

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
 Data File : VX045206.D
 Acq On : 10 Mar 2025 19:07
 Operator : JC/MD
 Sample : Q1531-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D1-20250306

Quant Time: Mar 11 04:01:57 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)

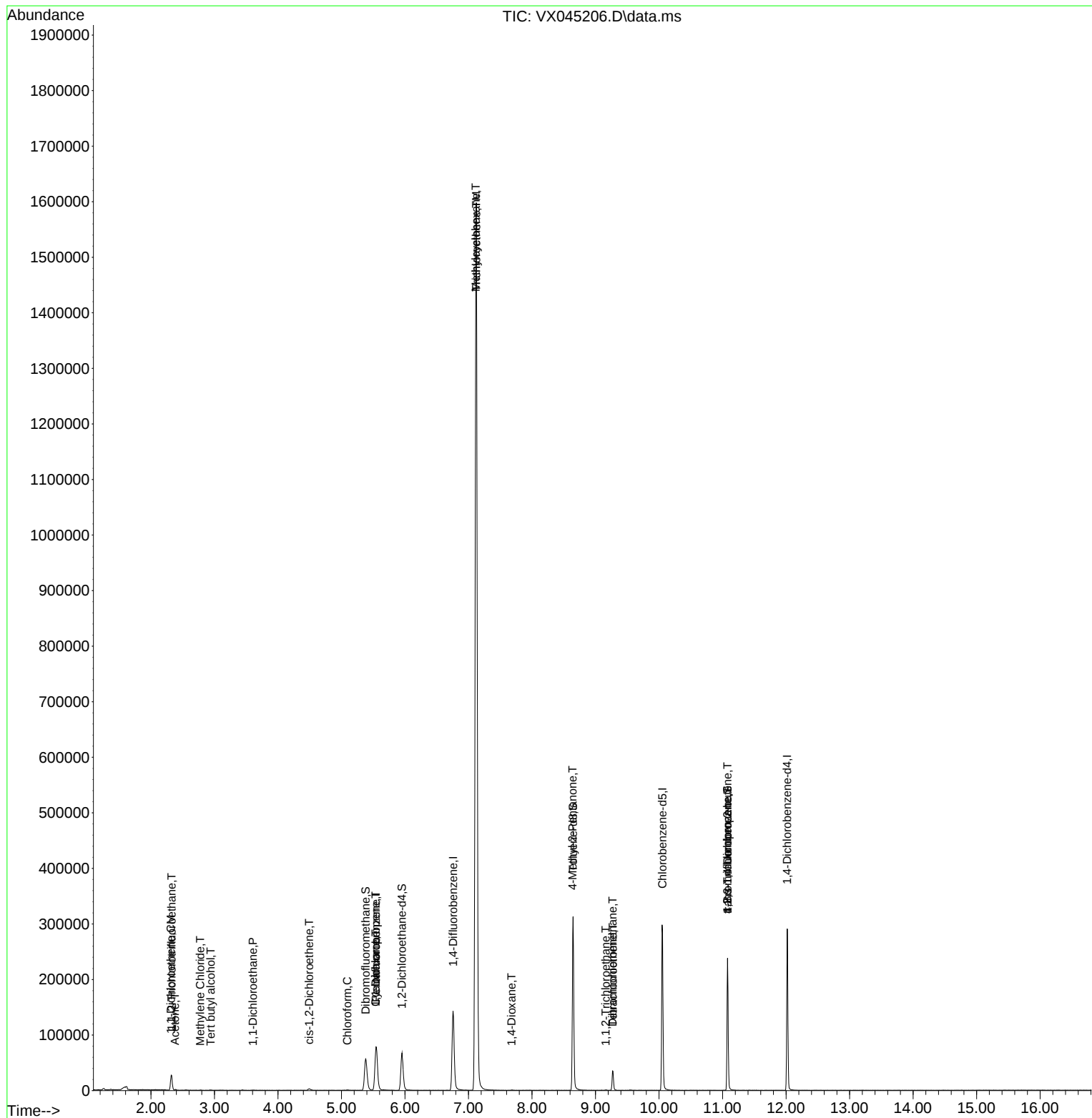
Internal Standards						
1) Pentafluorobenzene	5.544	168	72172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	145463	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	133283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61451	53.529	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.060%	
35) Dibromofluoromethane	5.379	113	48967	50.343	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.680%	
50) Toluene-d8	8.647	98	179471	50.895	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.800%	
62) 4-Bromofluorobenzene	11.079	95	61687	52.791	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 105.580%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.325	101	9288	11.073	ug/l	98
11) Tert butyl alcohol	2.940	59	188	0.865	ug/l #	73
12) 1,1-Dichloroethene	2.312	96	1537	1.733	ug/l #	90
16) Acetone	2.380	43	960	1.802	ug/l	97
20) Methylene Chloride	2.776	84	215	0.204	ug/l #	68
24) 1,1-Dichloroethane	3.605	63	601	0.334	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	1791	1.656	ug/l	90
30) Chloroform	5.092	83	484	0.271	ug/l	97
31) Cyclohexane	5.538	56	1947	1.247	ug/l #	8
36) 1,1-Dichloropropene	5.538	75	6377	4.781	ug/l #	49
39) Methylcyclohexane	7.117	83	8267	5.172	ug/l #	1
44) Trichloroethene	7.123	130	596882	603.479	ug/l	98
49) 1,4-Dioxane	7.677	88	364	13.533	ug/l #	81
51) 4-Methyl-2-Pentanone	8.641	43	969	0.568	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	287	0.282	ug/l #	90
60) Dibromochloromethane	9.269	129	6861	6.450	ug/l #	11
64) Tetrachloroethene	9.275	164	6802	7.968	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	33531	26.503	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33531	90.697	ug/l #	6

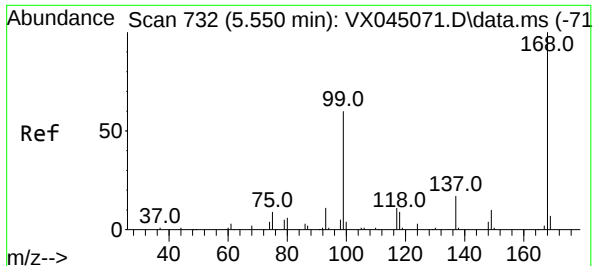
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :
RE103D1-20250306

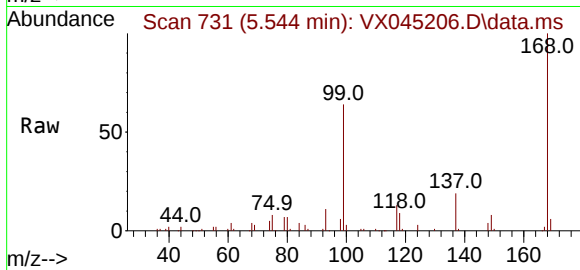
Quant Time: Mar 11 04:01:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



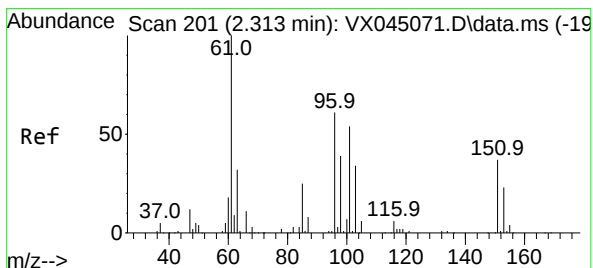
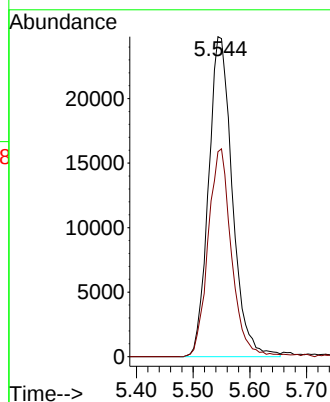
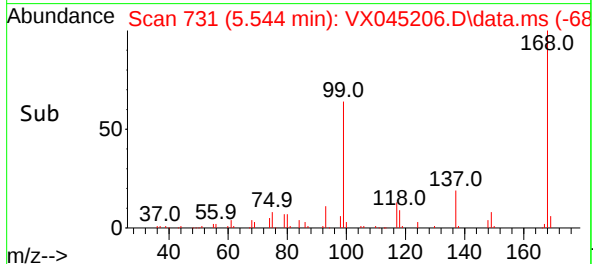


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045206.D
Acq: 10 Mar 2025 19:07

