

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
 Data File : VX047679.D
 Acq On : 19 Sep 2025 16:17
 Operator : JC/MD
 Sample : Q3097-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D2-20250911

Quant Time: Sep 20 00:34:27 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)

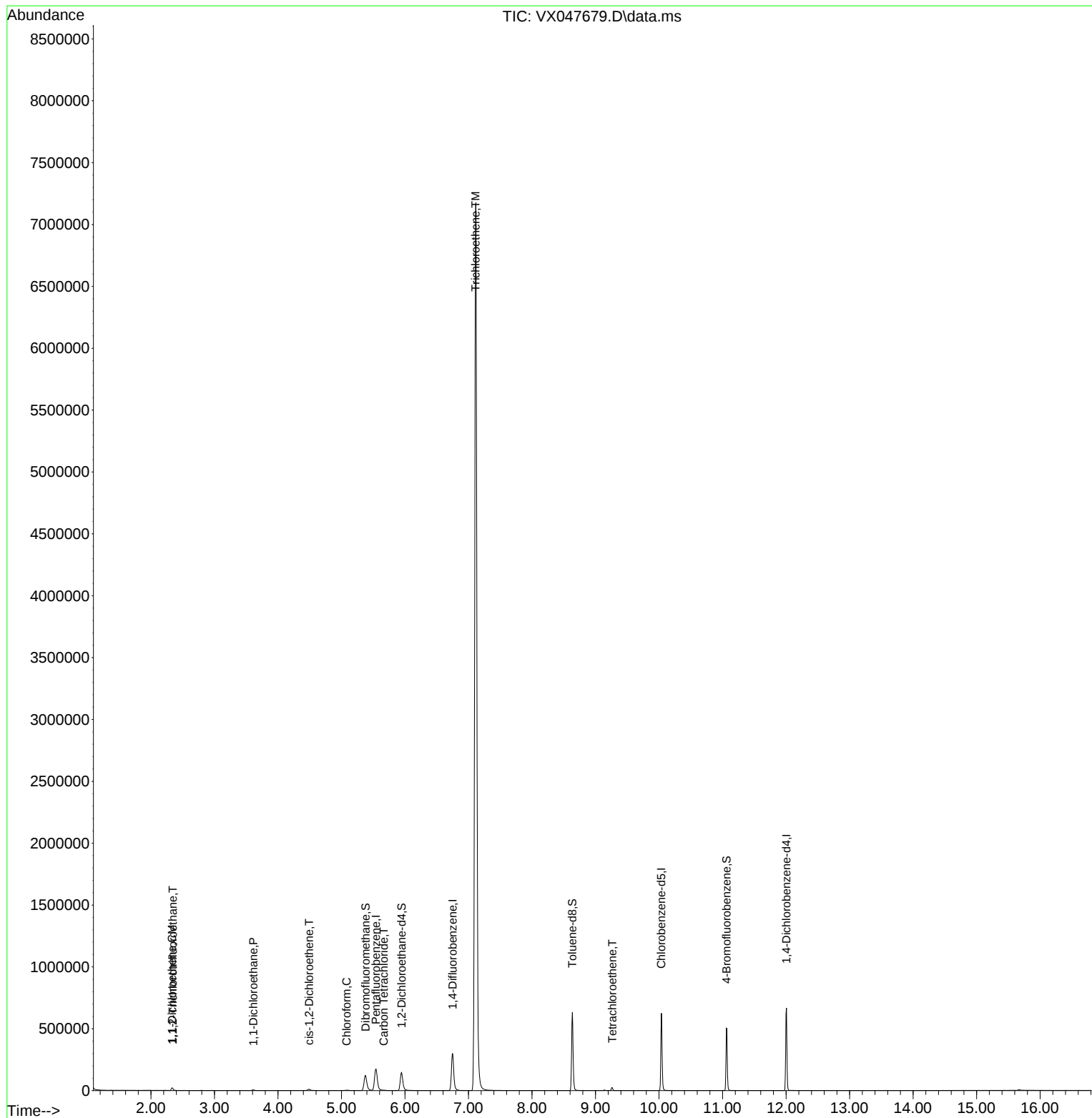
Internal Standards						
1) Pentafluorobenzene	5.544	168	180253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	329994	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	279542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	137704	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	157402	54.860	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 109.720%		
35) Dibromofluoromethane	5.379	113	118552	53.568	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 107.140%		
50) Toluene-d8	8.635	98	382375	49.933	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 99.860%		
62) 4-Bromofluorobenzene	11.061	95	149571	51.465	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 102.920%		
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.343	101	4559	2.187	ug/l	98
12) 1,1-Dichloroethene	2.331	96	5262	2.457	ug/l	96
24) 1,1-Dichloroethane	3.611	63	7030	1.544	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	7496	2.655	ug/l	89
30) Chloroform	5.080	83	4859	1.056	ug/l #	77
38) Carbon Tetrachloride	5.666	117	2098	0.597	ug/l #	84
44) Trichloroethene	7.111	130	3014300	1269.373	ug/l	96
64) Tetrachloroethene	9.263	164	4744	2.603	ug/l	91

