

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
 Data File : VX045329.D
 Acq On : 18 Mar 2025 16:47
 Operator : JC/MD
 Sample : Q1559-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D3-20250312

Quant Time: Mar 19 01:47:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

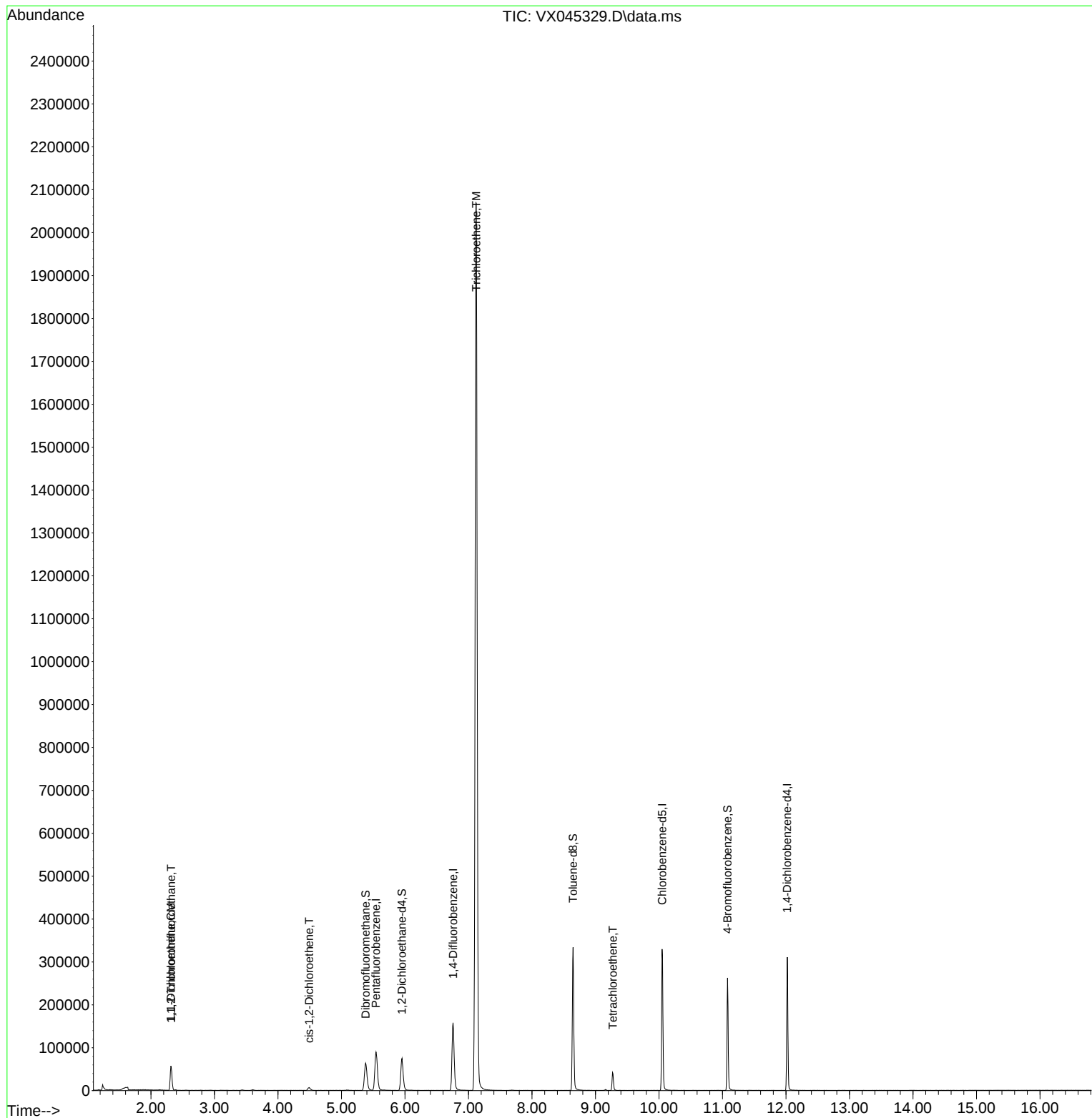
Internal Standards						
1) Pentafluorobenzene	5.544	168	80658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	155733	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	140928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58620	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70329	54.817	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.640%	
35) Dibromofluoromethane	5.379	113	54846	52.668	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.340%	
50) Toluene-d8	8.647	98	190937	50.576	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.160%	
62) 4-Bromofluorobenzene	11.079	95	68196	54.513	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 109.020%	
Target Compounds						
						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	15497	16.531	ug/l	96
12) 1,1-Dichloroethene	2.313	96	7525	7.592	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	4238	3.506	ug/l	95
44) Trichloroethene	7.123	130	770419	727.567	ug/l	100
64) Tetrachloroethene	9.275	164	7538	8.352	ug/l	97

