

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
 Data File : VX045232.D
 Acq On : 11 Mar 2025 18:16
 Operator : JC/MD
 Sample : Q1531-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D2-20250306

Quant Time: Mar 12 01:53:37 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)

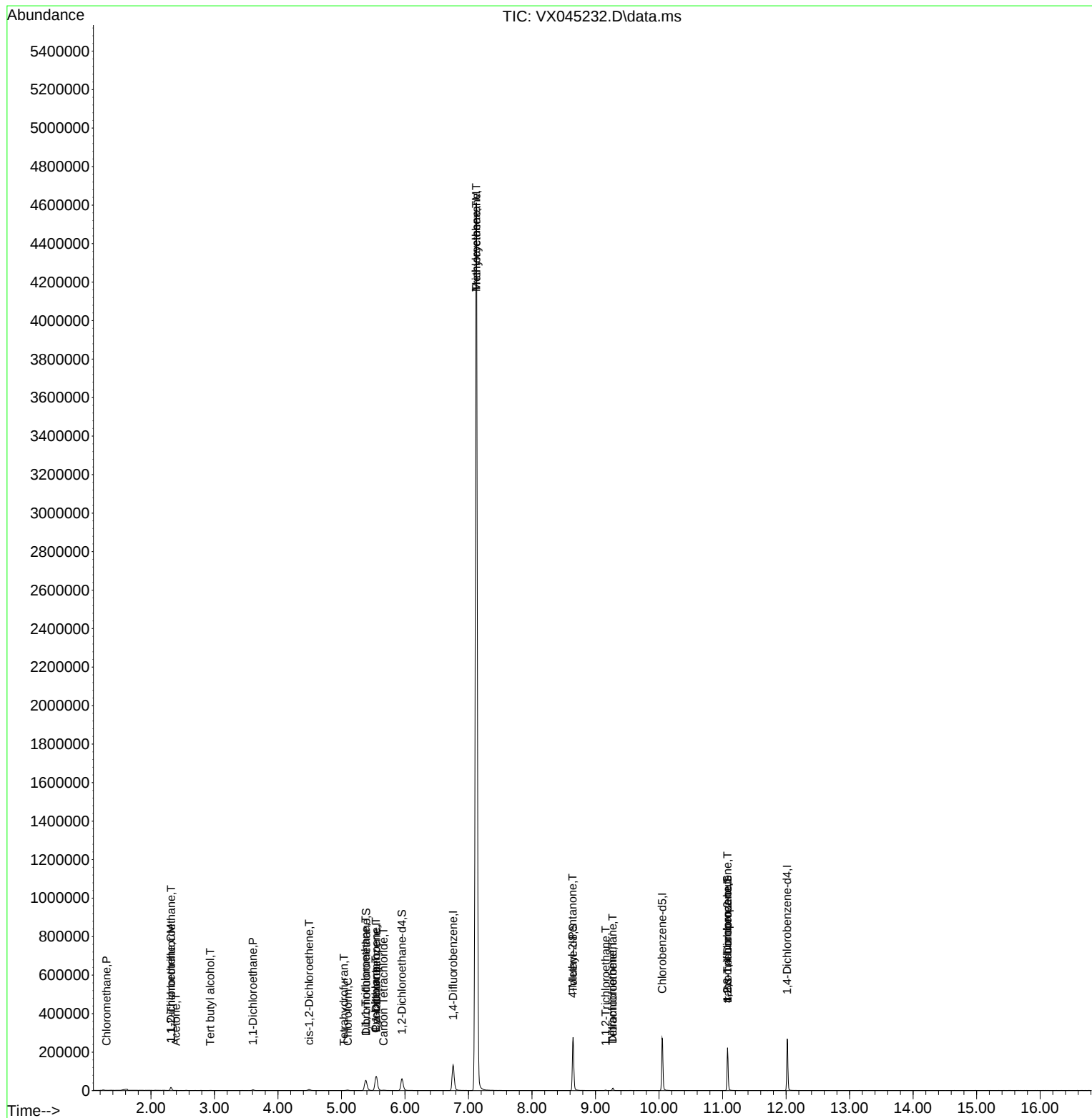
Internal Standards						
1) Pentafluorobenzene	5.550	168	68092	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	135056	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119344	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51036	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58096	53.638	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.280%	
35) Dibromofluoromethane	5.385	113	46339	51.312	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.620%	
50) Toluene-d8	8.647	98	161285	49.262	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.520%	
62) 4-Bromofluorobenzene	11.079	95	56556	52.130	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.260%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	270	0.257	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.319	101	3063	3.870	ug/l	99
11) Tert butyl alcohol	2.934	59	148	0.721	ug/l #	73
12) 1,1-Dichloroethene	2.313	96	3157	3.773	ug/l	97
16) Acetone	2.392	43	814	1.620	ug/l #	85
24) 1,1-Dichloroethane	3.605	63	4476	2.637	ug/l #	88
27) cis-1,2-Dichloroethene	4.489	96	3539	3.468	ug/l	91
29) Tetrahydrofuran	5.038	42	266	0.524	ug/l #	34
30) Chloroform	5.099	83	2927	1.735	ug/l	87
31) Cyclohexane	5.538	56	1954	1.326	ug/l #	30
32) 1,1,1-Trichloroethane	5.379	97	469	0.344	ug/l #	45
36) 1,1-Dichloropropene	5.544	75	6240	5.038	ug/l #	50
38) Carbon Tetrachloride	5.659	117	1412	1.123	ug/l	93
39) Methylcyclohexane	7.123	83	23214	15.643	ug/l #	1
44) Trichloroethene	7.123	130	1675715	1824.789	ug/l	94
51) 4-Methyl-2-Pentanone	8.641	43	787	0.497	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	732	0.775	ug/l #	85
60) Dibromochloromethane	9.269	129	2191	2.218	ug/l #	11
64) Tetrachloroethene	9.269	164	2193	2.869	ug/l	88
76) 1,2,3-Trichloropropane	11.079	75	30551	25.719	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	30551	88.016	ug/l #	6

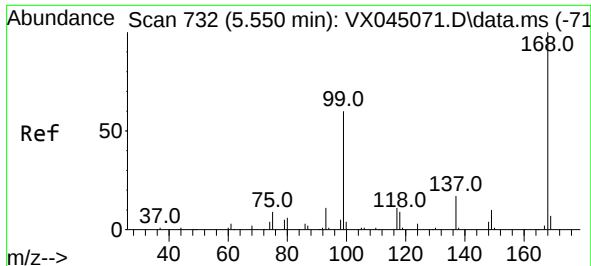
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
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RE108D2-20250306

Quant Time: Mar 12 01:53:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
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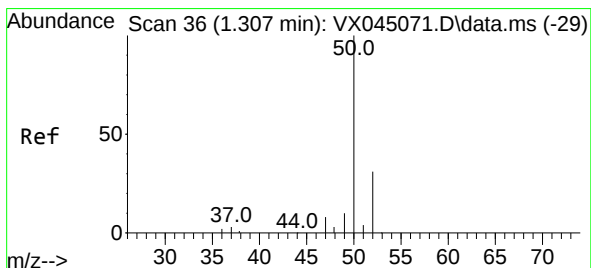
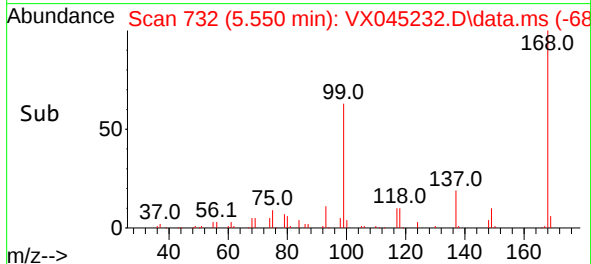
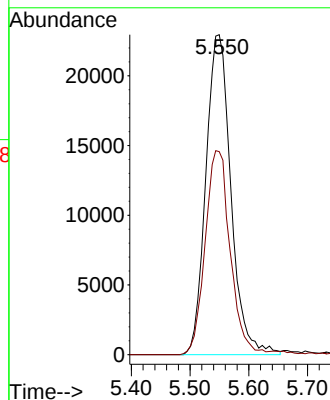
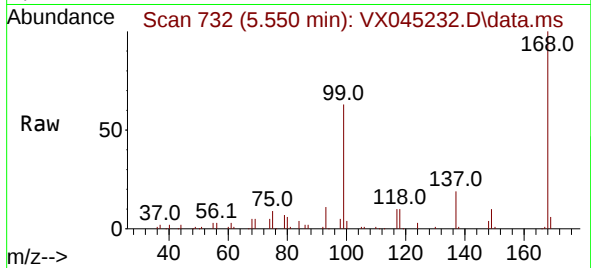




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045232.D
Acq: 11 Mar 2025 18:16

