

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
 Data File : VX045423.D
 Acq On : 24 Mar 2025 18:23
 Operator : JC/MD
 Sample : Q1608-23
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT189D2-20250319

Quant Time: Mar 25 01:38:57 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)

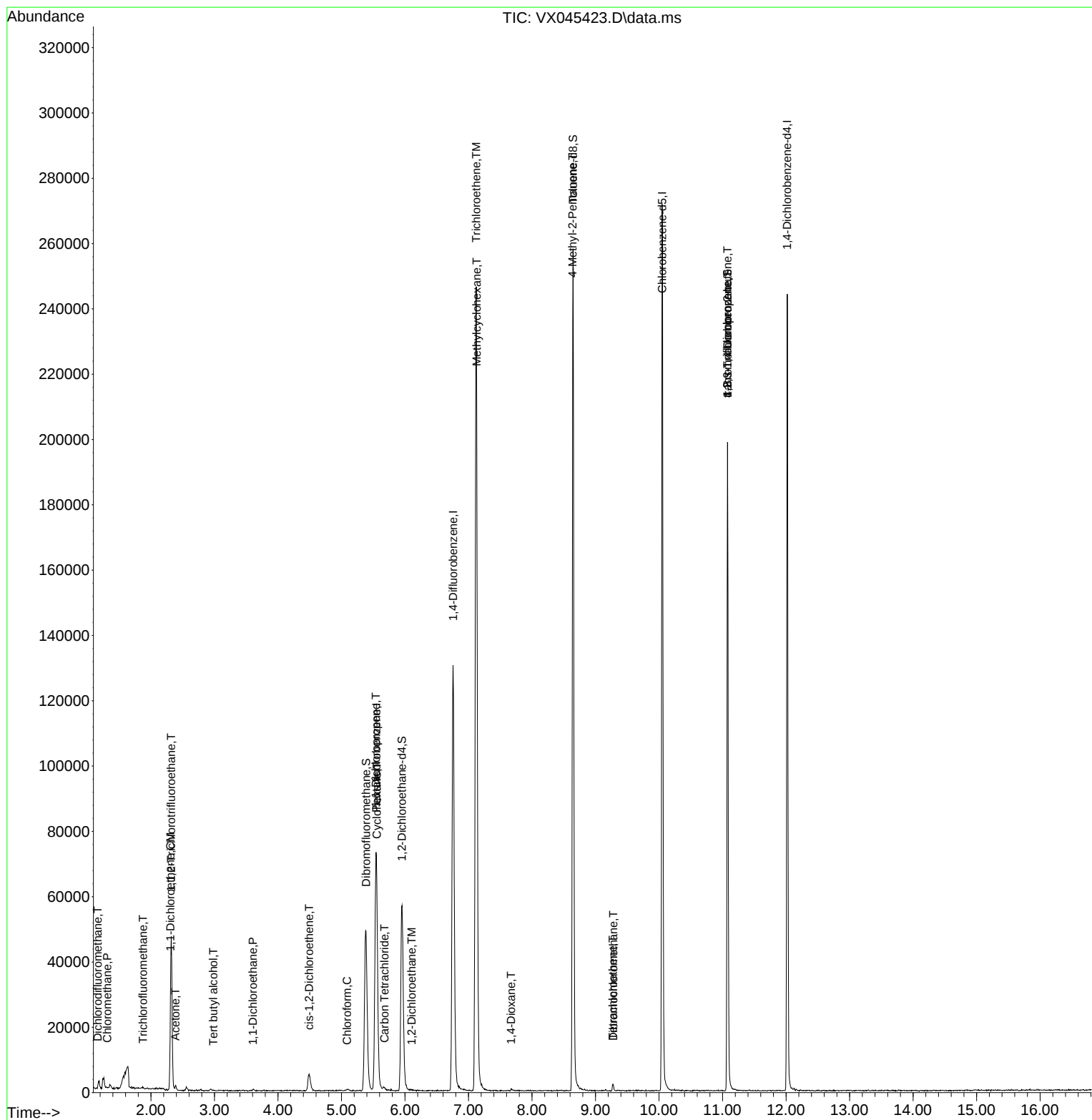
Internal Standards						
1) Pentafluorobenzene	5.550	168	64309	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	126415	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	114275	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	45637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	56168	54.909	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.820%	
35) Dibromofluoromethane	5.385	113	42269	50.004	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.000%	
50) Toluene-d8	8.647	98	149731	48.859	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.720%	
62) 4-Bromofluorobenzene	11.079	95	51170	50.389	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 100.780%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.160	85	698	0.862	ug/l	91
3) Chloromethane	1.313	50	327	0.330	ug/l #	85
7) Trichlorofluoromethane	1.874	101	272	0.209	ug/l #	78
9) 1,1,2-Trichlorotrifluo...	2.319	101	17247	23.075	ug/l	97
11) Tert butyl alcohol	2.983	59	106	0.547	ug/l #	73
12) 1,1-Dichloroethene	2.306	96	1345	1.702	ug/l #	77
16) Acetone	2.386	43	1120	2.360	ug/l	97
24) 1,1-Dichloroethane	3.605	63	651	0.406	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	3202	3.323	ug/l	94
30) Chloroform	5.086	83	485	0.304	ug/l #	81
31) Cyclohexane	5.556	56	2003	1.439	ug/l #	56
36) 1,1-Dichloropropene	5.544	75	6194	5.343	ug/l #	51
38) Carbon Tetrachloride	5.678	117	702	0.596	ug/l #	56
39) Methylcyclohexane	7.129	83	1289	0.928	ug/l #	1
42) 1,2-Dichloroethane	6.105	62	317	0.240	ug/l #	75
44) Trichloroethene	7.123	130	89647	104.295	ug/l	99
49) 1,4-Dioxane	7.671	88	385	16.470	ug/l #	90
51) 4-Methyl-2-Pentanone	8.641	43	847	0.571	ug/l #	1
60) Dibromochloromethane	9.281	129	381	0.412	ug/l #	11
64) Tetrachloroethene	9.275	164	349	0.477	ug/l #	80
76) 1,2,3-Trichloropropane	11.079	75	29217	27.506	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	29217	94.131	ug/l #	6

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

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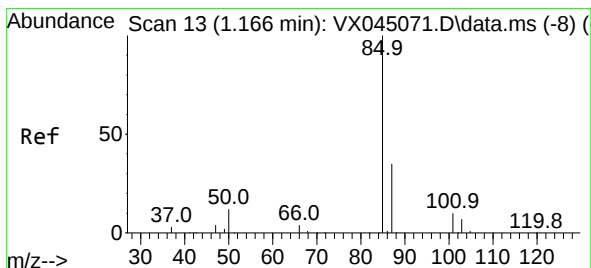
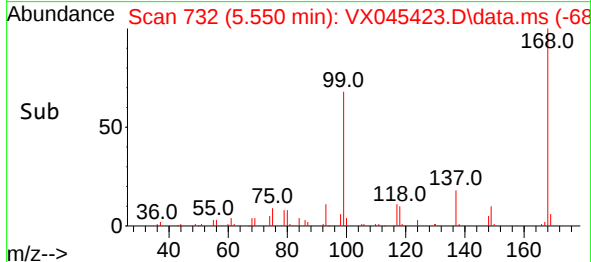
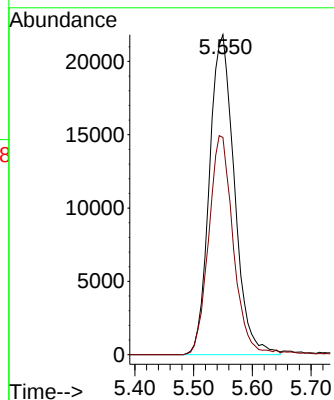
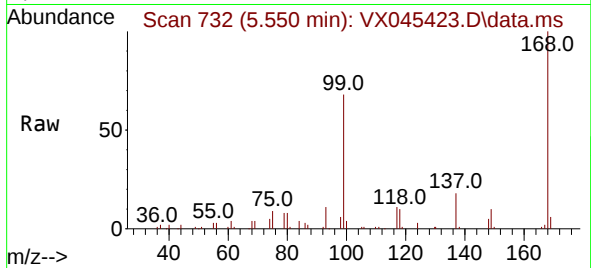




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

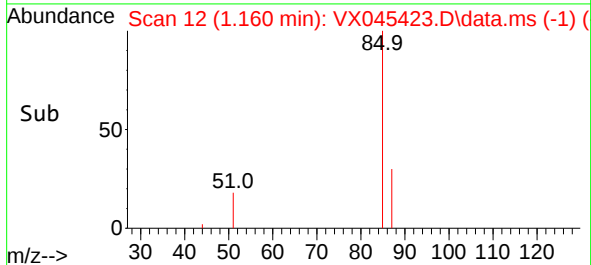
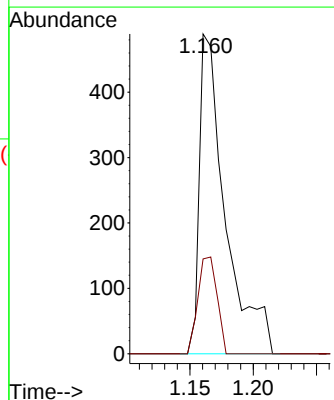
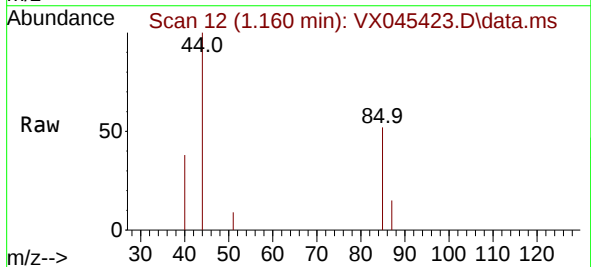
Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250319

