

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
 Data File : VX045203.D
 Acq On : 10 Mar 2025 17:58
 Operator : JC/MD
 Sample : Q1531-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 11 04:00:27 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)

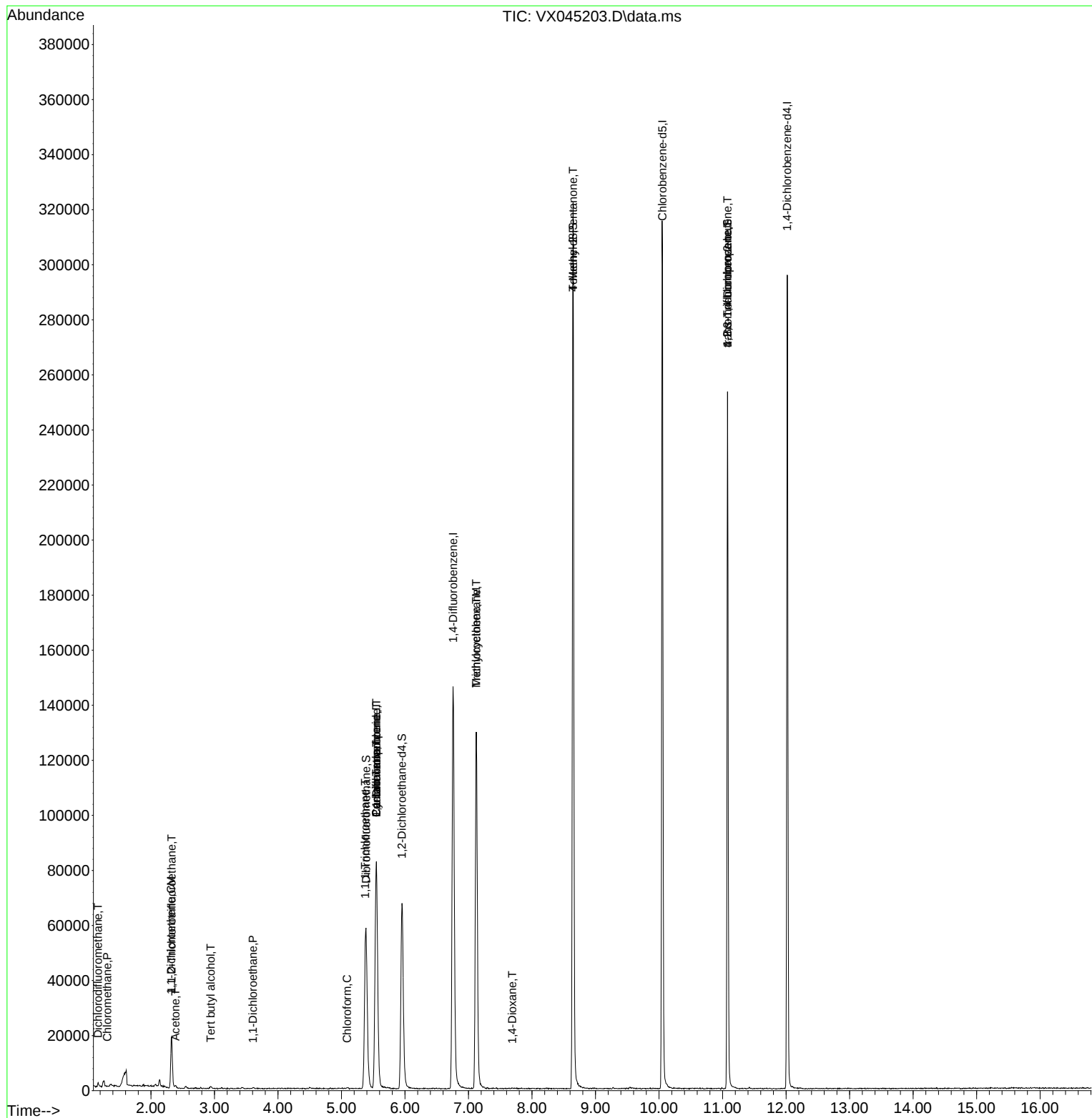
Internal Standards						
1) Pentafluorobenzene	5.549	168	76394	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	149625	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	141061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57421	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64262	52.884	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.760%	
35) Dibromofluoromethane	5.385	113	51234	51.208	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.420%	
50) Toluene-d8	8.646	98	186697	51.472	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.940%	
62) 4-Bromofluorobenzene	11.079	95	64399	53.579	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.160%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1042	1.084	ug/l	84
3) Chloromethane	1.312	50	253	0.215	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.324	101	7256	8.172	ug/l	95
11) Tert butyl alcohol	2.940	59	254	1.104	ug/l #	73
12) 1,1-Dichloroethene	2.318	96	845	0.900	ug/l #	78
16) Acetone	2.385	43	953	1.690	ug/l	93
24) 1,1-Dichloroethane	3.605	63	454	0.238	ug/l #	83
30) Chloroform	5.086	83	401	0.212	ug/l #	73
31) Cyclohexane	5.549	56	2207	1.335	ug/l #	34
32) 1,1,1-Trichloroethane	5.373	97	854	0.559	ug/l #	35
36) 1,1-Dichloropropene	5.549	75	7000	5.102	ug/l #	49
38) Carbon Tetrachloride	5.549	117	8386	6.020	ug/l #	17
39) Methylcyclohexane	7.122	83	611	0.372	ug/l #	1
44) Trichloroethene	7.122	130	49357	48.514	ug/l	97
49) 1,4-Dioxane	7.689	88	124	4.482	ug/l #	26
51) 4-Methyl-2-Pentanone	8.646	43	1029	0.586	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	35783	26.774	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35783	91.626	ug/l #	6

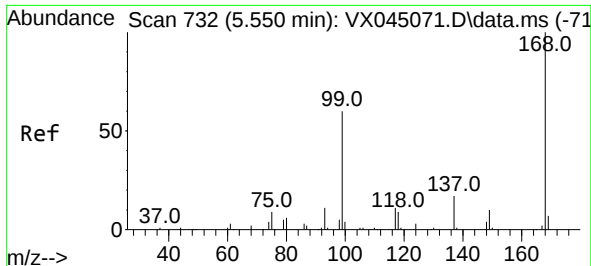
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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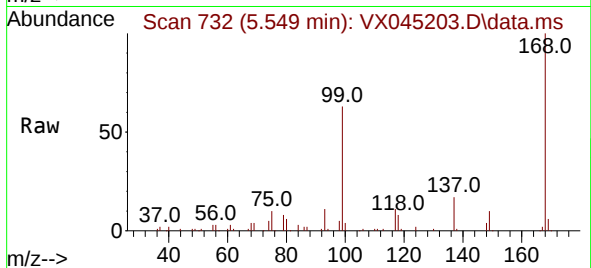
Quant Time: Mar 11 04:00:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



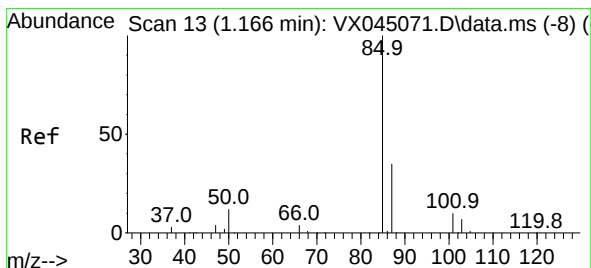
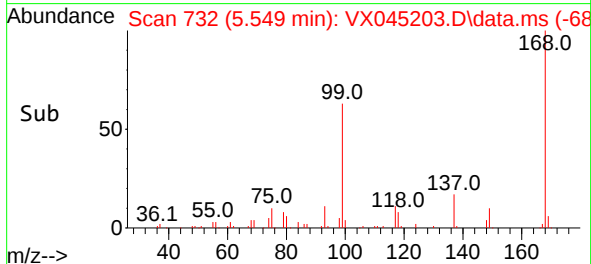
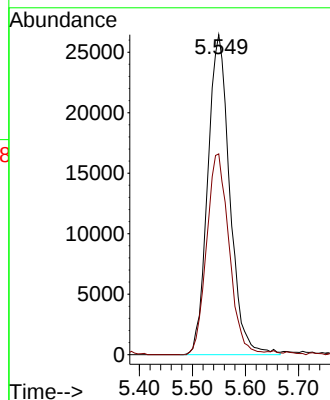


