

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
 Data File : VX046420.D
 Acq On : 30 May 2025 14:39
 Operator : JC/MD
 Sample : Q2163-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 250528060-03-TRIP-BLANK

Quant Time: May 30 23:28:54 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)

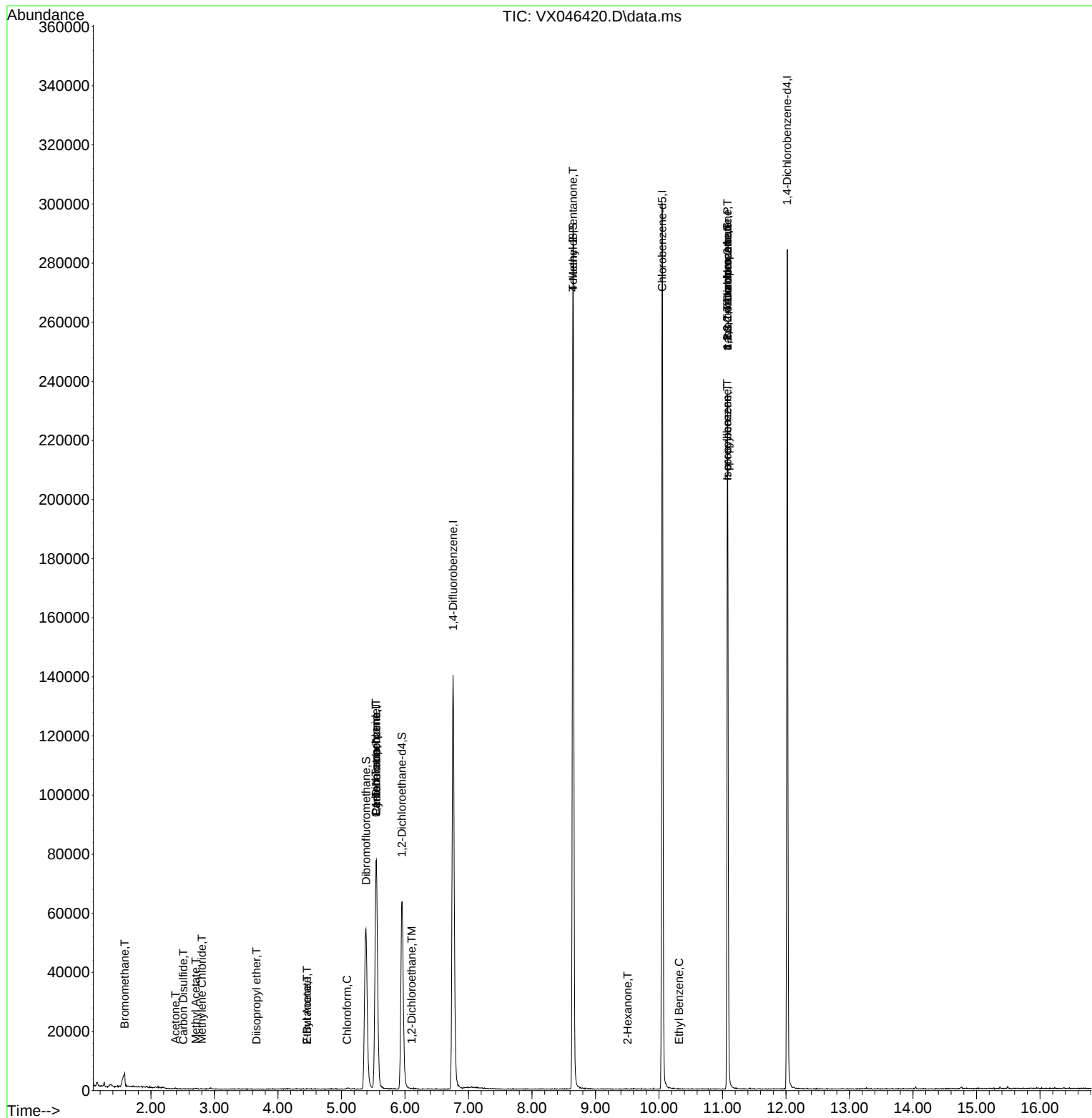
Internal Standards						
1) Pentafluorobenzene	5.550	168	65069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131734	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51011	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64802	53.419	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.840%			
35) Dibromofluoromethane	5.385	113	48477	51.102	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.200%			
50) Toluene-d8	8.647	98	163910	49.922	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.840%			
62) 4-Bromofluorobenzene	11.079	95	61544	48.866	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.740%			
Target Compounds						Qvalue
5) Bromomethane	1.587	94	32	0.077	ug/l #	4
16) Acetone	2.386	43	309	0.635	ug/l #	48
17) Carbon Disulfide	2.508	76	59	0.032	ug/l #	76
18) Methyl Acetate	2.703	43	458	0.406	ug/l #	65
20) Methylene Chloride	2.800	84	86	0.092	ug/l #	29
22) Diisopropyl ether	3.660	45	19	0.007	ug/l #	22
25) 2-Butanone	4.459	43	19	0.027	ug/l #	53
30) Chloroform	5.087	83	584	0.353	ug/l #	20
31) Cyclohexane	5.550	56	1898	1.313	ug/l #	34
36) 1,1-Dichloropropene	5.544	75	6813	5.345	ug/l #	51
37) Ethyl Acetate	4.459	43	19	0.012	ug/l #	70
38) Carbon Tetrachloride	5.544	117	7901	5.517	ug/l #	16
42) 1,2-Dichloroethane	6.105	62	20	0.012	ug/l #	78
51) 4-Methyl-2-Pentanone	8.647	43	1010	0.633	ug/l #	1
59) 2-Hexanone	9.507	43	34	0.029	ug/l #	28
67) Ethyl Benzene	10.317	91	52	0.011	ug/l #	45
73) Isopropylbenzene	11.073	105	43	0.011	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	11.079	83	45	0.032	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	35942	29.272	ug/l #	36
78) n-propylbenzene	11.073	91	335	0.073	ug/l #	54
81) trans-1,4-Dichloro-2-b...	11.079	75	35942	95.301	ug/l #	1

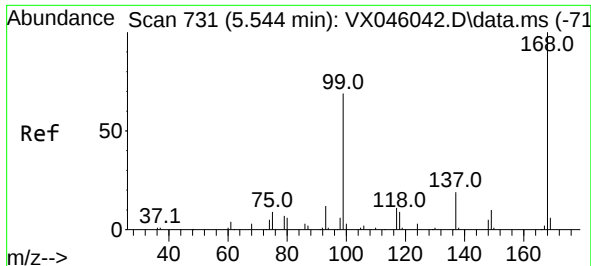
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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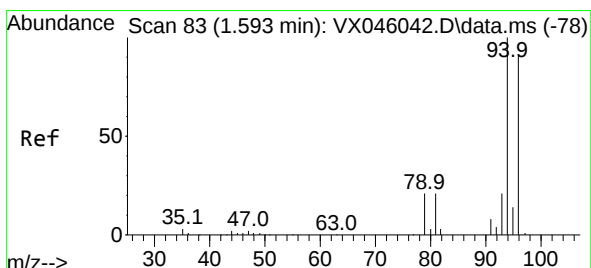
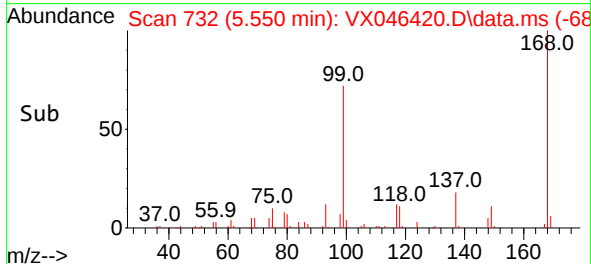
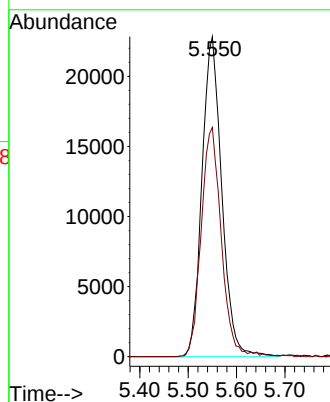
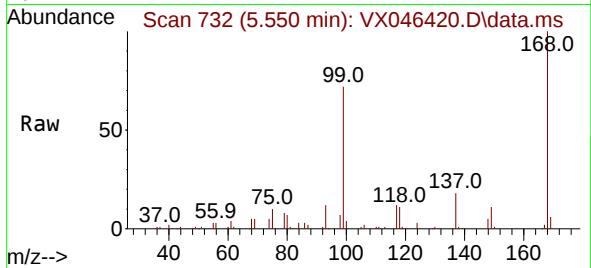




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046420.D
Acq: 30 May 2025 14:39

