

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
 Data File : VX047762.D
 Acq On : 24 Sep 2025 09:04
 Operator : JC/MD
 Sample : Q3127-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP07-20250915

Quant Time: Sep 25 01:19:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	121816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	256774	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	253945	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	124709	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	98601	50.851	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	101.700%	
35) Dibromofluoromethane	5.379	113	82247	47.761	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	95.520%	
50) Toluene-d8	8.634	98	287969	48.328	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	96.660%	
62) 4-Bromofluorobenzene	11.067	95	118756	52.514	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	105.020%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.337	101	3706	2.630	ug/l	94
12) 1,1-Dichloroethene	2.325	96	965	0.667	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	5260	0.996	ug/l	96
20) Methylene Chloride	2.788	84	504	0.282	ug/l #	83
24) 1,1-Dichloroethane	3.605	63	3227	1.049	ug/l #	95
27) cis-1,2-Dichloroethene	4.495	96	6922	3.627	ug/l	81
30) Chloroform	5.080	83	4836	1.556	ug/l #	73
44) Trichloroethene	7.110	130	377625	204.371	ug/l	95
64) Tetrachloroethene	9.256	164	22817	13.783	ug/l	98

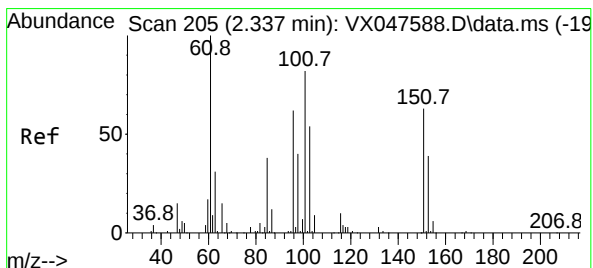
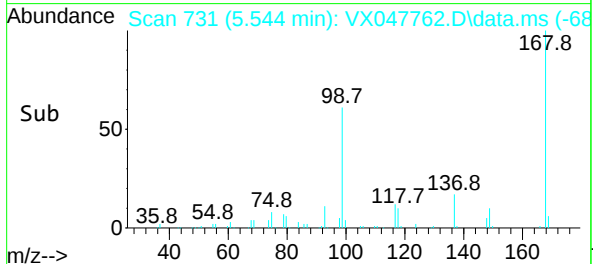
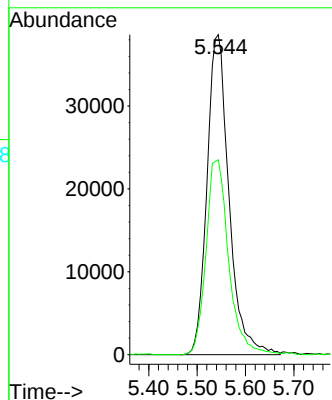
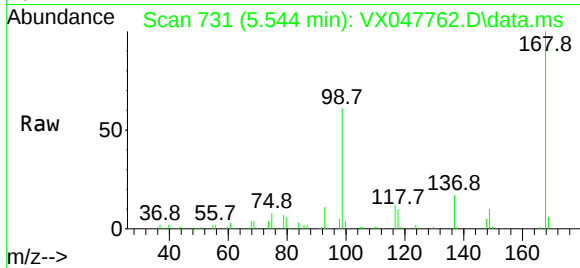
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047762.D
Acq: 24 Sep 2025 09:04

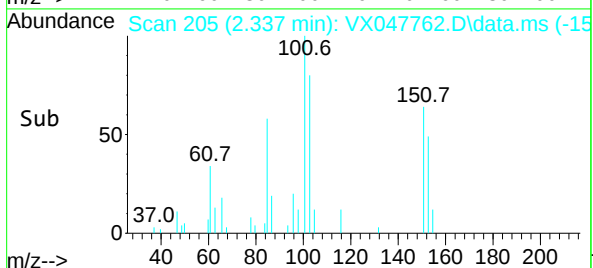
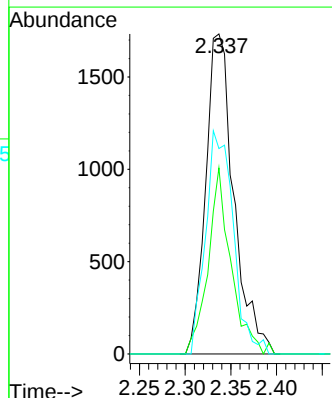
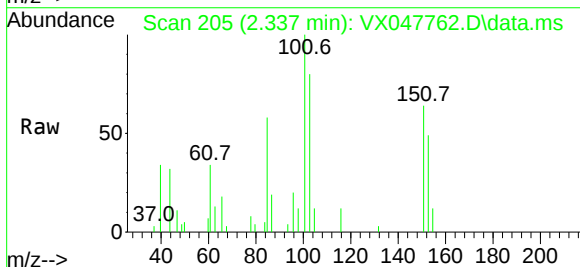
Instrument :
MSVOA_X
ClientSampleId :
DUP07-20250915

