

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
 Data File : VX045390.D
 Acq On : 21 Mar 2025 16:01
 Operator : JC/MD
 Sample : Q1582-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE117D1-20250313

Quant Time: Mar 21 23:17:12 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)

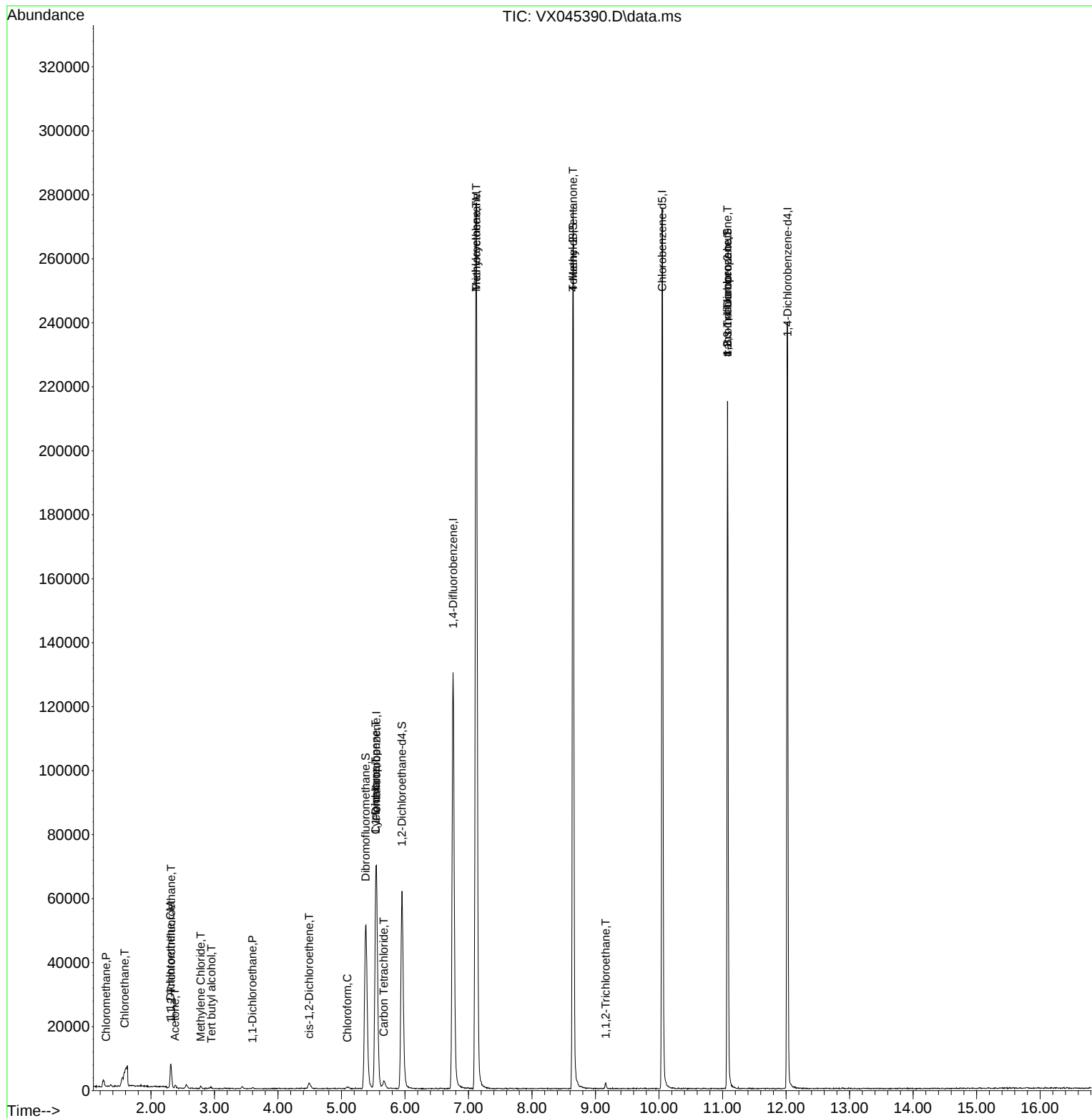
Internal Standards						
1) Pentafluorobenzene	5.550	168	63852	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	125973	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	116271	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	46151	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59005	58.095	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	116.200%
35) Dibromofluoromethane	5.379	113	45337	53.822	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.640%
50) Toluene-d8	8.647	98	159070	52.089	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.180%
62) 4-Bromofluorobenzene	11.079	95	53287	52.658	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	105.320%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	211	0.215	ug/l #	43
6) Chloroethane	1.587	64	102	0.227	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	2.319	101	1325	1.785	ug/l	92
11) Tert butyl alcohol	2.953	59	116	0.603	ug/l #	73
12) 1,1-Dichloroethene	2.306	96	1639	2.089	ug/l	95
16) Acetone	2.380	43	1213	2.574	ug/l #	77
20) Methylene Chloride	2.782	84	287	0.307	ug/l	94
24) 1,1-Dichloroethane	3.599	63	364	0.229	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	1231	1.286	ug/l	98
30) Chloroform	5.092	83	798	0.505	ug/l	99
31) Cyclohexane	5.537	56	1786	1.292	ug/l #	41
36) 1,1-Dichloropropene	5.537	75	5876	5.087	ug/l #	50
38) Carbon Tetrachloride	5.665	117	1874	1.598	ug/l #	88
39) Methylcyclohexane	7.123	83	1533	1.108	ug/l #	1
44) Trichloroethene	7.123	130	101748	118.789	ug/l	95
51) 4-Methyl-2-Pentanone	8.647	43	826	0.559	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	475	0.539	ug/l #	73
76) 1,2,3-Trichloropropane	11.079	75	31346	29.182	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	31346	99.865	ug/l #	6

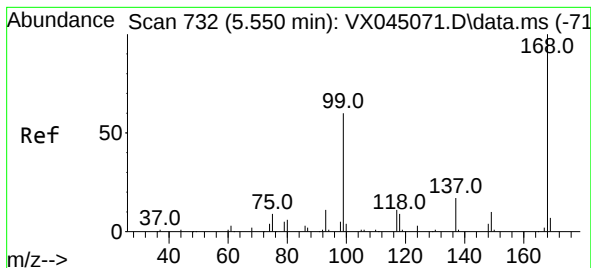
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX045390.D

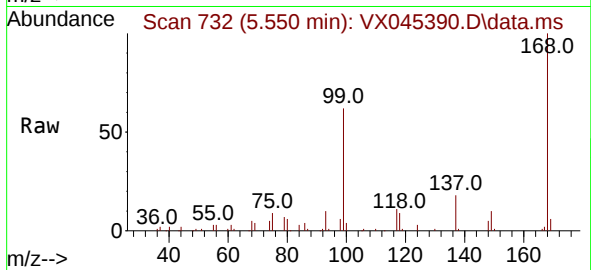
Acq: 21 Mar 2025 16:01

Instrument :

MSVOA_X

ClientSampleId :

RE117D1-20250313

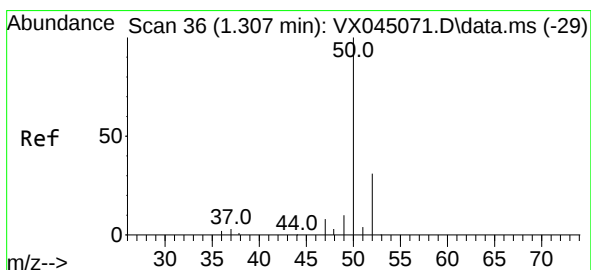
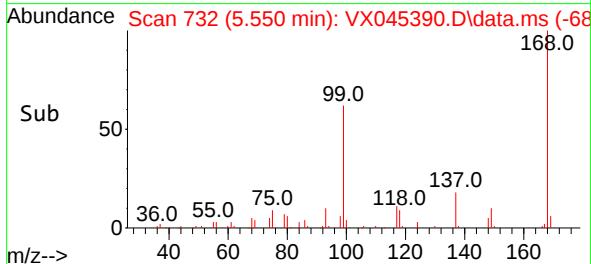
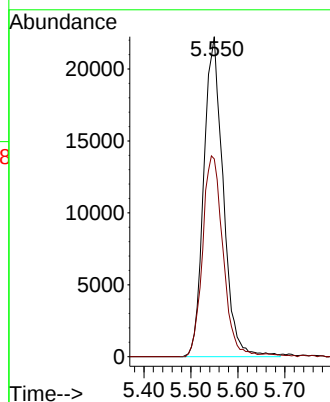


