

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
 Data File : VX045270.D
 Acq On : 13 Mar 2025 15:33
 Operator : JC/MD
 Sample : Q1559-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 14 12:28:56 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)

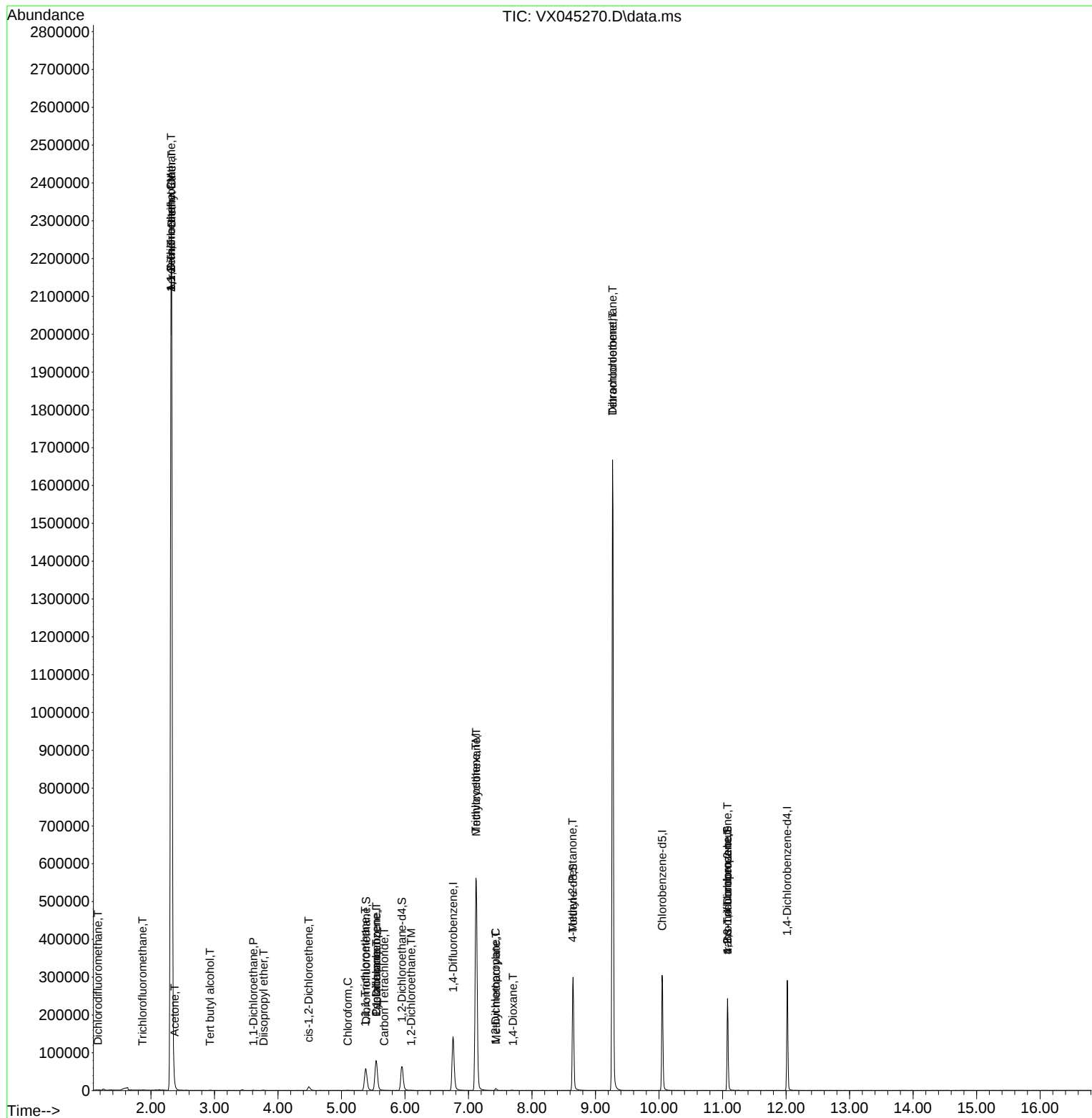
Internal Standards						
1) Pentafluorobenzene	5.550	168	71598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	141729	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	129088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	55430	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63045	55.357	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.720%
35) Dibromofluoromethane	5.385	113	49789	52.536	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.080%
50) Toluene-d8	8.647	98	177503	51.663	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.320%
62) 4-Bromofluorobenzene	11.079	95	61704	54.197	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	108.400%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	289	0.321	ug/l	70
7) Trichlorofluoromethane	1.868	101	496	0.342	ug/l #	79
8) Diethyl Ether	2.325	74	907	1.601	ug/l #	1
9) 1,1,2-Trichlorotrifluo...	2.319	101	943563	1133.889	ug/l	98
11) Tert butyl alcohol	2.928	59	206	0.955	ug/l #	73
12) 1,1-Dichloroethene	2.313	96	7686	8.736	ug/l	83
13) Acrolein	2.319	56	99	0.397	ug/l #	15
16) Acetone	2.374	43	641	1.213	ug/l #	82
22) Diisopropyl ether	3.776	45	838	0.263	ug/l #	64
24) 1,1-Dichloroethane	3.611	63	842	0.472	ug/l #	83
27) cis-1,2-Dichloroethene	4.483	96	5875	5.476	ug/l	93
30) Chloroform	5.099	83	908	0.512	ug/l	88
31) Cyclohexane	5.550	56	2048	1.322	ug/l #	9
32) 1,1,1-Trichloroethane	5.373	97	446	0.311	ug/l #	49
36) 1,1-Dichloropropene	5.550	75	6504	5.004	ug/l #	51
38) Carbon Tetrachloride	5.672	117	273	0.207	ug/l #	12
39) Methylcyclohexane	7.123	83	2744	1.762	ug/l #	1
42) 1,2-Dichloroethane	6.098	62	937	0.634	ug/l #	75
44) Trichloroethene	7.117	130	208649	216.513	ug/l	97
45) 1,2-Dichloropropane	7.427	63	1985	1.881	ug/l #	89
48) Methyl methacrylate	7.434	41	1404	1.130	ug/l #	48
49) 1,4-Dioxane	7.702	88	586	22.360	ug/l #	23
51) 4-Methyl-2-Pentanone	8.641	43	965	0.580	ug/l #	1
60) Dibromochloromethane	9.269	129	295397	284.997	ug/l #	11
64) Tetrachloroethene	9.269	164	293280	354.736	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	33717	26.134	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	33717	89.437	ug/l #	6

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045270.D
Acq On : 13 Mar 2025 15:33
Operator : JC/MD
Sample : Q1559-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

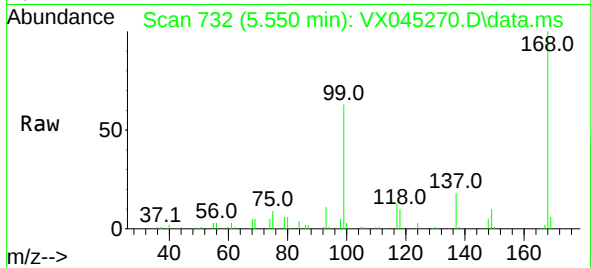
Quant Time: Mar 14 12:28:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
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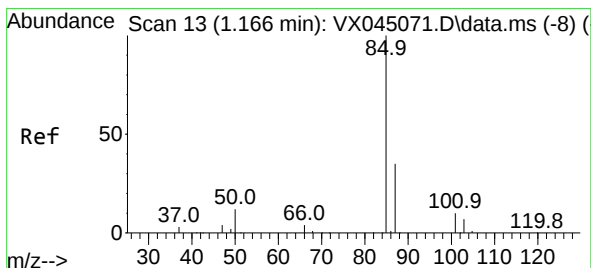
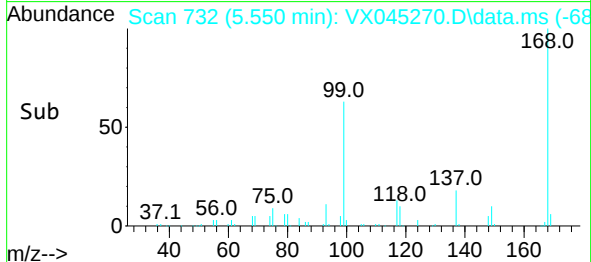
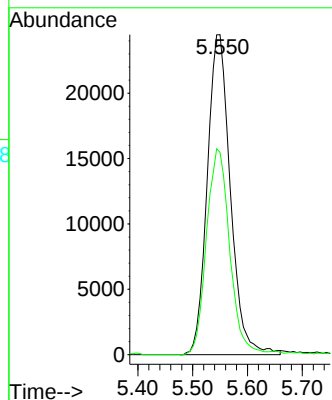


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

Instrument :
MSVOA_X
ClientSampleId :

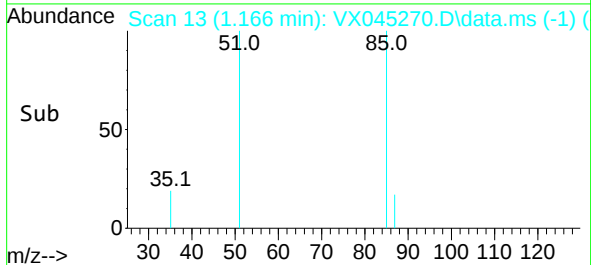
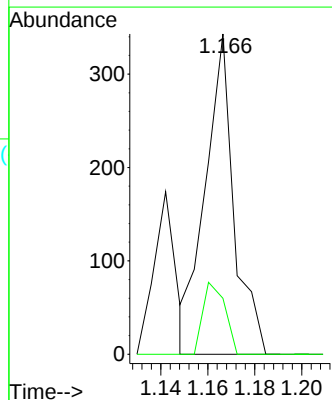
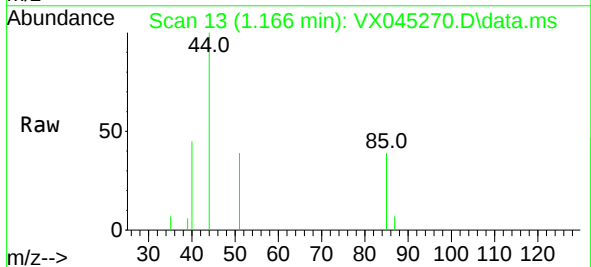


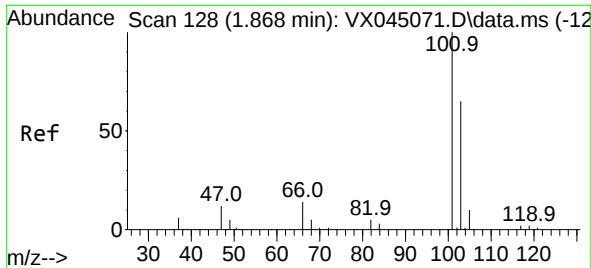
Tgt Ion:168 Resp: 71598
Ion Ratio Lower Upper
168 100
99 63.2 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 0.321 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