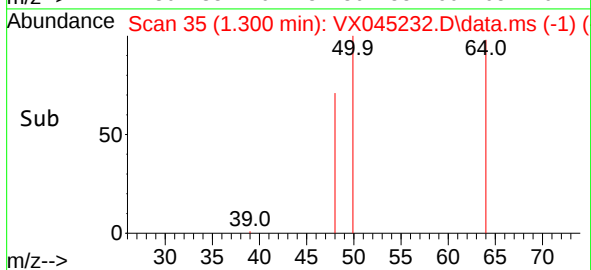
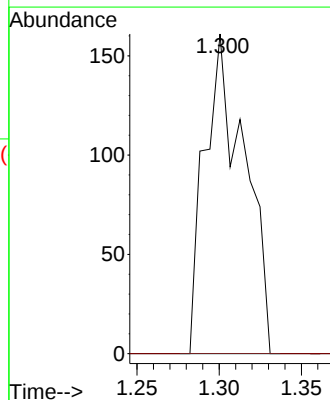
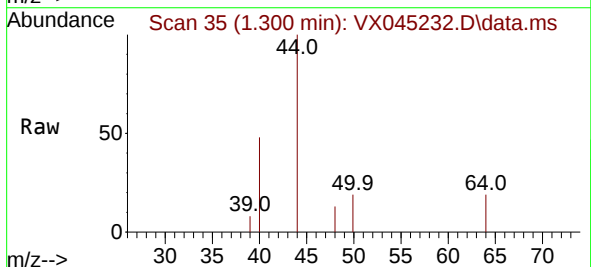
Instrument :
MSVOA_X
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RE108D2-20250306

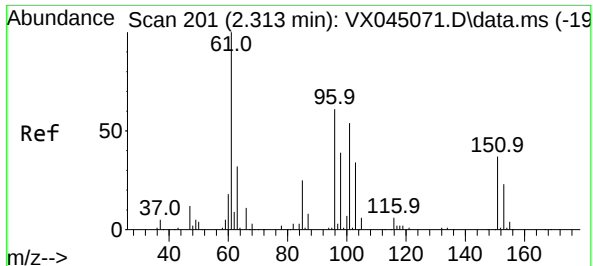
Tgt Ion:168 Resp: 68092
Ion Ratio Lower Upper
168 100
99 63.4 48.2 72.4



#3
Chloromethane
Concen: 0.257 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.006 min
Lab File: VX045232.D
Acq: 11 Mar 2025 18:16

Tgt Ion: 50 Resp: 270
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

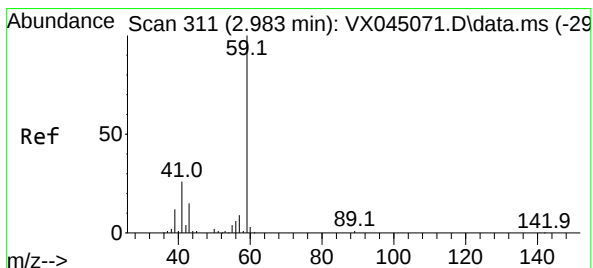
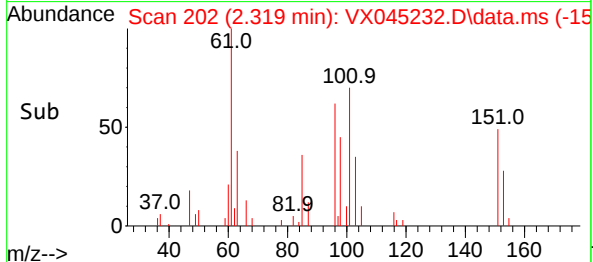
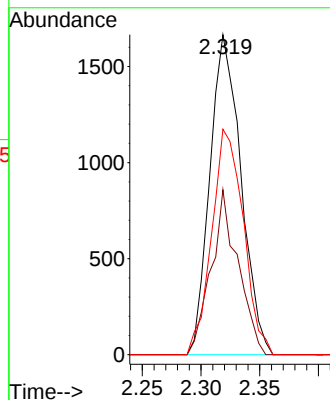
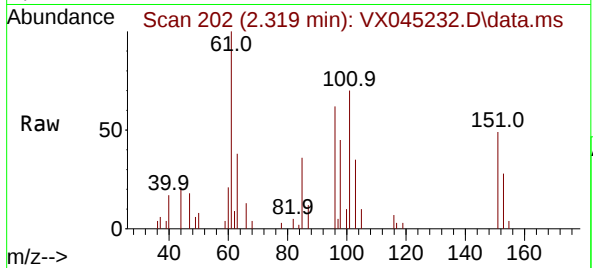




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.870 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045232.D
Acq: 11 Mar 2025 18:16

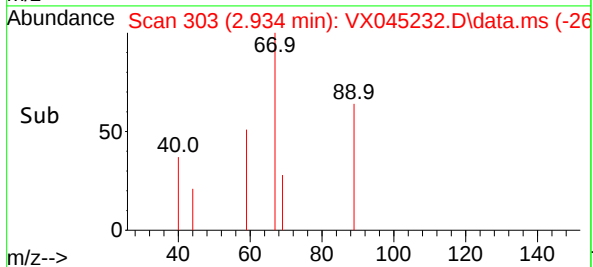
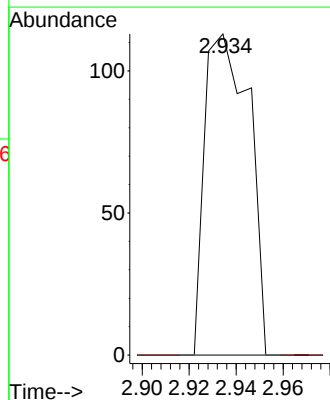
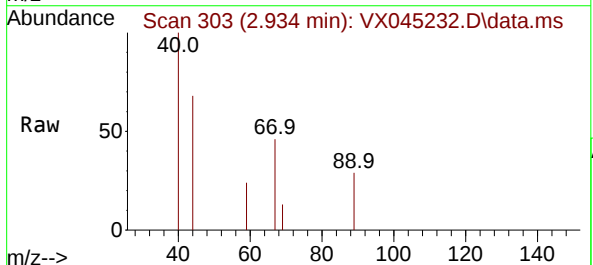
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20250306

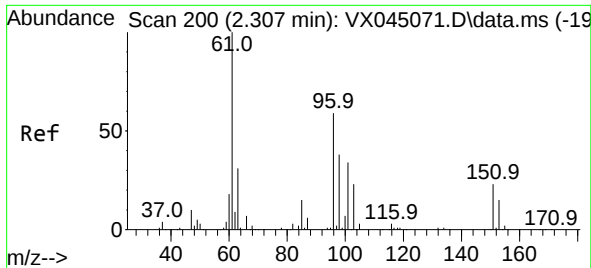
Tgt Ion:101 Resp: 3063
Ion Ratio Lower Upper
101 100
85 44.8 36.2 54.4
151 71.8 56.4 84.6



#11
Tert butyl alcohol
Concen: 0.721 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.049 min
Lab File: VX045232.D
Acq: 11 Mar 2025 18:16

Tgt Ion: 59 Resp: 148
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

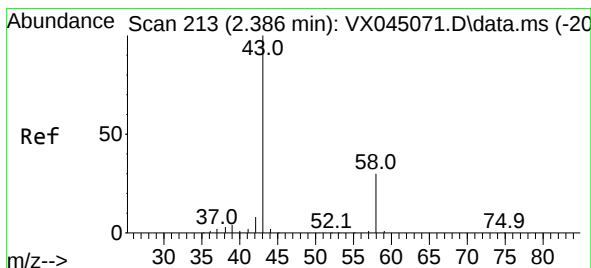
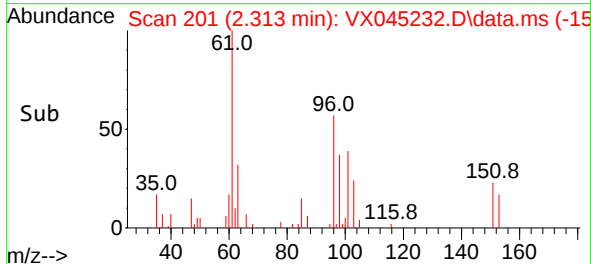
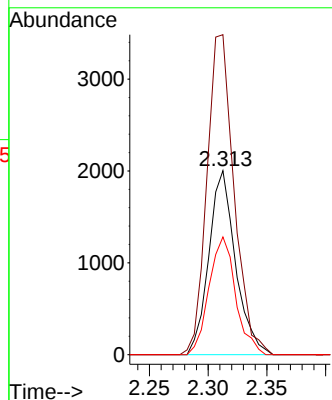
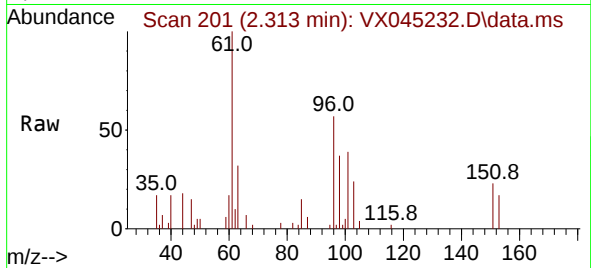




#12
 1,1-Dichloroethene
 Concen: 3.773 ug/l
 RT: 2.313 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VX045232.D
 Acq: 11 Mar 2025 18:16

