

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
 Data File : VX046402.D
 Acq On : 29 May 2025 16:20
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: May 30 01:32:27 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

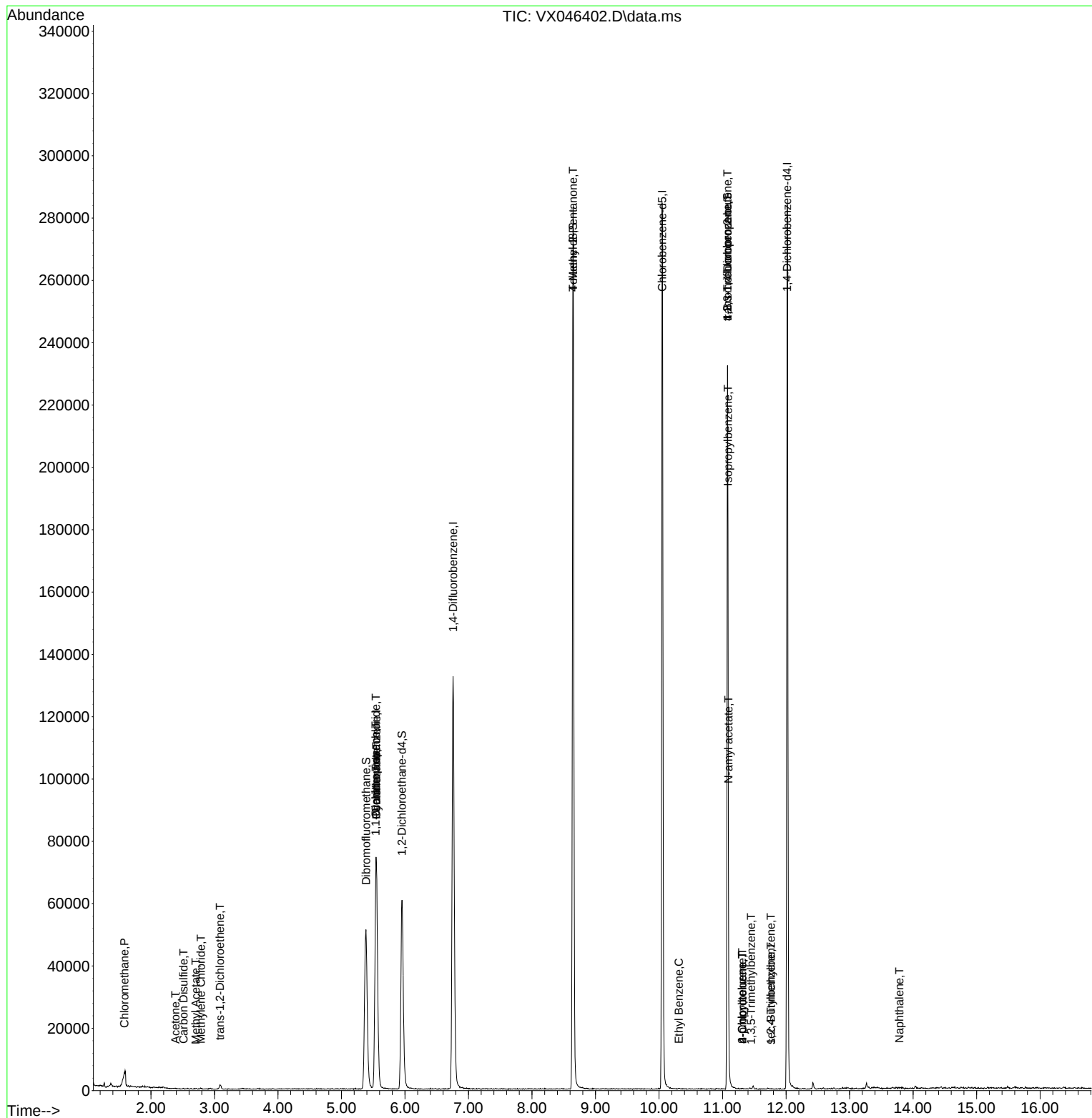
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	62968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	127281	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	118240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63272	53.898	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.800%	
35) Dibromofluoromethane	5.385	113	45167	49.279	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.560%	
50) Toluene-d8	8.647	98	157607	49.682	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.360%	
62) 4-Bromofluorobenzene	11.079	95	62426	51.301	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.600%	
Target Compounds						Qvalue
3) Chloromethane	1.581	50	49	0.052	ug/l #	43
16) Acetone	2.386	43	130	0.276	ug/l #	48
17) Carbon Disulfide	2.514	76	92	0.052	ug/l #	76
18) Methyl Acetate	2.703	43	110	0.101	ug/l #	55
20) Methylene Chloride	2.788	84	83	0.092	ug/l #	59
21) trans-1,2-Dichloroethene	3.087	96	661	0.880	ug/l	83
31) Cyclohexane	5.550	56	2136	1.527	ug/l #	39
36) 1,1-Dichloropropene	5.537	75	6138	4.984	ug/l #	53
38) Carbon Tetrachloride	5.544	117	7386	5.338	ug/l #	16
51) 4-Methyl-2-Pentanone	8.647	43	921	0.598	ug/l #	1
67) Ethyl Benzene	10.311	91	167	0.037	ug/l #	45
73) Isopropylbenzene	11.085	105	54	0.013	ug/l #	49
74) N-amyl acetate	11.091	43	52	0.025	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	35897	28.104	ug/l #	36
78) n-propylbenzene	11.311	91	107	0.022	ug/l #	54
79) 2-Chlorotoluene	11.311	91	107	0.035	ug/l #	44
80) 1,3,5-Trimethylbenzene	11.451	105	44	0.013	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.079	75	35897	91.497	ug/l #	1
82) 4-Chlorotoluene	11.311	91	107	0.031	ug/l #	48
84) 1,2,4-Trimethylbenzene	11.762	105	83	0.024	ug/l #	33
85) sec-Butylbenzene	11.762	105	83	0.019	ug/l #	57
95) Naphthalene	13.786	128	138	0.037	ug/l #	69

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

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Quant Time: May 30 01:32:27 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

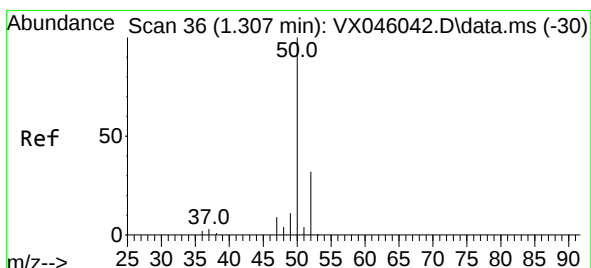
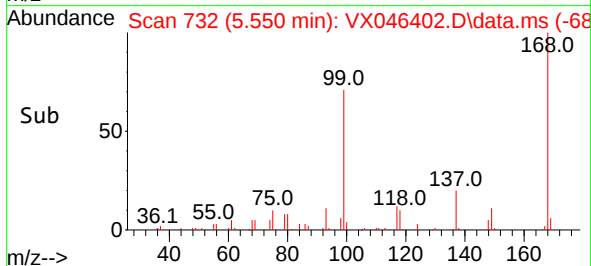
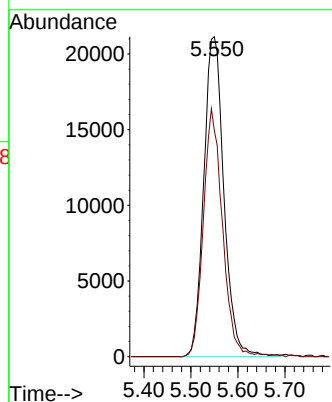
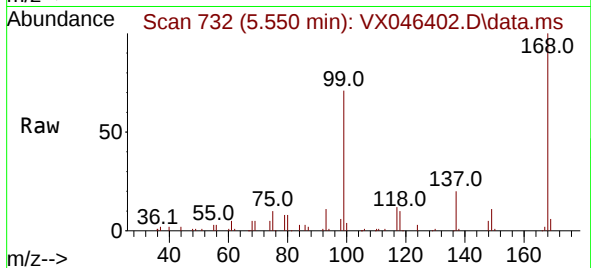




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046402.D
Acq: 29 May 2025 16:20

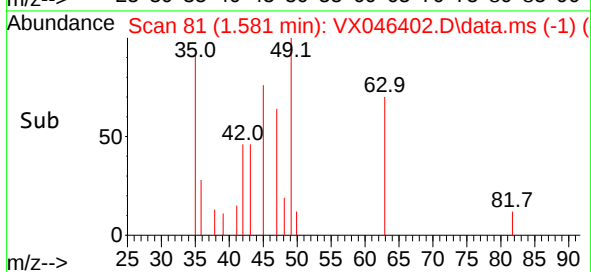
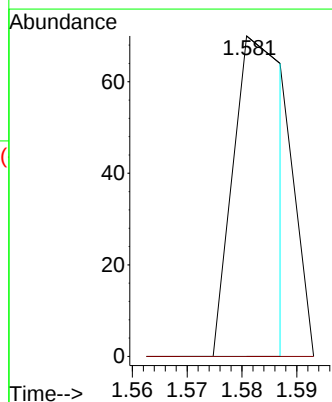
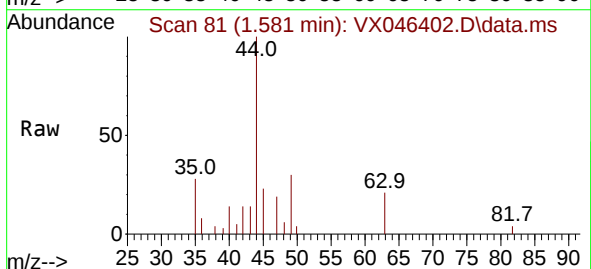
Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion:168 Resp: 62968
Ion Ratio Lower Upper
168 100
99 70.7 54.9 82.3