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

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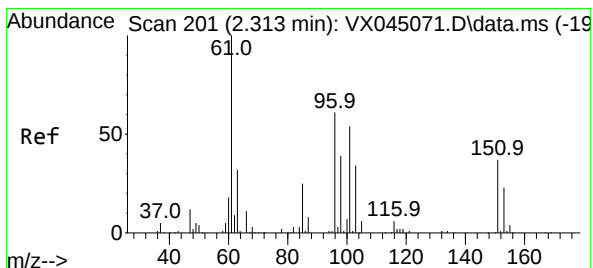
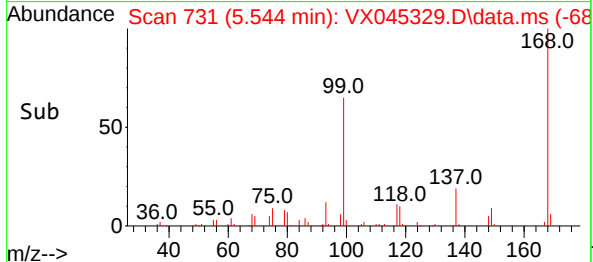
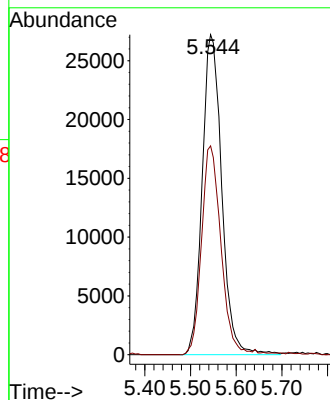
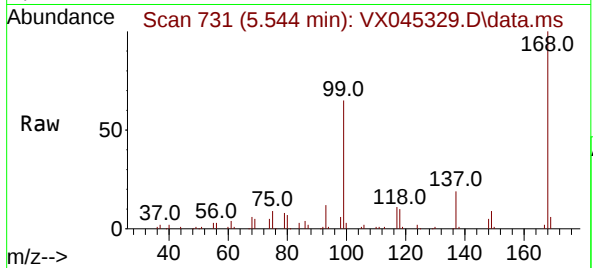




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045329.D
Acq: 18 Mar 2025 16:47

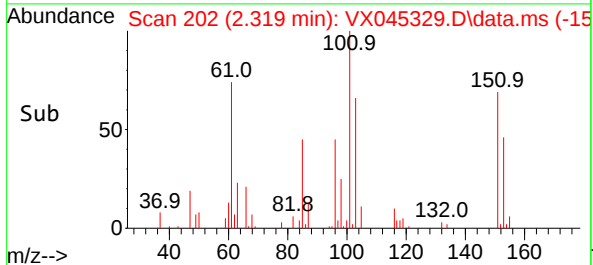
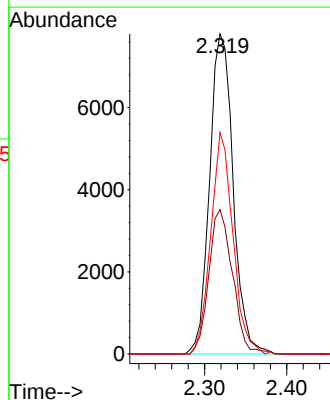
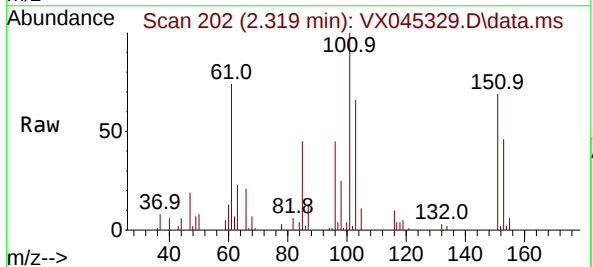
Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250312