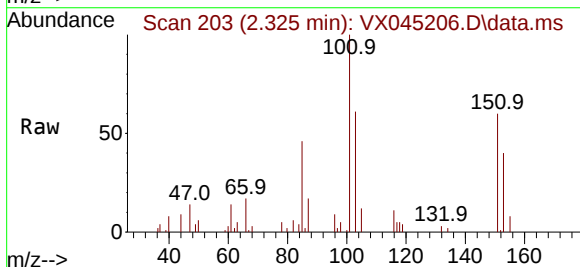
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20250306



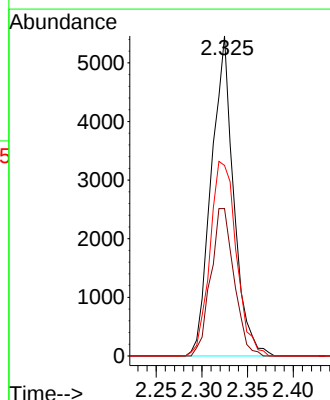
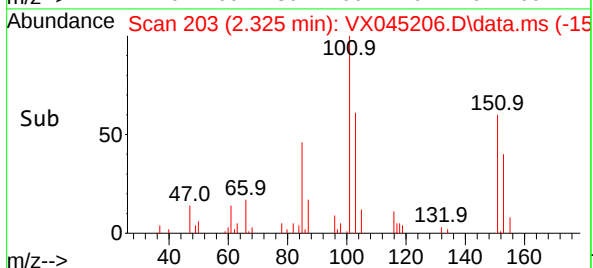
Tgt Ion:168 Resp: 72172
Ion Ratio Lower Upper
168 100
99 64.0 48.2 72.4

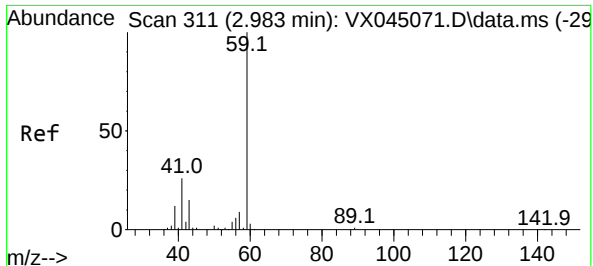


#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.073 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.012 min
Lab File: VX045206.D
Acq: 10 Mar 2025 19:07



Tgt Ion:101 Resp: 9288
Ion Ratio Lower Upper
101 100
85 47.9 36.2 54.4
151 71.6 56.4 84.6





#11

Tert butyl alcohol

Concen: 0.865 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.043 min

Lab File: VX045206.D

Acq: 10 Mar 2025 19:07

Instrument :

MSVOA_X

ClientSampleId :

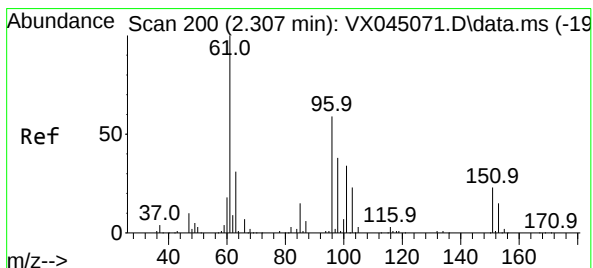
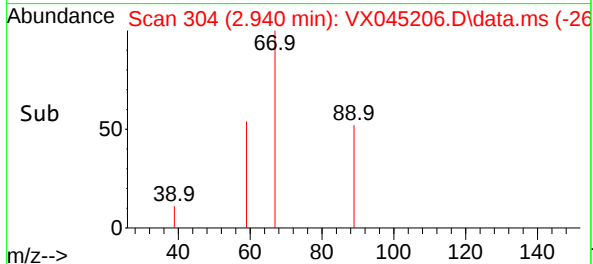
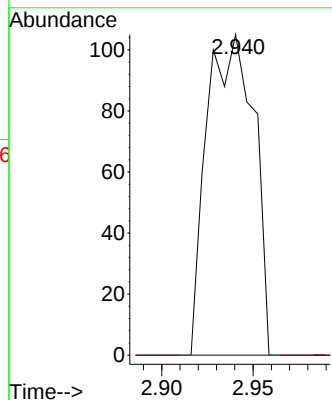
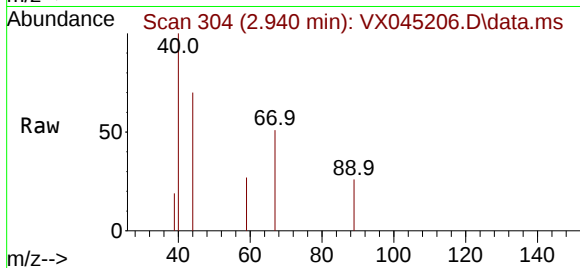
RE103D1-20250306

Tgt Ion: 59 Resp: 188

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#12

1,1-Dichloroethene

Concen: 1.733 ug/l

RT: 2.312 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX045206.D

Acq: 10 Mar 2025 19:07

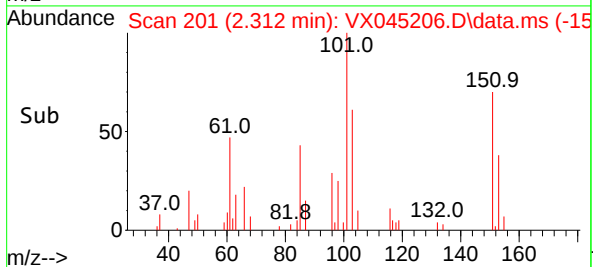
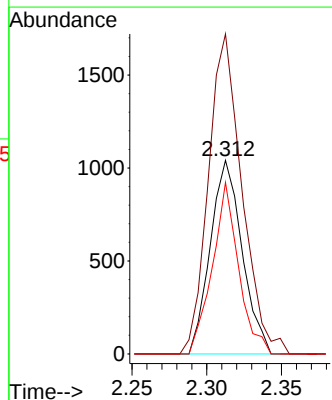
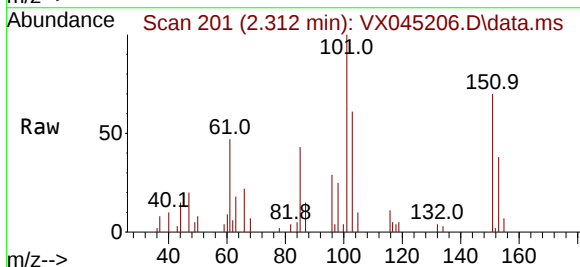
Tgt Ion: 96 Resp: 1537

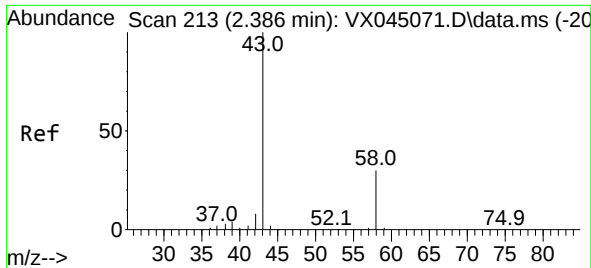
Ion Ratio Lower Upper

96 100

61 165.3 134.6 202.0

98 88.6 51.0 76.6#

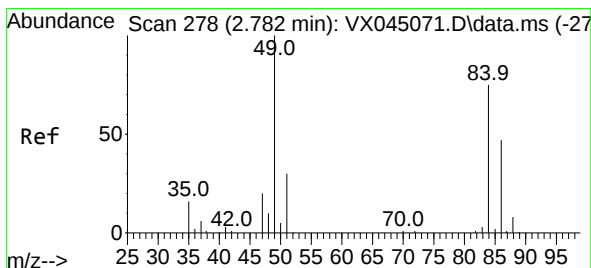
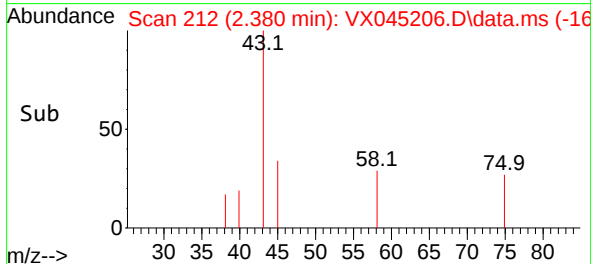
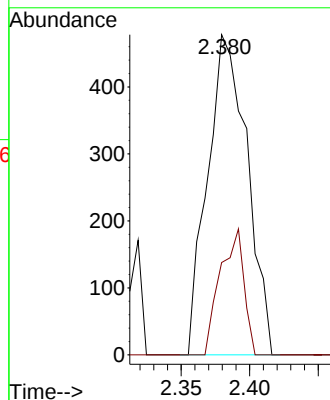
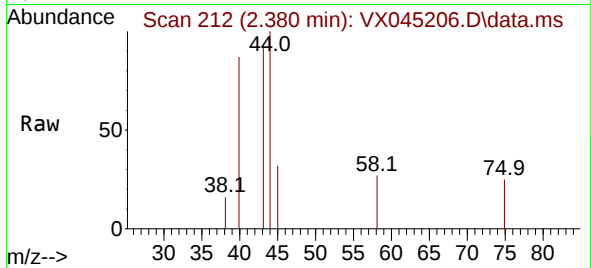