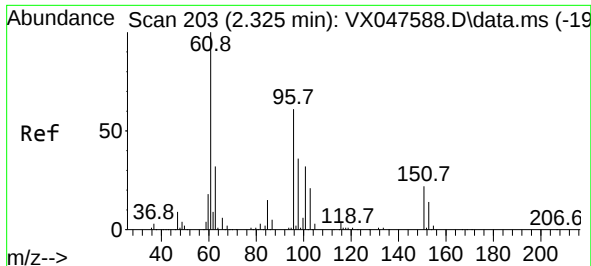
Tgt Ion:168 Resp: 121816
Ion Ratio Lower Upper
168 100
99 60.9 48.8 73.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.630 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047762.D
Acq: 24 Sep 2025 09:04

Tgt Ion:101 Resp: 3706
Ion Ratio Lower Upper
101 100
85 47.4 35.5 53.3
151 68.9 59.4 89.0

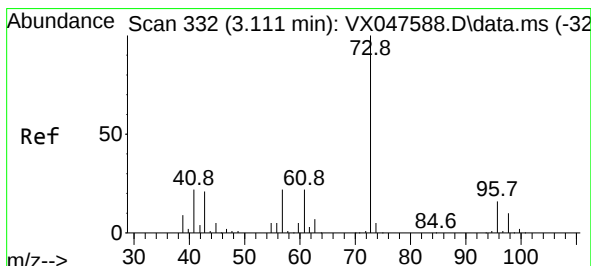
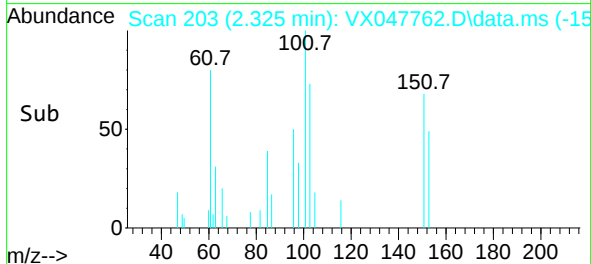
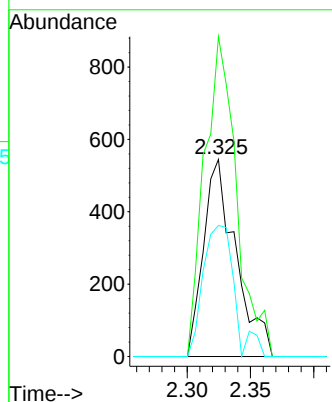
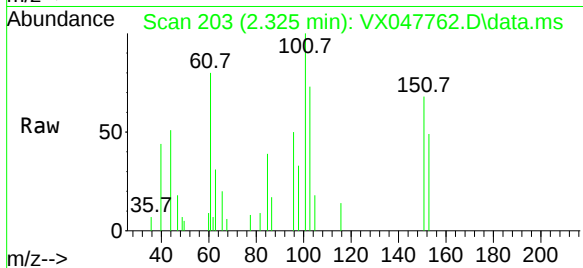




#12
1,1-Dichloroethene
Concen: 0.667 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047762.D
Acq: 24 Sep 2025 09:04

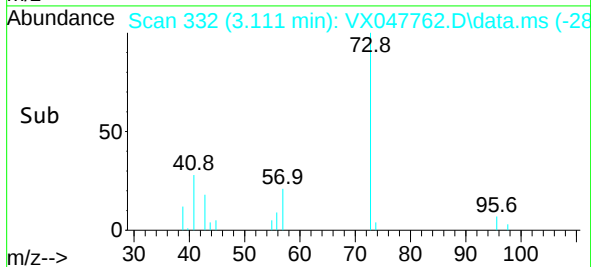
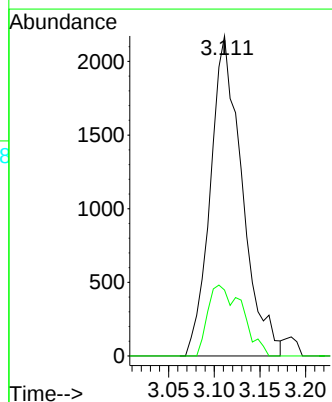
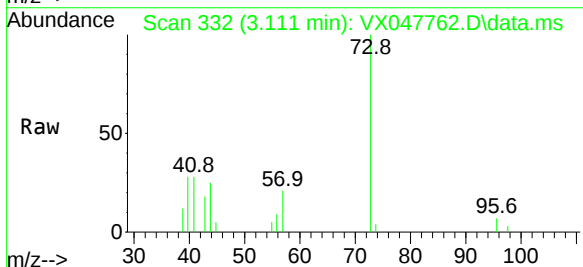
Instrument :
MSVOA_X
ClientSampleId :
DUP07-20250915

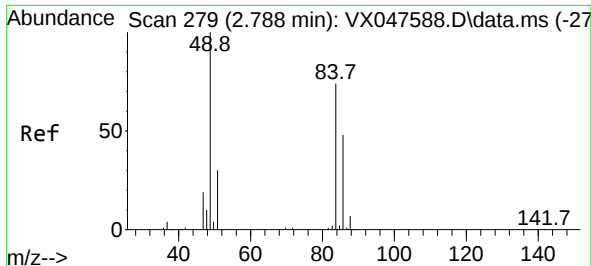
Tgt Ion:	96	Resp:	965
Ion	Ratio	Lower	Upper
96	100		
61	162.2	131.0	196.6
98	66.4	47.7	71.5



