

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
 Data File : VX047686.D
 Acq On : 19 Sep 2025 18:42
 Operator : JC/MD
 Sample : Q3097-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE105D2-20250911

Quant Time: Sep 20 00:37:25 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)

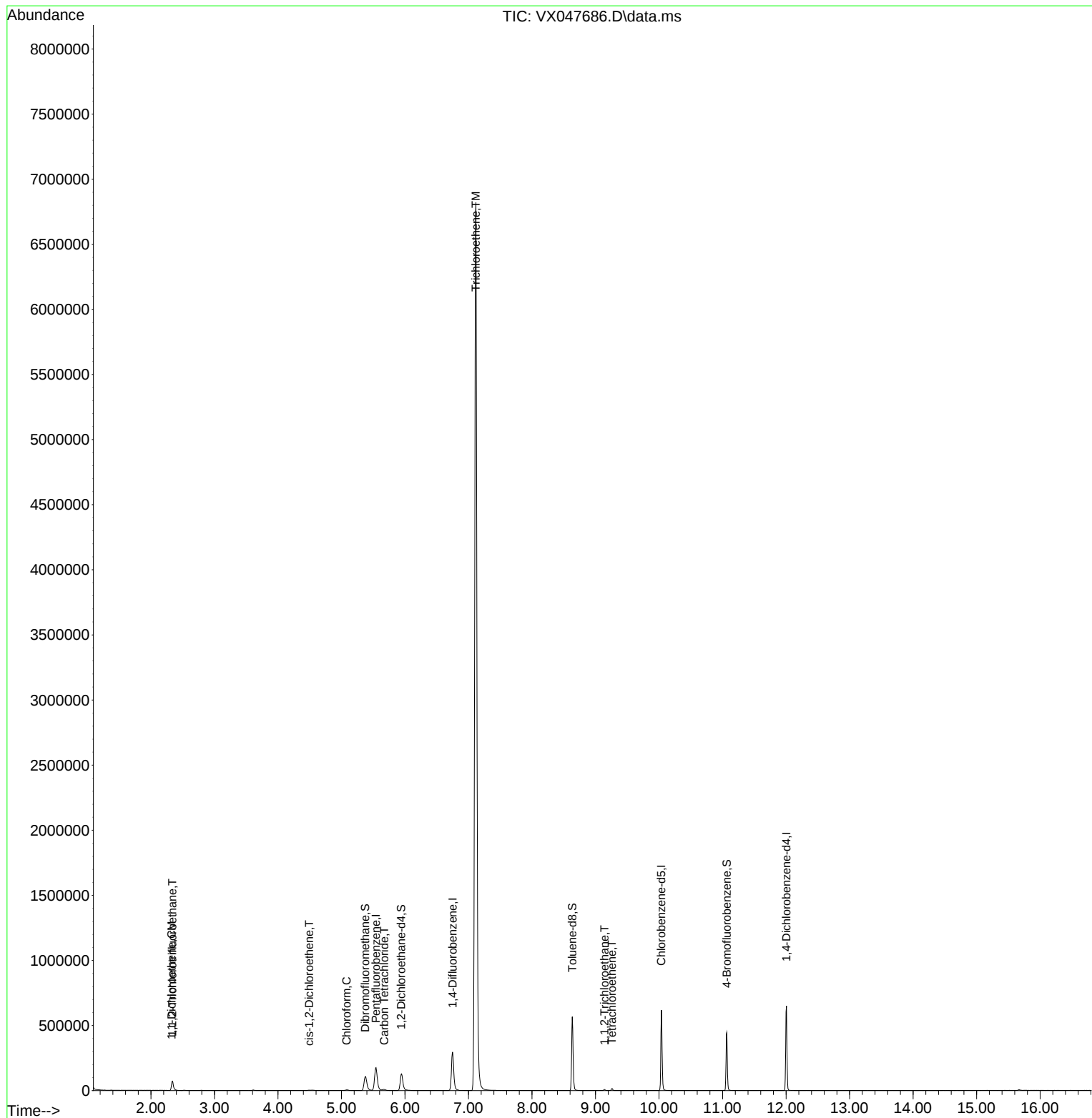
Internal Standards						
1) Pentafluorobenzene	5.544	168	177032	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	325665	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	279784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	134519	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	140568	49.884	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.760%
35) Dibromofluoromethane	5.373	113	106323	48.681	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.360%
50) Toluene-d8	8.635	98	344065	45.527	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.060%#
62) 4-Bromofluorobenzene	11.067	95	132736	46.279	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.560%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.337	101	27416	13.389	ug/l	99
12) 1,1-Dichloroethene	2.325	96	7521	3.576	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	1759	0.634	ug/l	98
30) Chloroform	5.080	83	6861	1.519	ug/l	99
38) Carbon Tetrachloride	5.672	117	7859	2.266	ug/l	94
44) Trichloroethene	7.117	130	2881000	1229.366	ug/l	96
55) 1,1,2-Trichloroethane	9.141	97	2411	1.047	ug/l #	82
64) Tetrachloroethene	9.256	164	2930	1.606	ug/l #	93

