

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
 Data File : VX045243.D
 Acq On : 12 Mar 2025 13:01
 Operator : JC/MD
 Sample : Q1531-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP01-20250306

Quant Time: Mar 13 01:40:13 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)

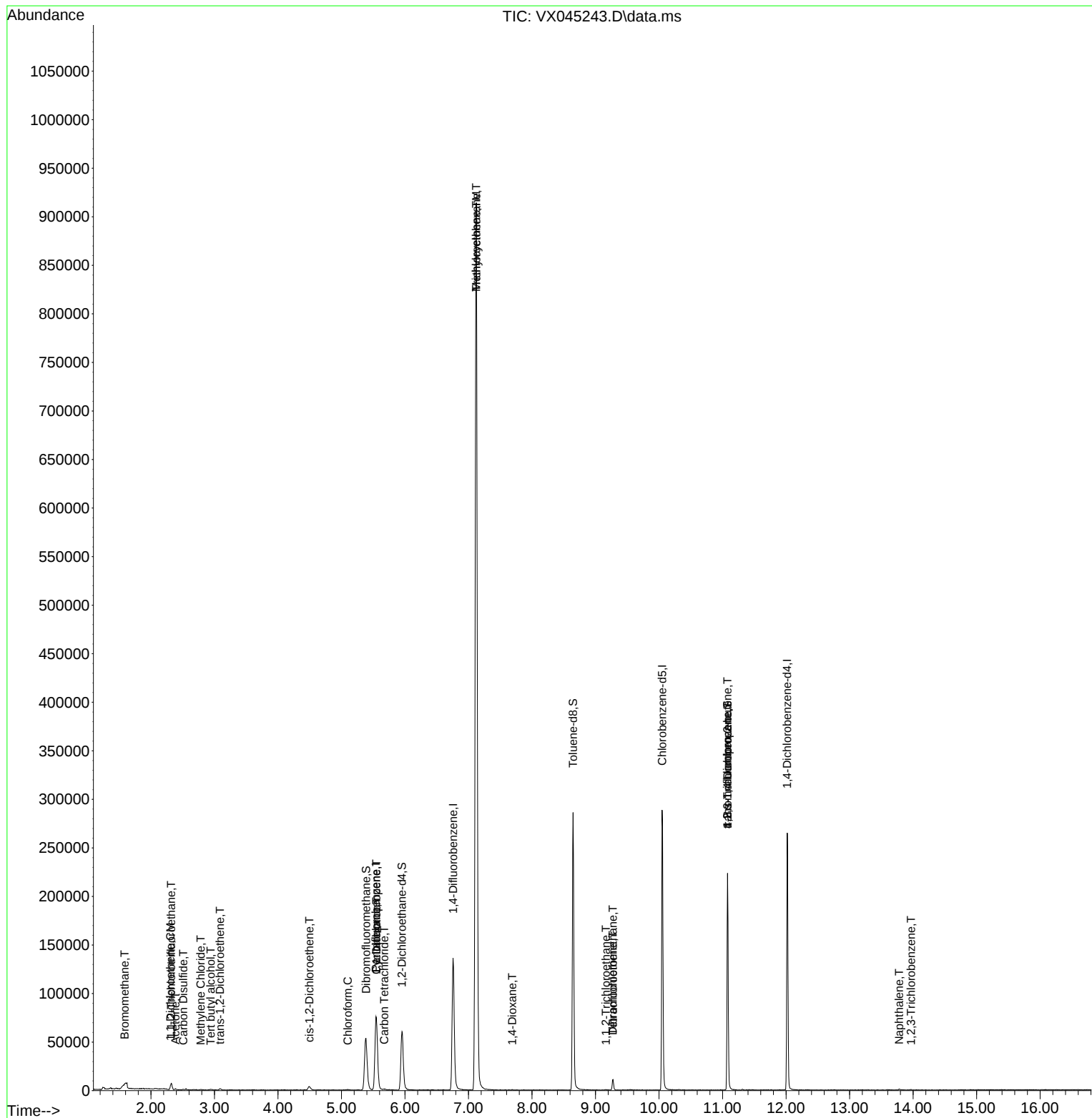
Internal Standards						
1) Pentafluorobenzene	5.543	168	68183	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	135625	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	124508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58347	53.798	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 107.600%		
35) Dibromofluoromethane	5.385	113	47002	51.828	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 103.660%		
50) Toluene-d8	8.647	98	167501	50.946	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 101.900%		
62) 4-Bromofluorobenzene	11.079	95	57978	53.216	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 106.440%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.587	94	255	0.623	ug/l #	3
9) 1,1,2-Trichlorotrifluo...	2.318	101	2280	2.877	ug/l	98
11) Tert butyl alcohol	2.940	59	323	1.572	ug/l #	73
12) 1,1-Dichloroethene	2.306	96	589	0.703	ug/l #	66
16) Acetone	2.386	43	878	1.745	ug/l	97
17) Carbon Disulfide	2.507	76	797	0.357	ug/l #	77
20) Methylene Chloride	2.782	84	229	0.230	ug/l #	76
21) trans-1,2-Dichloroethene	3.087	96	544	0.657	ug/l #	66
27) cis-1,2-Dichloroethene	4.495	96	2228	2.181	ug/l	96
30) Chloroform	5.098	83	624	0.369	ug/l #	71
31) Cyclohexane	5.550	56	1976	1.339	ug/l #	38
36) 1,1-Dichloropropene	5.550	75	6374	5.125	ug/l #	51
38) Carbon Tetrachloride	5.672	117	412	0.326	ug/l #	80
39) Methylcyclohexane	7.122	83	4769	3.200	ug/l #	1
44) Trichloroethene	7.122	130	340297	369.016	ug/l	100
49) 1,4-Dioxane	7.689	88	255	10.168	ug/l #	71
55) 1,1,2-Trichloroethane	9.165	97	280	0.295	ug/l #	47
60) Dibromochloromethane	9.275	129	1974	1.990	ug/l #	11
64) Tetrachloroethene	9.275	164	1934	2.425	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	31802	26.590	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	31802	90.996	ug/l #	6
95) Naphthalene	13.780	128	1263	0.341	ug/l #	73
96) 1,2,3-Trichlorobenzene	13.969	180	224	0.220	ug/l #	74