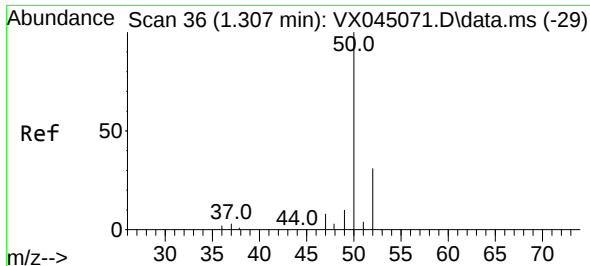
Tgt Ion:168 Resp: 64309
Ion Ratio Lower Upper
168 100
99 67.9 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 0.862 ug/l
RT: 1.160 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

Tgt Ion: 85 Resp: 698
Ion Ratio Lower Upper
85 100
87 29.7 17.4 52.3

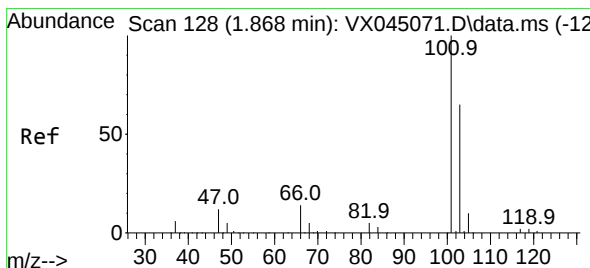
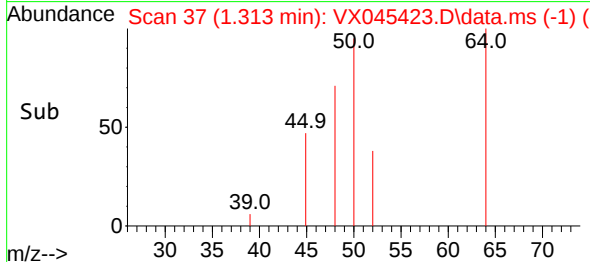
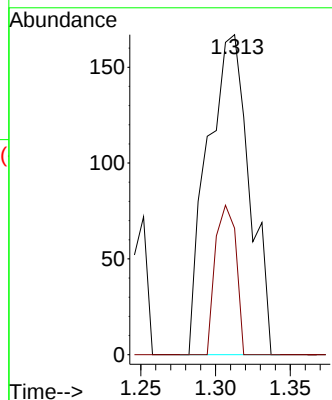
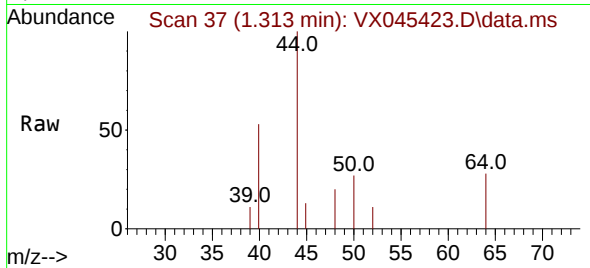




#3
Chloromethane
Concen: 0.330 ug/l
RT: 1.313 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

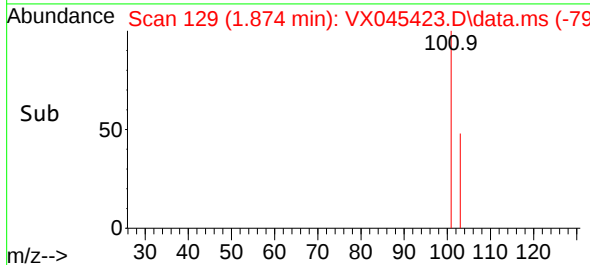
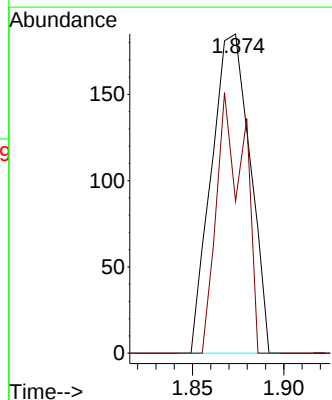
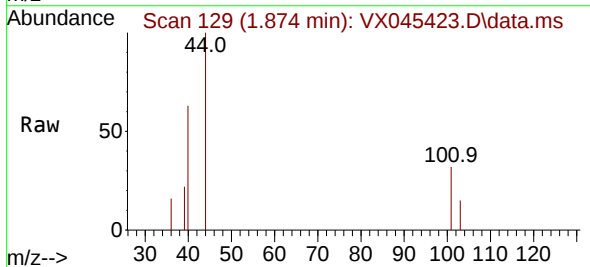
Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250319

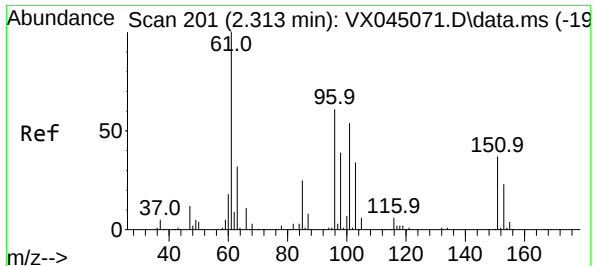
Tgt Ion: 50 Resp: 327
Ion Ratio Lower Upper
50 100
52 39.5 25.0 37.4#



#7
Trichlorofluoromethane
Concen: 0.209 ug/l
RT: 1.874 min Scan# 129
Delta R.T. 0.006 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

Tgt Ion: 101 Resp: 272
Ion Ratio Lower Upper
101 100
103 47.6 52.1 78.1#

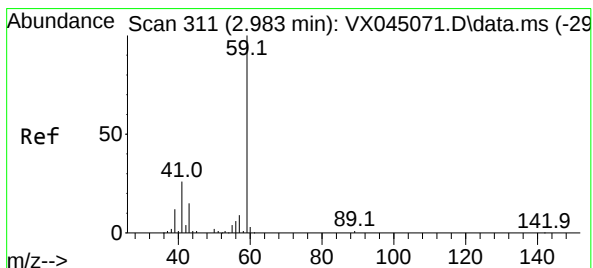
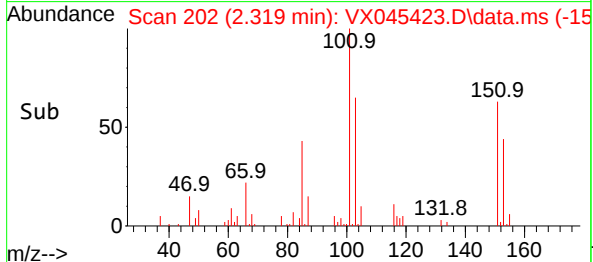
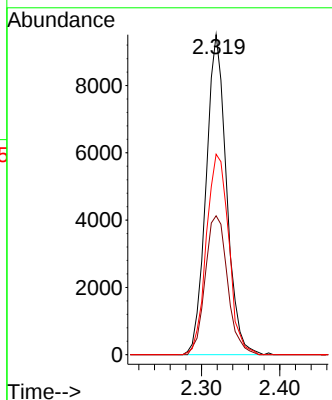
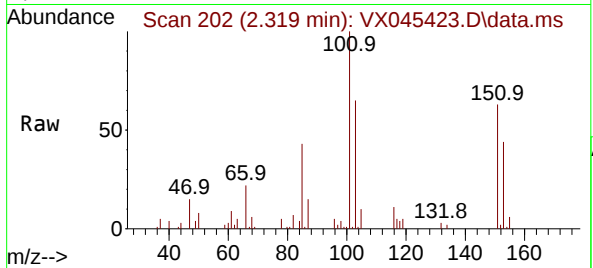




#9
1,1,2-Trichlorotrifluoroethane
Concen: 23.075 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

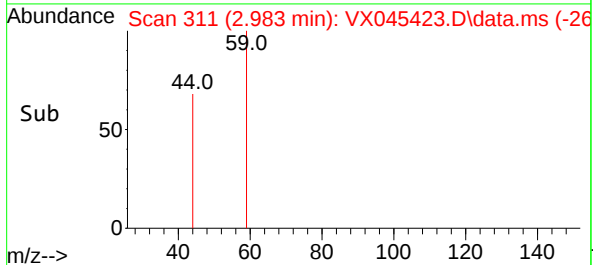
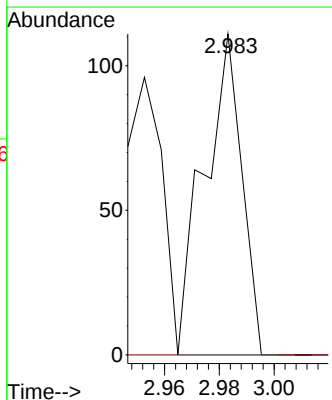
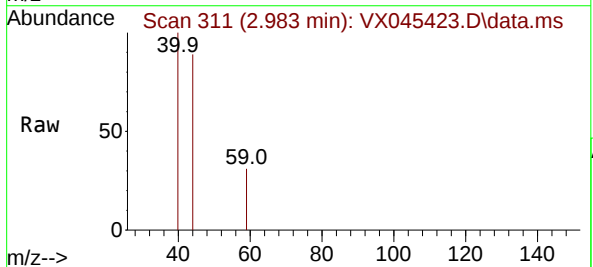
Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250319