#16
Acetone
Concen: 1.802 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045206.D
Acq: 10 Mar 2025 19:07

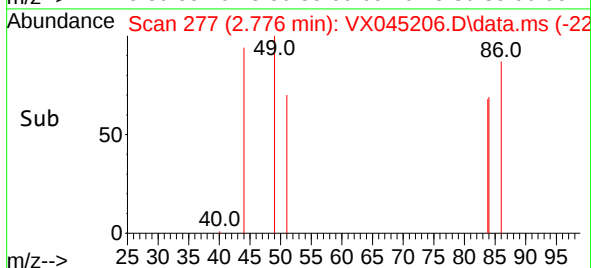
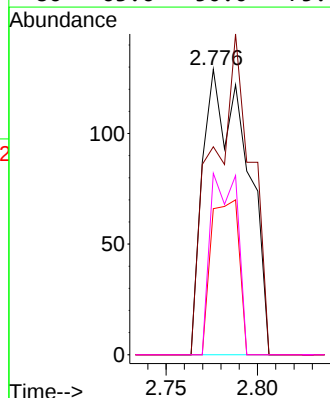
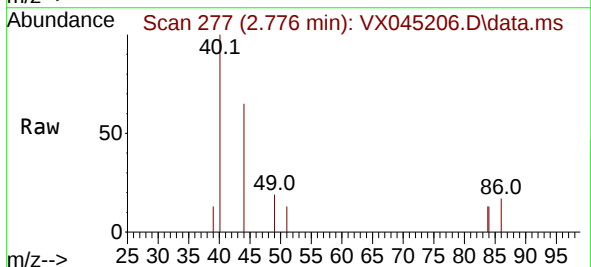
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20250306

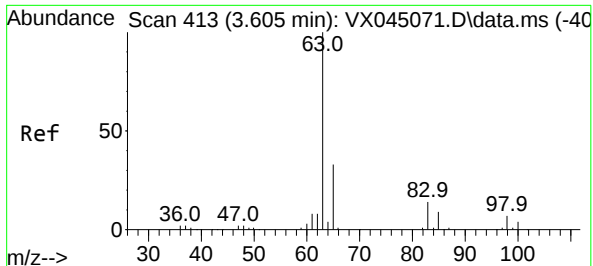
Tgt Ion: 43 Resp: 960
Ion Ratio Lower Upper
43 100
58 28.9 24.2 36.4



#20
Methylene Chloride
Concen: 0.204 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.006 min
Lab File: VX045206.D
Acq: 10 Mar 2025 19:07

Tgt Ion: 84 Resp: 215
Ion Ratio Lower Upper
84 100
49 72.9 106.5 159.7#
51 51.2 32.1 48.1#
86 63.6 50.0 75.0

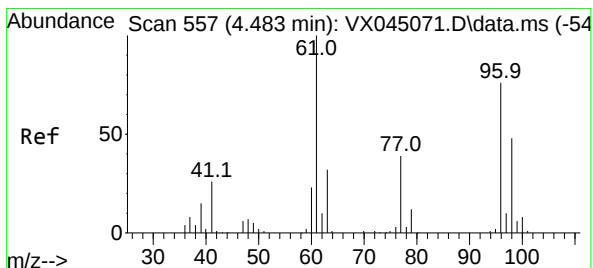
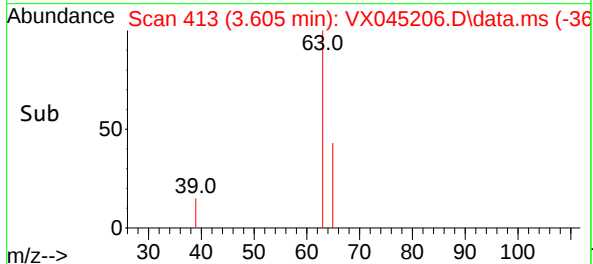
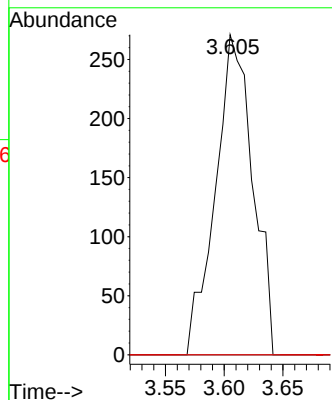
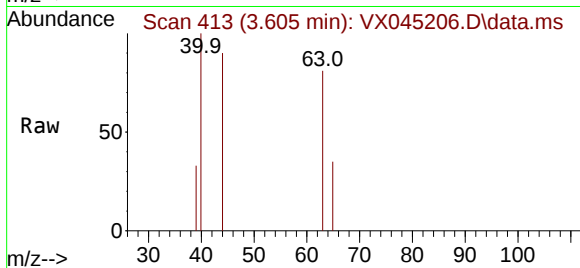




#24
1,1-Dichloroethane
Concen: 0.334 ug/l
RT: 3.605 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX045206.D
Acq: 10 Mar 2025 19:07

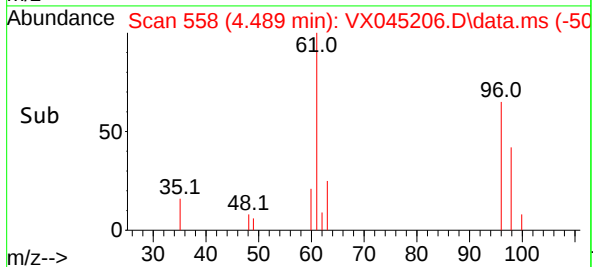
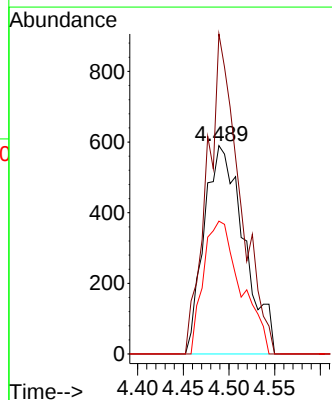
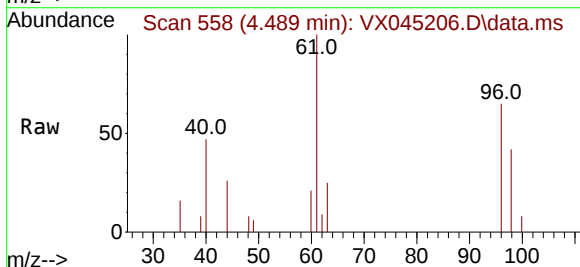
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20250306

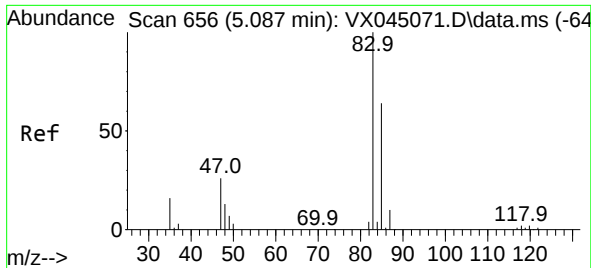
Tgt Ion: 63 Resp: 601
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.2#
100 0.0 2.1 6.5#



#27
cis-1,2-Dichloroethene
Concen: 1.656 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX045206.D
Acq: 10 Mar 2025 19:07

Tgt Ion: 96 Resp: 1791
Ion Ratio Lower Upper
96 100
61 126.1 0.0 283.2
98 59.9 0.0 128.0