#3
Chloromethane
Concen: 0.052 ug/l
RT: 1.581 min Scan# 81
Delta R.T. 0.274 min
Lab File: VX046402.D
Acq: 29 May 2025 16:20

Tgt Ion: 50 Resp: 49
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

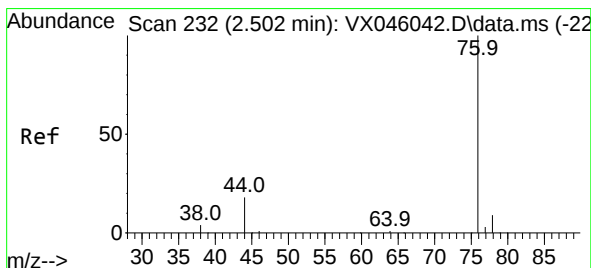
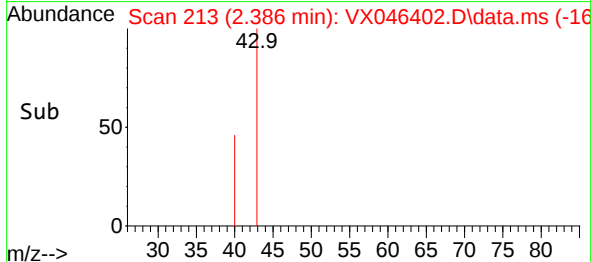
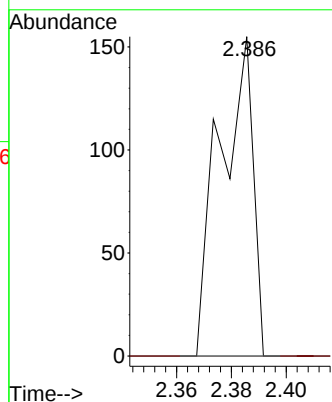
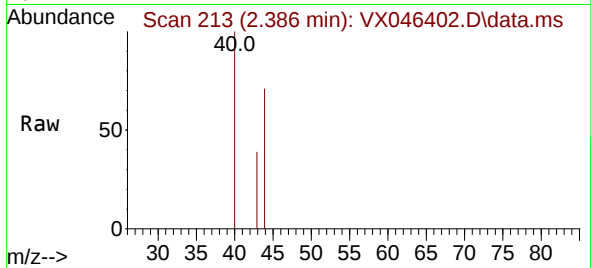




#16
Acetone
Concen: 0.276 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046402.D
Acq: 29 May 2025 16:20

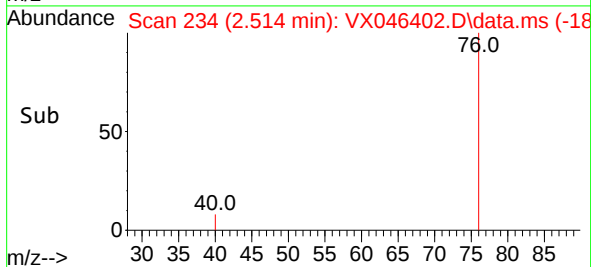
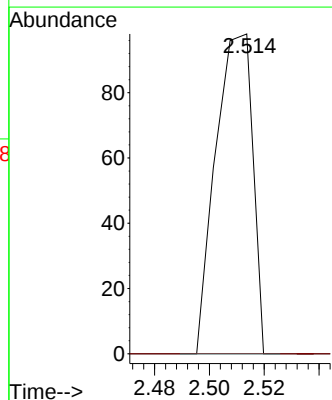
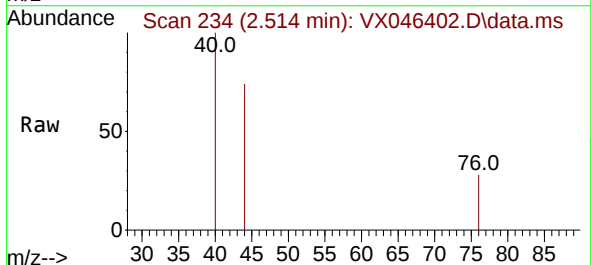
Instrument :
MSVOA_X
ClientSampleId :
IBLK

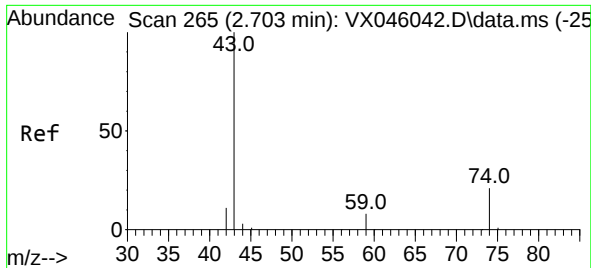
Tgt Ion: 43 Resp: 130
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#



#17
Carbon Disulfide
Concen: 0.052 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.012 min
Lab File: VX046402.D
Acq: 29 May 2025 16:20

Tgt Ion: 76 Resp: 92
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

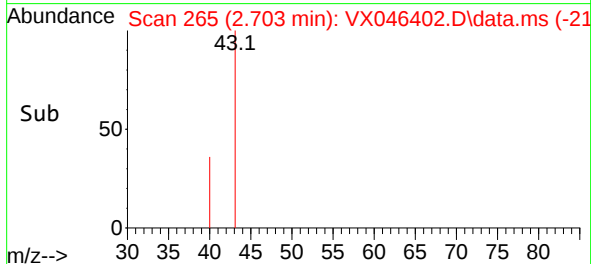
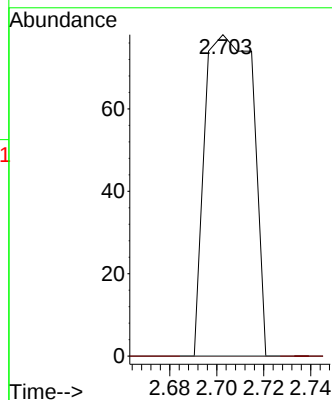
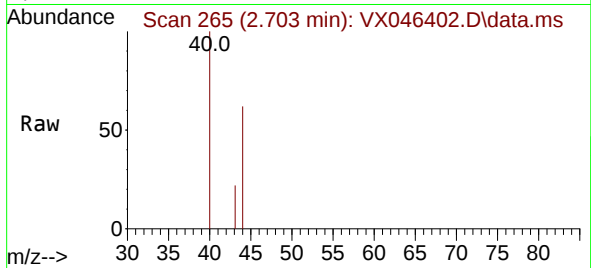




#18
Methyl Acetate
Concen: 0.101 ug/l
RT: 2.703 min Scan# 210
Delta R.T. -0.000 min
Lab File: VX046402.D
Acq: 29 May 2025 16:20

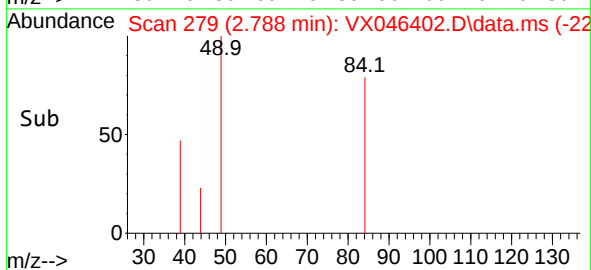
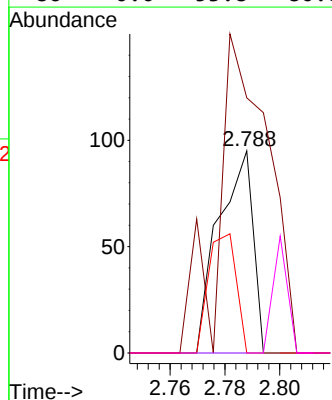
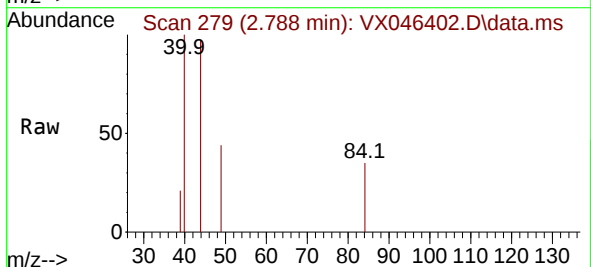
Instrument :
MSVOA_X
ClientSampleId :
IBLK

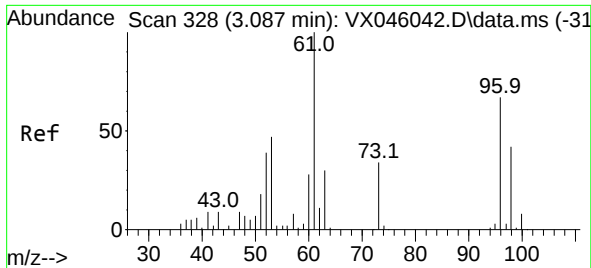
Tgt Ion: 43 Resp: 110
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 0.092 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX046402.D
Acq: 29 May 2025 16:20

