

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
 Data File : VX046769.D
 Acq On : 19 Jun 2025 13:57
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jun 20 05:20:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

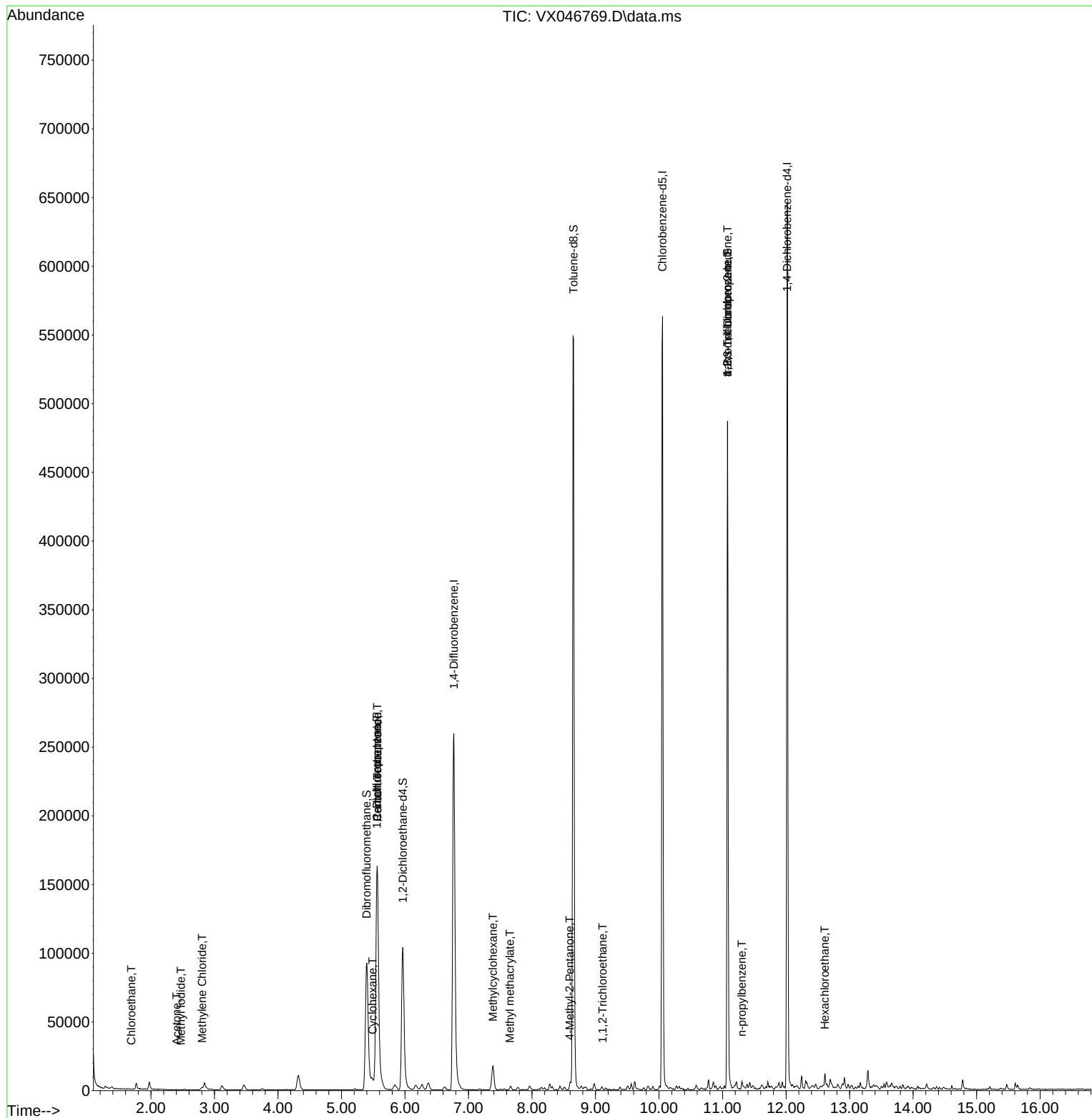
Internal Standards						
1) Pentafluorobenzene	5.562	168	170391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	287341	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	261585	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	126696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	109480	46.453	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.900%
35) Dibromofluoromethane	5.397	113	90683	47.699	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.400%
50) Toluene-d8	8.653	98	343599	50.305	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.600%
62) 4-Bromofluorobenzene	11.079	95	129390	50.819	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.640%
Target Compounds						
					Qvalue	
6) Chloroethane	1.691	64	417	0.329	ug/l #	41
10) Methyl Iodide	2.471	142	138	4.385	ug/l #	38
16) Acetone	2.404	43	364	0.463	ug/l #	44
20) Methylene Chloride	2.806	84	445	0.204	ug/l #	78
31) Cyclohexane	5.489	56	4427	1.254	ug/l	90
36) 1,1-Dichloropropene	5.556	75	13458	4.904	ug/l #	50
38) Carbon Tetrachloride	5.562	117	16984	5.703	ug/l #	17
39) Methylcyclohexane	7.385	83	8169	2.262	ug/l	97
48) Methyl methacrylate	7.653	41	692	0.348	ug/l #	55
51) 4-Methyl-2-Pentanone	8.592	43	514	0.217	ug/l #	37
55) 1,1,2-Trichloroethane	9.110	97	838	0.447	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	66045	28.462	ug/l #	40
78) n-propylbenzene	11.305	91	4212	0.380	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	66045	80.450	ug/l #	7
90) Hexachloroethane	12.610	117	515	0.348	ug/l #	15

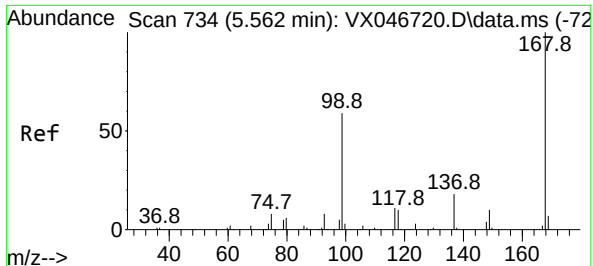
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
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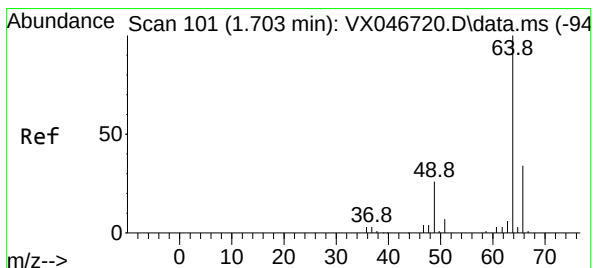
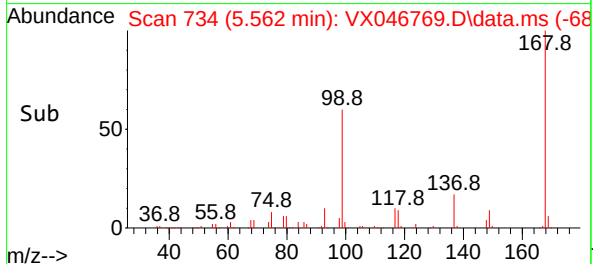
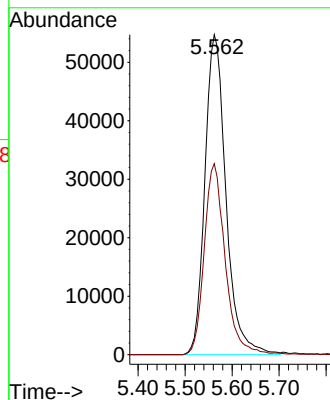
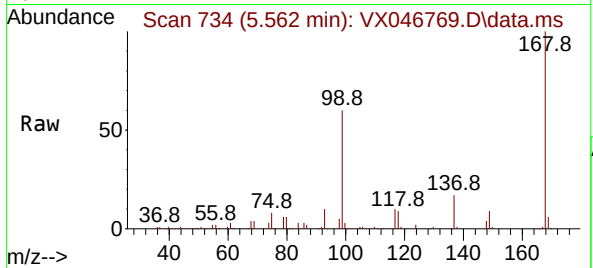