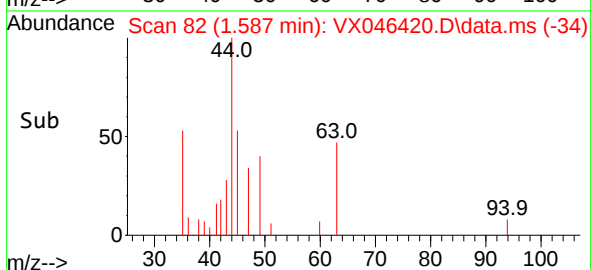
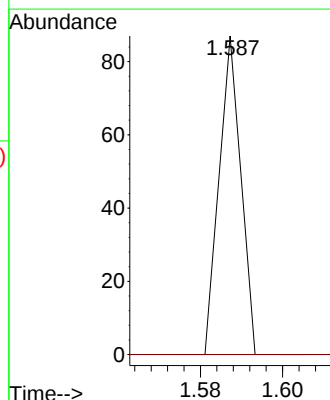
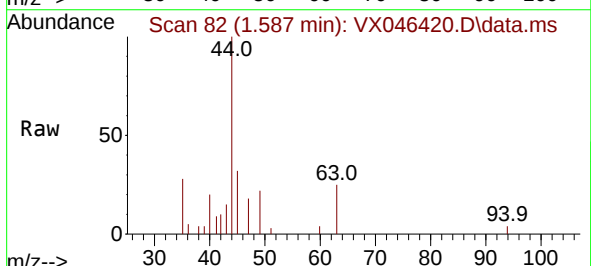
Instrument :
MSVOA_X
ClientSampleId :
250528060-03-TRIP-BLANK

Tgt Ion:168 Resp: 65069
Ion Ratio Lower Upper
168 100
99 71.4 54.9 82.3



#5
Bromomethane
Concen: 0.077 ug/l
RT: 1.587 min Scan# 82
Delta R.T. -0.006 min
Lab File: VX046420.D
Acq: 30 May 2025 14:39

Tgt Ion: 94 Resp: 32
Ion Ratio Lower Upper
94 100
96 0.0 72.8 109.2#

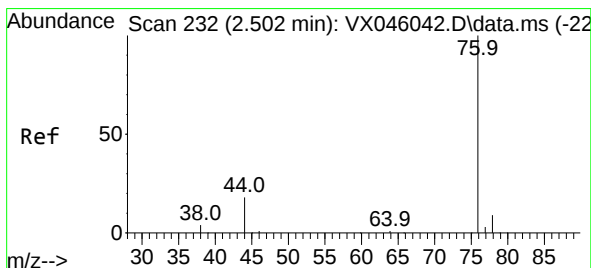
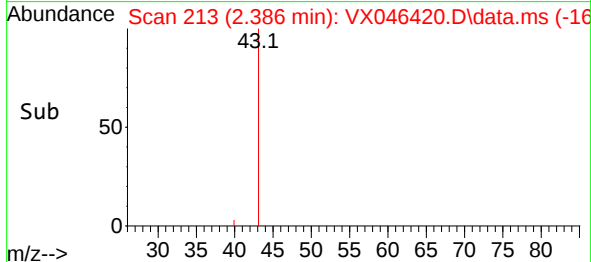
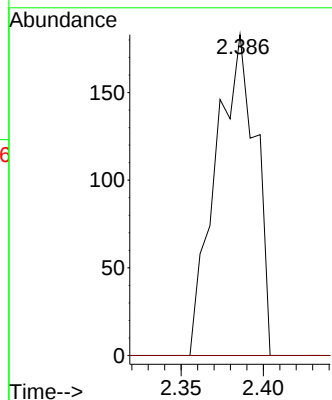
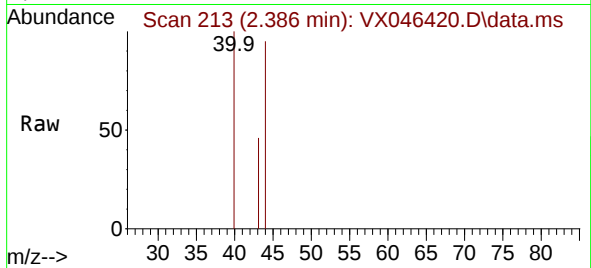




#16
Acetone
Concen: 0.635 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046420.D
Acq: 30 May 2025 14:39

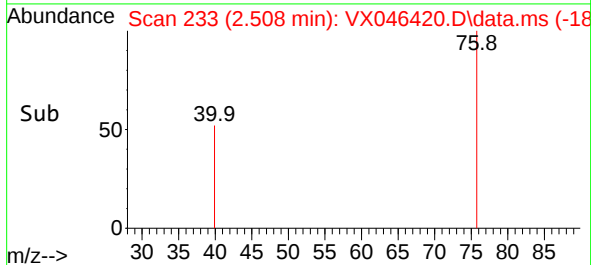
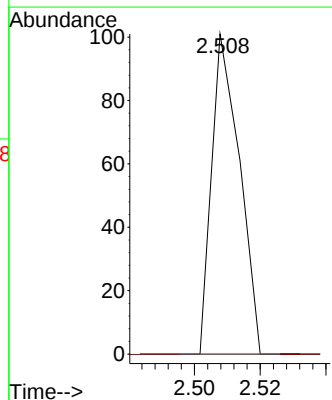
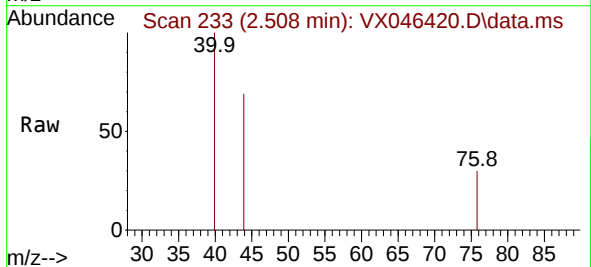
Instrument : MSVOA_X
ClientSampleId : 250528060-03-TRIP-BLANK

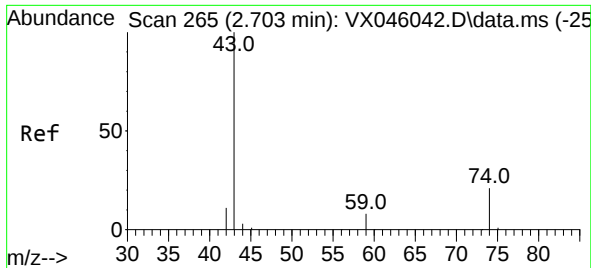
Tgt Ion: 43 Resp: 309
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#



#17
Carbon Disulfide
Concen: 0.032 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.006 min
Lab File: VX046420.D
Acq: 30 May 2025 14:39

Tgt Ion: 76 Resp: 59
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

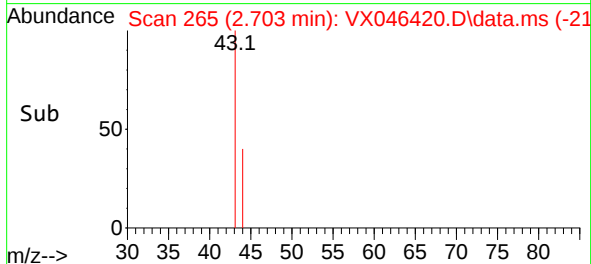
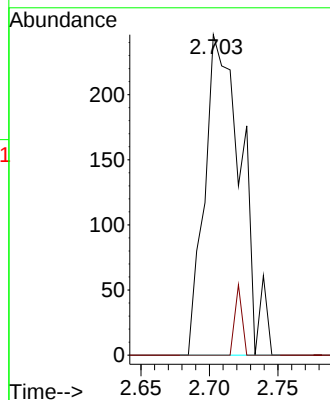
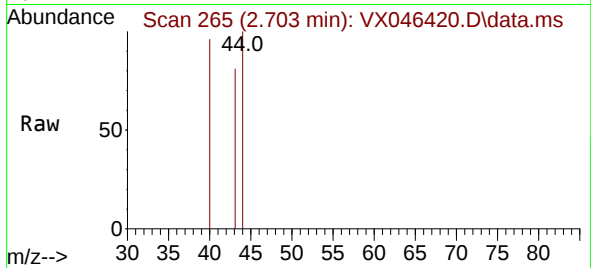




#18
Methyl Acetate
Concen: 0.406 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX046420.D
Acq: 30 May 2025 14:39

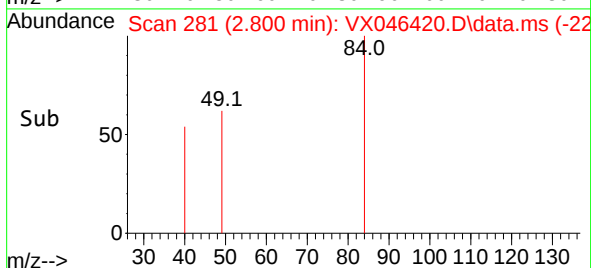
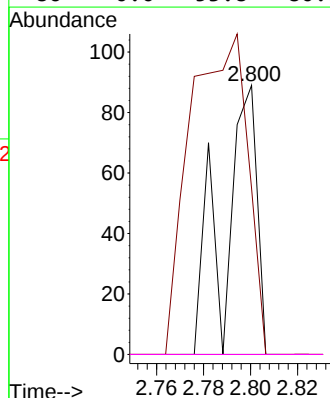
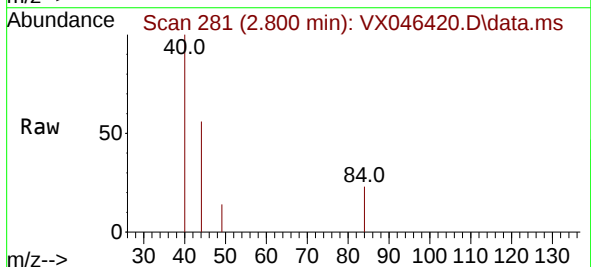
Instrument :
MSVOA_X
ClientSampleId :
250528060-03-TRIP-BLANK