Tgt Ion:168 Resp: 63852

Ion Ratio Lower Upper

168 100

99 61.8 48.2 72.4



#3

Chloromethane

Concen: 0.215 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.012 min

Lab File: VX045390.D

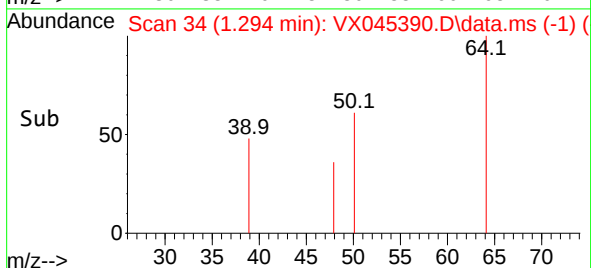
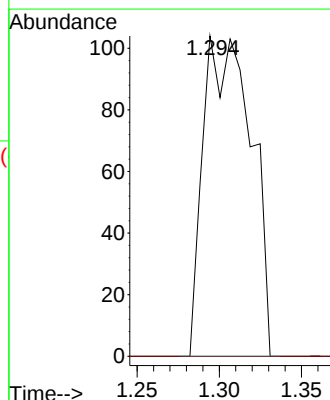
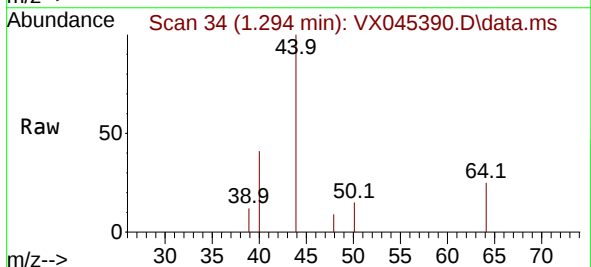
Acq: 21 Mar 2025 16:01

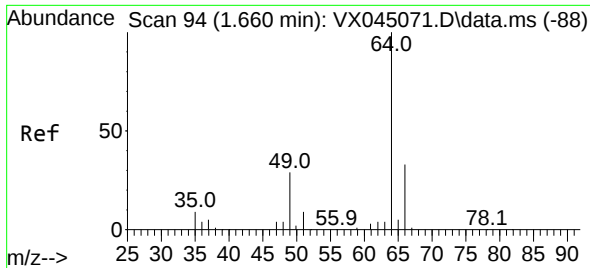
Tgt Ion: 50 Resp: 211

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#

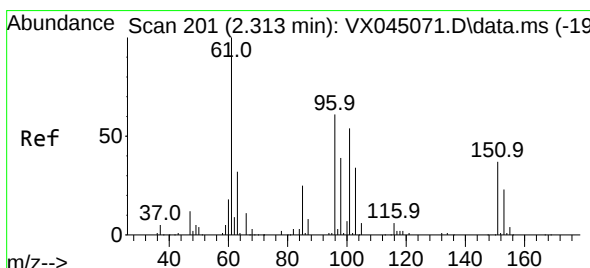
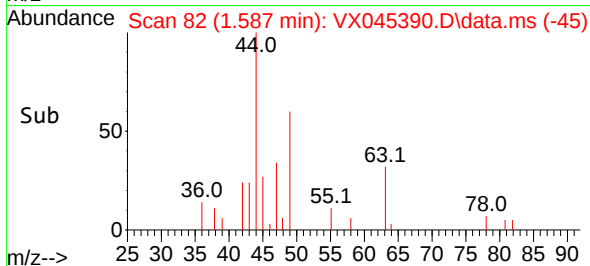
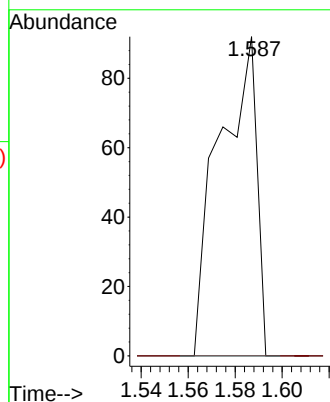
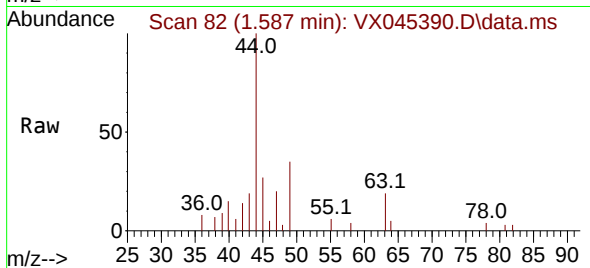




#6
Chloroethane
Concen: 0.227 ug/l
RT: 1.587 min Scan# 81
Delta R.T. -0.073 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

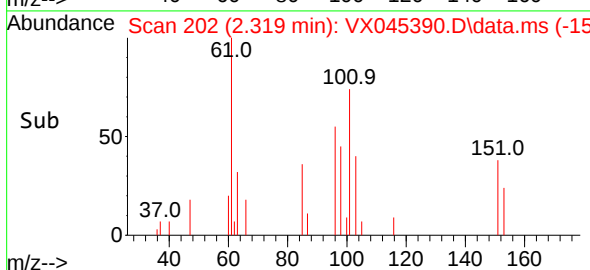
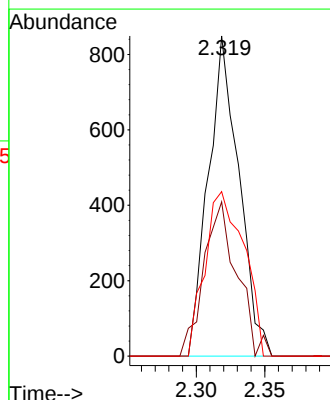
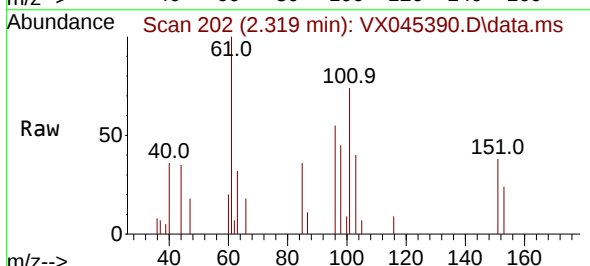
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250313

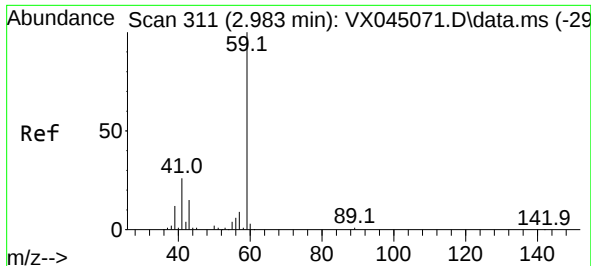
Tgt Ion: 64 Resp: 102
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.785 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

Tgt Ion: 101 Resp: 1325
Ion Ratio Lower Upper
101 100
85 52.0 36.2 54.4
151 65.4 56.4 84.6

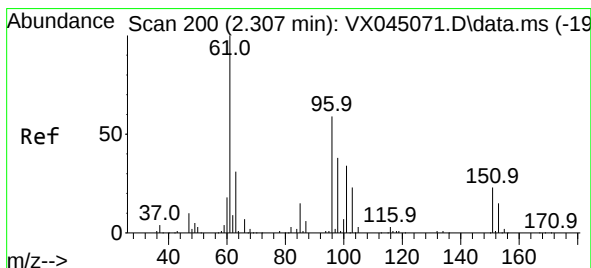
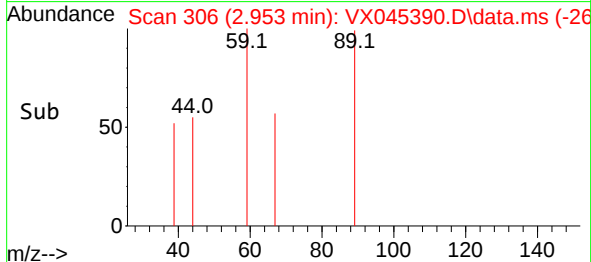
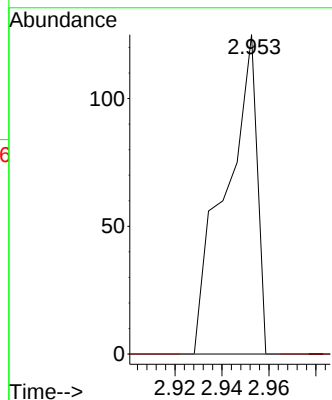
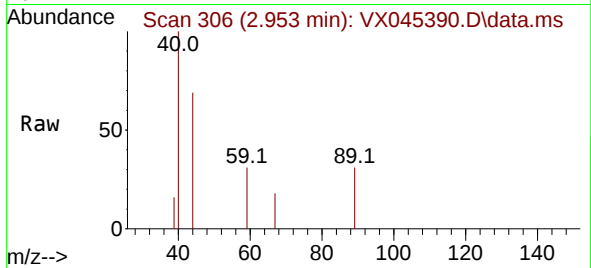