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

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Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250306

Quant Time: Mar 13 01:40:13 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

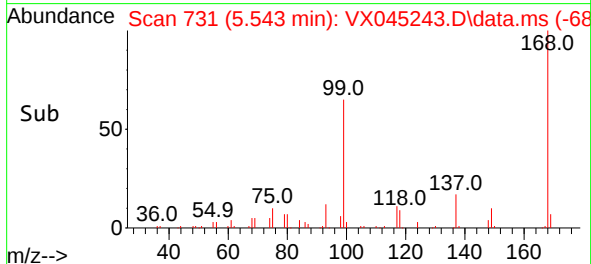
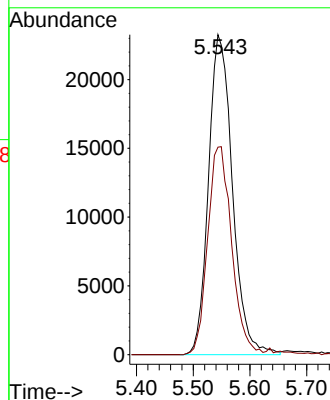
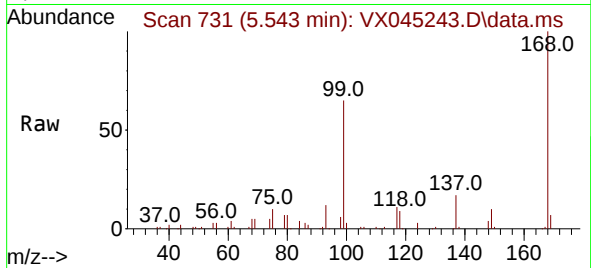




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX045243.D
Acq: 12 Mar 2025 13:01

