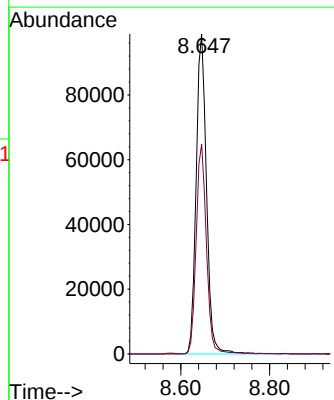
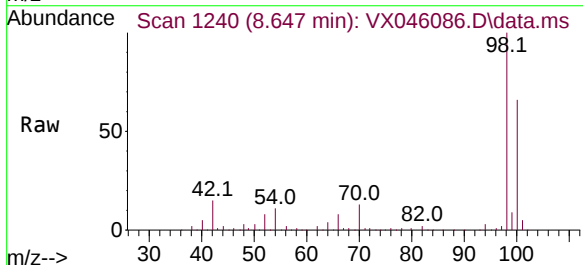
Instrument :
MSVOA_X
ClientSampleId :
PB167895TB

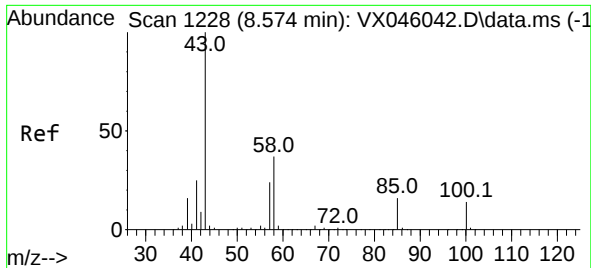
Tgt Ion: 41 Resp: 49215
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 57.8 51.7 77.5



#50
Toluene-d8
Concen: 50.732 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046086.D
Acq: 08 May 2025 13:18

Tgt Ion: 98 Resp: 159277
Ion Ratio Lower Upper
98 100
100 64.8 53.5 80.3

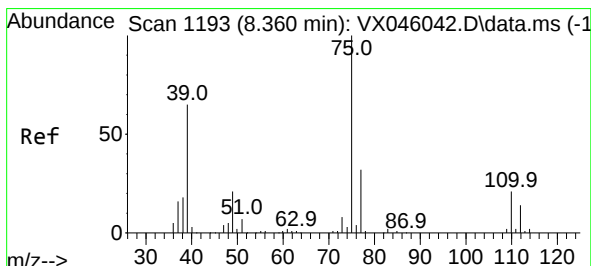
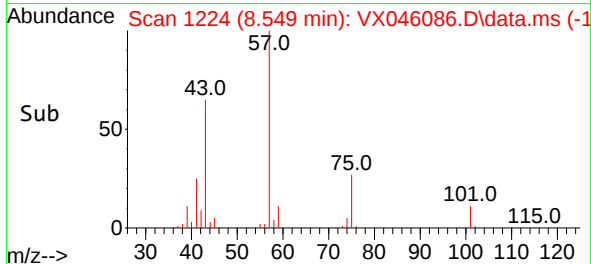
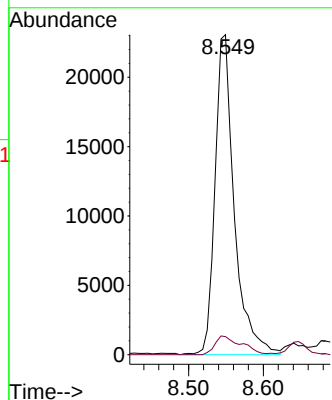
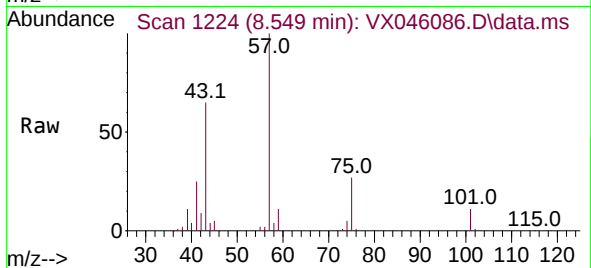