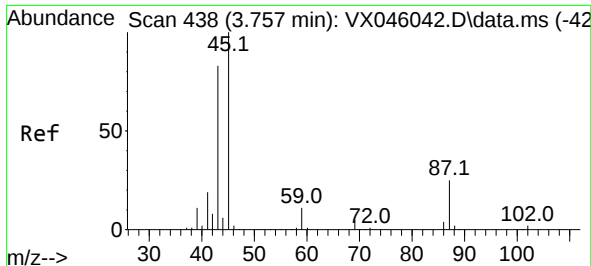
Tgt Ion: 43 Resp: 458
Ion Ratio Lower Upper
43 100
74 4.4 16.7 25.1#



#20
Methylene Chloride
Concen: 0.092 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.018 min
Lab File: VX046420.D
Acq: 30 May 2025 14:39

Tgt Ion: 84 Resp: 86
Ion Ratio Lower Upper
84 100
49 61.8 113.9 170.9#
51 0.0 33.5 50.3#
86 0.0 53.8 80.8#

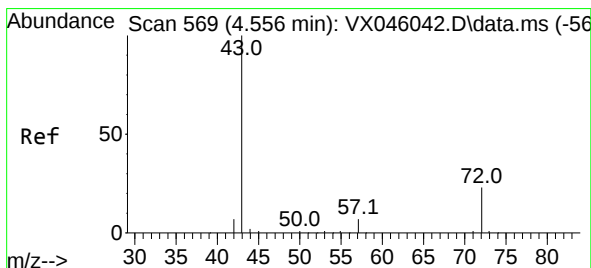
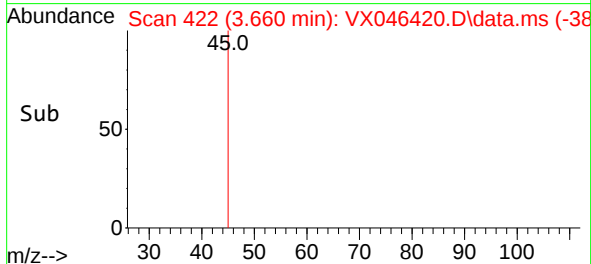
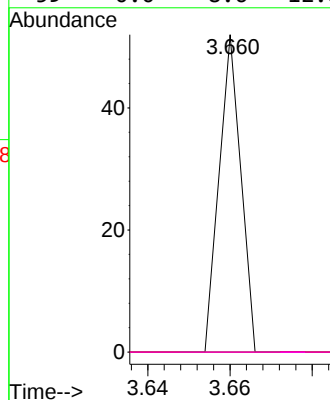
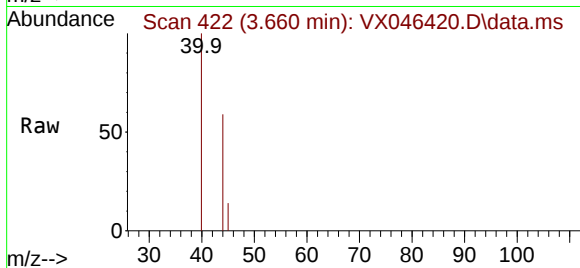




#22
Diisopropyl ether
Concen: 0.007 ug/l
RT: 3.660 min Scan# 41
Delta R.T. -0.097 min
Lab File: VX046420.D
Acq: 30 May 2025 14:39

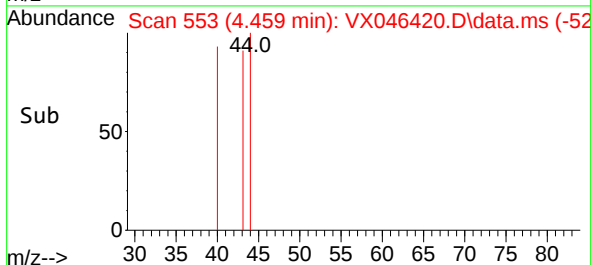
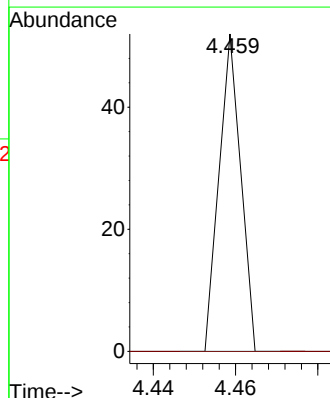
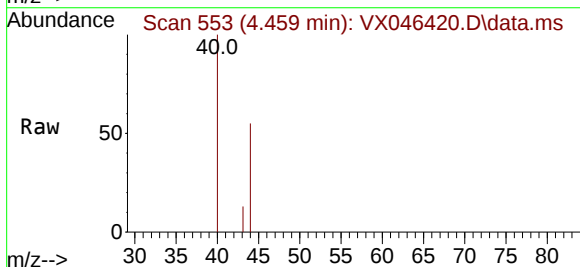
Instrument :
MSVOA_X
ClientSampleId :
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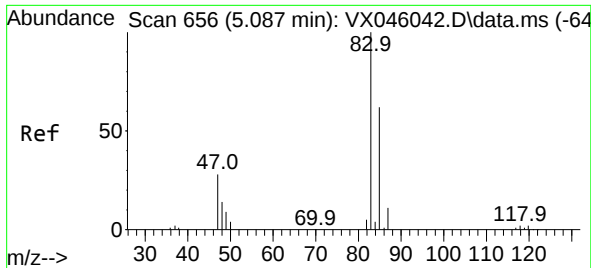
Tgt Ion:	45	Resp:	19
Ion	Ratio	Lower	Upper
45	100		
43	0.0	66.6	100.0#
87	0.0	19.8	29.6#
59	0.0	8.6	12.8#



#25
2-Butanone
Concen: 0.027 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.097 min
Lab File: VX046420.D
Acq: 30 May 2025 14:39

Tgt Ion:	43	Resp:	19
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.4	27.6#

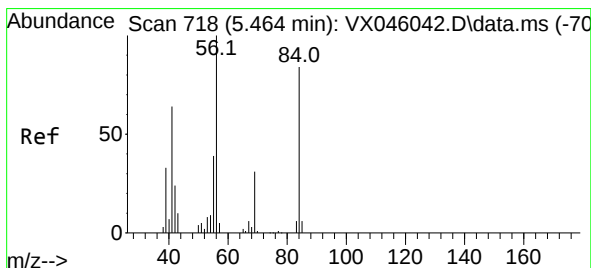
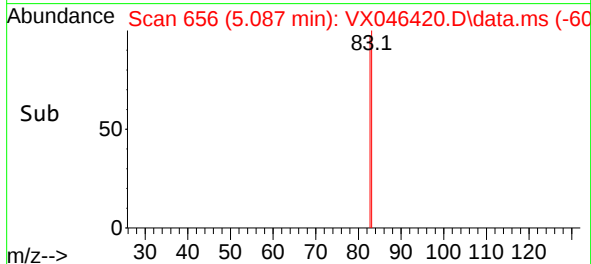
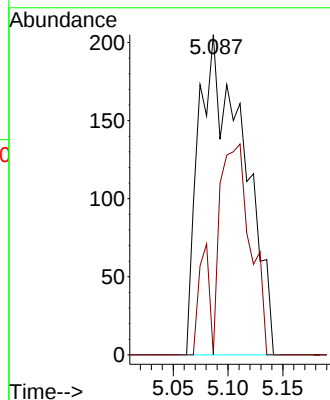
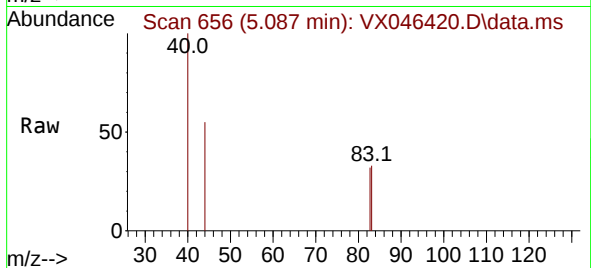




#30
Chloroform
Concen: 0.353 ug/l
RT: 5.087 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX046420.D
Acq: 30 May 2025 14:39