#11
Tert butyl alcohol
Concen: 0.603 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.031 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

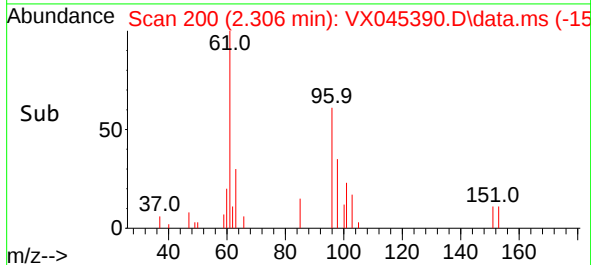
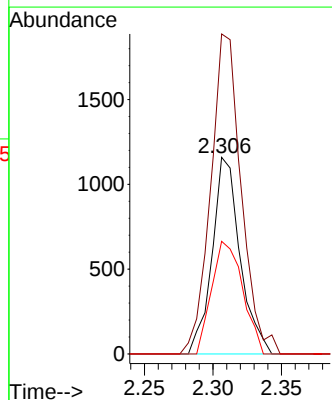
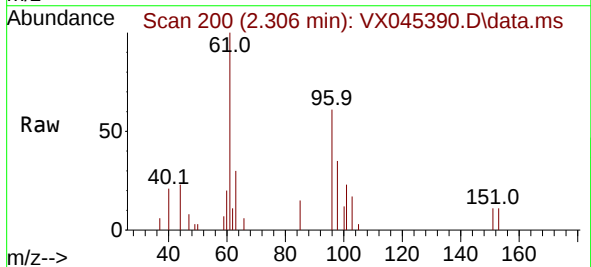
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250313

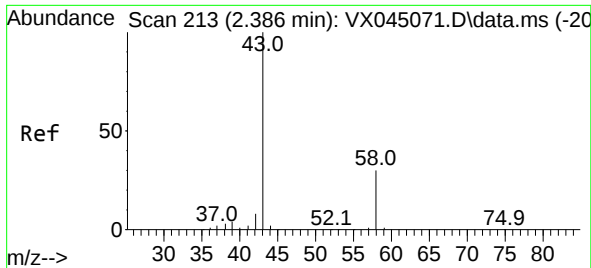
Tgt Ion: 59 Resp: 116
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 2.089 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

Tgt Ion: 96 Resp: 1639
Ion Ratio Lower Upper
96 100
61 162.8 134.6 202.0
98 57.3 51.0 76.6

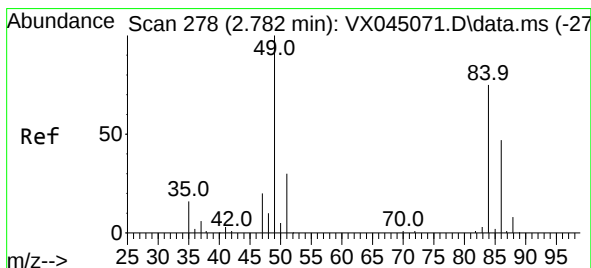
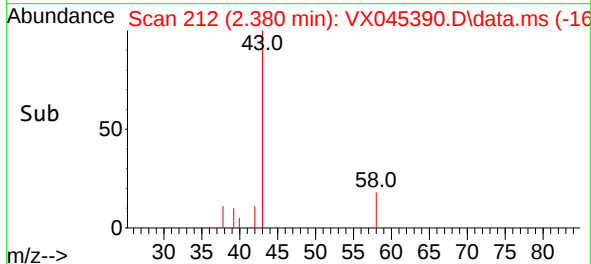
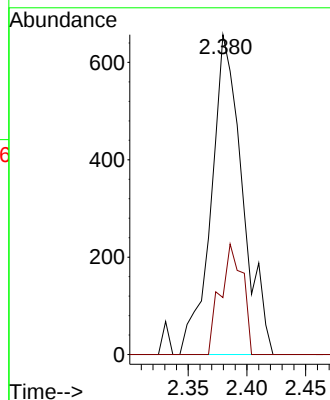
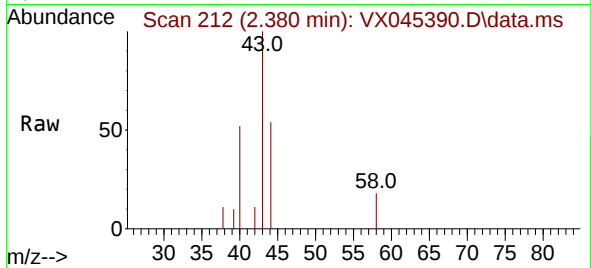




#16
Acetone
Concen: 2.574 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

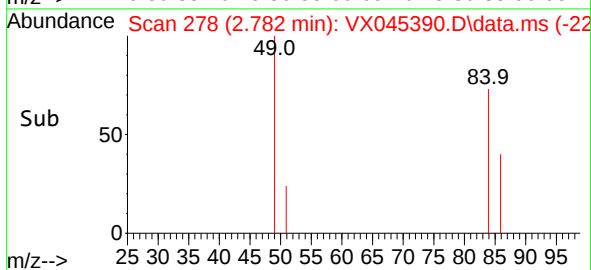
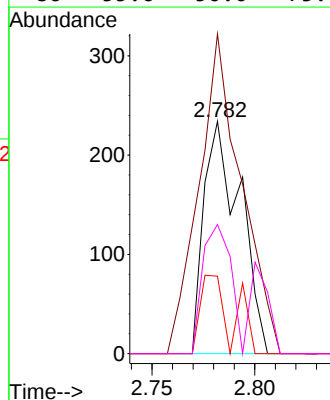
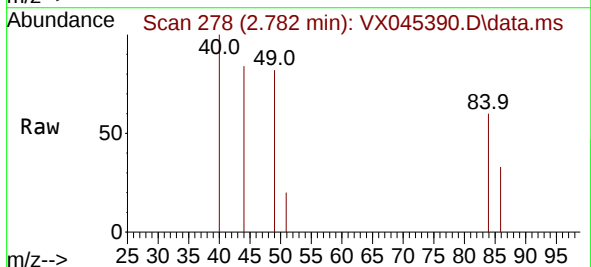
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250313

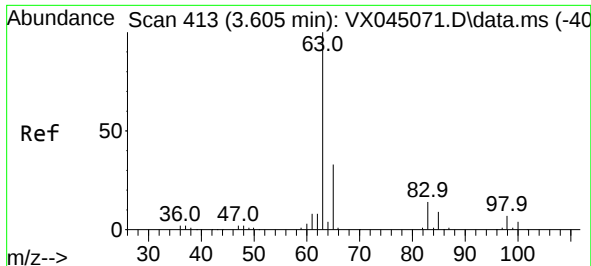
Tgt Ion: 43 Resp: 1213
Ion Ratio Lower Upper
43 100
58 17.8 24.2 36.4#



#20
Methylene Chloride
Concen: 0.307 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

Tgt Ion: 84 Resp: 287
Ion Ratio Lower Upper
84 100
49 137.6 106.5 159.7
51 33.3 32.1 48.1
86 55.6 50.0 75.0