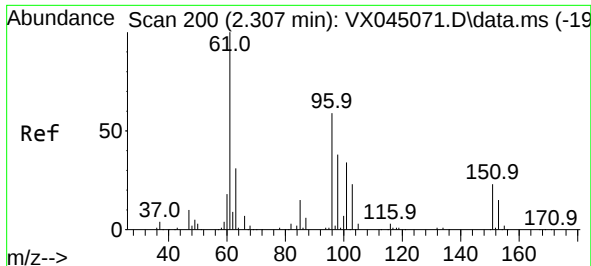
Tgt Ion:101 Resp: 17247
Ion Ratio Lower Upper
101 100
85 47.4 36.2 54.4
151 68.7 56.4 84.6



#11
Tert butyl alcohol
Concen: 0.547 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

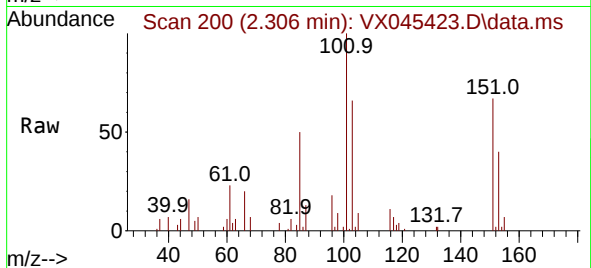
Tgt Ion: 59 Resp: 106
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



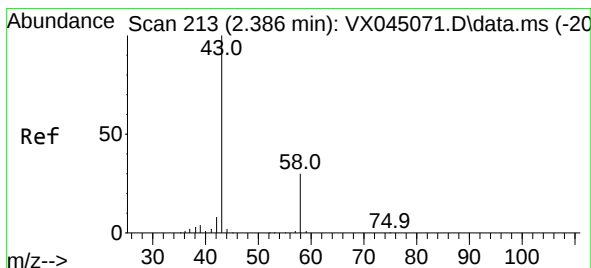
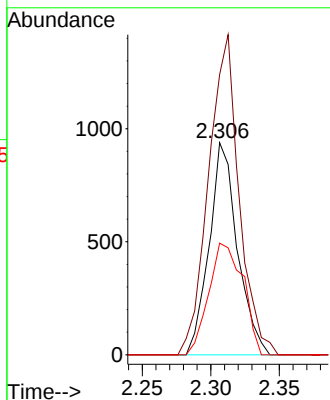
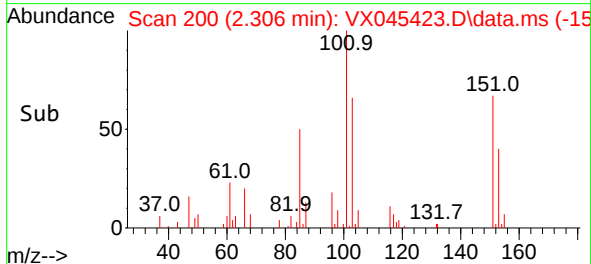


#12
1,1-Dichloroethene
Concen: 1.702 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250319

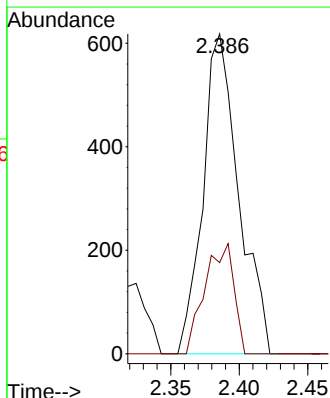
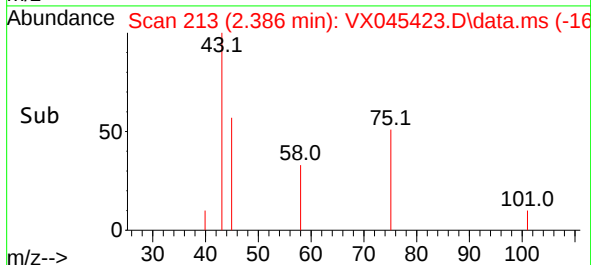
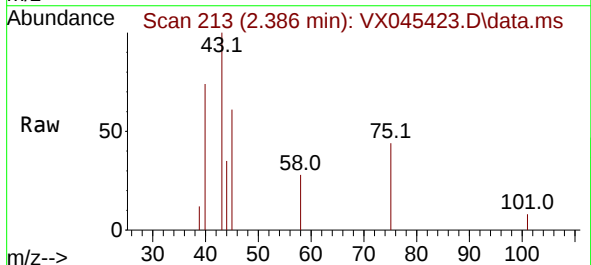


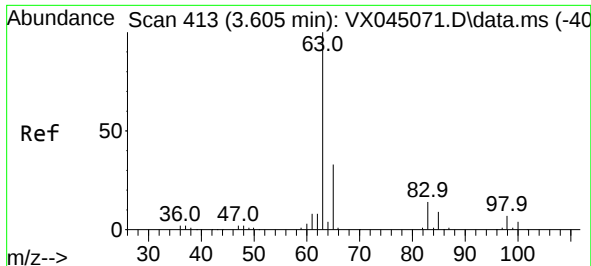
Tgt Ion: 96 Resp: 1345
Ion Ratio Lower Upper
96 100
61 132.2 134.6 202.0#
98 52.7 51.0 76.6



#16
Acetone
Concen: 2.360 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

Tgt Ion: 43 Resp: 1120
Ion Ratio Lower Upper
43 100
58 28.5 24.2 36.4

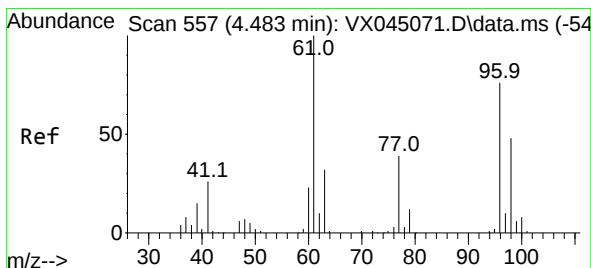
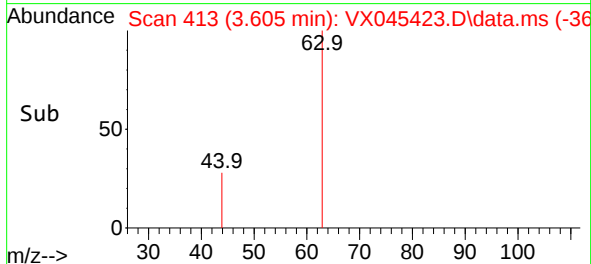
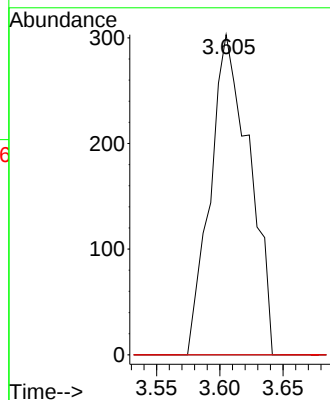
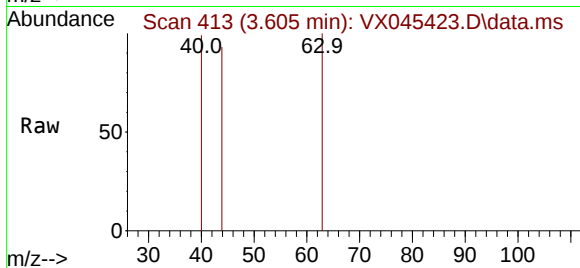




#24
 1,1-Dichloroethane
 Concen: 0.406 ug/l
 RT: 3.605 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX045423.D
 Acq: 24 Mar 2025 18:23

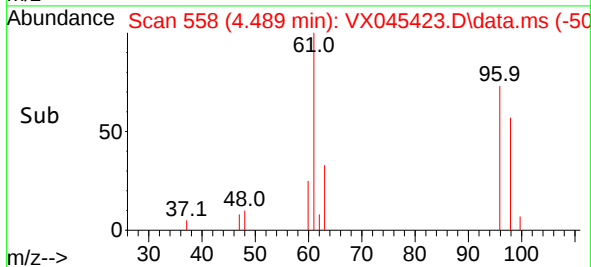
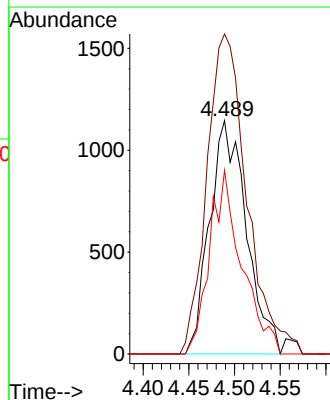
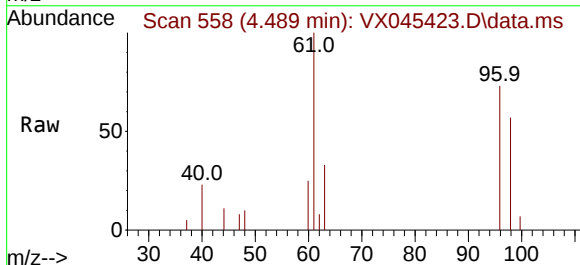
Instrument :
 MSVOA_X
 ClientSampleId :
 TT189D2-20250319