#19
Methyl tert-butyl Ether
Concen: 0.996 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.000 min
Lab File: VX047762.D
Acq: 24 Sep 2025 09:04

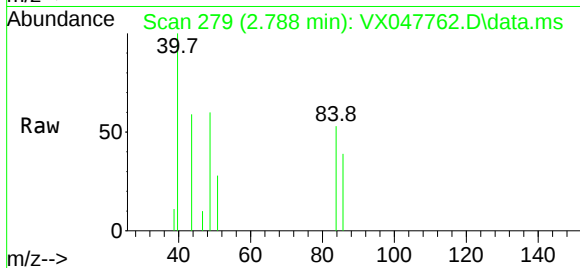
Tgt Ion:	73	Resp:	5260
Ion	Ratio	Lower	Upper
73	100		
57	19.8	17.4	26.2



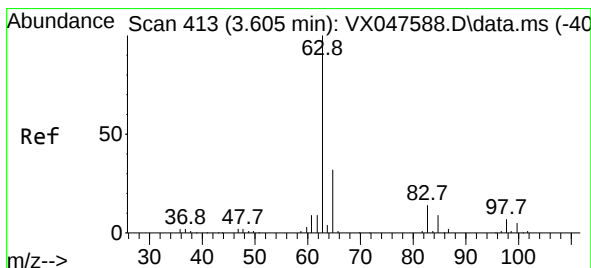
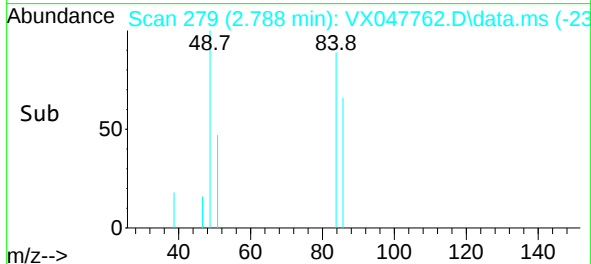
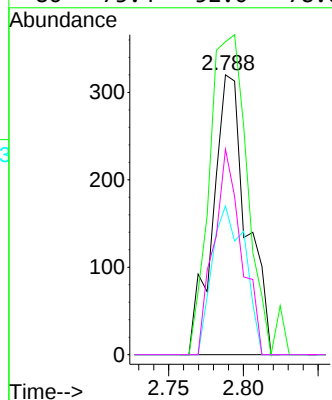


#20
Methylene Chloride
Concen: 0.282 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX047762.D
Acq: 24 Sep 2025 09:04

Instrument :
MSVOA_X
ClientSampleId :
DUP07-20250915

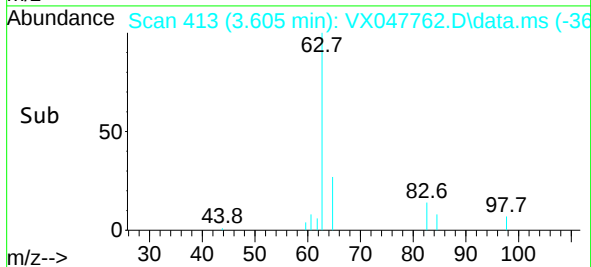
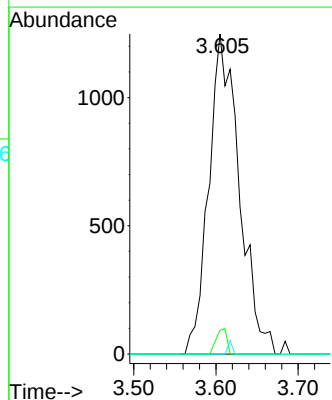
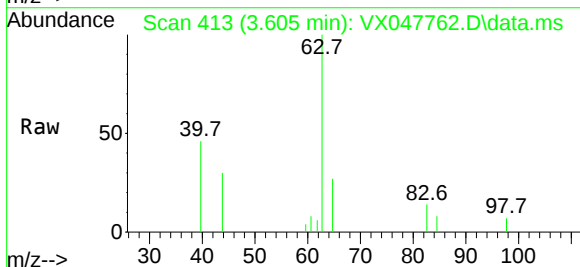


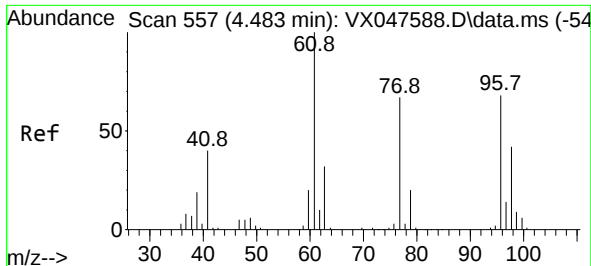
Tgt Ion: 84 Resp: 504
Ion Ratio Lower Upper
84 100
49 111.9 108.6 162.8
51 53.1 32.6 48.8#
86 73.4 52.0 78.0