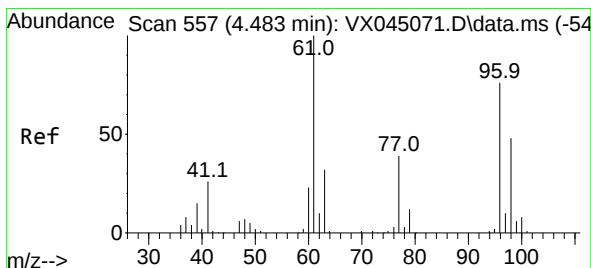
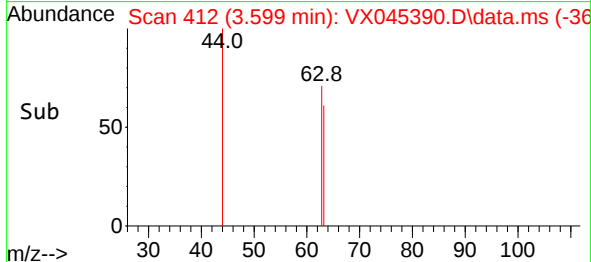
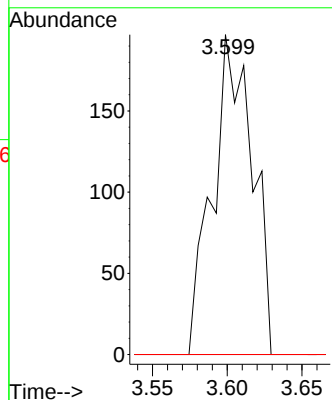
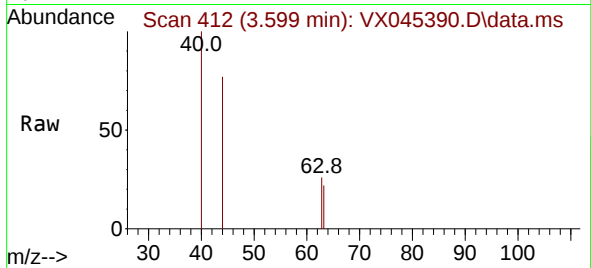




#24
 1,1-Dichloroethane
 Concen: 0.229 ug/l
 RT: 3.599 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VX045390.D
 Acq: 21 Mar 2025 16:01

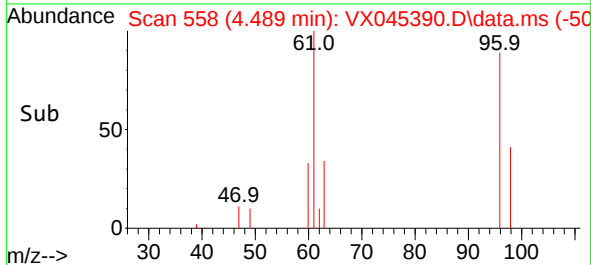
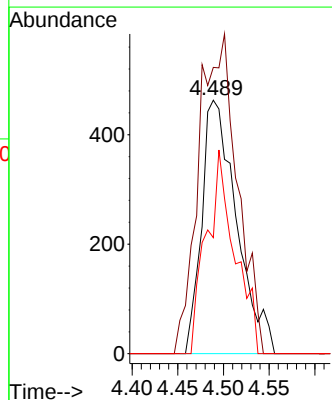
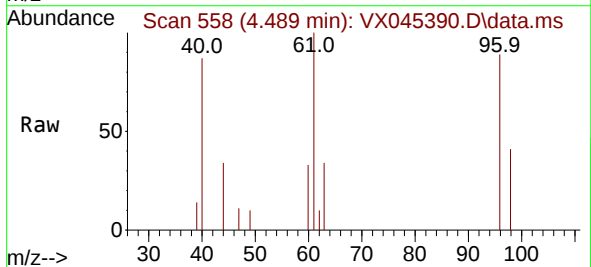
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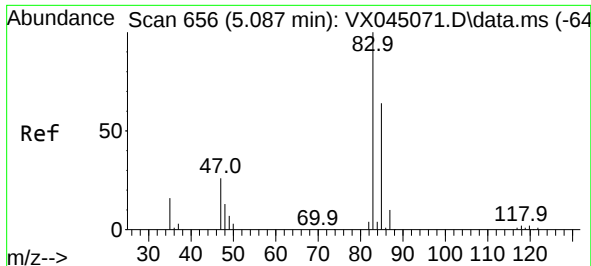
Tgt Ion: 63 Resp: 364
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.4 10.2#
 100 0.0 2.1 6.5#



#27
 cis-1,2-Dichloroethene
 Concen: 1.286 ug/l
 RT: 4.489 min Scan# 558
 Delta R.T. 0.006 min
 Lab File: VX045390.D
 Acq: 21 Mar 2025 16:01

Tgt Ion: 96 Resp: 1231
 Ion Ratio Lower Upper
 96 100
 61 139.2 0.0 283.2
 98 65.0 0.0 128.0

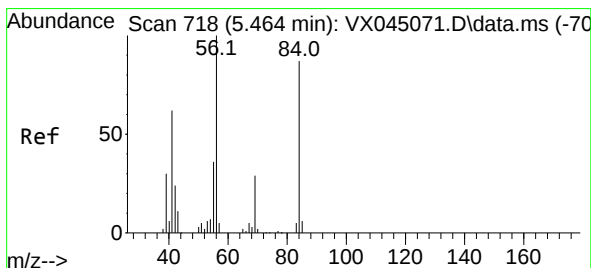
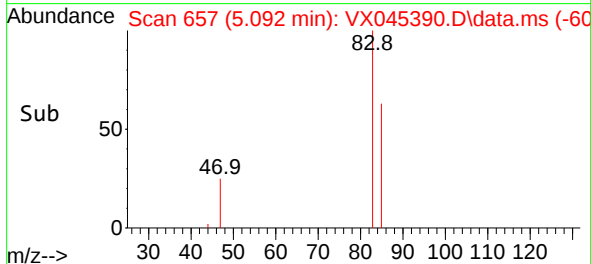
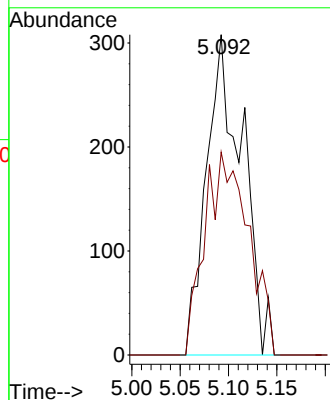
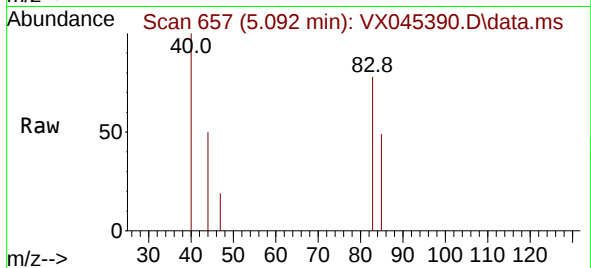




#30
Chloroform
Concen: 0.505 ug/l
RT: 5.092 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

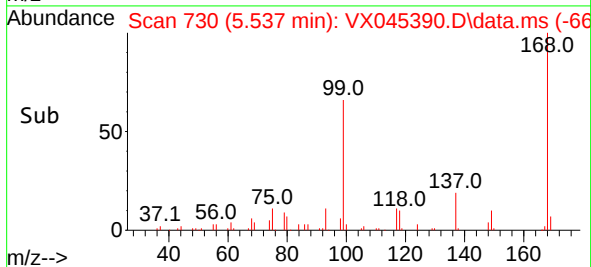
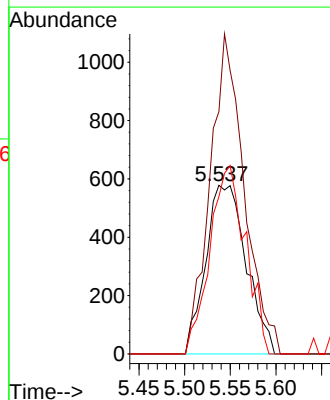
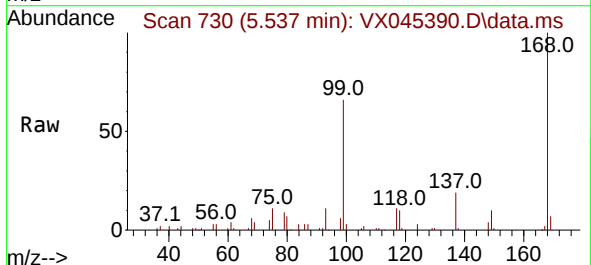
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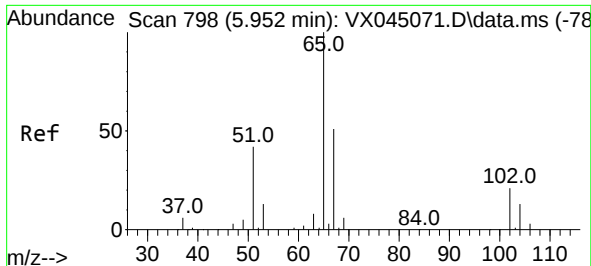
Tgt Ion: 83 Resp: 798
Ion Ratio Lower Upper
83 100
85 63.3 51.4 77.2