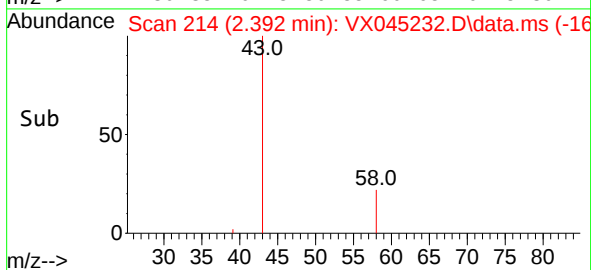
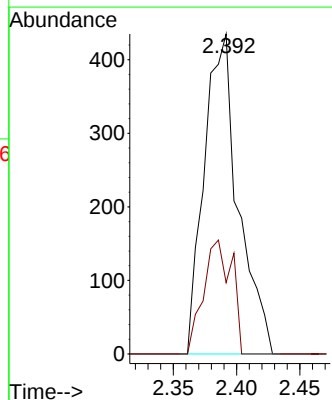
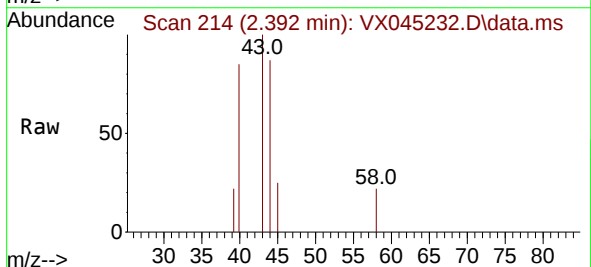
Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D2-20250306

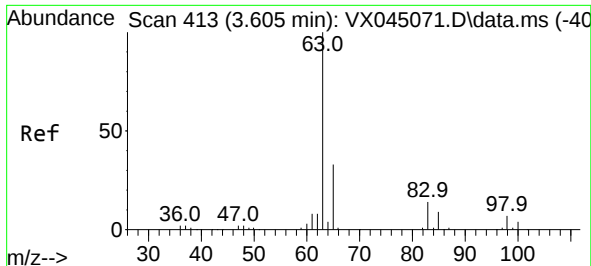
Tgt Ion: 96 Resp: 3157
 Ion Ratio Lower Upper
 96 100
 61 173.9 134.6 202.0
 98 64.0 51.0 76.6



#16
 Acetone
 Concen: 1.620 ug/l
 RT: 2.392 min Scan# 214
 Delta R.T. 0.006 min
 Lab File: VX045232.D
 Acq: 11 Mar 2025 18:16

Tgt Ion: 43 Resp: 814
 Ion Ratio Lower Upper
 43 100
 58 22.3 24.2 36.4#

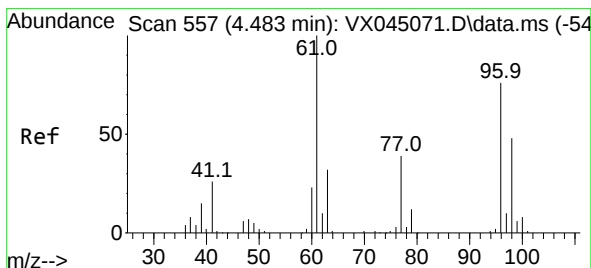
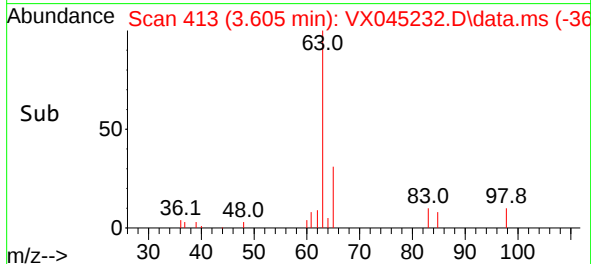
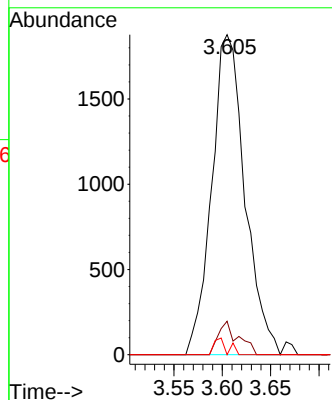
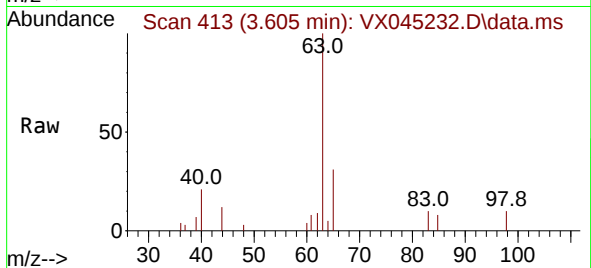




#24
1,1-Dichloroethane
Concen: 2.637 ug/l
RT: 3.605 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX045232.D
Acq: 11 Mar 2025 18:16

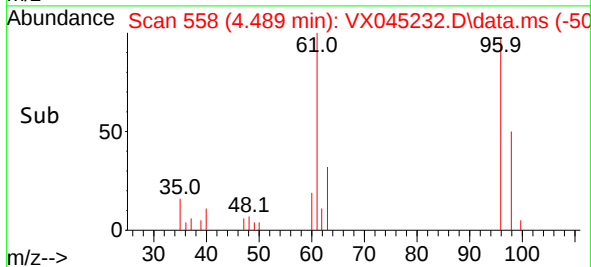
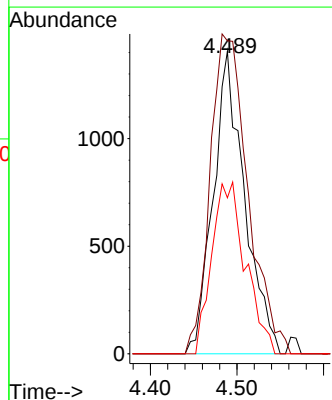
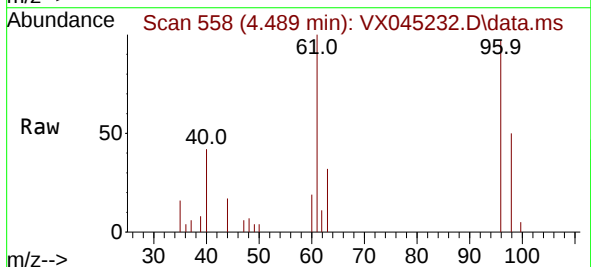
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20250306

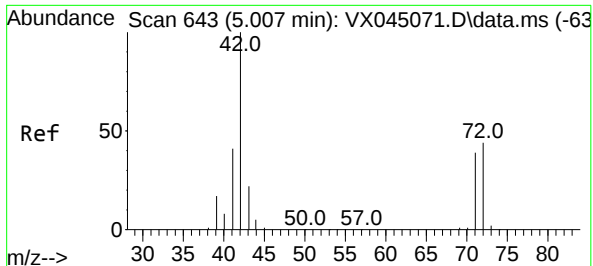
Tgt Ion: 63 Resp: 4476
Ion Ratio Lower Upper
63 100
98 10.4 3.4 10.2#
100 0.0 2.1 6.5#



#27
cis-1,2-Dichloroethene
Concen: 3.468 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX045232.D
Acq: 11 Mar 2025 18:16

Tgt Ion: 96 Resp: 3539
Ion Ratio Lower Upper
96 100
61 127.1 0.0 283.2
98 60.9 0.0 128.0





#29

Tetrahydrofuran

Concen: 0.524 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.030 min

Lab File: VX045232.D

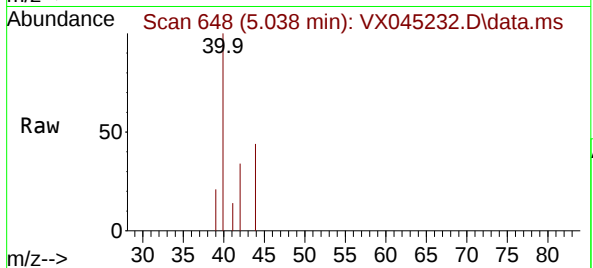
Acq: 11 Mar 2025 18:16

Instrument :

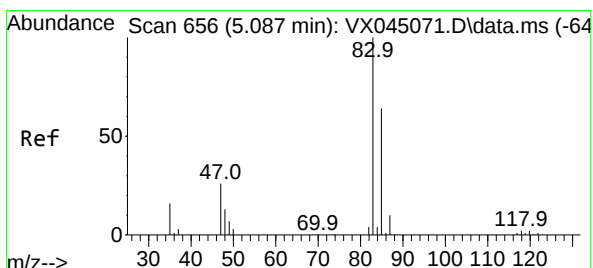
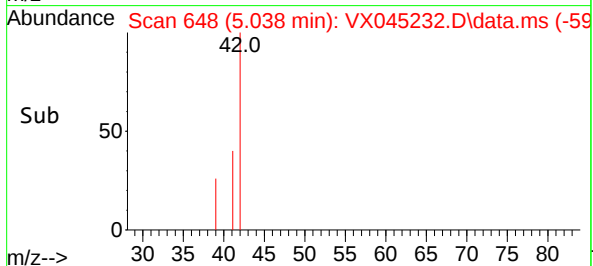
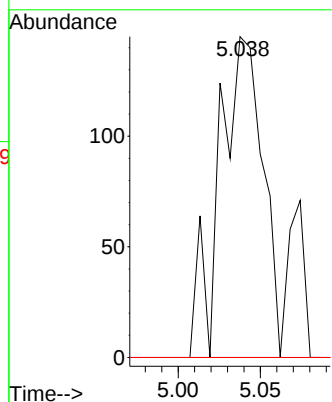
MSVOA_X