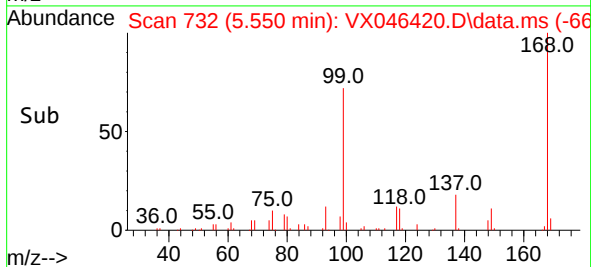
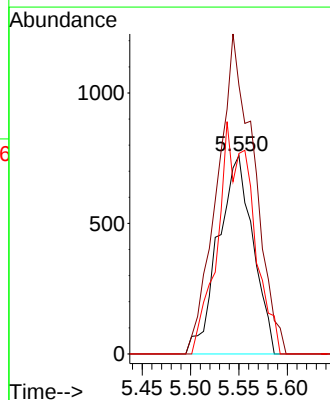
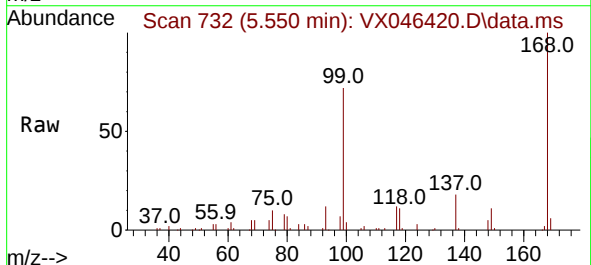
Instrument :
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ClientSampleId :
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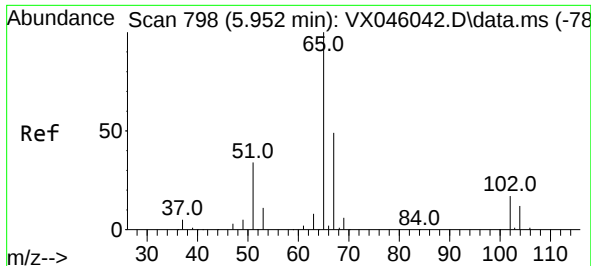
Tgt Ion: 83 Resp: 584
Ion Ratio Lower Upper
83 100
85 0.0 49.3 73.9#



#31
Cyclohexane
Concen: 1.313 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX046420.D
Acq: 30 May 2025 14:39

Tgt Ion: 56 Resp: 1898
Ion Ratio Lower Upper
56 100
69 135.5 24.4 36.6#
84 101.1 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 53.419 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX046420.D

Acq: 30 May 2025 14:39

Instrument :

MSVOA_X

ClientSampleId :

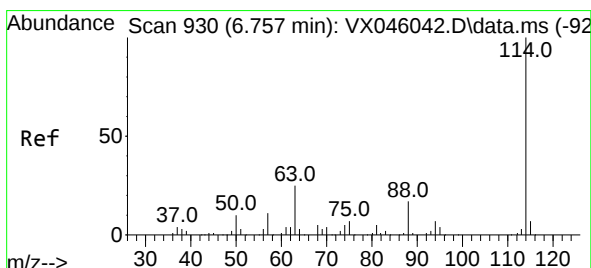
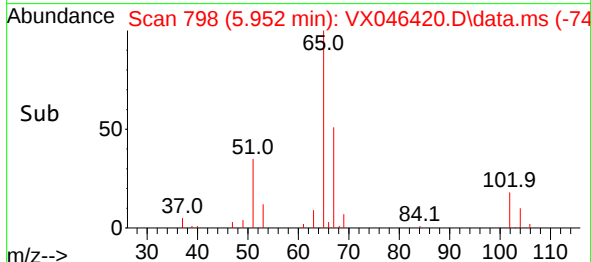
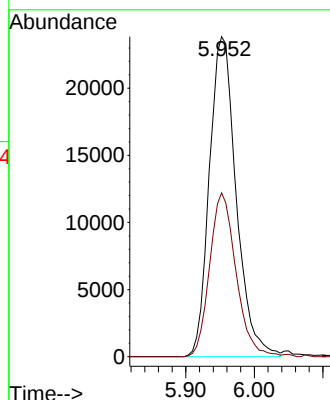
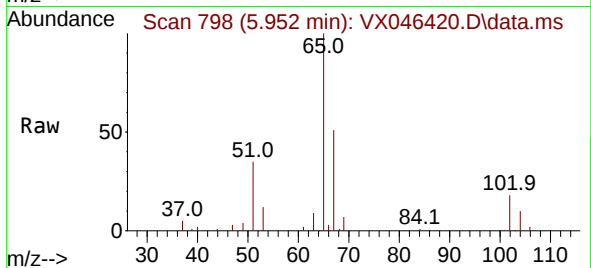
250528060-03-TRIP-BLANK

Tgt Ion: 65 Resp: 64802

Ion Ratio Lower Upper

65 100

67 50.4 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: VX046420.D

Acq: 30 May 2025 14:39

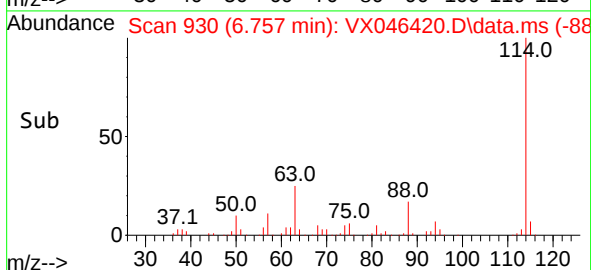
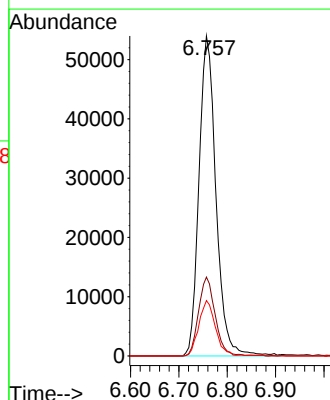
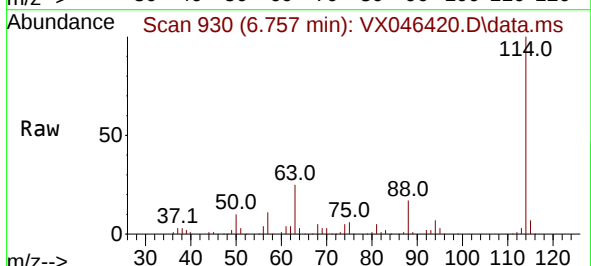
Tgt Ion: 114 Resp: 131734

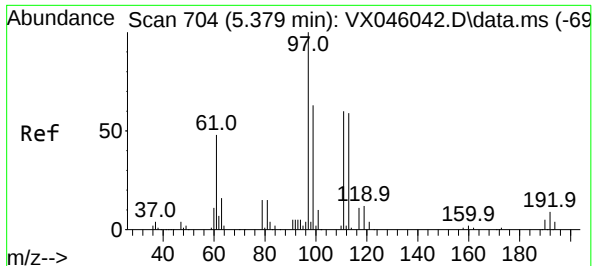
Ion Ratio Lower Upper

114 100

63 24.6 0.0 49.2

88 17.3 0.0 33.6

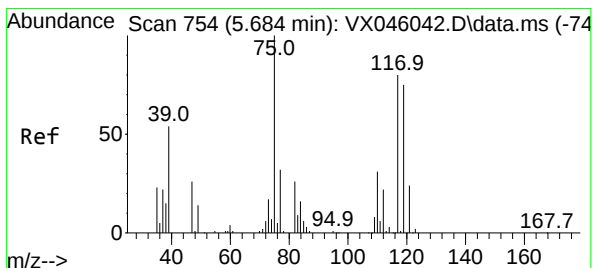
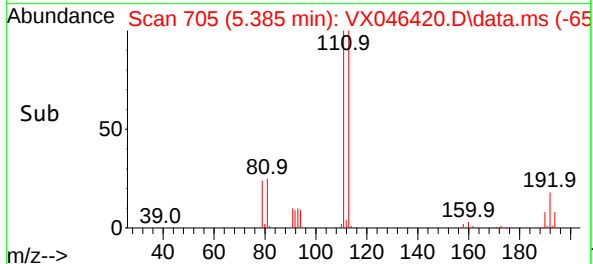
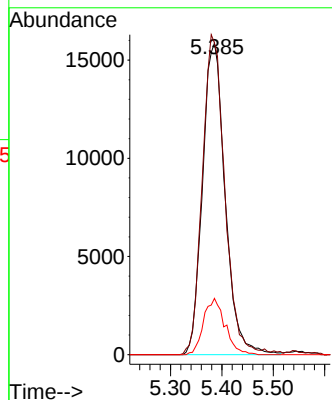
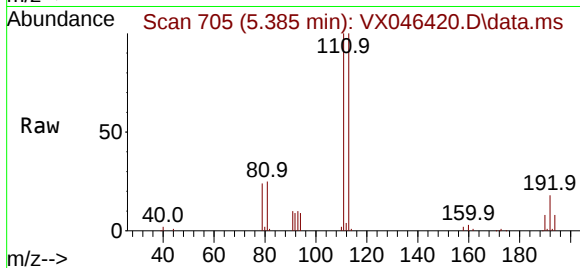




#35
Dibromofluoromethane
Concen: 51.102 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046420.D
Acq: 30 May 2025 14:39