Tgt Ion: 84 Resp: 83
Ion Ratio Lower Upper
84 100
49 126.3 113.9 170.9
51 0.0 33.5 50.3#
86 0.0 53.8 80.8#

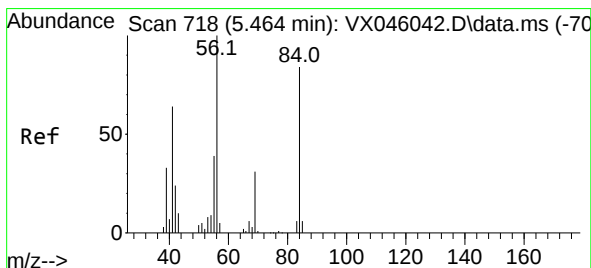
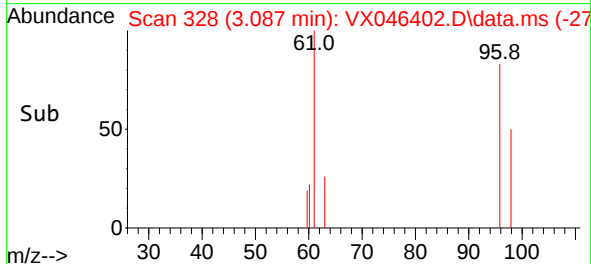
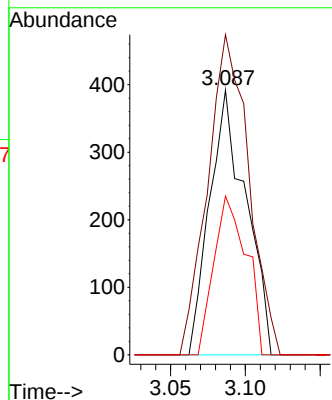
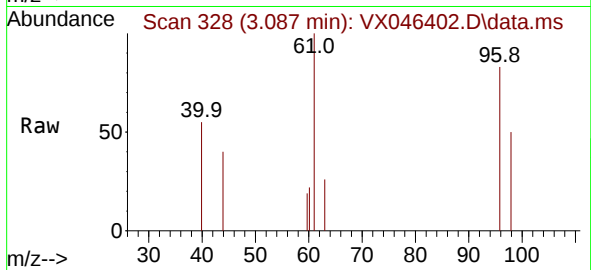




#21
trans-1,2-Dichloroethene
Concen: 0.880 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX046402.D
Acq: 29 May 2025 16:20

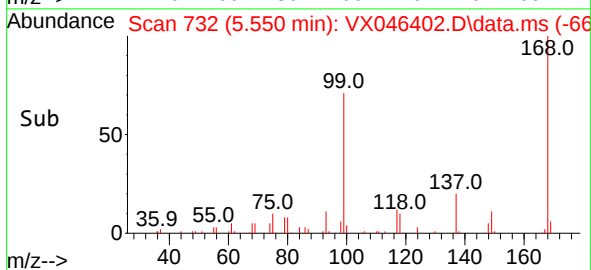
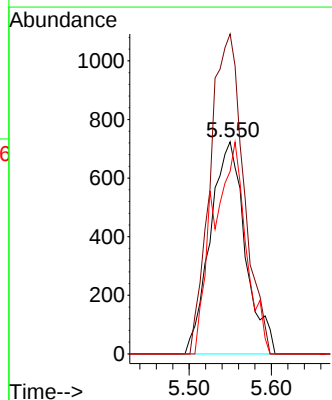
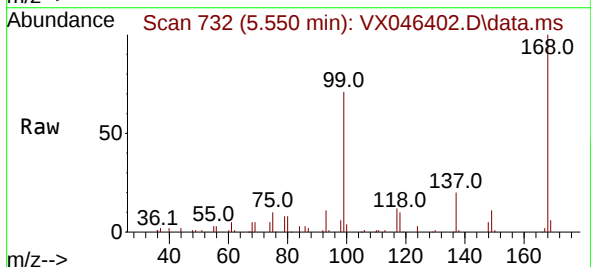
Instrument :
MSVOA_X
ClientSampleId :
IBLK

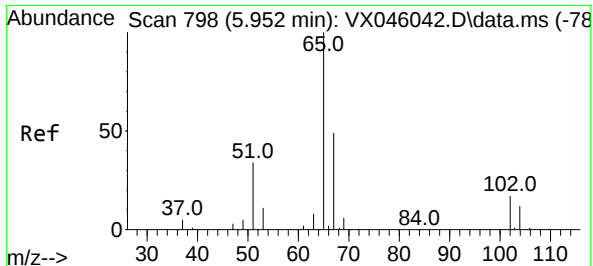
Tgt Ion: 96 Resp: 661
Ion Ratio Lower Upper
96 100
61 120.9 119.5 179.3
98 59.9 50.0 75.0



#31
Cyclohexane
Concen: 1.527 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX046402.D
Acq: 29 May 2025 16:20

Tgt Ion: 56 Resp: 2136
Ion Ratio Lower Upper
56 100
69 150.8 24.4 36.6#
84 86.0 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 53.898 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046402.D

Acq: 29 May 2025 16:20

Instrument :

MSVOA_X

ClientSampleId :

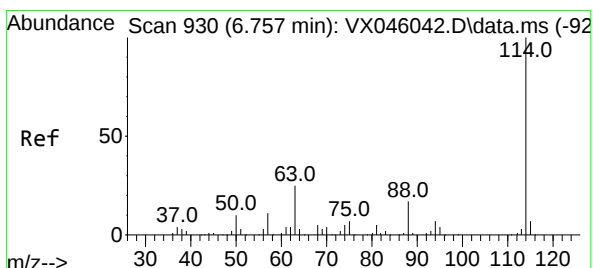
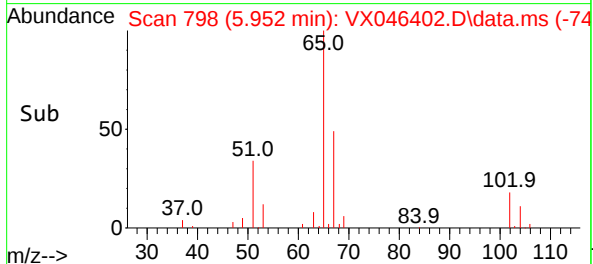
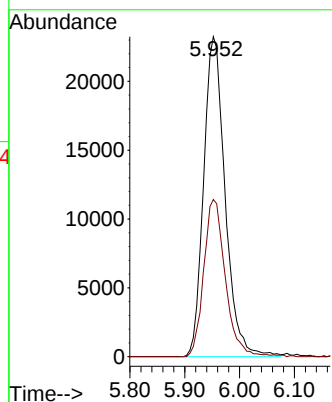
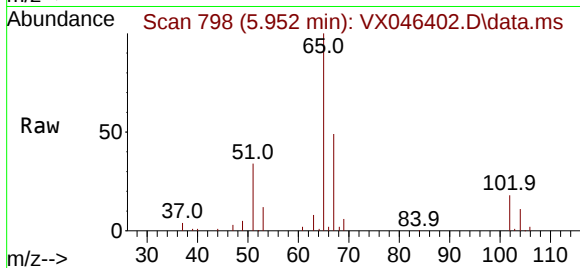
IBLK

Tgt Ion: 65 Resp: 63272

Ion Ratio Lower Upper

65 100

67 49.4 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: VX046402.D

Acq: 29 May 2025 16:20

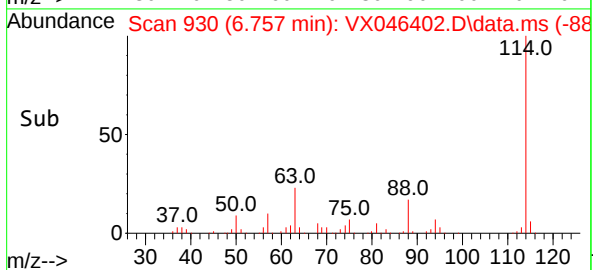
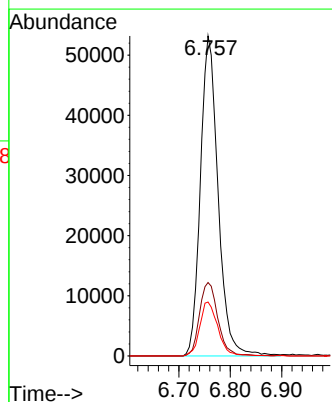
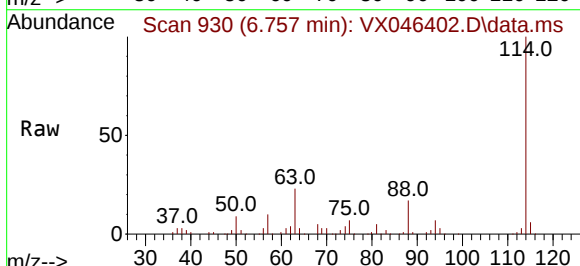
Tgt Ion: 114 Resp: 127281