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX045203.D
Acq: 10 Mar 2025 17:58

Instrument :
MSVOA_X
ClientSampleId :

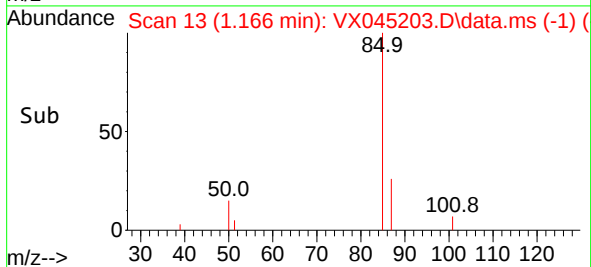
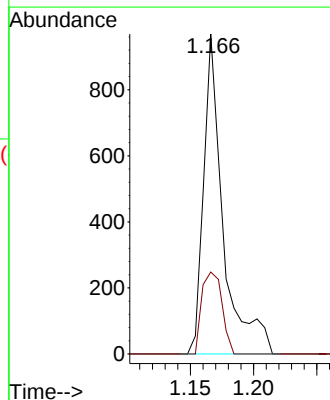
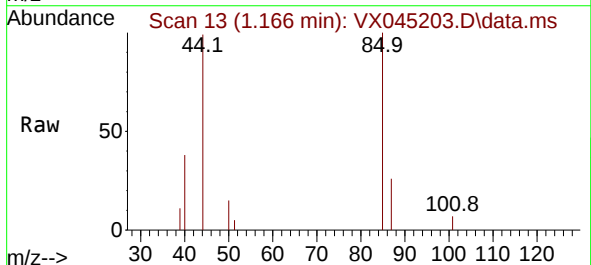


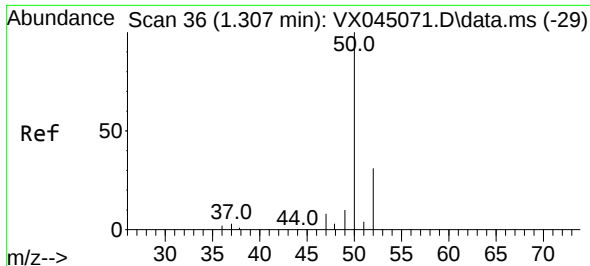
Tgt Ion:168 Resp: 76394
Ion Ratio Lower Upper
168 100
99 62.7 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 1.084 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045203.D
Acq: 10 Mar 2025 17:58

Tgt Ion: 85 Resp: 1042
Ion Ratio Lower Upper
85 100
87 25.6 17.4 52.3

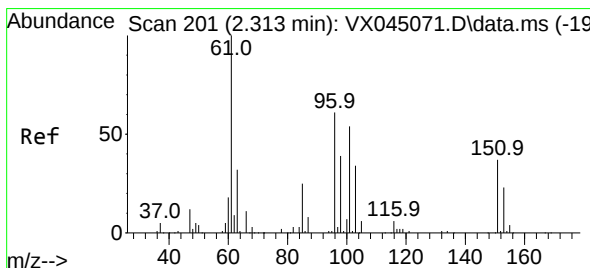
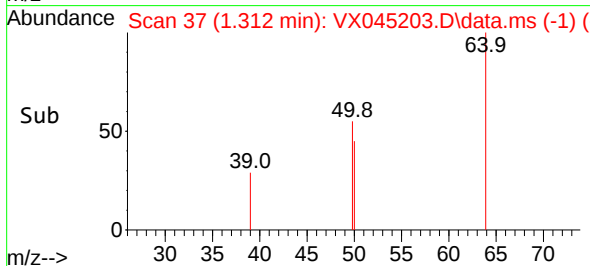
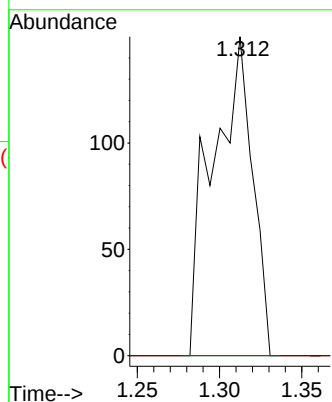
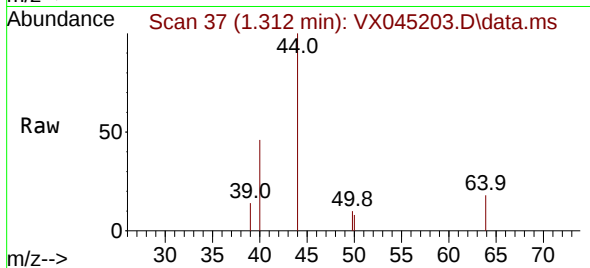




#3
Chloromethane
Concen: 0.215 ug/l
RT: 1.312 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX045203.D
Acq: 10 Mar 2025 17:58

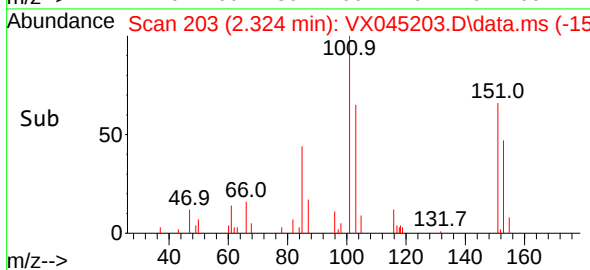
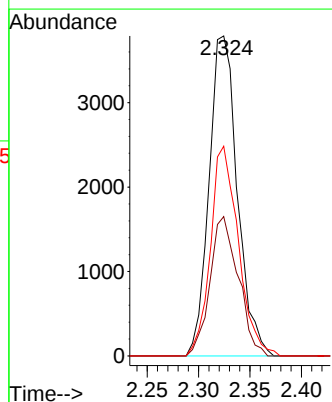
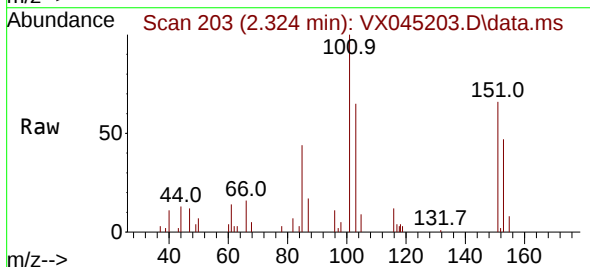
Instrument :
MSVOA_X
ClientSampleId :

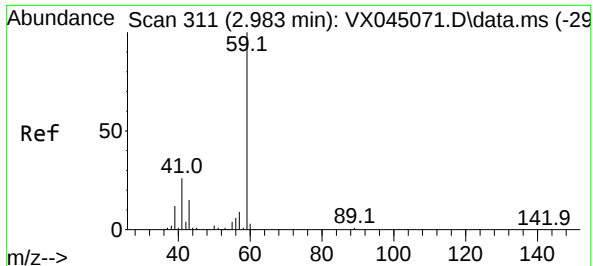
Tgt Ion: 50 Resp: 253
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 8.172 ug/l
RT: 2.324 min Scan# 203
Delta R.T. 0.012 min
Lab File: VX045203.D
Acq: 10 Mar 2025 17:58

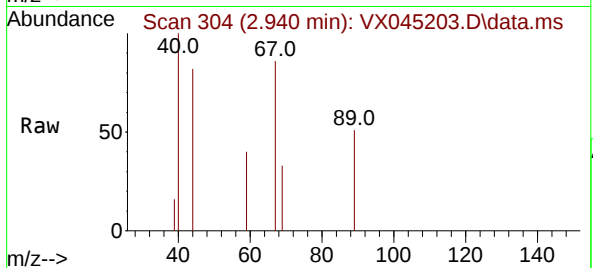
Tgt Ion: 101 Resp: 7256
Ion Ratio Lower Upper
101 100
85 43.6 36.2 54.4
151 64.6 56.4 84.6