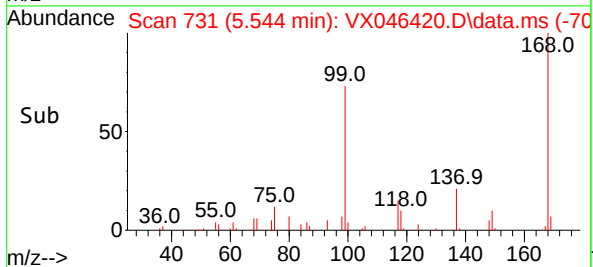
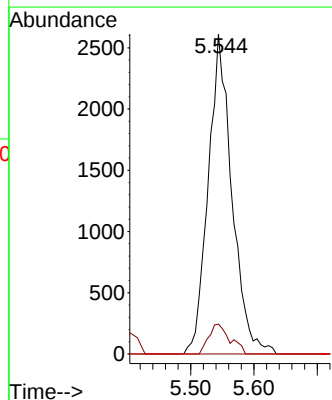
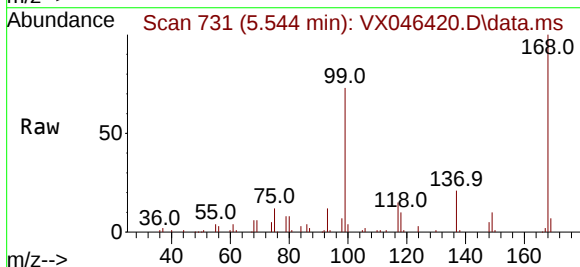
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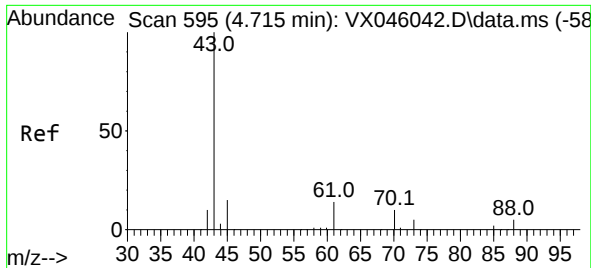
Tgt Ion:113 Resp: 48477
Ion Ratio Lower Upper
113 100
111 101.7 83.1 124.7
192 17.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.345 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046420.D
Acq: 30 May 2025 14:39

Tgt Ion: 75 Resp: 6813
Ion Ratio Lower Upper
75 100
110 8.3 16.3 48.9#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 0.012 ug/l

RT: 4.459 min Scan# 51

Delta R.T. -0.256 min

Lab File: VX046420.D

Acq: 30 May 2025 14:39

Instrument :

MSVOA_X

ClientSampleId :

250528060-03-TRIP-BLANK

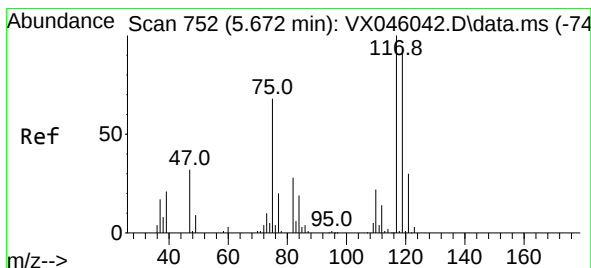
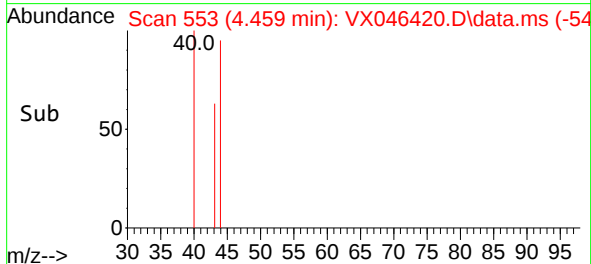
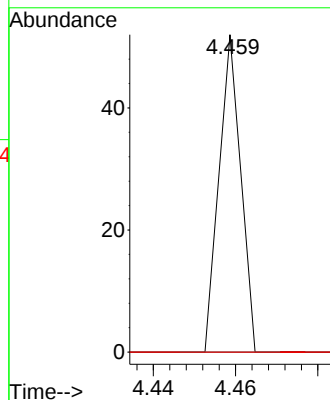
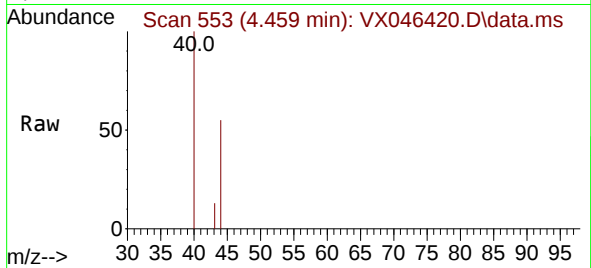
Tgt Ion: 43 Resp: 19

Ion Ratio Lower Upper

43 100

61 0.0 10.3 15.5#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 5.517 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX046420.D

Acq: 30 May 2025 14:39

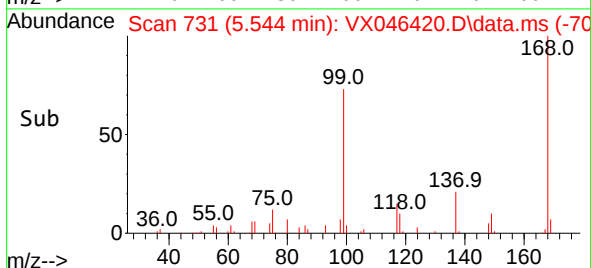
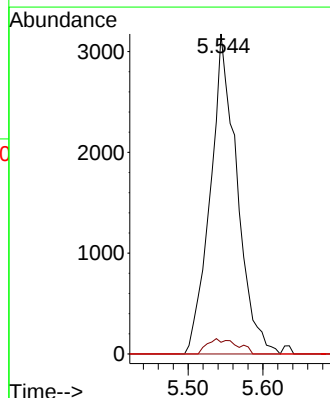
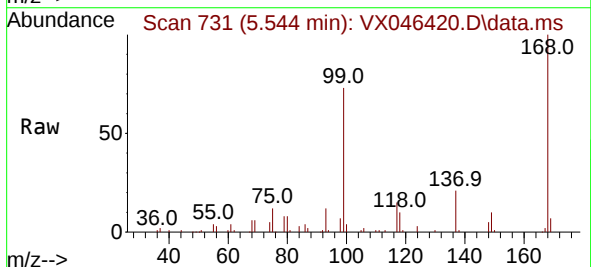
Tgt Ion: 117 Resp: 7901

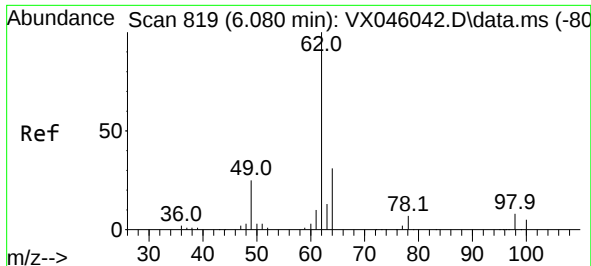
Ion Ratio Lower Upper

117 100

119 3.7 75.2 112.8#

121 0.0 24.2 36.4#





#42

1,2-Dichloroethane

Concen: 0.012 ug/l

RT: 6.105 min Scan# 819

Delta R.T. 0.024 min

Lab File: VX046420.D

Acq: 30 May 2025 14:39

Instrument :

MSVOA_X

ClientSampleId :

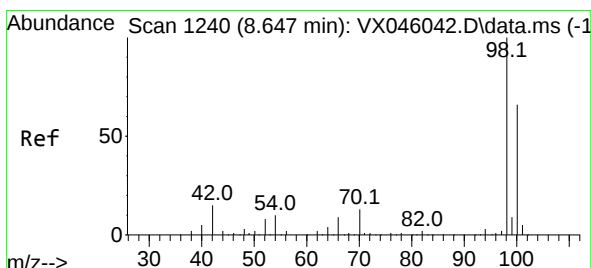
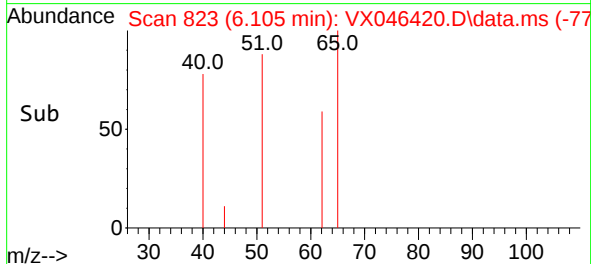
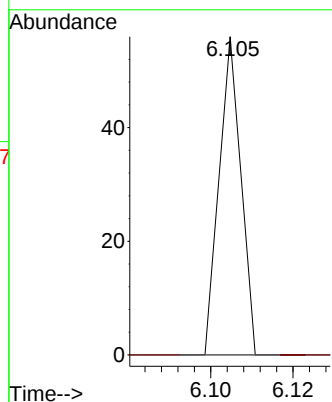
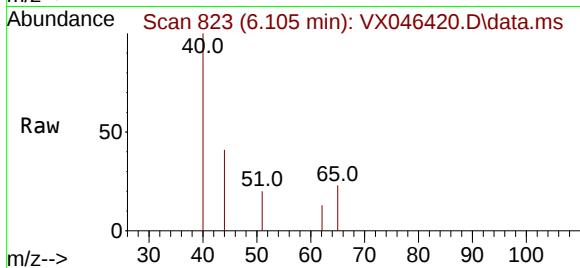
250528060-03-TRIP-BLANK