#31
Cyclohexane
Concen: 1.292 ug/l
RT: 5.537 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

Tgt Ion: 56 Resp: 1786
Ion Ratio Lower Upper
56 100
69 143.8 23.4 35.2#
84 93.3 69.4 104.2





#33

1,2-Dichloroethane-d4

Concen: 58.095 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045390.D

Acq: 21 Mar 2025 16:01

Instrument :

MSVOA_X

ClientSampleId :

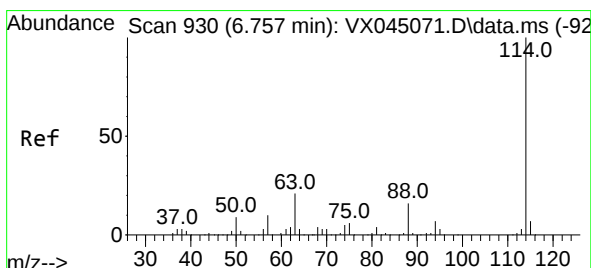
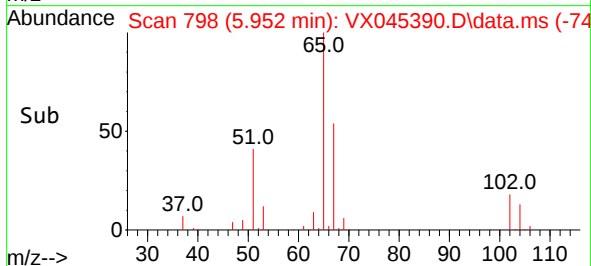
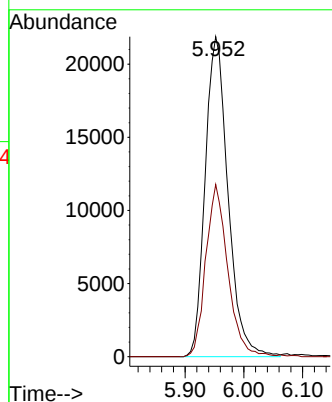
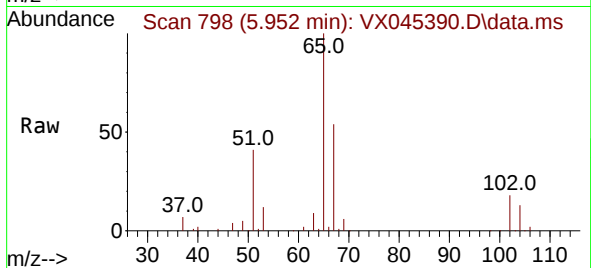
RE117D1-20250313

Tgt Ion: 65 Resp: 59005

Ion Ratio Lower Upper

65 100

67 51.9 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: VX045390.D

Acq: 21 Mar 2025 16:01

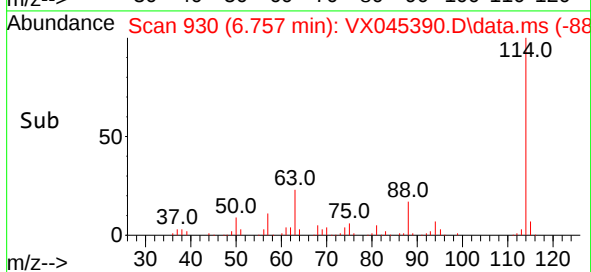
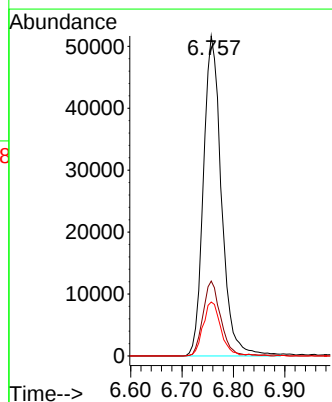
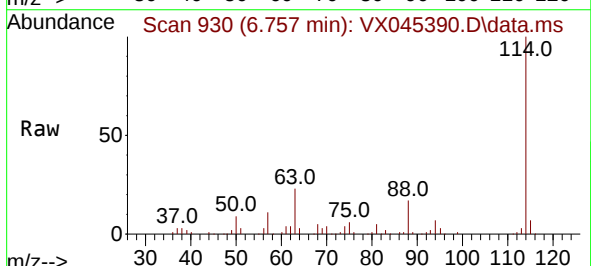
Tgt Ion: 114 Resp: 125973

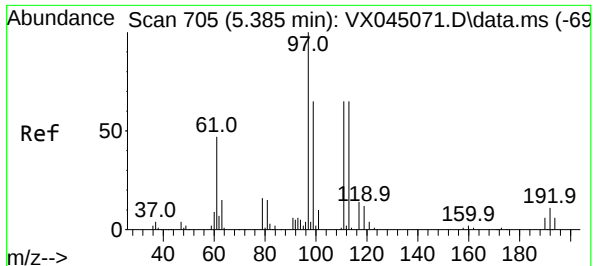
Ion Ratio Lower Upper

114 100

63 23.4 0.0 41.8

88 16.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 53.822 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX045390.D

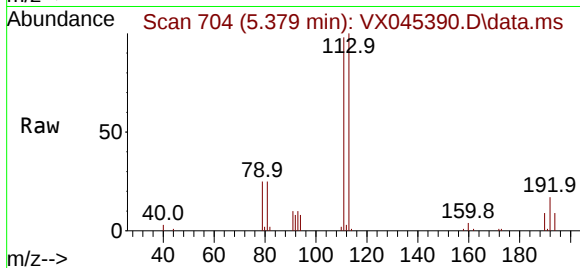
Acq: 21 Mar 2025 16:01

Instrument :

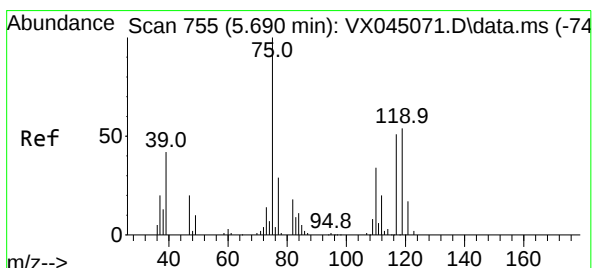
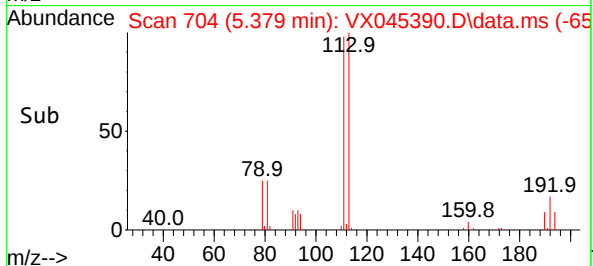
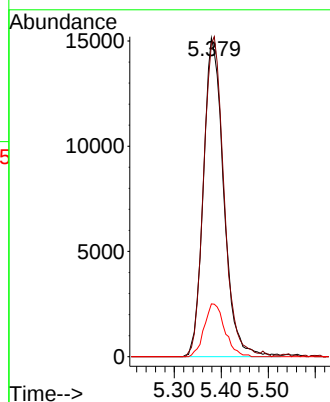
MSVOA_X

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Tgt Ion:	113	Resp:	45337
Ion	Ratio	Lower	Upper
113	100		
111	100.5	81.8	122.6
192	16.8	14.3	21.5