ClientSampleId :

RE108D2-20250306



Tgt Ion: 42	Resp: 266
Ion Ratio	Lower Upper
42	100
72	0.0 34.1 51.1#
71	0.0 31.4 47.0#



#30

Chloroform

Concen: 1.735 ug/l

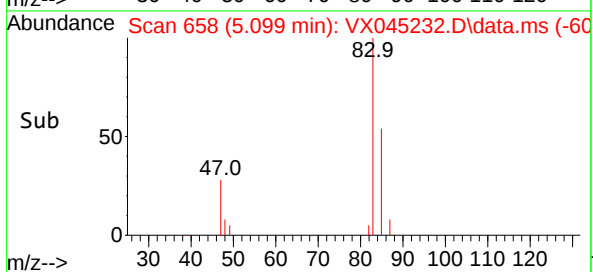
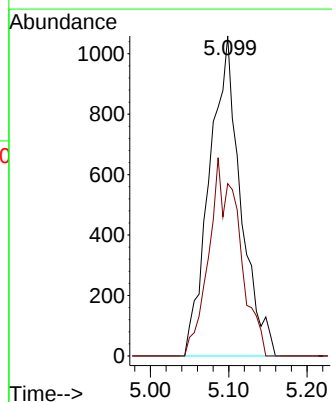
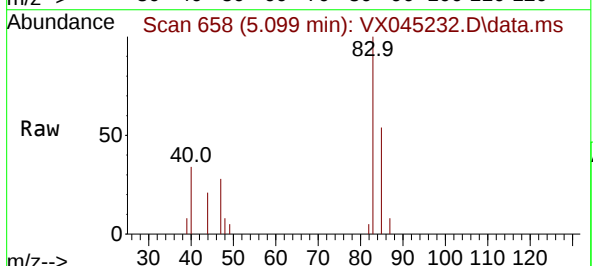
RT: 5.099 min Scan# 658

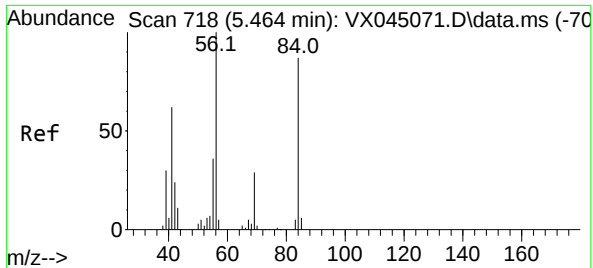
Delta R.T. 0.012 min

Lab File: VX045232.D

Acq: 11 Mar 2025 18:16

Tgt Ion: 83	Resp: 2927
Ion Ratio	Lower Upper
83	100
85	53.8 51.4 77.2

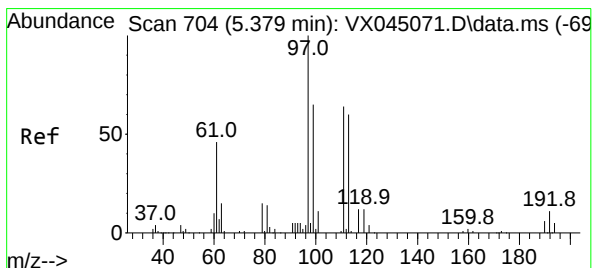
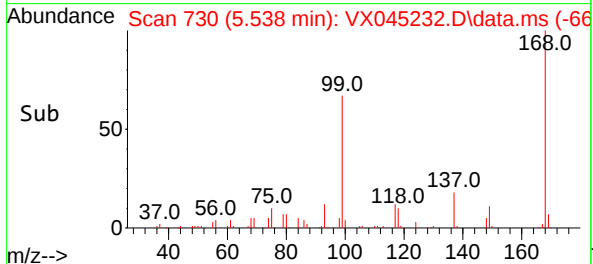
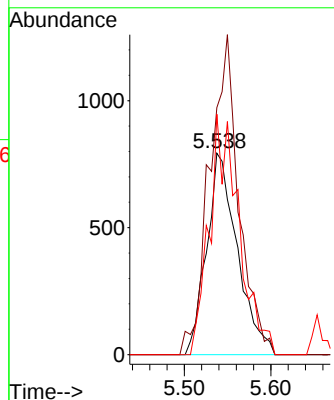
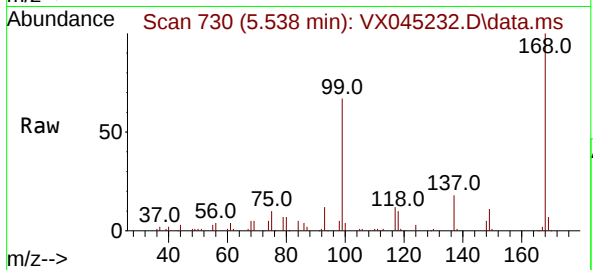




#31
Cyclohexane
Concen: 1.326 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045232.D
Acq: 11 Mar 2025 18:16

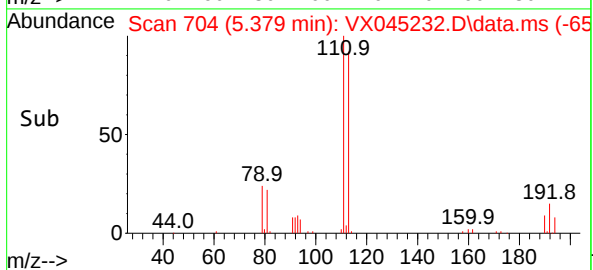
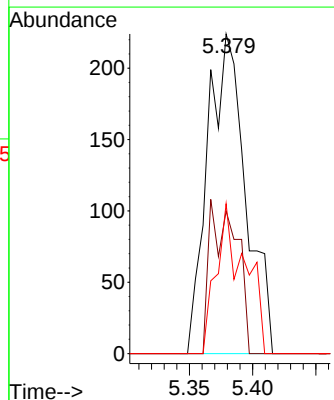
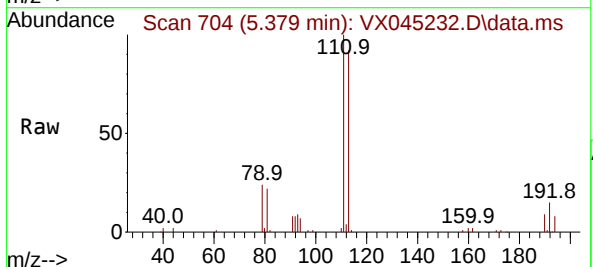
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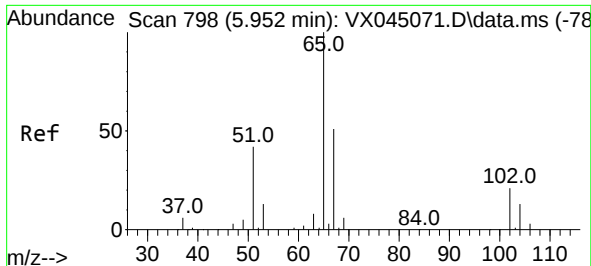
Tgt Ion: 56 Resp: 1954
Ion Ratio Lower Upper
56 100
69 122.7 23.4 35.2#
84 119.4 69.4 104.2#



#32
1,1,1-Trichloroethane
Concen: 0.344 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045232.D
Acq: 11 Mar 2025 18:16

Tgt Ion: 97 Resp: 469
Ion Ratio Lower Upper
97 100
99 0.0 51.6 77.4#
61 35.4 38.4 57.6#

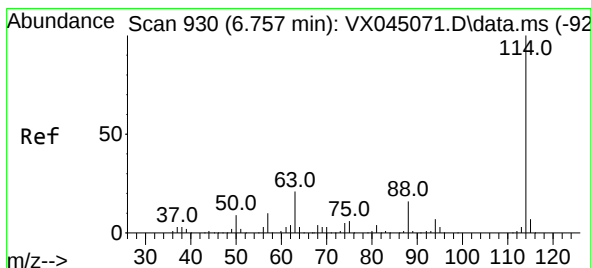
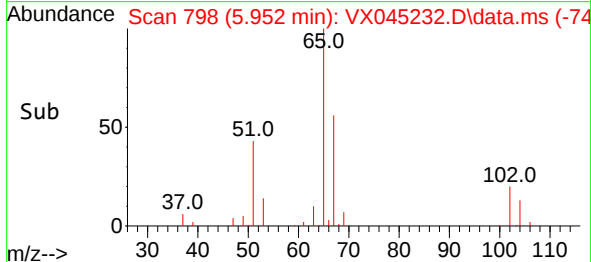
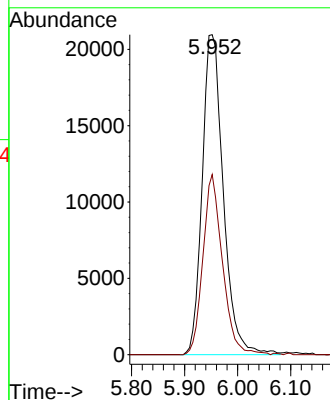
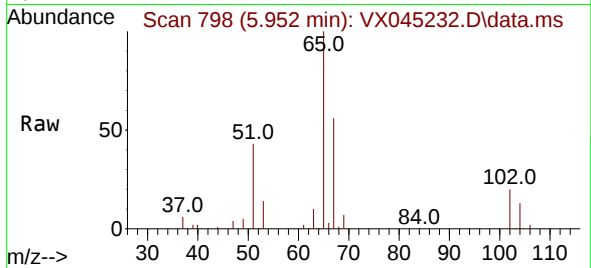