#24
1,1-Dichloroethane
Concen: 1.049 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047762.D
Acq: 24 Sep 2025 09:04

Tgt Ion: 63 Resp: 3227
Ion Ratio Lower Upper
63 100
98 7.5 3.8 11.2
100 0.0 2.3 6.9#

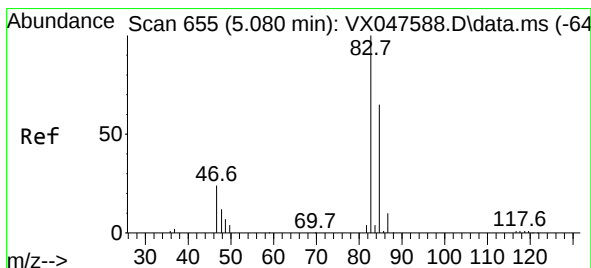
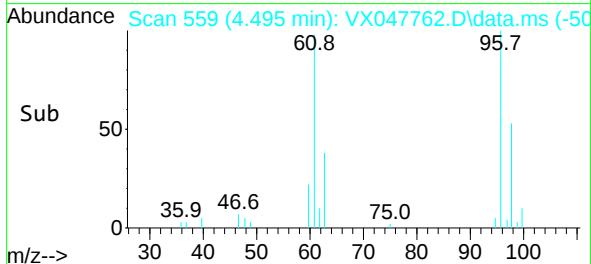
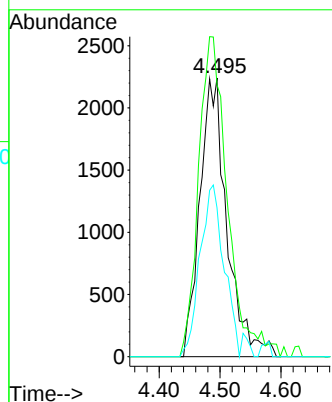
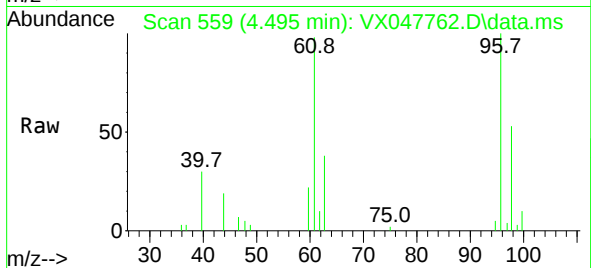




#27
 cis-1,2-Dichloroethene
 Concen: 3.627 ug/l
 RT: 4.495 min Scan# 51
 Delta R.T. 0.012 min
 Lab File: VX047762.D
 Acq: 24 Sep 2025 09:04

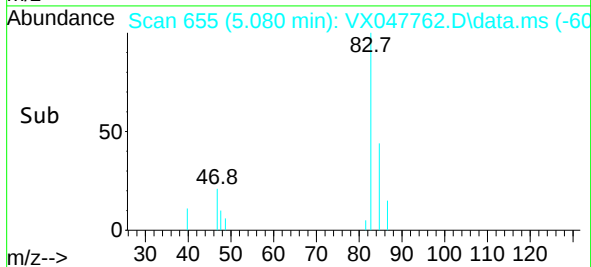
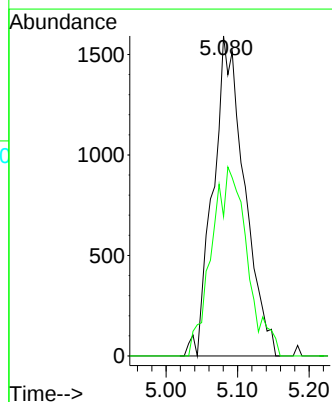
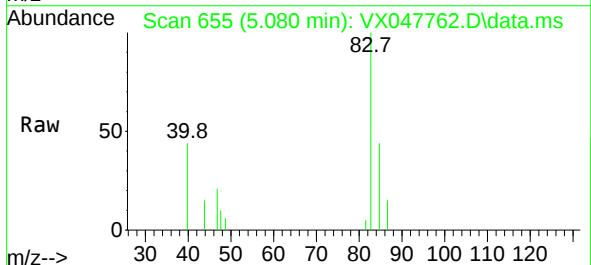
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP07-20250915

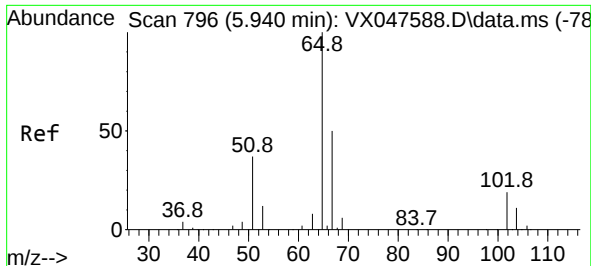
Tgt Ion: 96 Resp: 6922
 Ion Ratio Lower Upper
 96 100
 61 122.9 0.0 303.2
 98 54.6 0.0 127.8