#36

1,1-Dichloropropene

Concen: 5.087 ug/l

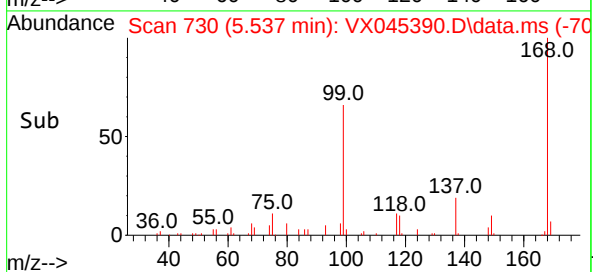
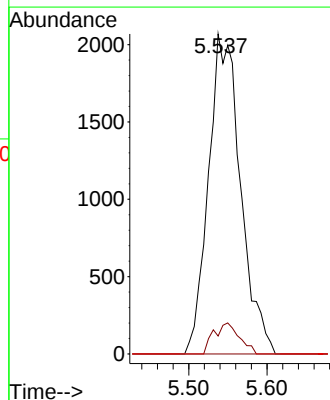
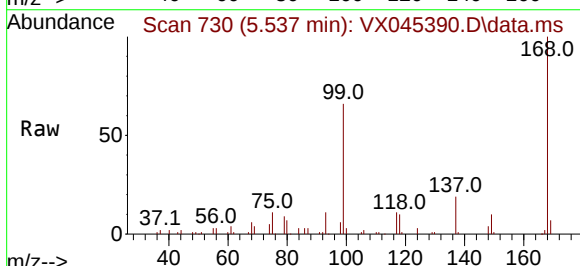
RT: 5.537 min Scan# 730

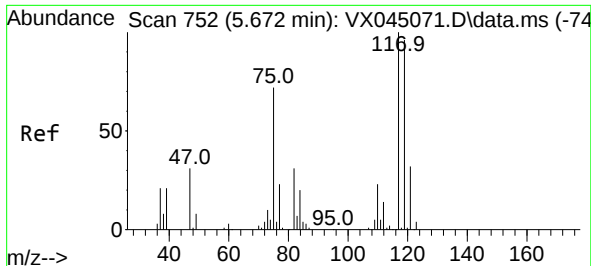
Delta R.T. -0.153 min

Lab File: VX045390.D

Acq: 21 Mar 2025 16:01

Tgt Ion:	75	Resp:	5876
Ion	Ratio	Lower	Upper
75	100		
110	7.7	16.9	50.6#
77	0.0	24.5	36.7#

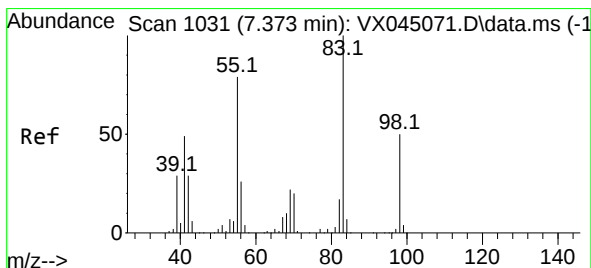
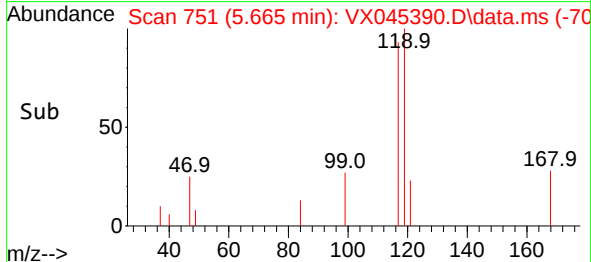
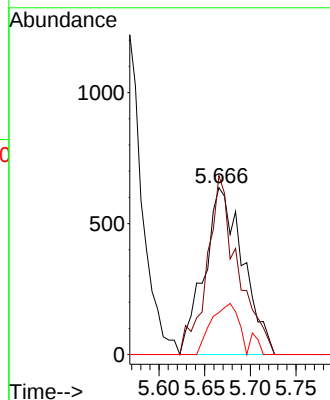
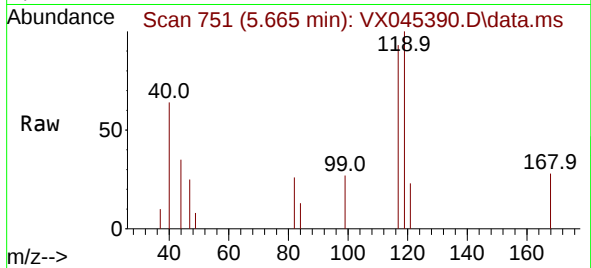




#38
Carbon Tetrachloride
Concen: 1.598 ug/l
RT: 5.665 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

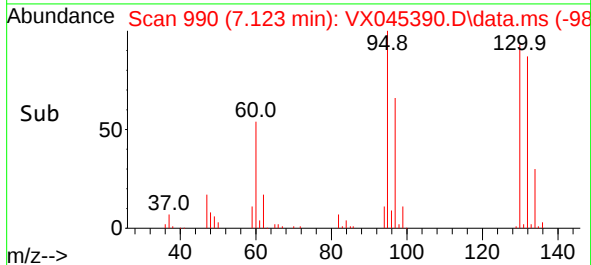
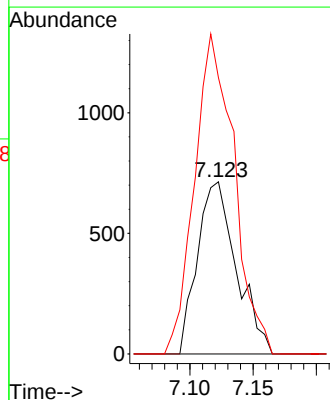
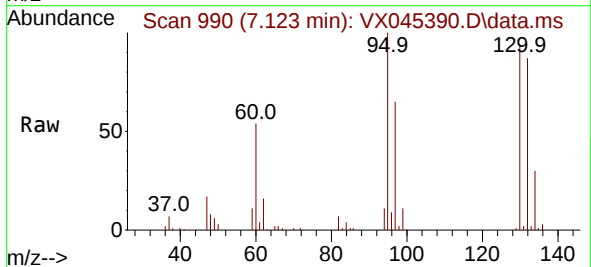
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250313

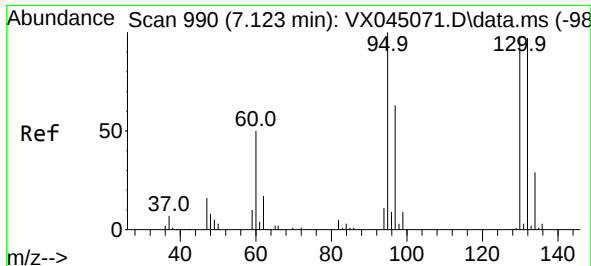
Tgt Ion:117 Resp: 1874
Ion Ratio Lower Upper
117 100
119 107.2 76.7 115.1
121 25.1 25.5 38.3#



#39
Methylcyclohexane
Concen: 1.108 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

Tgt Ion: 83 Resp: 1533
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 160.5 39.7 59.5#

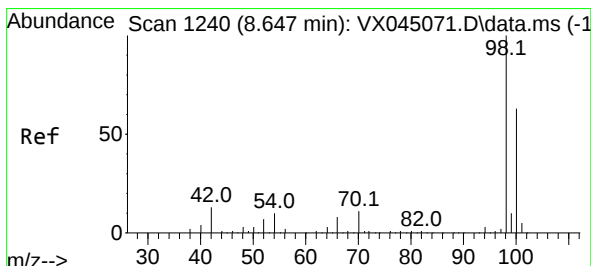
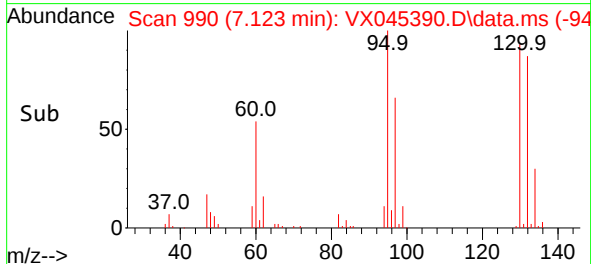
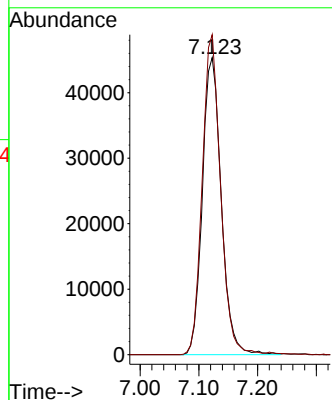
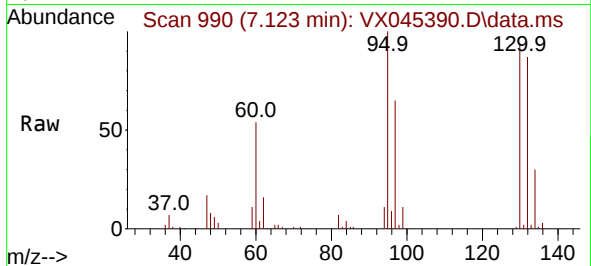




#44
Trichloroethene
Concen: 118.789 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