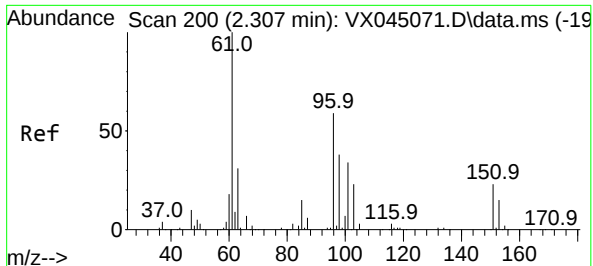
Tgt Ion:168 Resp: 80658
Ion Ratio Lower Upper
168 100
99 65.3 48.2 72.4



#9
1,1,2-Trichlorotrifluoroethane
Concen: 16.531 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045329.D
Acq: 18 Mar 2025 16:47

Tgt Ion:101 Resp: 15497
Ion Ratio Lower Upper
101 100
85 45.4 36.2 54.4
151 65.3 56.4 84.6





#12

1,1-Dichloroethene

Concen: 7.592 ug/l

RT: 2.313 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX045329.D

Acq: 18 Mar 2025 16:47

Instrument :

MSVOA_X

ClientSampleId :

RE120D3-20250312

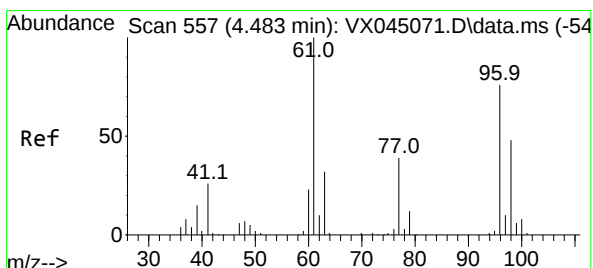
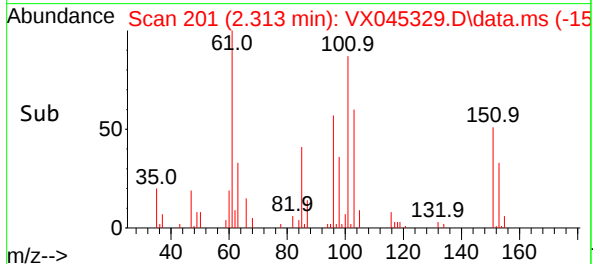
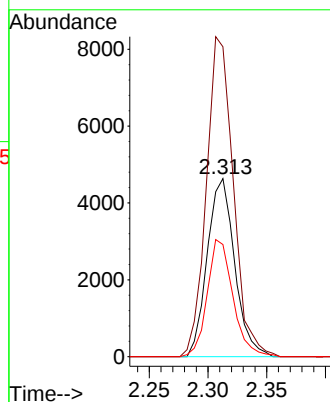
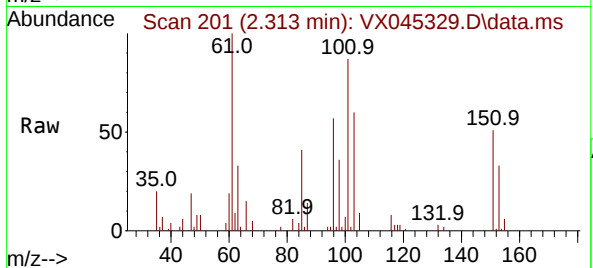
Tgt Ion: 96 Resp: 7525