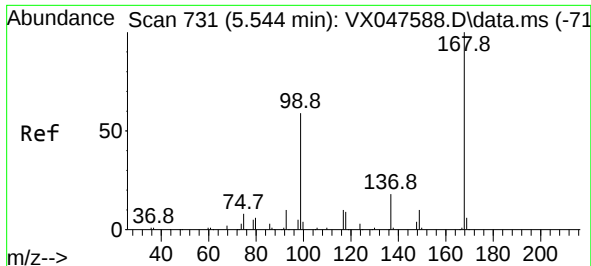
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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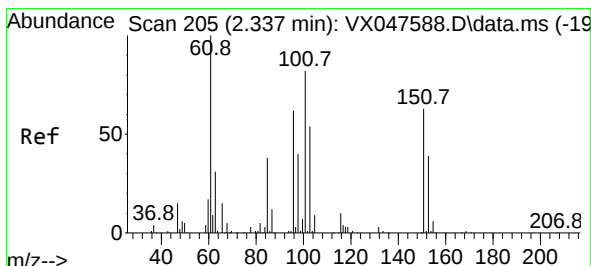
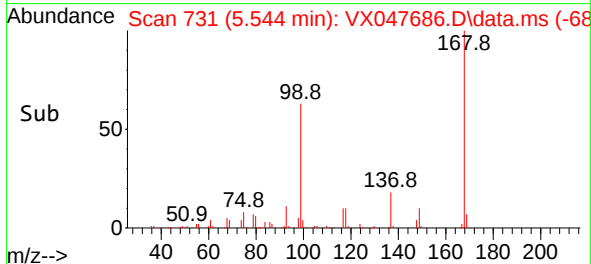
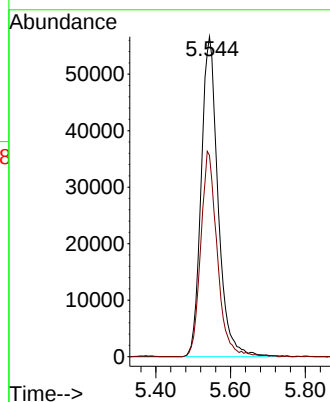
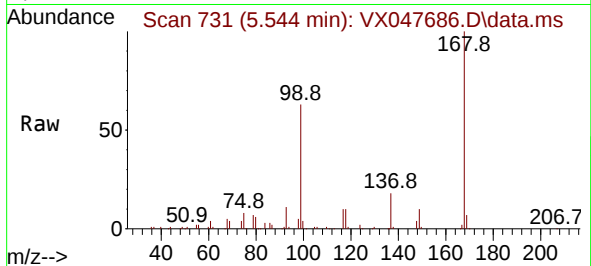




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047686.D
Acq: 19 Sep 2025 18:42

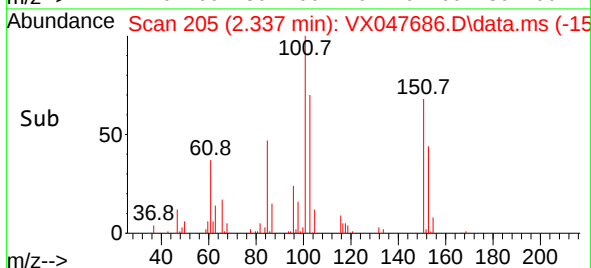
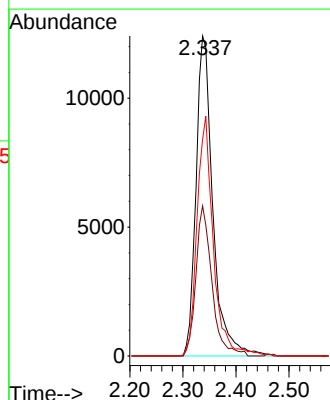
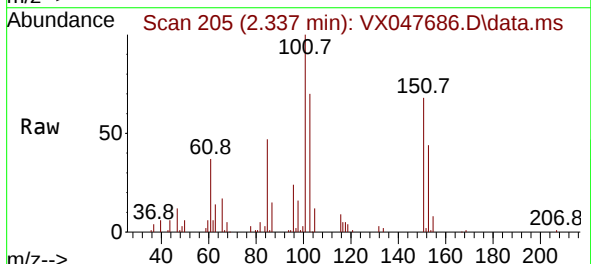
Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20250911

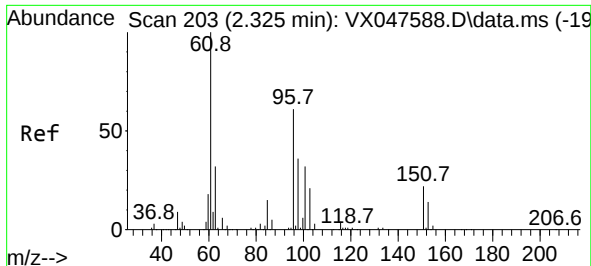
Tgt Ion:168 Resp: 177032
Ion Ratio Lower Upper
168 100
99 62.9 48.8 73.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 13.389 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047686.D
Acq: 19 Sep 2025 18:42

Tgt Ion:101 Resp: 27416
Ion Ratio Lower Upper
101 100
85 44.5 35.5 53.3
151 72.4 59.4 89.0





#12

1,1-Dichloroethene

Concen: 3.576 ug/l

RT: 2.325 min Scan# 203

Delta R.T. -0.000 min

Lab File: VX047686.D

Acq: 19 Sep 2025 18:42

Instrument :