Tgt Ion: 62 Resp: 20

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.2



#50

Toluene-d8

Concen: 49.922 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX046420.D

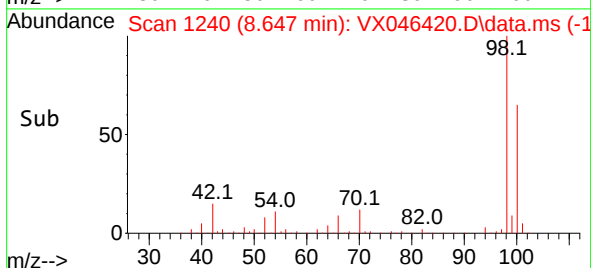
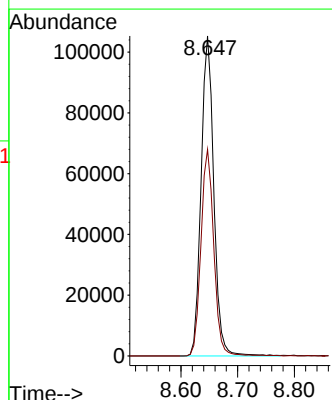
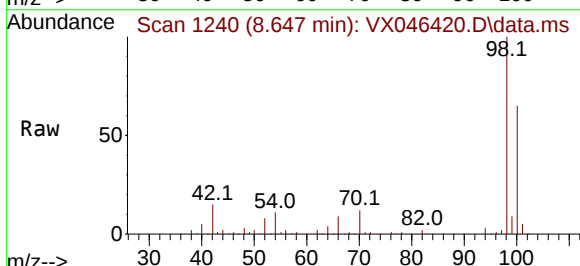
Acq: 30 May 2025 14:39

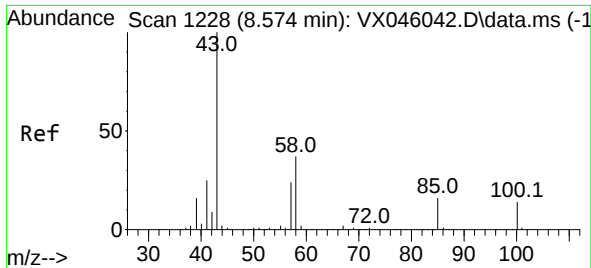
Tgt Ion: 98 Resp: 163910

Ion Ratio Lower Upper

98 100

100 65.3 53.5 80.3

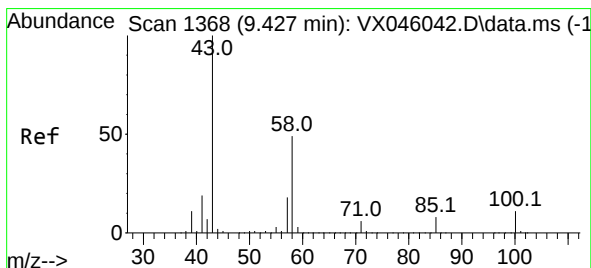
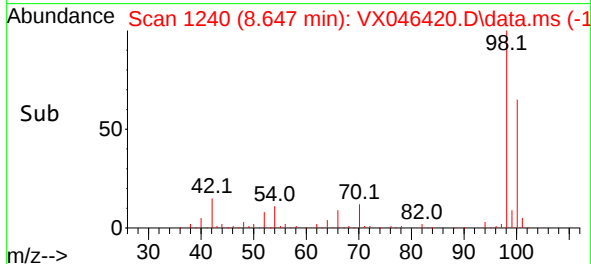
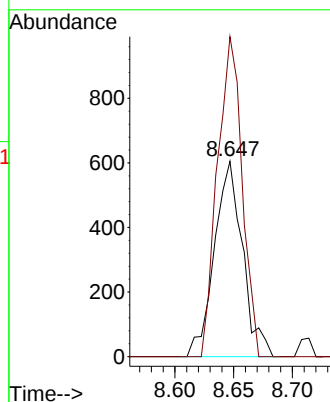
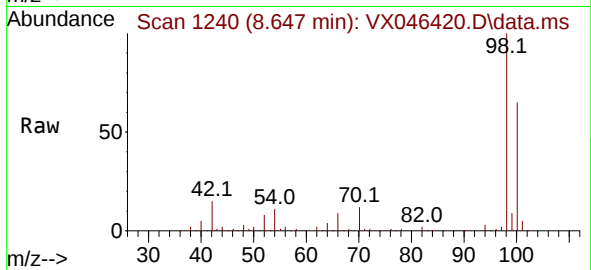




#51
4-Methyl-2-Pentanone
Concen: 0.633 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX046420.D
Acq: 30 May 2025 14:39

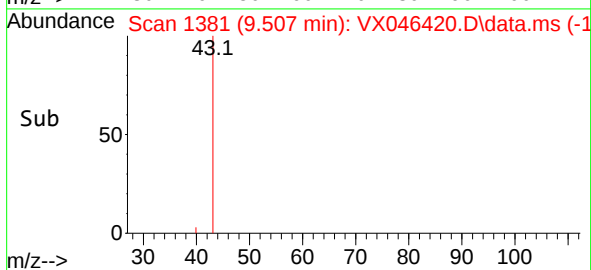
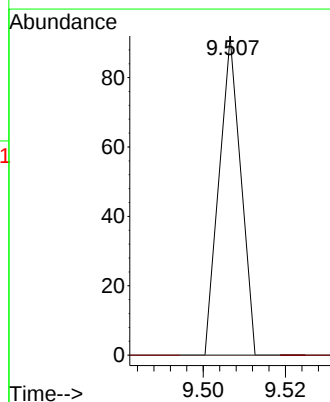
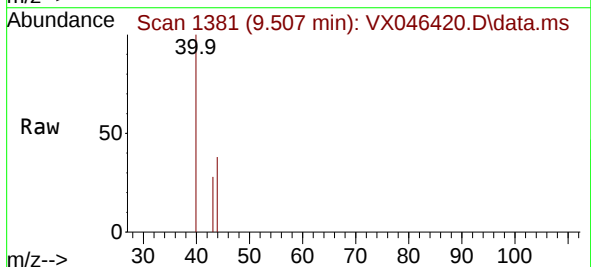
Instrument :
MSVOA_X
ClientSampleId :
250528060-03-TRIP-BLANK

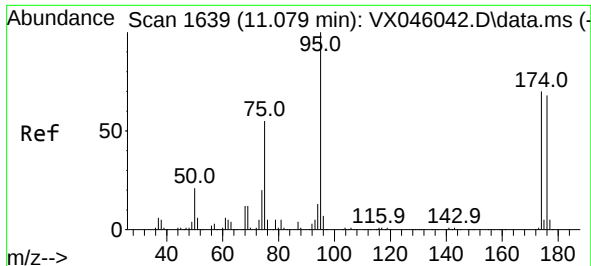
Tgt Ion: 43 Resp: 1010
Ion Ratio Lower Upper
43 100
58 143.3 28.9 43.3#



#59
2-Hexanone
Concen: 0.029 ug/l
RT: 9.507 min Scan# 1381
Delta R.T. 0.079 min
Lab File: VX046420.D
Acq: 30 May 2025 14:39

Tgt Ion: 43 Resp: 34
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#

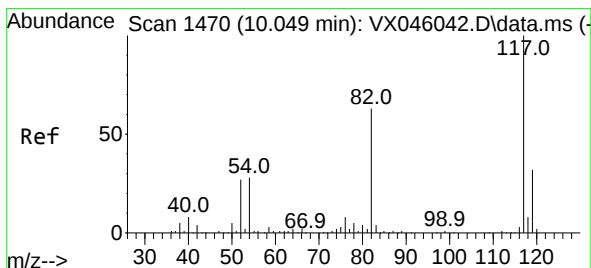
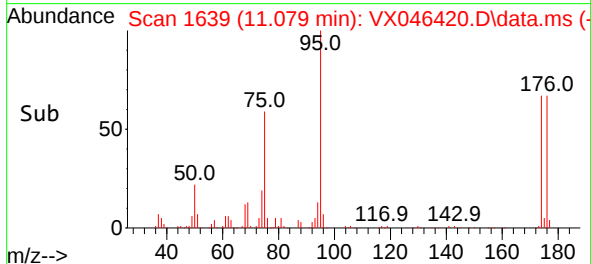
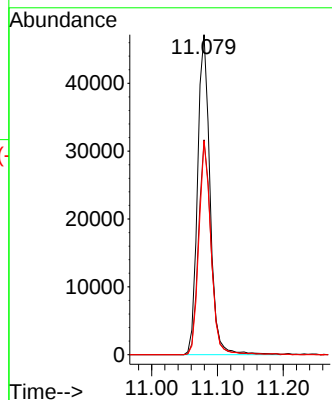
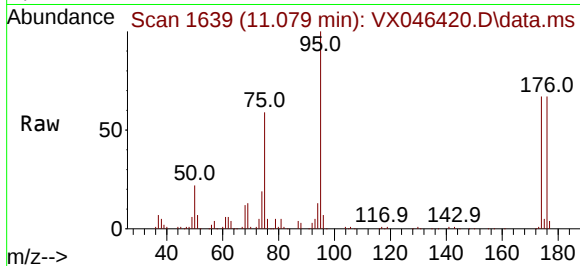




