

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
 Data File : VX046426.D
 Acq On : 30 May 2025 16:59
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: May 30 23:31:52 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)

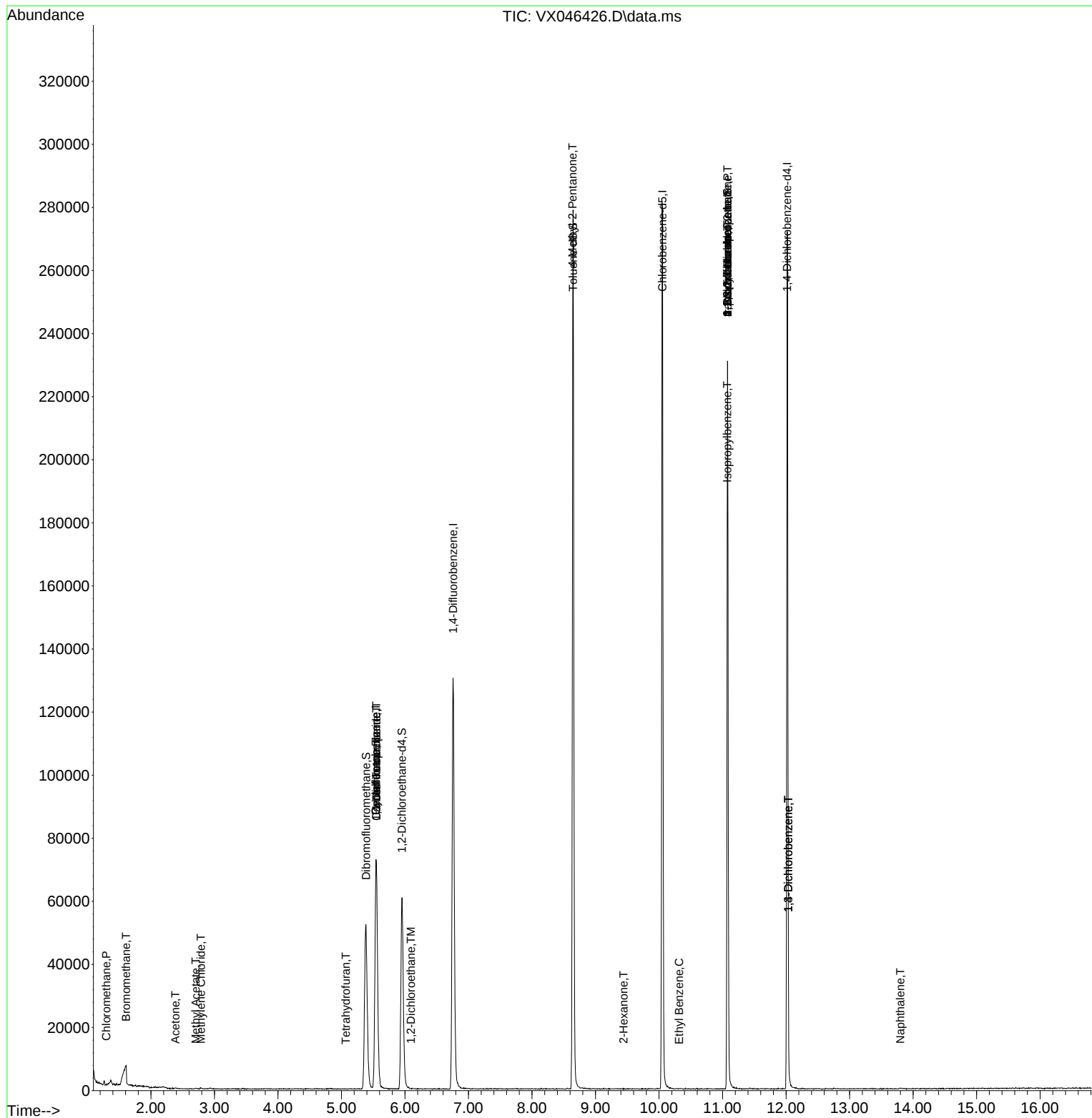
Internal Standards						
1) Pentafluorobenzene	5.544	168	62421	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	123636	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	117739	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50408	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62177	53.429	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.860%			
35) Dibromofluoromethane	5.385	113	45842	51.490	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.980%			
50) Toluene-d8	8.647	98	157576	51.136	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.280%			
62) 4-Bromofluorobenzene	11.079	95	59440	50.287	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.580%			
Target Compounds						Qvalue
3) Chloromethane	1.294	50	25	0.027	ug/l #	43
5) Bromomethane	1.605	94	74	0.185	ug/l #	4
16) Acetone	2.386	43	404	0.866	ug/l #	48
18) Methyl Acetate	2.703	43	405	0.374	ug/l #	68
20) Methylene Chloride	2.788	84	220	0.246	ug/l #	40
29) Tetrahydrofuran	5.068	42	19	0.045	ug/l #	35
31) Cyclohexane	5.544	56	1858	1.340	ug/l #	50
36) 1,1-Dichloropropene	5.550	75	6340	5.300	ug/l #	51
38) Carbon Tetrachloride	5.550	117	7270	5.409	ug/l #	17
42) 1,2-Dichloroethane	6.092	62	19	0.013	ug/l #	78
51) 4-Methyl-2-Pentanone	8.641	43	983	0.657	ug/l #	1
59) 2-Hexanone	9.439	43	19	0.017	ug/l #	28
67) Ethyl Benzene	10.317	91	57	0.013	ug/l #	45
73) Isopropylbenzene	11.073	105	86	0.022	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	11.079	83	72	0.052	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	34321	28.286	ug/l #	36
78) n-propylbenzene	11.079	91	283	0.062	ug/l #	54
79) 2-Chlorotoluene	11.079	91	188	0.064	ug/l #	44
81) trans-1,4-Dichloro-2-b...	11.079	75	34321	92.091	ug/l #	1
87) 1,3-Dichlorobenzene	12.036	146	93	0.056	ug/l #	1
88) 1,4-Dichlorobenzene	12.036	146	93	0.055	ug/l #	1
95) Naphthalene	13.798	128	460	0.131	ug/l #	69

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

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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

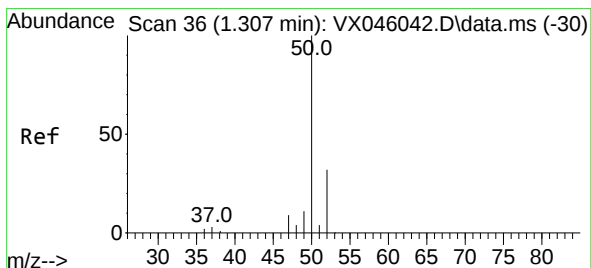
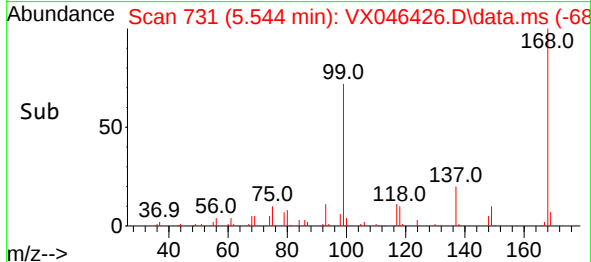
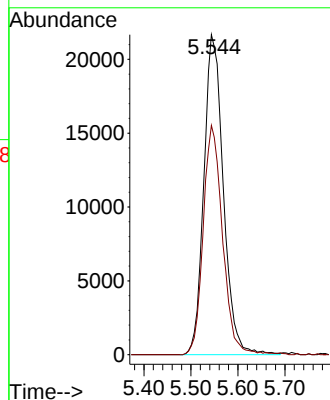
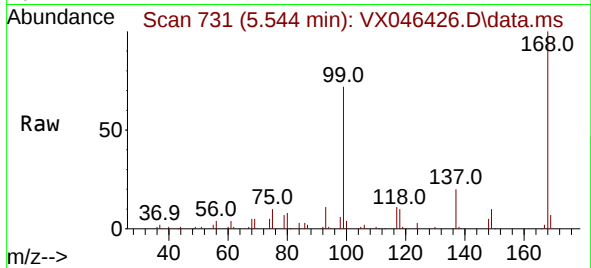




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046426.D
Acq: 30 May 2025 16:59

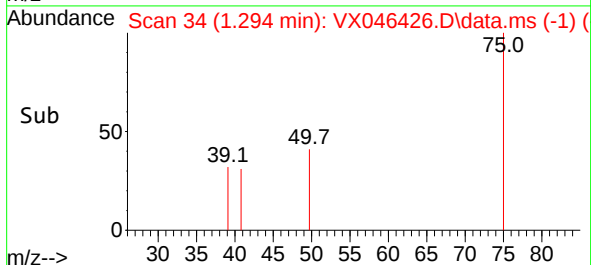
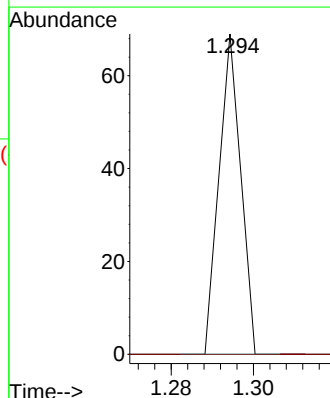
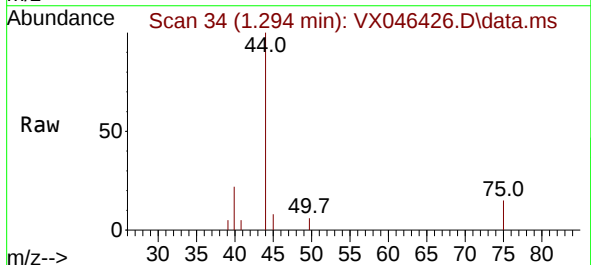
Instrument : MSVOA_X
ClientSampleId : IBLK