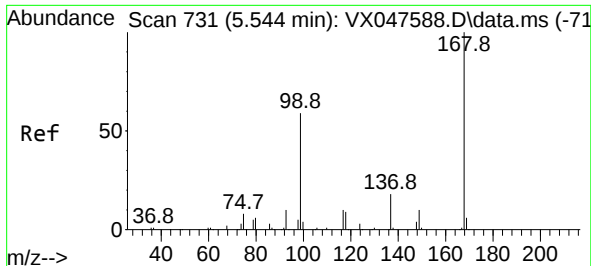
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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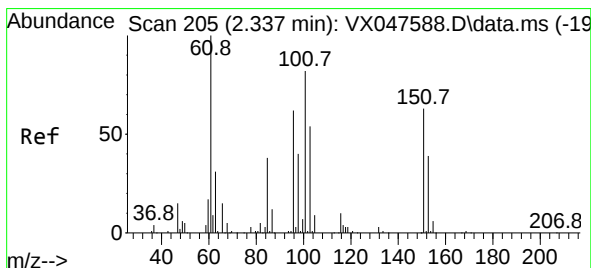
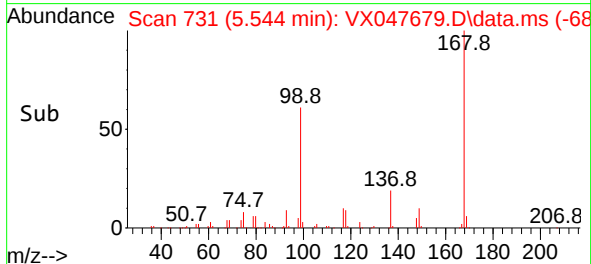
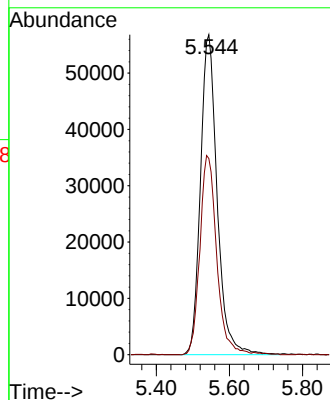
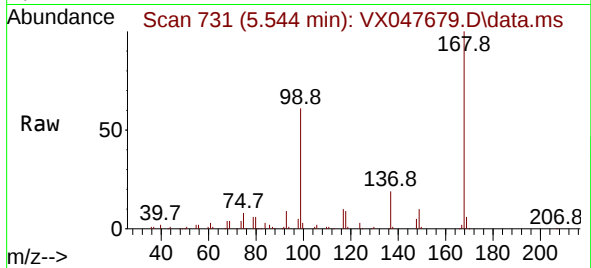




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047679.D
Acq: 19 Sep 2025 16:17

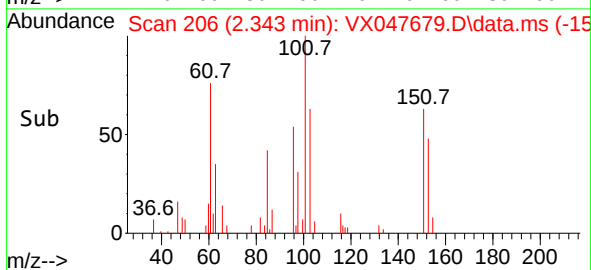
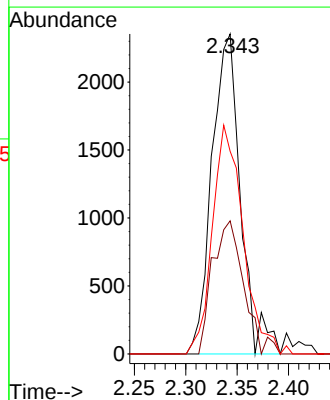
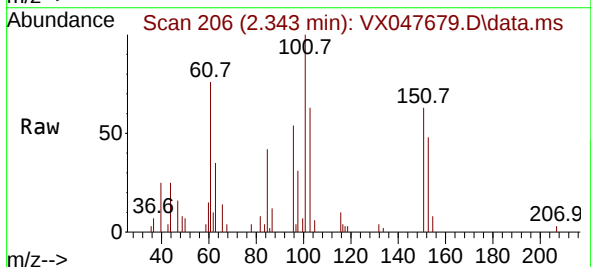
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20250911

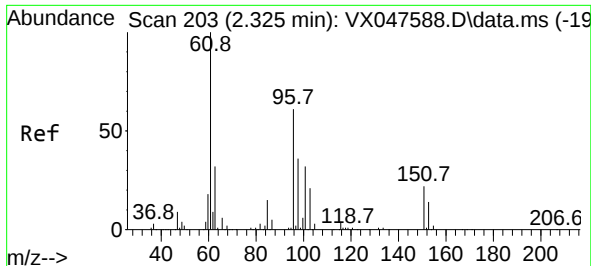
Tgt Ion:168 Resp: 180253
Ion Ratio Lower Upper
168 100
99 61.3 48.8 73.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.187 ug/l
RT: 2.343 min Scan# 206
Delta R.T. 0.006 min
Lab File: VX047679.D
Acq: 19 Sep 2025 16:17