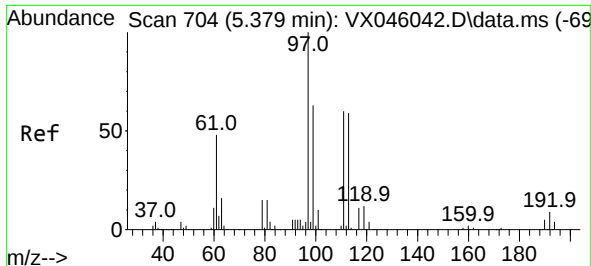
Ion Ratio Lower Upper

114 100

63 22.9 0.0 49.2

88 16.9 0.0 33.6

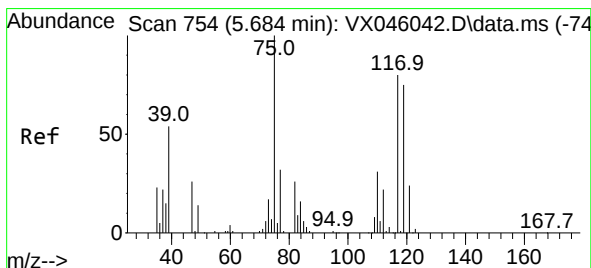
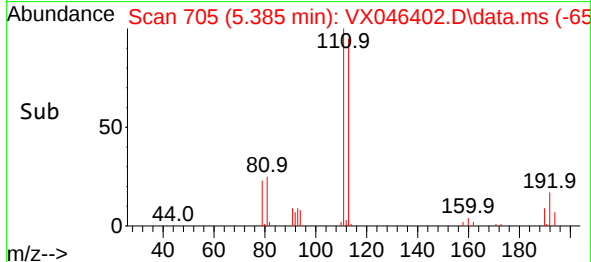
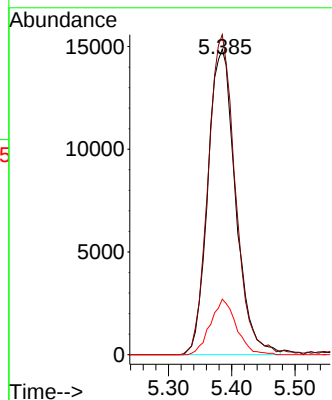
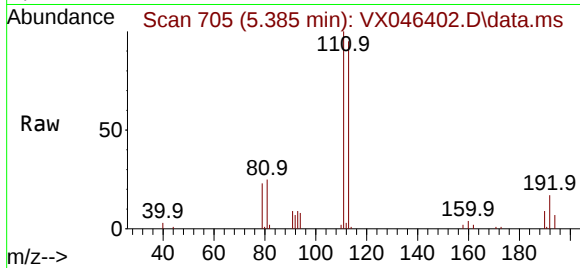




#35
 Dibromofluoromethane
 Concen: 49.279 ug/l
 RT: 5.385 min Scan# 704
 Delta R.T. 0.006 min
 Lab File: VX046402.D
 Acq: 29 May 2025 16:20

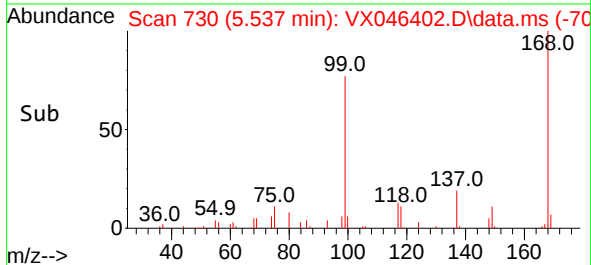
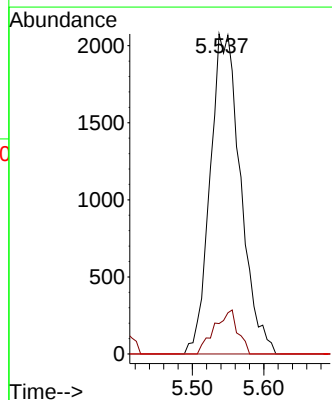
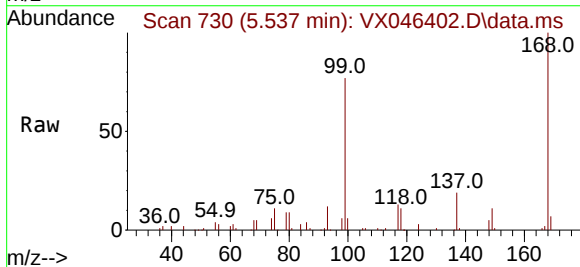
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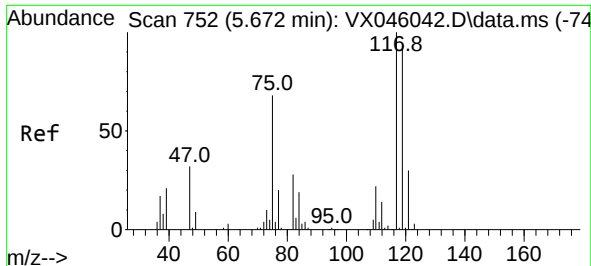
Tgt Ion:113 Resp: 45167
 Ion Ratio Lower Upper
 113 100
 111 103.4 83.1 124.7
 192 17.0 13.3 19.9



#36
 1,1-Dichloropropene
 Concen: 4.984 ug/l
 RT: 5.537 min Scan# 730
 Delta R.T. -0.146 min
 Lab File: VX046402.D
 Acq: 29 May 2025 16:20

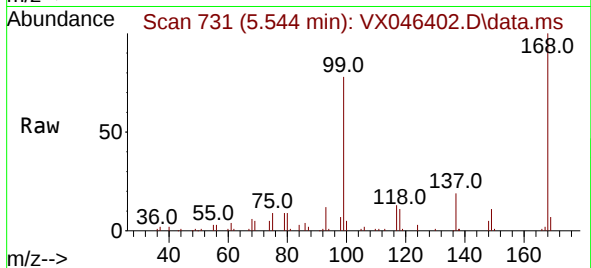
Tgt Ion: 75 Resp: 6138
 Ion Ratio Lower Upper
 75 100
 110 10.6 16.3 48.9#
 77 0.0 24.3 36.5#



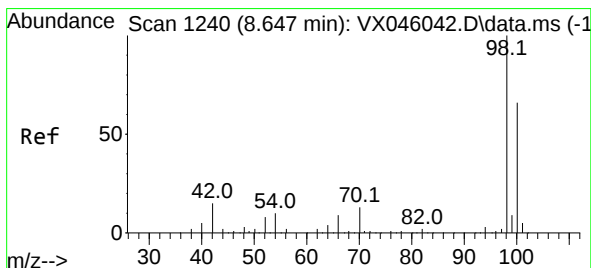
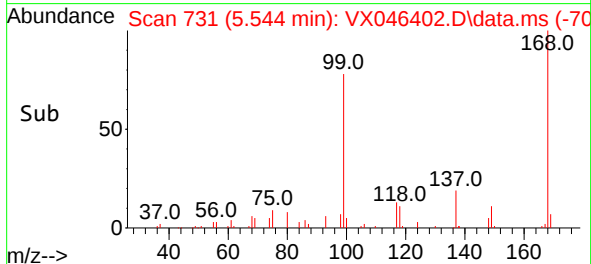
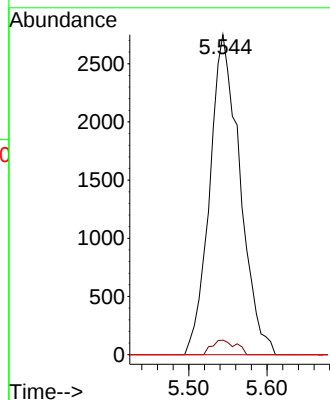


#38
Carbon Tetrachloride
Concen: 5.338 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046402.D
Acq: 29 May 2025 16:20

Instrument :
MSVOA_X
ClientSampleId :
IBLK

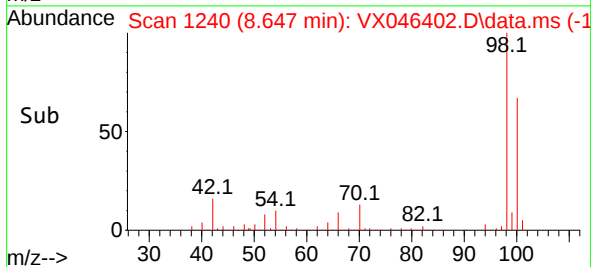
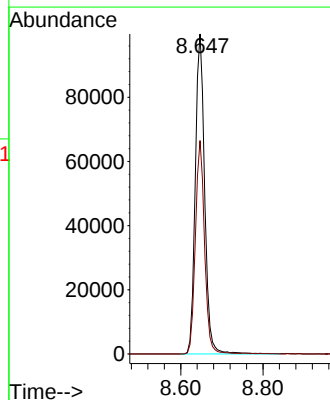
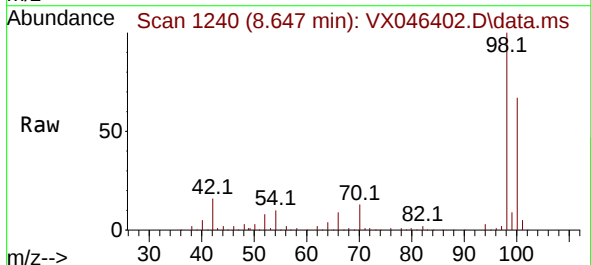