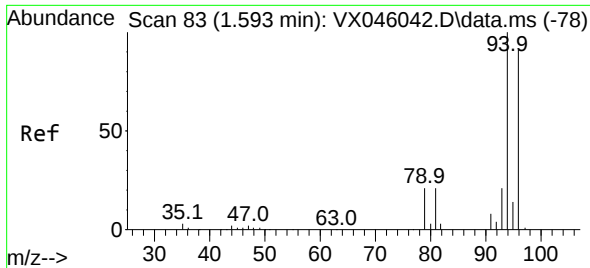
Tgt Ion:168 Resp: 62421
Ion Ratio Lower Upper
168 100
99 71.7 54.9 82.3



#3
Chloromethane
Concen: 0.027 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX046426.D
Acq: 30 May 2025 16:59

Tgt Ion: 50 Resp: 25
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

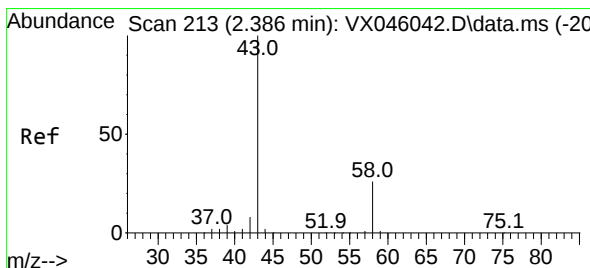
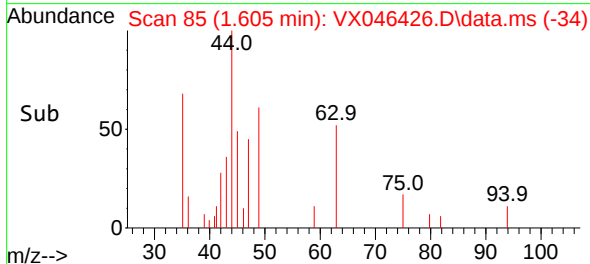
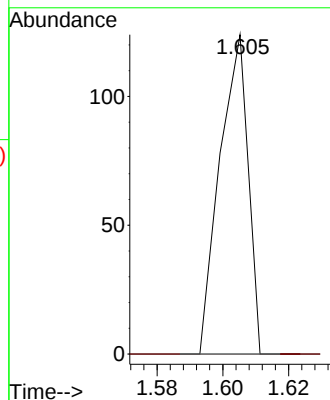
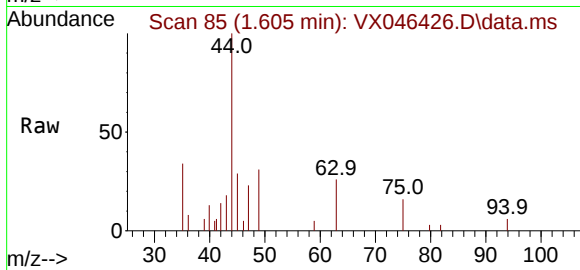




#5
Bromomethane
Concen: 0.185 ug/l
RT: 1.605 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX046426.D
Acq: 30 May 2025 16:59

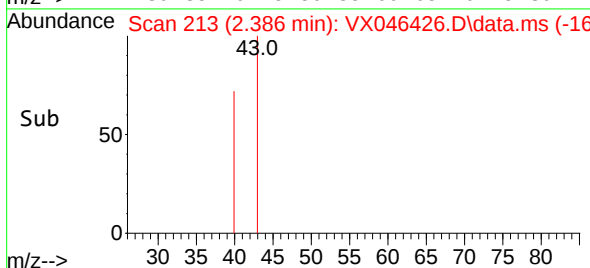
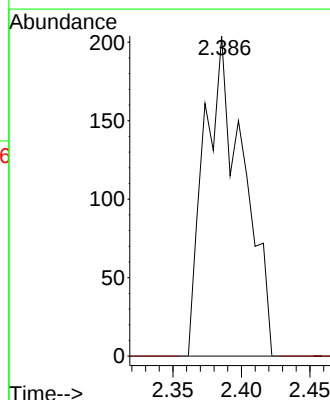
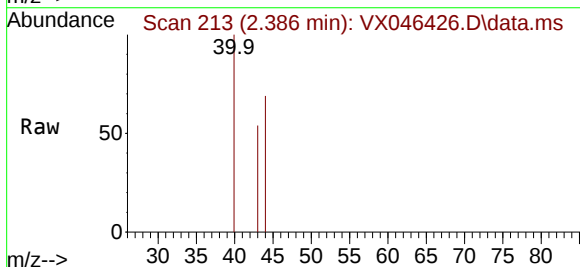
Instrument :
MSVOA_X
ClientSampleId :
IBLK

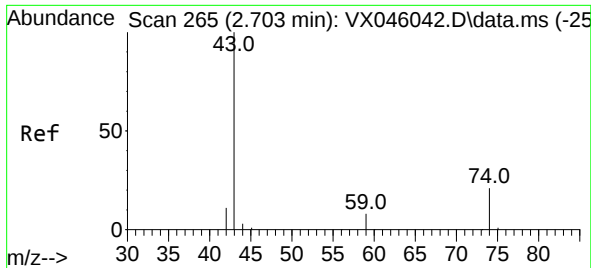
Tgt Ion: 94 Resp: 74
Ion Ratio Lower Upper
94 100
96 0.0 72.8 109.2#



#16
Acetone
Concen: 0.866 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046426.D
Acq: 30 May 2025 16:59

Tgt Ion: 43 Resp: 404
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#

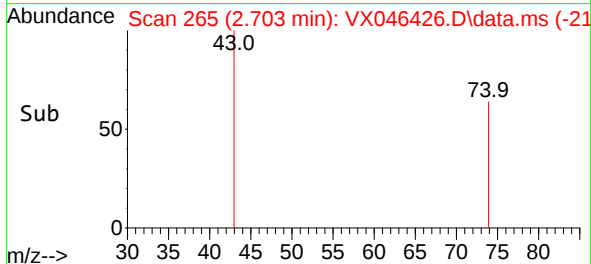
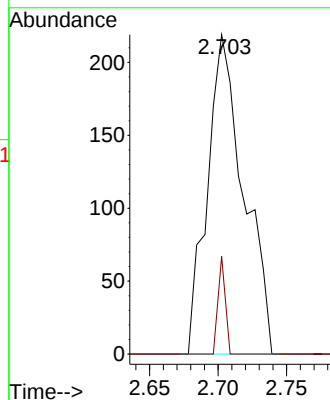
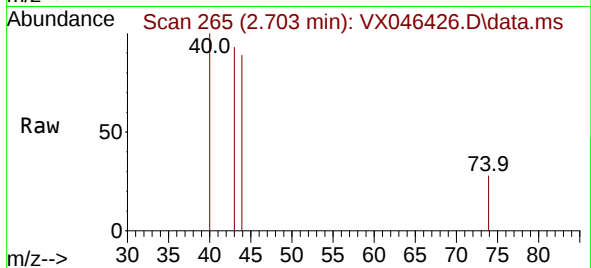




#18
Methyl Acetate
Concen: 0.374 ug/l
RT: 2.703 min Scan# 210
Delta R.T. -0.000 min
Lab File: VX046426.D
Acq: 30 May 2025 16:59

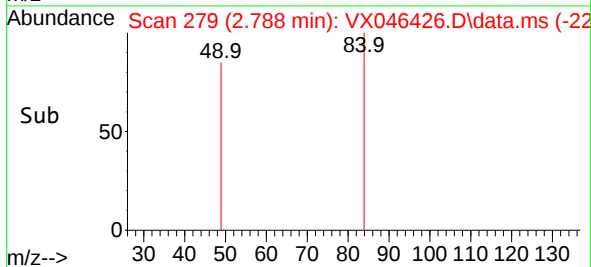
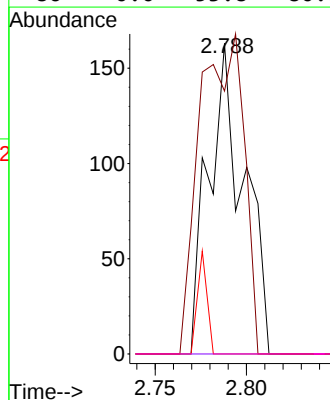
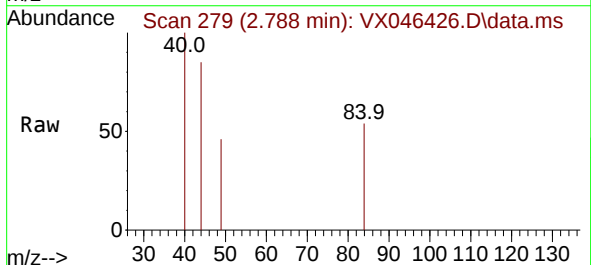
Instrument :
MSVOA_X
ClientSampleId :
IBLK