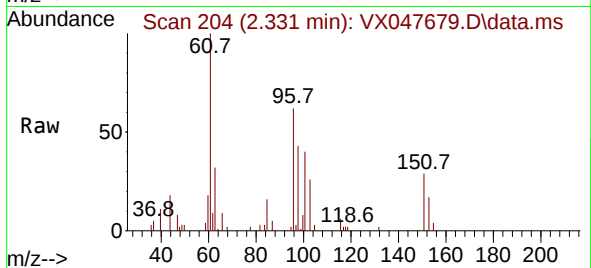
Tgt Ion:101 Resp: 4559
Ion Ratio Lower Upper
101 100
85 45.5 35.5 53.3
151 76.6 59.4 89.0





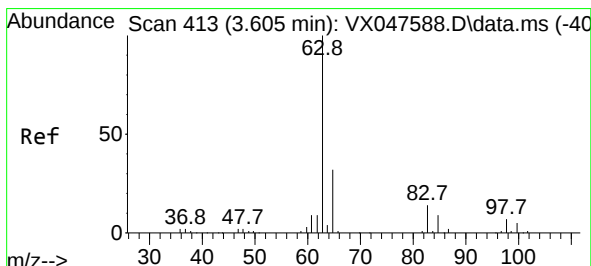
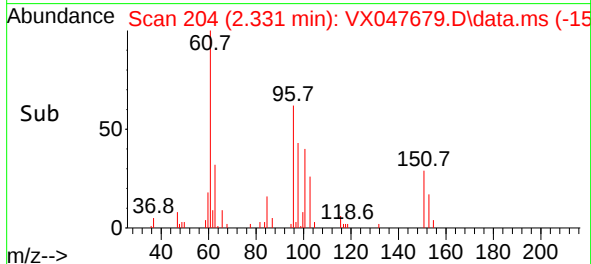
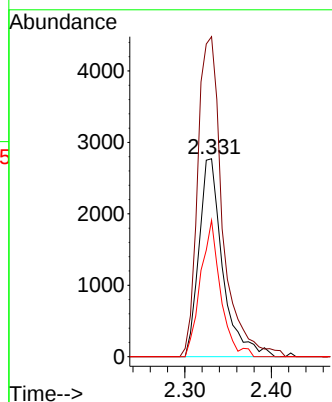
#12
 1,1-Dichloroethene
 Concen: 2.457 ug/l
 RT: 2.331 min Scan# 203
 Delta R.T. 0.006 min
 Lab File: VX047679.D
 Acq: 19 Sep 2025 16:17

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D2-20250911



Tgt Ion: 96 Resp: 5262

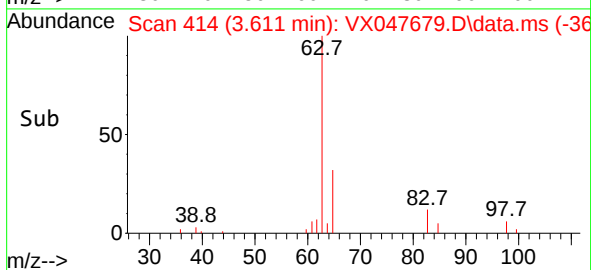
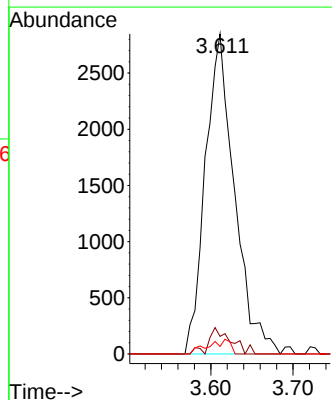
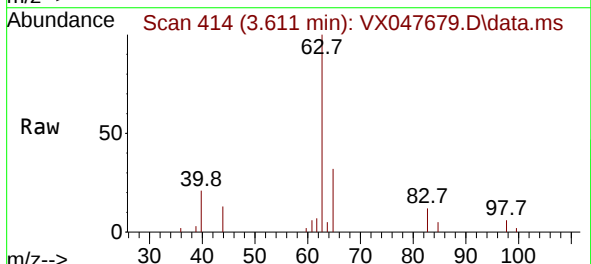
Ion	Ratio	Lower	Upper
96	100		
61	161.7	131.0	196.6
98	68.9	47.7	71.5

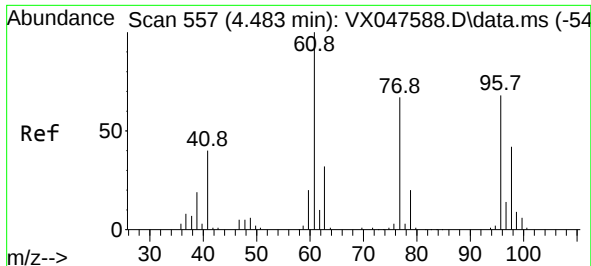


#24
 1,1-Dichloroethane
 Concen: 1.544 ug/l
 RT: 3.611 min Scan# 414
 Delta R.T. 0.006 min
 Lab File: VX047679.D
 Acq: 19 Sep 2025 16:17