#62
4-Bromofluorobenzene
Concen: 48.866 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046420.D
Acq: 30 May 2025 14:39

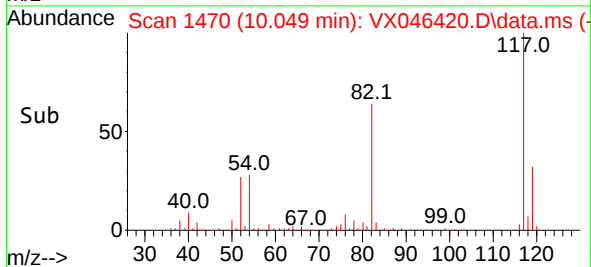
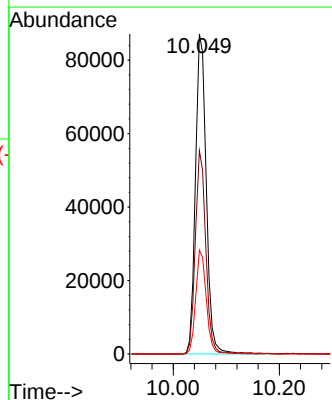
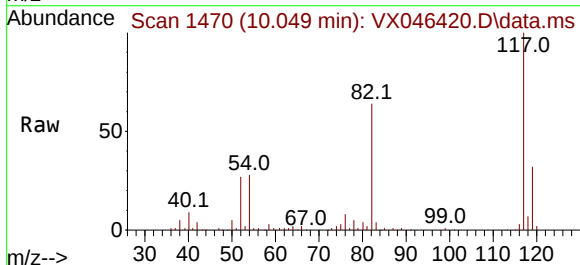
Instrument :
MSVOA_X
ClientSampleId :
250528060-03-TRIP-BLANK

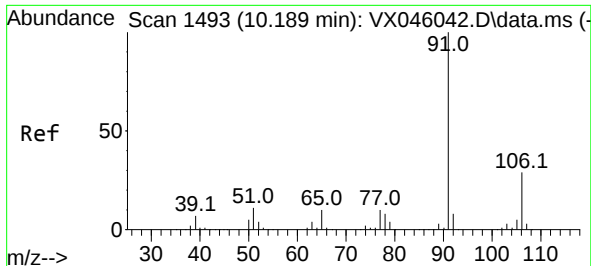
Tgt Ion: 95 Resp: 61544
Ion Ratio Lower Upper
95 100
174 67.0 0.0 135.8
176 64.8 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046420.D
Acq: 30 May 2025 14:39

Tgt Ion: 117 Resp: 123391
Ion Ratio Lower Upper
117 100
82 63.6 50.6 76.0
119 32.5 25.8 38.6





#67

Ethyl Benzene

Concen: 0.011 ug/l

RT: 10.317 min Scan# 11

Delta R.T. 0.128 min

Lab File: VX046420.D

Acq: 30 May 2025 14:39

Instrument :

MSVOA_X

ClientSampleId :

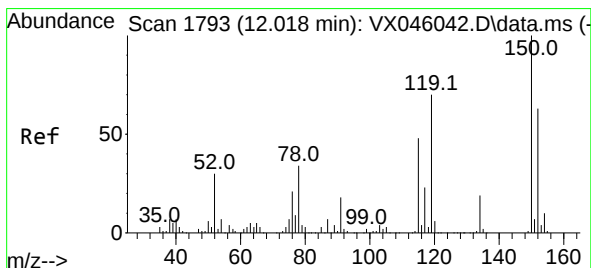
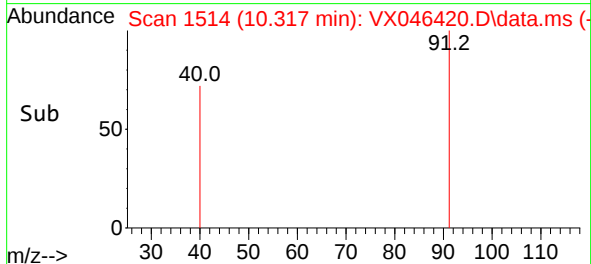
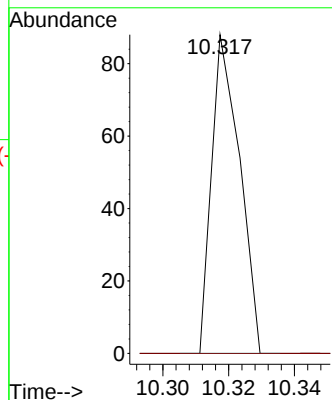
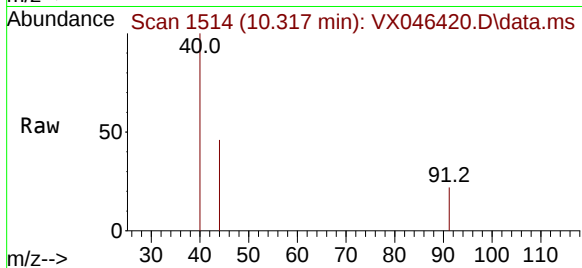
250528060-03-TRIP-BLANK

Tgt Ion: 91 Resp: 52

Ion Ratio Lower Upper

91 100

106 0.0 23.4 35.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX046420.D

Acq: 30 May 2025 14:39

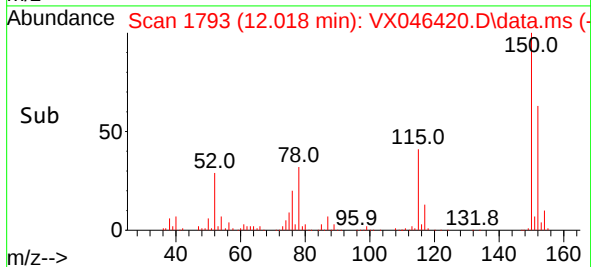
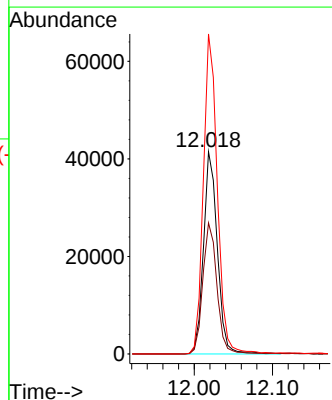
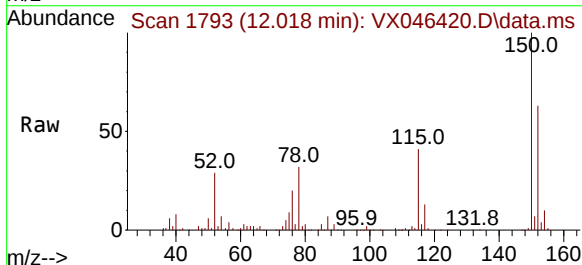
Tgt Ion: 152 Resp: 51011

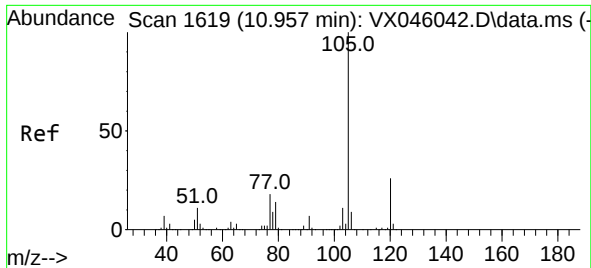
Ion Ratio Lower Upper

152 100

115 65.9 46.9 140.7

150 159.2 0.0 351.0

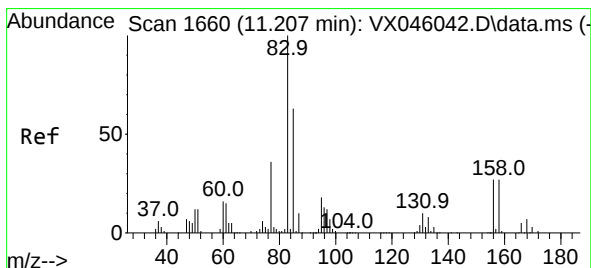
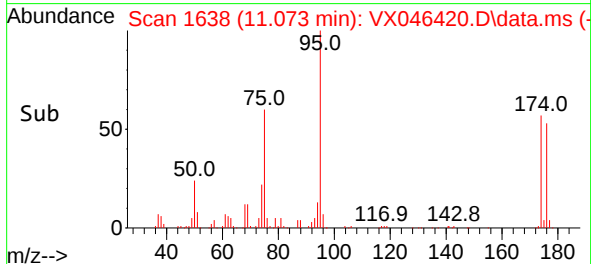
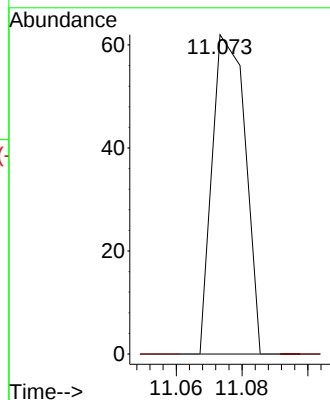
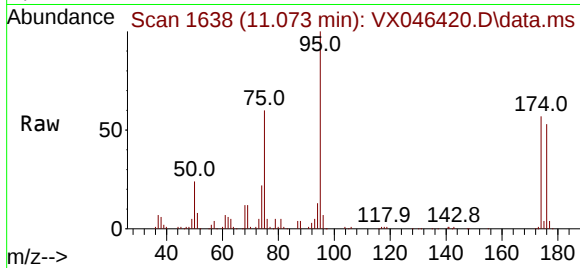