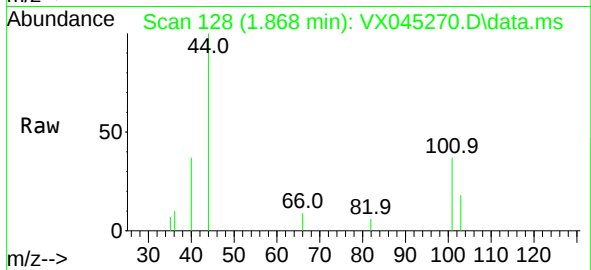
Tgt Ion: 85 Resp: 289
Ion Ratio Lower Upper
85 100
87 17.5 17.4 52.3



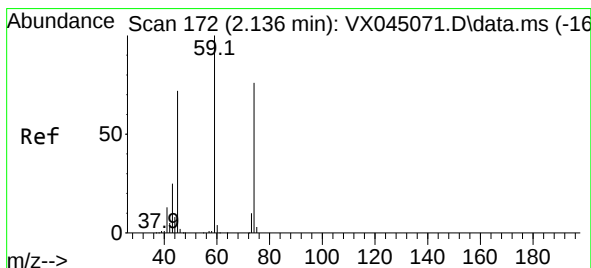
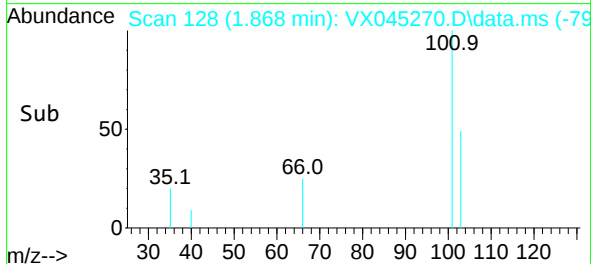
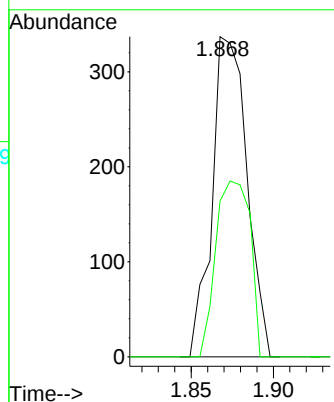


#7
 Trichlorofluoromethane
 Concen: 0.342 ug/l
 RT: 1.868 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045270.D
 Acq: 13 Mar 2025 15:33

Instrument :
 MSVOA_X
 ClientSampleId :

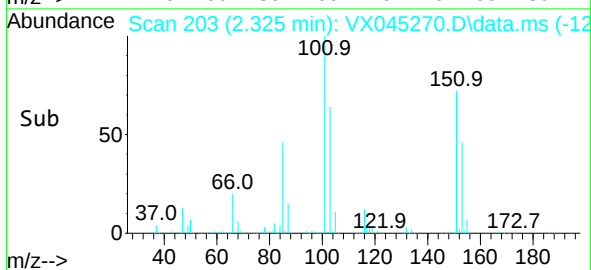
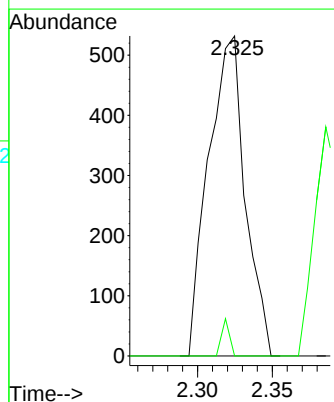
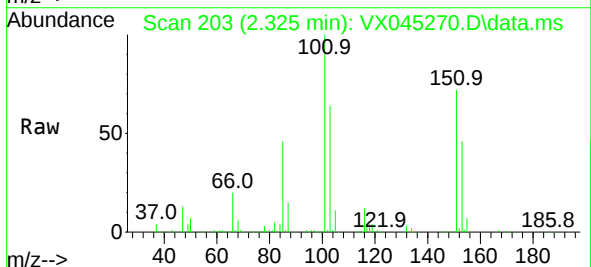


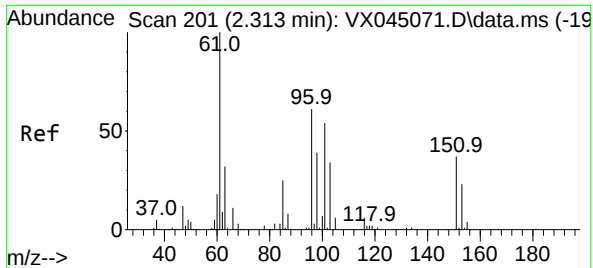
Tgt Ion:101 Resp: 496
 Ion Ratio Lower Upper
 101 100
 103 48.7 52.1 78.1#



#8
 Diethyl Ether
 Concen: 1.601 ug/l
 RT: 2.325 min Scan# 203
 Delta R.T. 0.189 min
 Lab File: VX045270.D
 Acq: 13 Mar 2025 15:33

Tgt Ion: 74 Resp: 907
 Ion Ratio Lower Upper
 74 100
 45 2.5 51.5 154.5#

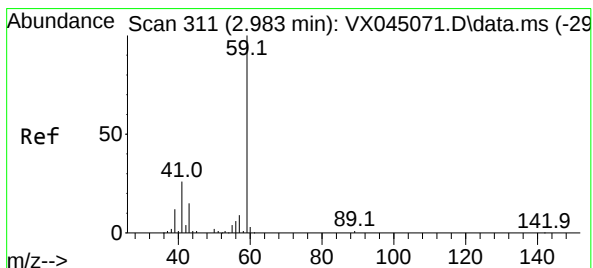
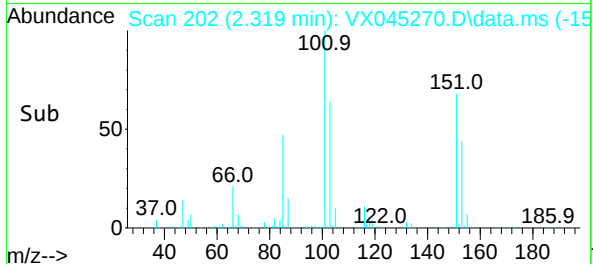
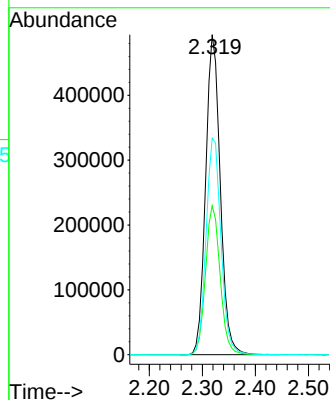
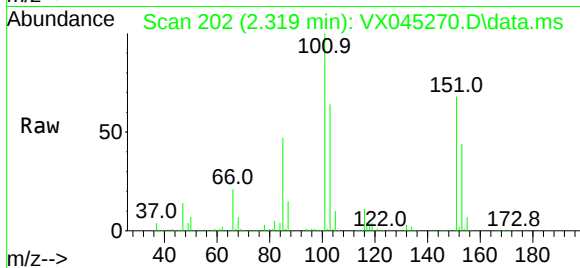




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1133.889 ug/l
 RT: 2.319 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VX045270.D
 Acq: 13 Mar 2025 15:33

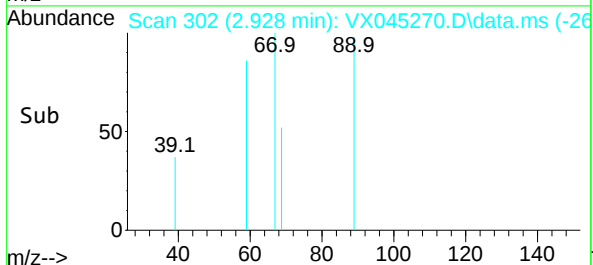
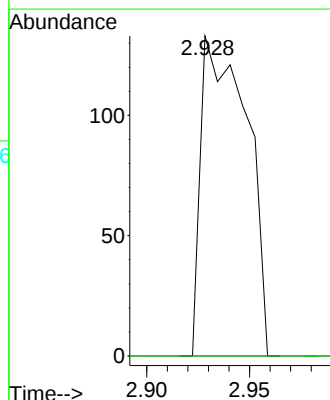
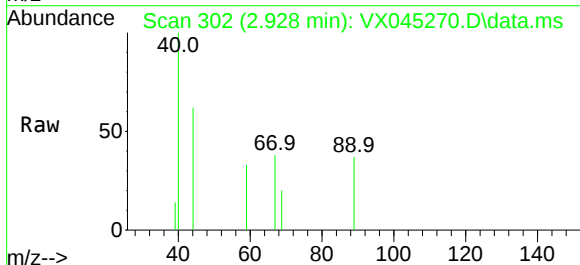
Instrument :
 MSVOA_X
 ClientSampleId :

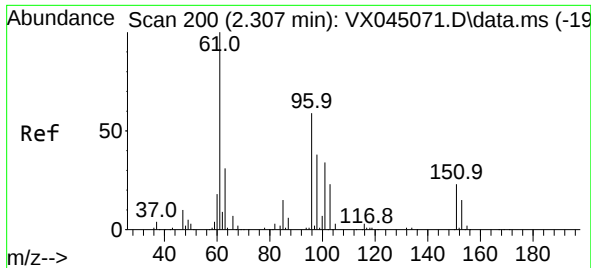
Tgt Ion:101 Resp: 943563
 Ion Ratio Lower Upper
 101 100
 85 46.6 36.2 54.4
 151 69.3 56.4 84.6



#11
 Tert butyl alcohol
 Concen: 0.955 ug/l
 RT: 2.928 min Scan# 302
 Delta R.T. -0.055 min
 Lab File: VX045270.D
 Acq: 13 Mar 2025 15:33

Tgt Ion: 59 Resp: 206
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 8.736 ug/l

RT: 2.313 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX045270.D

Acq: 13 Mar 2025 15:33

Instrument :

MSVOA_X

ClientSampleId :