#51
4-Methyl-2-Pentanone
Concen: 27.122 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046086.D
Acq: 08 May 2025 13:18

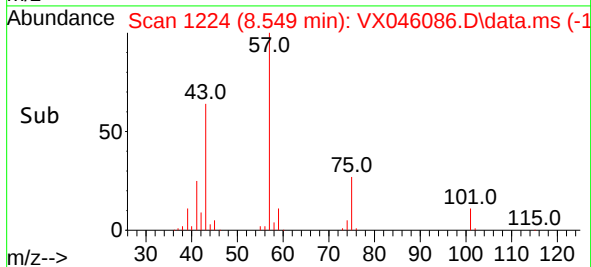
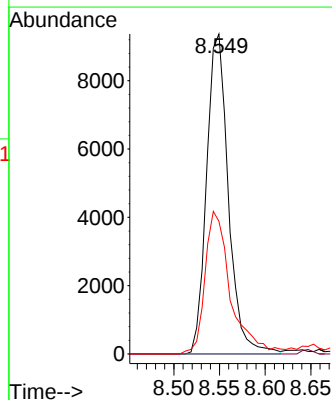
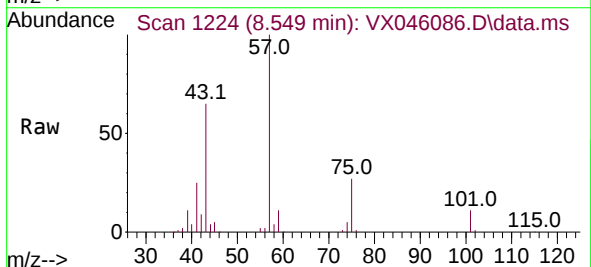
Instrument :
MSVOA_X
ClientSampleId :
PB167895TB

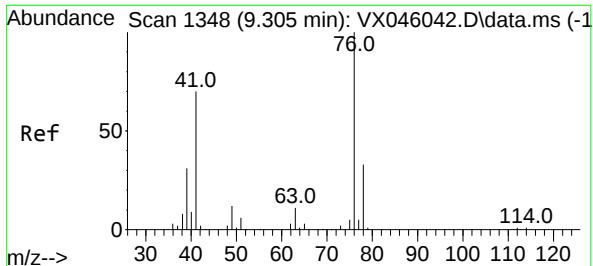
Tgt Ion: 43 Resp: 41357
Ion Ratio Lower Upper
43 100
58 8.0 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 11.447 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX046086.D
Acq: 08 May 2025 13:18

Tgt Ion: 75 Resp: 15507
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 41.5 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 1.021 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX046086.D

Acq: 08 May 2025 13:18

Instrument :

MSVOA_X

ClientSampleId :