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046769.D
Acq: 19 Jun 2025 13:57

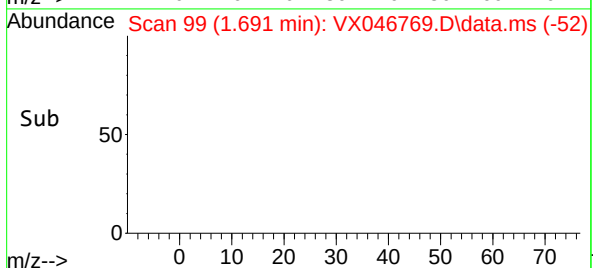
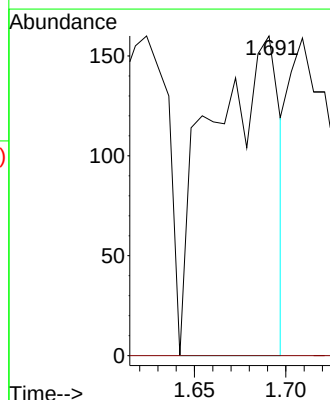
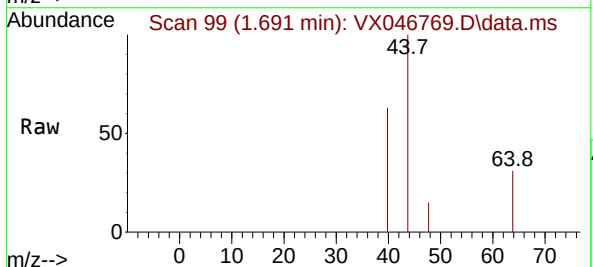
Instrument :
MSVOA_X
ClientSampleId :
IBLK

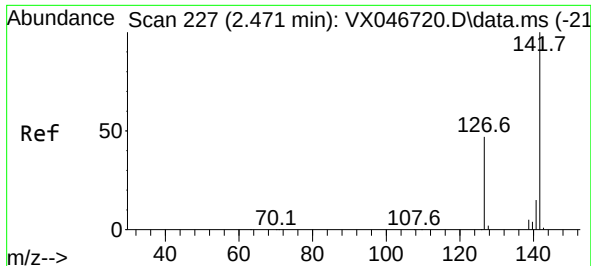
Tgt Ion:168 Resp: 170391
Ion Ratio Lower Upper
168 100
99 59.7 48.5 72.7



#6
Chloroethane
Concen: 0.329 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.012 min
Lab File: VX046769.D
Acq: 19 Jun 2025 13:57

Tgt Ion: 64 Resp: 417
Ion Ratio Lower Upper
64 100
66 0.0 27.1 40.7#

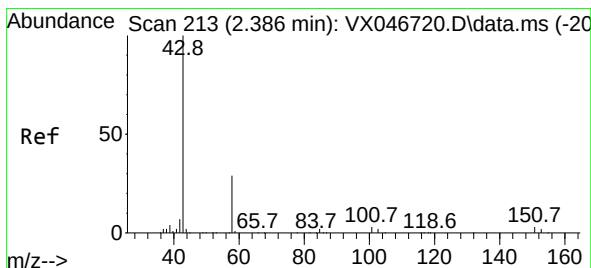
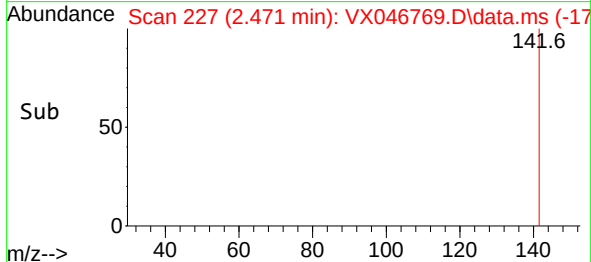
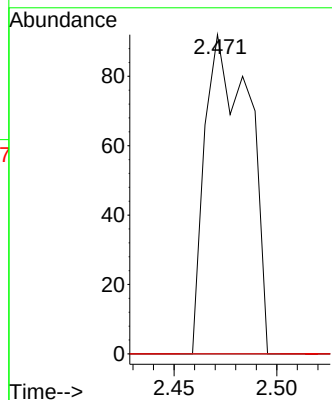
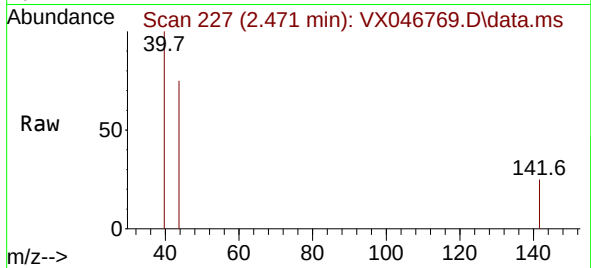




#10
Methyl Iodide
Concen: 4.385 ug/l
RT: 2.471 min Scan# 216
Delta R.T. 0.000 min
Lab File: VX046769.D
Acq: 19 Jun 2025 13:57

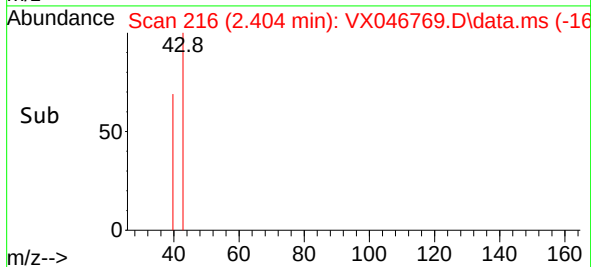
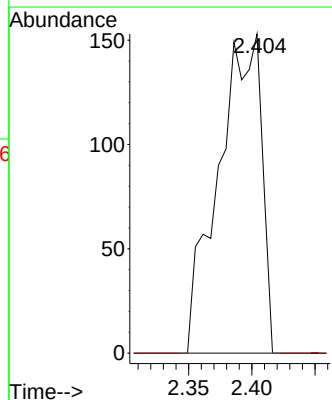
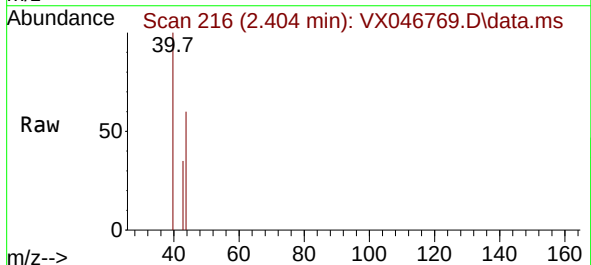
Instrument :
MSVOA_X
ClientSampleId :
IBLK