#33
 1,2-Dichloroethane-d4
 Concen: 53.638 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX045232.D
 Acq: 11 Mar 2025 18:16

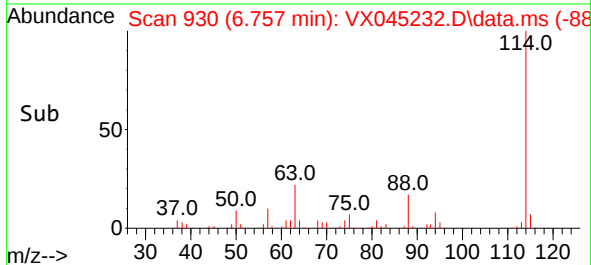
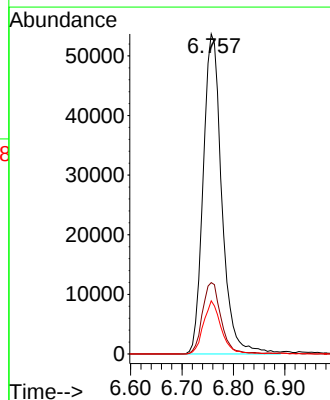
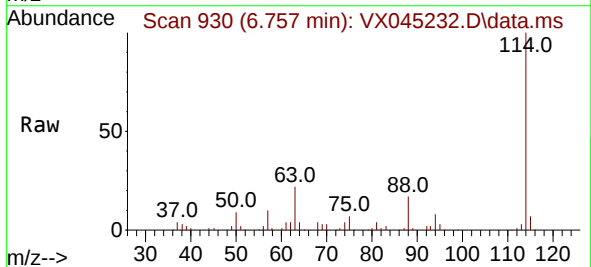
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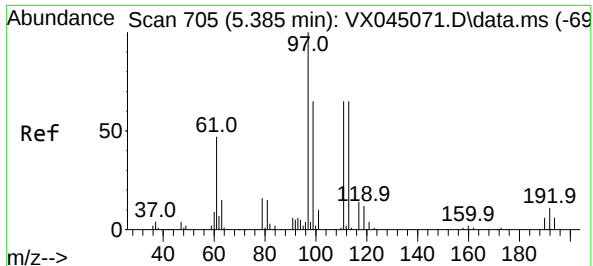
Tgt Ion: 65 Resp: 58096
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX045232.D
 Acq: 11 Mar 2025 18:16

Tgt Ion: 114 Resp: 135056
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 41.8
 88 16.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.312 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX045232.D

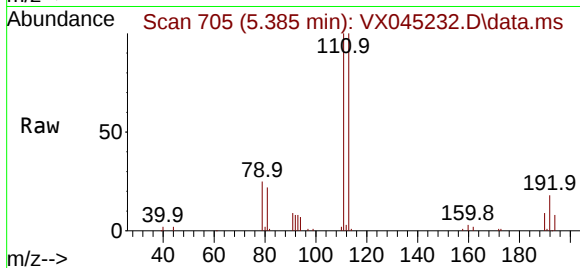
Acq: 11 Mar 2025 18:16

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20250306



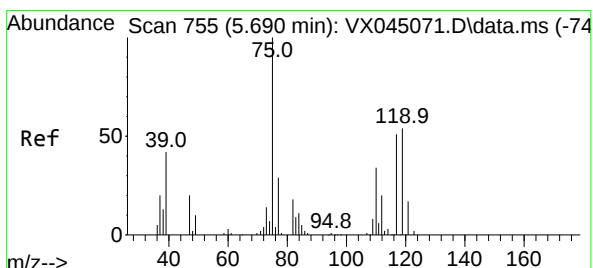
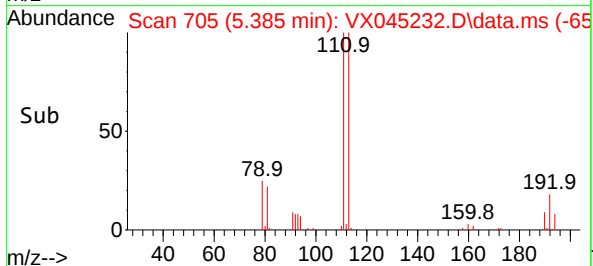
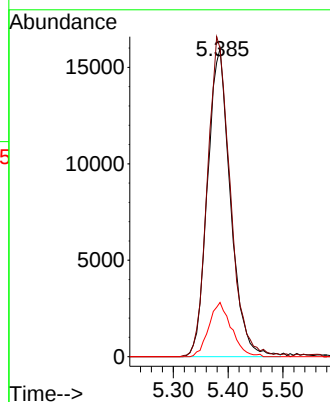
Tgt Ion:113 Resp: 46339

Ion Ratio Lower Upper

113 100

111 103.7 81.8 122.6

192 17.4 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.038 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX045232.D

Acq: 11 Mar 2025 18:16

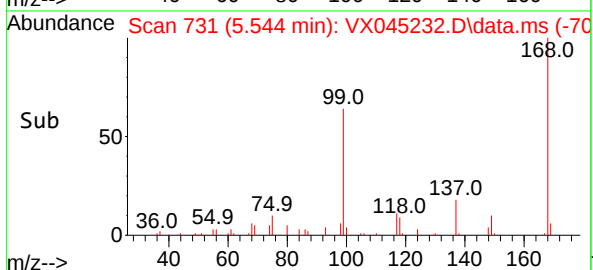
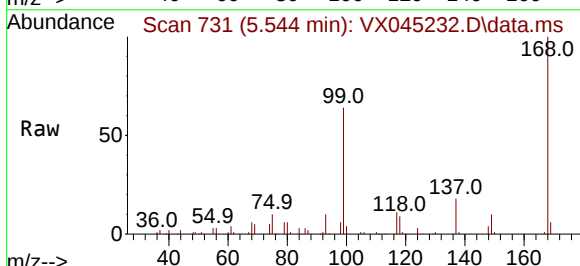
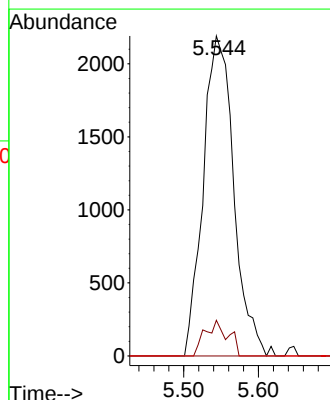
Tgt Ion: 75 Resp: 6240

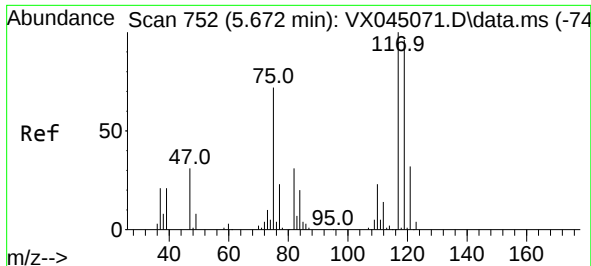
Ion Ratio Lower Upper

75 100

110 8.3 16.9 50.6#

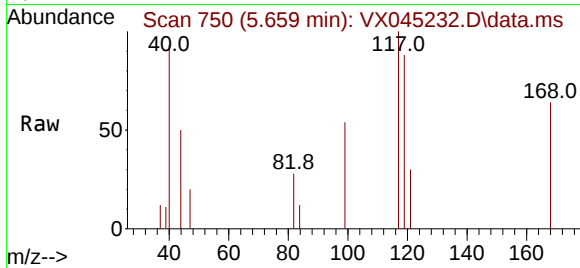
77 0.0 24.5 36.7#



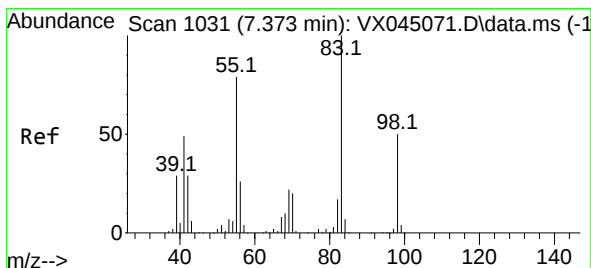
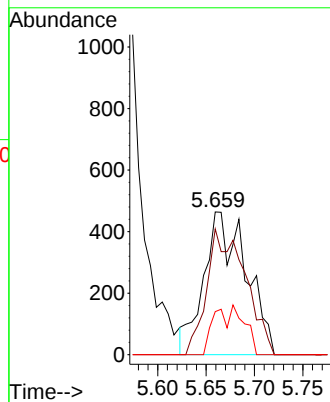
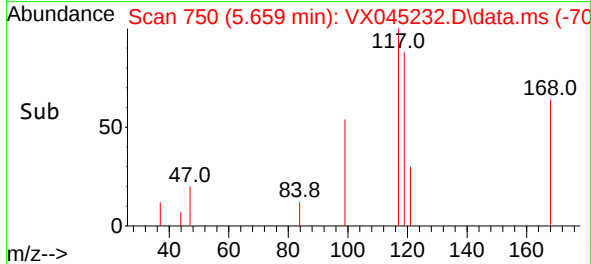