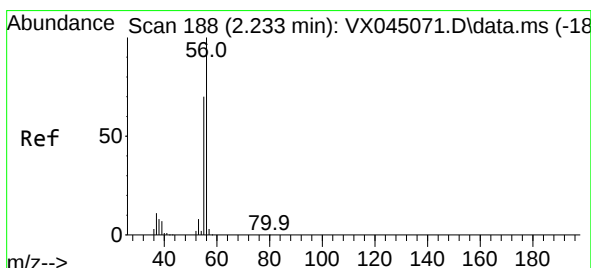
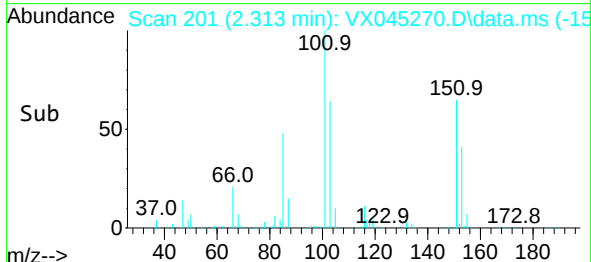
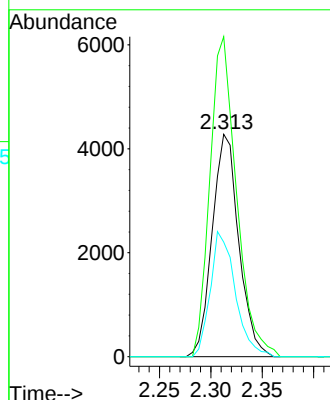
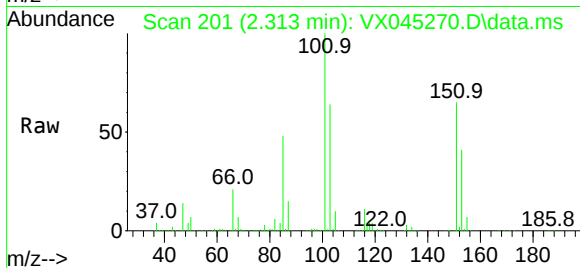
Tgt Ion: 96 Resp: 7686

Ion Ratio Lower Upper

96 100

61 143.9 134.6 202.0

98 51.5 51.0 76.6



#13

Acrolein

Concen: 0.397 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.085 min

Lab File: VX045270.D

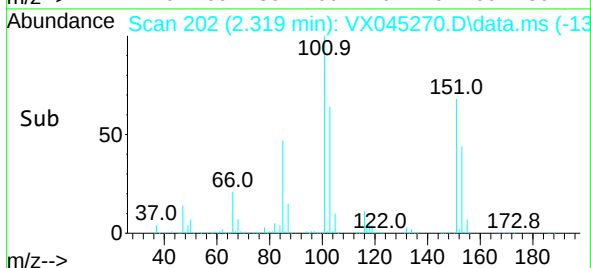
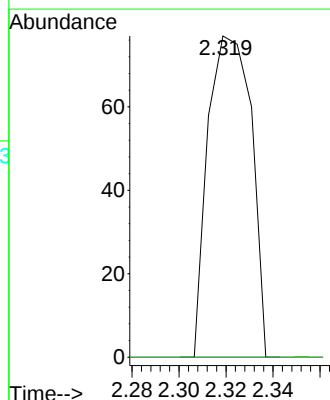
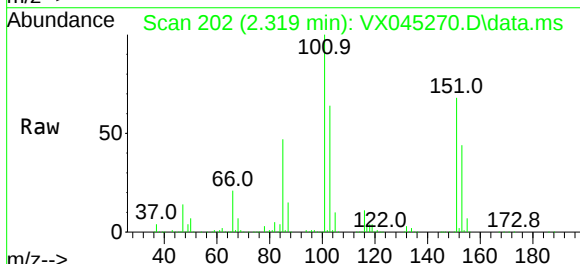
Acq: 13 Mar 2025 15:33

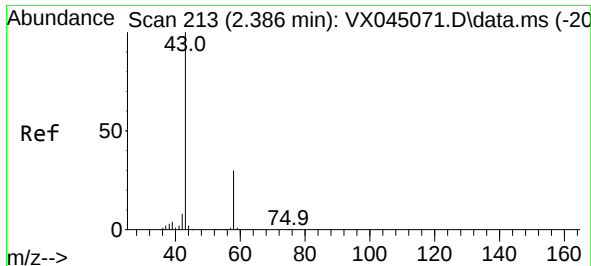
Tgt Ion: 56 Resp: 99

Ion Ratio Lower Upper

56 100

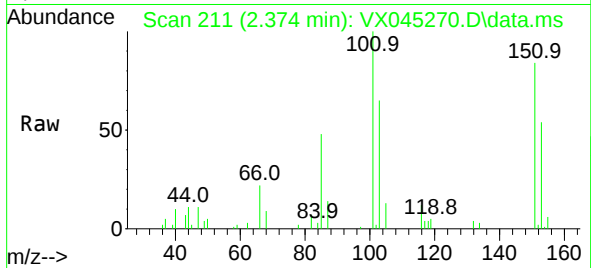
55 0.0 56.2 84.4#



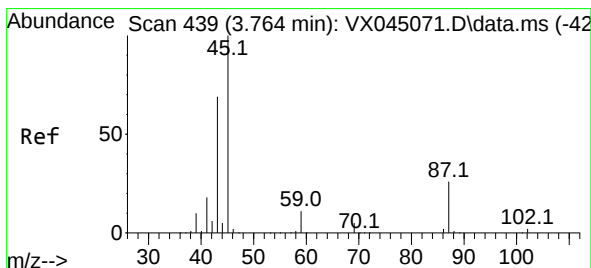
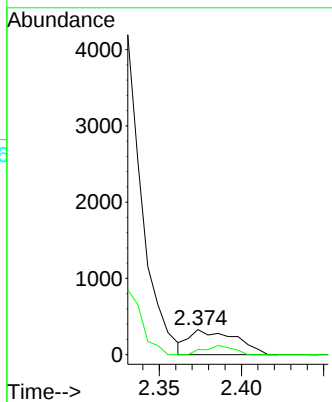
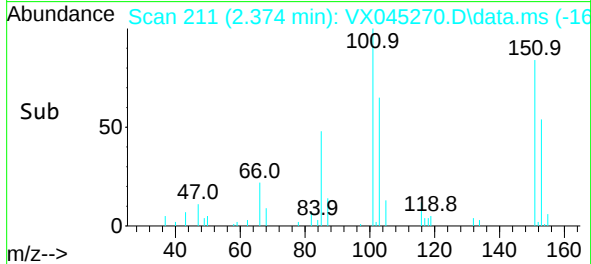


#16
Acetone
Concen: 1.213 ug/l
RT: 2.374 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

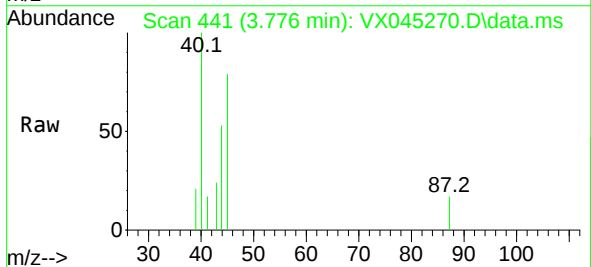
Instrument :
MSVOA_X
ClientSampleId :



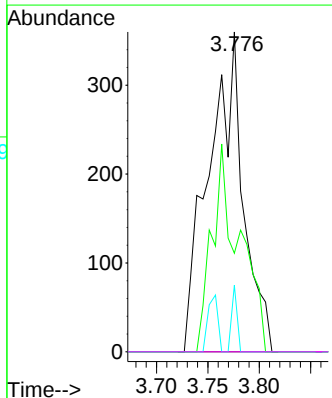
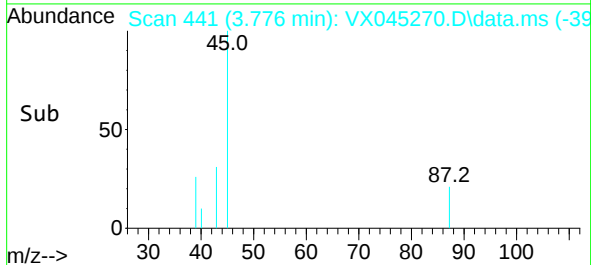
Tgt Ion: 43 Resp: 641
Ion Ratio Lower Upper
43 100
58 20.3 24.2 36.4#

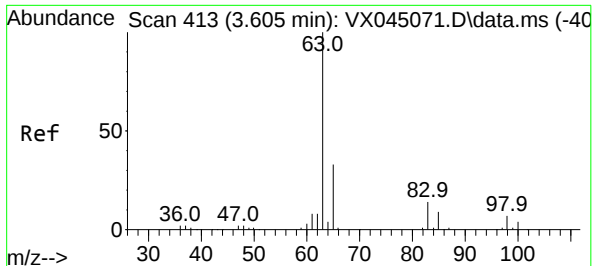


#22
Diisopropyl ether
Concen: 0.263 ug/l
RT: 3.776 min Scan# 441
Delta R.T. 0.012 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33



Tgt Ion: 45 Resp: 838
Ion Ratio Lower Upper
45 100
43 30.8 54.9 82.3#
87 20.8 21.0 31.4#
59 0.0 8.7 13.1#

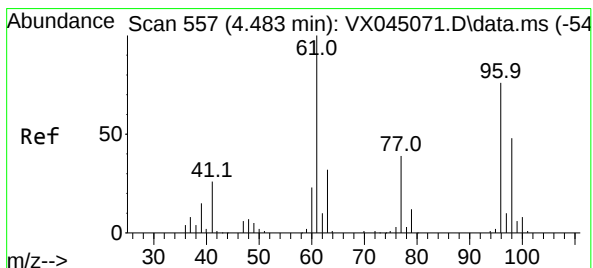
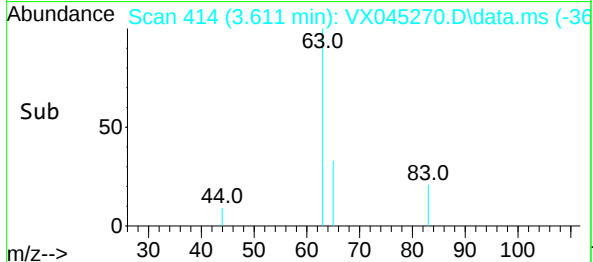
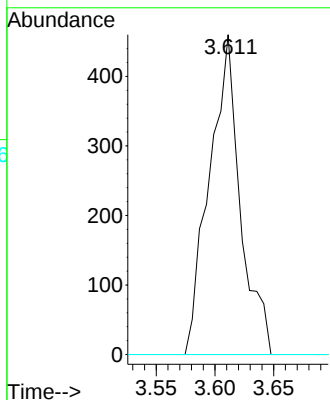
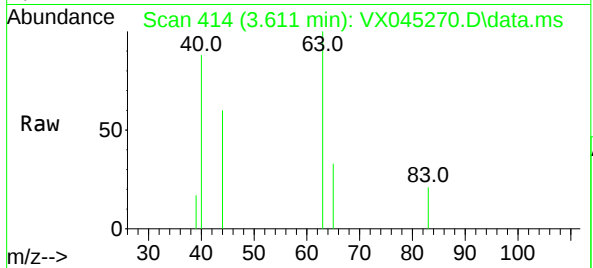




#24
1,1-Dichloroethane
Concen: 0.472 ug/l
RT: 3.611 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