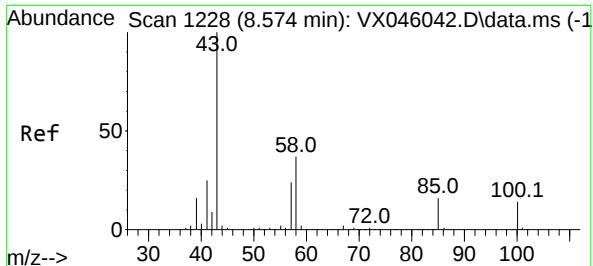
Tgt Ion:117 Resp: 7386
Ion Ratio Lower Upper
117 100
119 4.5 75.2 112.8#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 49.682 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046402.D
Acq: 29 May 2025 16:20

Tgt Ion: 98 Resp: 157607
Ion Ratio Lower Upper
98 100
100 65.2 53.5 80.3

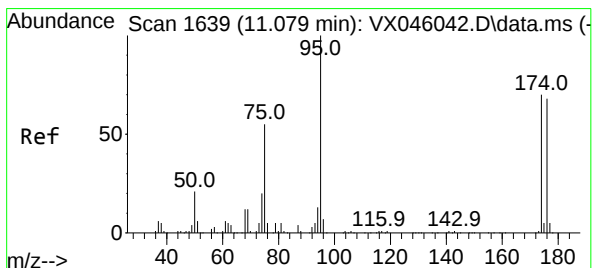
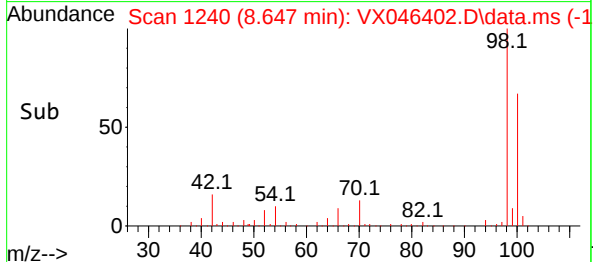
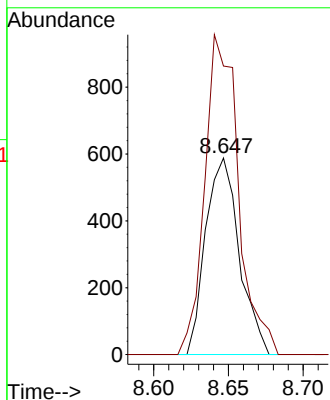
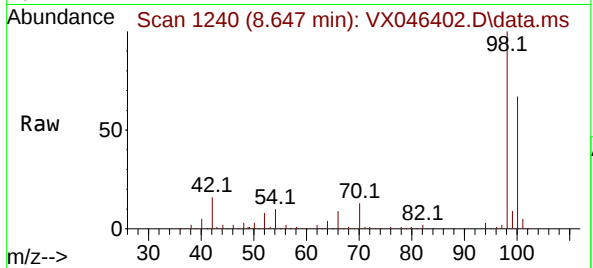




#51
4-Methyl-2-Pentanone
Concen: 0.598 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX046402.D
Acq: 29 May 2025 16:20

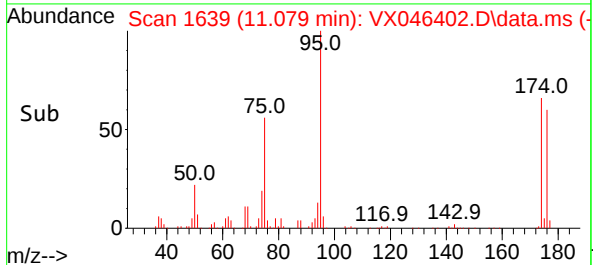
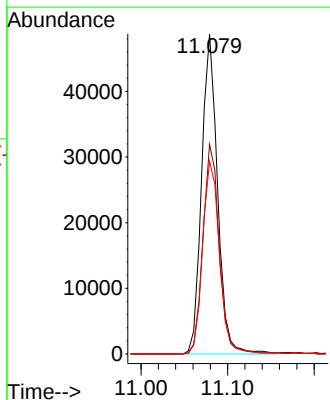
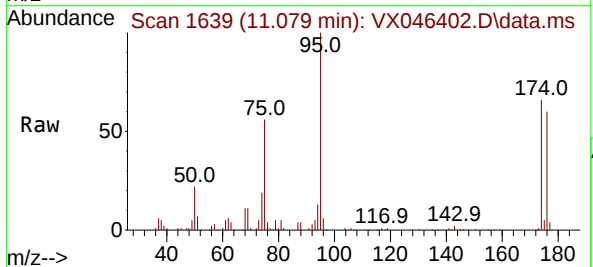
Instrument :
MSVOA_X
ClientSampleId :
IBLK

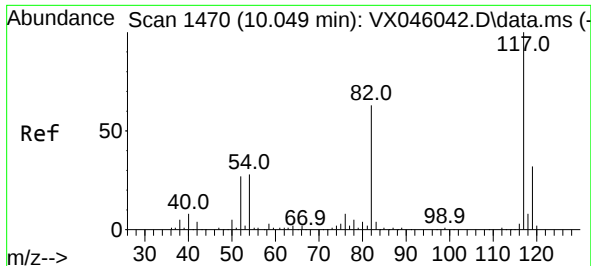
Tgt Ion: 43 Resp: 921
Ion Ratio Lower Upper
43 100
58 162.3 28.9 43.3#



#62
4-Bromofluorobenzene
Concen: 51.301 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046402.D
Acq: 29 May 2025 16:20

Tgt Ion: 95 Resp: 62426
Ion Ratio Lower Upper
95 100
174 66.8 0.0 135.8
176 64.0 0.0 131.4

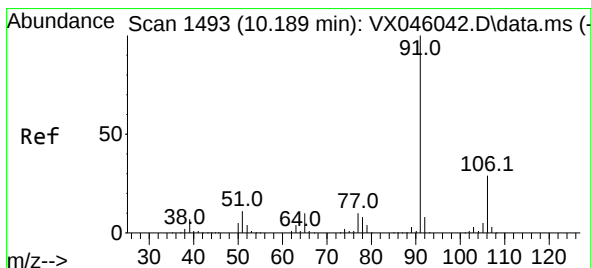
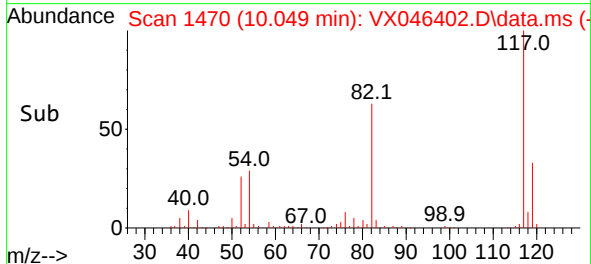
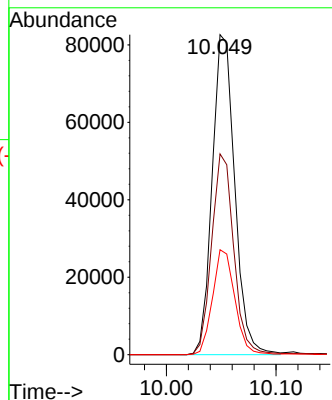
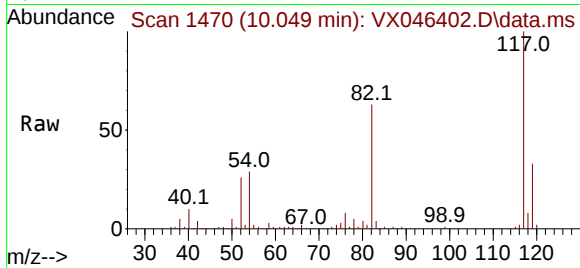




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046402.D
Acq: 29 May 2025 16:20

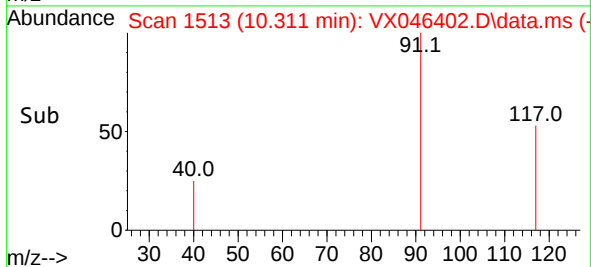
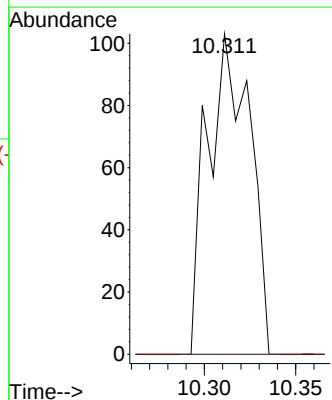
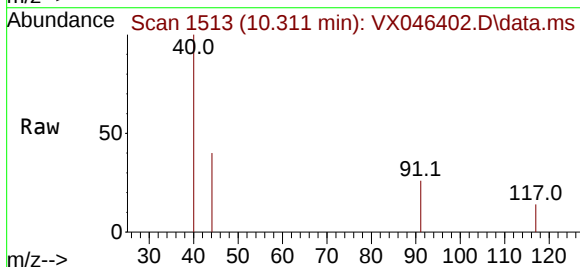
Instrument :
MSVOA_X
ClientSampleId :
IBLK