#38
Carbon Tetrachloride
Concen: 1.123 ug/l
RT: 5.659 min Scan# 711
Delta R.T. -0.012 min
Lab File: VX045232.D
Acq: 11 Mar 2025 18:16

Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20250306

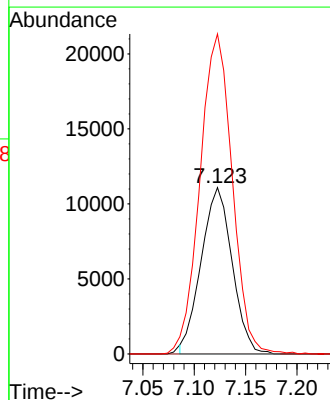
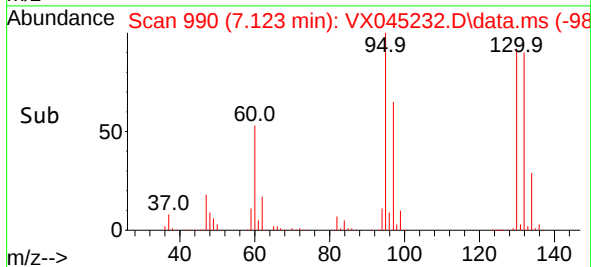
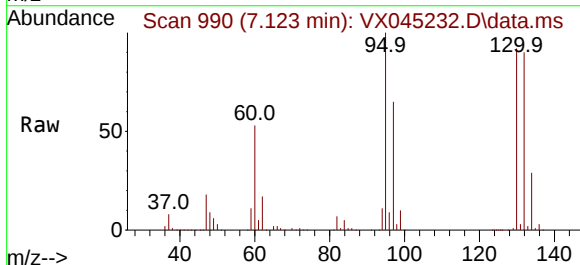


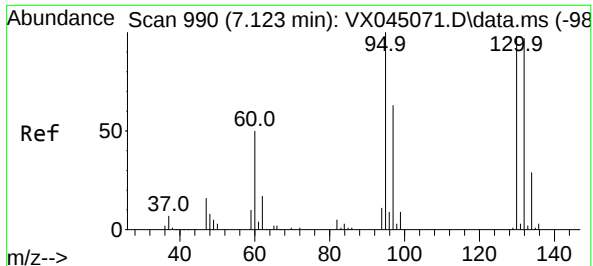
Tgt Ion:117 Resp: 1412
Ion Ratio Lower Upper
117 100
119 88.1 76.7 115.1
121 30.2 25.5 38.3



#39
Methylcyclohexane
Concen: 15.643 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX045232.D
Acq: 11 Mar 2025 18:16

Tgt Ion: 83 Resp: 23214
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 191.0 39.7 59.5#

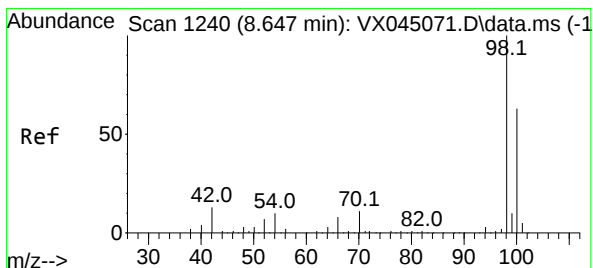
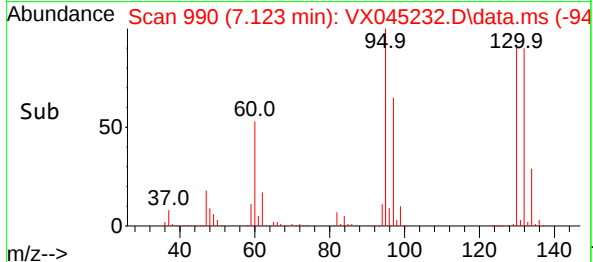
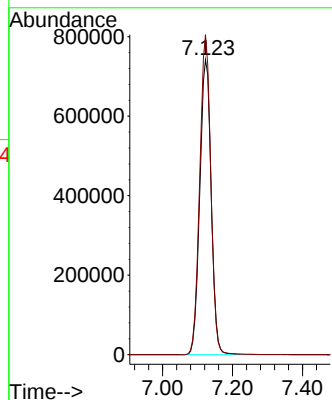
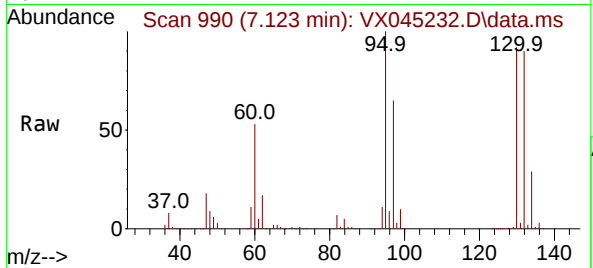




#44
Trichloroethene
Concen: 1824.789 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045232.D
Acq: 11 Mar 2025 18:16

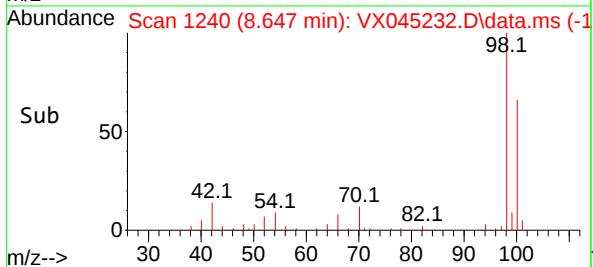
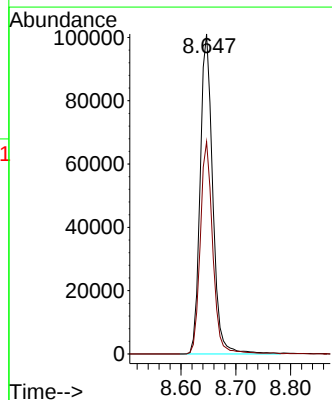
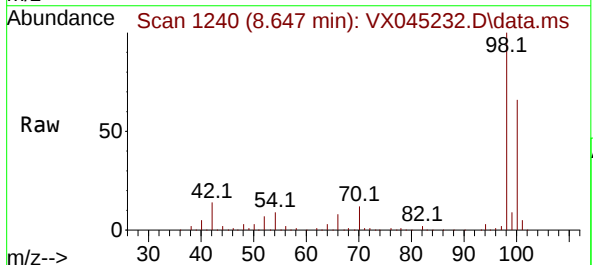
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20250306

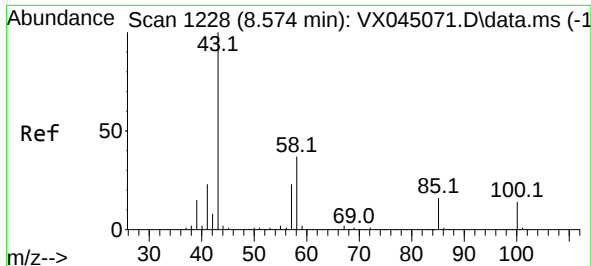
Tgt Ion:130 Resp: 1675715
Ion Ratio Lower Upper
130 100
95 108.5 0.0 205.0



#50
Toluene-d8
Concen: 49.262 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045232.D
Acq: 11 Mar 2025 18:16

Tgt Ion: 98 Resp: 161285
Ion Ratio Lower Upper
98 100
100 65.8 52.0 78.0

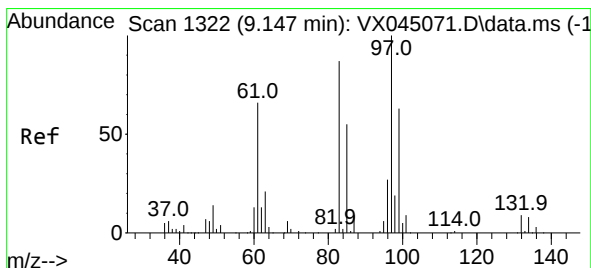
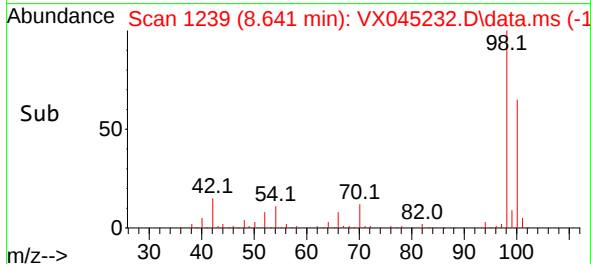
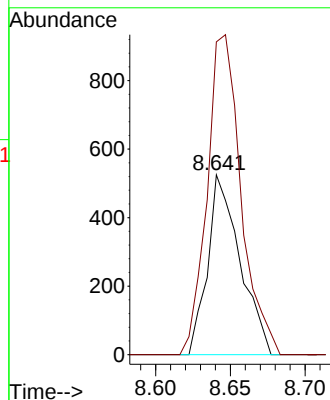
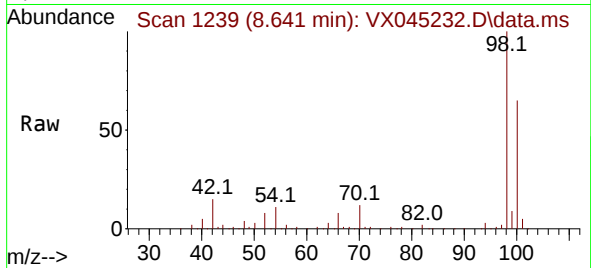