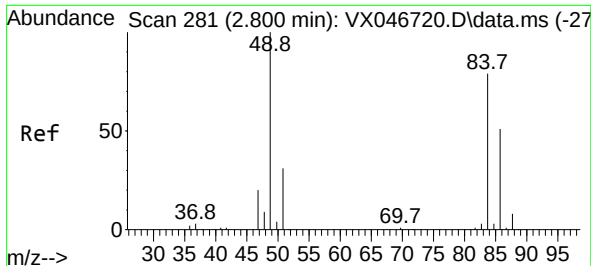
Tgt Ion:142 Resp: 138
Ion Ratio Lower Upper
142 100
127 0.0 37.0 55.6#
141 0.0 11.5 17.3#



#16
Acetone
Concen: 0.463 ug/l
RT: 2.404 min Scan# 216
Delta R.T. 0.018 min
Lab File: VX046769.D
Acq: 19 Jun 2025 13:57

Tgt Ion: 43 Resp: 364
Ion Ratio Lower Upper
43 100
58 0.0 24.5 36.7#



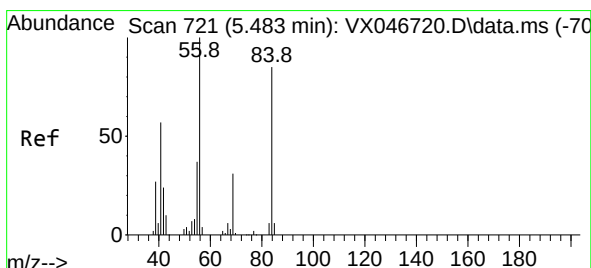
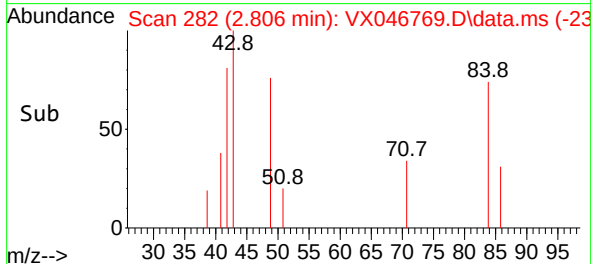
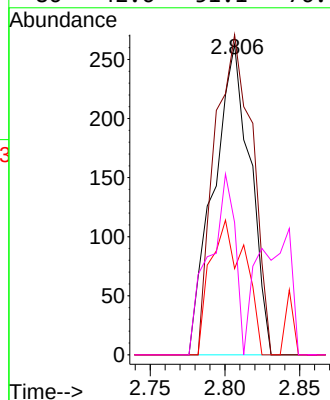
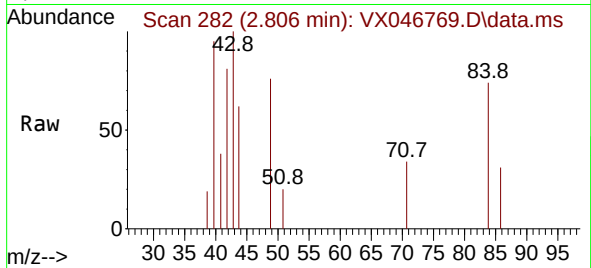


#20
Methylene Chloride
Concen: 0.204 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046769.D
Acq: 19 Jun 2025 13:57

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 84 Resp: 445

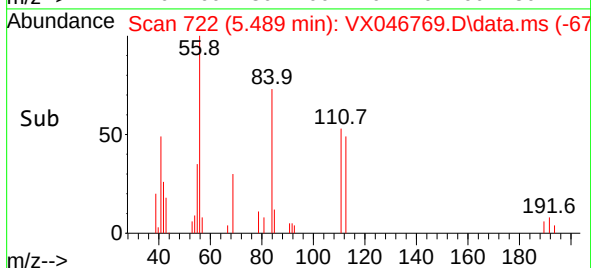
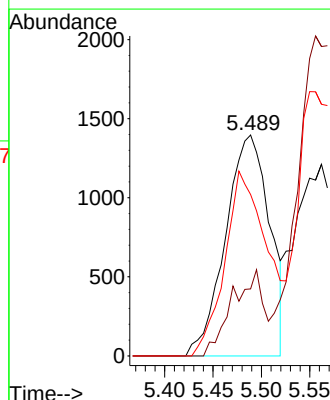
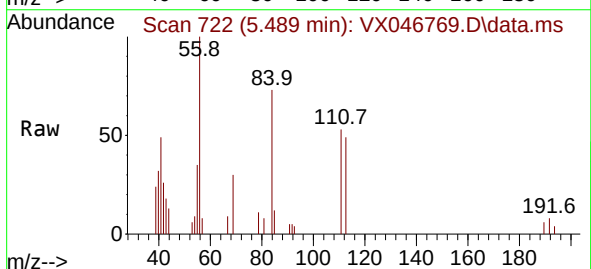
Ion	Ratio	Lower	Upper
84	100		
49	103.0	101.3	151.9
51	27.8	31.0	46.6#
86	42.6	51.1	76.7#

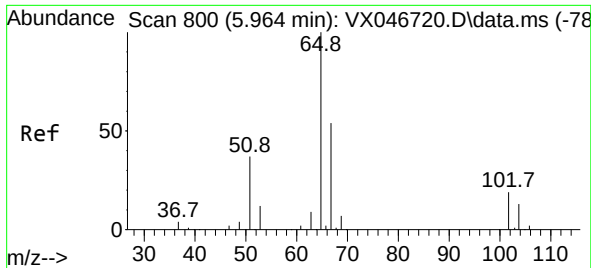


#31
Cyclohexane
Concen: 1.254 ug/l
RT: 5.489 min Scan# 722
Delta R.T. 0.006 min
Lab File: VX046769.D
Acq: 19 Jun 2025 13:57

Tgt Ion: 56 Resp: 4427

Ion	Ratio	Lower	Upper
56	100		
69	30.4	24.8	37.2
84	73.0	68.2	102.2

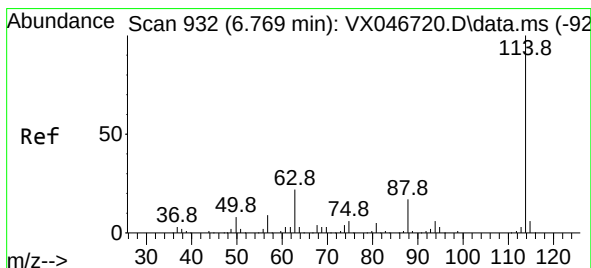
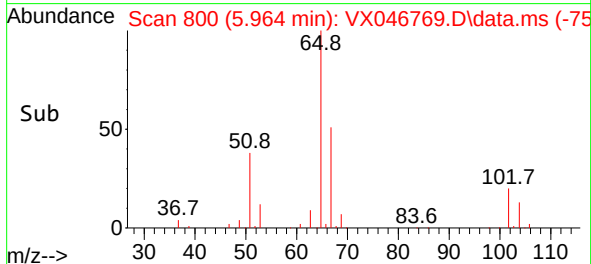
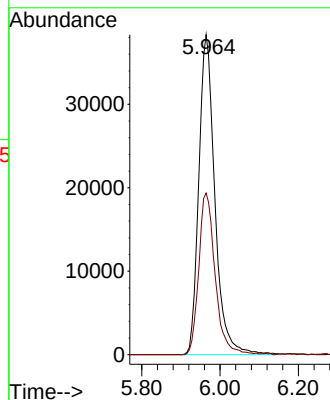
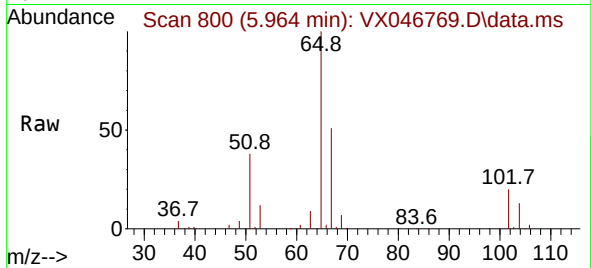