#73
Isopropylbenzene
Concen: 0.011 ug/l
RT: 11.073 min Scan# 1638
Delta R.T. 0.116 min
Lab File: VX046420.D
Acq: 30 May 2025 14:39

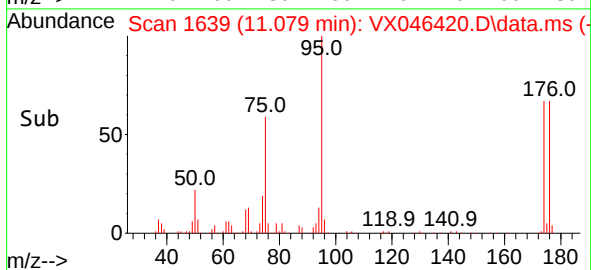
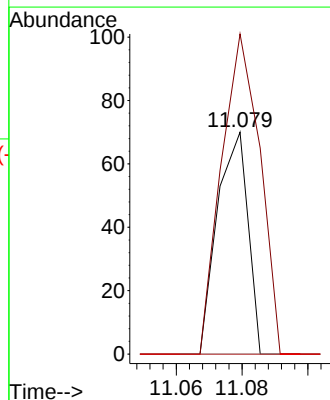
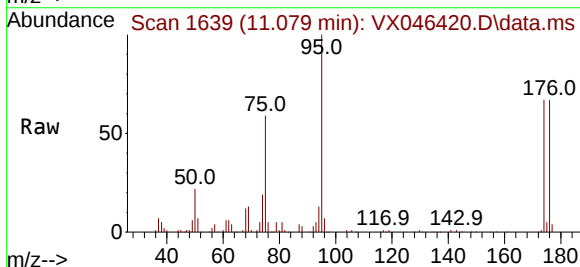
Instrument :
MSVOA_X
ClientSampleId :
250528060-03-TRIP-BLANK

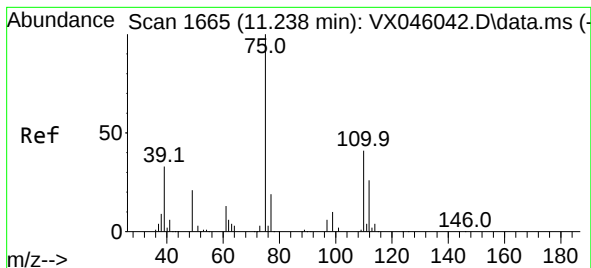
Tgt Ion:105 Resp: 43
Ion Ratio Lower Upper
105 100
120 0.0 12.8 38.4#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.032 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.128 min
Lab File: VX046420.D
Acq: 30 May 2025 14:39

Tgt Ion: 83 Resp: 45
Ion Ratio Lower Upper
83 100
131 182.2 5.0 14.9#
85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 29.272 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX046420.D

Acq: 30 May 2025 14:39

Instrument :

MSVOA_X

ClientSampleId :

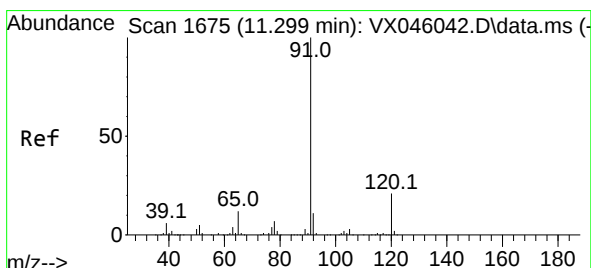
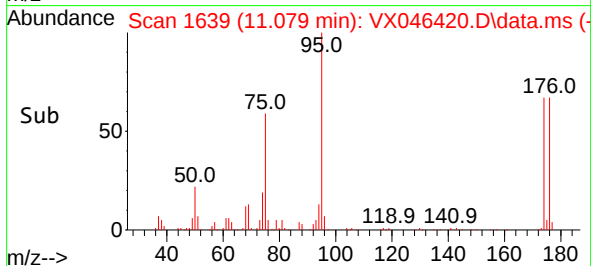
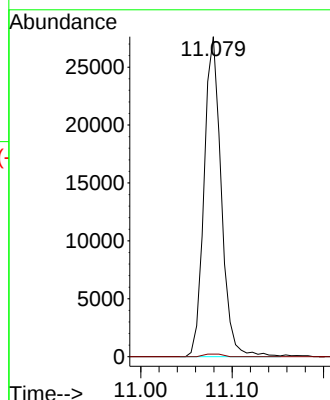
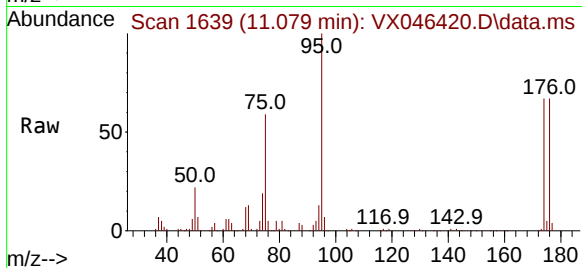
250528060-03-TRIP-BLANK

Tgt Ion: 75 Resp: 35942

Ion Ratio Lower Upper

75 100

77 0.9 20.5 61.5#



#78

n-propylbenzene

Concen: 0.073 ug/l

RT: 11.073 min Scan# 1638

Delta R.T. -0.226 min

Lab File: VX046420.D

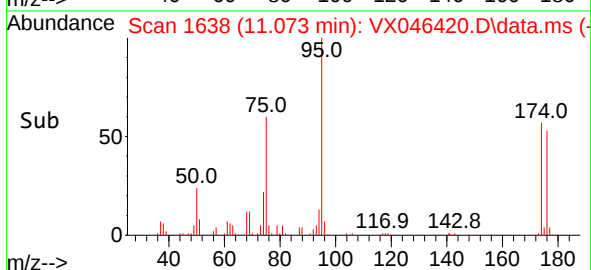
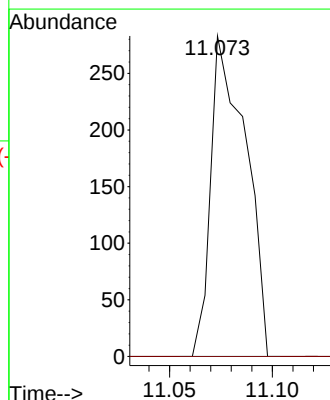
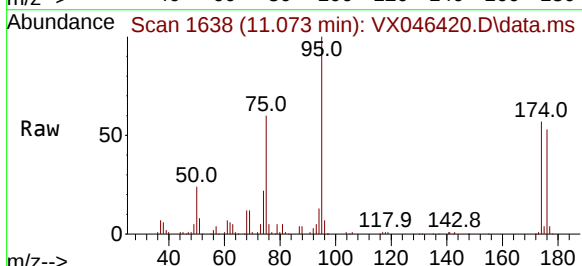
Acq: 30 May 2025 14:39

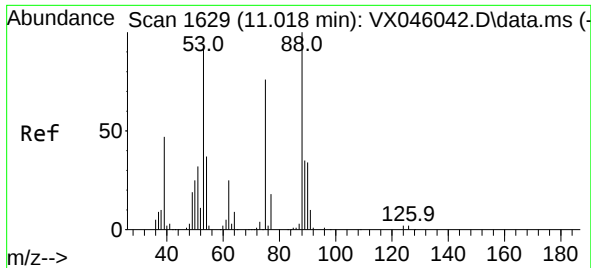
Tgt Ion: 91 Resp: 335

Ion Ratio Lower Upper

91 100

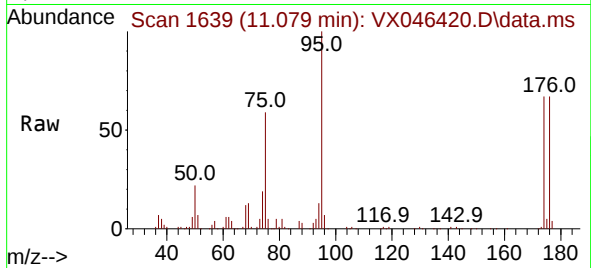
120 0.0 10.8 32.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.301 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046420.D
 Acq: 30 May 2025 14:39

Instrument :
 MSVOA_X
 ClientSampleId :
 250528060-03-TRIP-BLANK



Tgt Ion: 75 Resp: 35942
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