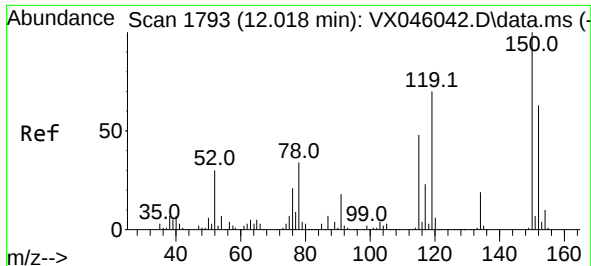
Tgt Ion:117 Resp: 118240
Ion Ratio Lower Upper
117 100
82 62.7 50.6 76.0
119 32.8 25.8 38.6



#67
Ethyl Benzene
Concen: 0.037 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.122 min
Lab File: VX046402.D
Acq: 29 May 2025 16:20

Tgt Ion: 91 Resp: 167
Ion Ratio Lower Upper
91 100
106 0.0 23.4 35.2#

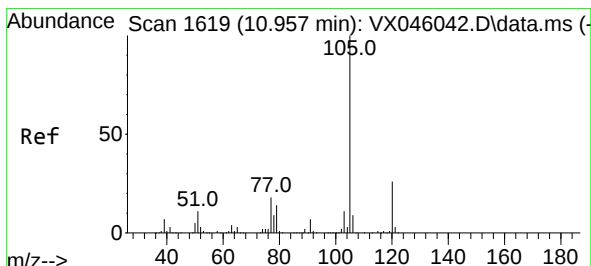
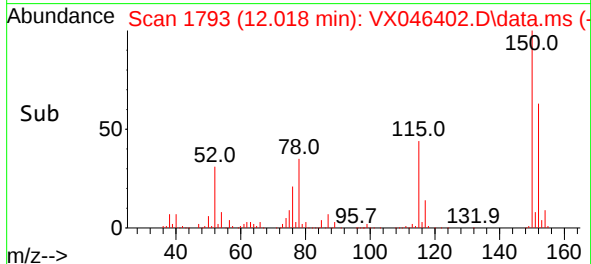
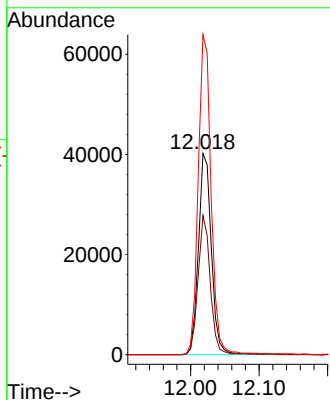
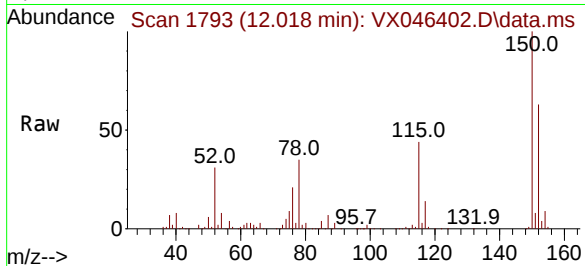




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046402.D
Acq: 29 May 2025 16:20

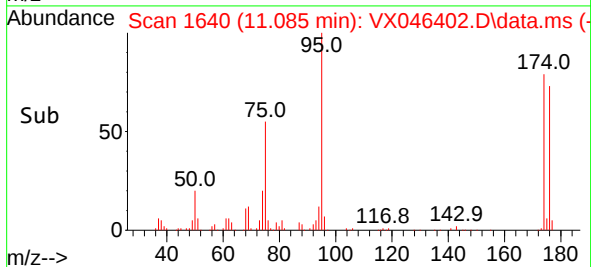
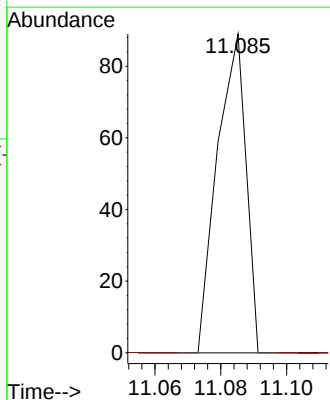
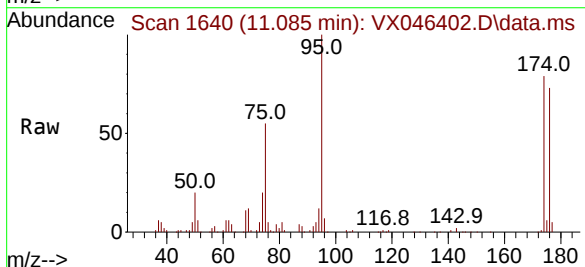
Instrument :
MSVOA_X
ClientSampleId :
IBLK

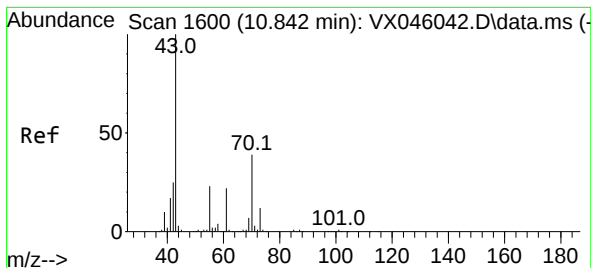
Tgt Ion:152 Resp: 53065
Ion Ratio Lower Upper
152 100
115 65.4 46.9 140.7
150 158.0 0.0 351.0



#73
Isopropylbenzene
Concen: 0.013 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.128 min
Lab File: VX046402.D
Acq: 29 May 2025 16:20

Tgt Ion:105 Resp: 54
Ion Ratio Lower Upper
105 100
120 0.0 12.8 38.4#





#74

N-amy1 acetate

Concen: 0.025 ug/l

RT: 11.091 min Scan# 1

Delta R.T. 0.250 min

Lab File: VX046402.D

Acq: 29 May 2025 16:20

Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion: 43 Resp: 52

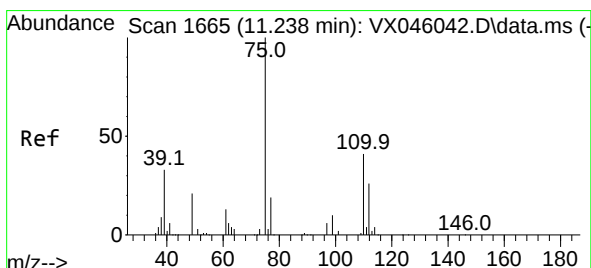
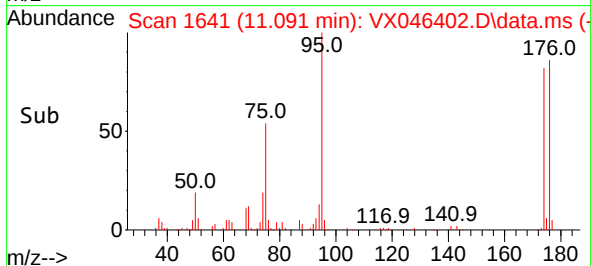
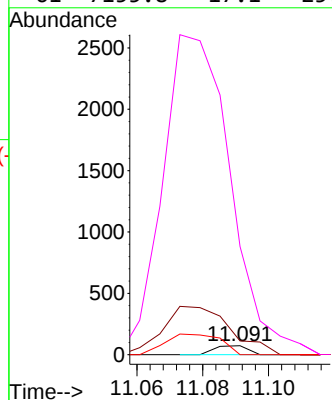
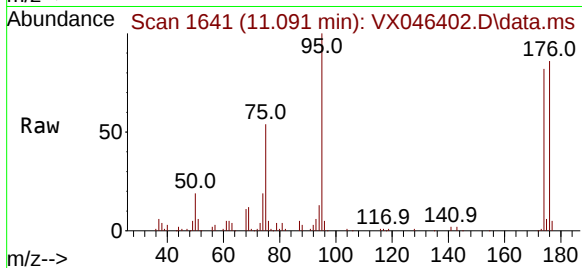
Ion Ratio Lower Upper

43 100

70 1080.8 30.9 46.3#

55 378.8 18.7 28.1#

61 7155.8 17.1 25.7#



#76

1,2,3-Trichloropropane

Concen: 28.104 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046402.D

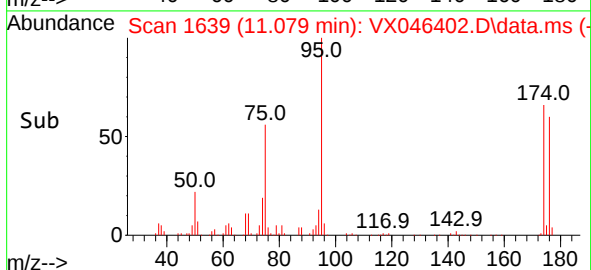
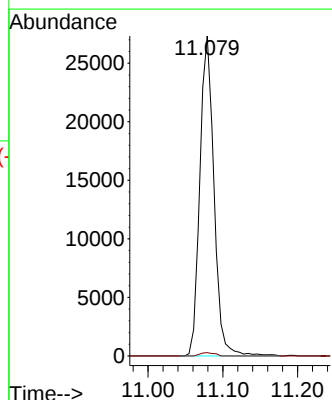
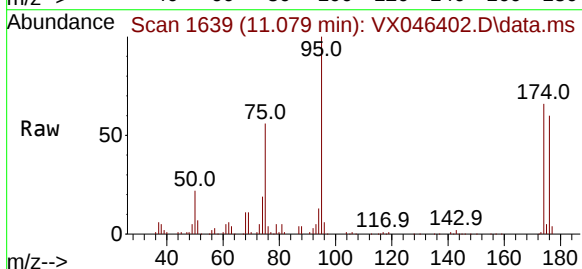
Acq: 29 May 2025 16:20