#33
 1,2-Dichloroethane-d4
 Concen: 46.453 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. -0.000 min
 Lab File: VX046769.D
 Acq: 19 Jun 2025 13:57

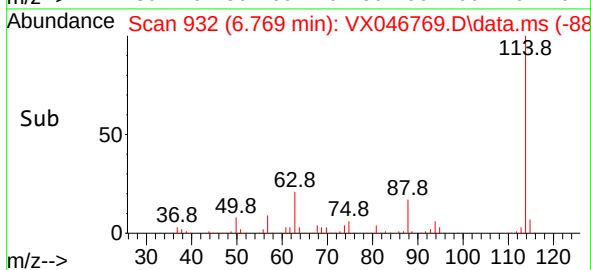
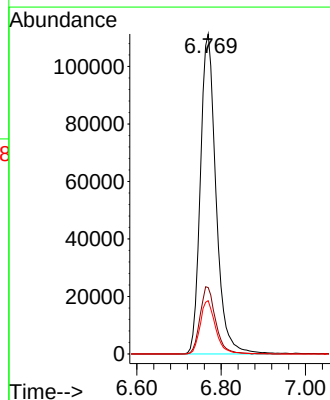
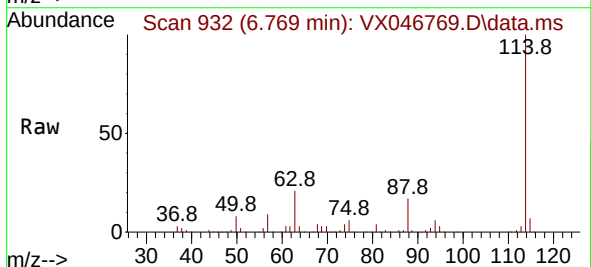
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

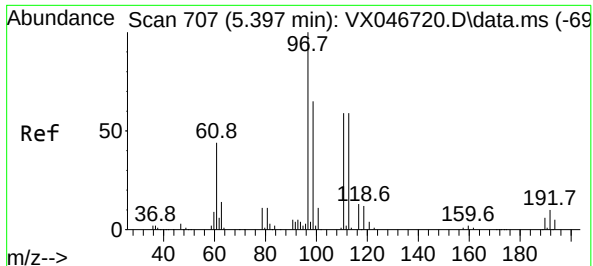
Tgt Ion: 65 Resp: 109480
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX046769.D
 Acq: 19 Jun 2025 13:57

Tgt Ion: 114 Resp: 287341
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 44.2
 88 16.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.699 ug/l

RT: 5.397 min Scan# 707

Delta R.T. -0.000 min

Lab File: VX046769.D

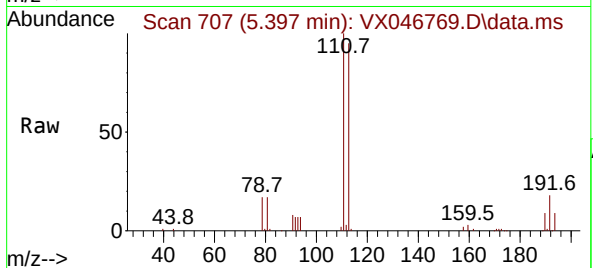
Acq: 19 Jun 2025 13:57

Instrument :

MSVOA_X

ClientSampleId :

IBLK



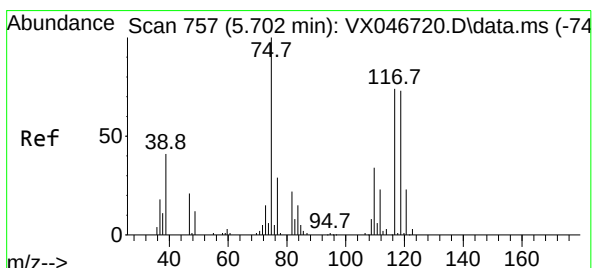
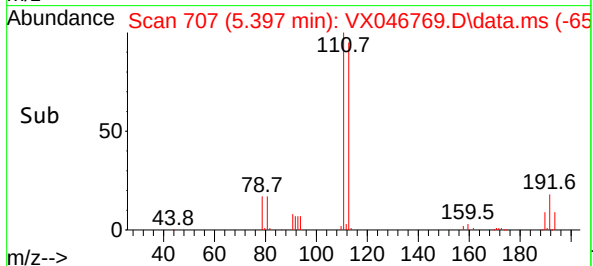
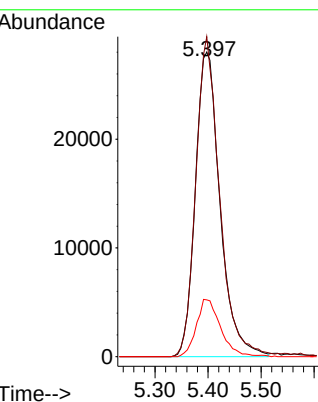
Tgt Ion:113 Resp: 90683

Ion Ratio Lower Upper

113 100

111 101.3 82.0 123.0

192 18.6 15.3 22.9



#36

1,1-Dichloropropene

Concen: 4.904 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX046769.D

Acq: 19 Jun 2025 13:57

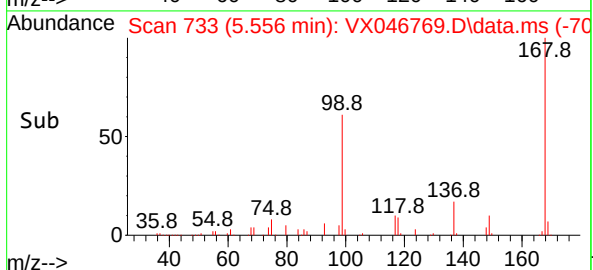
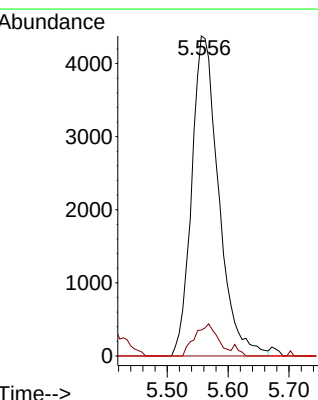
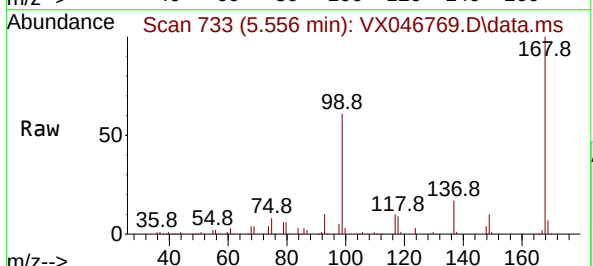
Tgt Ion: 75 Resp: 13458

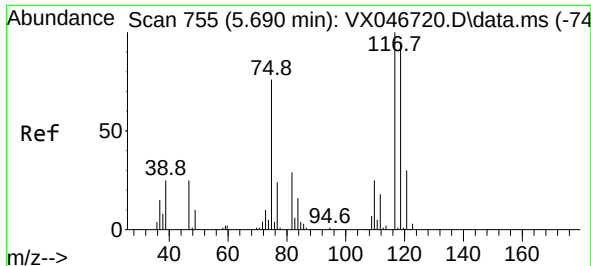
Ion Ratio Lower Upper

75 100

110 8.6 17.2 51.5#

77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 5.703 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.128 min