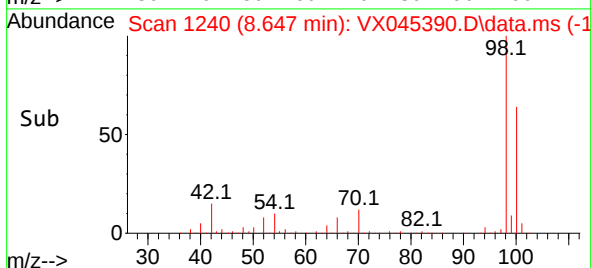
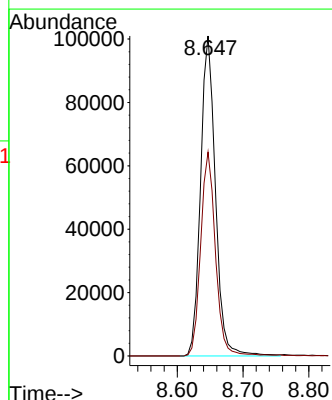
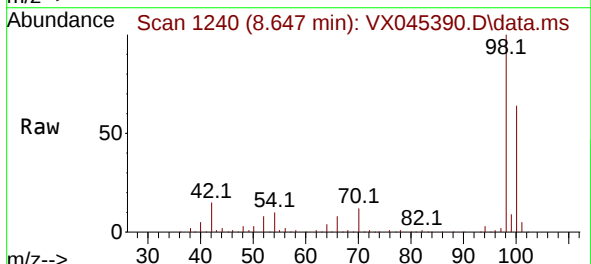
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250313

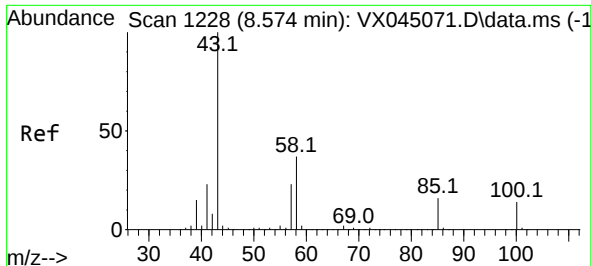
Tgt Ion:130 Resp: 101748
Ion Ratio Lower Upper
130 100
95 107.7 0.0 205.0



#50
Toluene-d8
Concen: 52.089 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

Tgt Ion: 98 Resp: 159070
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0

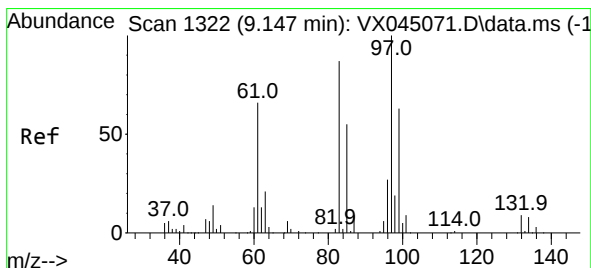
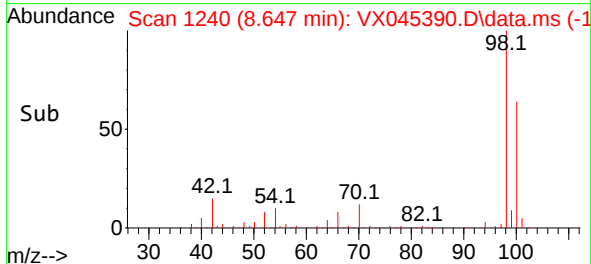
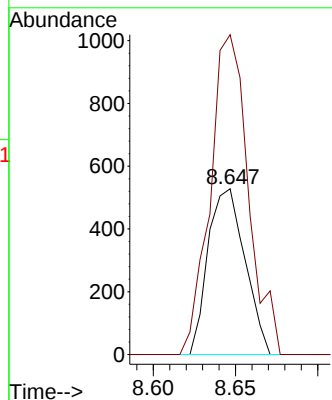
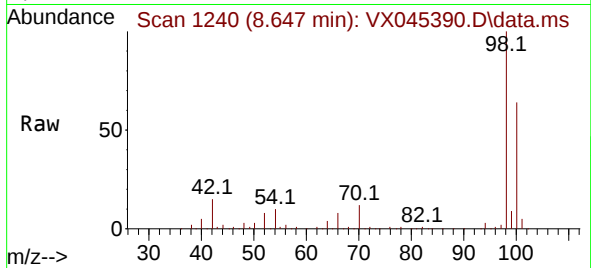




#51
4-Methyl-2-Pentanone
Concen: 0.559 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

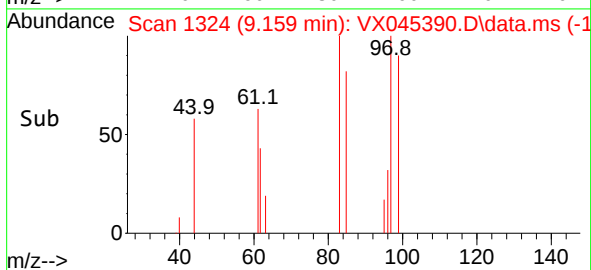
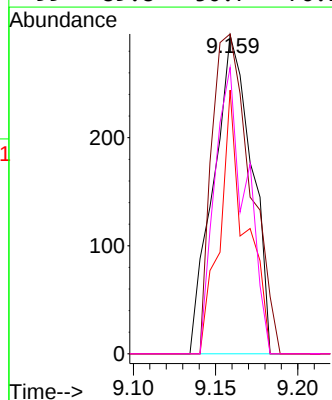
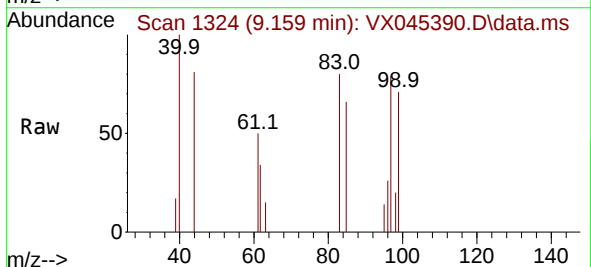
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250313

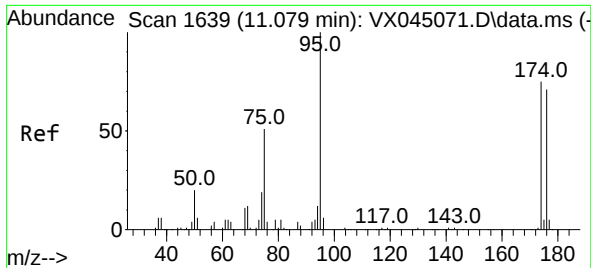
Tgt Ion: 43 Resp: 826
Ion Ratio Lower Upper
43 100
58 199.4 29.2 43.8#



#55
1,1,2-Trichloroethane
Concen: 0.539 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.012 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

Tgt Ion: 97 Resp: 475
Ion Ratio Lower Upper
97 100
83 100.3 69.4 104.2
85 82.7 44.1 66.1#
99 89.8 50.7 76.1#

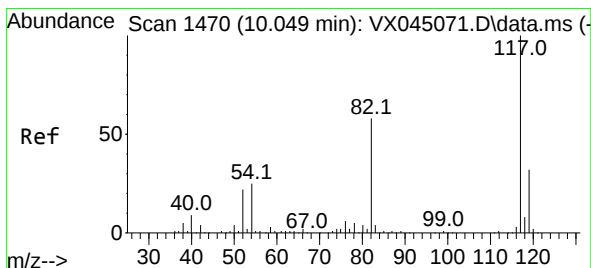
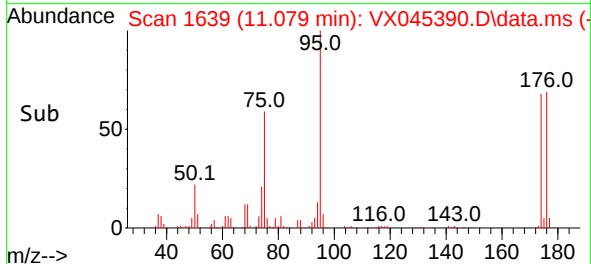
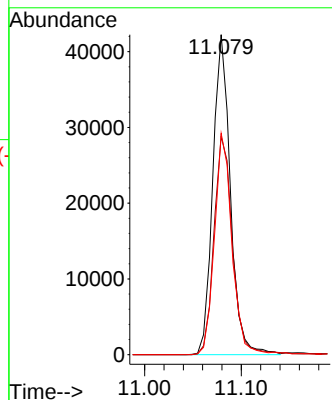
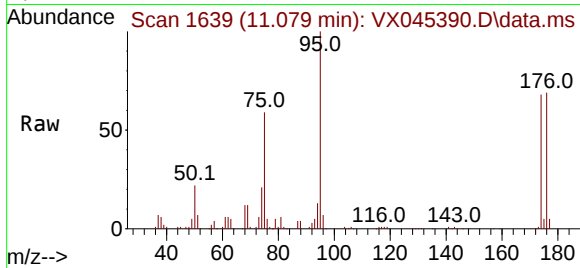