Ion Ratio Lower Upper

96 100

61 174.1 134.6 202.0

98 63.0 51.0 76.6



#27

cis-1,2-Dichloroethene

Concen: 3.506 ug/l

RT: 4.489 min Scan# 558

Delta R.T. 0.006 min

Lab File: VX045329.D

Acq: 18 Mar 2025 16:47

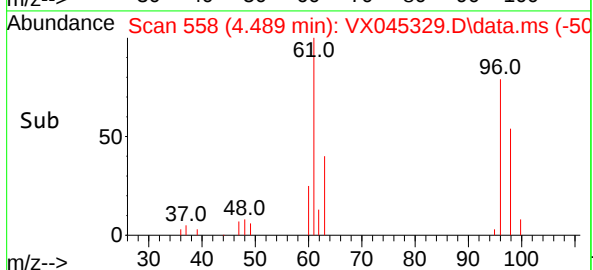
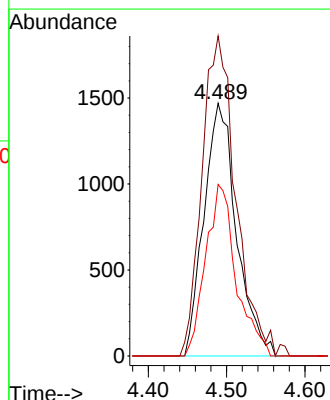
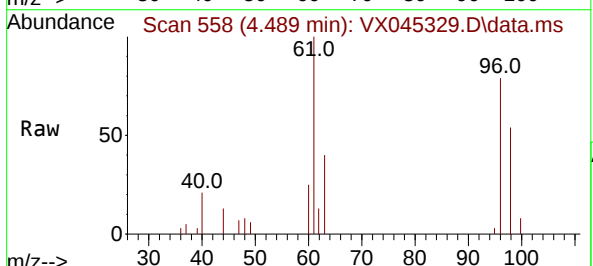
Tgt Ion: 96 Resp: 4238

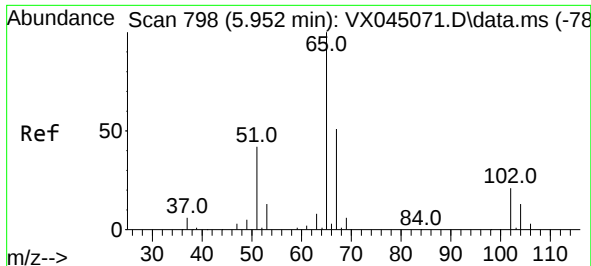
Ion Ratio Lower Upper

96 100

61 132.5 0.0 283.2

98 63.5 0.0 128.0

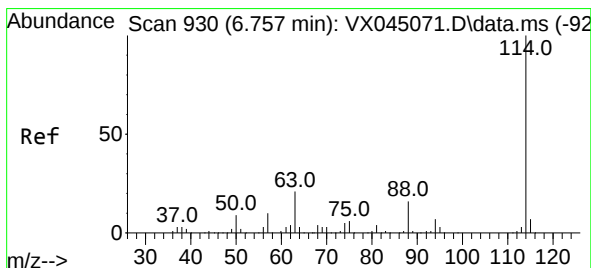
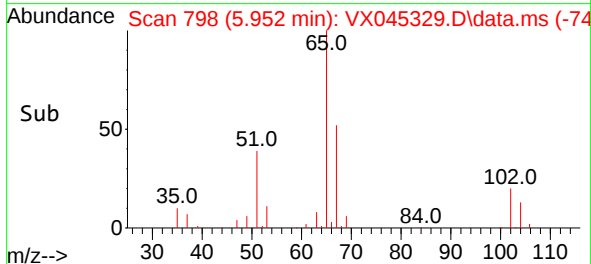
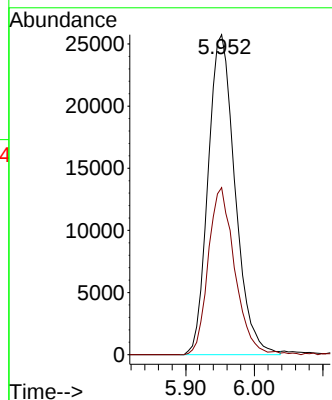
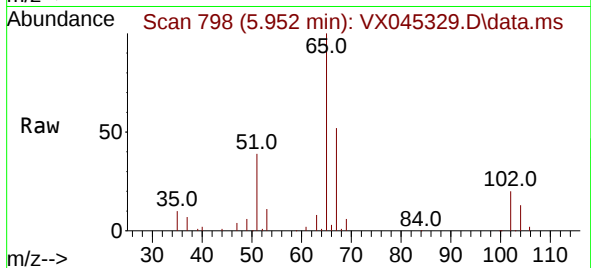




#33
 1,2-Dichloroethane-d4
 Concen: 54.817 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX045329.D
 Acq: 18 Mar 2025 16:47