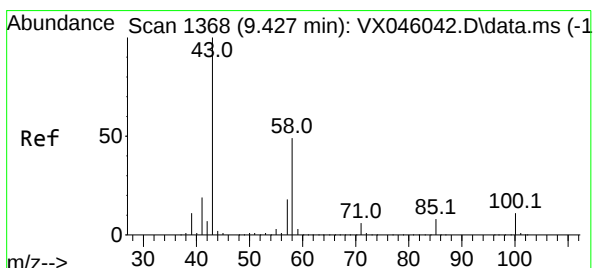
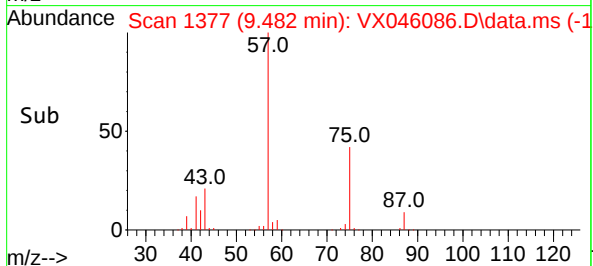
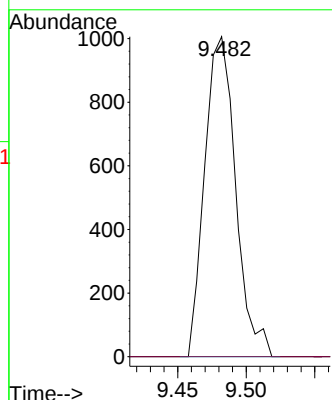
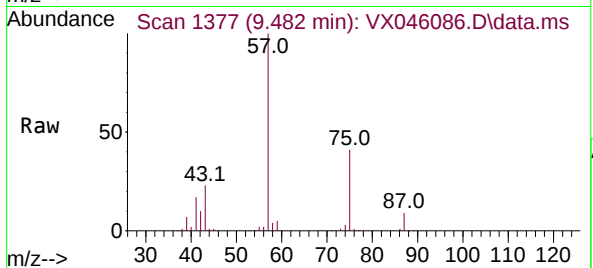
PB167895TB

Tgt Ion: 76 Resp: 1582

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 22.623 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX046086.D

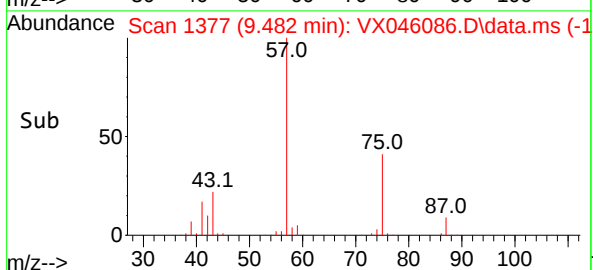
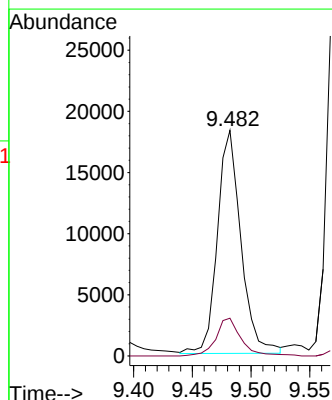
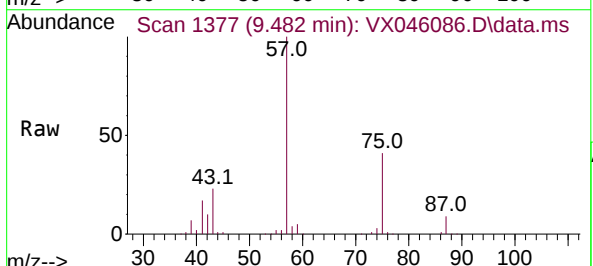
Acq: 08 May 2025 13:18

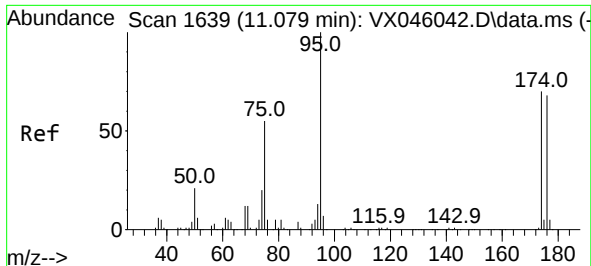
Tgt Ion: 43 Resp: 25522

Ion Ratio Lower Upper

43 100

58 18.1 24.9 74.6#





#62

4-Bromofluorobenzene

Concen: 48.718 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046086.D

Acq: 08 May 2025 13:18

Instrument :

MSVOA_X

ClientSampleId :