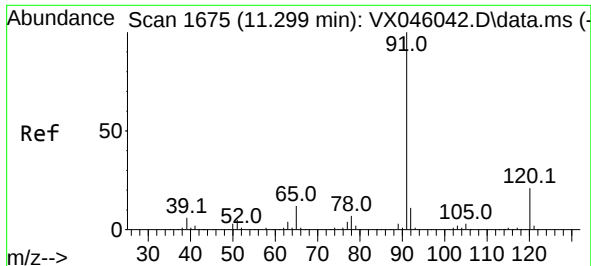
Tgt Ion: 75 Resp: 35897

Ion Ratio Lower Upper

75 100

77 1.1 20.5 61.5#

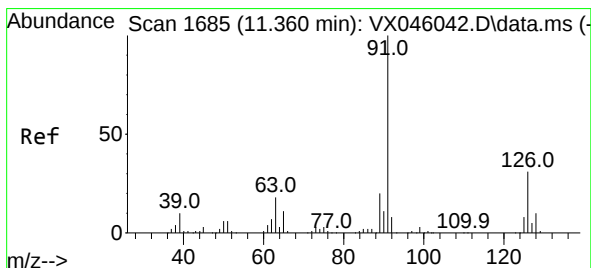
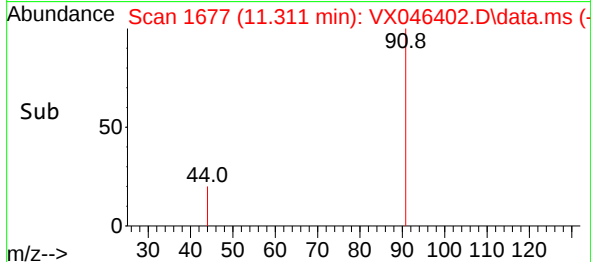
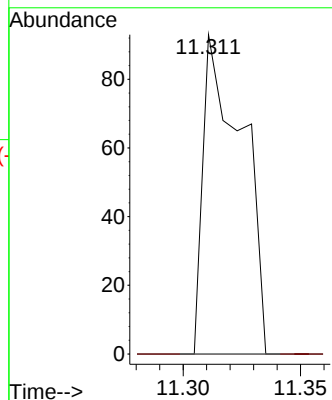
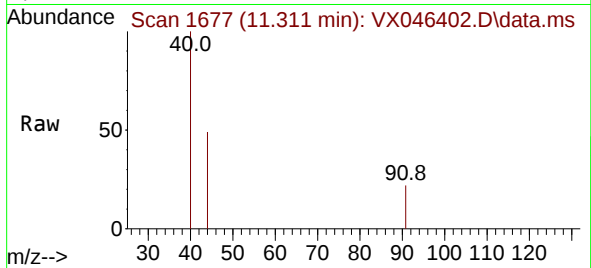




#78
n-propylbenzene
Concen: 0.022 ug/l
RT: 11.311 min Scan# 1677
Delta R.T. 0.012 min
Lab File: VX046402.D
Acq: 29 May 2025 16:20

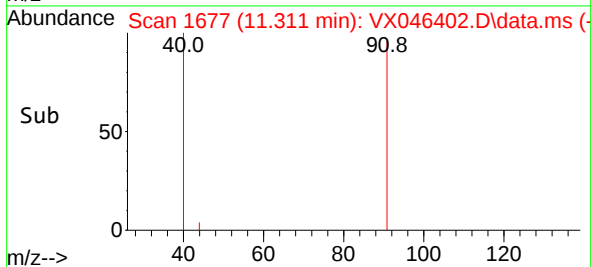
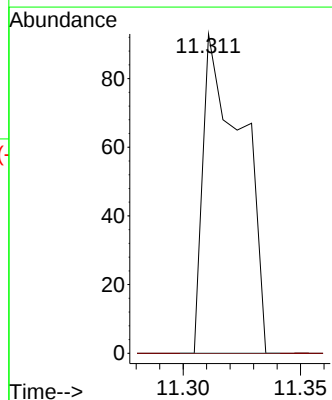
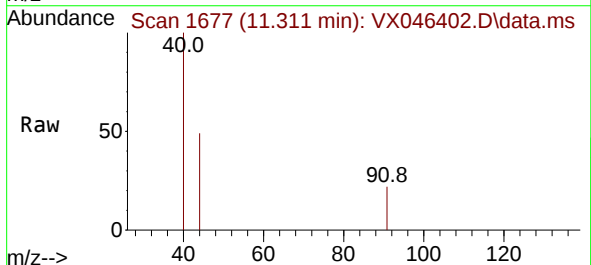
Instrument :
MSVOA_X
ClientSampleId :
IBLK

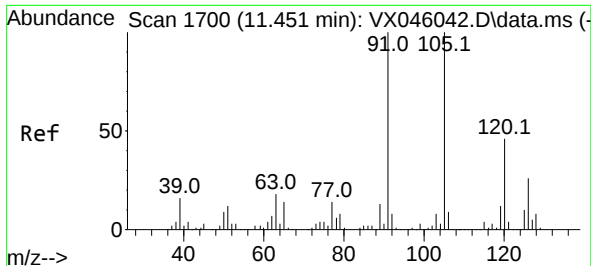
Tgt Ion: 91 Resp: 107
Ion Ratio Lower Upper
91 100
120 0.0 10.8 32.4#



#79
2-Chlorotoluene
Concen: 0.035 ug/l
RT: 11.311 min Scan# 1677
Delta R.T. -0.049 min
Lab File: VX046402.D
Acq: 29 May 2025 16:20

Tgt Ion: 91 Resp: 107
Ion Ratio Lower Upper
91 100
126 0.0 15.6 46.7#

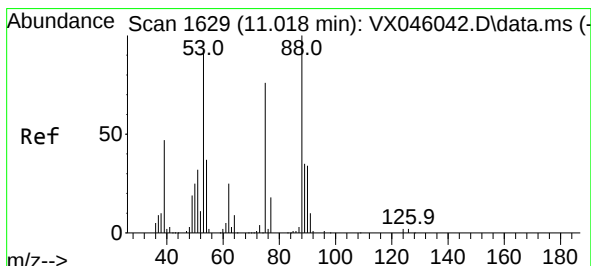
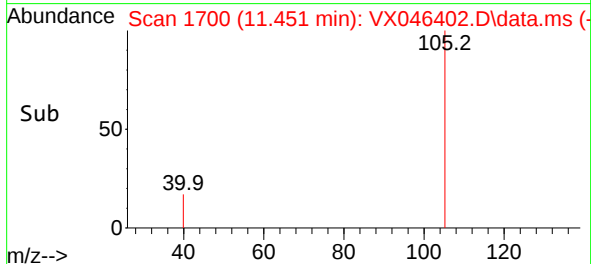
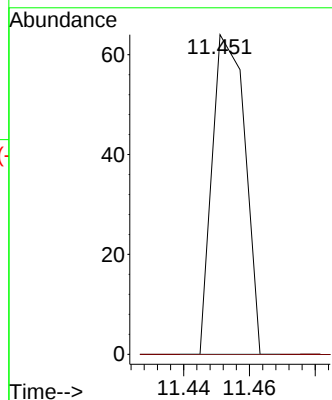
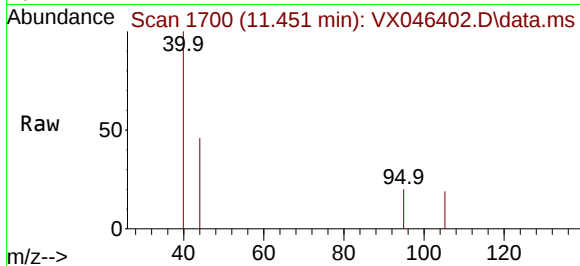




#80
1,3,5-Trimethylbenzene
Concen: 0.013 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046402.D
Acq: 29 May 2025 16:20