#51
4-Methyl-2-Pentanone
Concen: 0.497 ug/l
RT: 8.641 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX045232.D
Acq: 11 Mar 2025 18:16

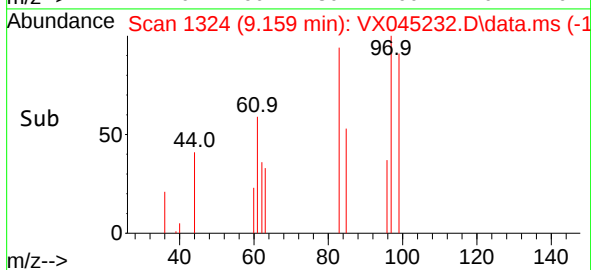
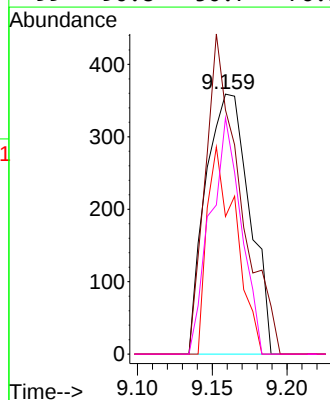
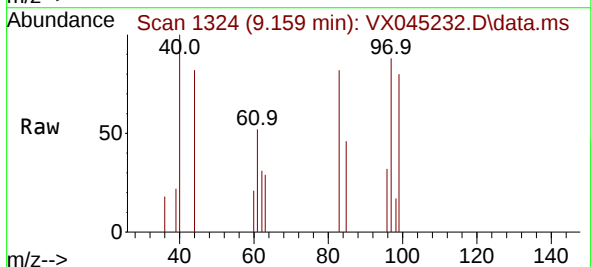
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20250306

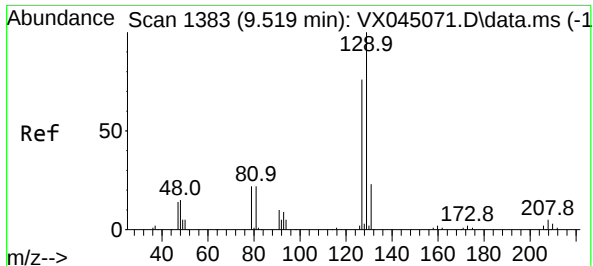
Tgt Ion: 43 Resp: 787
Ion Ratio Lower Upper
43 100
58 187.3 29.2 43.8#



#55
1,1,2-Trichloroethane
Concen: 0.775 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.012 min
Lab File: VX045232.D
Acq: 11 Mar 2025 18:16

Tgt Ion: 97 Resp: 732
Ion Ratio Lower Upper
97 100
83 93.9 69.4 104.2
85 52.9 44.1 66.1
99 90.8 50.7 76.1#

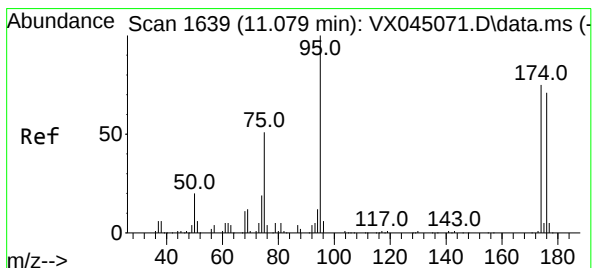
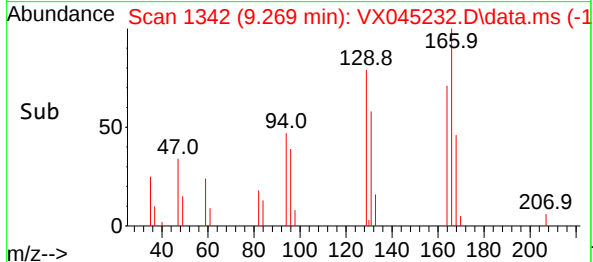
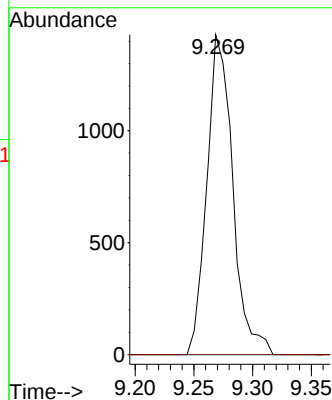
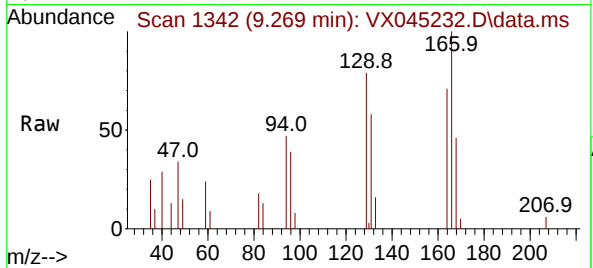




#60
Dibromochloromethane
Concen: 2.218 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX045232.D
Acq: 11 Mar 2025 18:16

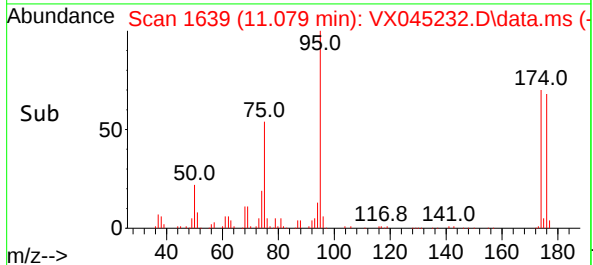
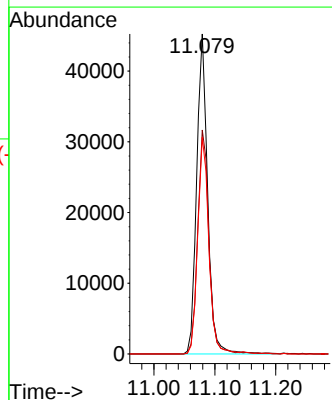
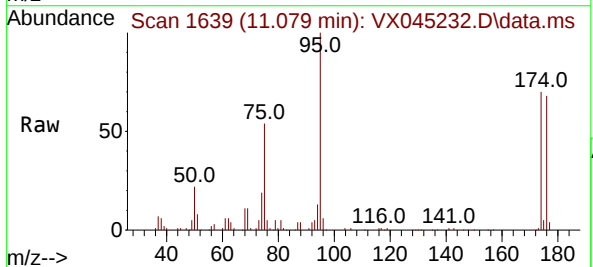
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20250306

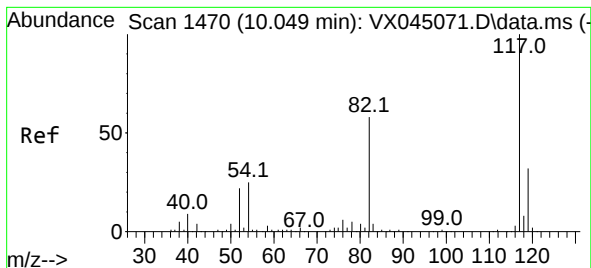
Tgt Ion:129 Resp: 2191
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 52.130 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045232.D
Acq: 11 Mar 2025 18:16

Tgt Ion: 95 Resp: 56556
Ion Ratio Lower Upper
95 100
174 71.7 0.0 148.2
176 68.3 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: VX045232.D