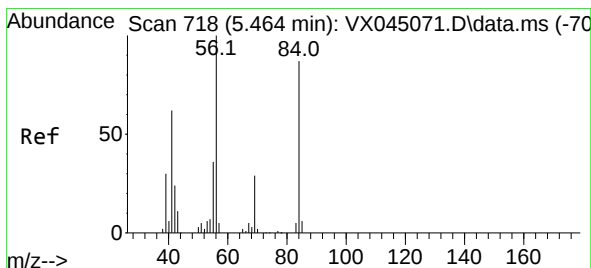
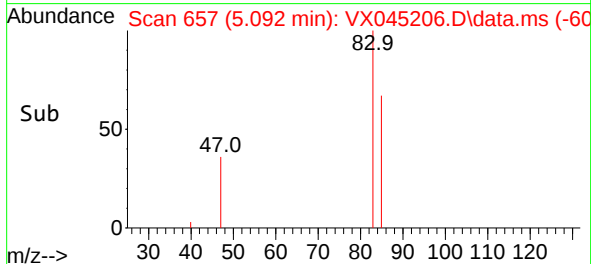
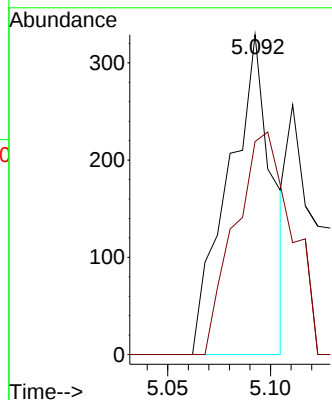
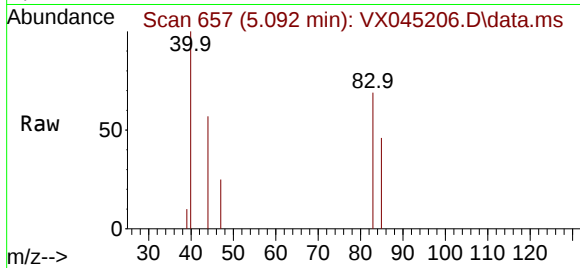




#30
Chloroform
Concen: 0.271 ug/l
RT: 5.092 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX045206.D
Acq: 10 Mar 2025 19:07

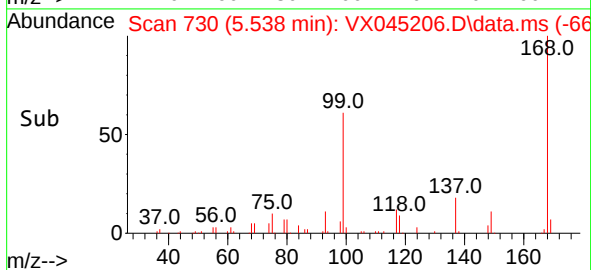
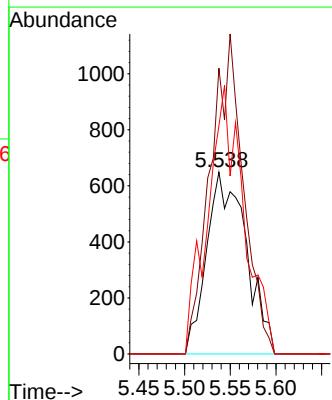
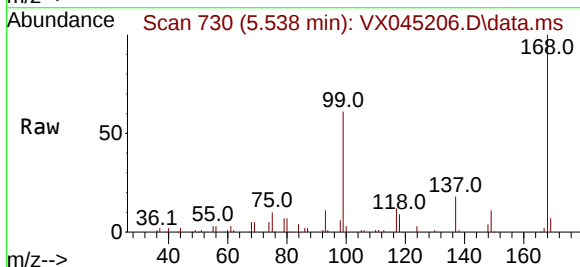
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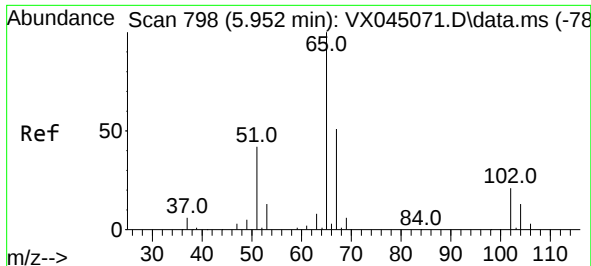
Tgt Ion: 83 Resp: 484
Ion Ratio Lower Upper
83 100
85 66.6 51.4 77.2



#31
Cyclohexane
Concen: 1.247 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX045206.D
Acq: 10 Mar 2025 19:07

Tgt Ion: 56 Resp: 1947
Ion Ratio Lower Upper
56 100
69 157.2 23.4 35.2#
84 125.6 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 53.529 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045206.D

Acq: 10 Mar 2025 19:07

Instrument :

MSVOA_X

ClientSampleId :

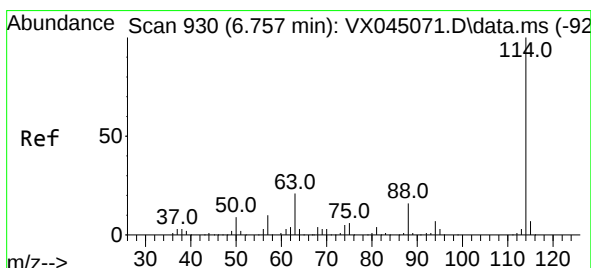
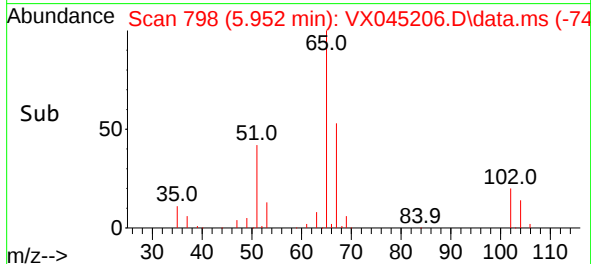
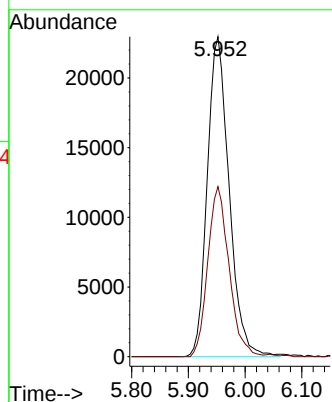
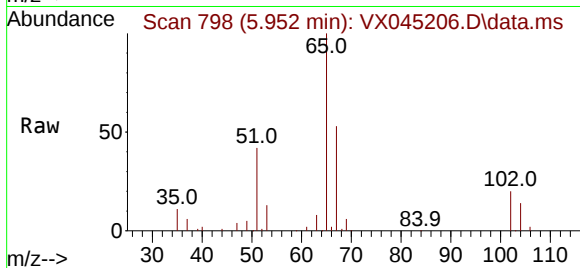
RE103D1-20250306

Tgt Ion: 65 Resp: 61451

Ion Ratio Lower Upper

65 100

67 51.8 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: VX045206.D

Acq: 10 Mar 2025 19:07

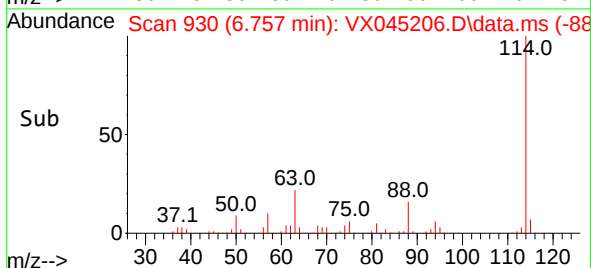
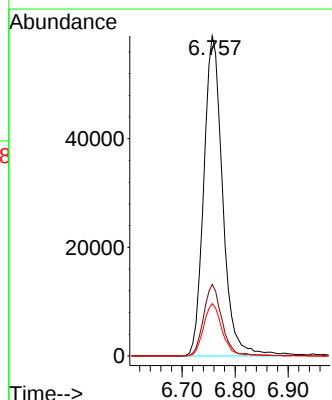
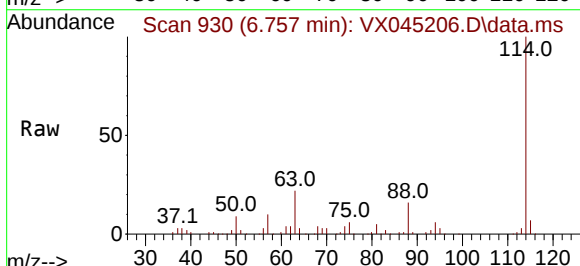
Tgt Ion: 114 Resp: 145463