#30
 Chloroform
 Concen: 1.556 ug/l
 RT: 5.080 min Scan# 655
 Delta R.T. -0.000 min
 Lab File: VX047762.D
 Acq: 24 Sep 2025 09:04

Tgt Ion: 83 Resp: 4836
 Ion Ratio Lower Upper
 83 100
 85 43.5 51.8 77.6#





#33

1,2-Dichloroethane-d4

Concen: 50.851 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX047762.D

Acq: 24 Sep 2025 09:04

Instrument :

MSVOA_X

ClientSampleId :

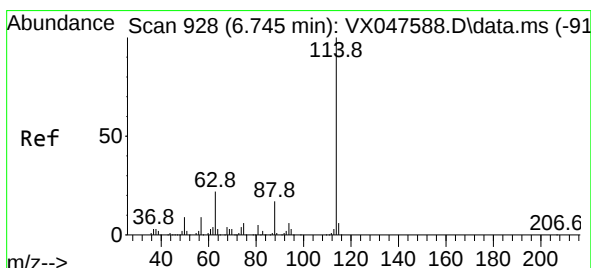
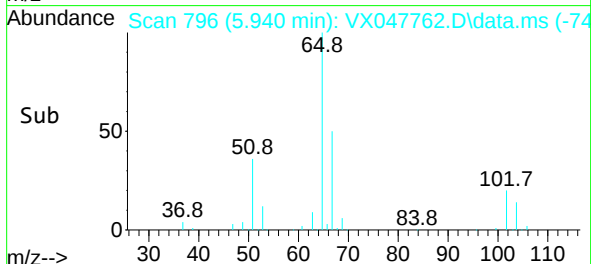
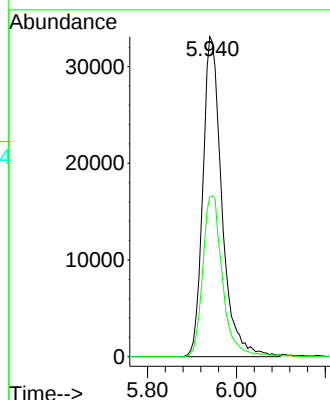
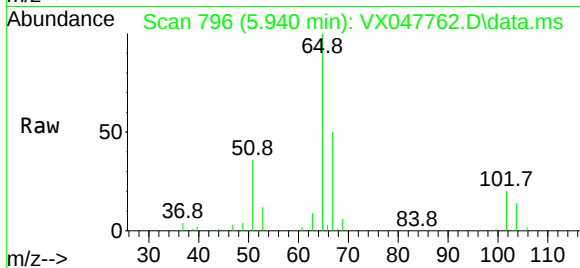
DUP07-20250915

Tgt Ion: 65 Resp: 98601

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047762.D

Acq: 24 Sep 2025 09:04

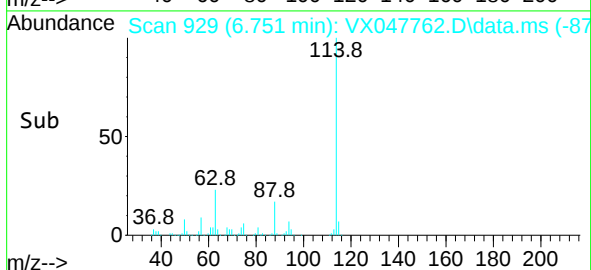
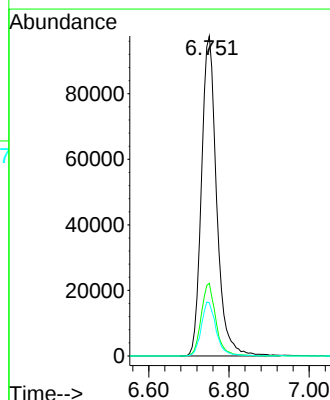
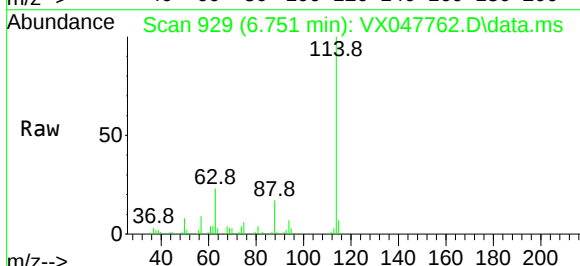
Tgt Ion: 114 Resp: 256774