Lab File: VX046769.D

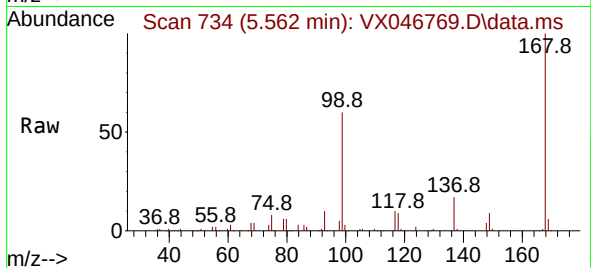
Acq: 19 Jun 2025 13:57

Instrument :

MSVOA_X

ClientSampleId :

IBLK



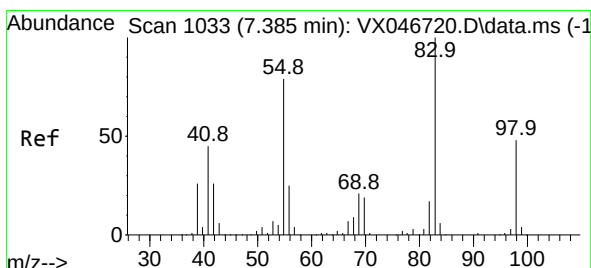
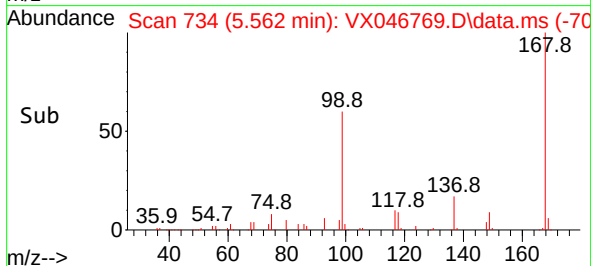
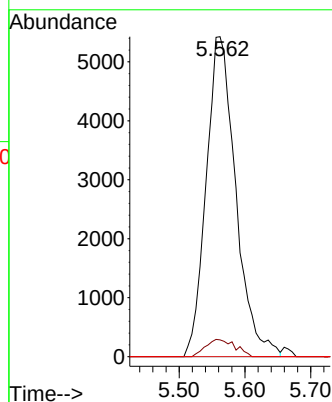
Tgt Ion:117 Resp: 16984

Ion Ratio Lower Upper

117 100

119 5.3 75.2 112.8#

121 0.0 24.1 36.1#



#39

Methylcyclohexane

Concen: 2.262 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VX046769.D

Acq: 19 Jun 2025 13:57

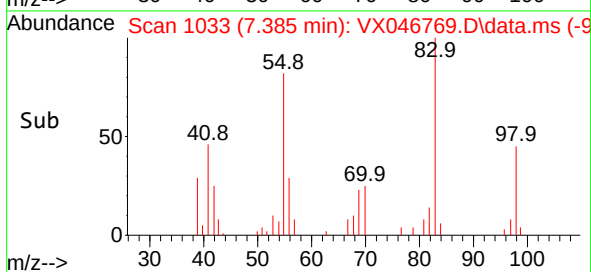
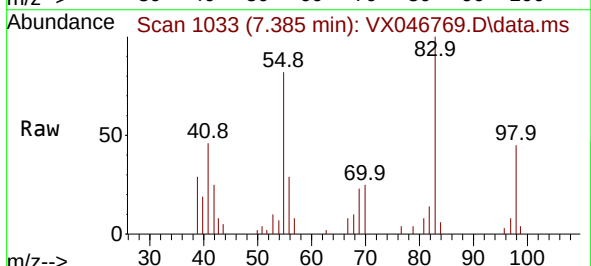
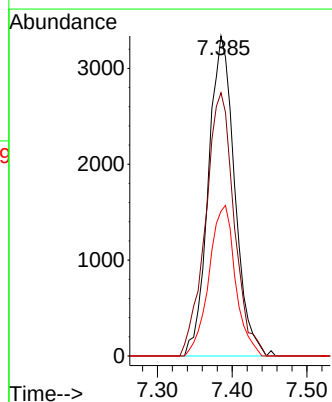
Tgt Ion: 83 Resp: 8169

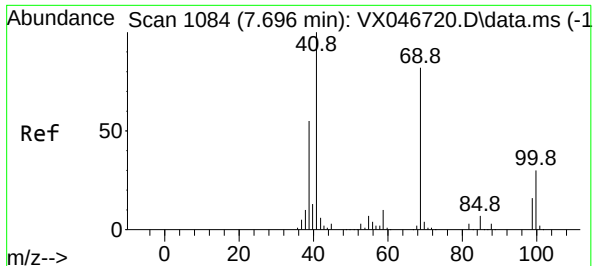
Ion Ratio Lower Upper

83 100

55 82.3 63.0 94.4

98 49.0 38.8 58.2





#48

Methyl methacrylate

Concen: 0.348 ug/l

RT: 7.653 min Scan# 1077

Delta R.T. -0.043 min

Lab File: VX046769.D

Acq: 19 Jun 2025 13:57

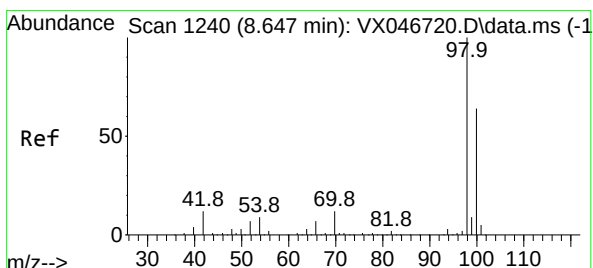
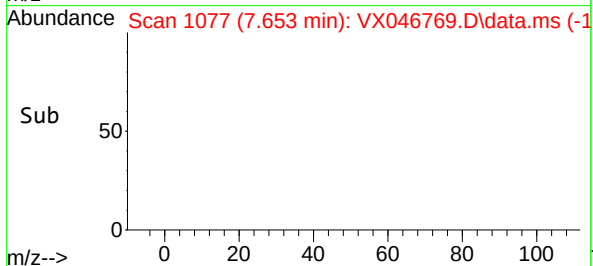
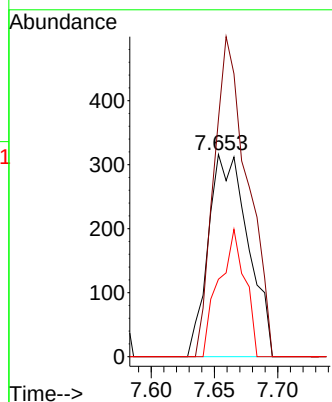
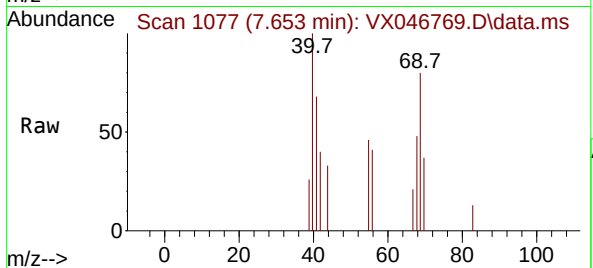
Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion:	41	Resp:	692
Ion	Ratio	Lower	Upper
41	100		
69	134.0	63.4	95.2#
39	41.2	45.4	68.0#