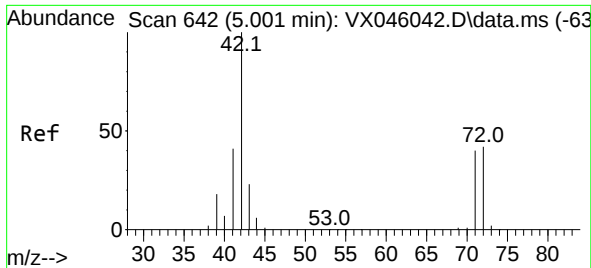
Tgt Ion: 43 Resp: 405
Ion Ratio Lower Upper
43 100
74 6.2 16.7 25.1#



#20
Methylene Chloride
Concen: 0.246 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX046426.D
Acq: 30 May 2025 16:59

Tgt Ion: 84 Resp: 220
Ion Ratio Lower Upper
84 100
49 84.7 113.9 170.9#
51 0.0 33.5 50.3#
86 0.0 53.8 80.8#

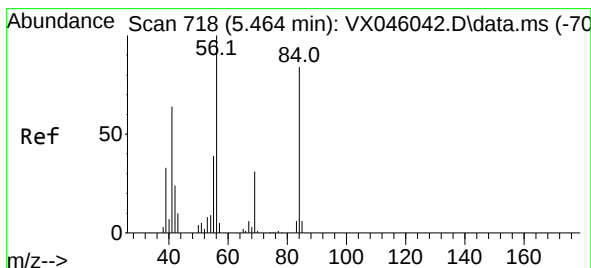
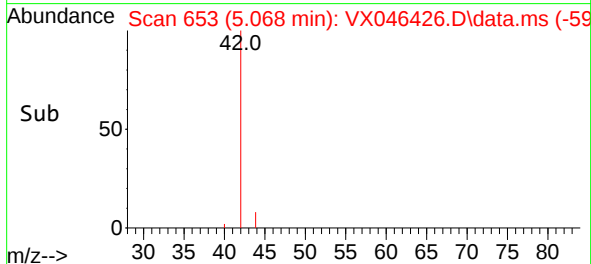
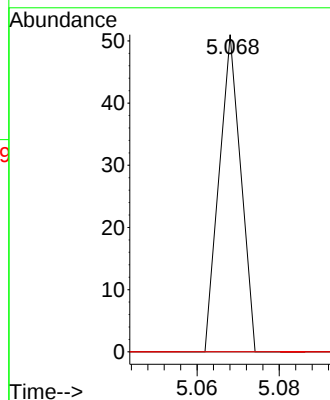
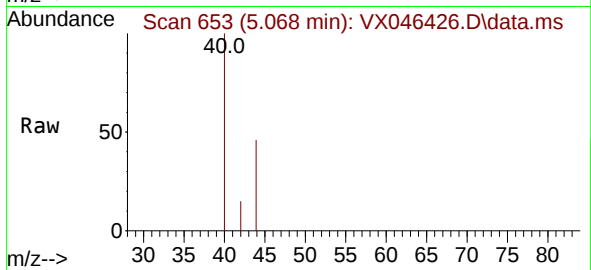




#29
Tetrahydrofuran
Concen: 0.045 ug/l
RT: 5.068 min Scan# 61
Delta R.T. 0.067 min
Lab File: VX046426.D
Acq: 30 May 2025 16:59

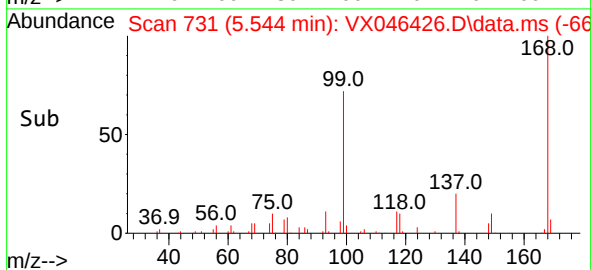
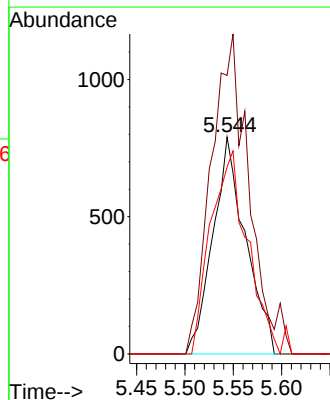
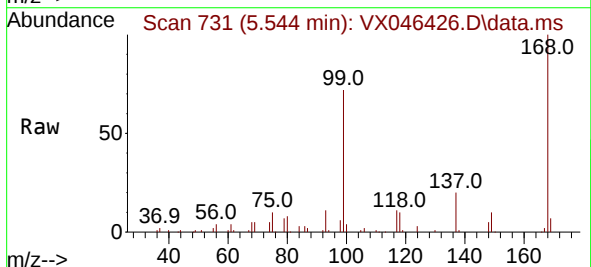
Instrument :
MSVOA_X
ClientSampleId :
IBLK

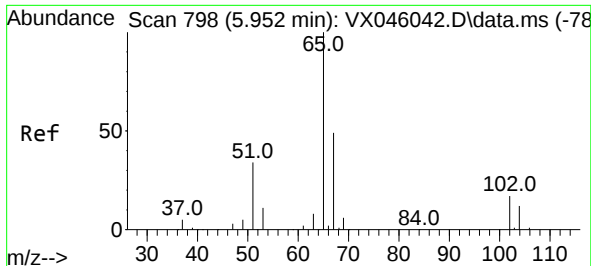
Tgt Ion: 42 Resp: 19
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 31.4 47.2#



#31
Cyclohexane
Concen: 1.340 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX046426.D
Acq: 30 May 2025 16:59

Tgt Ion: 56 Resp: 1858
Ion Ratio Lower Upper
56 100
69 128.5 24.4 36.6#
84 86.2 66.9 100.3

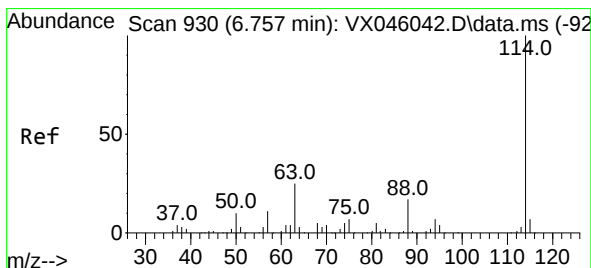
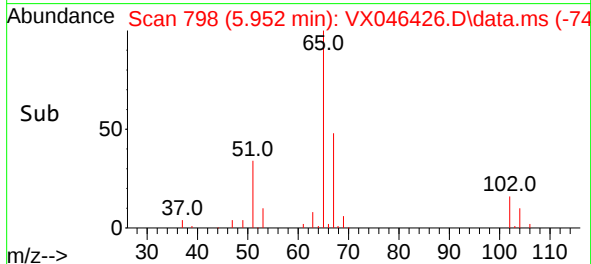
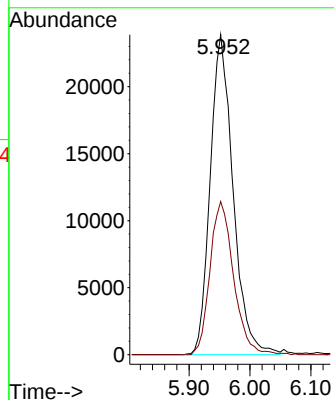
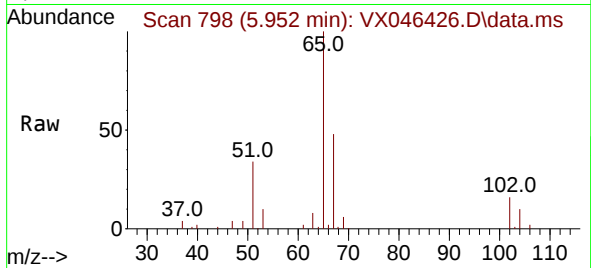




#33
 1,2-Dichloroethane-d4
 Concen: 53.429 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX046426.D
 Acq: 30 May 2025 16:59