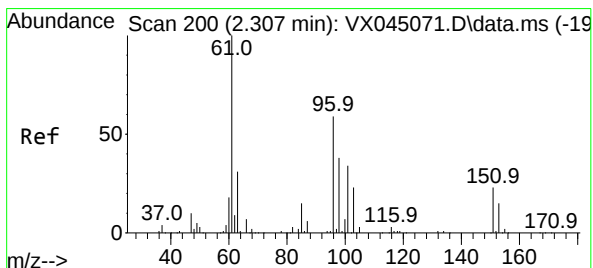
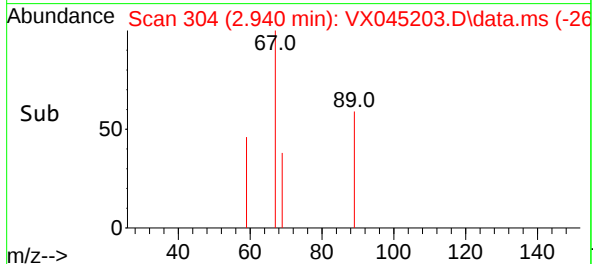
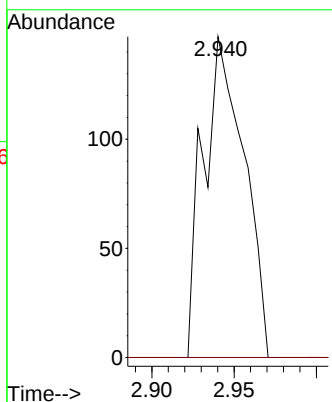


#11
Tert butyl alcohol
Concen: 1.104 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX045203.D
Acq: 10 Mar 2025 17:58

Instrument :
MSVOA_X
ClientSampleId :

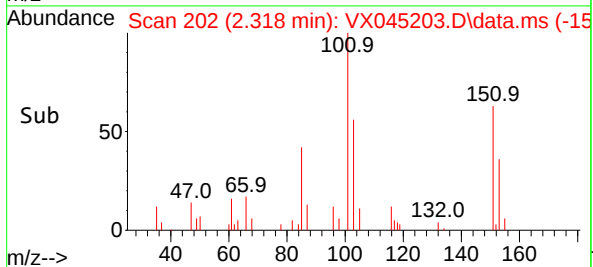
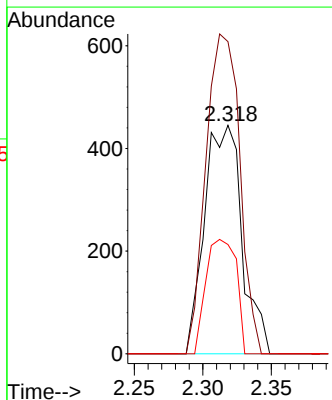
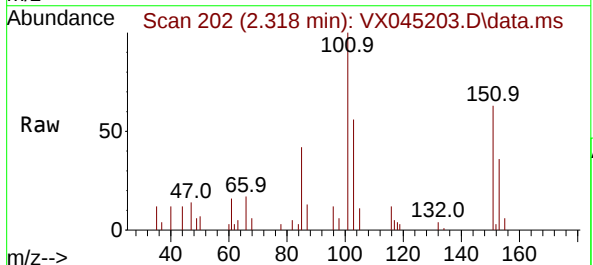


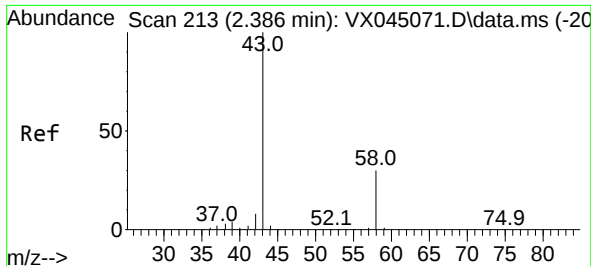
Tgt Ion: 59 Resp: 254
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 0.900 ug/l
RT: 2.318 min Scan# 202
Delta R.T. 0.012 min
Lab File: VX045203.D
Acq: 10 Mar 2025 17:58

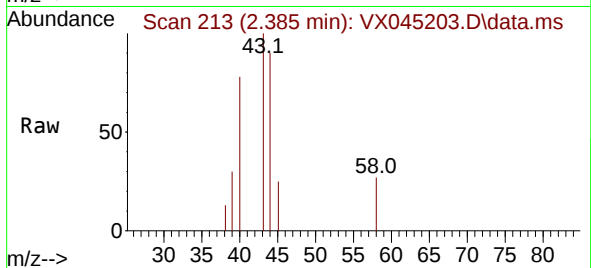
Tgt Ion: 96 Resp: 845
Ion Ratio Lower Upper
96 100
61 136.6 134.6 202.0
98 47.9 51.0 76.6#



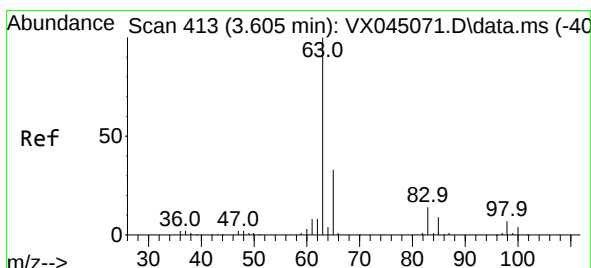
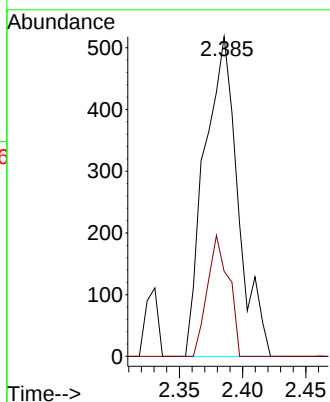
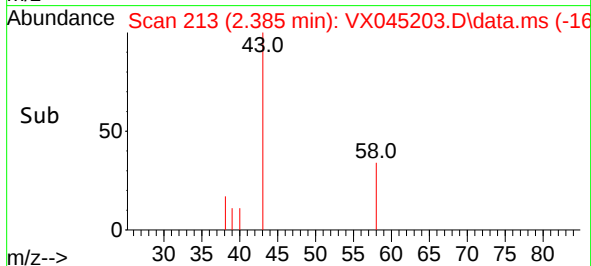


#16
Acetone
Concen: 1.690 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045203.D
Acq: 10 Mar 2025 17:58

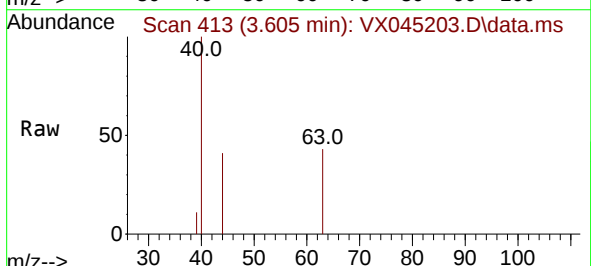
Instrument :
MSVOA_X
ClientSampleId :



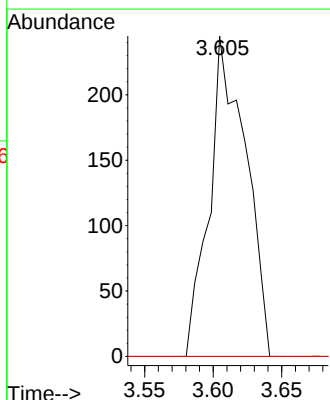
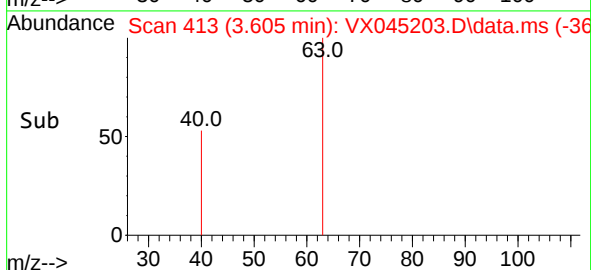
Tgt Ion: 43 Resp: 953
Ion Ratio Lower Upper
43 100
58 26.6 24.2 36.4

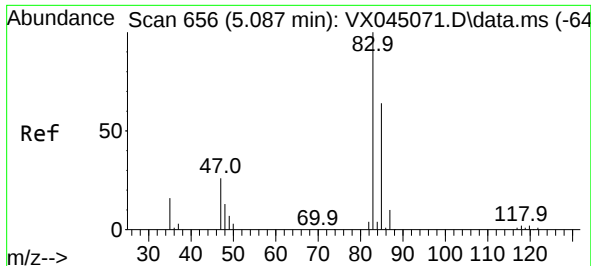


#24
1,1-Dichloroethane
Concen: 0.238 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045203.D
Acq: 10 Mar 2025 17:58