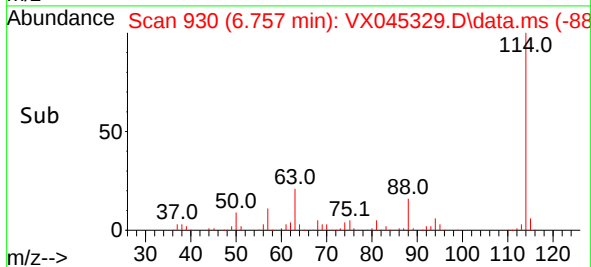
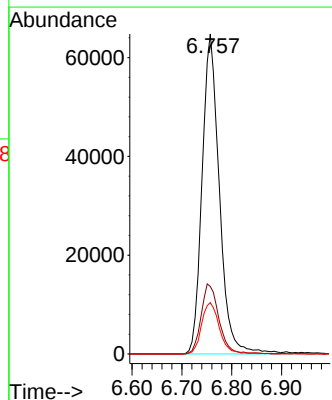
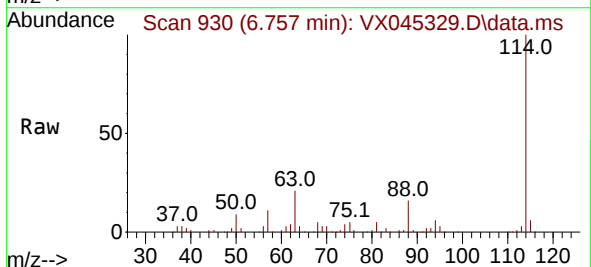
Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D3-20250312

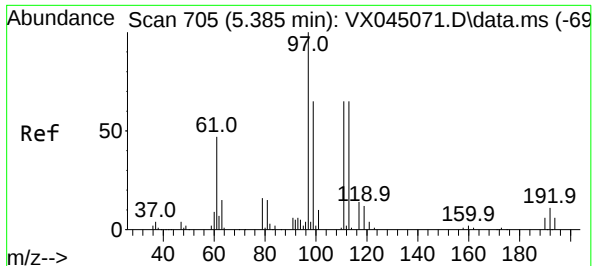
Tgt Ion: 65 Resp: 70329
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX045329.D
 Acq: 18 Mar 2025 16:47

Tgt Ion: 114 Resp: 155733
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 41.8
 88 16.1 0.0 32.8

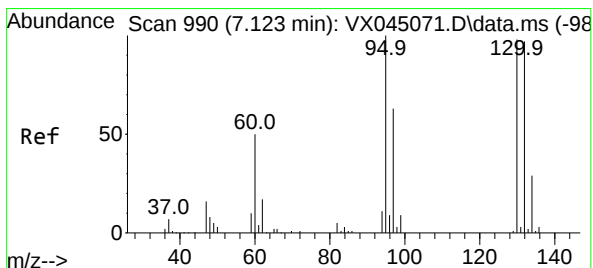
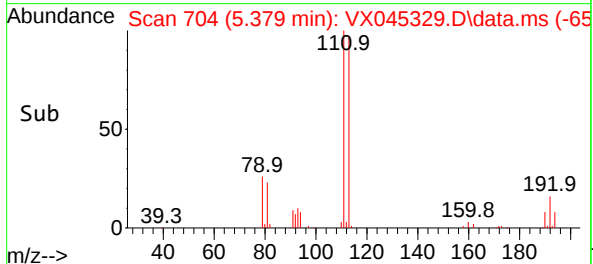
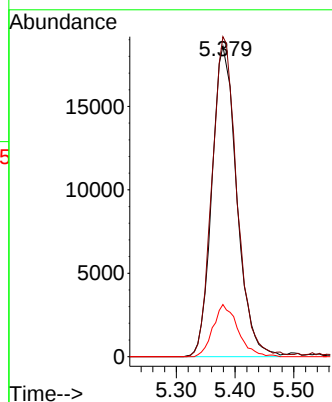
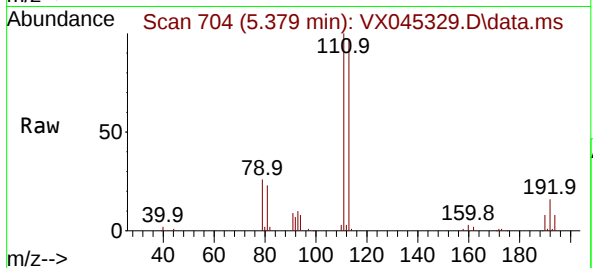