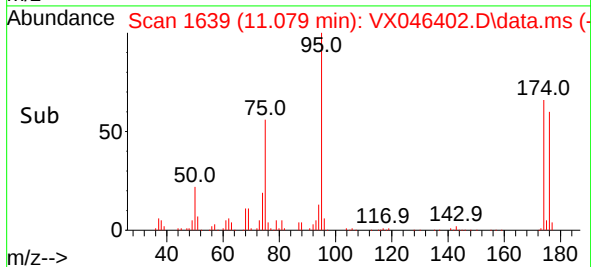
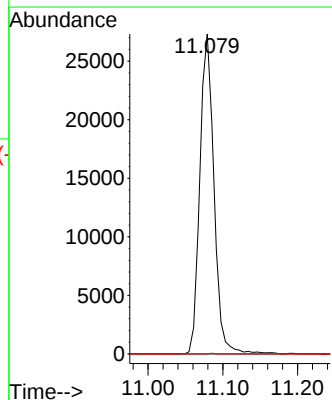
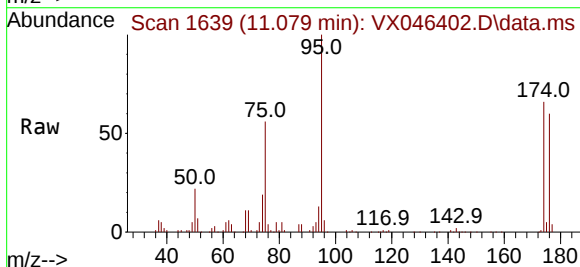
Instrument :
MSVOA_X
ClientSampleId :
IBLK

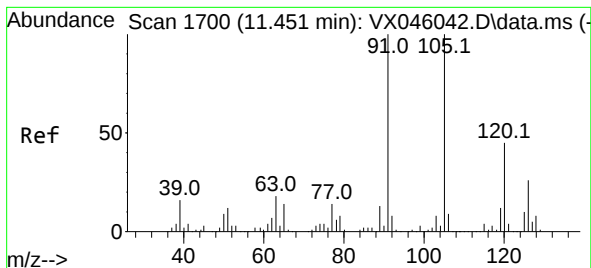
Tgt Ion:105 Resp: 44
Ion Ratio Lower Upper
105 100
120 0.0 23.1 69.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.497 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046402.D
Acq: 29 May 2025 16:20

Tgt Ion: 75 Resp: 35897
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.1 37.0 55.6#

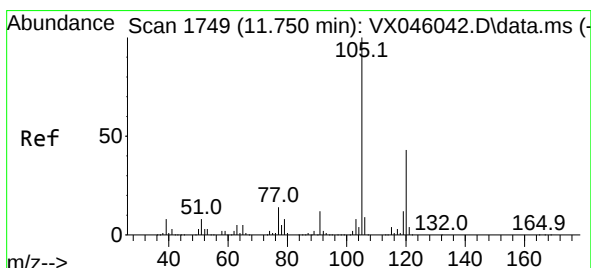
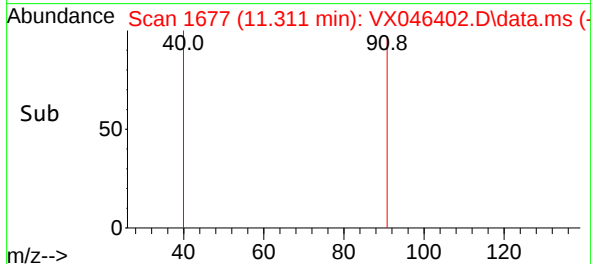
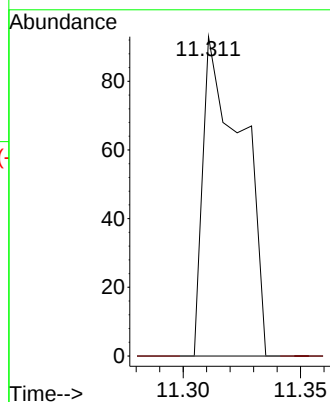
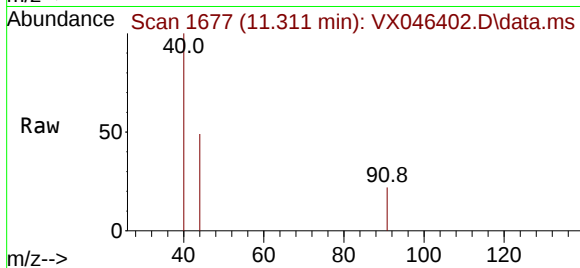




#82
4-Chlorotoluene
Concen: 0.031 ug/l
RT: 11.311 min Scan# 1700
Delta R.T. -0.140 min
Lab File: VX046402.D
Acq: 29 May 2025 16:20

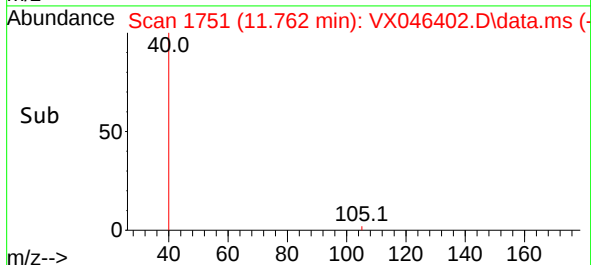
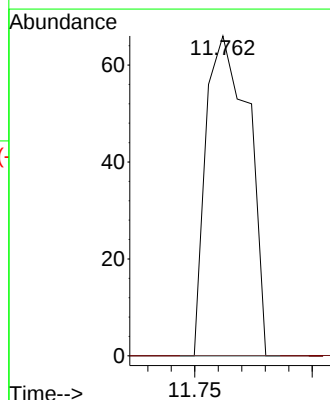
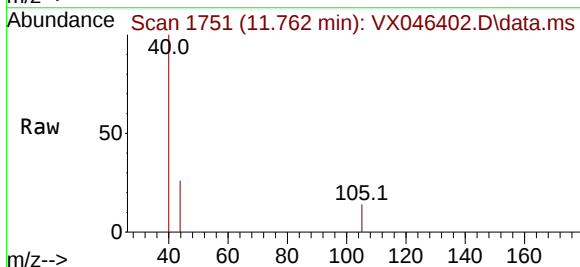
Instrument :
MSVOA_X
ClientSampleId :
IBLK

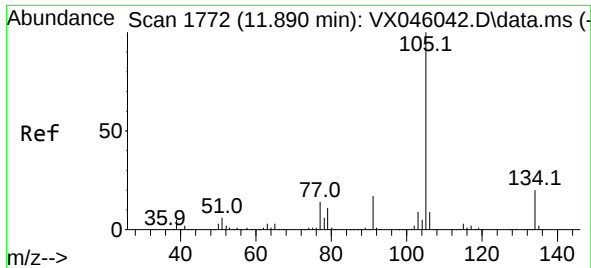
Tgt Ion: 91 Resp: 107
Ion Ratio Lower Upper
91 100
126 0.0 13.3 39.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.024 ug/l
RT: 11.762 min Scan# 1751
Delta R.T. 0.012 min
Lab File: VX046402.D
Acq: 29 May 2025 16:20

Tgt Ion: 105 Resp: 83
Ion Ratio Lower Upper
105 100
120 0.0 21.2 63.6#

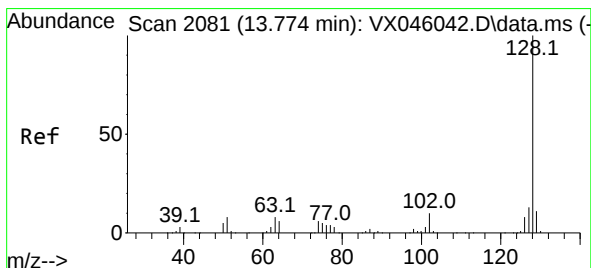
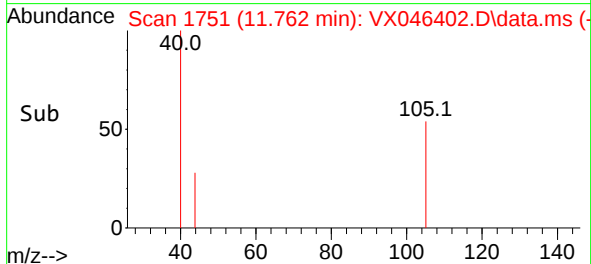
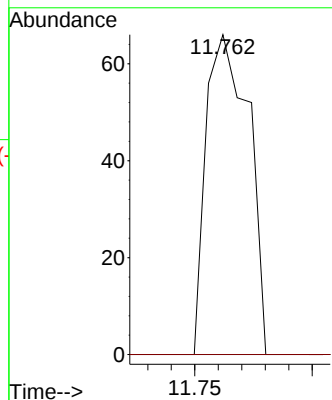
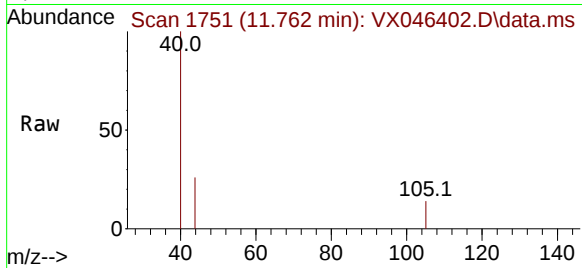




#85
sec-Butylbenzene
Concen: 0.019 ug/l
RT: 11.762 min Scan# 1751
Delta R.T. -0.128 min
Lab File: VX046402.D
Acq: 29 May 2025 16:20

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion:105 Resp: 83
Ion Ratio Lower Upper
105 100
134 0.0 9.7 29.1#



#95
Naphthalene
Concen: 0.037 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX046402.D
Acq: 29 May 2025 16:20

Tgt Ion:128 Resp: 138
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 13.0#