Tgt Ion: 63 Resp: 454
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.2#
100 0.0 2.1 6.5#





#30

Chloroform

Concen: 0.212 ug/l

RT: 5.086 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX045203.D

Acq: 10 Mar 2025 17:58

Instrument :

MSVOA_X

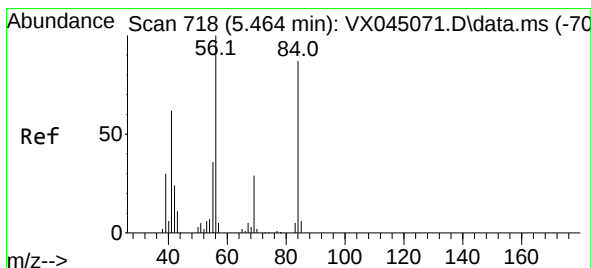
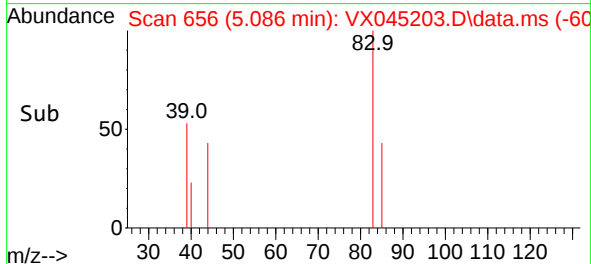
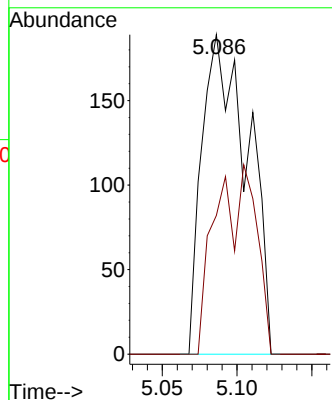
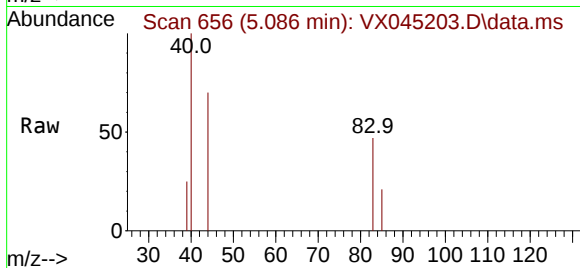
ClientSampleId :

Tgt Ion: 83 Resp: 401

Ion Ratio Lower Upper

83 100

85 43.4 51.4 77.2#



#31

Cyclohexane

Concen: 1.335 ug/l

RT: 5.549 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX045203.D

Acq: 10 Mar 2025 17:58

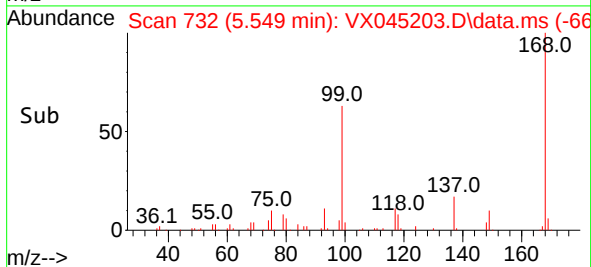
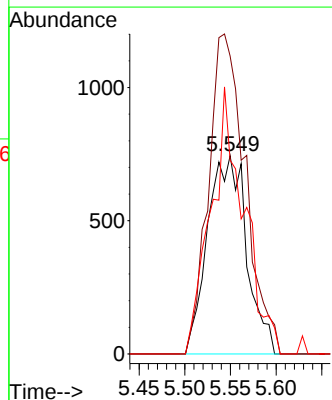
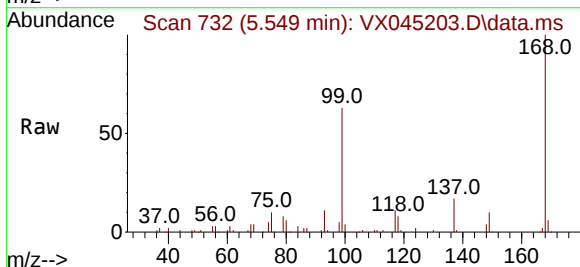
Tgt Ion: 56 Resp: 2207

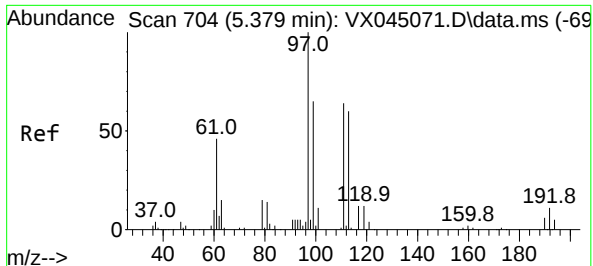
Ion Ratio Lower Upper

56 100

69 150.3 23.4 35.2#

84 97.7 69.4 104.2





#32

1,1,1-Trichloroethane

Concen: 0.559 ug/l

RT: 5.373 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX045203.D

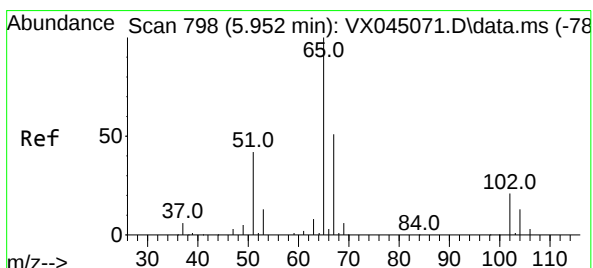
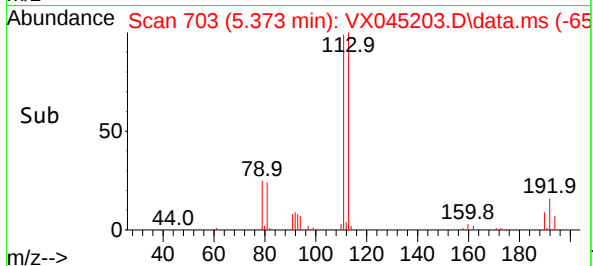
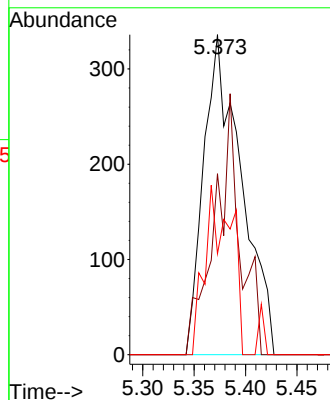
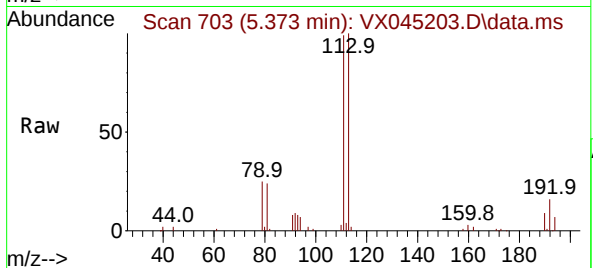
Acq: 10 Mar 2025 17:58

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 97	Resp: 854
Ion Ratio	Lower Upper
97 100	
99 0.0	51.6 77.4#
61 19.0	38.4 57.6#