#35
Dibromofluoromethane
Concen: 52.668 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX045329.D
Acq: 18 Mar 2025 16:47

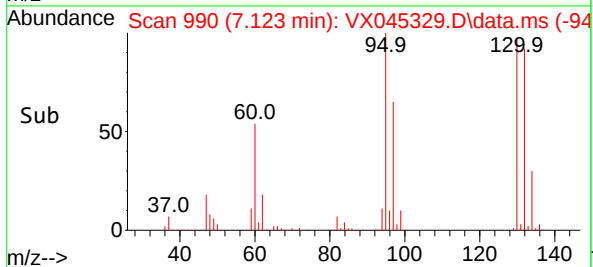
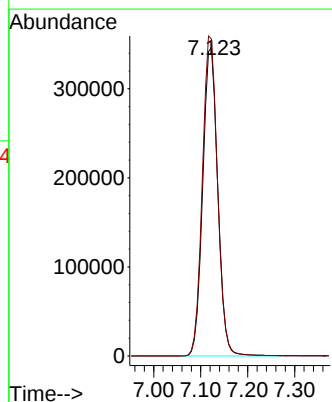
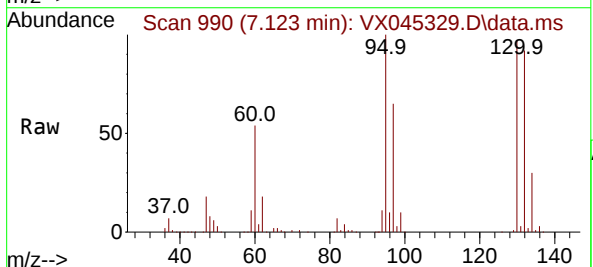
Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250312

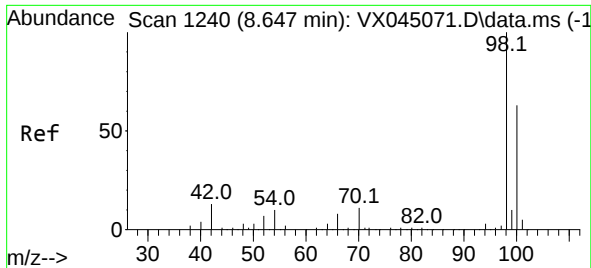
Tgt Ion:113 Resp: 54846
Ion Ratio Lower Upper
113 100
111 102.9 81.8 122.6
192 16.8 14.3 21.5



#44
Trichloroethene
Concen: 727.567 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045329.D
Acq: 18 Mar 2025 16:47

Tgt Ion:130 Resp: 770419
Ion Ratio Lower Upper
130 100
95 102.9 0.0 205.0

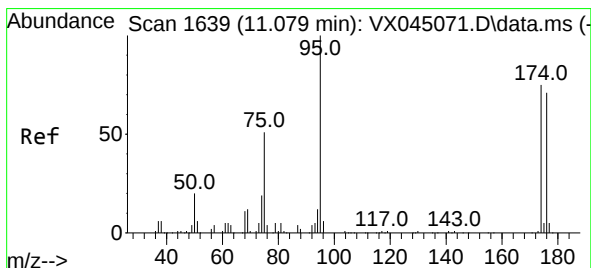
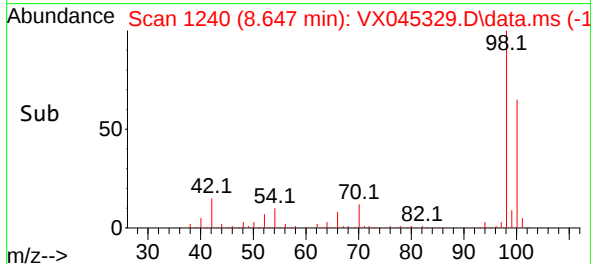
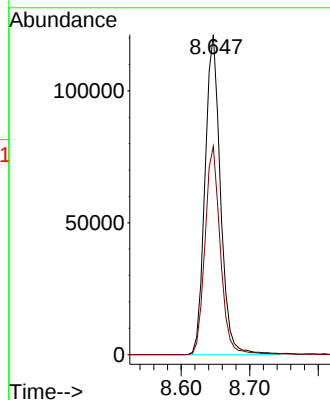
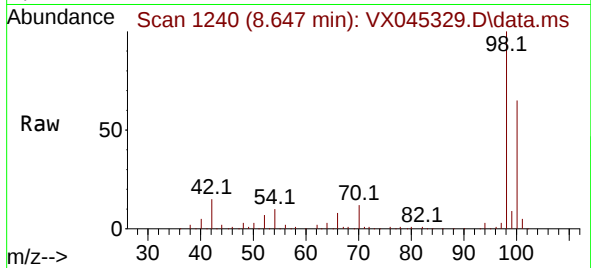