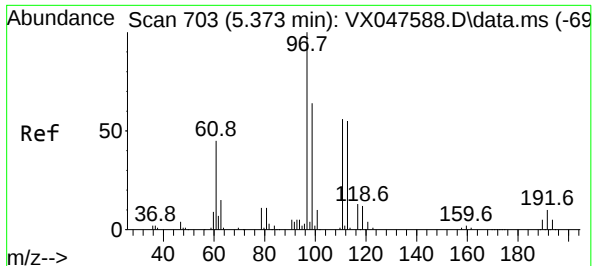
Ion Ratio Lower Upper

114 100

63 22.7 0.0 44.0

88 16.6 0.0 34.2

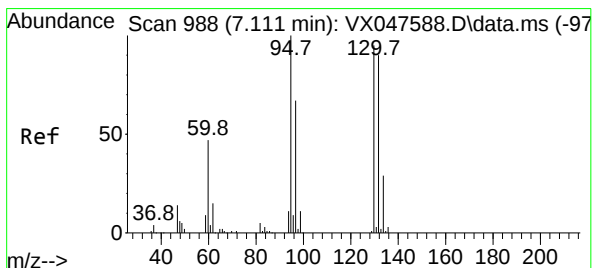
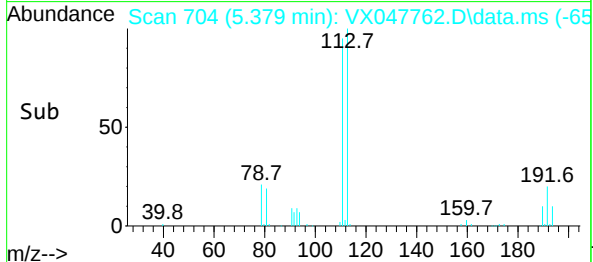
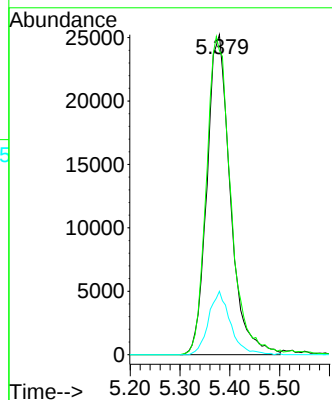
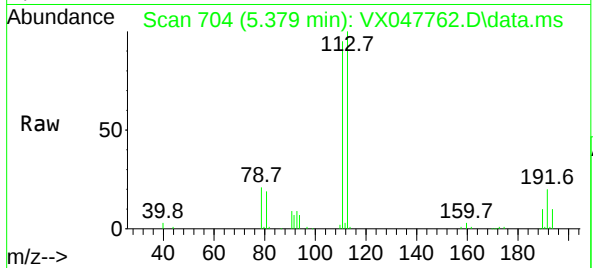




#35
Dibromofluoromethane
Concen: 47.761 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX047762.D
Acq: 24 Sep 2025 09:04

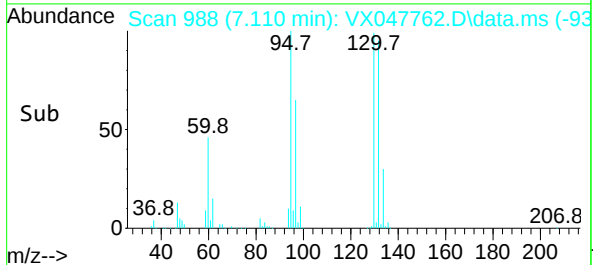
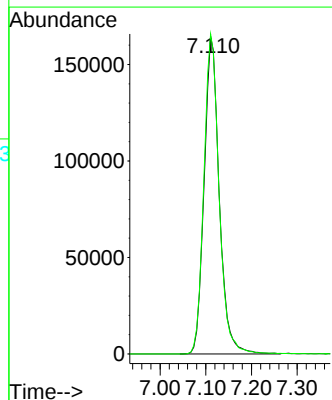
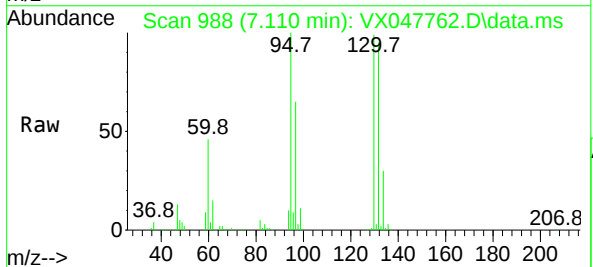
Instrument :
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DUP07-20250915

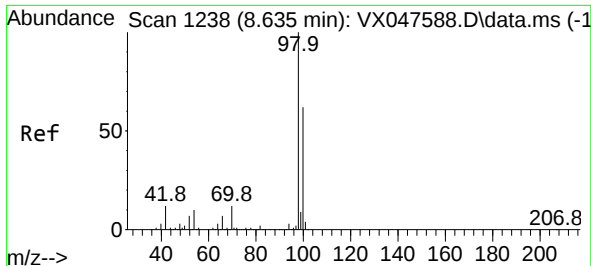
Tgt Ion:113 Resp: 82247
Ion Ratio Lower Upper
113 100
111 103.2 80.9 121.3
192 18.6 14.2 21.4



#44
Trichloroethene
Concen: 204.371 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047762.D
Acq: 24 Sep 2025 09:04