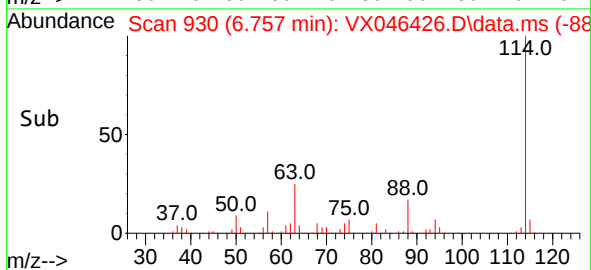
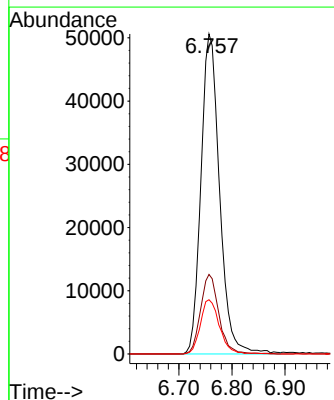
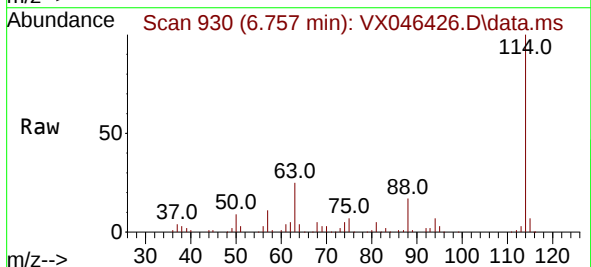
Instrument :
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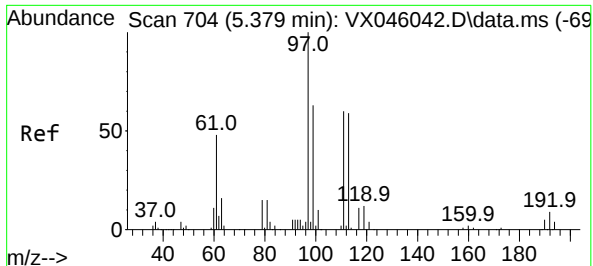
Tgt Ion: 65 Resp: 62177
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX046426.D
 Acq: 30 May 2025 16:59

Tgt Ion: 114 Resp: 123636
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 49.2
 88 17.0 0.0 33.6

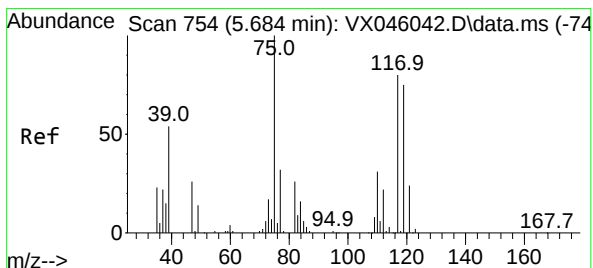
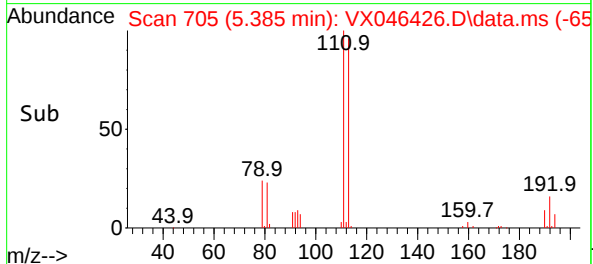
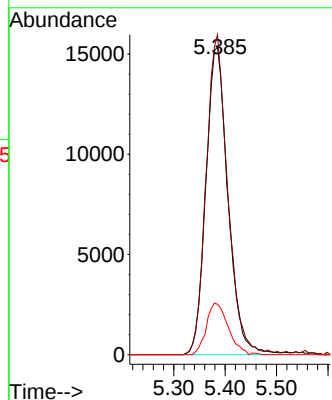
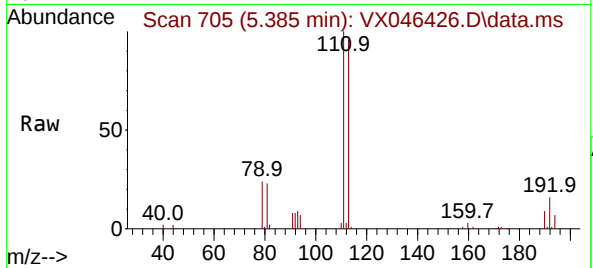




#35
Dibromofluoromethane
Concen: 51.490 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046426.D
Acq: 30 May 2025 16:59

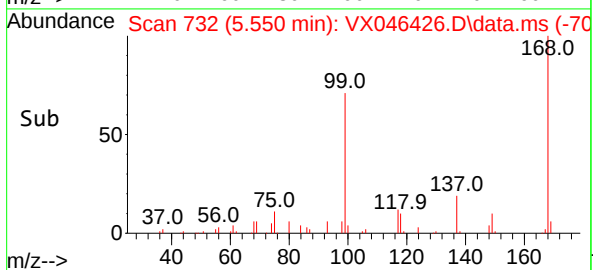
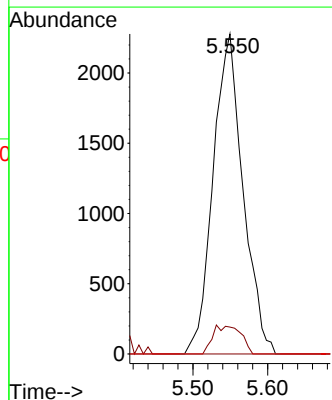
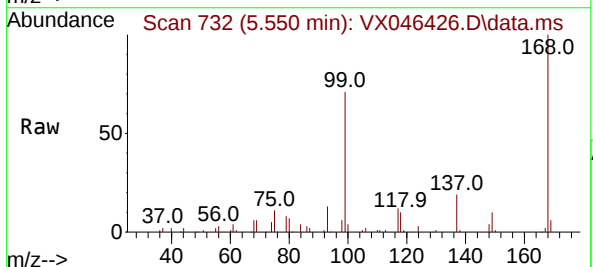
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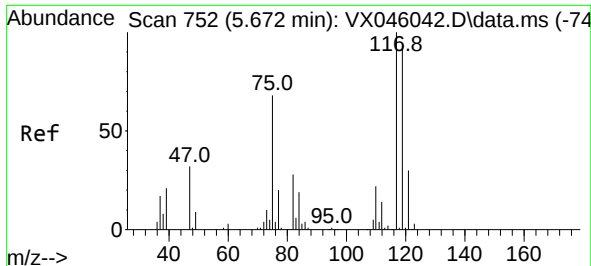
Tgt Ion:113 Resp: 45842
Ion Ratio Lower Upper
113 100
111 101.6 83.1 124.7
192 16.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.300 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX046426.D
Acq: 30 May 2025 16:59

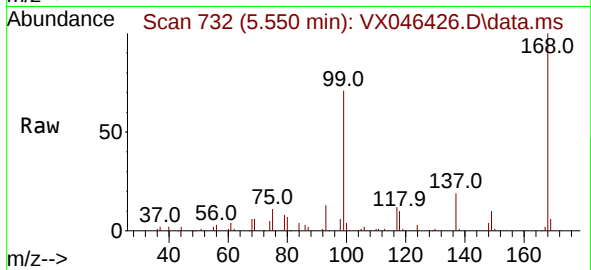
Tgt Ion: 75 Resp: 6340
Ion Ratio Lower Upper
75 100
110 8.3 16.3 48.9#
77 0.0 24.3 36.5#



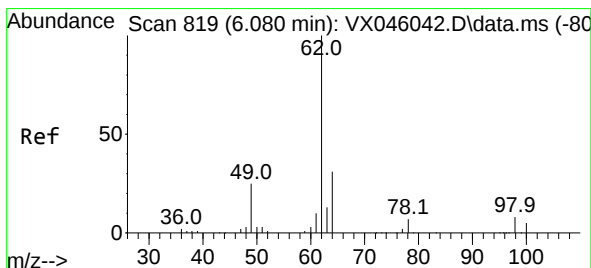
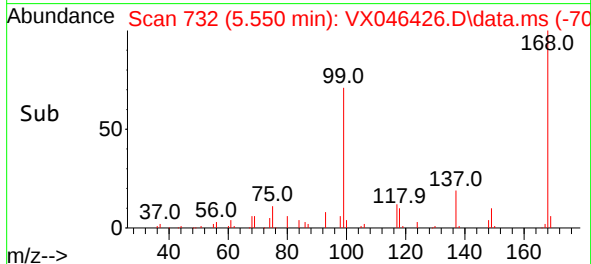
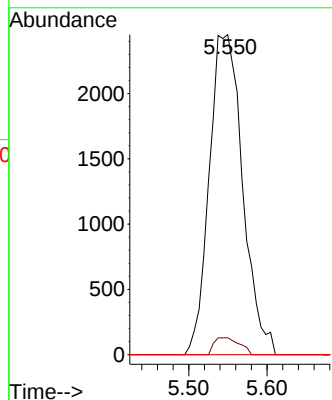


#38
Carbon Tetrachloride
Concen: 5.409 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX046426.D
Acq: 30 May 2025 16:59

Instrument :
MSVOA_X
ClientSampleId :
IBLK

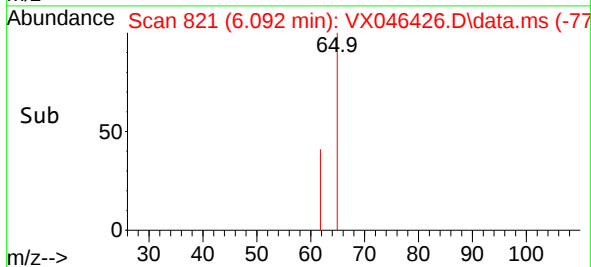
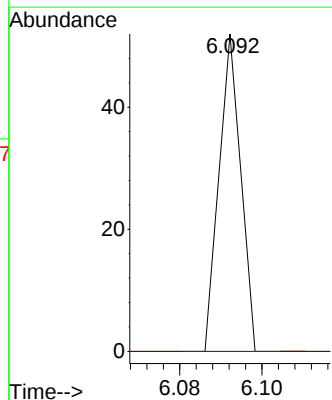
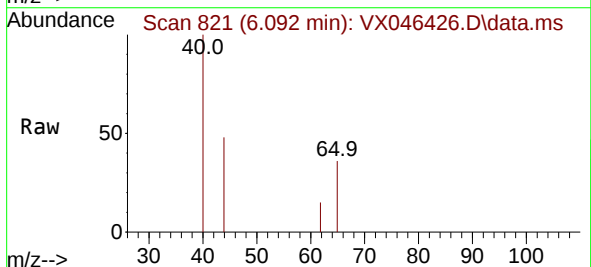