MSVOA_X

ClientSampleId :

RE105D2-20250911

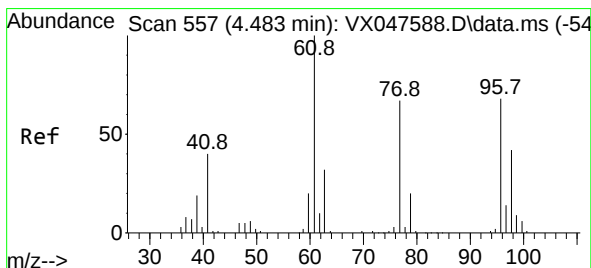
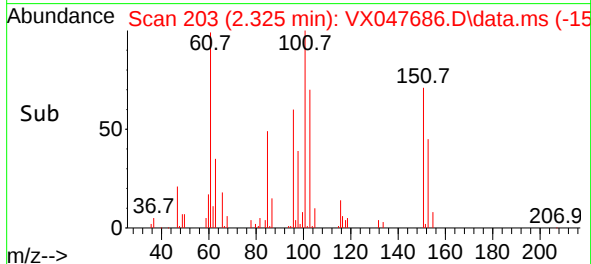
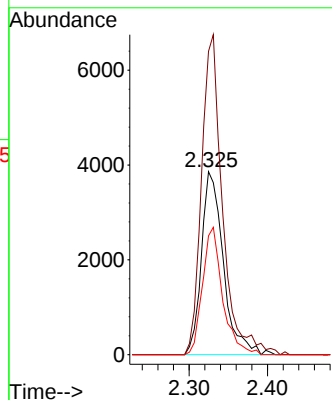
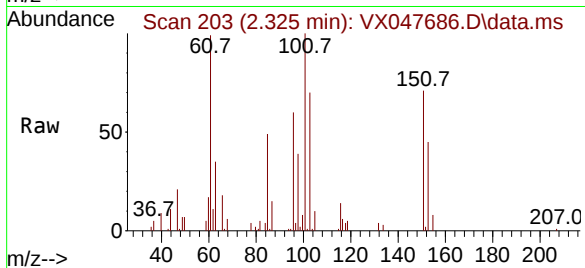
Tgt Ion: 96 Resp: 7521

Ion Ratio Lower Upper

96 100

61 165.7 131.0 196.6

98 68.0 47.7 71.5



#27

cis-1,2-Dichloroethene

Concen: 0.634 ug/l

RT: 4.489 min Scan# 558

Delta R.T. 0.006 min

Lab File: VX047686.D

Acq: 19 Sep 2025 18:42

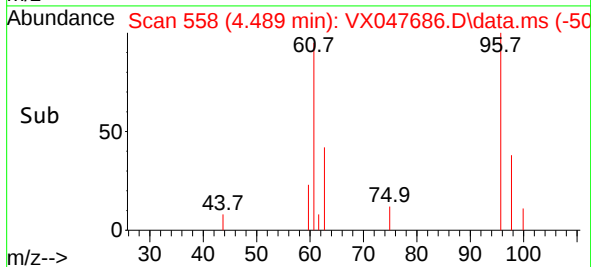
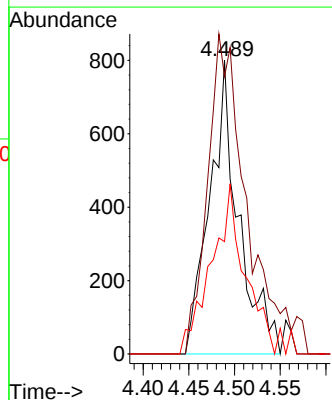
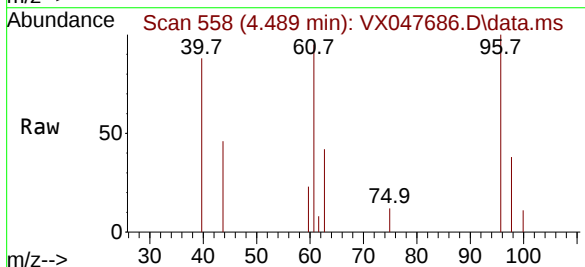
Tgt Ion: 96 Resp: 1759

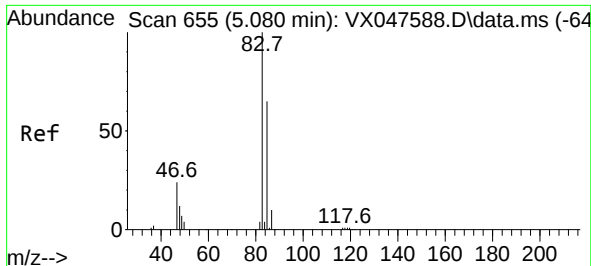
Ion Ratio Lower Upper

96 100

61 149.7 0.0 303.2

98 66.9 0.0 127.8





#30

Chloroform

Concen: 1.519 ug/l

RT: 5.080 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX047686.D

Acq: 19 Sep 2025 18:42

Instrument :

MSVOA_X

ClientSampleId :