Tgt Ion:130 Resp: 377625
Ion Ratio Lower Upper
130 100
95 100.7 0.0 210.8

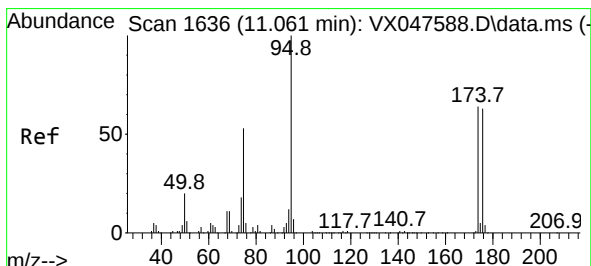
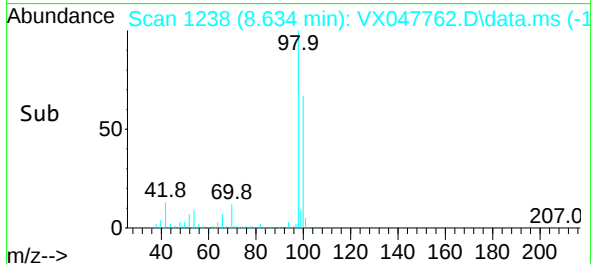
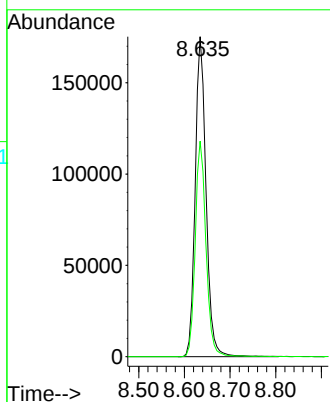
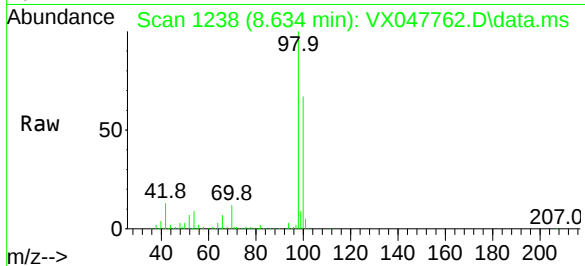




#50
Toluene-d8
Concen: 48.328 ug/l
RT: 8.634 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047762.D
Acq: 24 Sep 2025 09:04

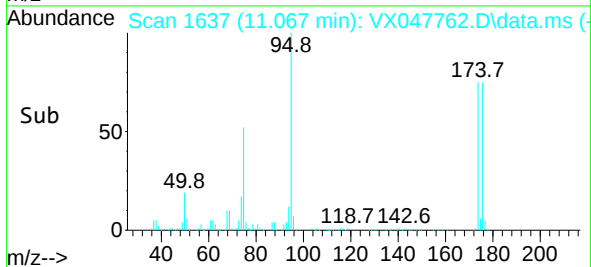
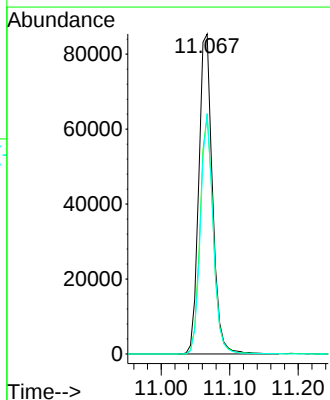
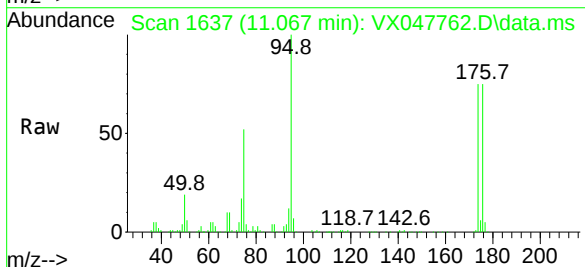
Instrument :
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DUP07-20250915

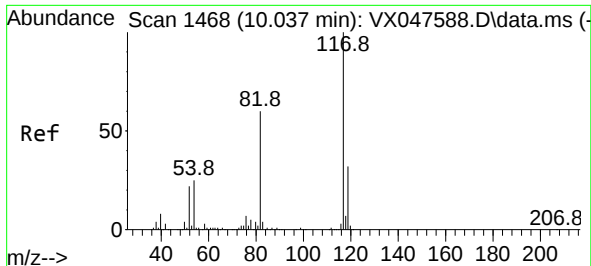
Tgt Ion: 98 Resp: 287969
Ion Ratio Lower Upper
98 100
100 67.0 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 52.514 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047762.D
Acq: 24 Sep 2025 09:04

Tgt Ion: 95 Resp: 118756
Ion Ratio Lower Upper
95 100
174 71.6 0.0 141.6
176 69.9 0.0 138.4