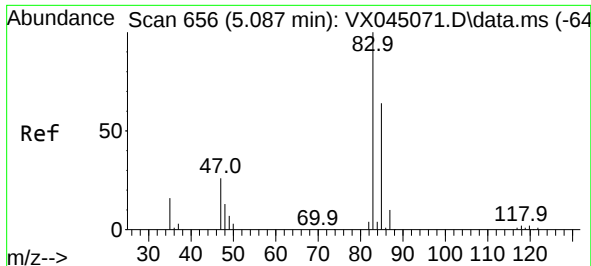
Tgt Ion: 63 Resp: 651
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.4 10.2#
 100 0.0 2.1 6.5#



#27
 cis-1,2-Dichloroethene
 Concen: 3.323 ug/l
 RT: 4.489 min Scan# 558
 Delta R.T. 0.006 min
 Lab File: VX045423.D
 Acq: 24 Mar 2025 18:23

Tgt Ion: 96 Resp: 3202
 Ion Ratio Lower Upper
 96 100
 61 149.0 0.0 283.2
 98 69.0 0.0 128.0





#30

Chloroform

Concen: 0.304 ug/l

RT: 5.086 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX045423.D

Acq: 24 Mar 2025 18:23

Instrument :

MSVOA_X

ClientSampleId :

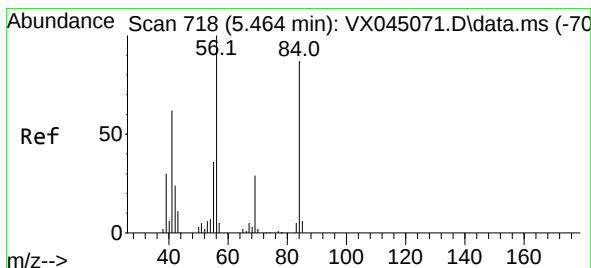
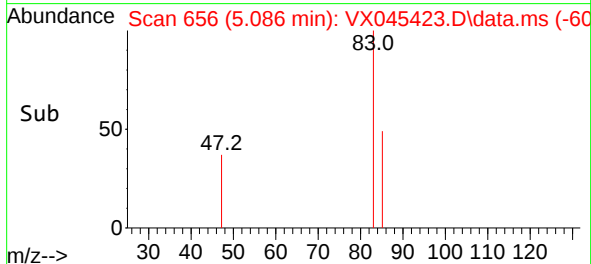
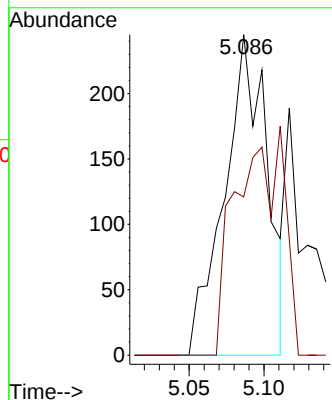
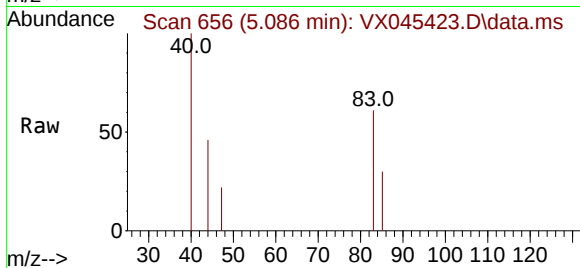
TT189D2-20250319

Tgt Ion: 83 Resp: 485

Ion Ratio Lower Upper

83 100

85 49.4 51.4 77.2#



#31

Cyclohexane

Concen: 1.439 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.091 min

Lab File: VX045423.D

Acq: 24 Mar 2025 18:23

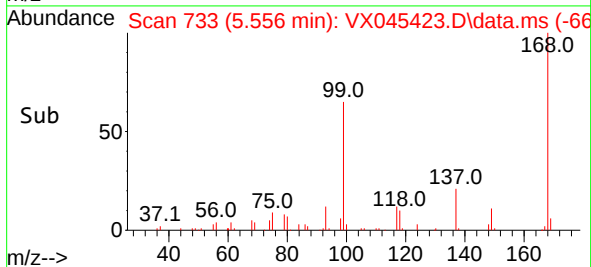
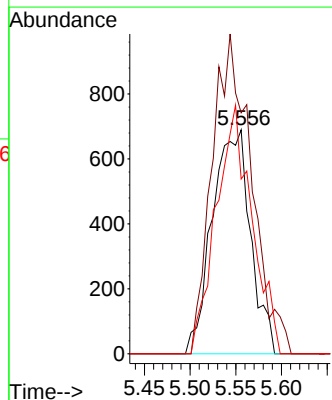
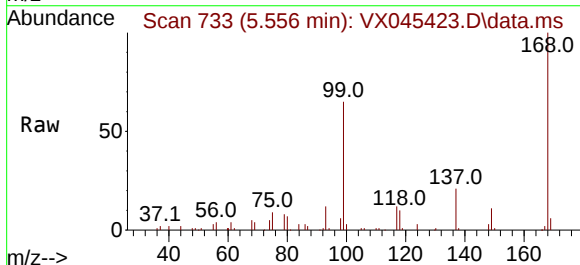
Tgt Ion: 56 Resp: 2003

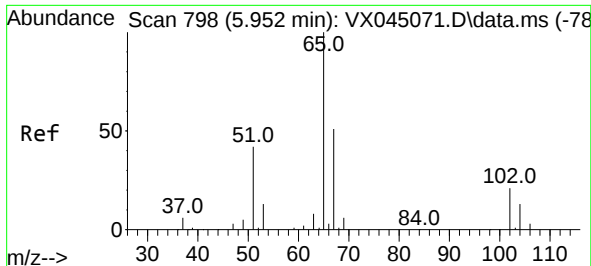
Ion Ratio Lower Upper

56 100

69 107.5 23.4 35.2#

84 78.0 69.4 104.2





#33

1,2-Dichloroethane-d4

Concen: 54.909 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045423.D

Acq: 24 Mar 2025 18:23

Instrument :

MSVOA_X

ClientSampleId :

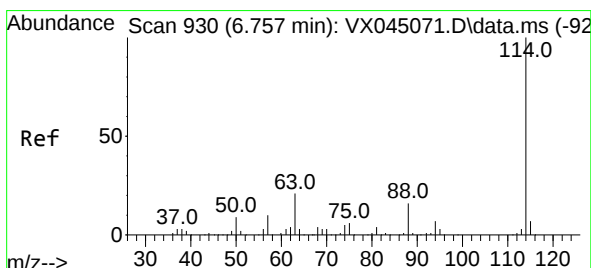
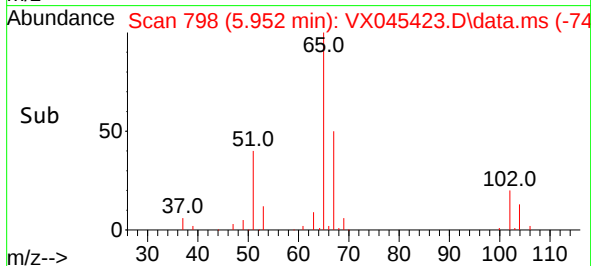
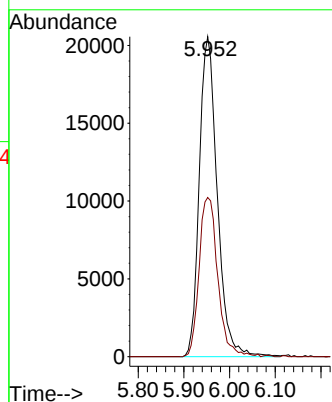
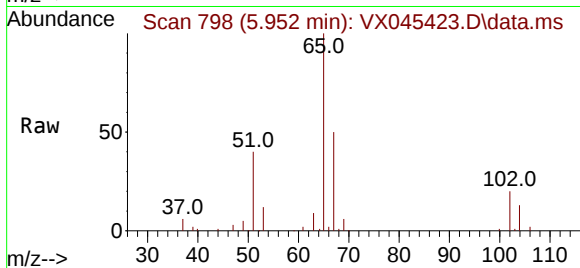
TT189D2-20250319