#33

1,2-Dichloroethane-d4

Concen: 52.884 ug/l

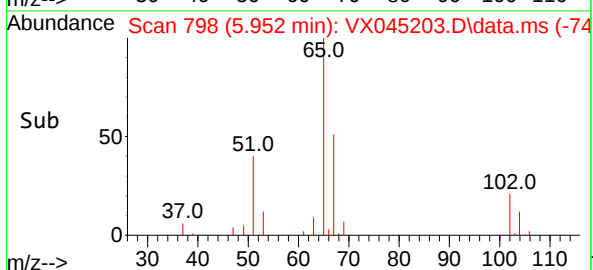
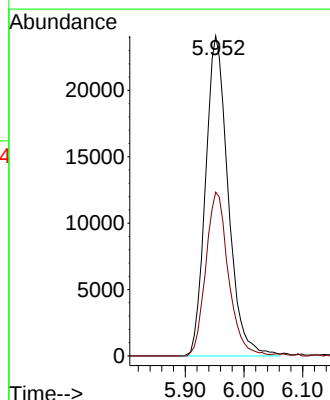
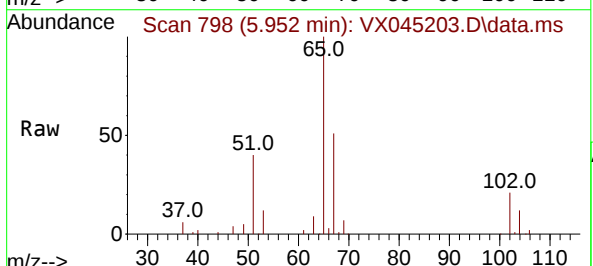
RT: 5.952 min Scan# 798

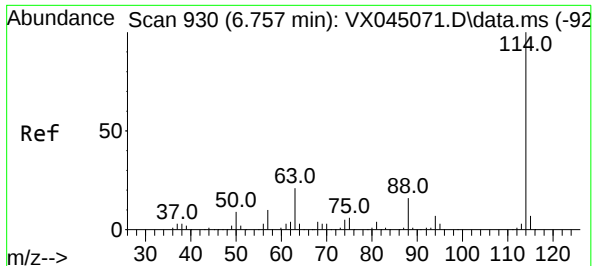
Delta R.T. -0.000 min

Lab File: VX045203.D

Acq: 10 Mar 2025 17:58

Tgt Ion: 65	Resp: 64262
Ion Ratio	Lower Upper
65 100	
67 51.4	0.0 106.2

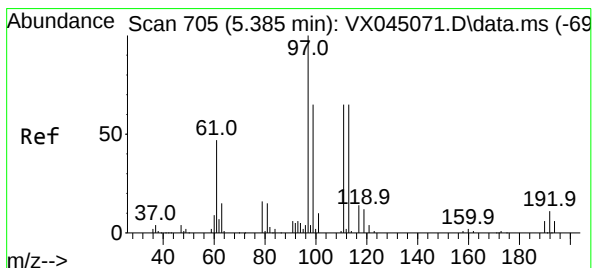
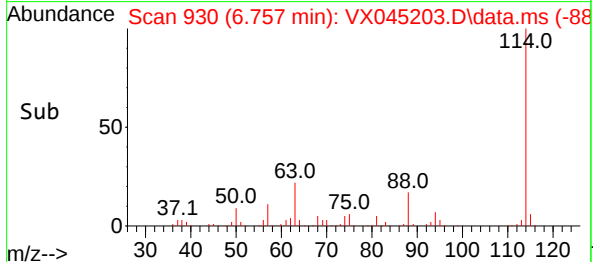
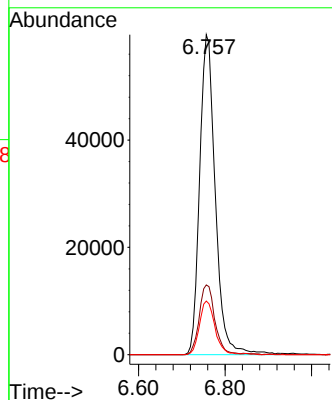
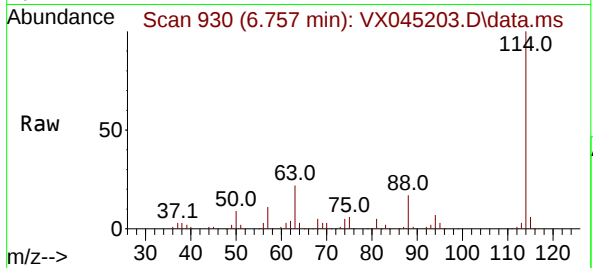




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045203.D
Acq: 10 Mar 2025 17:58

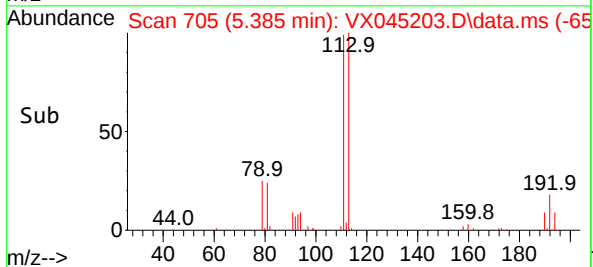
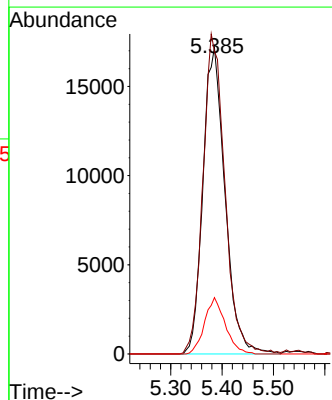
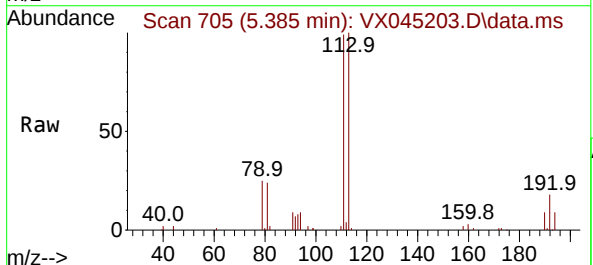
Instrument :
MSVOA_X
ClientSampleId :

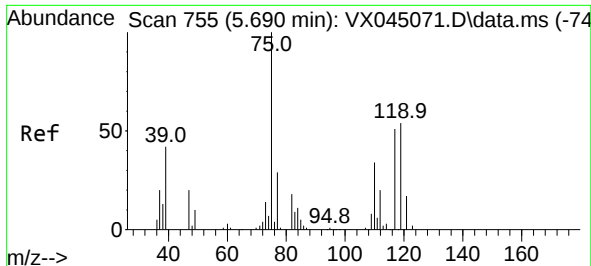
Tgt Ion:114 Resp: 149625
Ion Ratio Lower Upper
114 100
63 21.8 0.0 41.8
88 16.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.208 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045203.D
Acq: 10 Mar 2025 17:58

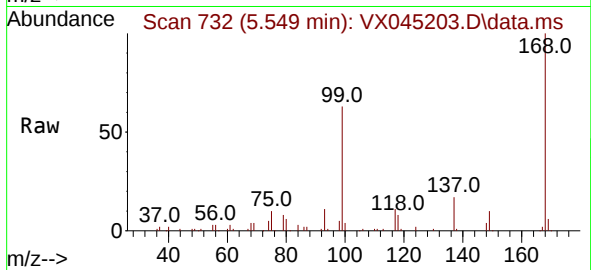
Tgt Ion:113 Resp: 51234
Ion Ratio Lower Upper
113 100
111 103.8 81.8 122.6
192 17.3 14.3 21.5



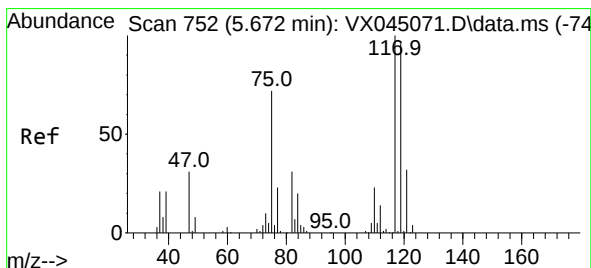
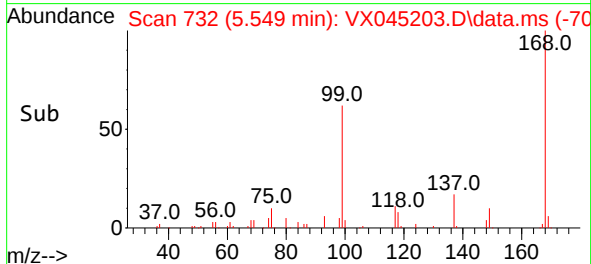
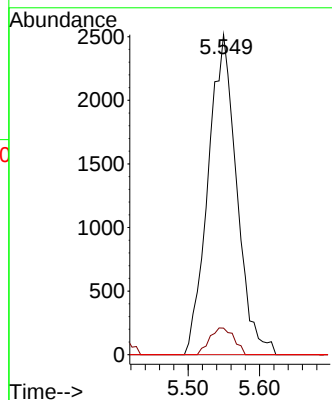