Tgt Ion: 63 Resp: 7030

Ion	Ratio	Lower	Upper
63	100		
98	5.5	3.8	11.2
100	2.4	2.3	6.9





#27

cis-1,2-Dichloroethene

Concen: 2.655 ug/l

RT: 4.489 min Scan# 557

Delta R.T. 0.006 min

Lab File: VX047679.D

Acq: 19 Sep 2025 16:17

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20250911

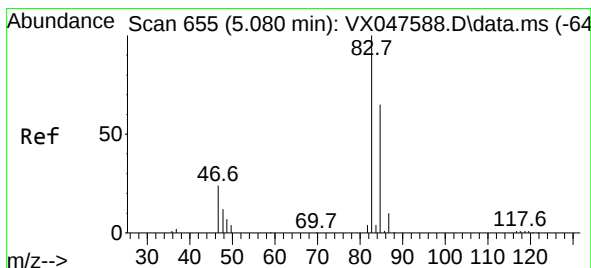
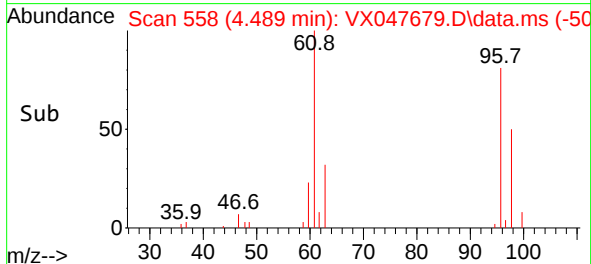
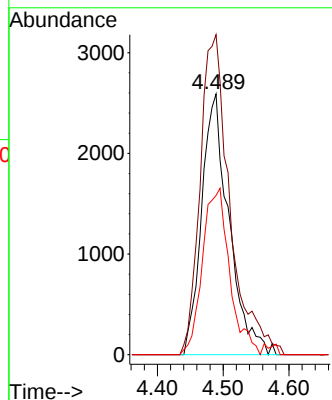
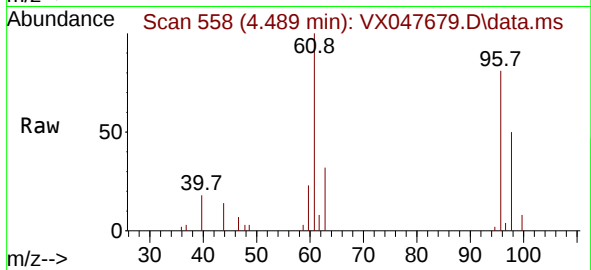
Tgt Ion: 96 Resp: 7496

Ion Ratio Lower Upper

96 100

61 133.0 0.0 303.2

98 63.3 0.0 127.8



#30

Chloroform

Concen: 1.056 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.000 min

Lab File: VX047679.D

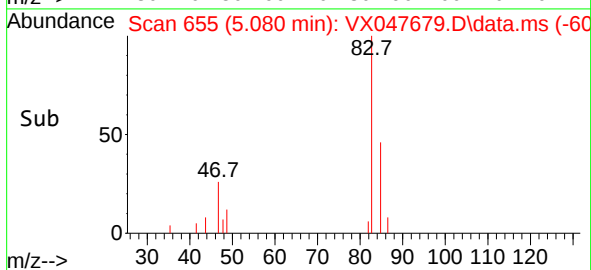
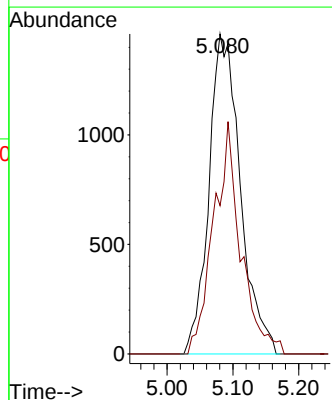
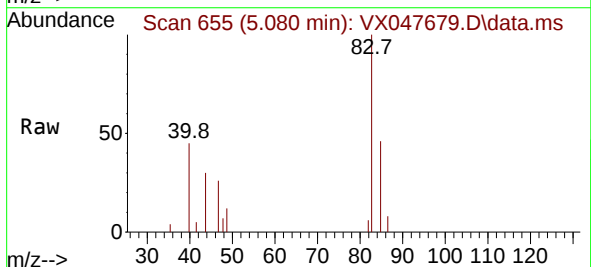
Acq: 19 Sep 2025 16:17

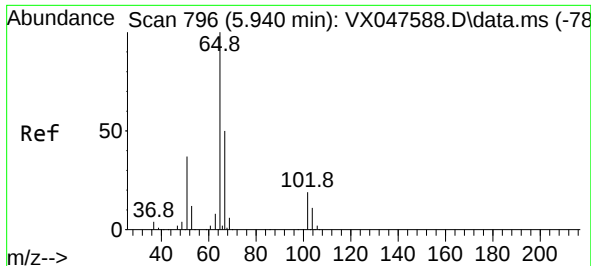
Tgt Ion: 83 Resp: 4859

Ion Ratio Lower Upper

83 100

85 46.3 51.8 77.6#





#33

1,2-Dichloroethane-d4

Concen: 54.860 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047679.D

Acq: 19 Sep 2025 16:17

Instrument :

MSVOA_X

ClientSampleId :