#50

Toluene-d8

Concen: 50.305 ug/l

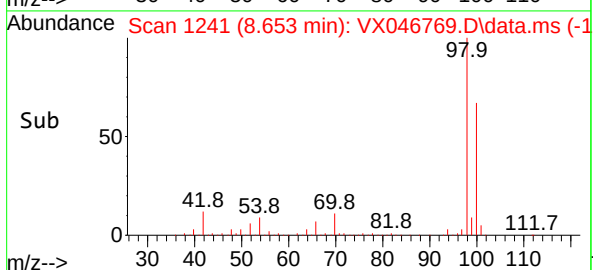
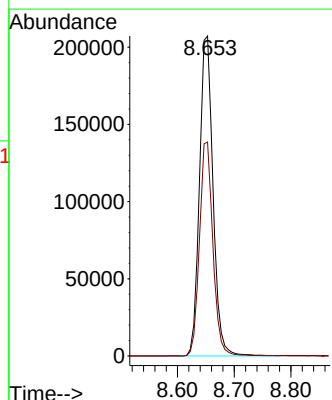
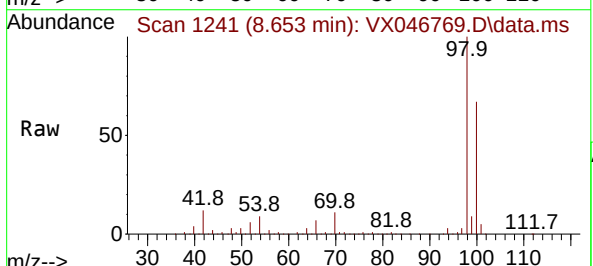
RT: 8.653 min Scan# 1241

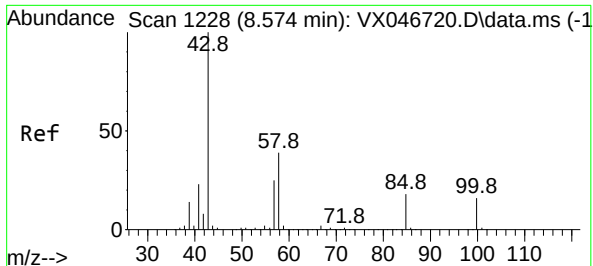
Delta R.T. 0.006 min

Lab File: VX046769.D

Acq: 19 Jun 2025 13:57

Tgt Ion:	98	Resp:	343599
Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.4

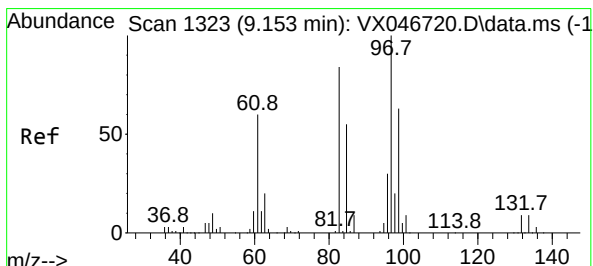
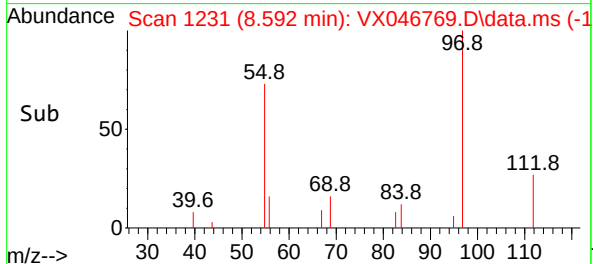
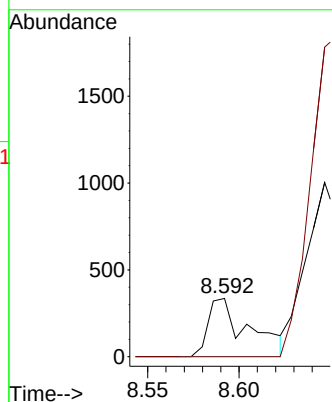
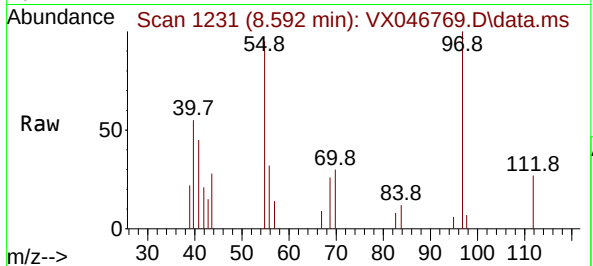




#51
4-Methyl-2-Pentanone
Concen: 0.217 ug/l
RT: 8.592 min Scan# 1316
Delta R.T. 0.018 min
Lab File: VX046769.D
Acq: 19 Jun 2025 13:57

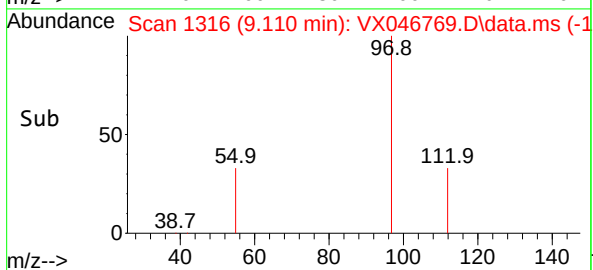
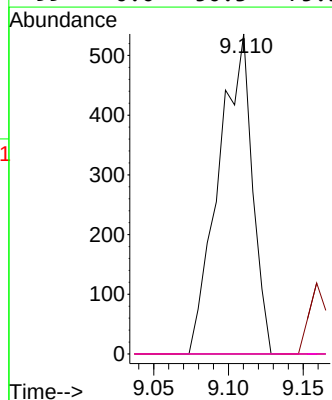
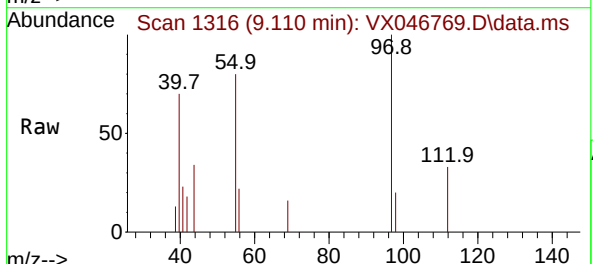
Instrument :
MSVOA_X
ClientSampleId :
IBLK

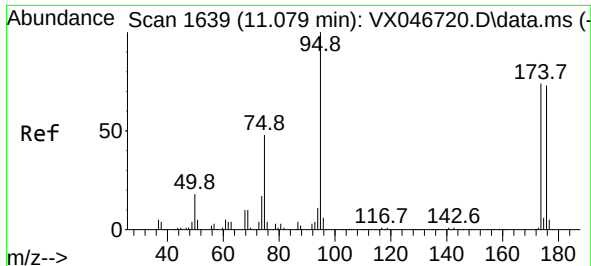
Tgt Ion: 43 Resp: 514
Ion Ratio Lower Upper
43 100
58 0.0 30.8 46.2#



#55
1,1,2-Trichloroethane
Concen: 0.447 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.043 min
Lab File: VX046769.D
Acq: 19 Jun 2025 13:57

Tgt Ion: 97 Resp: 838
Ion Ratio Lower Upper
97 100
83 0.0 67.2 100.8#
85 0.0 44.1 66.1#
99 0.0 50.3 75.5#