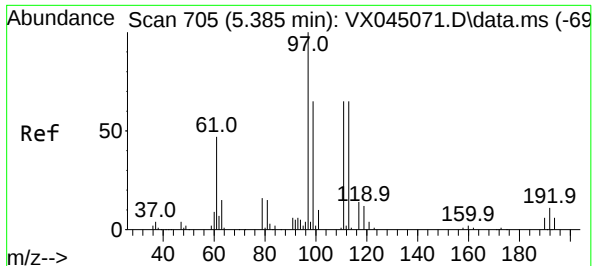
Ion Ratio Lower Upper

114 100

63 22.4 0.0 41.8

88 16.3 0.0 32.8

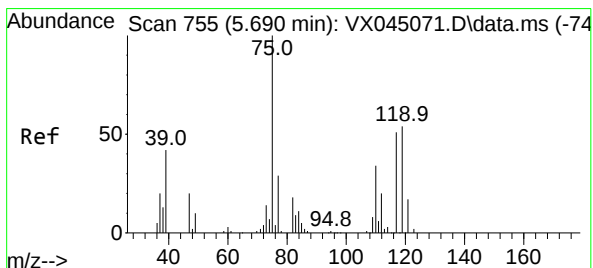
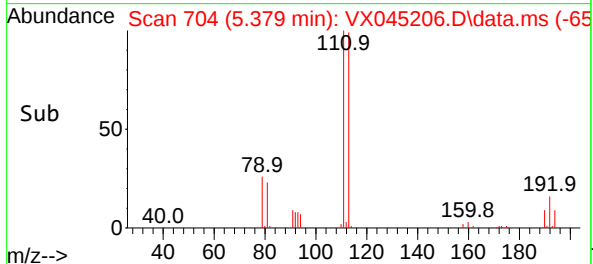
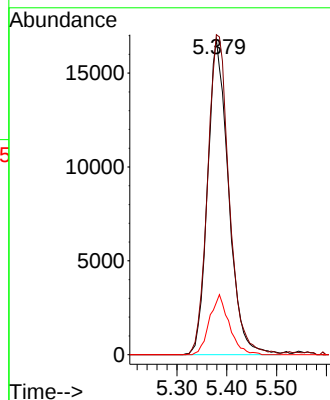
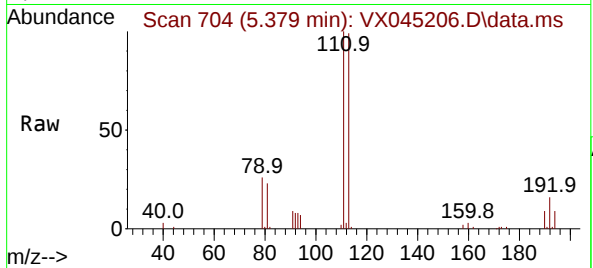




#35
Dibromofluoromethane
Concen: 50.343 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX045206.D
Acq: 10 Mar 2025 19:07

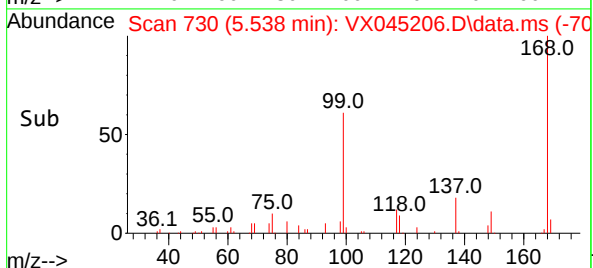
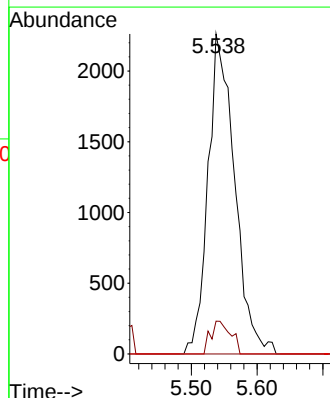
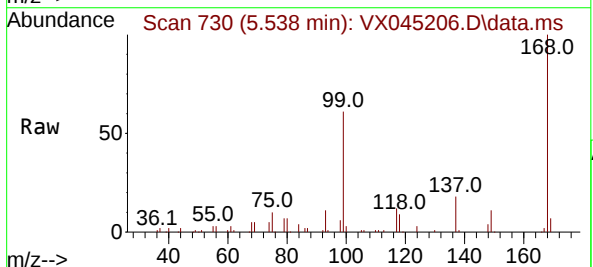
Instrument :
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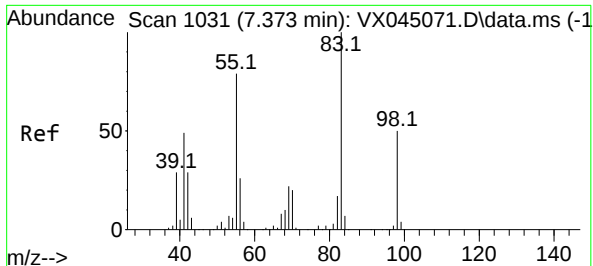
Tgt Ion:	113	Resp:	48967
Ion	Ratio	Lower	Upper
113	100		
111	104.6	81.8	122.6
192	17.9	14.3	21.5



#36
1,1-Dichloropropene
Concen: 4.781 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.153 min
Lab File: VX045206.D
Acq: 10 Mar 2025 19:07

Tgt Ion:	75	Resp:	6377
Ion	Ratio	Lower	Upper
75	100		
110	7.7	16.9	50.6#
77	0.0	24.5	36.7#





#39

Methylcyclohexane

Concen: 5.172 ug/l

RT: 7.117 min Scan# 989

Delta R.T. -0.256 min

Lab File: VX045206.D

Acq: 10 Mar 2025 19:07

Instrument :

MSVOA_X

ClientSampleId :

RE103D1-20250306

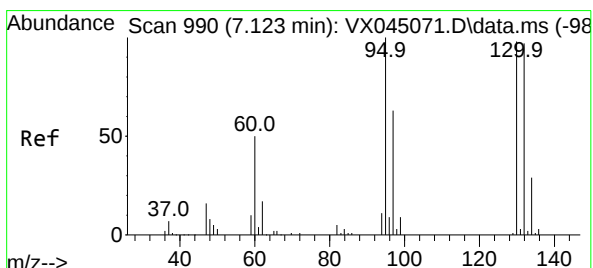
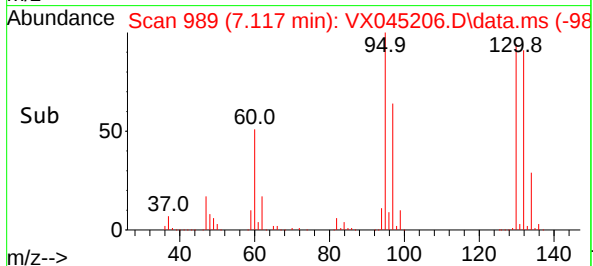
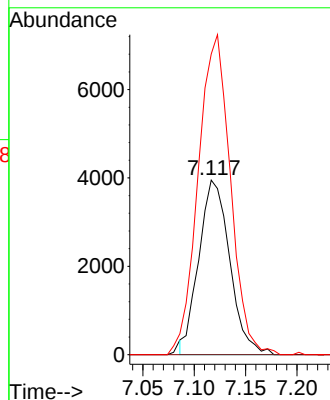
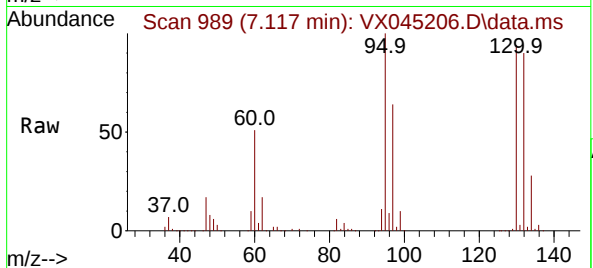
Tgt Ion: 83 Resp: 8267

Ion Ratio Lower Upper

83 100

55 0.0 63.0 94.4#

98 172.2 39.7 59.5#



#44

Trichloroethene

Concen: 603.479 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX045206.D

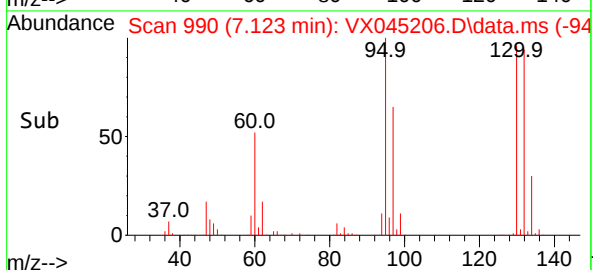
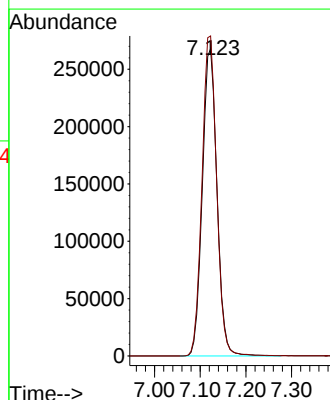
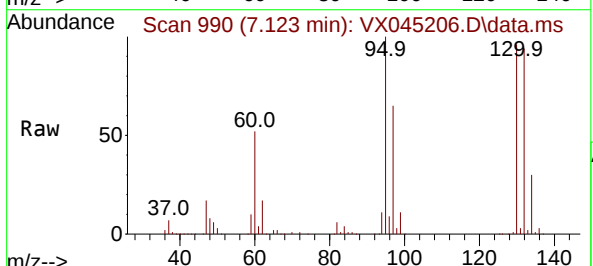
Acq: 10 Mar 2025 19:07