Tgt Ion: 65 Resp: 56168

Ion Ratio Lower Upper

65 100

67 51.7 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: VX045423.D

Acq: 24 Mar 2025 18:23

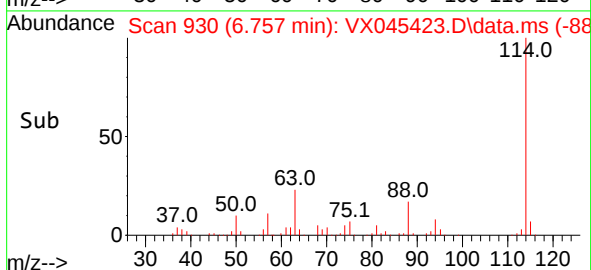
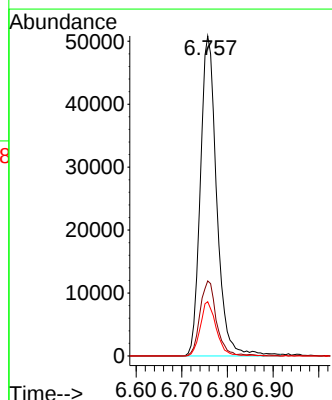
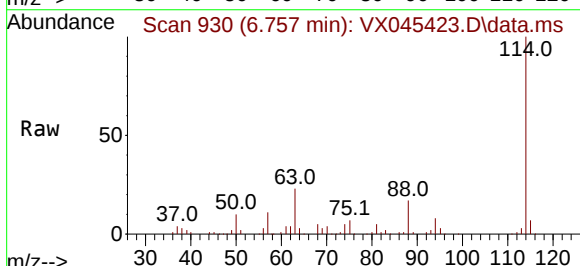
Tgt Ion: 114 Resp: 126415

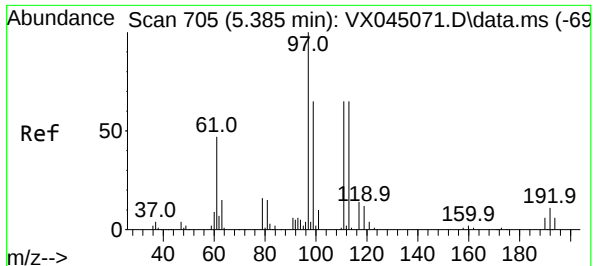
Ion Ratio Lower Upper

114 100

63 23.5 0.0 41.8

88 16.9 0.0 32.8

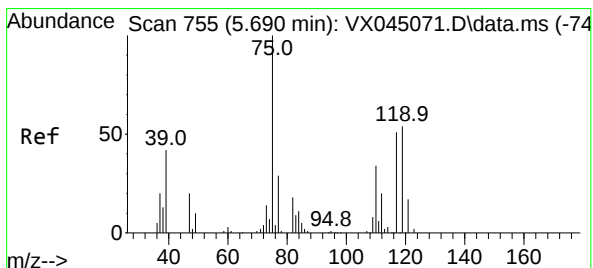
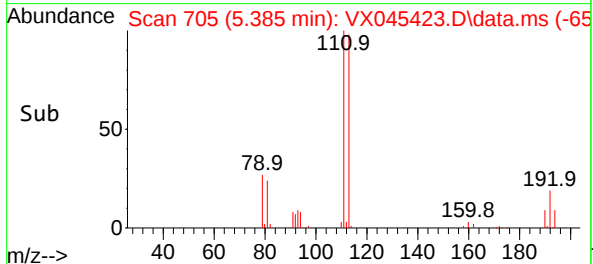
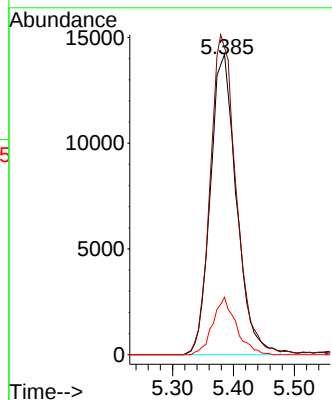
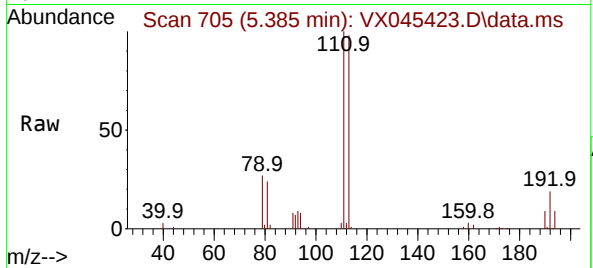




#35
Dibromofluoromethane
Concen: 50.004 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

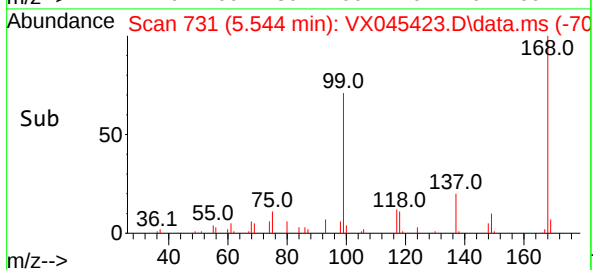
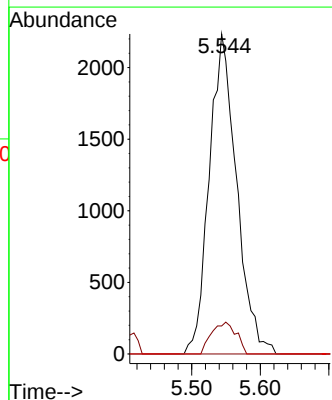
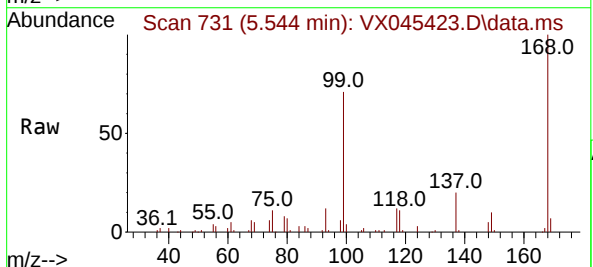
Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250319

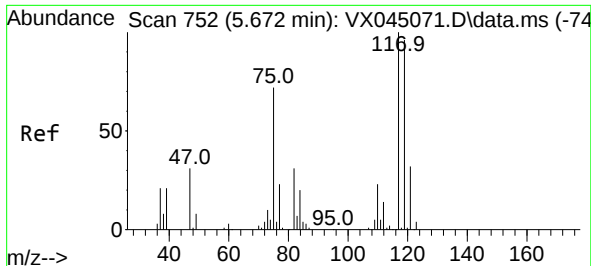
Tgt Ion:113 Resp: 42269
Ion Ratio Lower Upper
113 100
111 106.7 81.8 122.6
192 17.2 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.343 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

Tgt Ion: 75 Resp: 6194
Ion Ratio Lower Upper
75 100
110 8.9 16.9 50.6#
77 0.0 24.5 36.7#

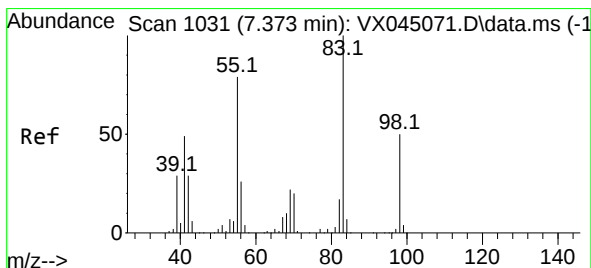
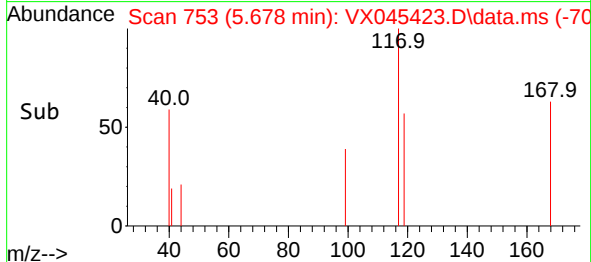
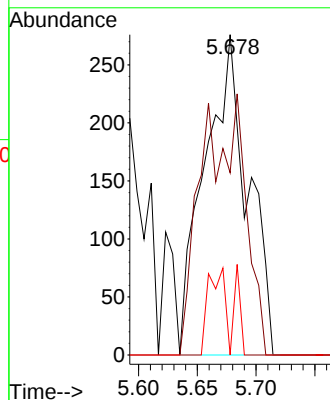
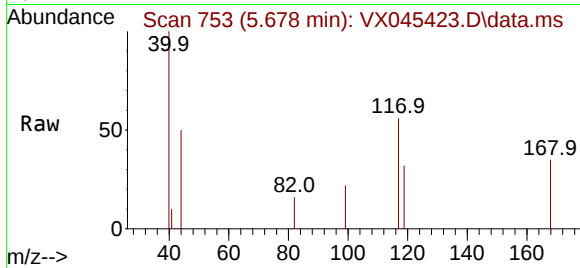




#38
Carbon Tetrachloride
Concen: 0.596 ug/l
RT: 5.678 min Scan# 711
Delta R.T. 0.006 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