#36
1,1-Dichloropropene
Concen: 5.102 ug/l
RT: 5.549 min Scan# 712
Delta R.T. -0.141 min
Lab File: VX045203.D
Acq: 10 Mar 2025 17:58

Instrument :
MSVOA_X
ClientSampleId :

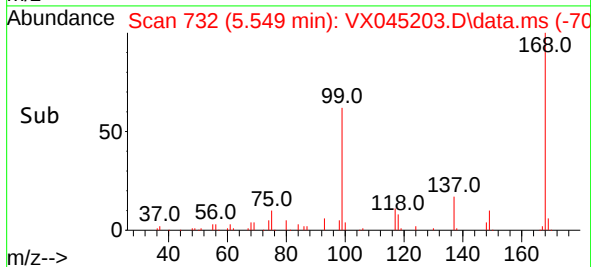
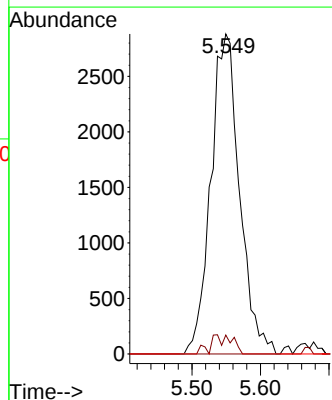
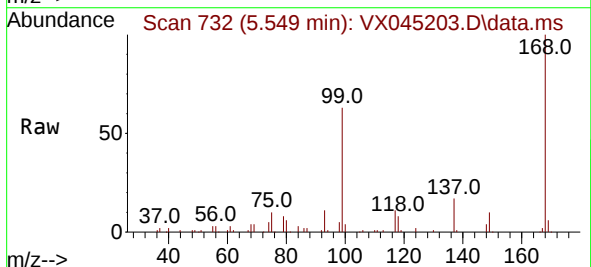


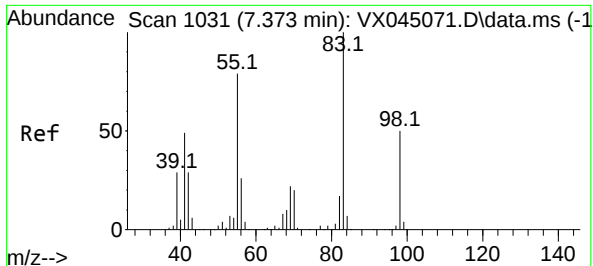
Tgt Ion: 75 Resp: 7000
Ion Ratio Lower Upper
75 100
110 7.1 16.9 50.6#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.020 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX045203.D
Acq: 10 Mar 2025 17:58

Tgt Ion: 117 Resp: 8386
Ion Ratio Lower Upper
117 100
119 5.9 76.7 115.1#
121 0.0 25.5 38.3#





#39

Methylcyclohexane

Concen: 0.372 ug/l

RT: 7.122 min Scan# 990

Delta R.T. -0.250 min

Lab File: VX045203.D

Acq: 10 Mar 2025 17:58

Instrument :

MSVOA_X

ClientSampleId :

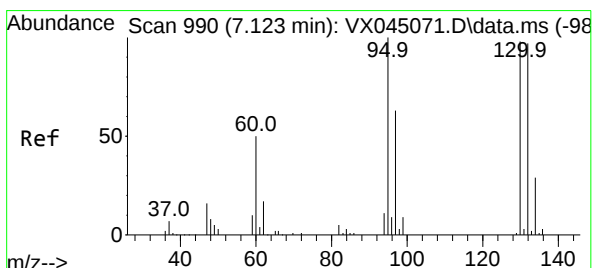
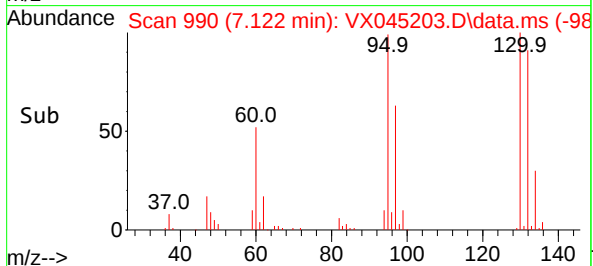
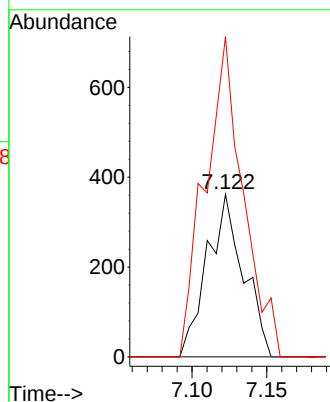
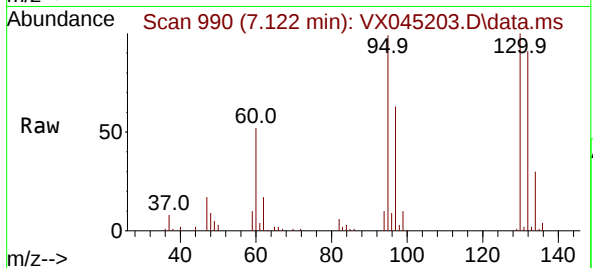
Tgt Ion: 83 Resp: 611

Ion Ratio Lower Upper

83 100

55 0.0 63.0 94.4#

98 236.9 39.7 59.5#



#44

Trichloroethene

Concen: 48.514 ug/l

RT: 7.122 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX045203.D

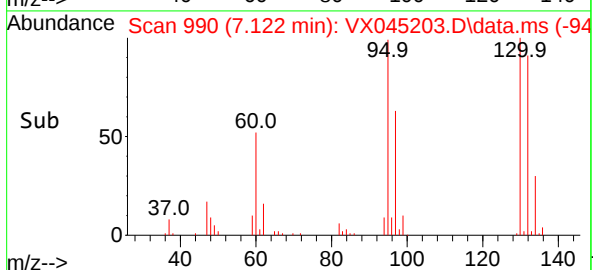
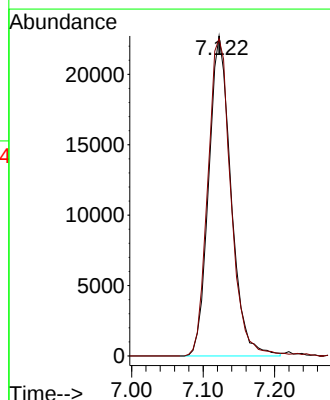
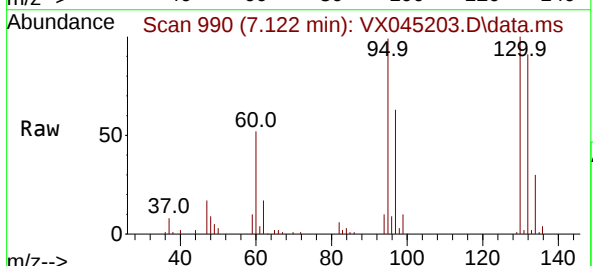
Acq: 10 Mar 2025 17:58