Acq: 11 Mar 2025 18:16

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20250306

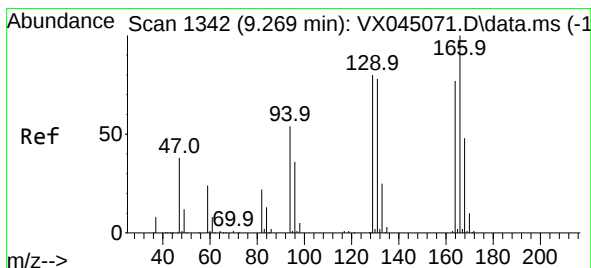
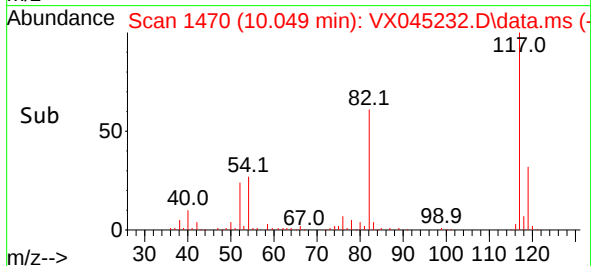
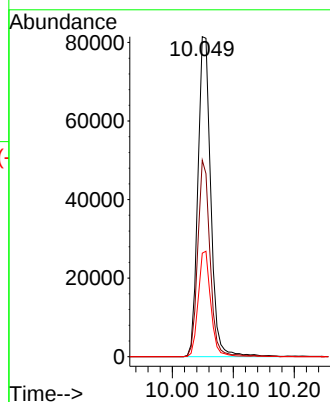
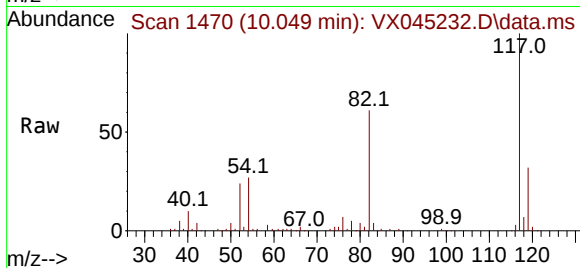
Tgt Ion:117 Resp: 119344

Ion Ratio Lower Upper

117 100

82 61.4 46.3 69.5

119 32.3 25.7 38.5



#64

Tetrachloroethene

Concen: 2.869 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX045232.D

Acq: 11 Mar 2025 18:16

Tgt Ion:164 Resp: 2193

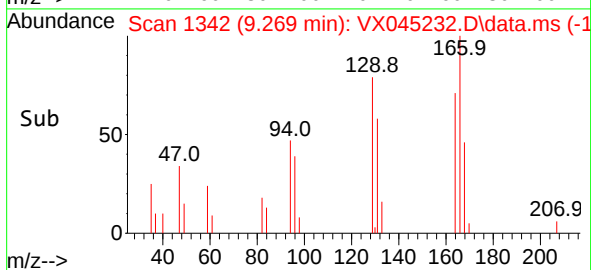
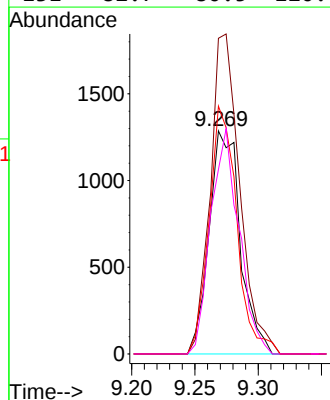
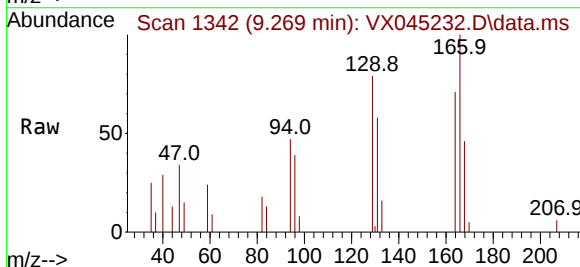
Ion Ratio Lower Upper

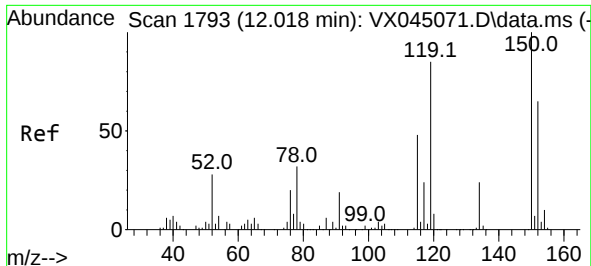
164 100

166 141.5 103.6 155.4

129 111.1 82.7 124.1

131 82.7 80.5 120.7

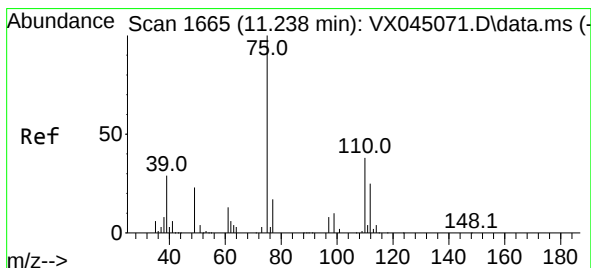
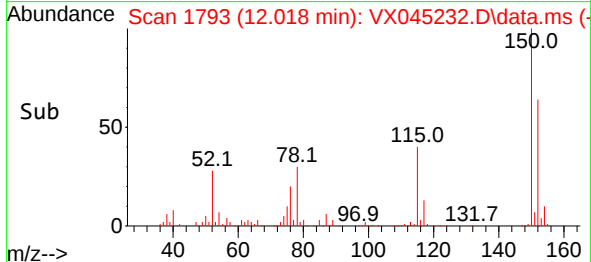
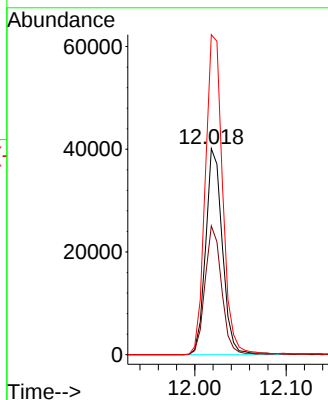
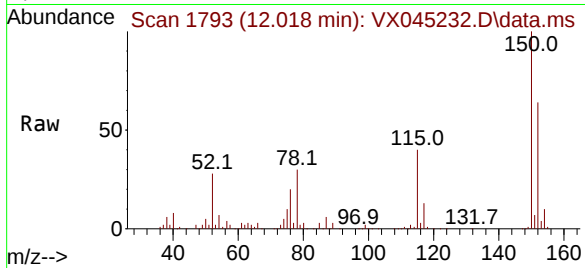




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045232.D
 Acq: 11 Mar 2025 18:16

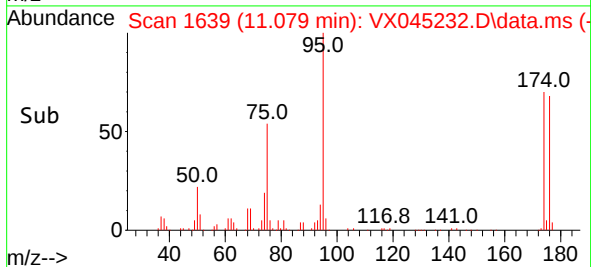
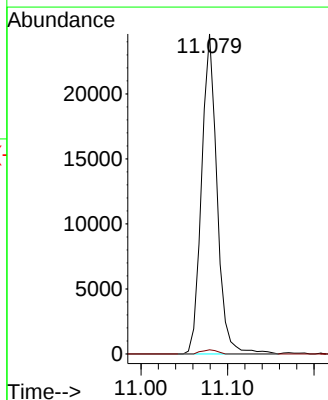
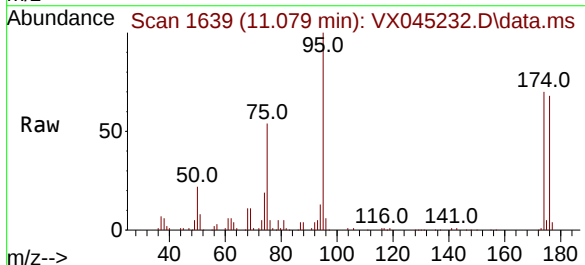
Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D2-20250306

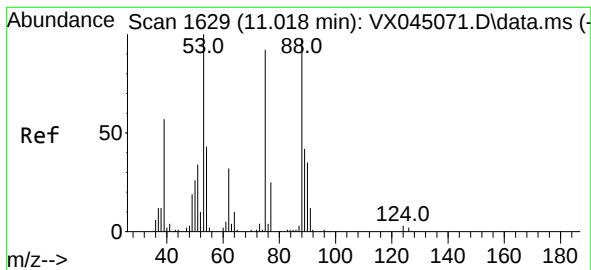
Tgt Ion:152 Resp: 51036
 Ion Ratio Lower Upper
 152 100
 115 62.0 44.2 132.6
 150 160.7 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.719 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045232.D
 Acq: 11 Mar 2025 18:16

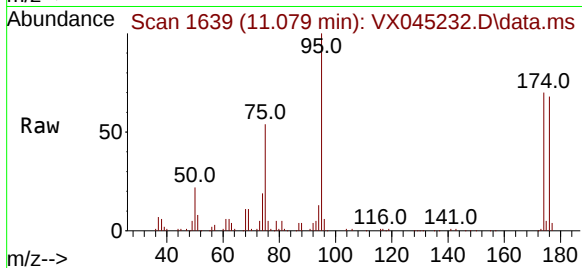
Tgt Ion: 75 Resp: 30551
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.7 62.1#





#81
trans-1,4-Dichloro-2-butene
Concen: 88.016 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045232.D
Acq: 11 Mar 2025 18:16

Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20250306



Tgt Ion: 75 Resp: 30551
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