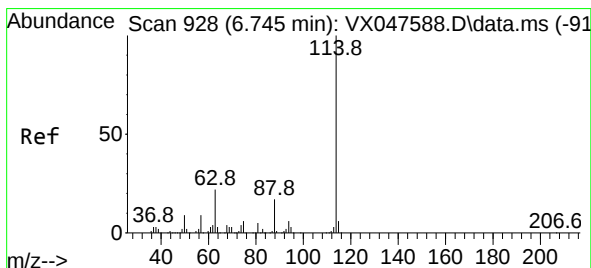
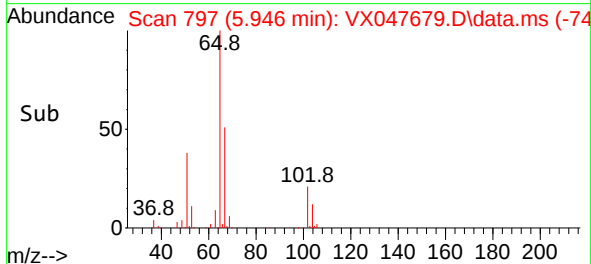
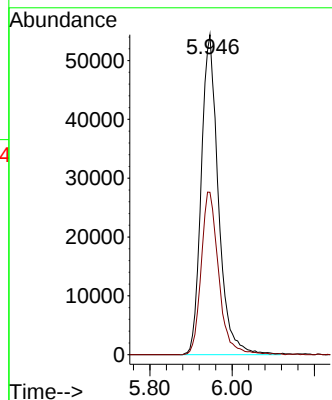
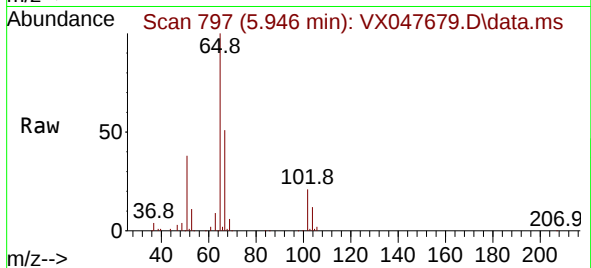
RE108D2-20250911

Tgt Ion: 65 Resp: 157402

Ion Ratio Lower Upper

65 100

67 52.1 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: VX047679.D

Acq: 19 Sep 2025 16:17

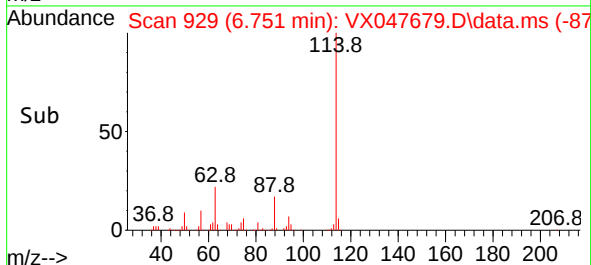
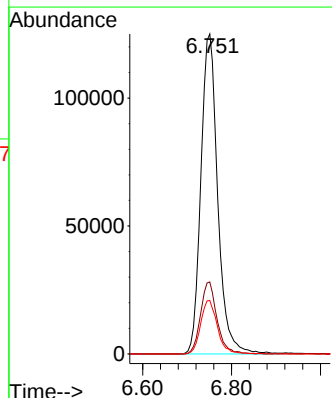
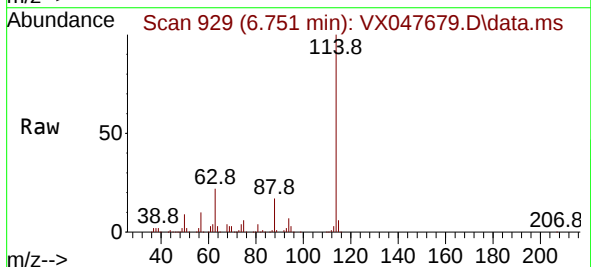
Tgt Ion: 114 Resp: 329994

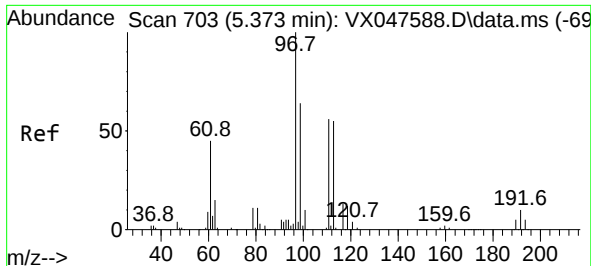
Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.0

88 16.7 0.0 34.2

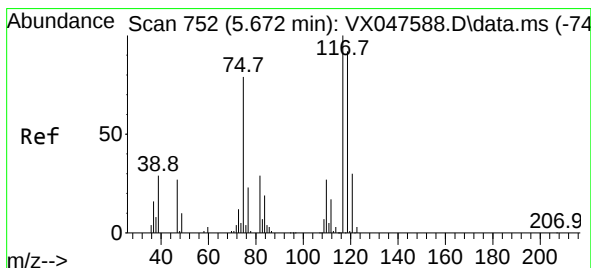
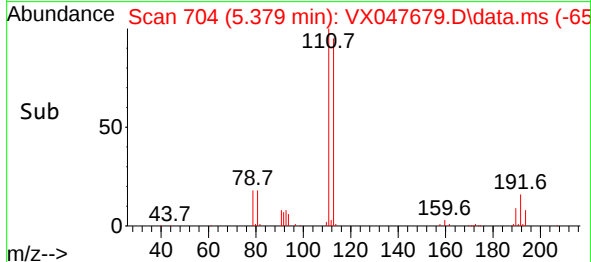
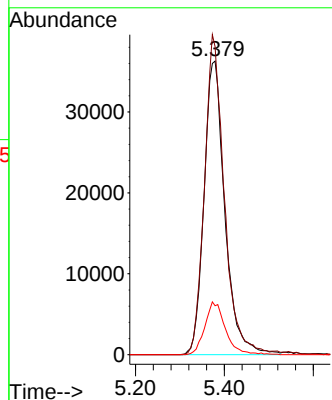
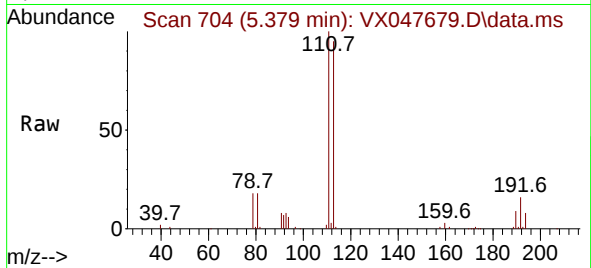