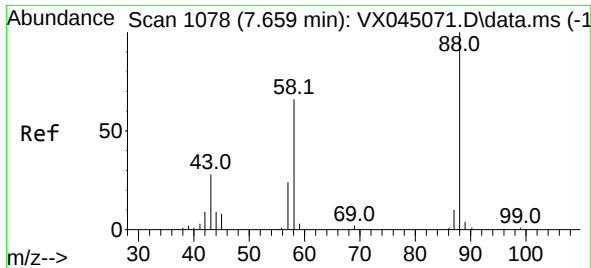
Tgt Ion:130 Resp: 49357

Ion Ratio Lower Upper

130 100

95 99.1 0.0 205.0

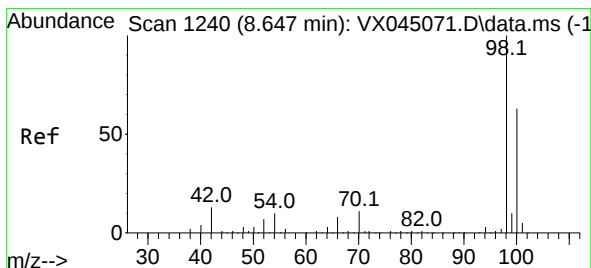
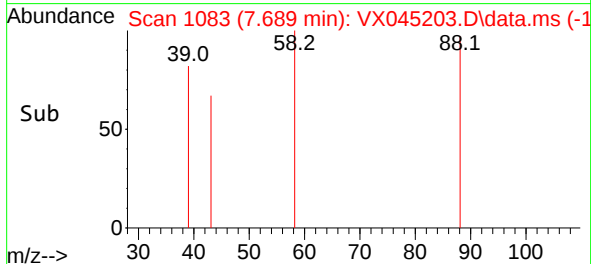
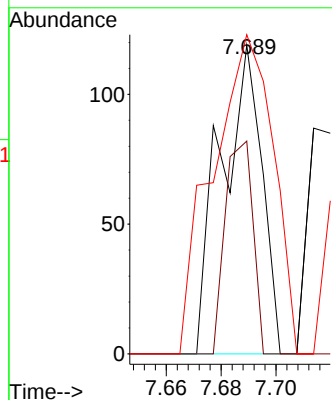
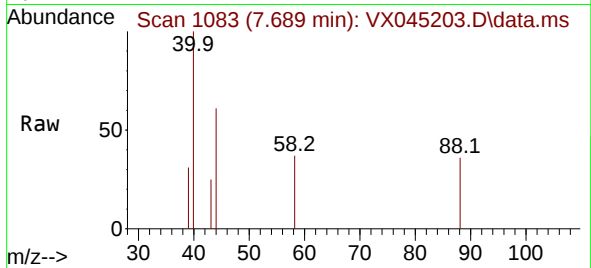




#49
1,4-Dioxane
Concen: 4.482 ug/l
RT: 7.689 min Scan# 1078
Delta R.T. 0.030 min
Lab File: VX045203.D
Acq: 10 Mar 2025 17:58

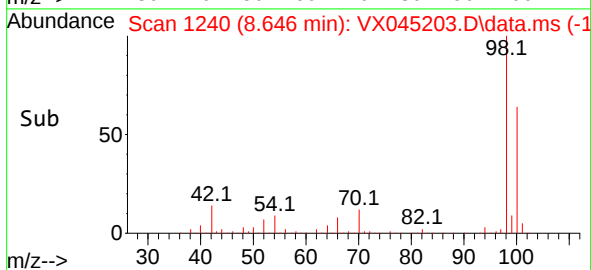
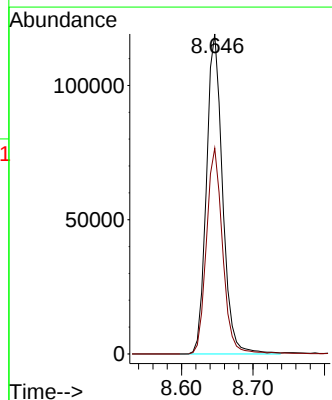
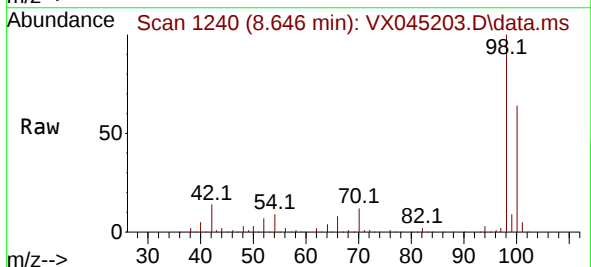
Instrument :
MSVOA_X
ClientSampleId :

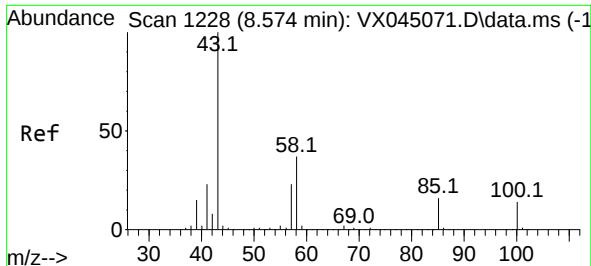
Tgt Ion: 88 Resp: 124
Ion Ratio Lower Upper
88 100
43 46.8 28.7 43.1#
58 153.2 55.8 83.8#



#50
Toluene-d8
Concen: 51.472 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045203.D
Acq: 10 Mar 2025 17:58

Tgt Ion: 98 Resp: 186697
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0

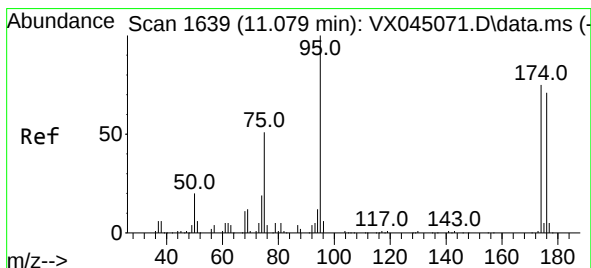
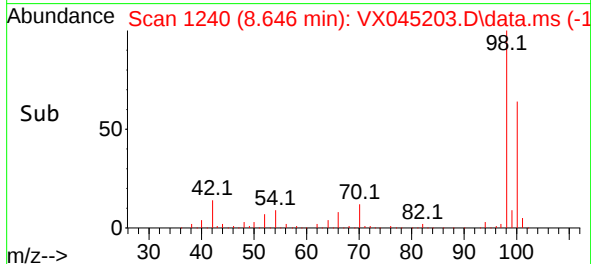
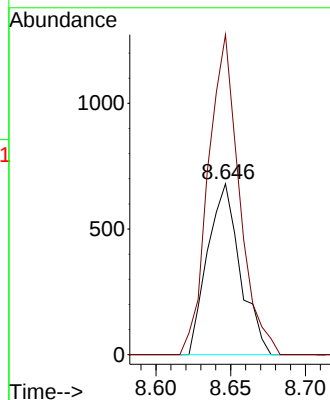
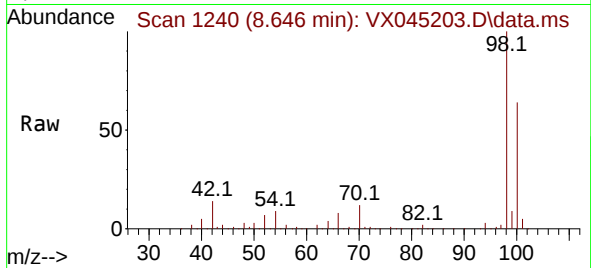




#51
4-Methyl-2-Pentanone
Concen: 0.586 ug/l
RT: 8.646 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX045203.D
Acq: 10 Mar 2025 17:58

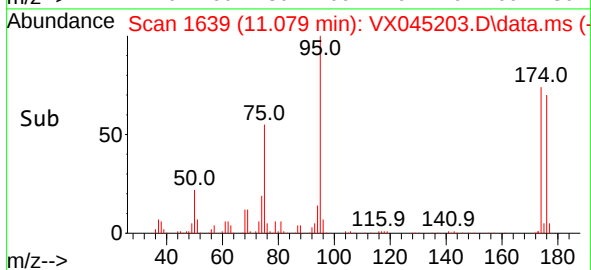
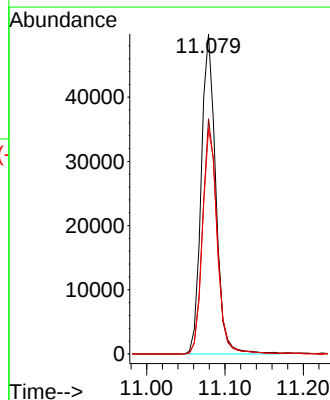
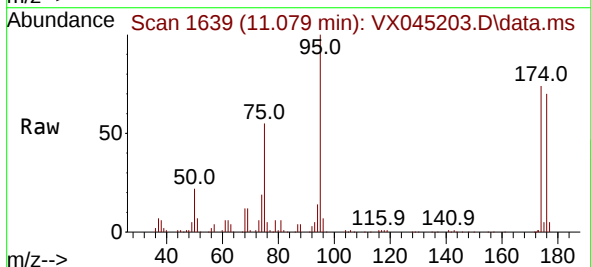
Instrument :
MSVOA_X
ClientSampleId :