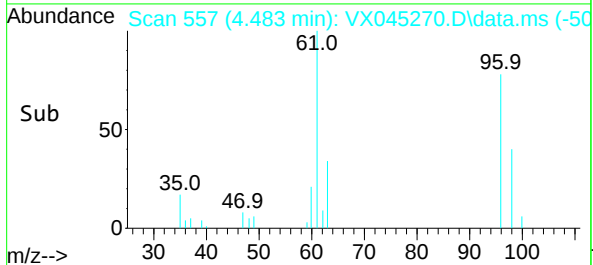
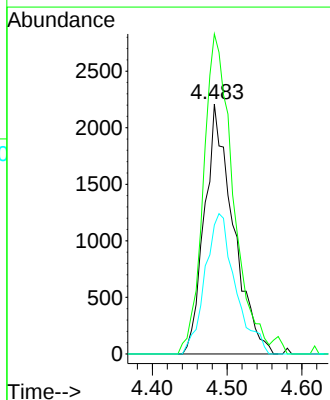
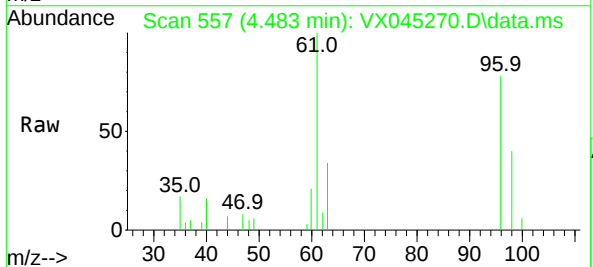
Instrument :
MSVOA_X
ClientSampleId :

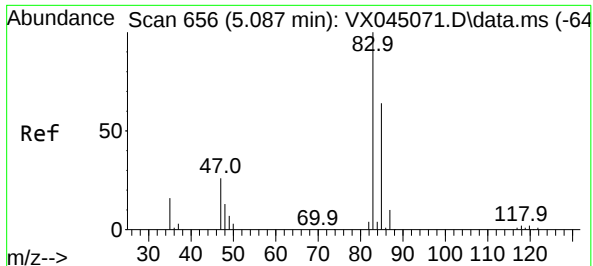
Tgt Ion: 63 Resp: 842
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.2#
100 0.0 2.1 6.5#



#27
cis-1,2-Dichloroethene
Concen: 5.476 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.000 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

Tgt Ion: 96 Resp: 5875
Ion Ratio Lower Upper
96 100
61 133.0 0.0 283.2
98 59.3 0.0 128.0





#30

Chloroform

Concen: 0.512 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX045270.D

Acq: 13 Mar 2025 15:33

Instrument :

MSVOA_X

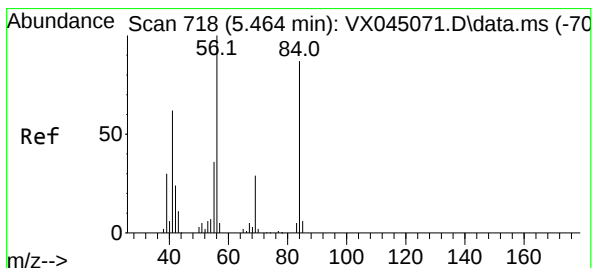
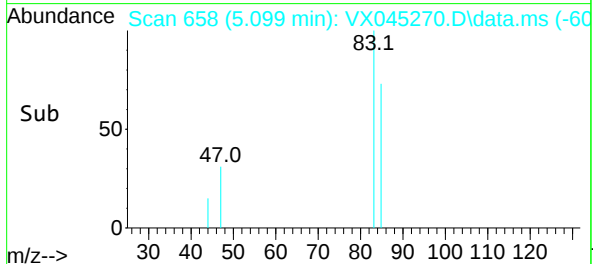
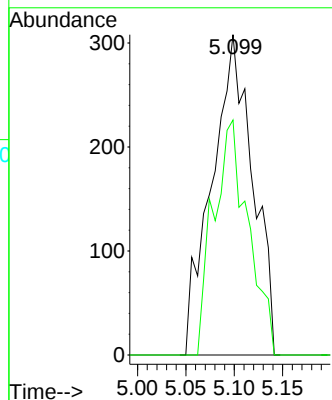
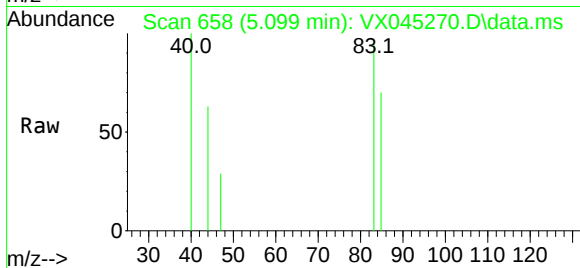
ClientSampleId :

Tgt Ion: 83 Resp: 908

Ion Ratio Lower Upper

83 100

85 73.4 51.4 77.2



#31

Cyclohexane

Concen: 1.322 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX045270.D

Acq: 13 Mar 2025 15:33

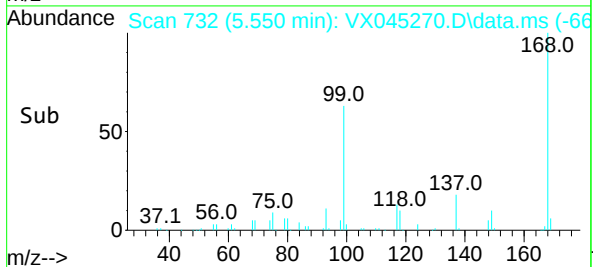
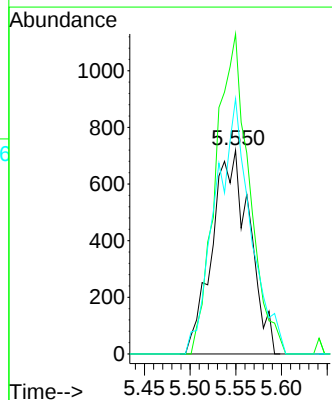
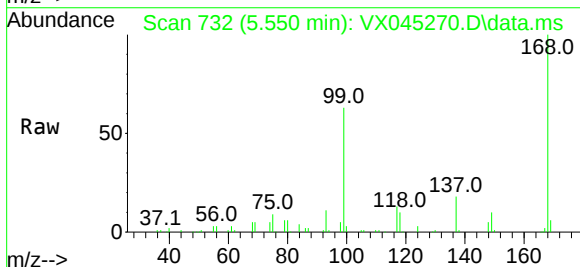
Tgt Ion: 56 Resp: 2048

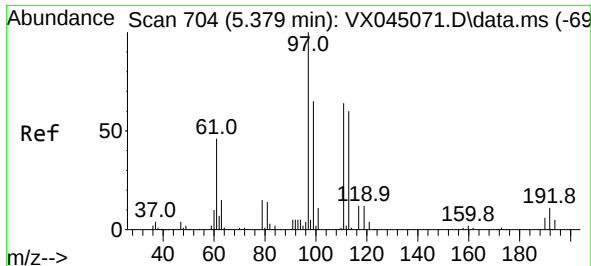
Ion Ratio Lower Upper

56 100

69 157.2 23.4 35.2#

84 125.3 69.4 104.2#

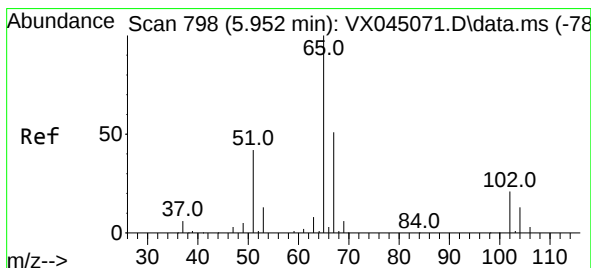
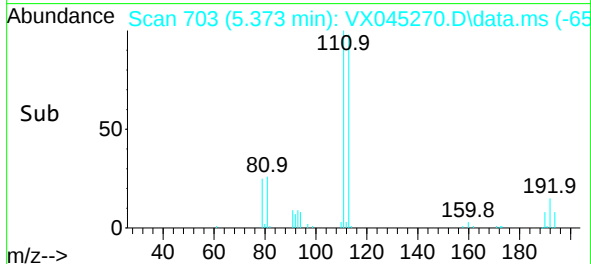
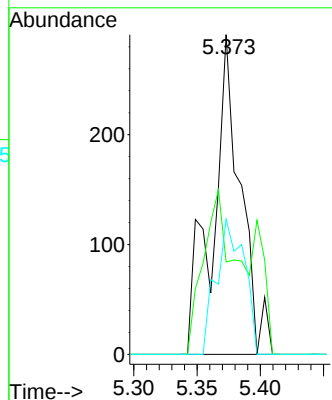
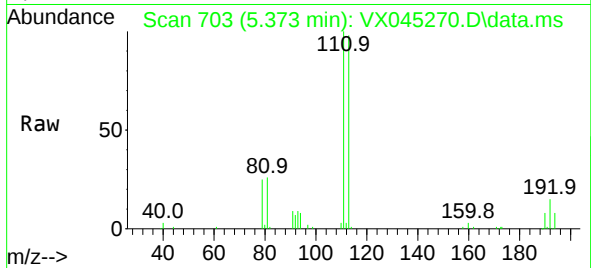




#32
1,1,1-Trichloroethane
Concen: 0.311 ug/l
RT: 5.373 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

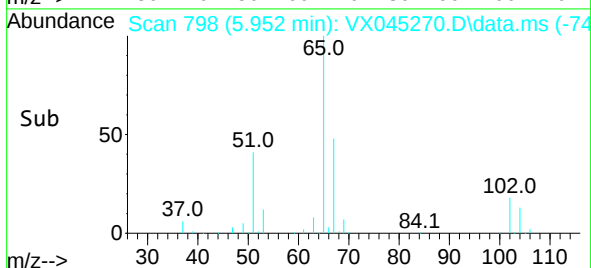
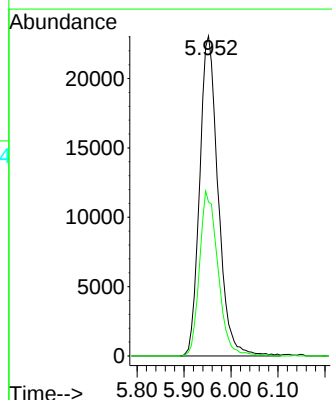
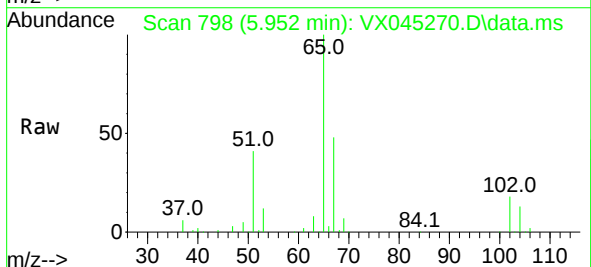
Instrument :
MSVOA_X
ClientSampleId :