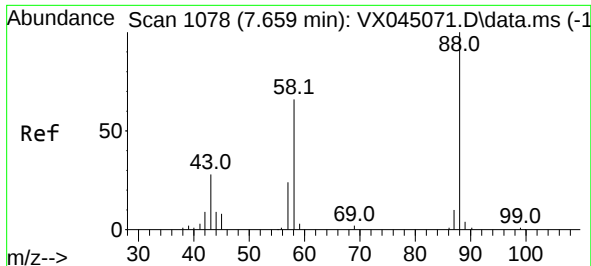
Tgt Ion:130 Resp: 596882

Ion Ratio Lower Upper

130 100

95 104.2 0.0 205.0





#49

1,4-Dioxane

Concen: 13.533 ug/l

RT: 7.677 min Scan# 1078

Delta R.T. 0.018 min

Lab File: VX045206.D

Acq: 10 Mar 2025 19:07

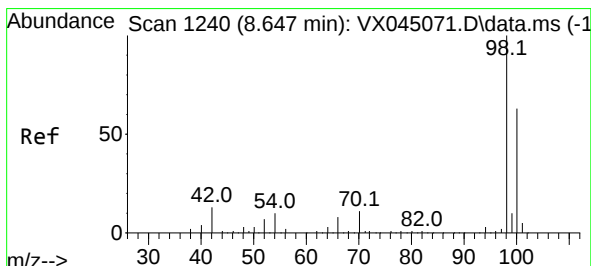
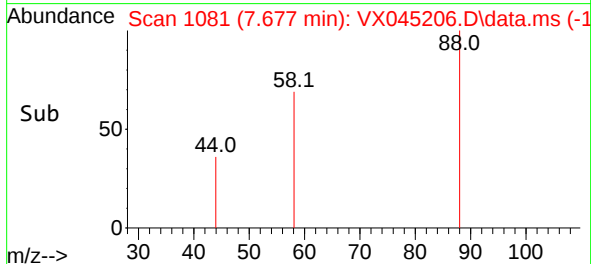
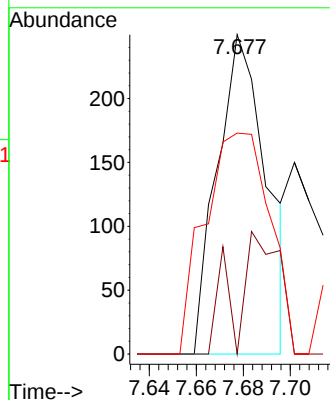
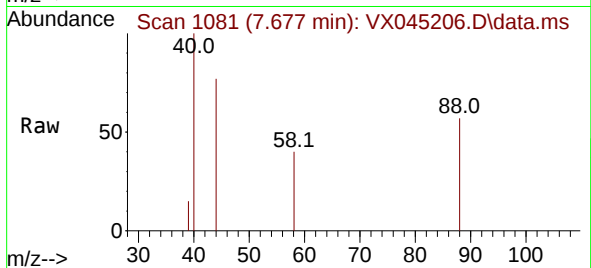
Instrument :

MSVOA_X

ClientSampleId :

RE103D1-20250306

Tgt Ion:	88	Resp:	364
Ion	Ratio	Lower	Upper
88	100		
43	34.1	28.7	43.1
58	91.8	55.8	83.8#



#50

Toluene-d8

Concen: 50.895 ug/l

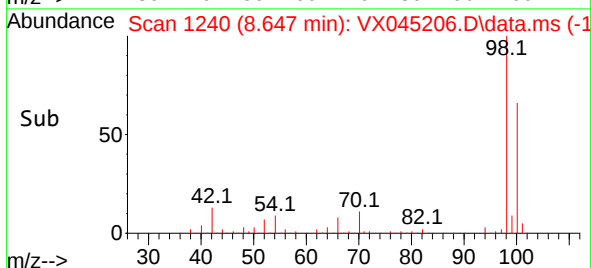
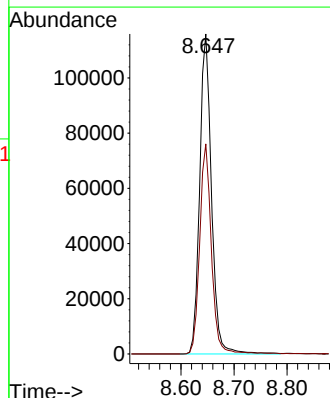
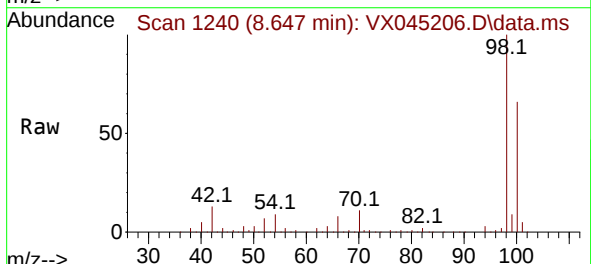
RT: 8.647 min Scan# 1240

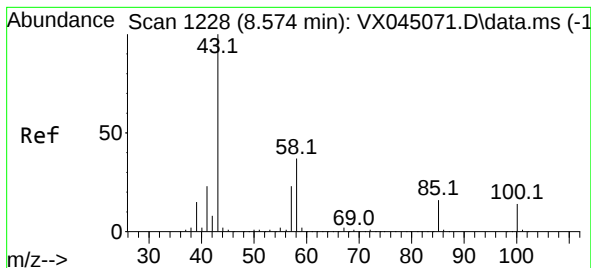
Delta R.T. -0.000 min

Lab File: VX045206.D

Acq: 10 Mar 2025 19:07

Tgt Ion:	98	Resp:	179471
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.0	78.0

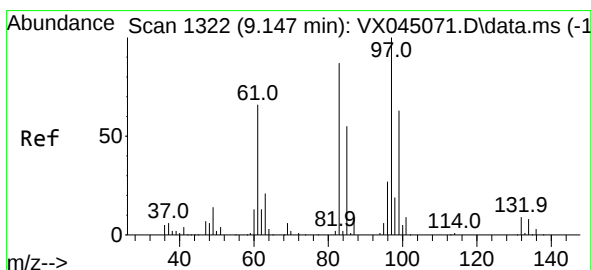
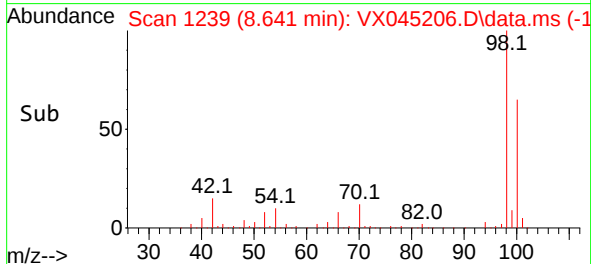
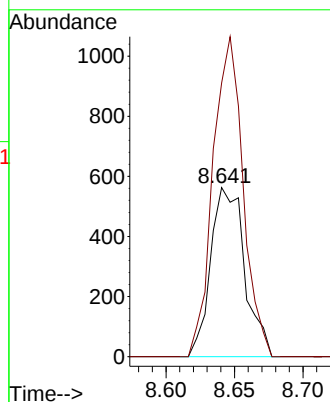
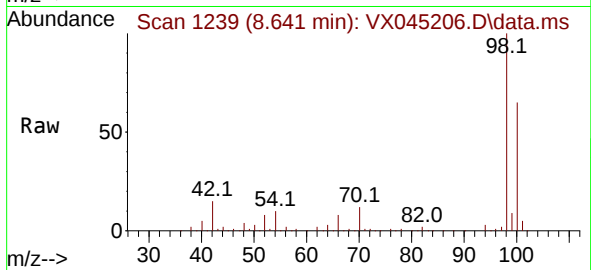




#51
4-Methyl-2-Pentanone
Concen: 0.568 ug/l
RT: 8.641 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX045206.D
Acq: 10 Mar 2025 19:07