#50
Toluene-d8
Concen: 50.576 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045329.D
Acq: 18 Mar 2025 16:47

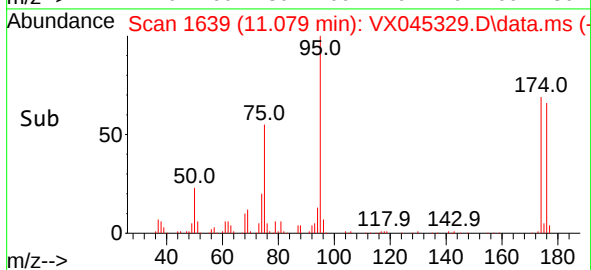
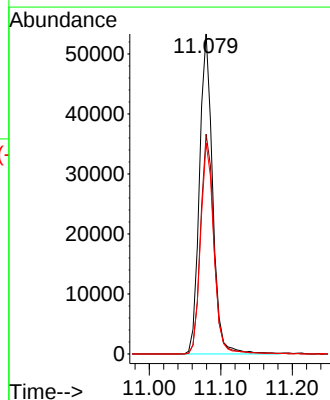
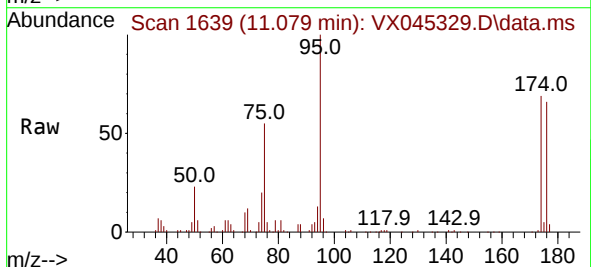
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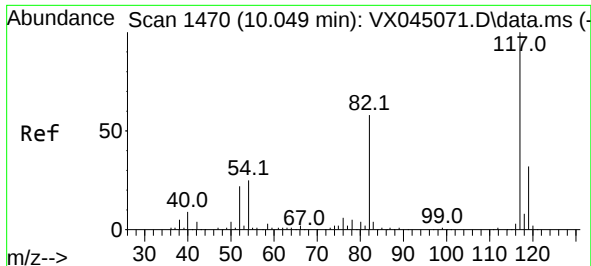
Tgt Ion: 98 Resp: 190937
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 54.513 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045329.D
Acq: 18 Mar 2025 16:47

Tgt Ion: 95 Resp: 68196
Ion Ratio Lower Upper
95 100
174 69.9 0.0 148.2
176 66.6 0.0 141.4

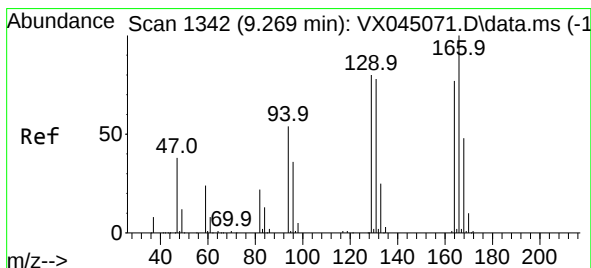
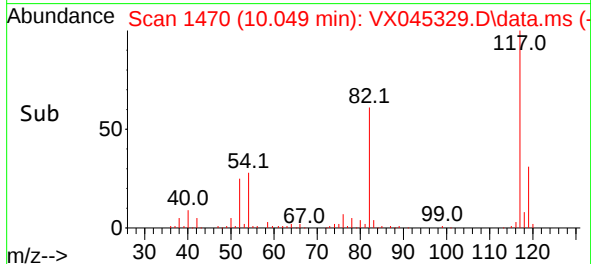
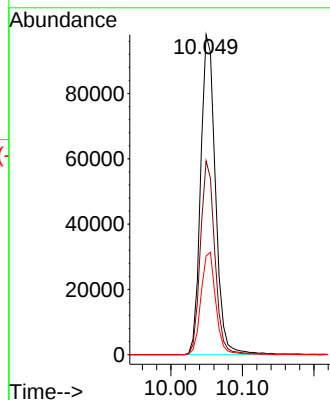
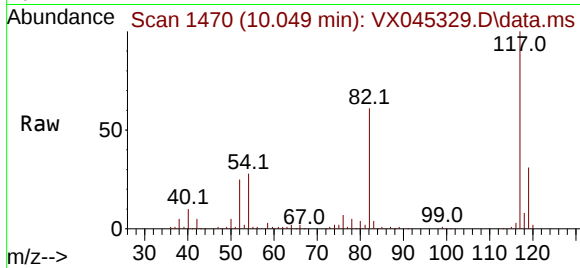