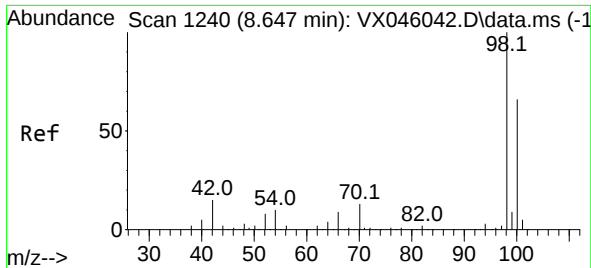
Tgt Ion:117 Resp: 7270
Ion Ratio Lower Upper
117 100
119 5.3 75.2 112.8#
121 0.0 24.2 36.4#



#42
1,2-Dichloroethane
Concen: 0.013 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX046426.D
Acq: 30 May 2025 16:59

Tgt Ion: 62 Resp: 19
Ion Ratio Lower Upper
62 100
98 0.0 0.0 15.2

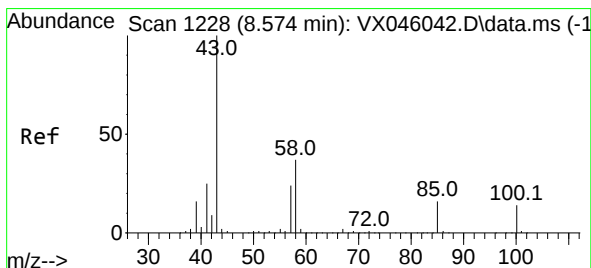
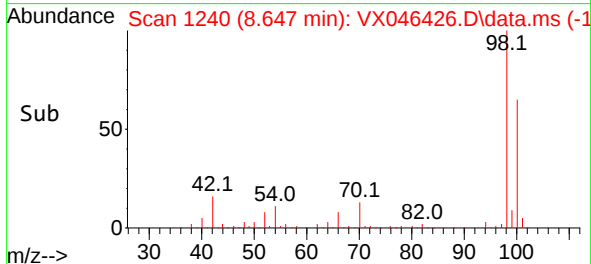
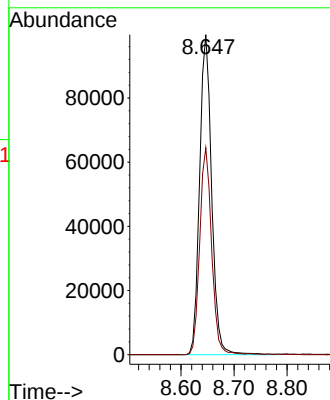
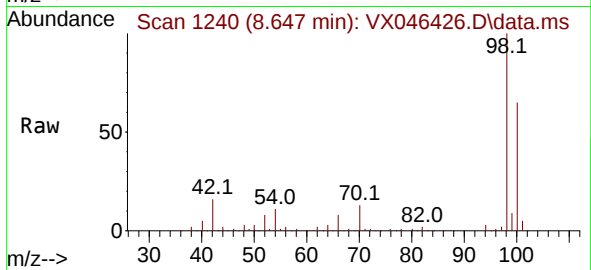




#50
Toluene-d8
Concen: 51.136 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046426.D
Acq: 30 May 2025 16:59

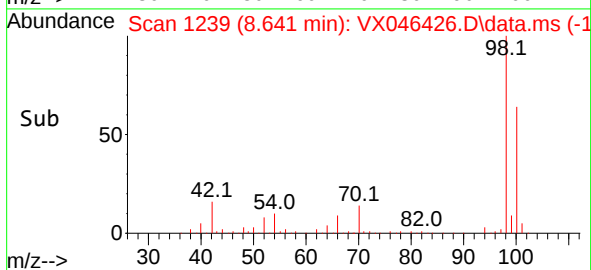
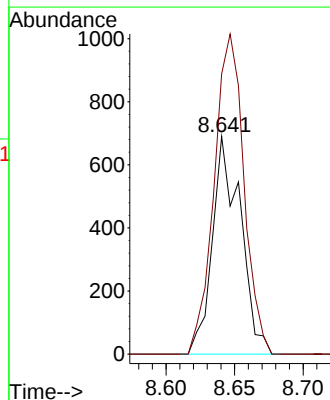
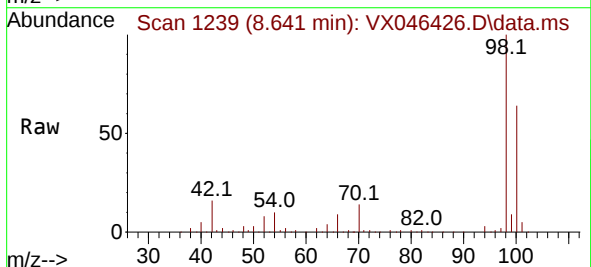
Instrument :
MSVOA_X
ClientSampleId :
IBLK

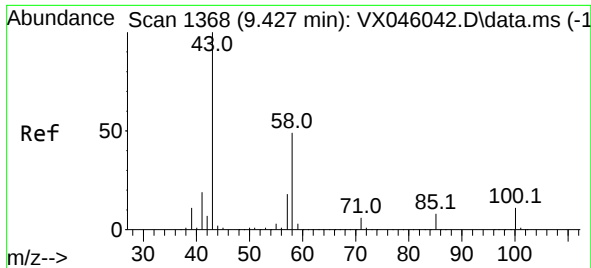
Tgt Ion: 98 Resp: 157576
Ion Ratio Lower Upper
98 100
100 63.7 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 0.657 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX046426.D
Acq: 30 May 2025 16:59

Tgt Ion: 43 Resp: 983
Ion Ratio Lower Upper
43 100
58 156.0 28.9 43.3#

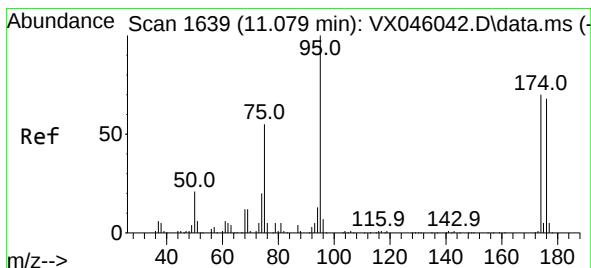
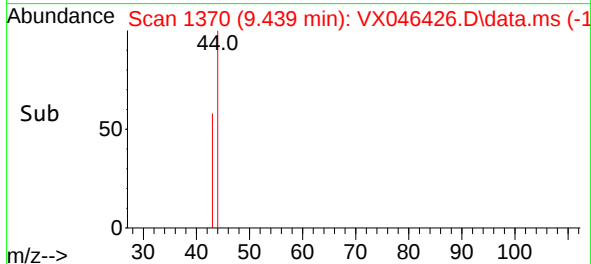
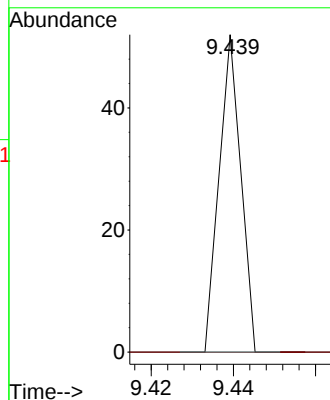
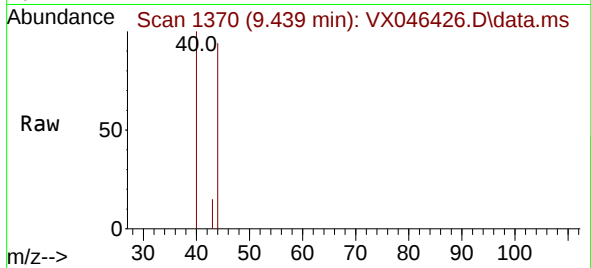




#59
2-Hexanone
Concen: 0.017 ug/l
RT: 9.439 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX046426.D
Acq: 30 May 2025 16:59

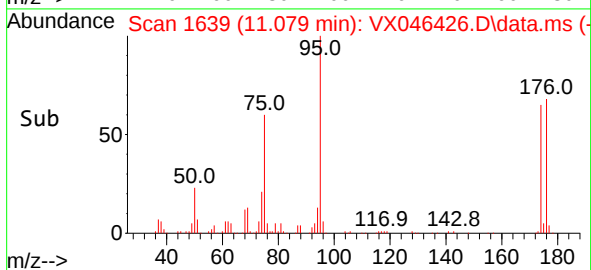
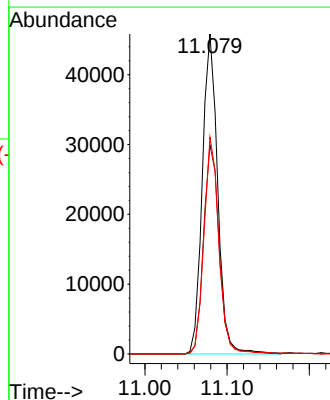
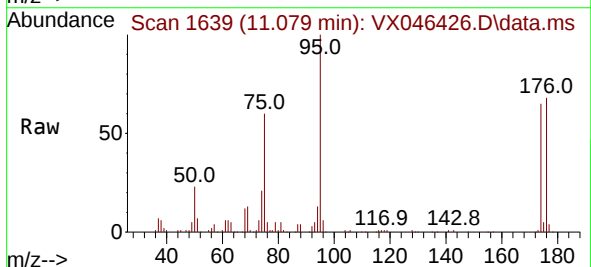
Instrument :
MSVOA_X
ClientSampleId :
IBLK