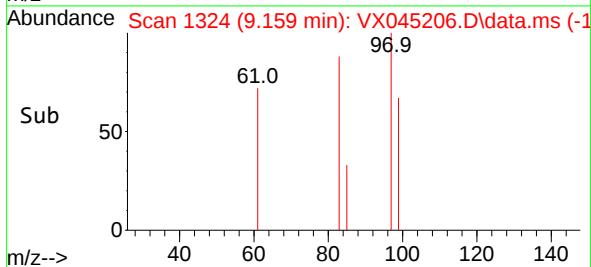
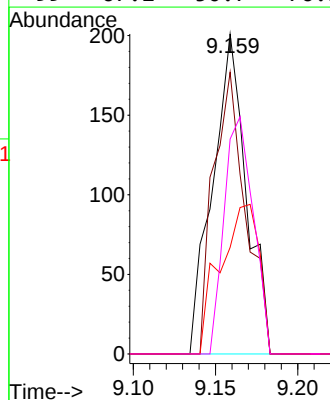
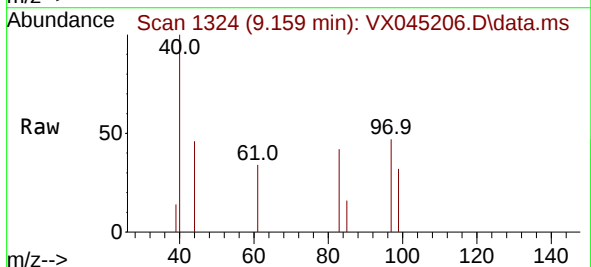
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20250306

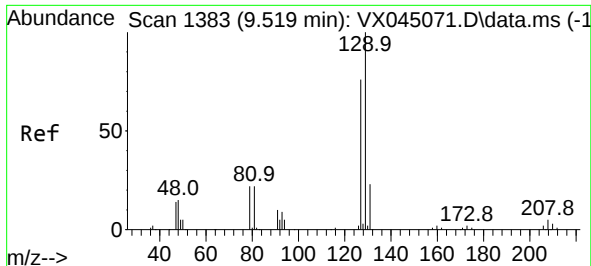
Tgt Ion: 43 Resp: 969
Ion Ratio Lower Upper
43 100
58 168.1 29.2 43.8#



#55
1,1,2-Trichloroethane
Concen: 0.282 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.012 min
Lab File: VX045206.D
Acq: 10 Mar 2025 19:07

Tgt Ion: 97 Resp: 287
Ion Ratio Lower Upper
97 100
83 88.1 69.4 104.2
85 33.3 44.1 66.1#
99 67.2 50.7 76.1

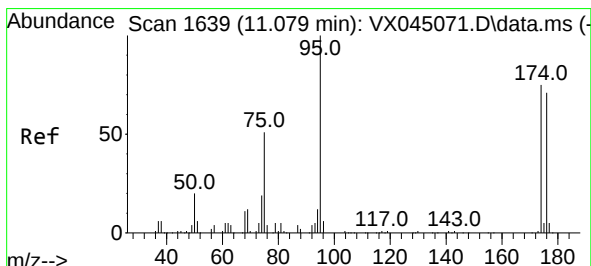
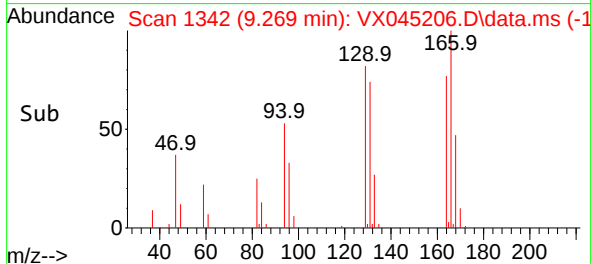
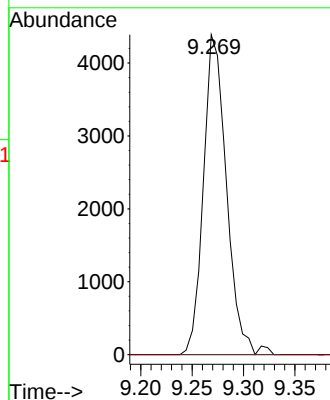
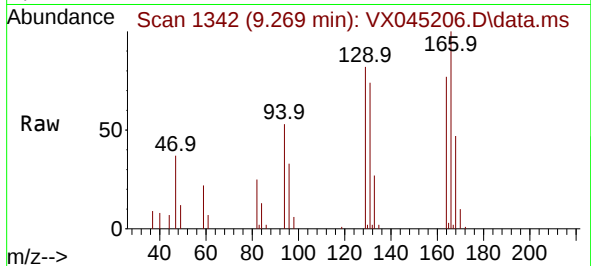




#60
Dibromochloromethane
Concen: 6.450 ug/l
RT: 9.269 min Scan# 1133
Delta R.T. -0.250 min
Lab File: VX045206.D
Acq: 10 Mar 2025 19:07

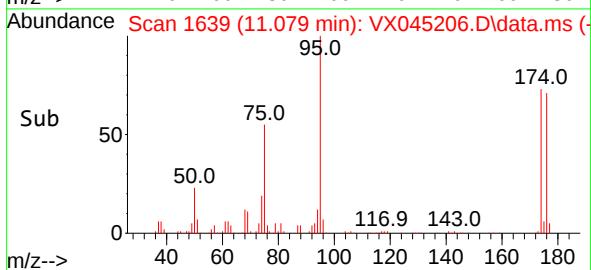
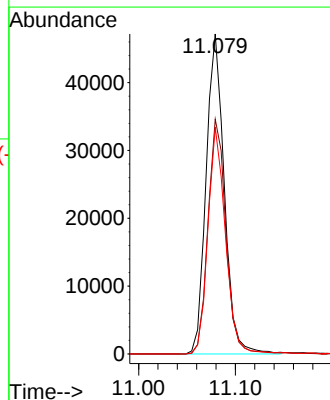
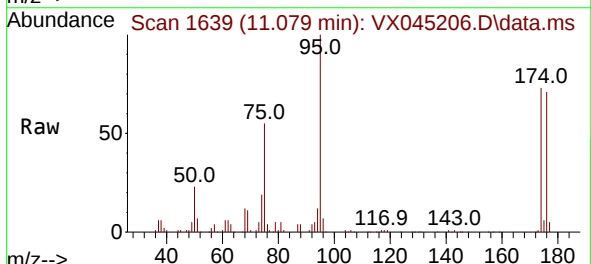
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20250306

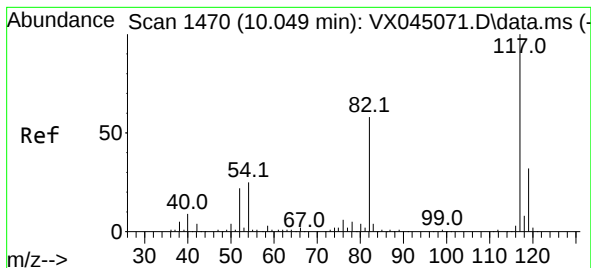
Tgt Ion:129 Resp: 6861
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 52.791 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045206.D
Acq: 10 Mar 2025 19:07

Tgt Ion: 95 Resp: 61687
Ion Ratio Lower Upper
95 100
174 72.2 0.0 148.2
176 68.6 0.0 141.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX045206.D

Acq: 10 Mar 2025 19:07

Instrument :

MSVOA_X

ClientSampleId :

RE103D1-20250306

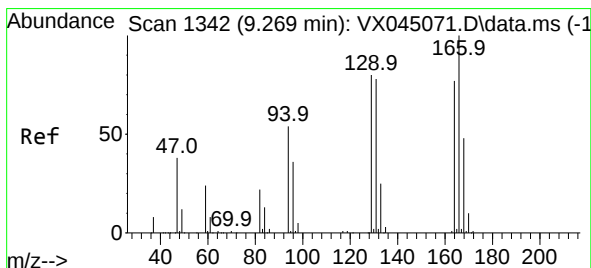
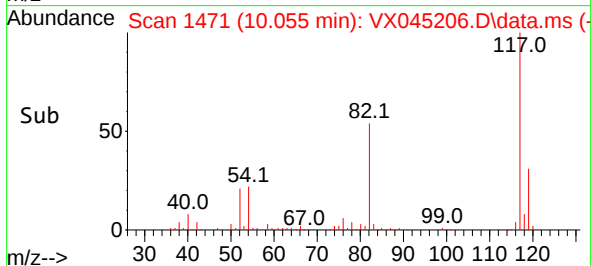
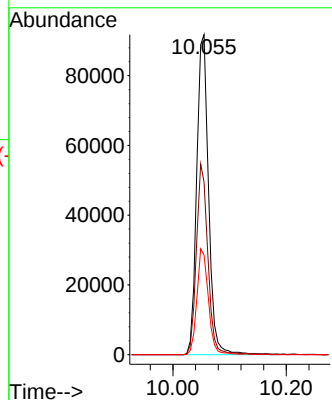
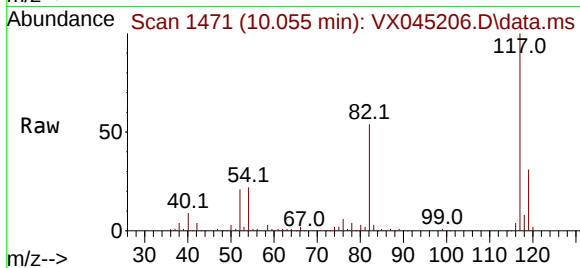
Tgt Ion:117 Resp: 133283