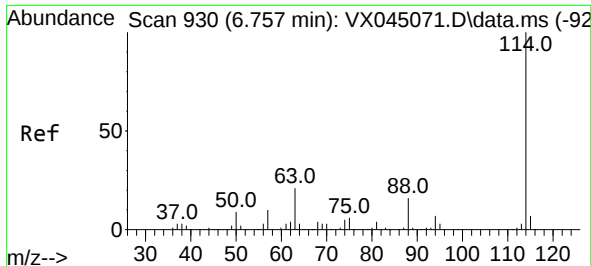
Tgt Ion: 97 Resp: 446
Ion Ratio Lower Upper
97 100
99 0.0 51.6 77.4#
61 42.4 38.4 57.6



#33
1,2-Dichloroethane-d4
Concen: 55.357 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

Tgt Ion: 65 Resp: 63045
Ion Ratio Lower Upper
65 100
67 51.4 0.0 106.2

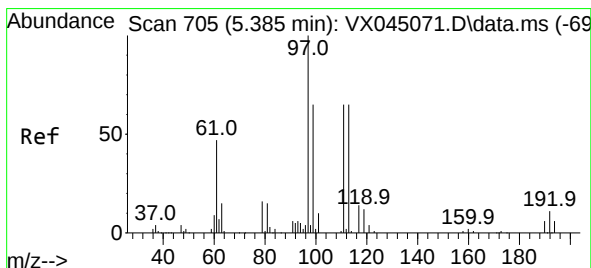
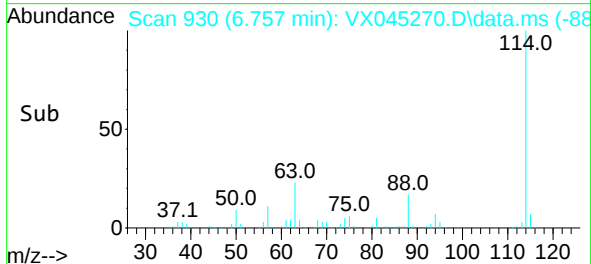
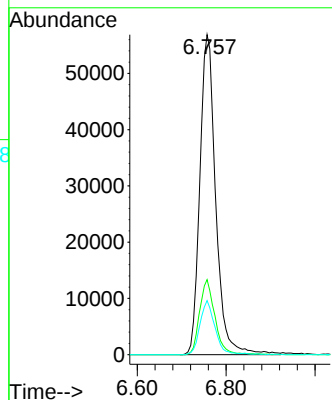
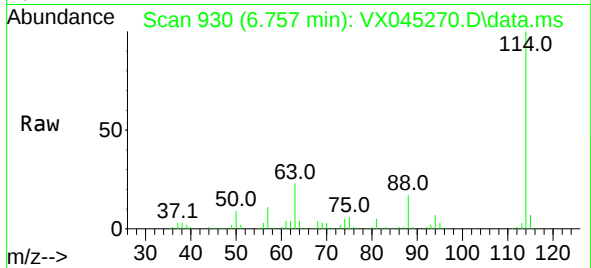




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

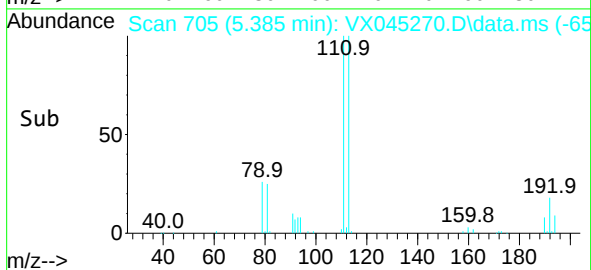
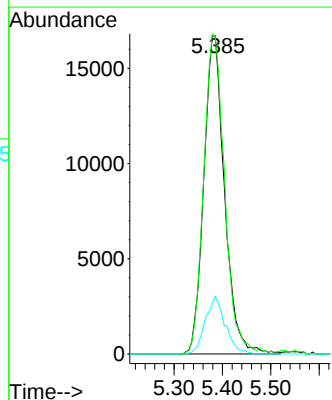
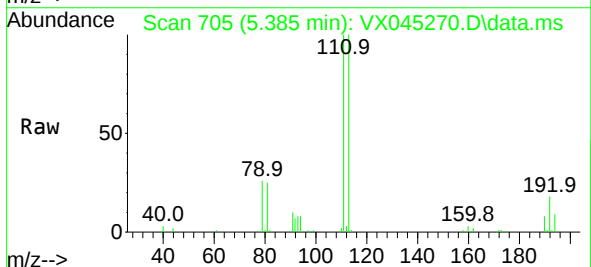
Instrument :
MSVOA_X
ClientSampleId :

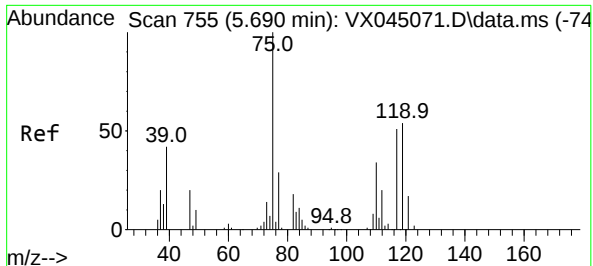
Tgt Ion:114 Resp: 141729
Ion Ratio Lower Upper
114 100
63 23.5 0.0 41.8
88 16.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.536 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

Tgt Ion:113 Resp: 49789
Ion Ratio Lower Upper
113 100
111 100.9 81.8 122.6
192 17.4 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.004 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

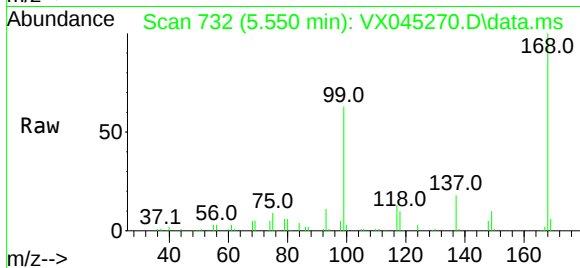
Lab File: VX045270.D

Acq: 13 Mar 2025 15:33

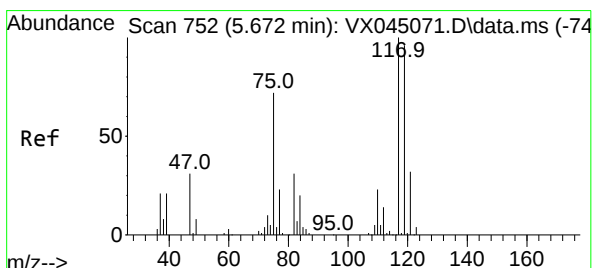
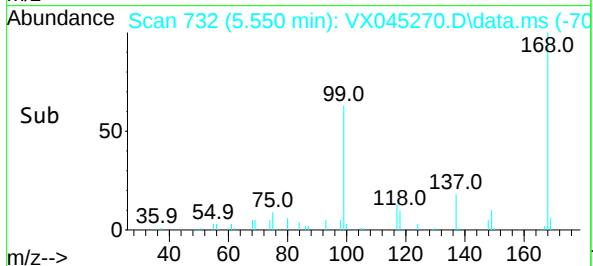
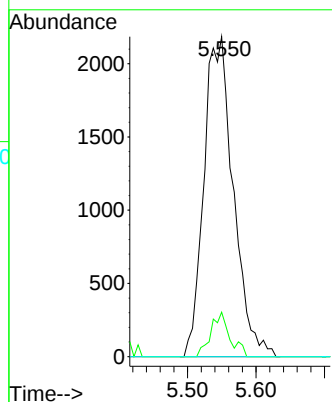
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 75	Resp: 6504
Ion Ratio	Lower Upper
75 100	
110 8.9	16.9 50.6#
77 0.0	24.5 36.7#



#38

Carbon Tetrachloride

Concen: 0.207 ug/l

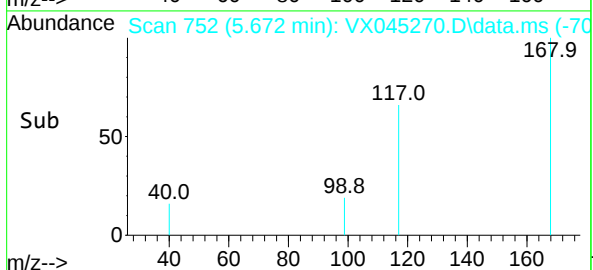
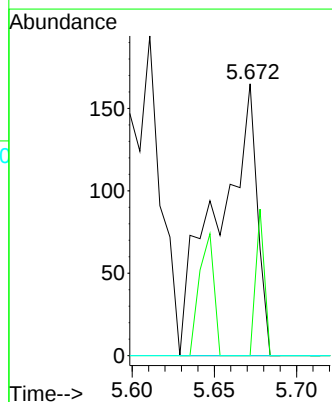
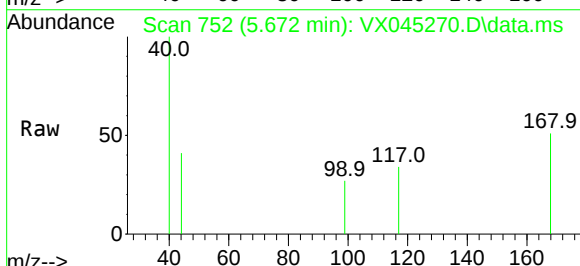
RT: 5.672 min Scan# 752

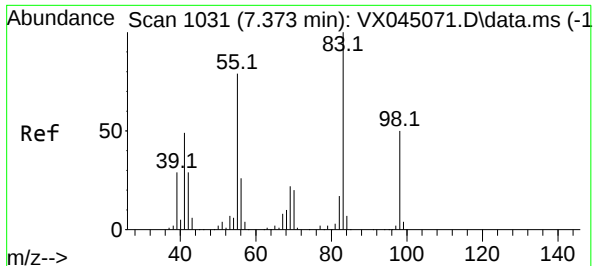
Delta R.T. -0.000 min

Lab File: VX045270.D

Acq: 13 Mar 2025 15:33

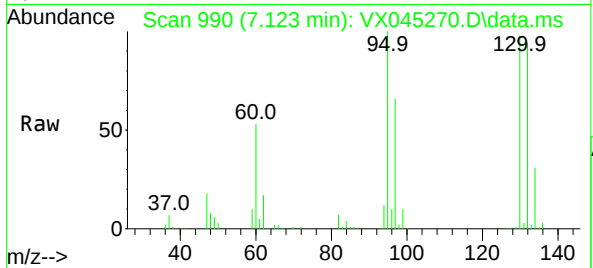
Tgt Ion: 117	Resp: 273
Ion Ratio	Lower Upper
117 100	
119 0.0	76.7 115.1#
121 0.0	25.5 38.3#