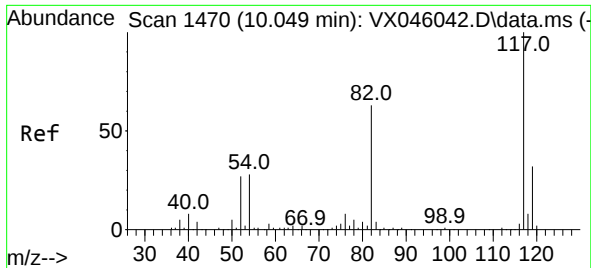
Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 50.287 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046426.D
Acq: 30 May 2025 16:59

Tgt Ion: 95 Resp: 59440
Ion Ratio Lower Upper
95 100
174 66.4 0.0 135.8
176 66.0 0.0 131.4

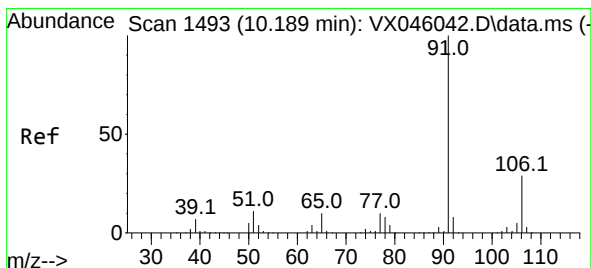
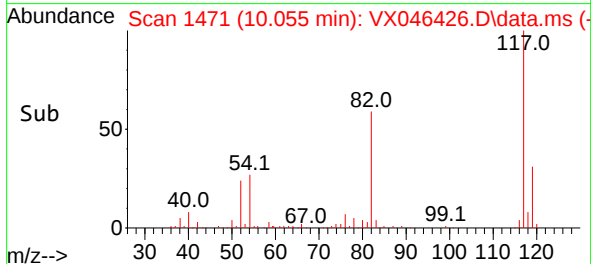
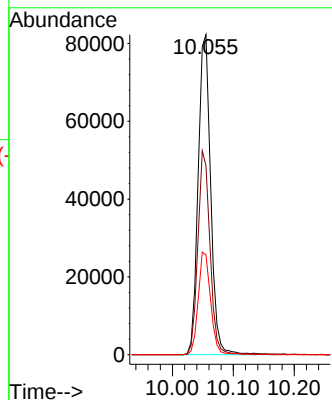
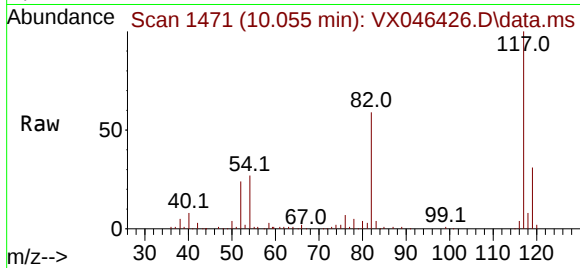




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX046426.D
Acq: 30 May 2025 16:59

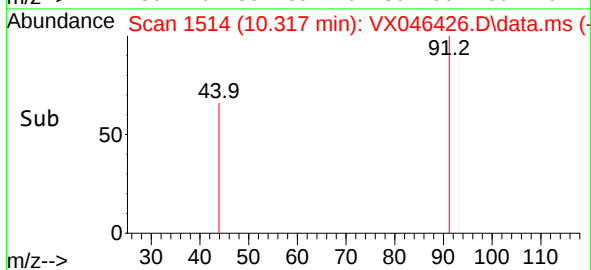
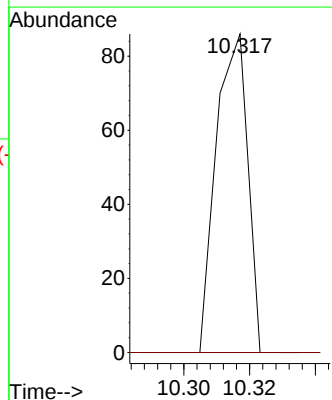
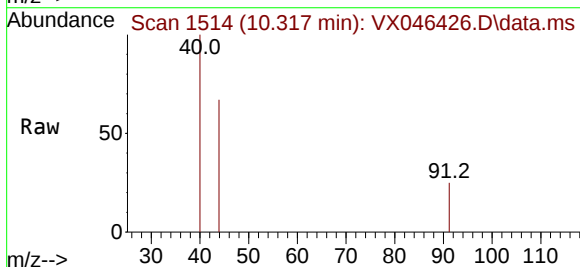
Instrument :
MSVOA_X
ClientSampleId :
IBLK

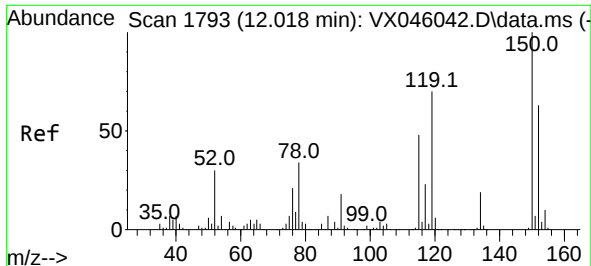
Tgt Ion:117 Resp: 117739
Ion Ratio Lower Upper
117 100
82 59.1 50.6 76.0
119 31.2 25.8 38.6



#67
Ethyl Benzene
Concen: 0.013 ug/l
RT: 10.317 min Scan# 1514
Delta R.T. 0.128 min
Lab File: VX046426.D
Acq: 30 May 2025 16:59

Tgt Ion: 91 Resp: 57
Ion Ratio Lower Upper
91 100
106 0.0 23.4 35.2#

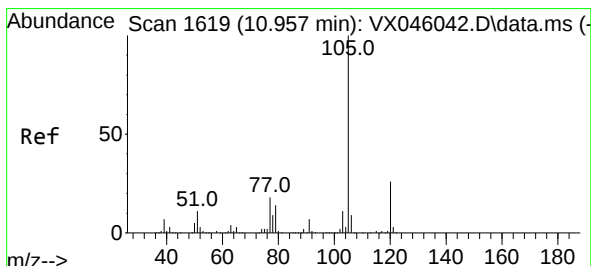
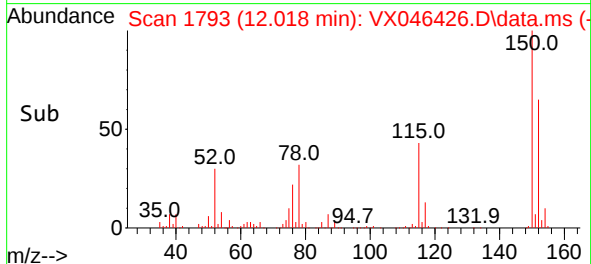
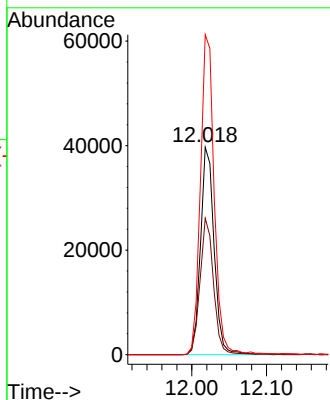
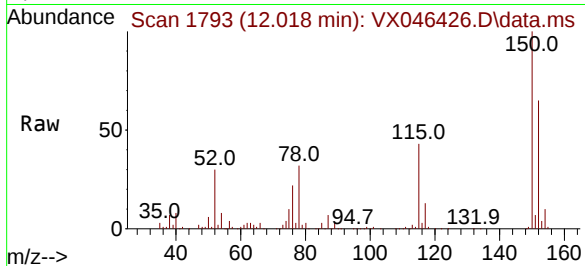




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046426.D
Acq: 30 May 2025 16:59

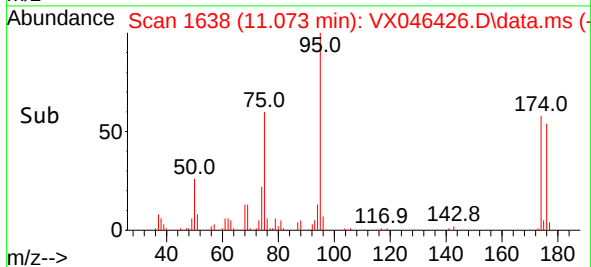
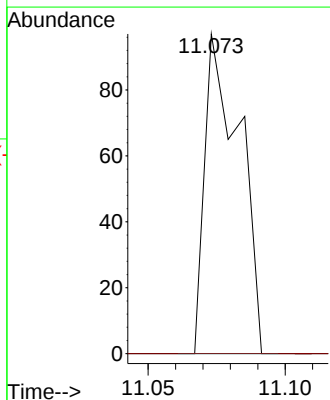
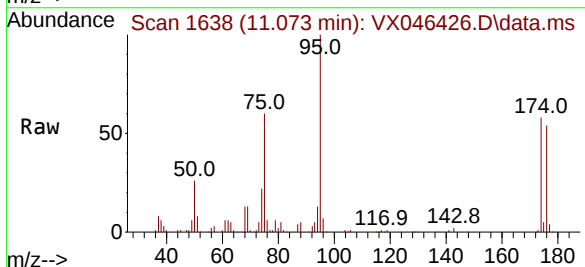
Instrument :
MSVOA_X
ClientSampleId :
IBLK