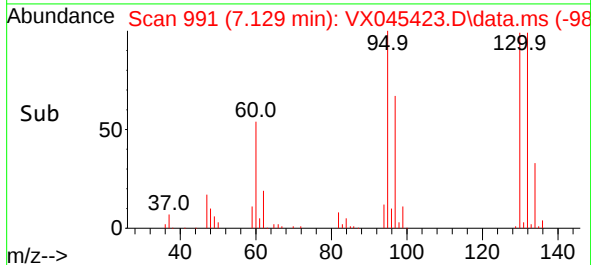
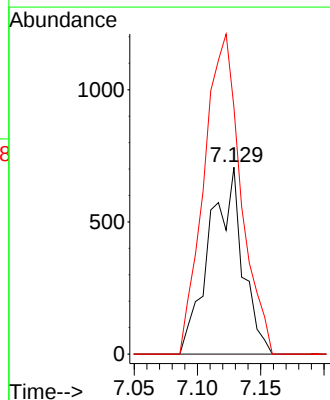
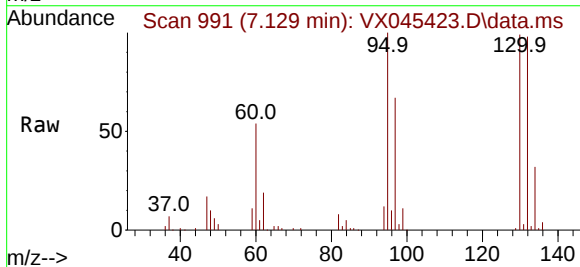
Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250319

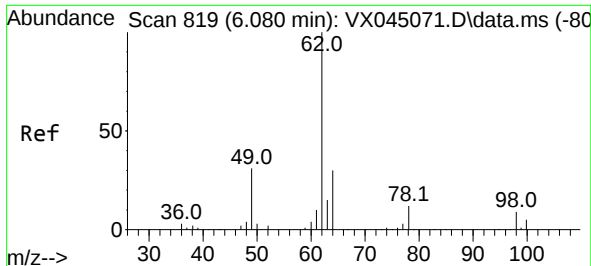
Tgt Ion:117 Resp: 702
Ion Ratio Lower Upper
117 100
119 56.9 76.7 115.1#
121 0.0 25.5 38.3#



#39
Methylcyclohexane
Concen: 0.928 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.244 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

Tgt Ion: 83 Resp: 1289
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 131.8 39.7 59.5#





#42

1,2-Dichloroethane

Concen: 0.240 ug/l

RT: 6.105 min Scan# 819

Delta R.T. 0.024 min

Lab File: VX045423.D

Acq: 24 Mar 2025 18:23

Instrument :

MSVOA_X

ClientSampleId :

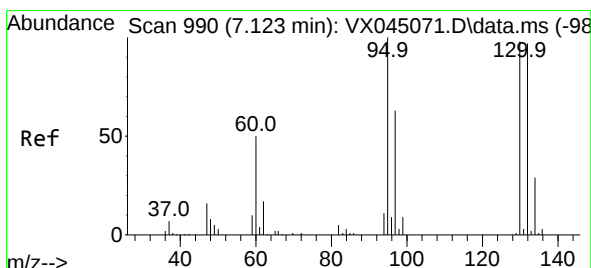
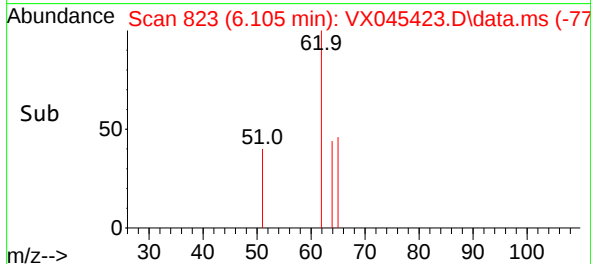
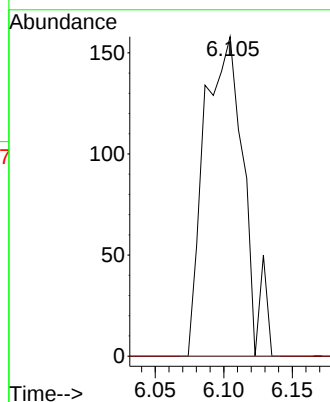
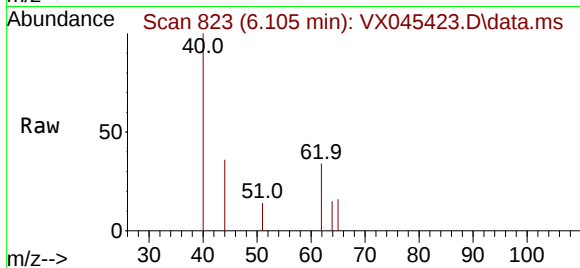
TT189D2-20250319

Tgt Ion: 62 Resp: 317

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#44

Trichloroethene

Concen: 104.295 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX045423.D

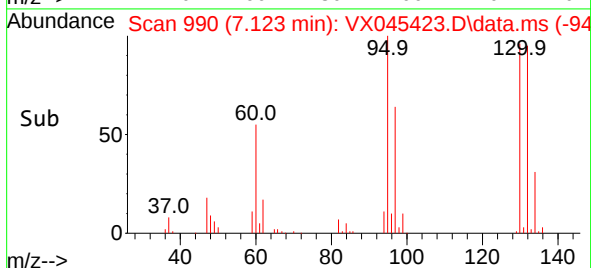
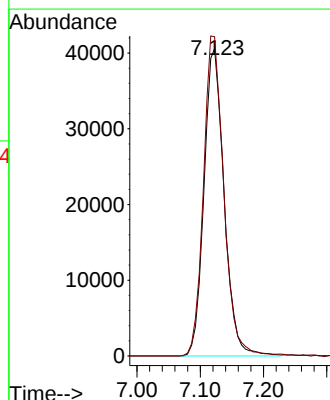
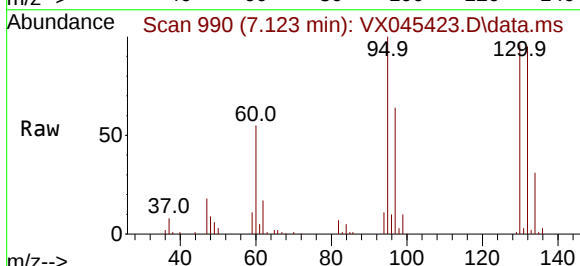
Acq: 24 Mar 2025 18:23

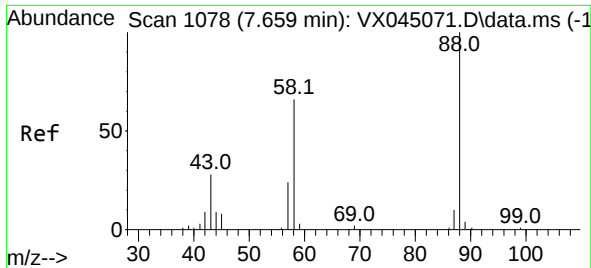
Tgt Ion:130 Resp: 89647

Ion Ratio Lower Upper

130 100

95 103.9 0.0 205.0





#49

1,4-Dioxane

Concen: 16.470 ug/l

RT: 7.671 min Scan# 1078

Delta R.T. 0.012 min

Lab File: VX045423.D

Acq: 24 Mar 2025 18:23

Instrument :

MSVOA_X

ClientSampleId :

TT189D2-20250319

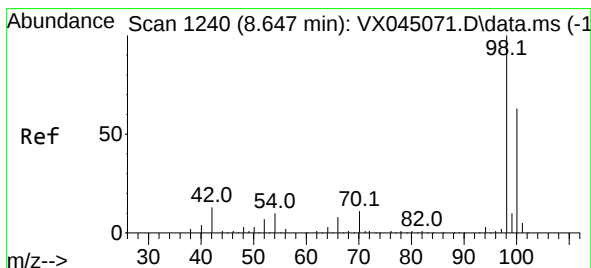
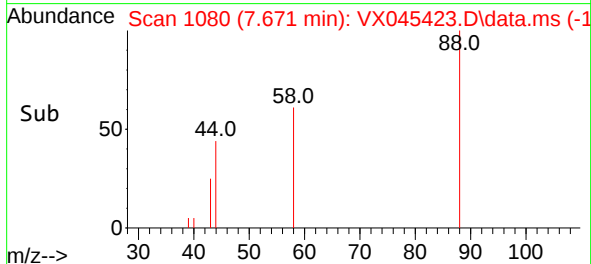
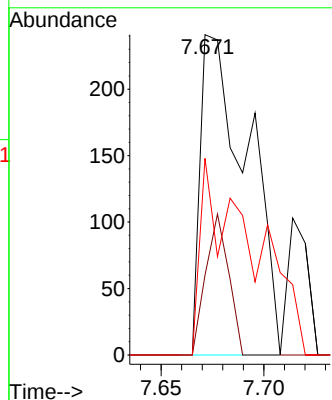
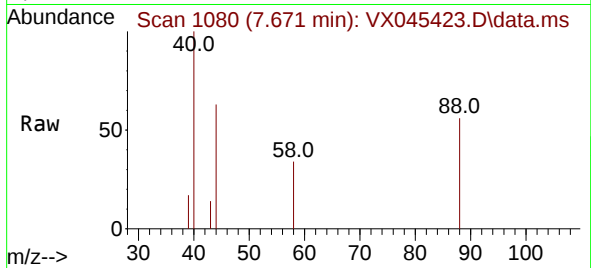
Tgt Ion: 88 Resp: 385