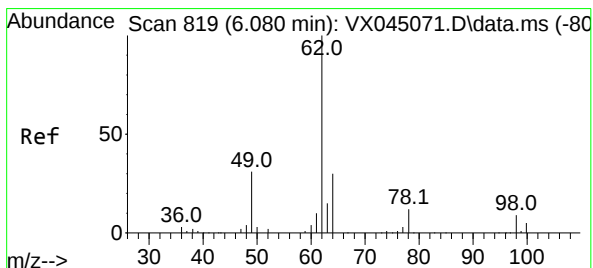
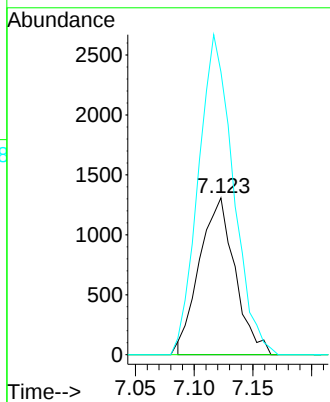
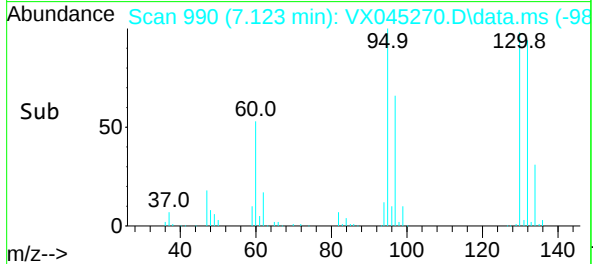


#39
Methylcyclohexane
Concen: 1.762 ug/l
RT: 7.123 min Scan# 91
Delta R.T. -0.250 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

Instrument :
MSVOA_X
ClientSampleId :

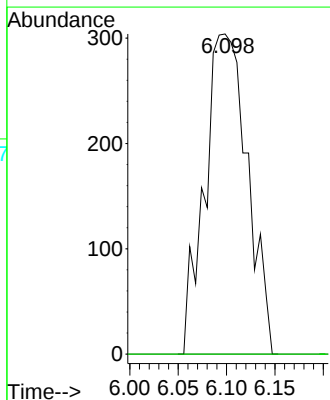
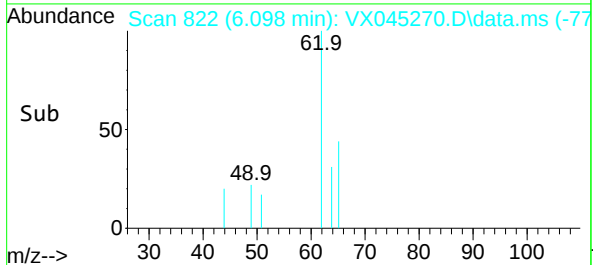
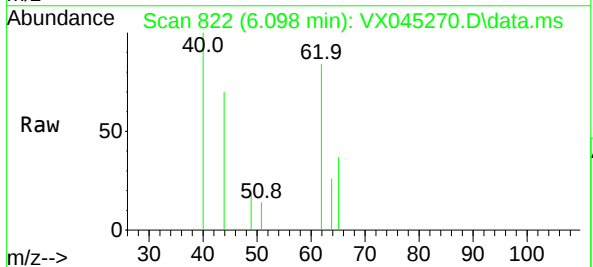


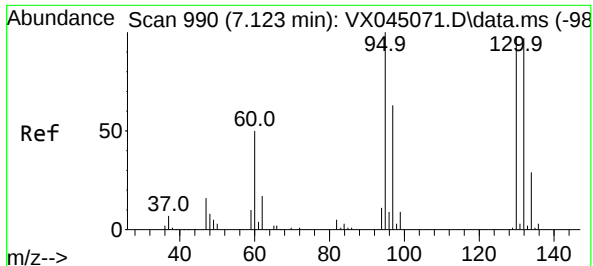
Tgt Ion: 83 Resp: 2744
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 180.5 39.7 59.5#



#42
1,2-Dichloroethane
Concen: 0.634 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.018 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

Tgt Ion: 62 Resp: 937
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

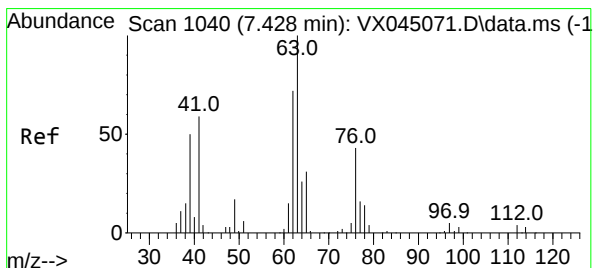
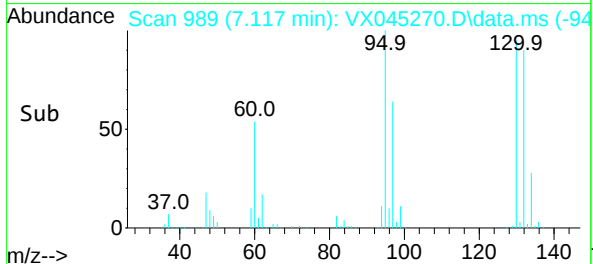
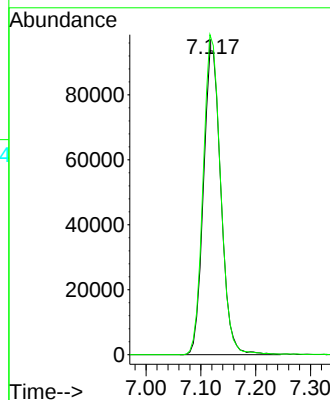
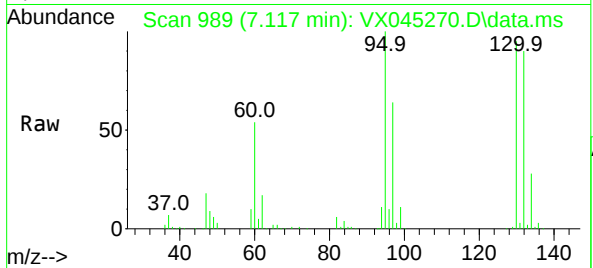




#44
Trichloroethene
Concen: 216.513 ug/l
RT: 7.117 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

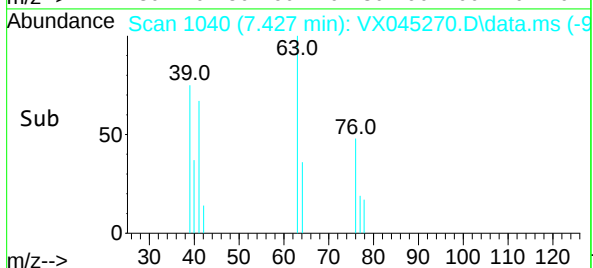
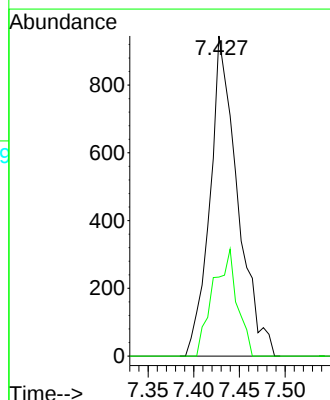
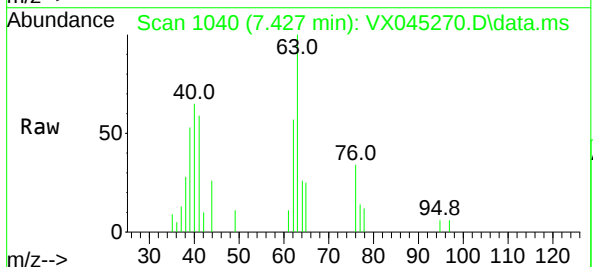
Instrument :
MSVOA_X
ClientSampleId :

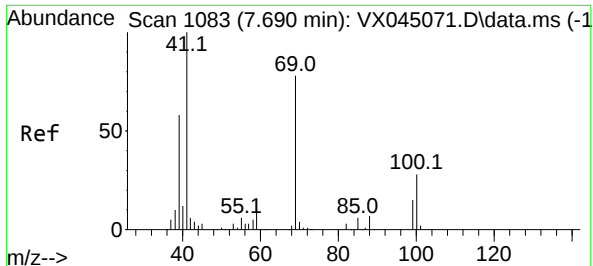
Tgt Ion:130 Resp: 208649
Ion Ratio Lower Upper
130 100
95 105.3 0.0 205.0



#45
1,2-Dichloropropane
Concen: 1.881 ug/l
RT: 7.427 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

Tgt Ion: 63 Resp: 1985
Ion Ratio Lower Upper
63 100
65 24.7 24.7 37.1#

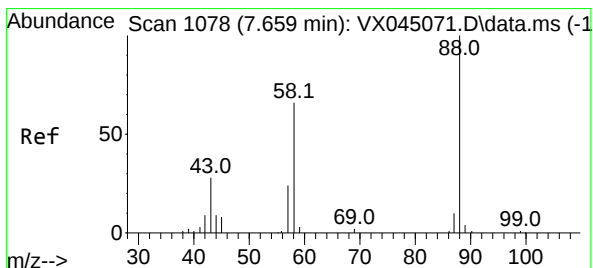
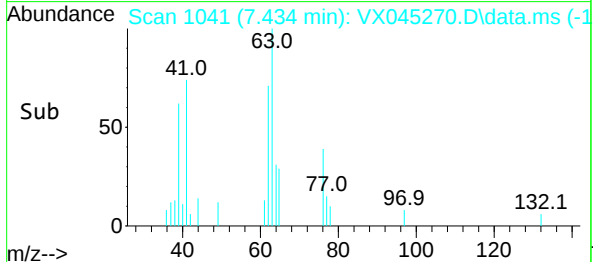
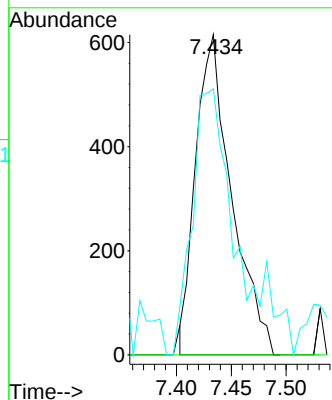
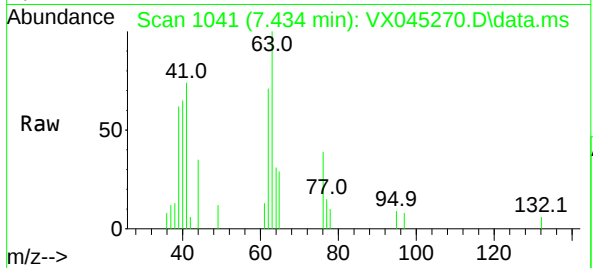