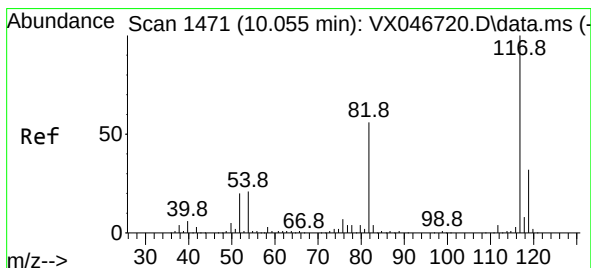
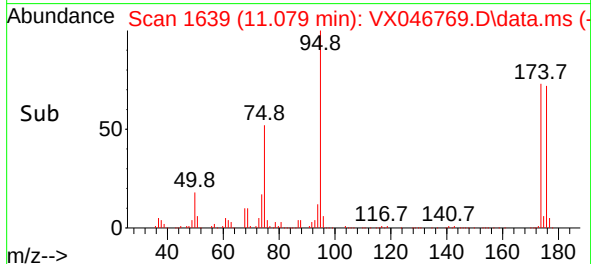
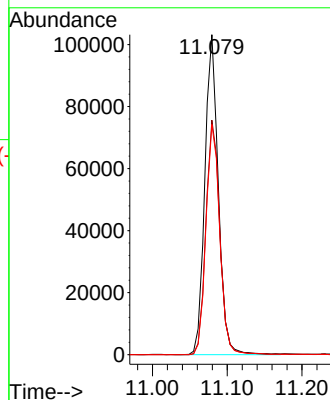
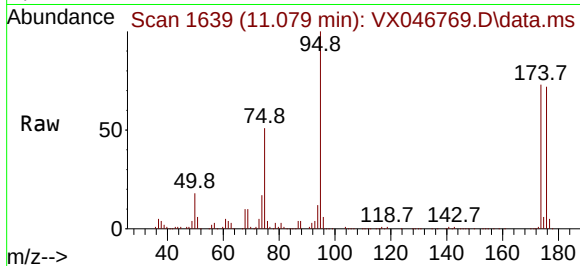




#62
4-Bromofluorobenzene
Concen: 50.819 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046769.D
Acq: 19 Jun 2025 13:57

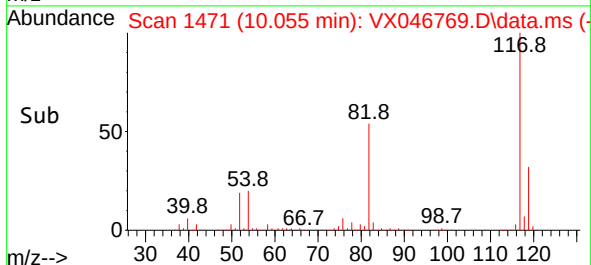
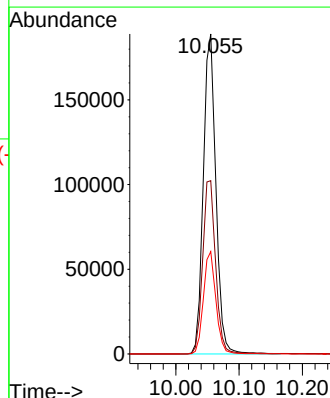
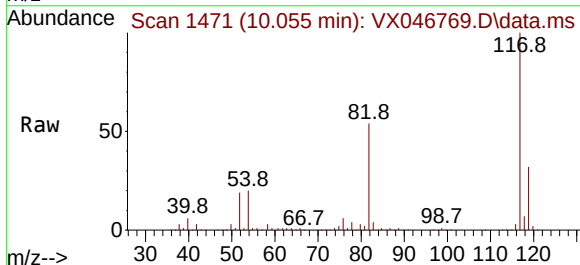
Instrument :
MSVOA_X
ClientSampleId :
IBLK

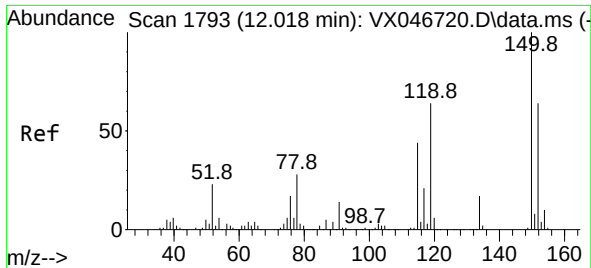
Tgt Ion: 95 Resp: 129390
Ion Ratio Lower Upper
95 100
174 75.5 0.0 150.4
176 73.6 0.0 145.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046769.D
Acq: 19 Jun 2025 13:57

Tgt Ion: 117 Resp: 261585
Ion Ratio Lower Upper
117 100
82 54.1 44.6 66.8
119 32.0 25.8 38.8

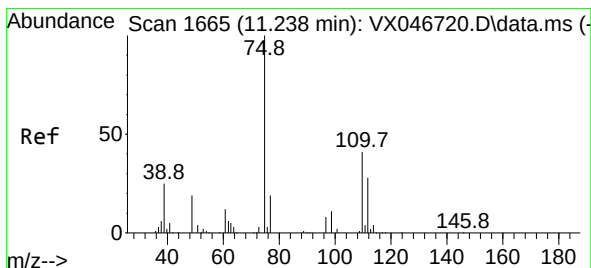
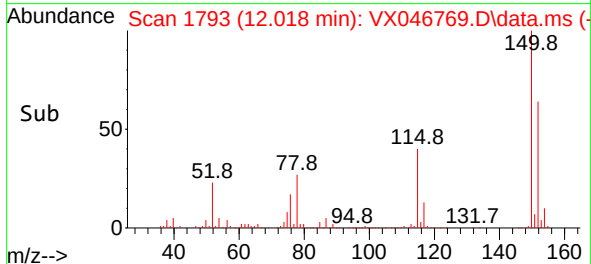
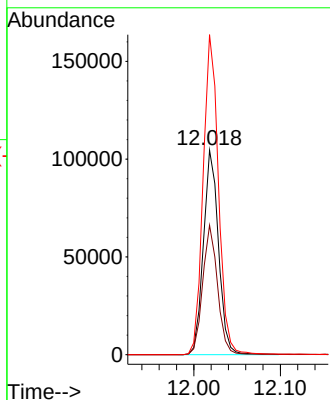
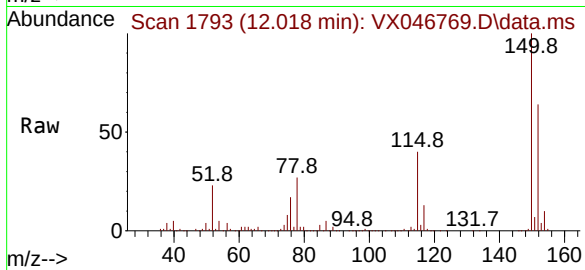




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046769.D
Acq: 19 Jun 2025 13:57