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045329.D
Acq: 18 Mar 2025 16:47

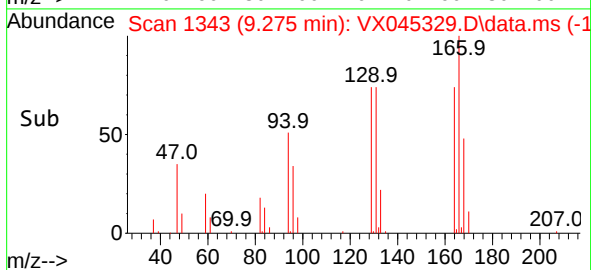
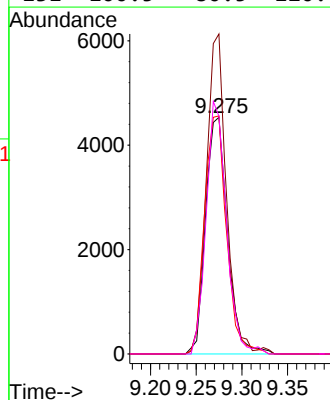
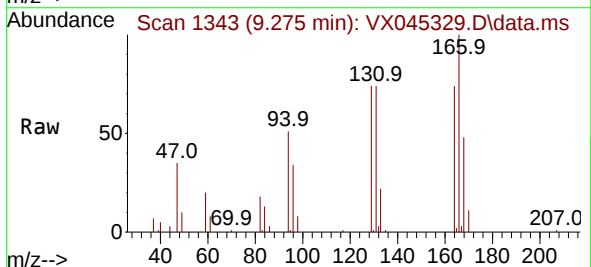
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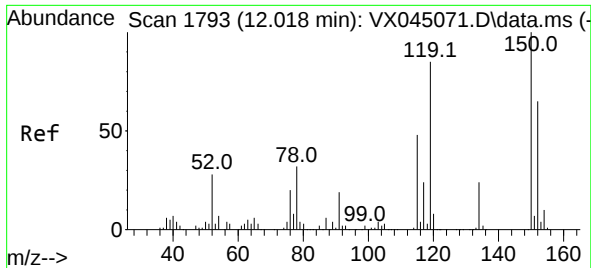
Tgt Ion:117 Resp: 140928
Ion Ratio Lower Upper
117 100
82 60.5 46.3 69.5
119 30.9 25.7 38.5



#64
Tetrachloroethene
Concen: 8.352 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045329.D
Acq: 18 Mar 2025 16:47

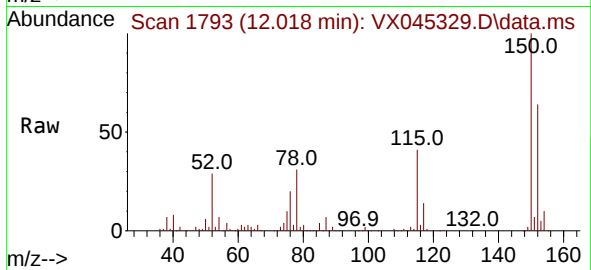
Tgt Ion:164 Resp: 7538
Ion Ratio Lower Upper
164 100
166 135.3 103.6 155.4
129 100.6 82.7 124.1
131 100.5 80.5 120.7





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX045329.D
 Acq: 18 Mar 2025 16:47

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D3-20250312



Tgt Ion:152 Resp: 58620
 Ion Ratio Lower Upper
 152 100
 115 62.3 44.2 132.6
 150 157.7 0.0 349.0