#48
Methyl methacrylate
Concen: 1.130 ug/l
RT: 7.434 min Scan# 1041
Delta R.T. -0.256 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

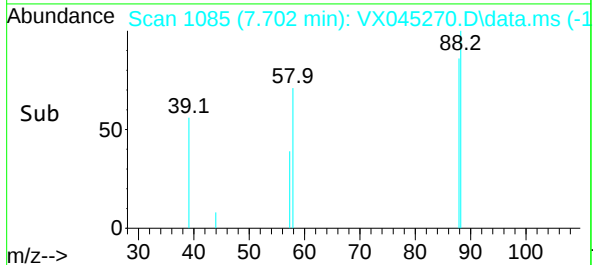
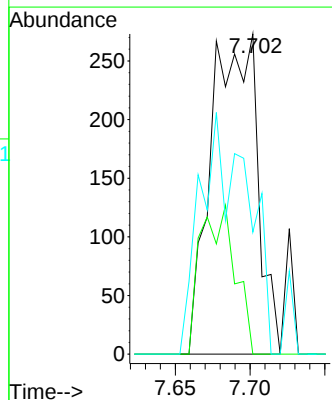
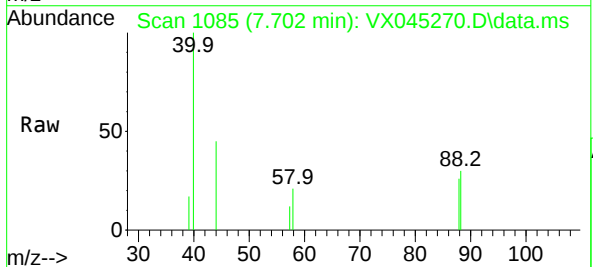
Instrument :
MSVOA_X
ClientSampleId :

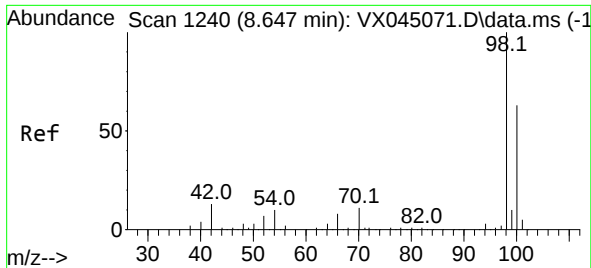
Tgt Ion: 41 Resp: 1404
Ion Ratio Lower Upper
41 100
69 0.0 63.0 94.6#
39 60.9 47.5 71.3



#49
1,4-Dioxane
Concen: 22.360 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.043 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

Tgt Ion: 88 Resp: 586
Ion Ratio Lower Upper
88 100
43 0.0 28.7 43.1#
58 0.0 55.8 83.8#

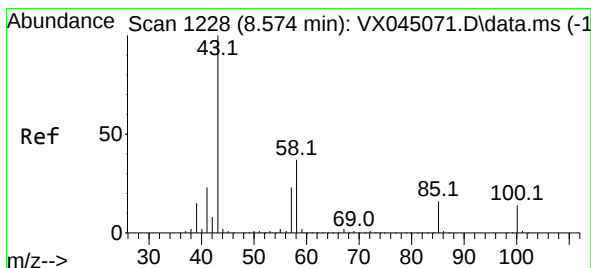
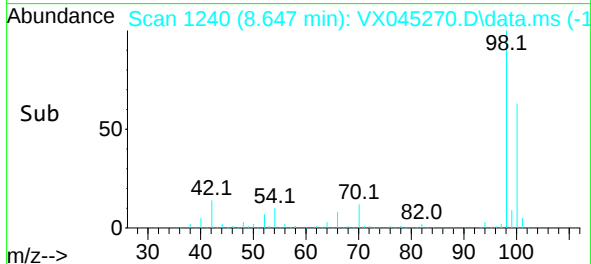
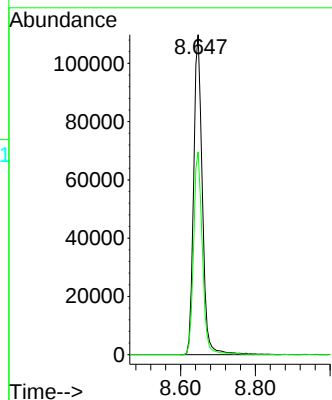
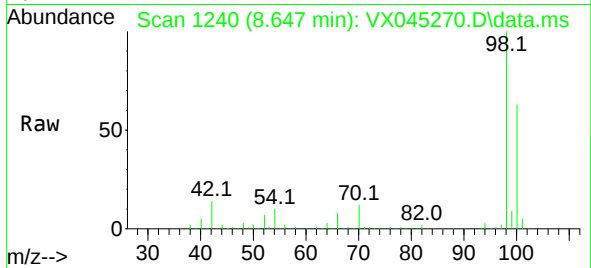




#50
Toluene-d8
Concen: 51.663 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

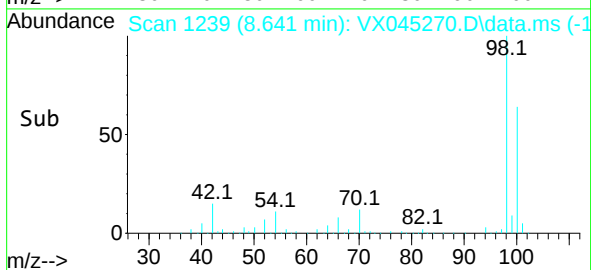
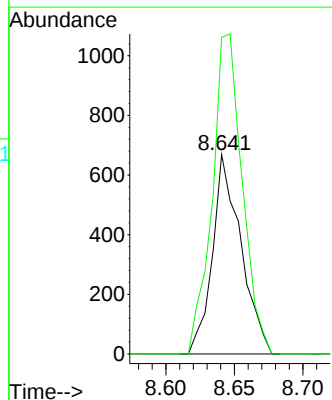
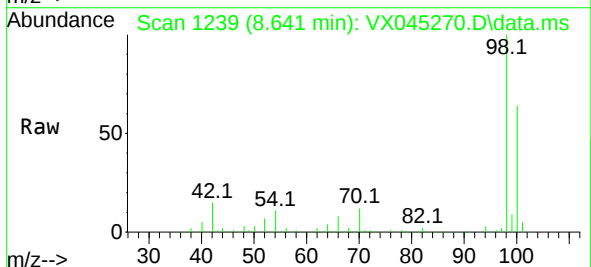
Instrument :
MSVOA_X
ClientSampleId :

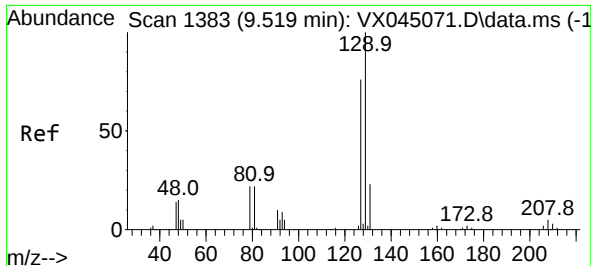
Tgt Ion: 98 Resp: 177503
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.580 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

Tgt Ion: 43 Resp: 965
Ion Ratio Lower Upper
43 100
58 169.8 29.2 43.8#

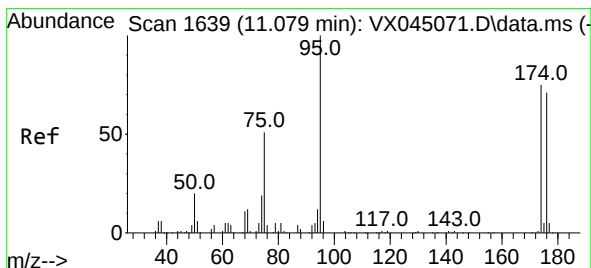
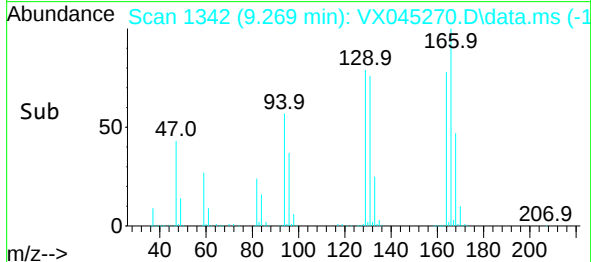
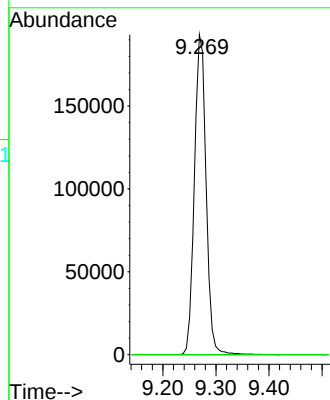
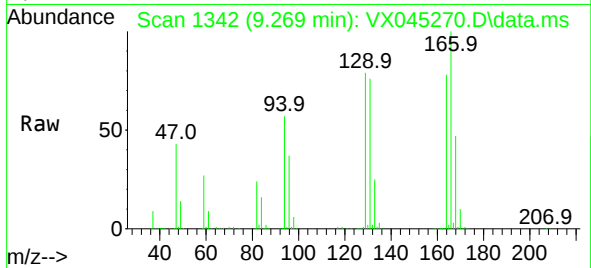




#60
Dibromochloromethane
Concen: 284.997 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

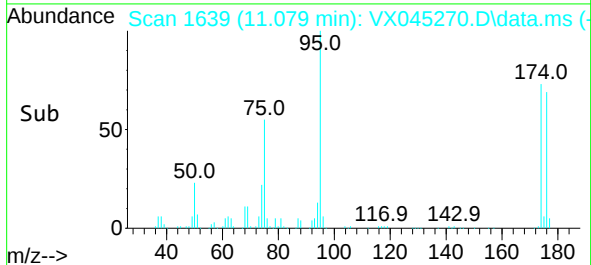
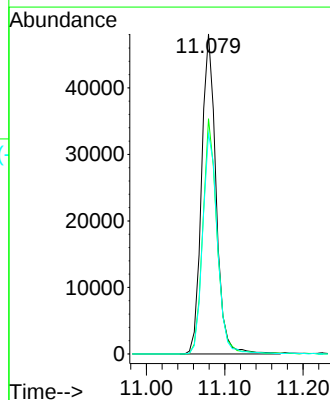
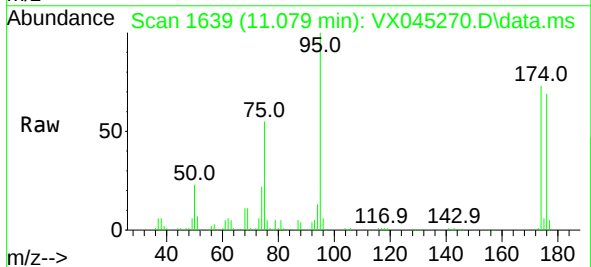
Instrument :
MSVOA_X
ClientSampleId :