Ion Ratio Lower Upper

117 100

82 54.0 46.3 69.5

119 31.1 25.7 38.5



#64

Tetrachloroethene

Concen: 7.968 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX045206.D

Acq: 10 Mar 2025 19:07

Tgt Ion:164 Resp: 6802

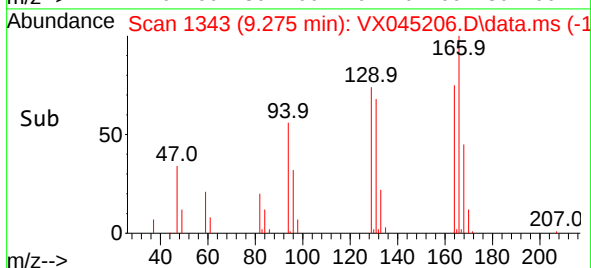
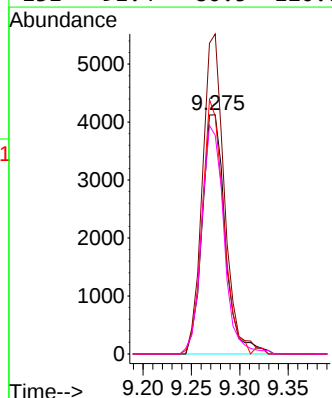
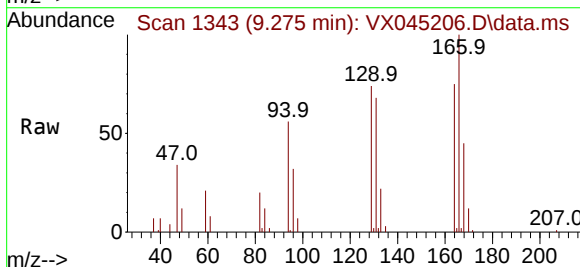
Ion Ratio Lower Upper

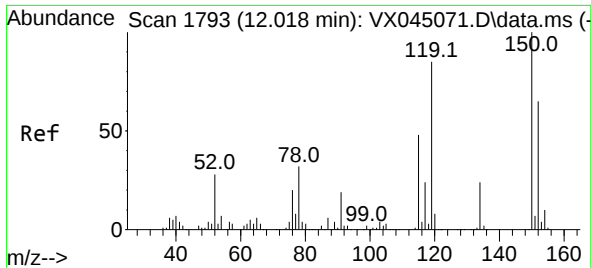
164 100

166 133.8 103.6 155.4

129 99.3 82.7 124.1

131 91.4 80.5 120.7

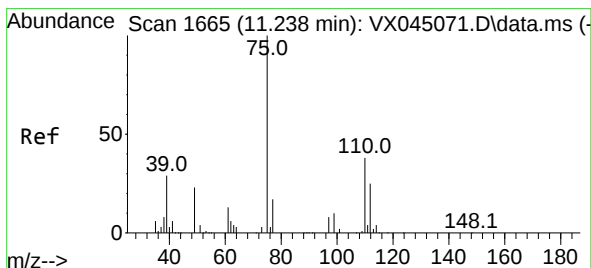
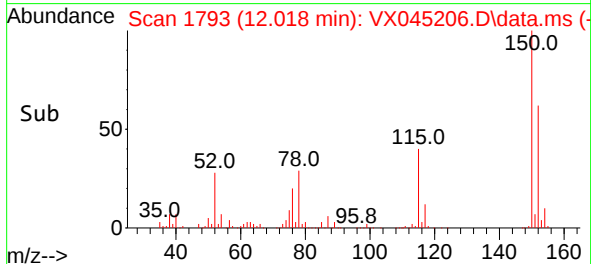
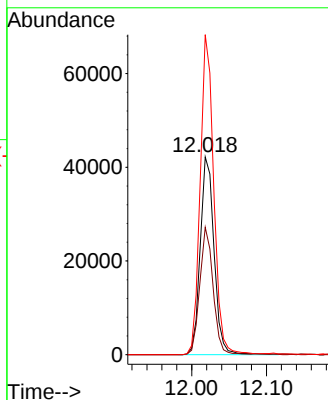
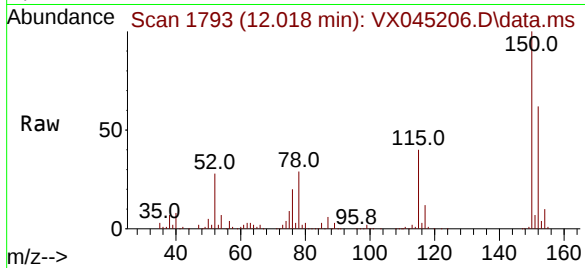




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX045206.D
 Acq: 10 Mar 2025 19:07

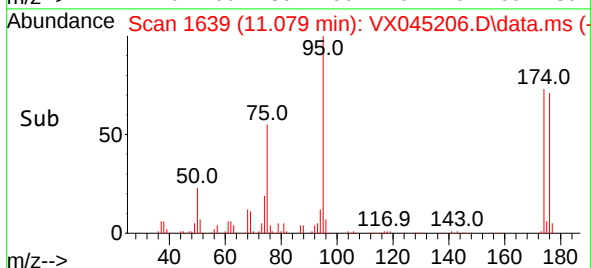
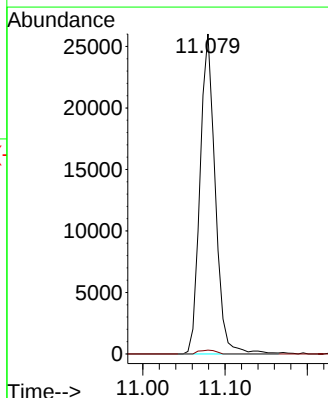
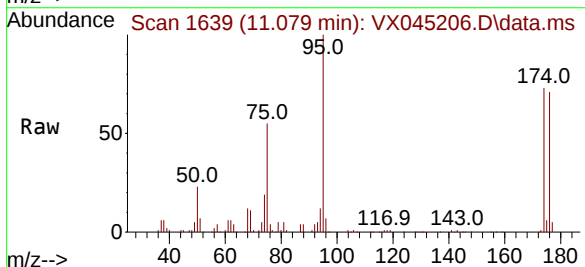
Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D1-20250306

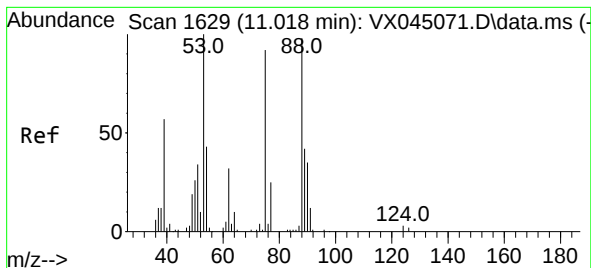
Tgt Ion:152 Resp: 54358
 Ion Ratio Lower Upper
 152 100
 115 62.1 44.2 132.6
 150 158.1 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.503 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045206.D
 Acq: 10 Mar 2025 19:07

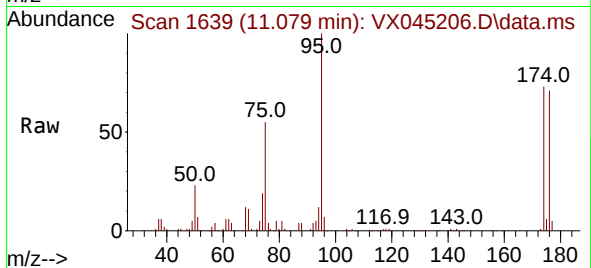
Tgt Ion: 75 Resp: 33531
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.7 62.1#





#81
trans-1,4-Dichloro-2-butene
Concen: 90.697 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045206.D
Acq: 10 Mar 2025 19:07

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20250306



Tgt Ion: 75 Resp: 33531
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