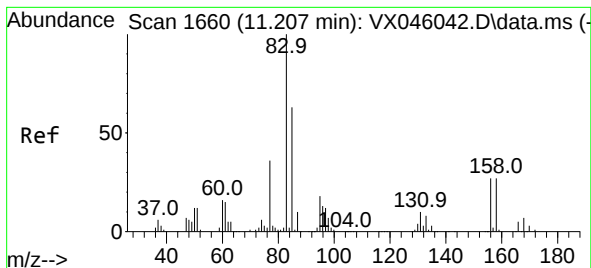
Tgt Ion:152 Resp: 50408
Ion Ratio Lower Upper
152 100
115 65.1 46.9 140.7
150 156.1 0.0 351.0



#73
Isopropylbenzene
Concen: 0.022 ug/l
RT: 11.073 min Scan# 1638
Delta R.T. 0.116 min
Lab File: VX046426.D
Acq: 30 May 2025 16:59

Tgt Ion:105 Resp: 86
Ion Ratio Lower Upper
105 100
120 0.0 12.8 38.4#

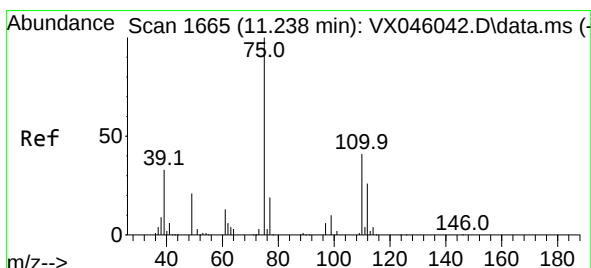
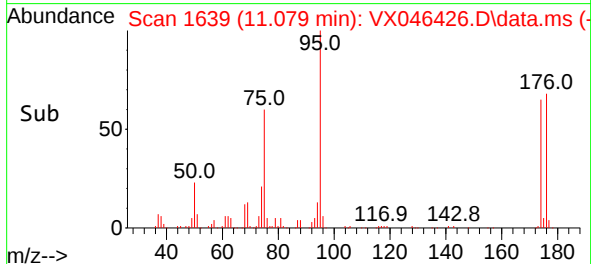
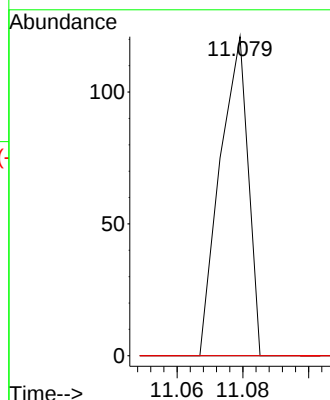
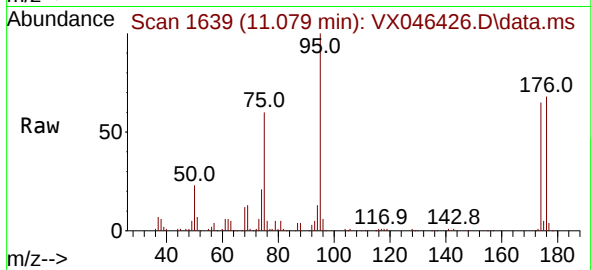




#75
1,1,2,2-Tetrachloroethane
Concen: 0.052 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.128 min
Lab File: VX046426.D
Acq: 30 May 2025 16:59

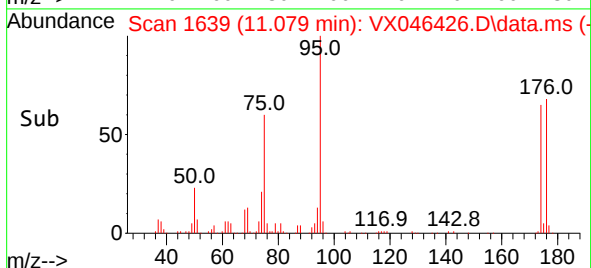
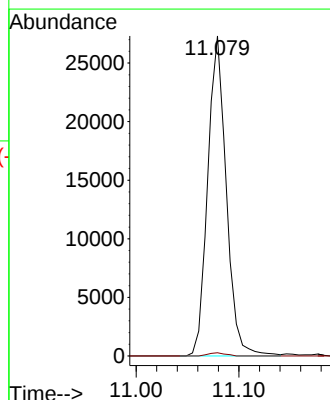
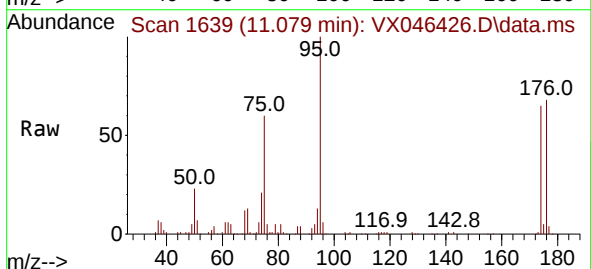
Instrument :
MSVOA_X
ClientSampleId :
IBLK

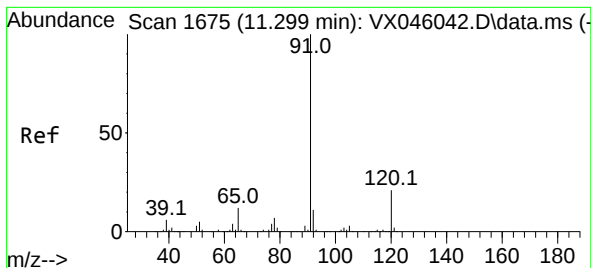
Tgt Ion: 83 Resp: 72
Ion Ratio Lower Upper
83 100
131 0.0 5.0 14.9#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 28.286 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046426.D
Acq: 30 May 2025 16:59

Tgt Ion: 75 Resp: 34321
Ion Ratio Lower Upper
75 100
77 0.9 20.5 61.5#





#78

n-propylbenzene

Concen: 0.062 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.220 min

Lab File: VX046426.D

Acq: 30 May 2025 16:59

Instrument :

MSVOA_X

ClientSampleId :

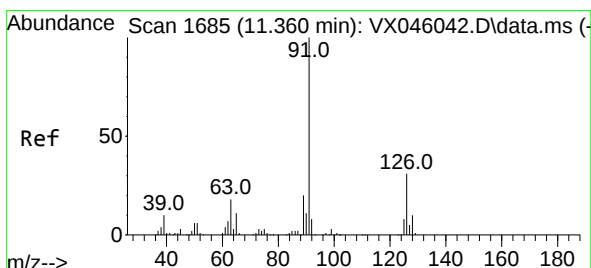
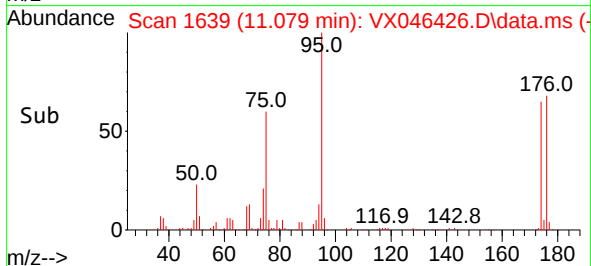
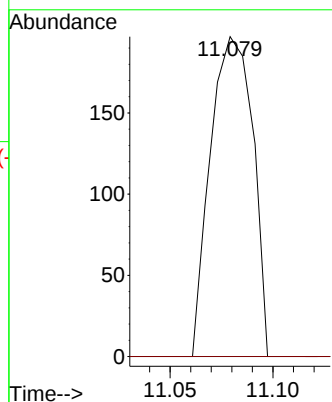
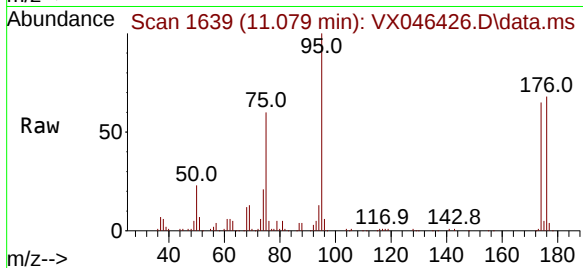
IBLK