#35
Dibromofluoromethane
Concen: 53.568 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX047679.D
Acq: 19 Sep 2025 16:17

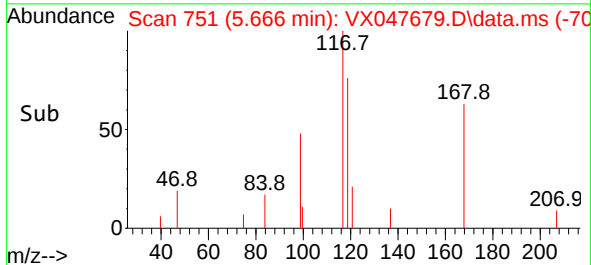
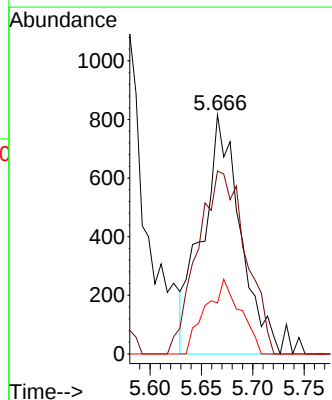
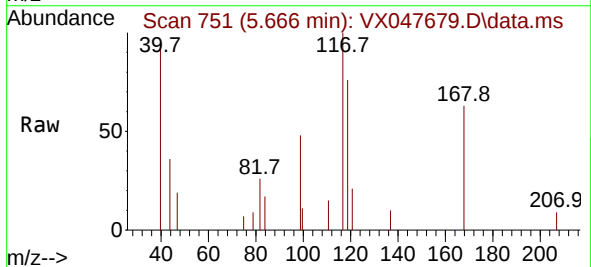
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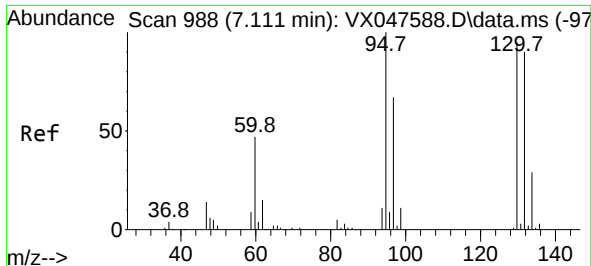
Tgt Ion:113 Resp: 118552
Ion Ratio Lower Upper
113 100
111 104.0 80.9 121.3
192 17.9 14.2 21.4



#38
Carbon Tetrachloride
Concen: 0.597 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047679.D
Acq: 19 Sep 2025 16:17

Tgt Ion:117 Resp: 2098
Ion Ratio Lower Upper
117 100
119 76.5 73.4 110.2
121 21.3 23.8 35.6#

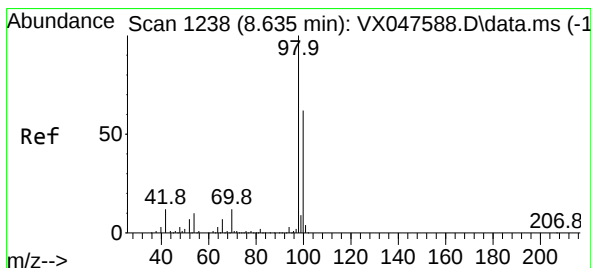
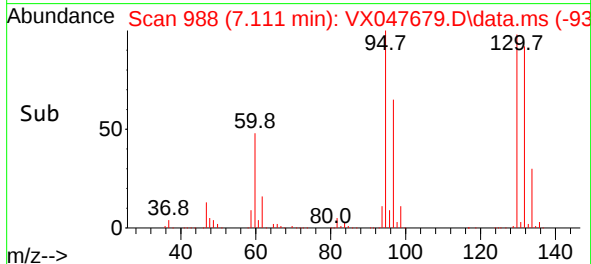
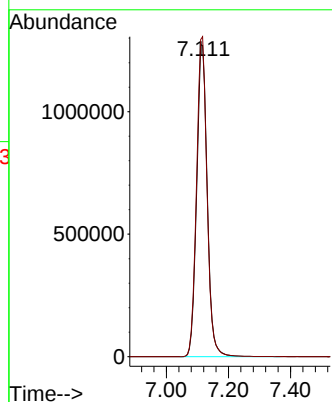
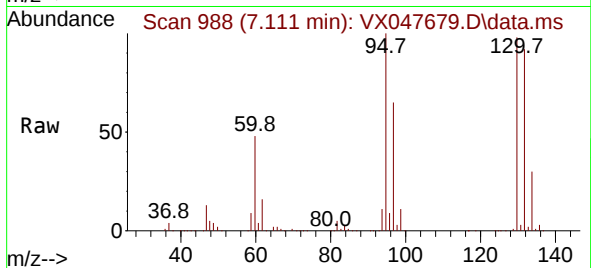