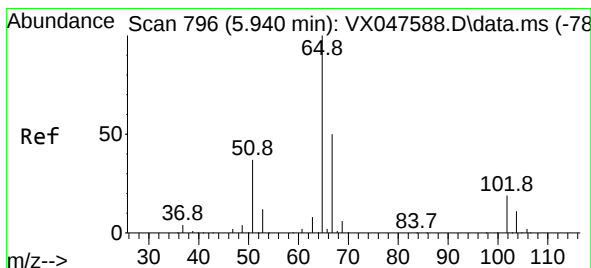
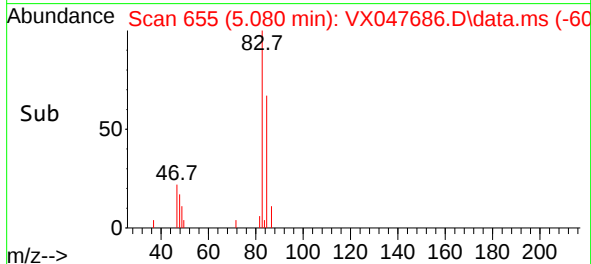
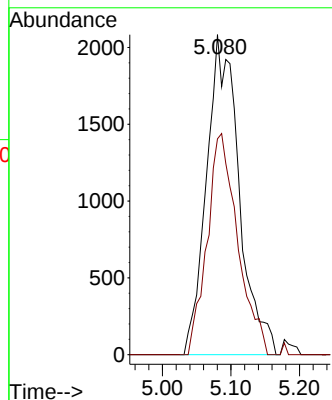
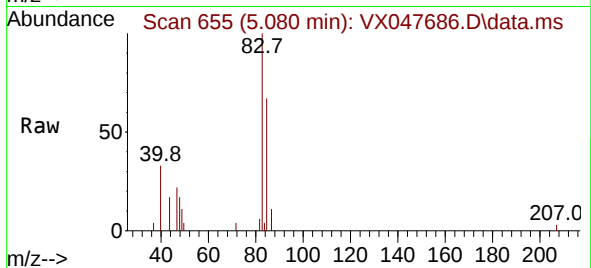
RE105D2-20250911

Tgt Ion: 83 Resp: 6861

Ion Ratio Lower Upper

83 100

85 65.1 51.8 77.6



#33

1,2-Dichloroethane-d4

Concen: 49.884 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX047686.D

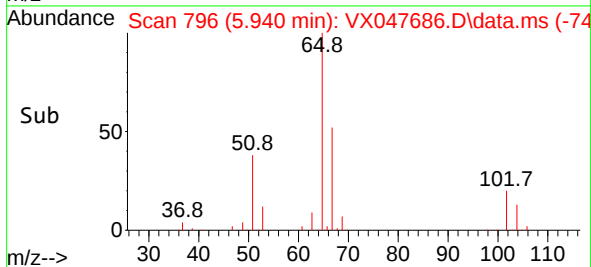
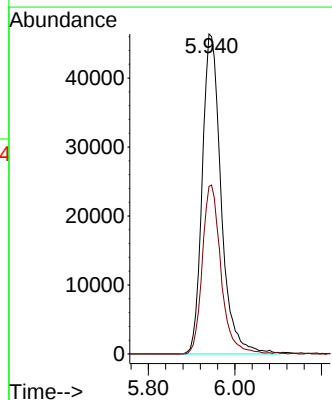
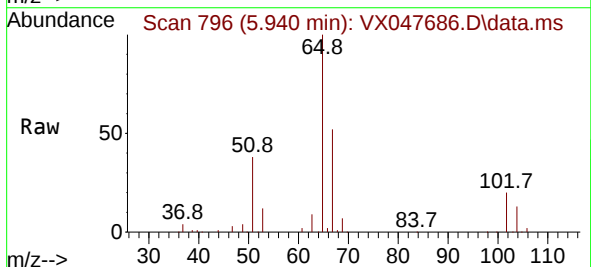
Acq: 19 Sep 2025 18:42