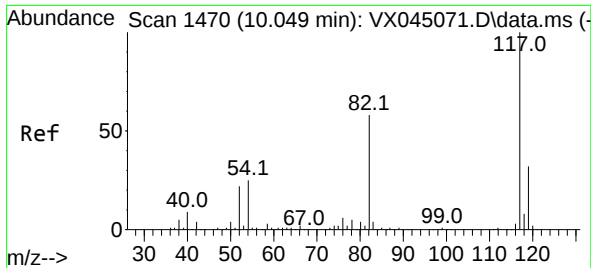
Tgt Ion: 43 Resp: 1029
Ion Ratio Lower Upper
43 100
58 179.2 29.2 43.8#



#62
4-Bromofluorobenzene
Concen: 53.579 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045203.D
Acq: 10 Mar 2025 17:58

Tgt Ion: 95 Resp: 64399
Ion Ratio Lower Upper
95 100
174 72.9 0.0 148.2
176 71.2 0.0 141.4

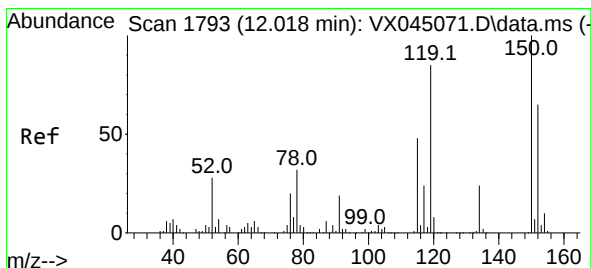
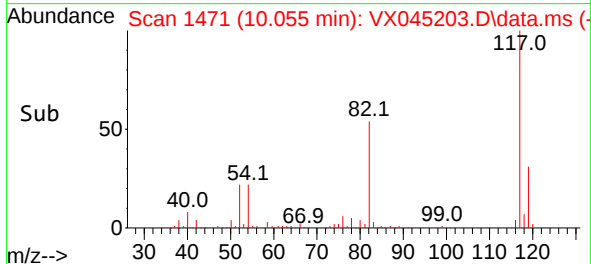
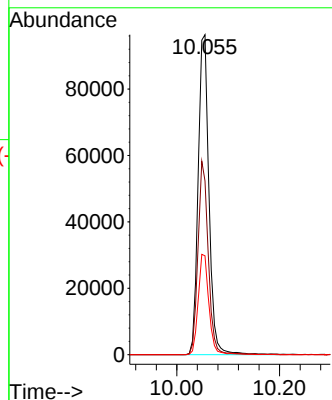
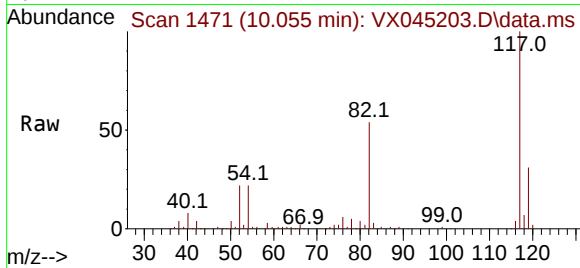




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045203.D
Acq: 10 Mar 2025 17:58

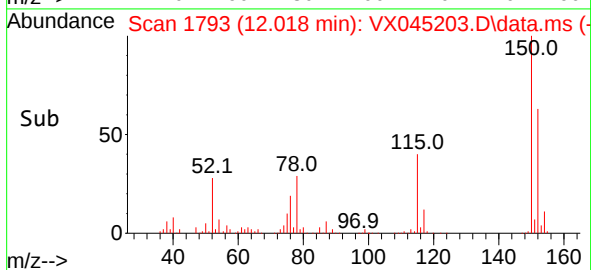
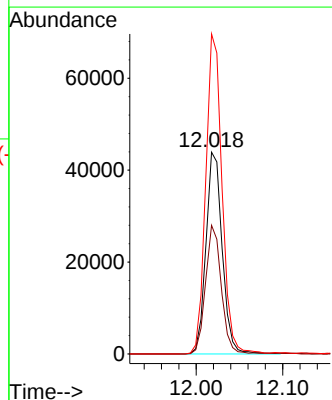
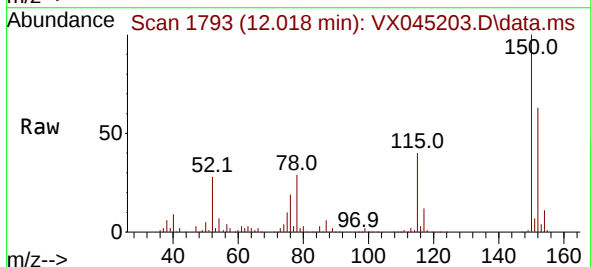
Instrument :
MSVOA_X
ClientSampleId :

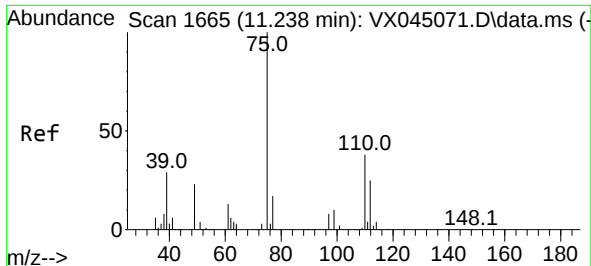
Tgt Ion:117 Resp: 141061
Ion Ratio Lower Upper
117 100
82 54.3 46.3 69.5
119 30.9 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045203.D
Acq: 10 Mar 2025 17:58

Tgt Ion:152 Resp: 57421
Ion Ratio Lower Upper
152 100
115 61.7 44.2 132.6
150 158.2 0.0 349.0

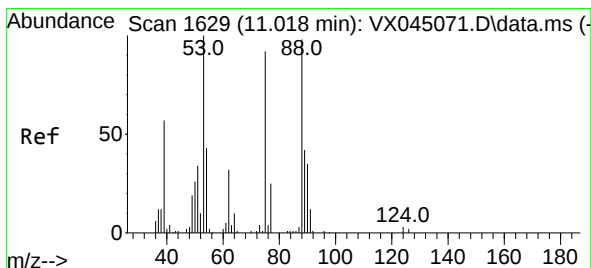
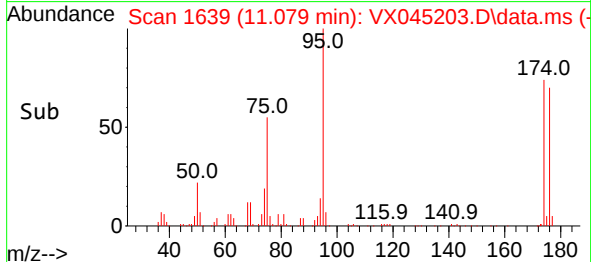
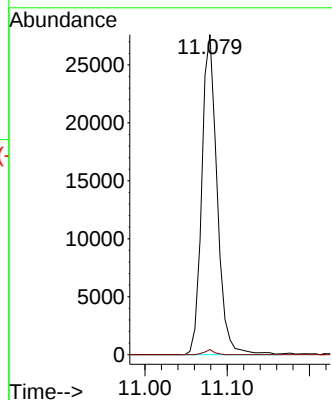
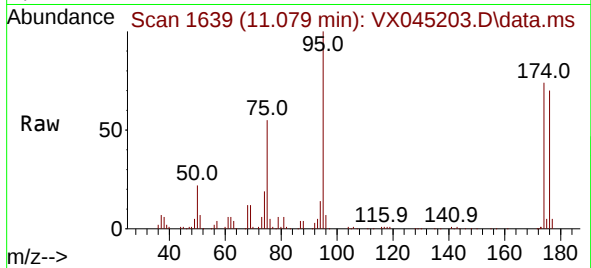




#76
1,2,3-Trichloropropane
Concen: 26.774 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045203.D
Acq: 10 Mar 2025 17:58

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 35783
Ion Ratio Lower Upper
75 100
77 1.0 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.626 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045203.D
Acq: 10 Mar 2025 17:58

Tgt Ion: 75 Resp: 35783
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