PB167895TB

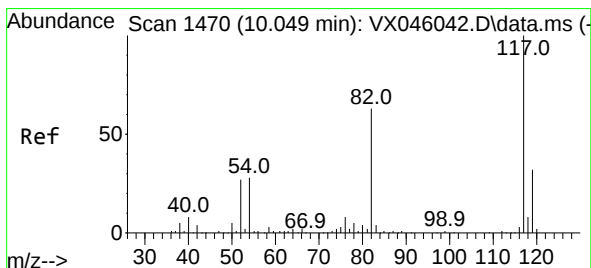
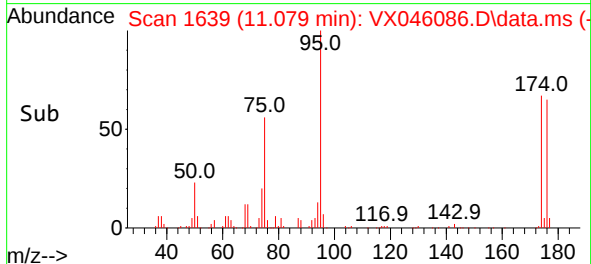
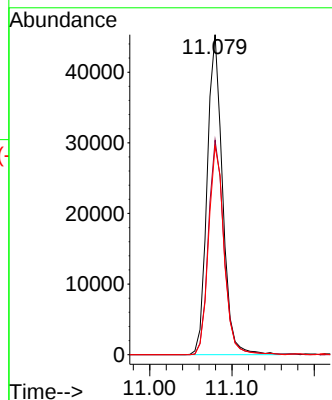
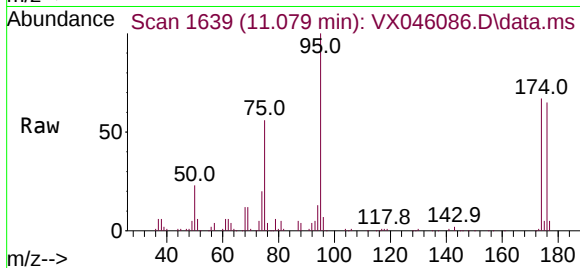
Tgt Ion: 95 Resp: 58671

Ion Ratio Lower Upper

95 100

174 67.9 0.0 135.8

176 66.0 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: VX046086.D

Acq: 08 May 2025 13:18

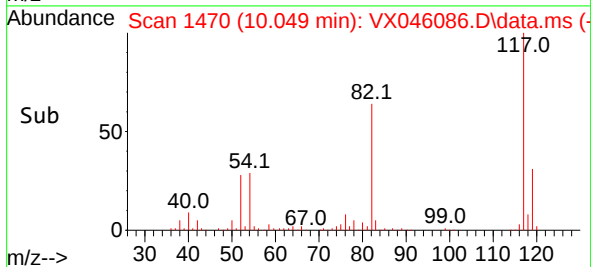
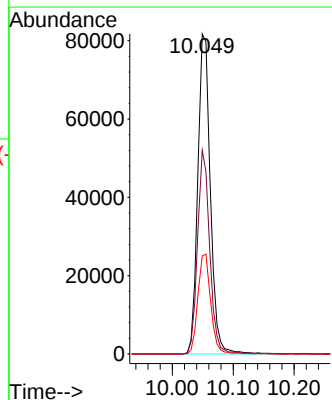
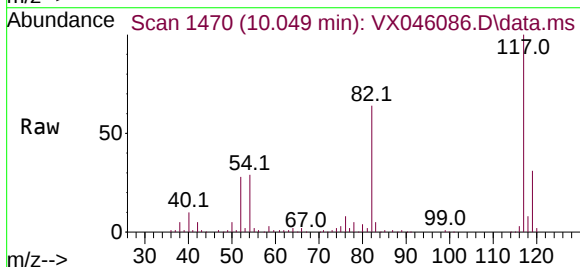
Tgt Ion: 117 Resp: 117113