Ion Ratio Lower Upper

88 100

43 21.3 28.7 43.1#

58 67.8 55.8 83.8



#50

Toluene-d8

Concen: 48.859 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045423.D

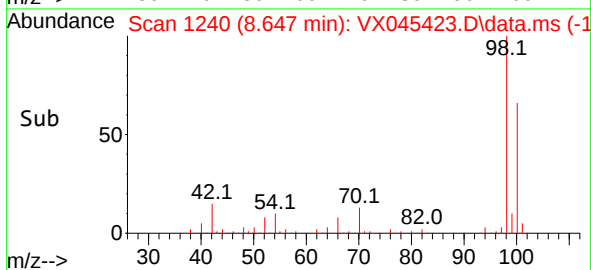
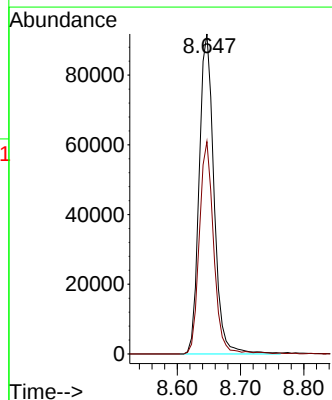
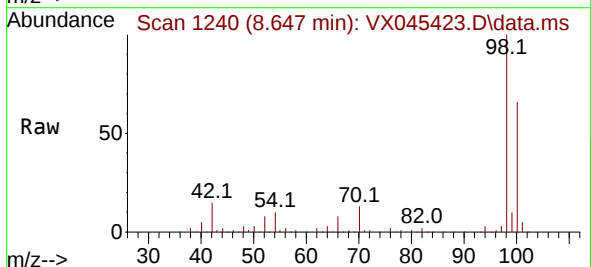
Acq: 24 Mar 2025 18:23

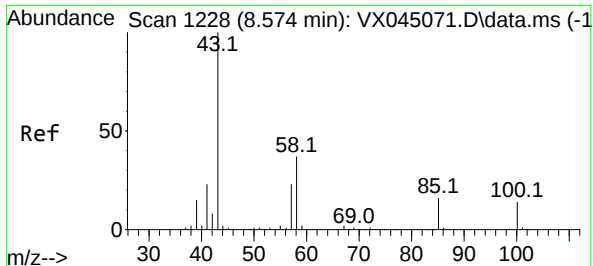
Tgt Ion: 98 Resp: 149731

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0

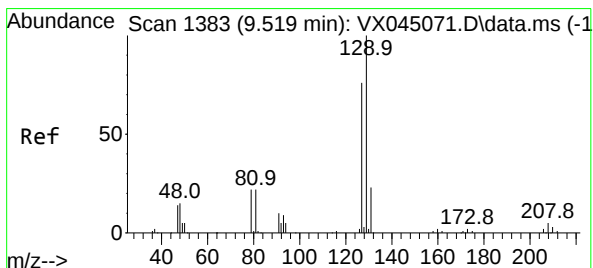
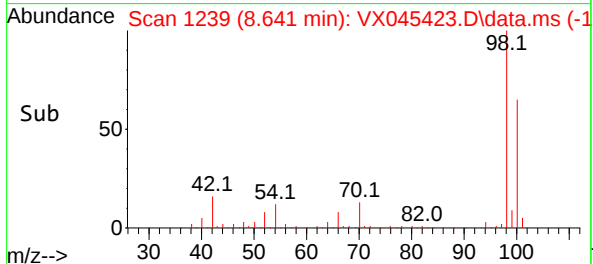
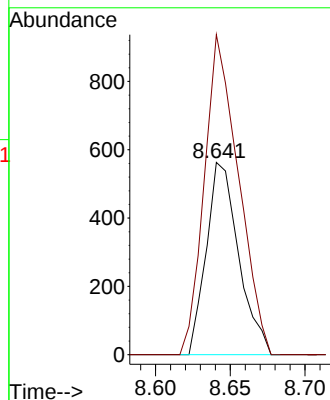
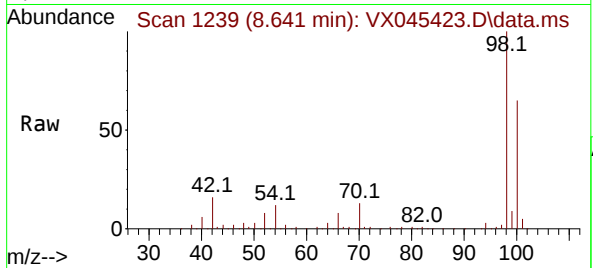




#51
4-Methyl-2-Pentanone
Concen: 0.571 ug/l
RT: 8.641 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

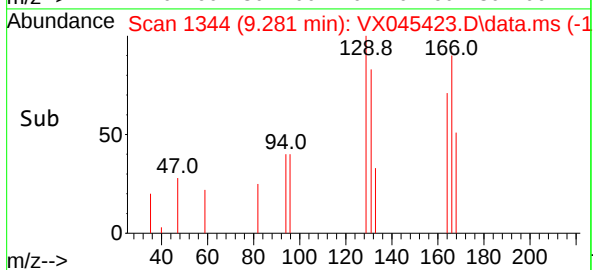
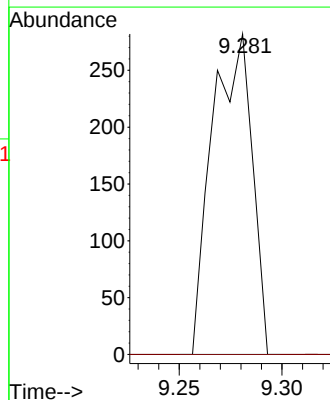
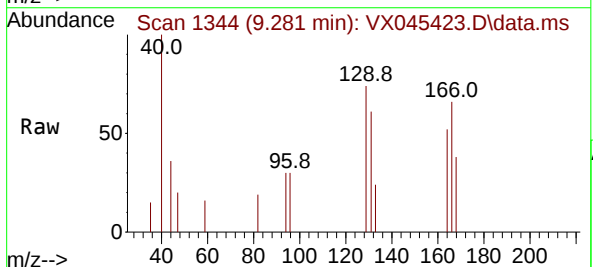
Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250319

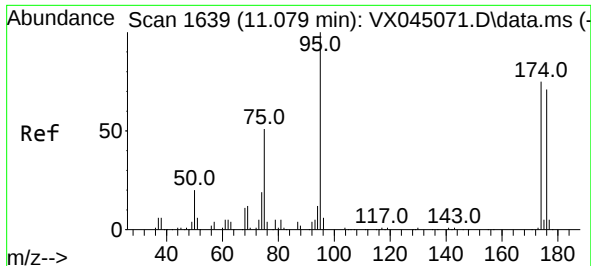
Tgt Ion: 43 Resp: 847
Ion Ratio Lower Upper
43 100
58 175.7 29.2 43.8#



#60
Dibromochloromethane
Concen: 0.412 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.238 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

Tgt Ion: 129 Resp: 381
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#





#62

4-Bromofluorobenzene

Concen: 50.389 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045423.D

Acq: 24 Mar 2025 18:23

Instrument :

MSVOA_X

ClientSampleId :

TT189D2-20250319

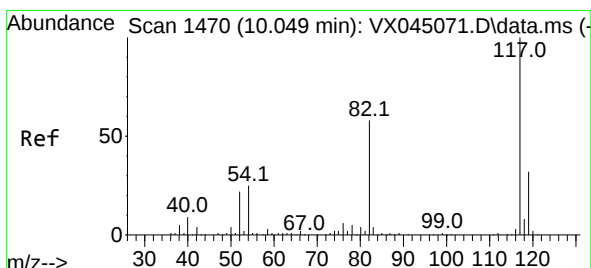
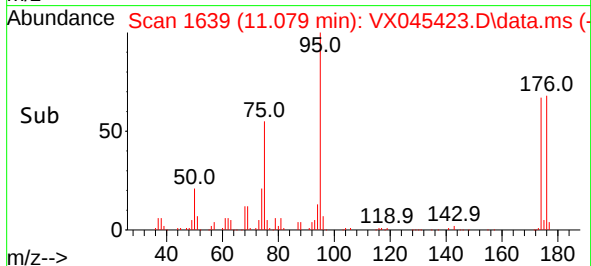
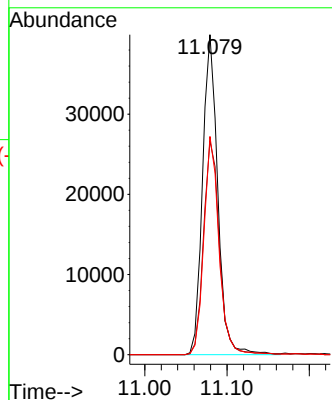
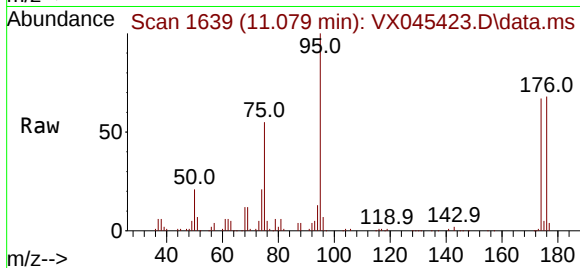
Tgt Ion: 95 Resp: 51170