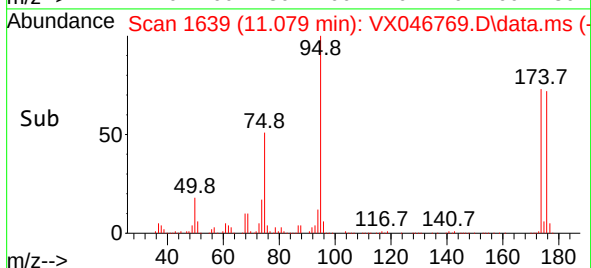
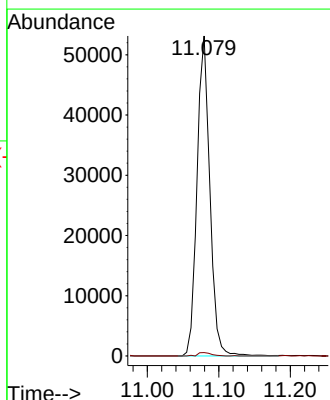
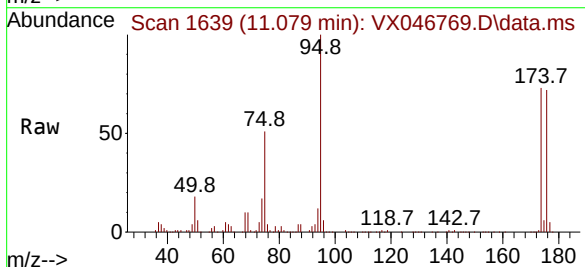
Instrument :
MSVOA_X
ClientSampleId :
IBLK

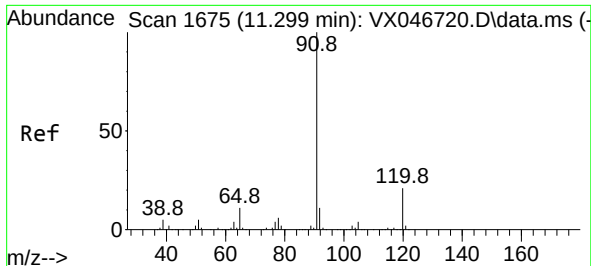
Tgt Ion:152 Resp: 126696
Ion Ratio Lower Upper
152 100
115 62.7 43.2 129.6
150 159.4 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 28.462 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046769.D
Acq: 19 Jun 2025 13:57

Tgt Ion: 75 Resp: 66045
Ion Ratio Lower Upper
75 100
77 1.1 18.5 55.5#

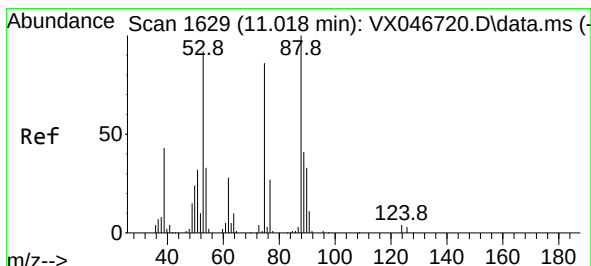
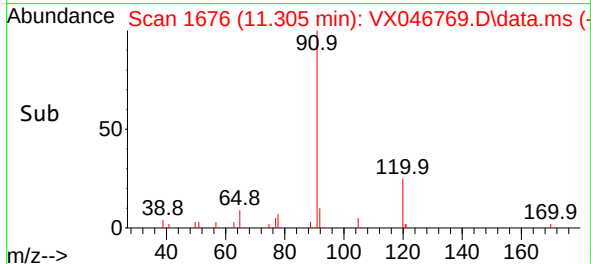
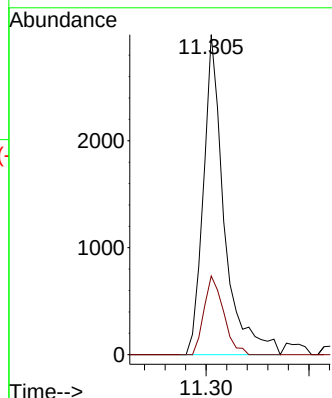
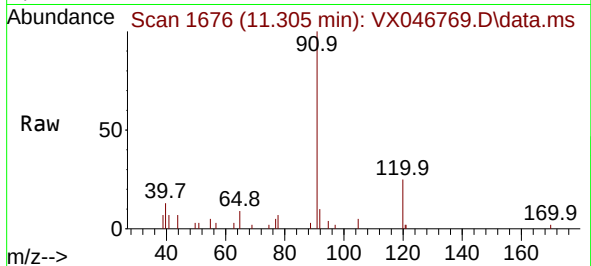




#78
n-propylbenzene
Concen: 0.380 ug/l
RT: 11.305 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VX046769.D
Acq: 19 Jun 2025 13:57

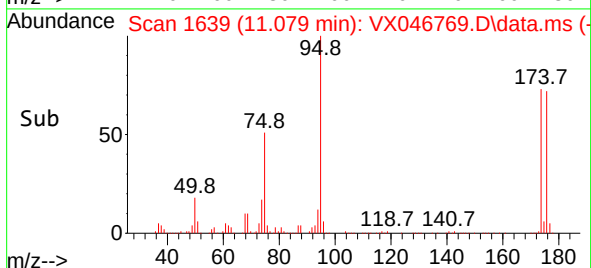
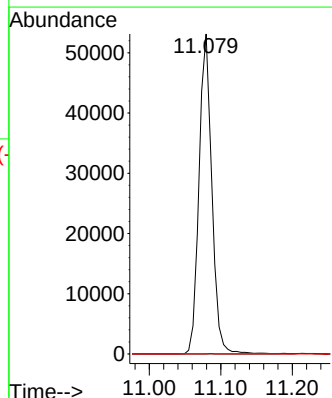
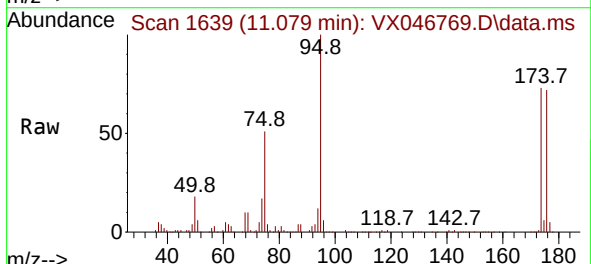
Instrument :
MSVOA_X
ClientSampleId :
IBLK

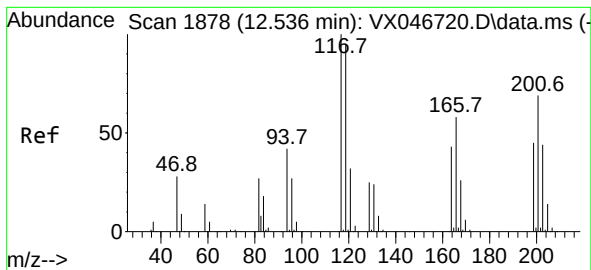
Tgt Ion: 91 Resp: 4212
Ion Ratio Lower Upper
91 100
120 23.1 11.4 34.1



#81
trans-1,4-Dichloro-2-butene
Concen: 80.450 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046769.D
Acq: 19 Jun 2025 13:57

Tgt Ion: 75 Resp: 66045
Ion Ratio Lower Upper
75 100
53 0.0 86.8 130.2#
89 0.0 36.9 55.3#





#90

Hexachloroethane

Concen: 0.348 ug/l

RT: 12.610 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX046769.D

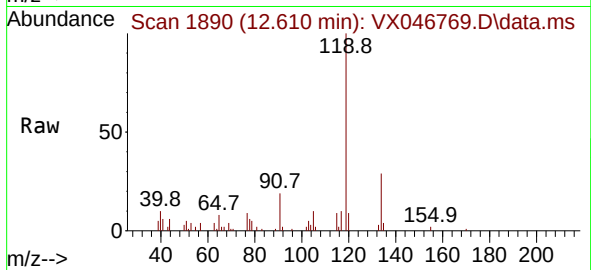
Acq: 19 Jun 2025 13:57

Instrument :

MSVOA_X

ClientSampleId :

IBLK



Tgt Ion:117 Resp: 515

Ion Ratio Lower Upper

117 100

201 0.0 34.4 103.3#