#44
Trichloroethene
Concen: 1269.373 ug/l
RT: 7.111 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX047679.D
Acq: 19 Sep 2025 16:17

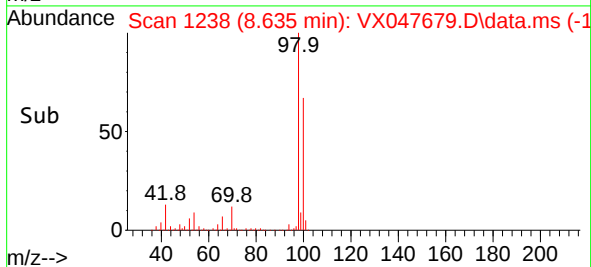
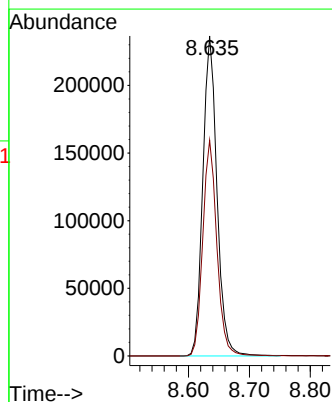
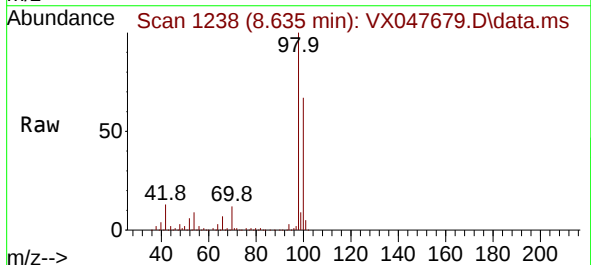
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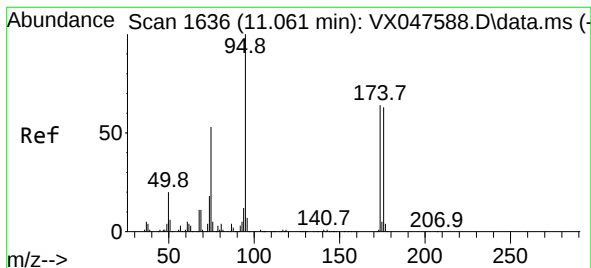
Tgt Ion:130 Resp: 3014300
Ion Ratio Lower Upper
130 100
95 101.6 0.0 210.8



#50
Toluene-d8
Concen: 49.933 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047679.D
Acq: 19 Sep 2025 16:17

Tgt Ion: 98 Resp: 382375
Ion Ratio Lower Upper
98 100
100 67.0 53.0 79.4

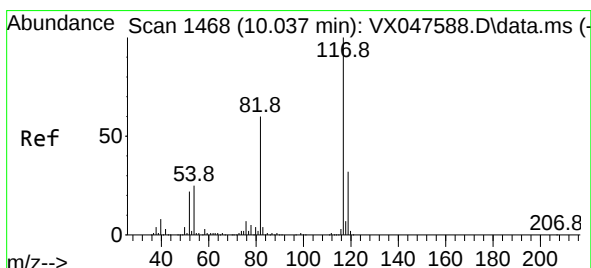
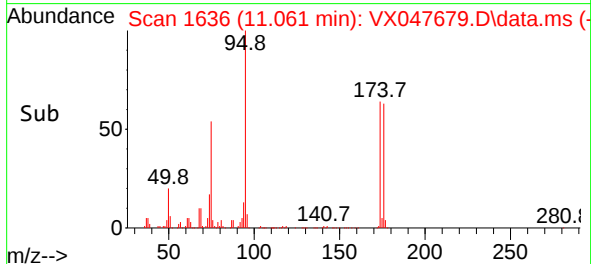
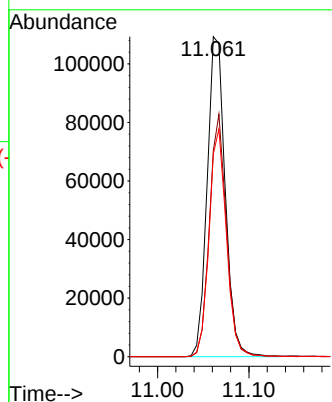
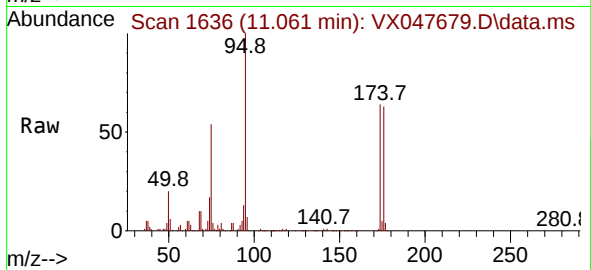