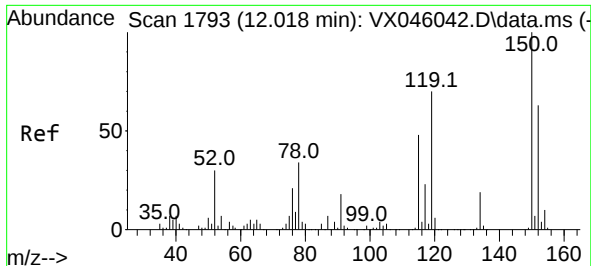
Ion Ratio Lower Upper

117 100

82 63.7 50.6 76.0

119 30.7 25.8 38.6

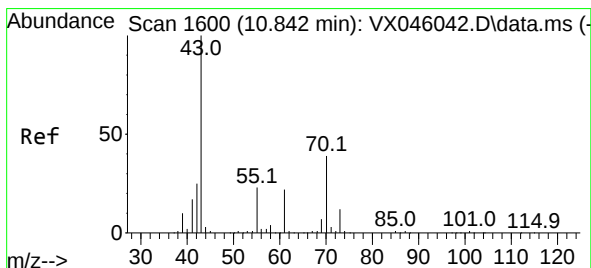
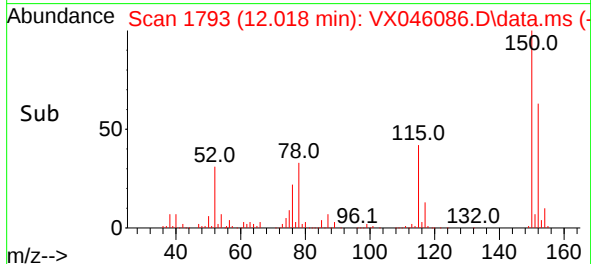
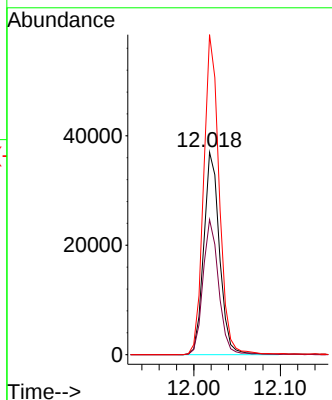
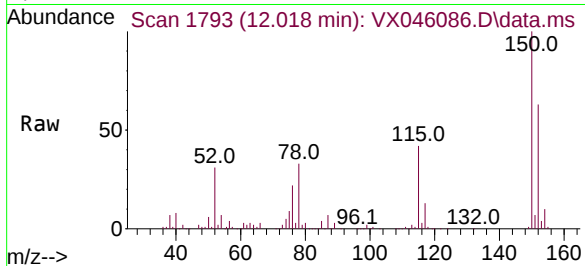




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX046086.D
 Acq: 08 May 2025 13:18

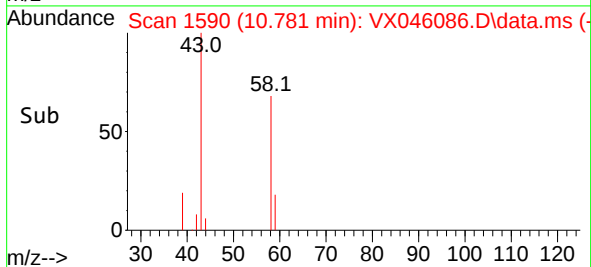
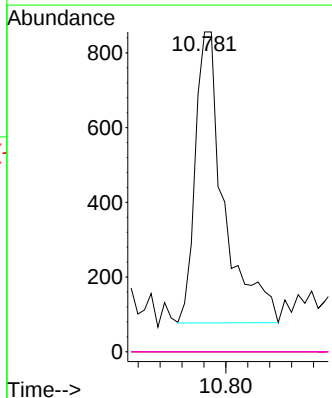
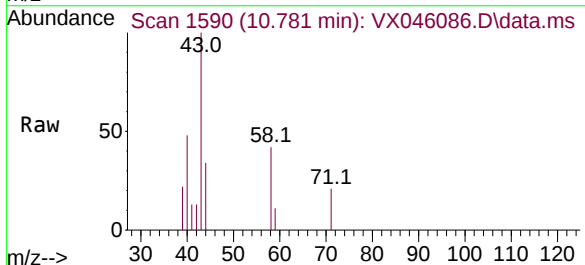
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167895TB