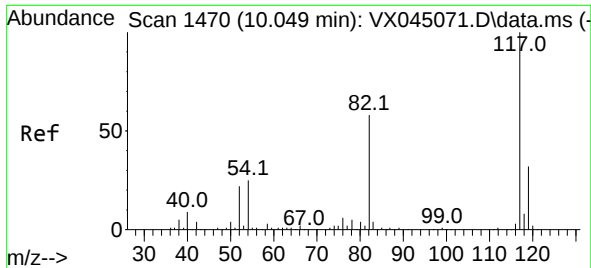
Tgt Ion:129 Resp: 295397
Ion Ratio Lower Upper
129 100
127 0.1 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 54.197 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

Tgt Ion: 95 Resp: 61704
Ion Ratio Lower Upper
95 100
174 71.8 0.0 148.2
176 70.1 0.0 141.4

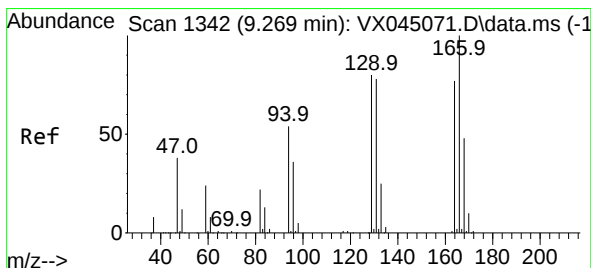
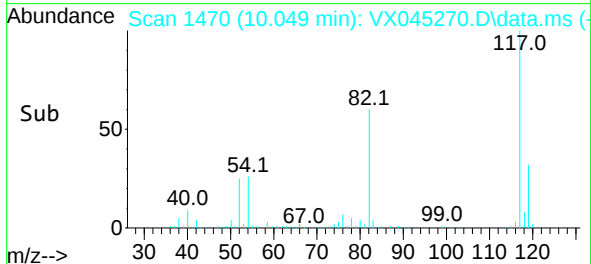
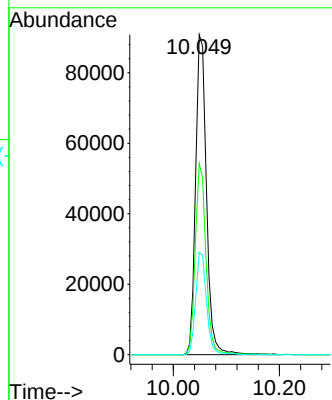
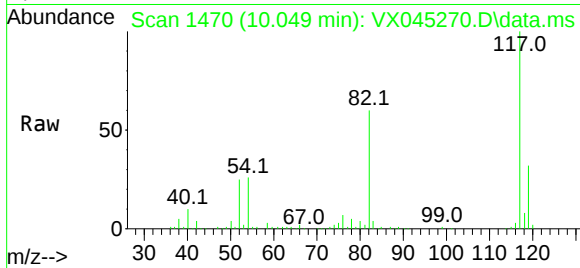




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

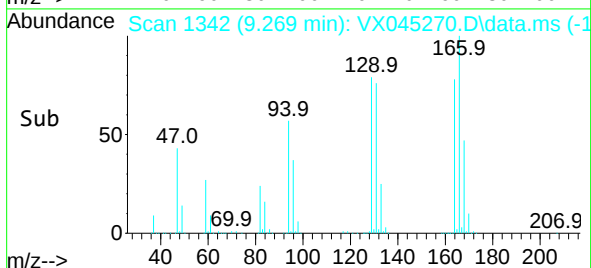
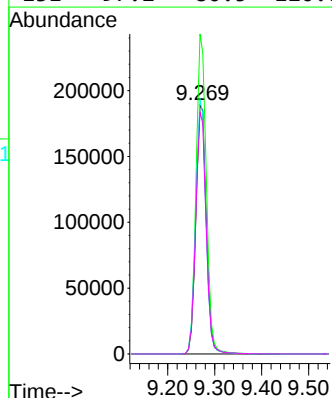
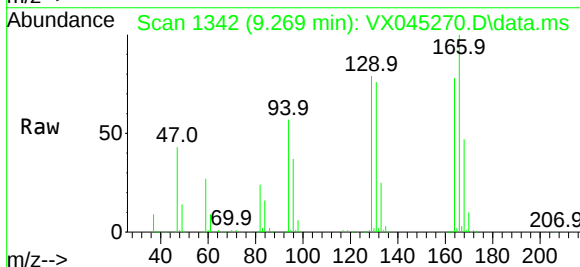
Instrument :
MSVOA_X
ClientSampleId :

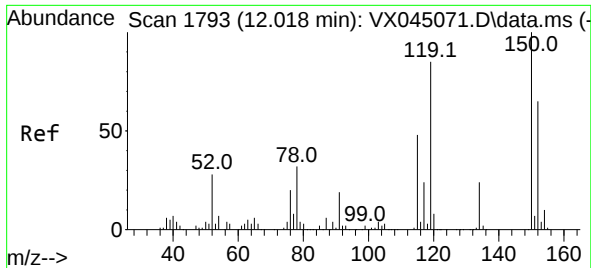
Tgt Ion:117 Resp: 129088
Ion Ratio Lower Upper
117 100
82 59.8 46.3 69.5
119 32.0 25.7 38.5



#64
Tetrachloroethene
Concen: 354.736 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

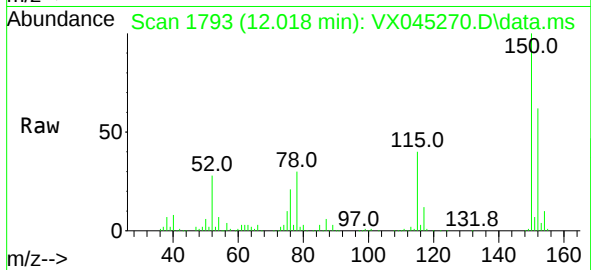
Tgt Ion:164 Resp: 293280
Ion Ratio Lower Upper
164 100
166 128.7 103.6 155.4
129 102.2 82.7 124.1
131 97.2 80.5 120.7



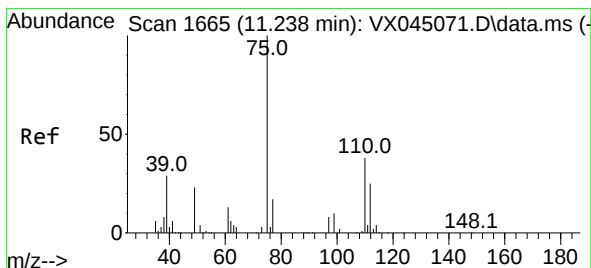
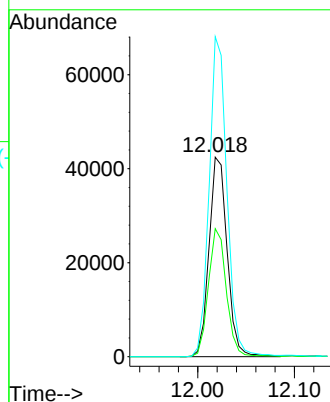
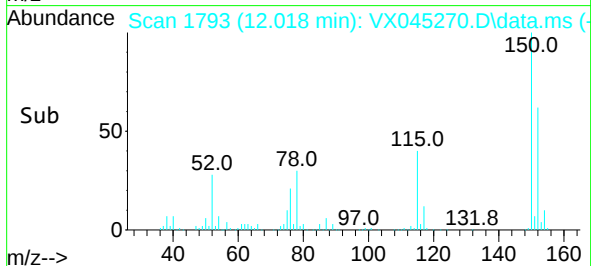


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX045270.D
 Acq: 13 Mar 2025 15:33

Instrument :
 MSVOA_X
 ClientSampleId :

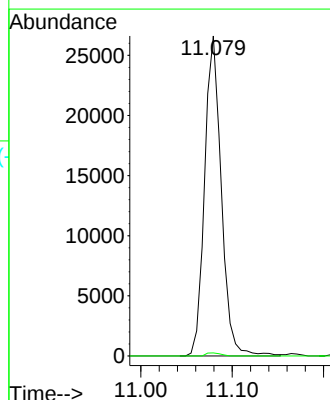
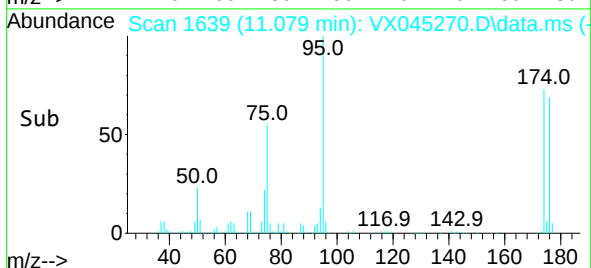
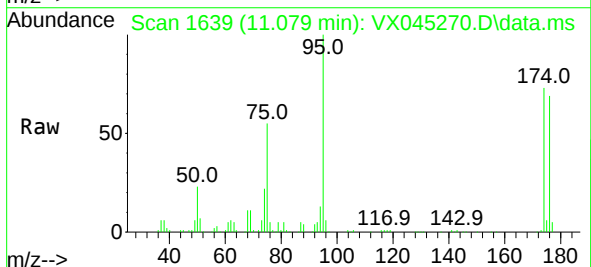


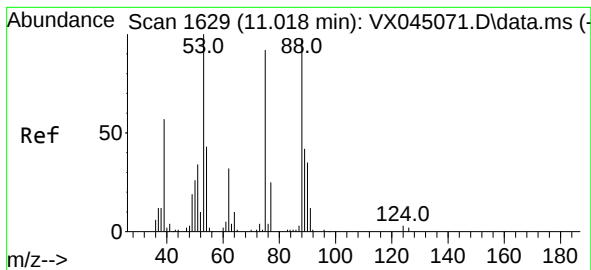
Tgt Ion:152 Resp: 55430
 Ion Ratio Lower Upper
 152 100
 115 63.5 44.2 132.6
 150 157.0 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.134 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045270.D
 Acq: 13 Mar 2025 15:33

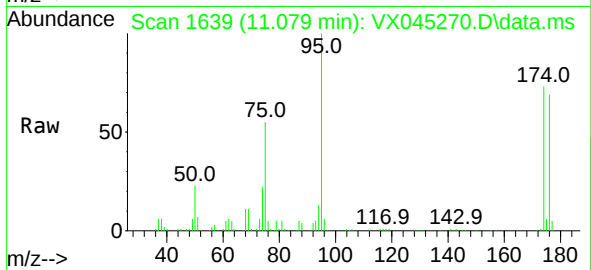
Tgt Ion: 75 Resp: 33717
 Ion Ratio Lower Upper
 75 100
 77 0.8 20.7 62.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.437 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045270.D
 Acq: 13 Mar 2025 15:33

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 33717
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.0 36.2 54.4#