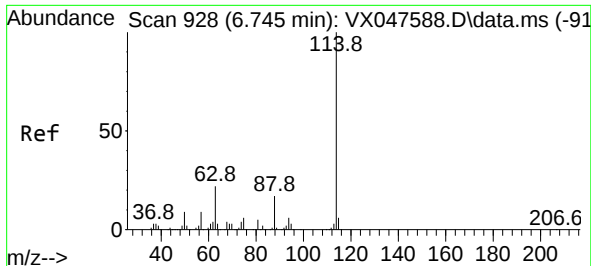
Tgt Ion: 65 Resp: 140568

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.0

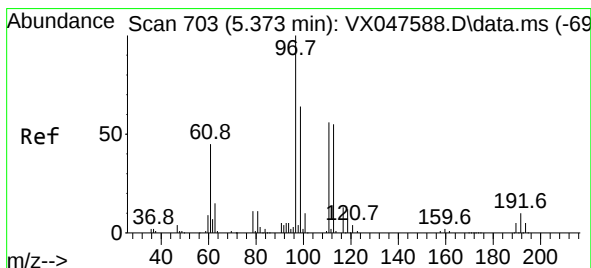
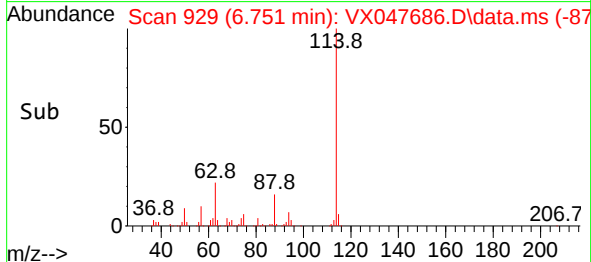
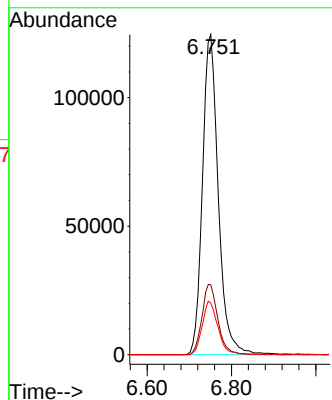
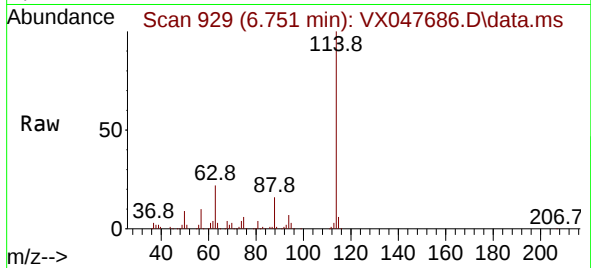




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047686.D
Acq: 19 Sep 2025 18:42

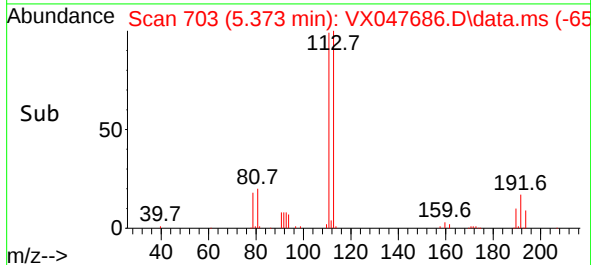
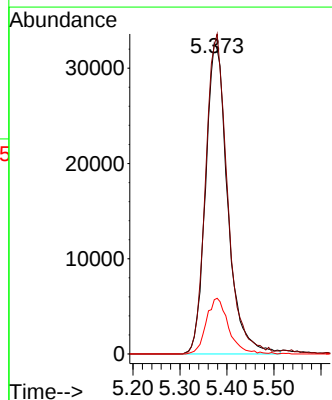
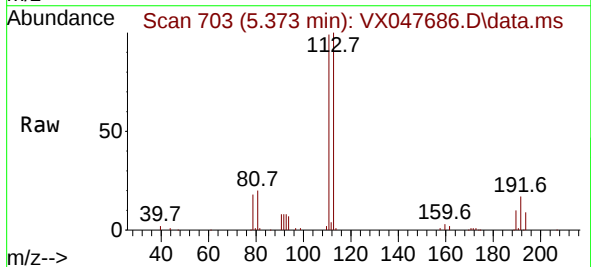
Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20250911

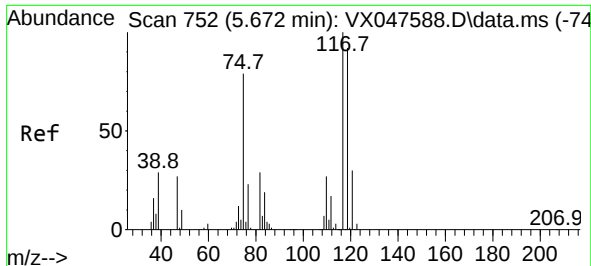
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	44.0
88	16.1	0.0	34.2



#35
Dibromofluoromethane
Concen: 48.681 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047686.D
Acq: 19 Sep 2025 18:42

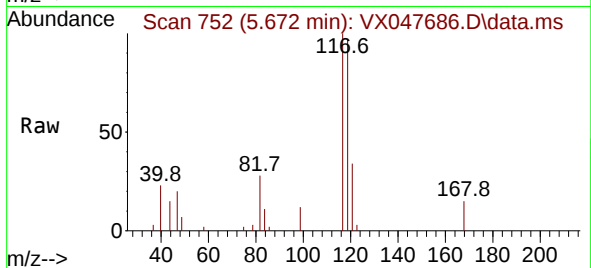
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	80.9	121.3
192	18.1	14.2	21.4



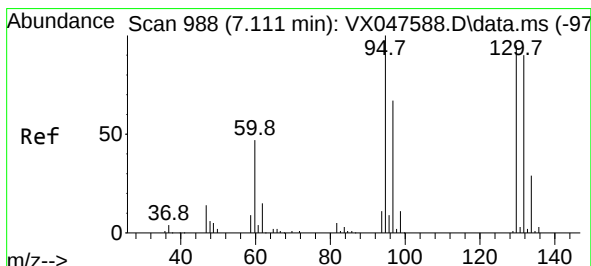
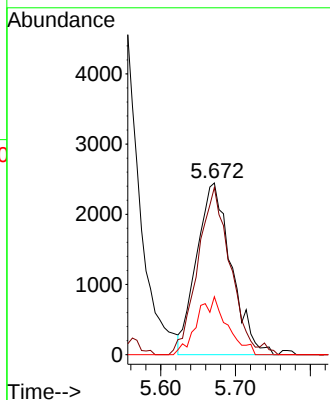
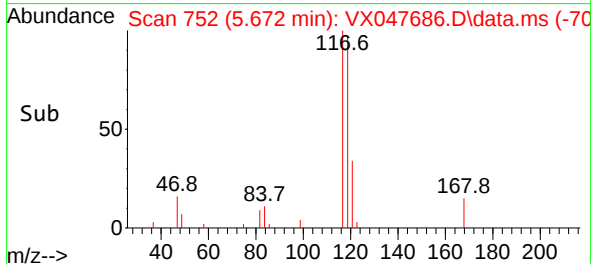