Tgt Ion: 91 Resp: 283

Ion Ratio Lower Upper

91 100

120 0.0 10.8 32.4#



#79

2-Chlorotoluene

Concen: 0.064 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.281 min

Lab File: VX046426.D

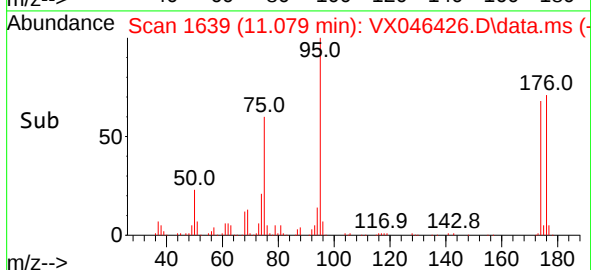
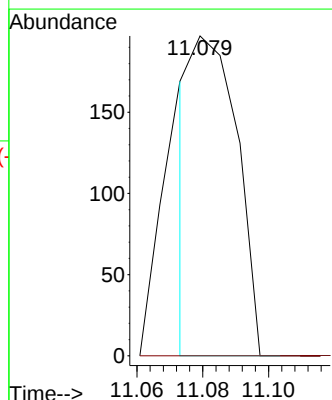
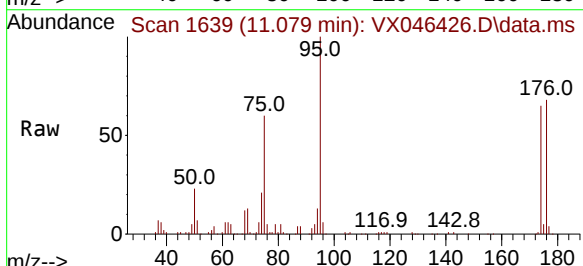
Acq: 30 May 2025 16:59

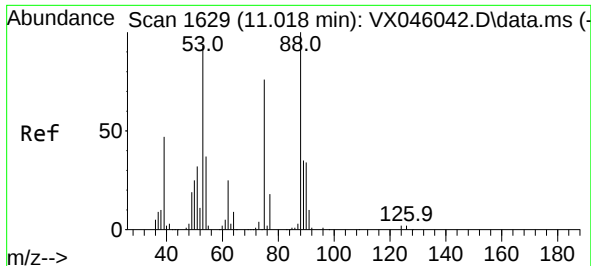
Tgt Ion: 91 Resp: 188

Ion Ratio Lower Upper

91 100

126 0.0 15.6 46.7#

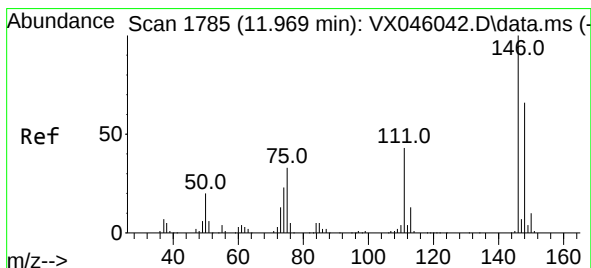
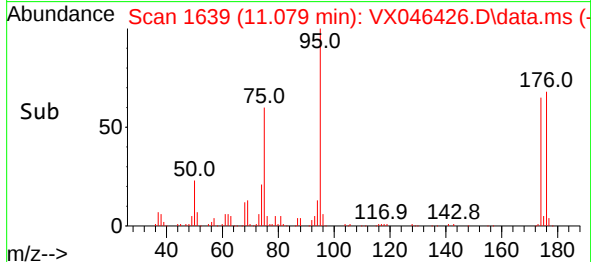
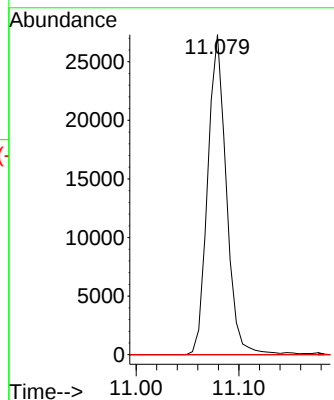
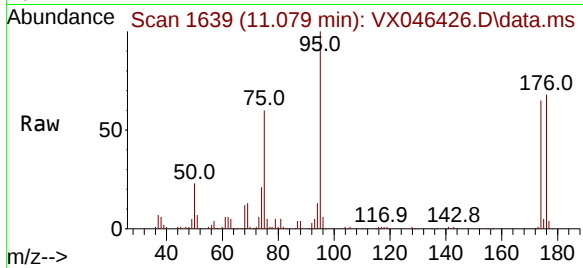




#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.091 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046426.D
 Acq: 30 May 2025 16:59

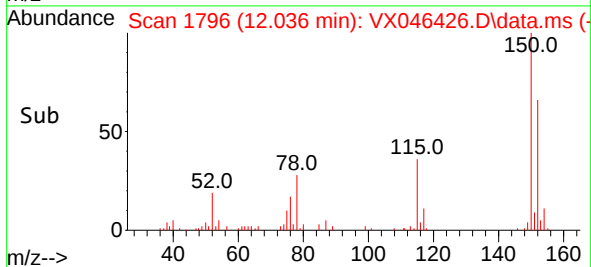
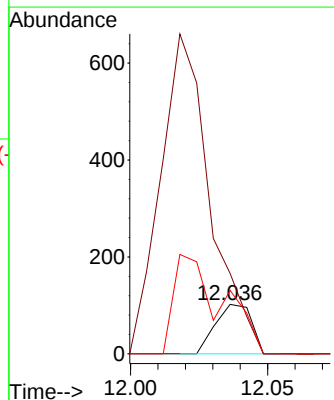
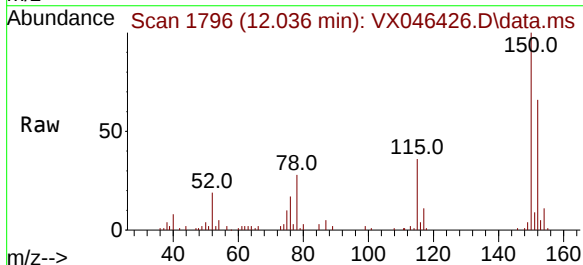
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

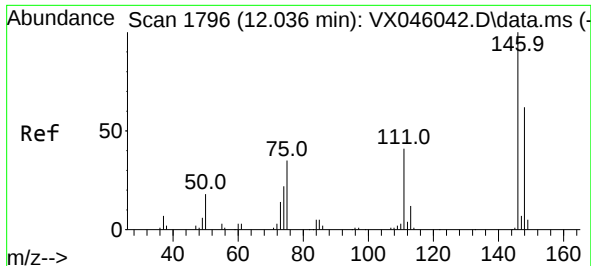
Tgt Ion: 75 Resp: 34321
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#



#87
 1,3-Dichlorobenzene
 Concen: 0.056 ug/l
 RT: 12.036 min Scan# 1796
 Delta R.T. 0.067 min
 Lab File: VX046426.D
 Acq: 30 May 2025 16:59

Tgt Ion: 146 Resp: 93
 Ion Ratio Lower Upper
 146 100
 111 893.5 22.1 66.3#
 148 266.7 32.1 96.5#

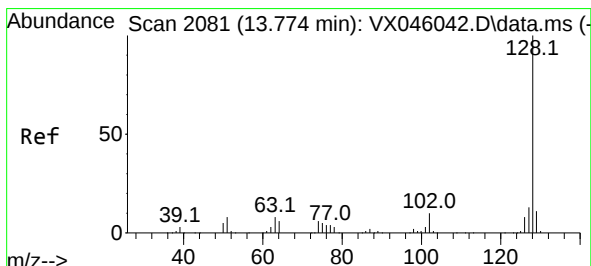
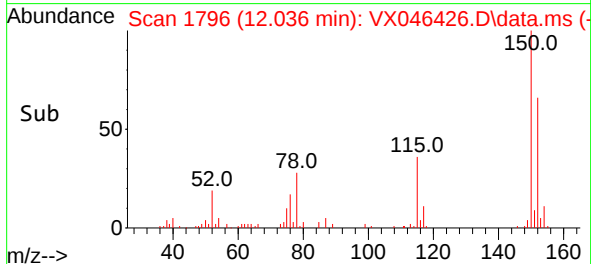
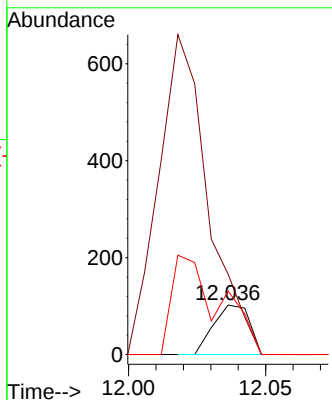
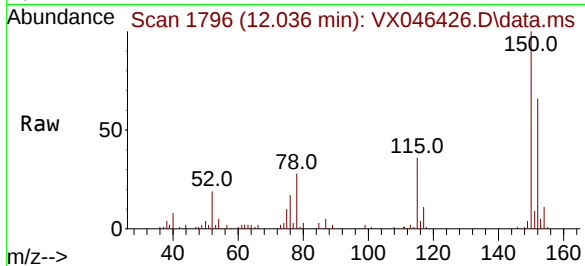




#88
1,4-Dichlorobenzene
Concen: 0.055 ug/l
RT: 12.036 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046426.D
Acq: 30 May 2025 16:59

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion:146 Resp: 93
Ion Ratio Lower Upper
146 100
111 893.5 21.3 63.9#
148 266.7 31.9 95.5#



#95
Naphthalene
Concen: 0.131 ug/l
RT: 13.798 min Scan# 2085
Delta R.T. 0.024 min
Lab File: VX046426.D
Acq: 30 May 2025 16:59

Tgt Ion:128 Resp: 460
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 13.0#