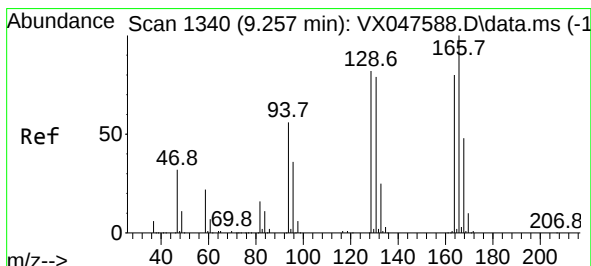
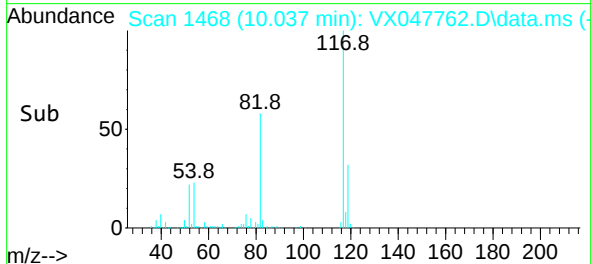
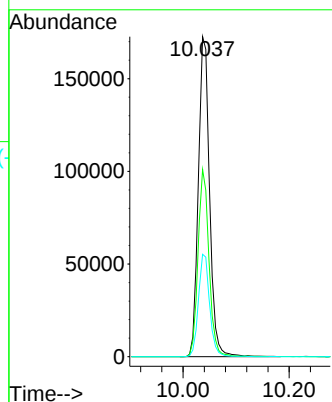
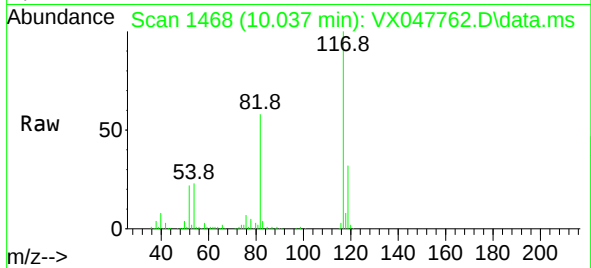




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047762.D
Acq: 24 Sep 2025 09:04

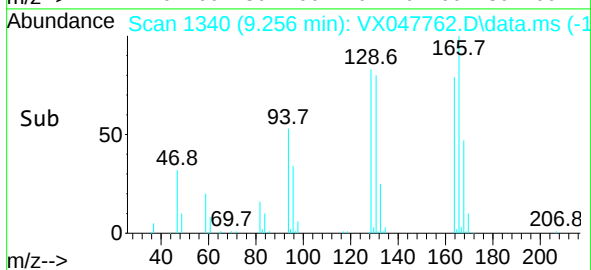
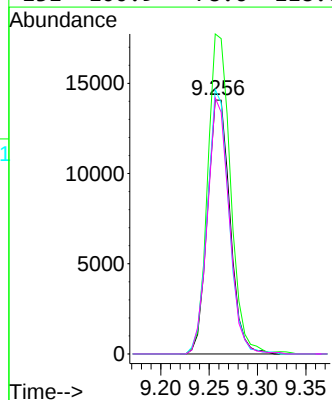
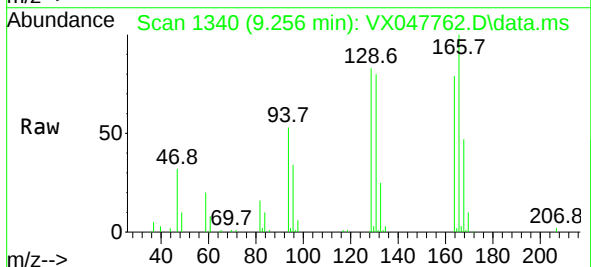
Instrument :
MSVOA_X
ClientSampleId :
DUP07-20250915

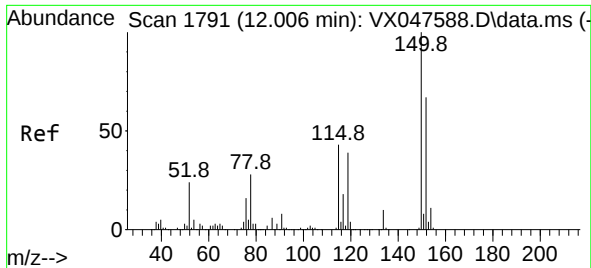
Tgt Ion:117 Resp: 253945
Ion Ratio Lower Upper
117 100
82 58.5 47.8 71.6
119 32.0 25.2 37.8



#64
Tetrachloroethene
Concen: 13.783 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047762.D
Acq: 24 Sep 2025 09:04

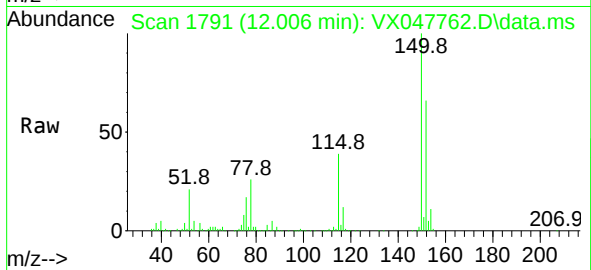
Tgt Ion:164 Resp: 22817
Ion Ratio Lower Upper
164 100
166 126.1 100.2 150.2
129 104.2 81.8 122.6
131 100.9 78.6 118.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047762.D
 Acq: 24 Sep 2025 09:04

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP07-20250915



Tgt Ion:152 Resp: 124709
 Ion Ratio Lower Upper
 152 100
 115 62.1 44.9 134.5
 150 156.2 0.0 352.0