#62
4-Bromofluorobenzene
Concen: 51.465 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047679.D
Acq: 19 Sep 2025 16:17

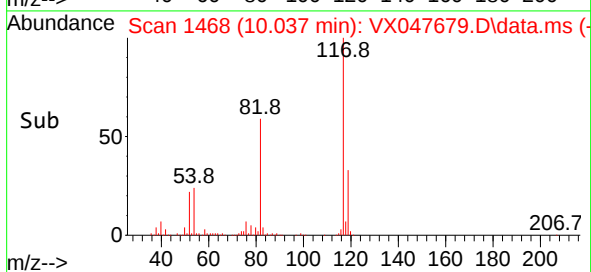
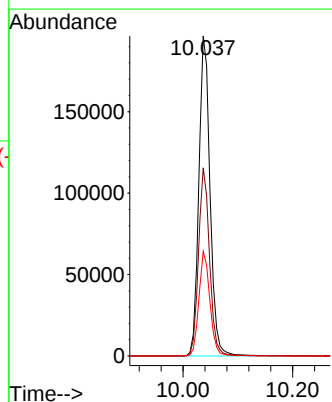
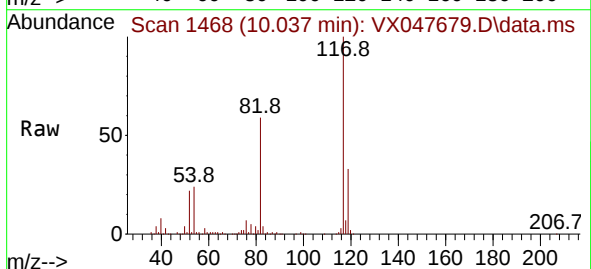
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20250911

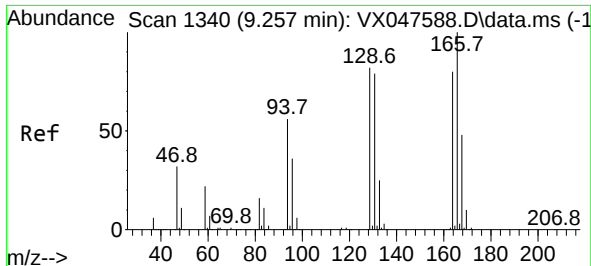
Tgt Ion: 95 Resp: 149571
Ion Ratio Lower Upper
95 100
174 71.7 0.0 141.6
176 68.2 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047679.D
Acq: 19 Sep 2025 16:17

Tgt Ion: 117 Resp: 279542
Ion Ratio Lower Upper
117 100
82 58.8 47.8 71.6
119 32.7 25.2 37.8

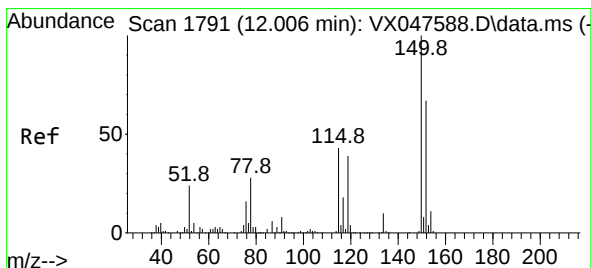
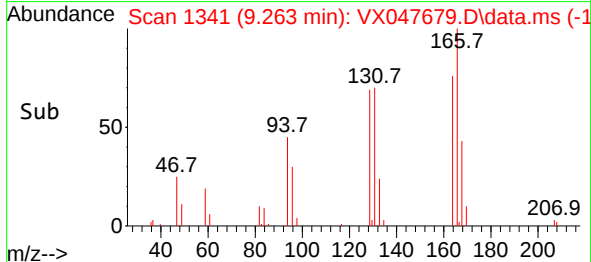
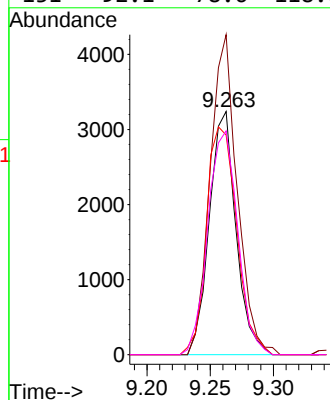
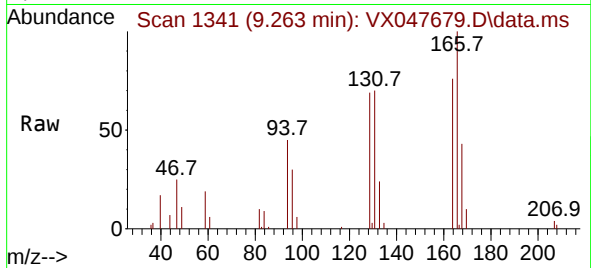




#64
Tetrachloroethene
Concen: 2.603 ug/l
RT: 9.263 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047679.D
Acq: 19 Sep 2025 16:17

Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20250911

Tgt Ion:164	Resp:	4744	
Ion	Ratio	Lower	Upper
164	100		
166	134.2	100.2	150.2
129	90.3	81.8	122.6
131	92.1	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: VX047679.D
Acq: 19 Sep 2025 16:17

Tgt Ion:152	Resp:	137704	
Ion	Ratio	Lower	Upper
152	100		
115	62.7	44.9	134.5
150	158.8	0.0	352.0