#38
Carbon Tetrachloride
Concen: 2.266 ug/l
RT: 5.672 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047686.D
Acq: 19 Sep 2025 18:42

Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20250911

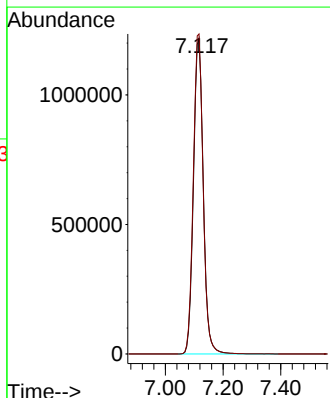
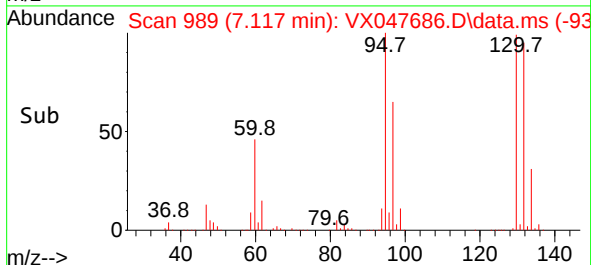
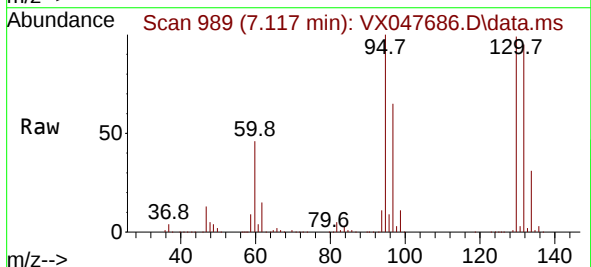


Tgt Ion:117 Resp: 7859
Ion Ratio Lower Upper
117 100
119 97.4 73.4 110.2
121 33.8 23.8 35.6



#44
Trichloroethene
Concen: 1229.366 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047686.D
Acq: 19 Sep 2025 18:42

Tgt Ion:130 Resp: 2881000
Ion Ratio Lower Upper
130 100
95 101.5 0.0 210.8

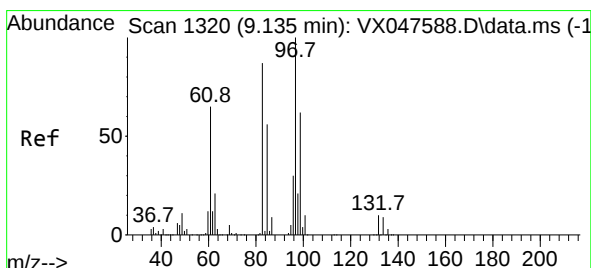
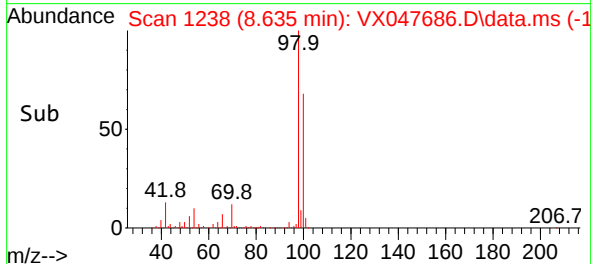
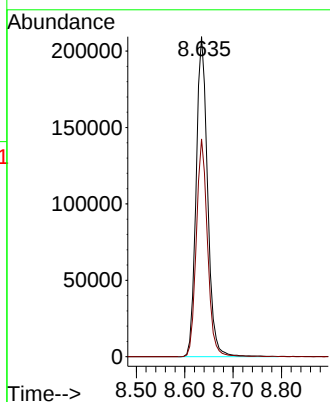
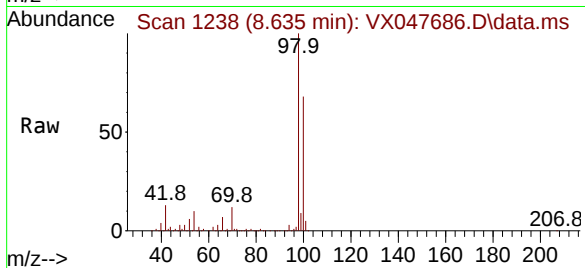




#50
Toluene-d8
Concen: 45.527 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047686.D
Acq: 19 Sep 2025 18:42