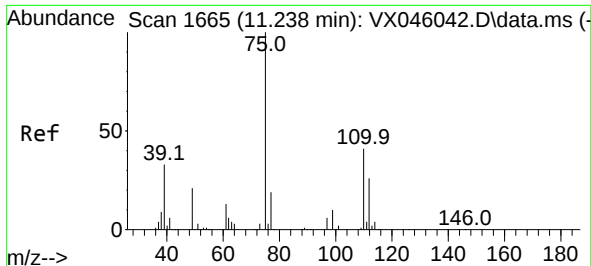
Tgt Ion:152 Resp: 46772
 Ion Ratio Lower Upper
 152 100
 115 66.3 46.9 140.7
 150 156.4 0.0 351.0



#74
 N-ethyl acetate
 Concen: 0.790 ug/l
 RT: 10.781 min Scan# 1590
 Delta R.T. -0.061 min
 Lab File: VX046086.D
 Acq: 08 May 2025 13:18

Tgt Ion: 43 Resp: 1422
 Ion Ratio Lower Upper
 43 100
 70 0.0 30.9 46.3#
 55 0.0 18.7 28.1#
 61 0.0 17.1 25.7#

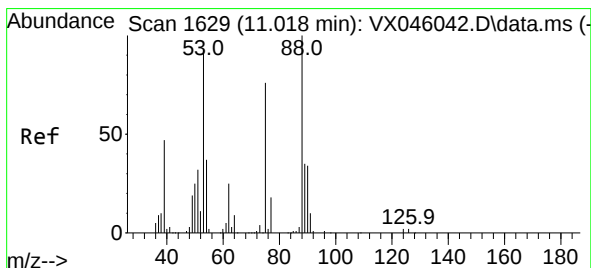
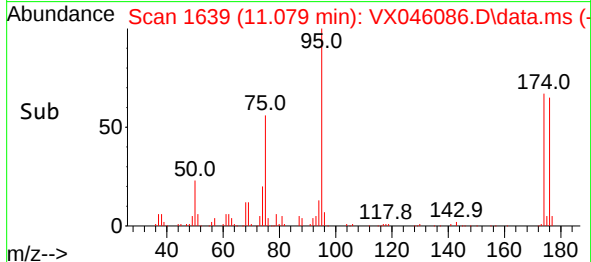
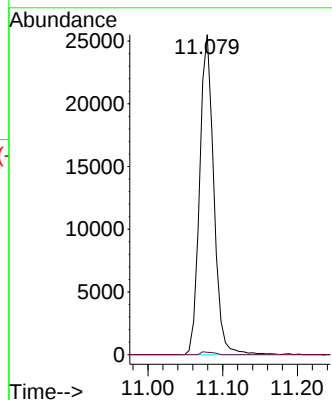
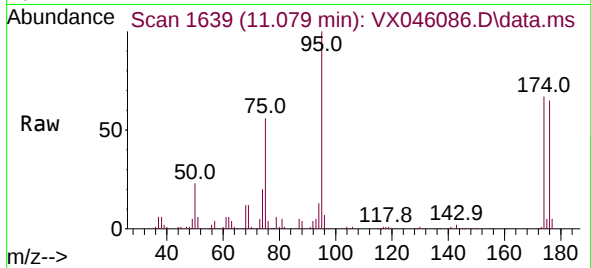




#76
1,2,3-Trichloropropane
Concen: 29.788 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046086.D
Acq: 08 May 2025 13:18

Instrument :
MSVOA_X
ClientSampleId :
PB167895TB

Tgt Ion: 75 Resp: 33536
Ion Ratio Lower Upper
75 100
77 0.8 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.980 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046086.D
Acq: 08 May 2025 13:18

Tgt Ion: 75 Resp: 33536
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