Ion Ratio Lower Upper

95 100

174 70.0 0.0 148.2

176 67.9 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: VX045423.D

Acq: 24 Mar 2025 18:23

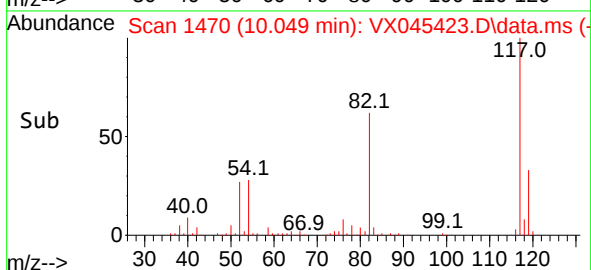
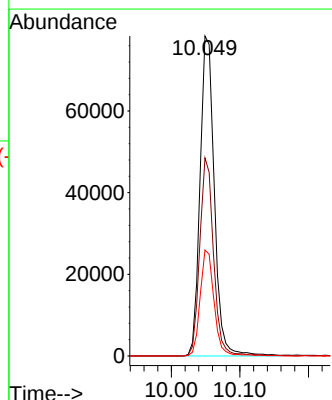
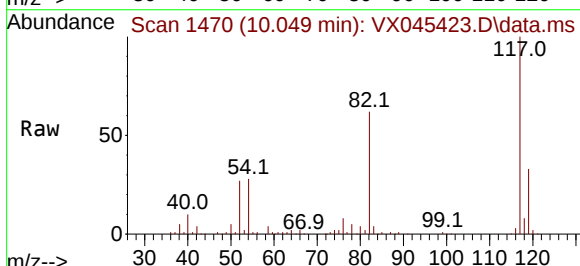
Tgt Ion: 117 Resp: 114275

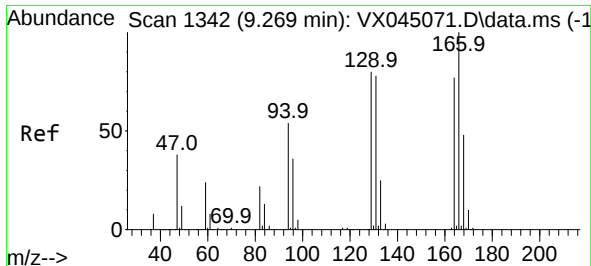
Ion Ratio Lower Upper

117 100

82 61.9 46.3 69.5

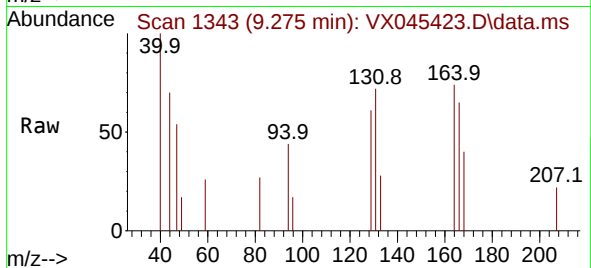
119 33.1 25.7 38.5



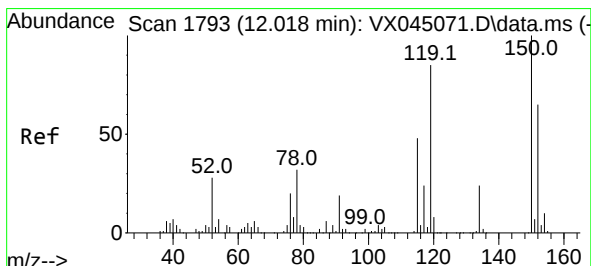
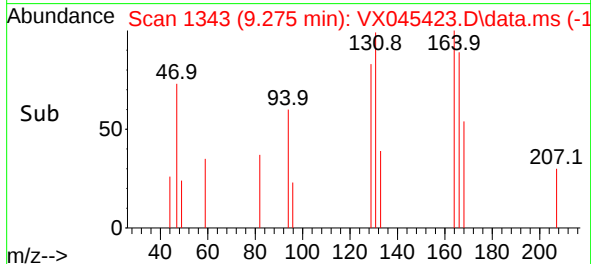
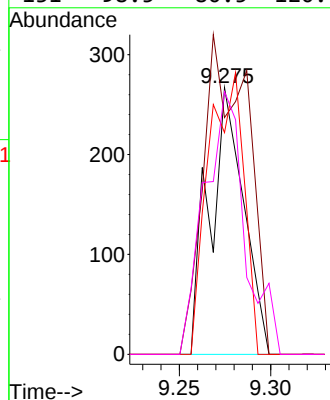


#64
Tetrachloroethene
Concen: 0.477 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250319

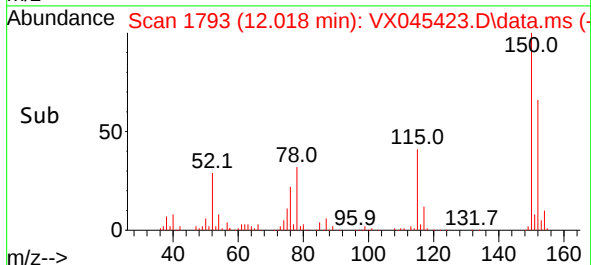
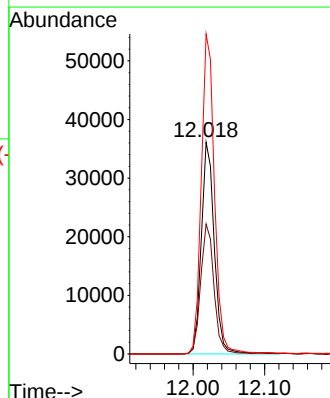
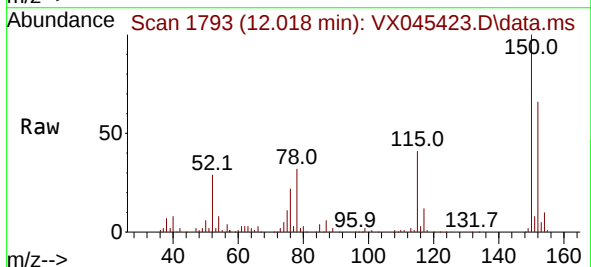


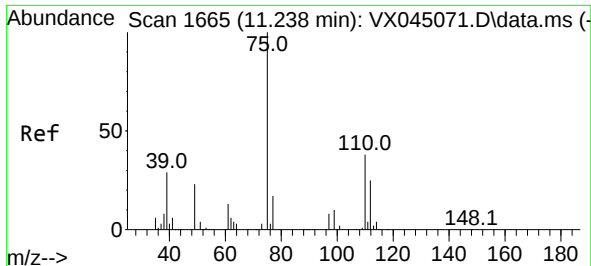
Tgt Ion:164 Resp: 349
Ion Ratio Lower Upper
164 100
166 88.8 103.6 155.4#
129 83.1 82.7 124.1
131 98.5 80.5 120.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

Tgt Ion:152 Resp: 45637
Ion Ratio Lower Upper
152 100
115 62.6 44.2 132.6
150 152.7 0.0 349.0

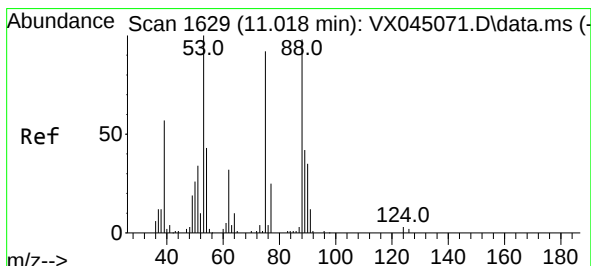
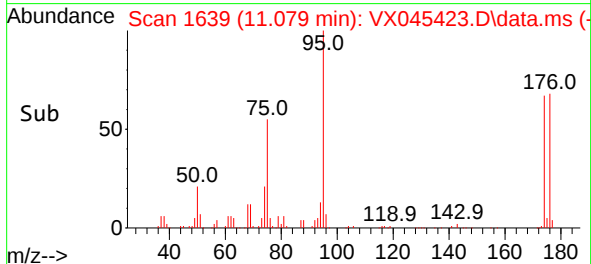
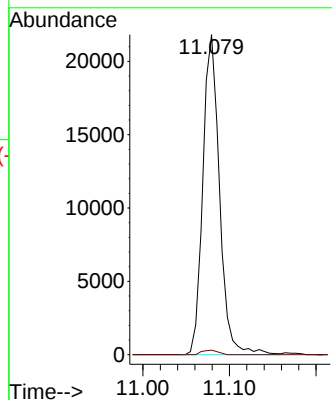
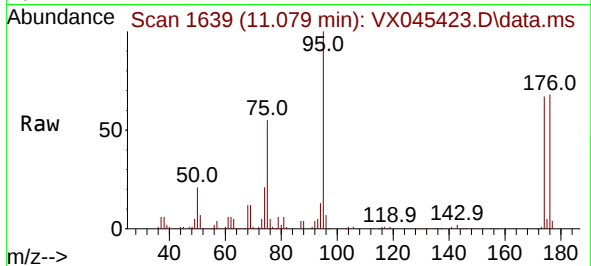




#76
1,2,3-Trichloropropane
Concen: 27.506 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250319

Tgt Ion: 75 Resp: 29217
Ion Ratio Lower Upper
75 100
77 1.4 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.131 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

Tgt Ion: 75 Resp: 29217
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