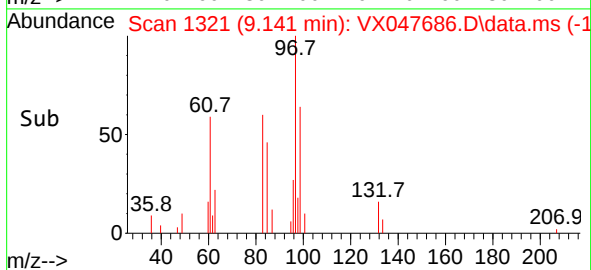
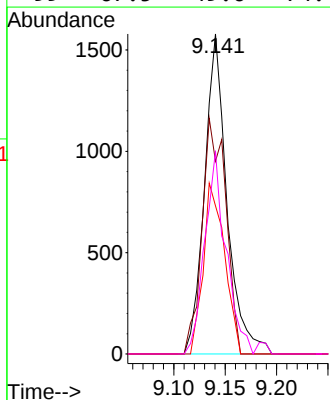
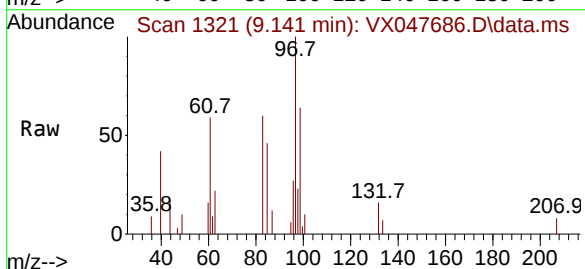
Instrument :
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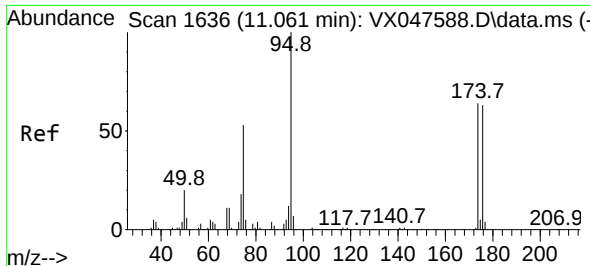
Tgt Ion: 98 Resp: 344065
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.4



#55
1,1,2-Trichloroethane
Concen: 1.047 ug/l
RT: 9.141 min Scan# 1321
Delta R.T. 0.006 min
Lab File: VX047686.D
Acq: 19 Sep 2025 18:42

Tgt Ion: 97 Resp: 2411
Ion Ratio Lower Upper
97 100
83 60.2 69.6 104.4#
85 46.3 45.0 67.6
99 67.5 49.6 74.4

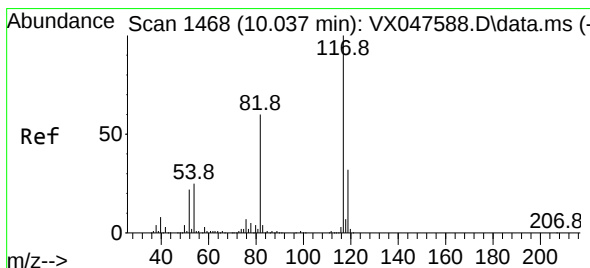
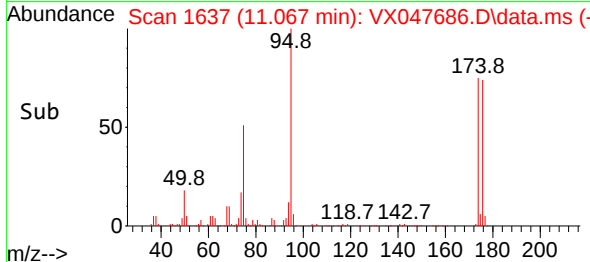
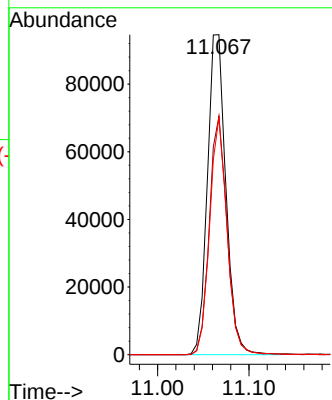
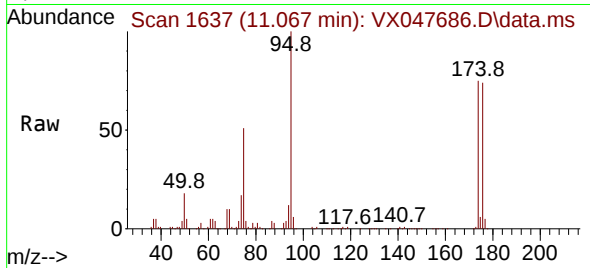




#62
4-Bromofluorobenzene
Concen: 46.279 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047686.D
Acq: 19 Sep 2025 18:42