#62
4-Bromofluorobenzene
Concen: 52.658 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

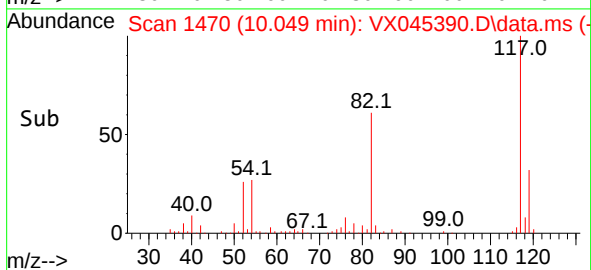
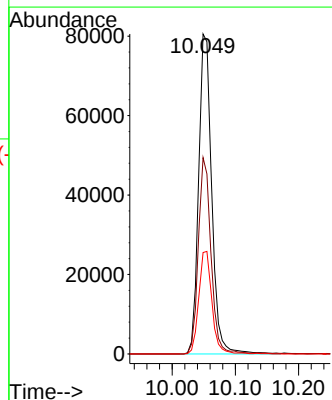
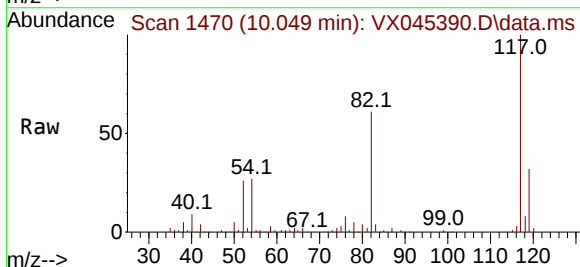
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250313

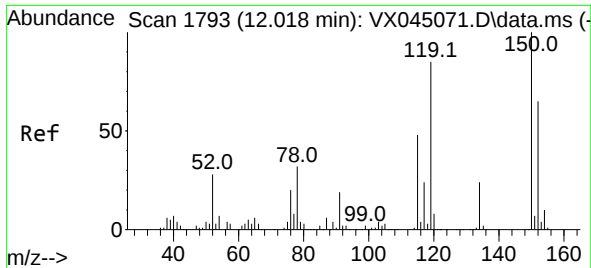
Tgt Ion: 95 Resp: 53287
Ion Ratio Lower Upper
95 100
174 72.2 0.0 148.2
176 69.8 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

Tgt Ion: 117 Resp: 116271
Ion Ratio Lower Upper
117 100
82 61.4 46.3 69.5
119 31.7 25.7 38.5

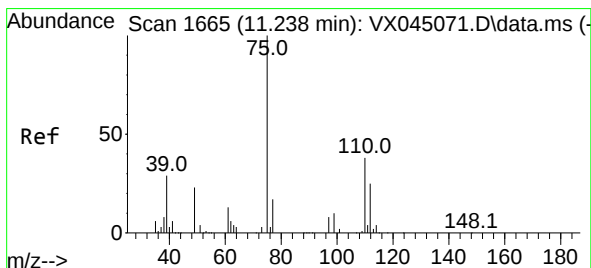
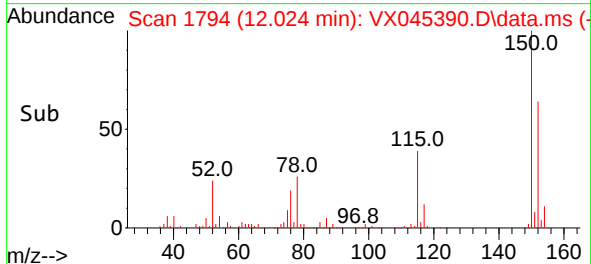
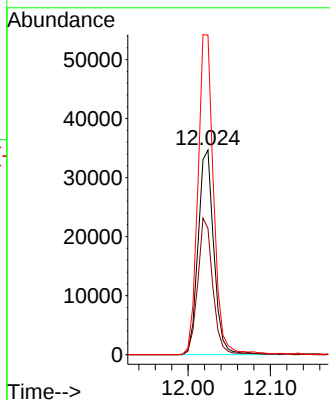
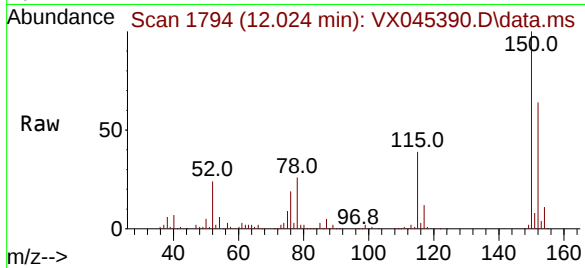




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

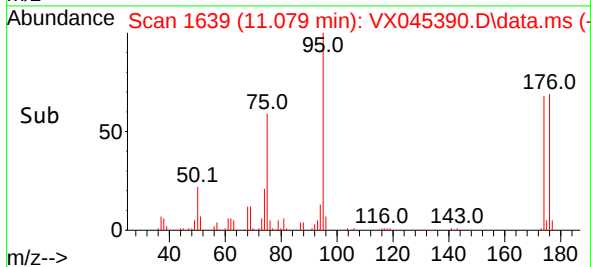
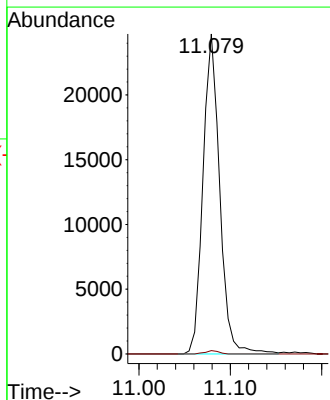
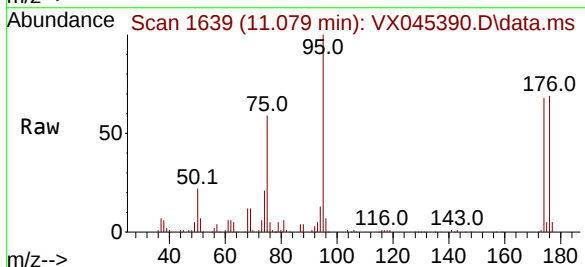
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250313

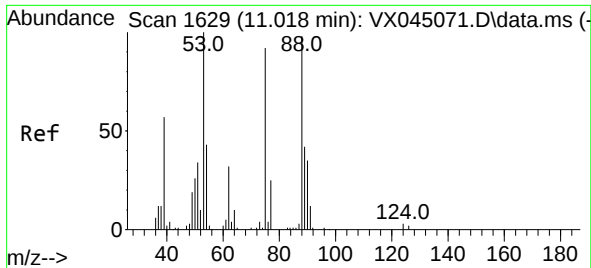
Tgt Ion:152 Resp: 46151
Ion Ratio Lower Upper
152 100
115 64.1 44.2 132.6
150 156.3 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 29.182 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

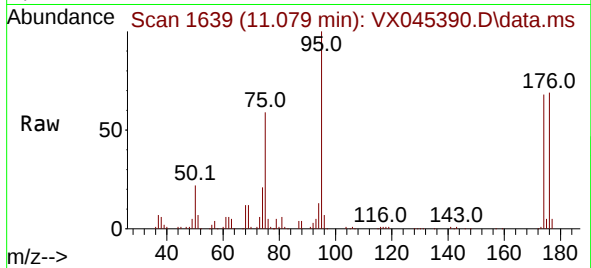
Tgt Ion: 75 Resp: 31346
Ion Ratio Lower Upper
75 100
77 0.9 20.7 62.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.865 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045390.D
 Acq: 21 Mar 2025 16:01

Instrument :
 MSVOA_X
 ClientSampleId :
 RE117D1-20250313



Tgt Ion: 75 Resp: 31346
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.0 36.2 54.4#