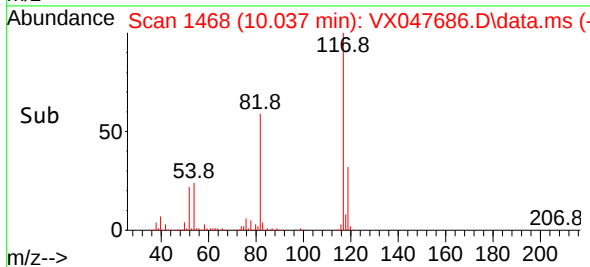
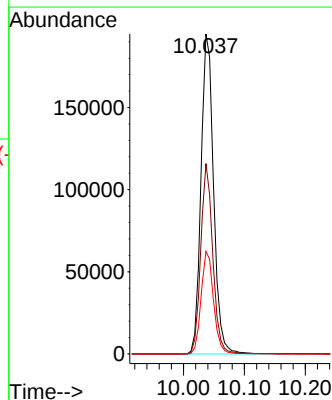
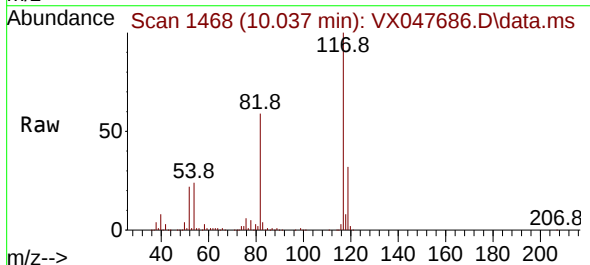
Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20250911

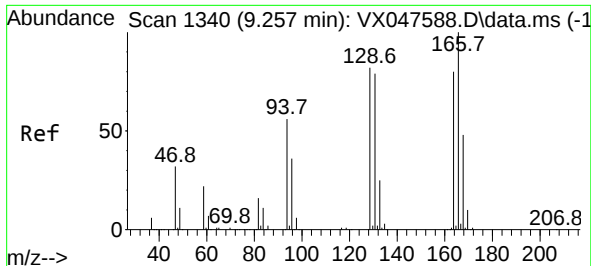
Tgt Ion: 95 Resp: 132736
Ion Ratio Lower Upper
95 100
174 71.6 0.0 141.6
176 69.5 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047686.D
Acq: 19 Sep 2025 18:42

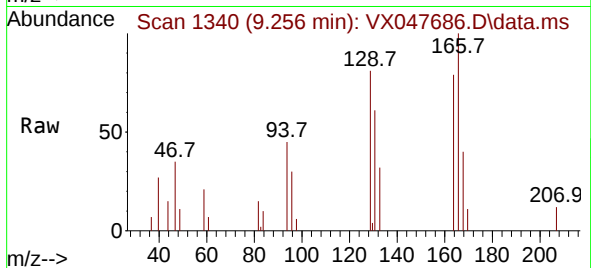
Tgt Ion: 117 Resp: 279784
Ion Ratio Lower Upper
117 100
82 59.5 47.8 71.6
119 32.1 25.2 37.8



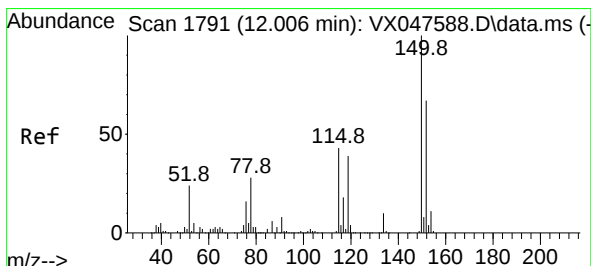
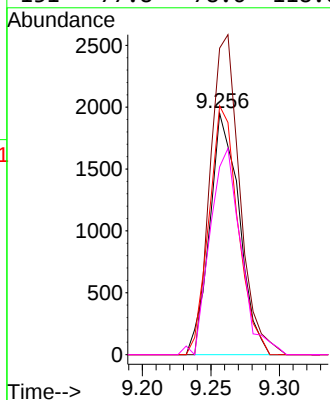
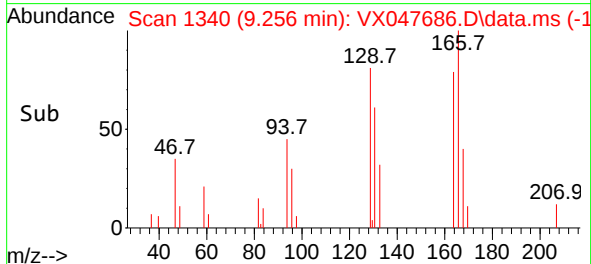


#64
Tetrachloroethene
Concen: 1.606 ug/l
RT: 9.256 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047686.D
Acq: 19 Sep 2025 18:42

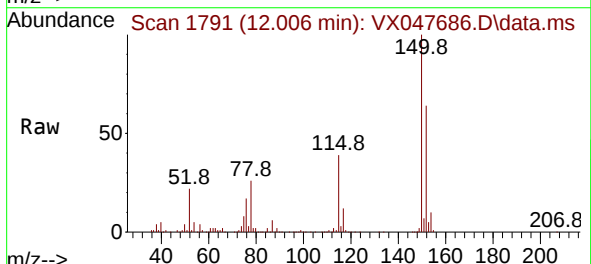
Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20250911



Tgt Ion:164 Resp: 2930
Ion Ratio Lower Upper
164 100
166 127.1 100.2 150.2
129 103.1 81.8 122.6
131 77.8 78.6 118.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047686.D
Acq: 19 Sep 2025 18:42



Tgt Ion:152 Resp: 134519
Ion Ratio Lower Upper
152 100
115 63.2 44.9 134.5
150 159.0 0.0 352.0