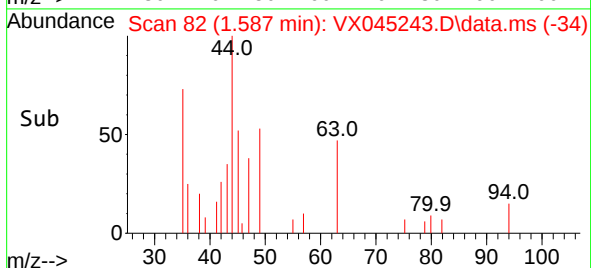
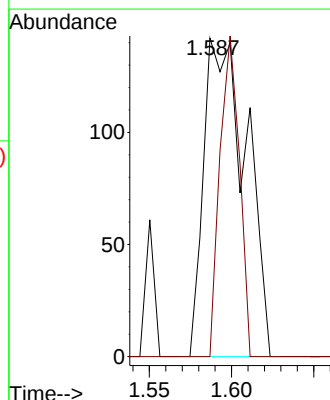
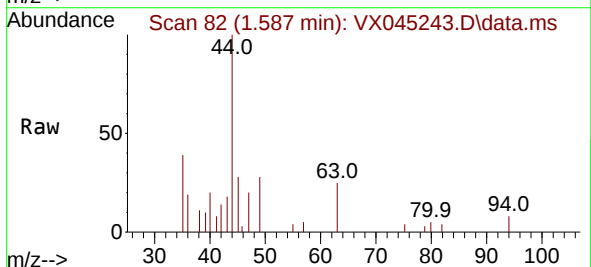
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250306

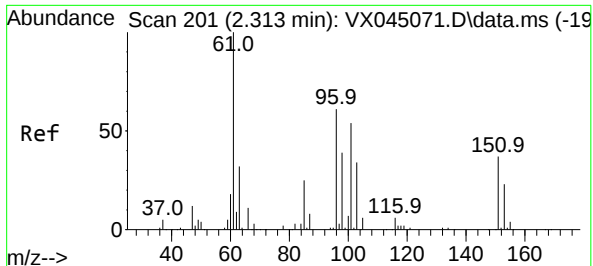
Tgt Ion:168 Resp: 68183
Ion Ratio Lower Upper
168 100
99 64.9 48.2 72.4



#5
Bromomethane
Concen: 0.623 ug/l
RT: 1.587 min Scan# 82
Delta R.T. -0.006 min
Lab File: VX045243.D
Acq: 12 Mar 2025 13:01

Tgt Ion: 94 Resp: 255
Ion Ratio Lower Upper
94 100
96 0.0 75.0 112.4#

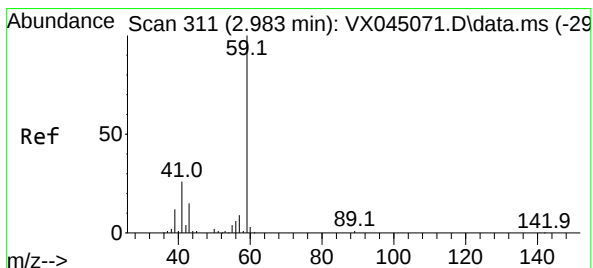
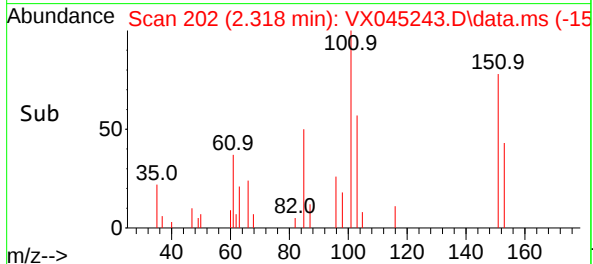
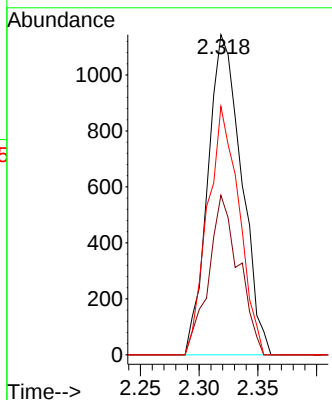
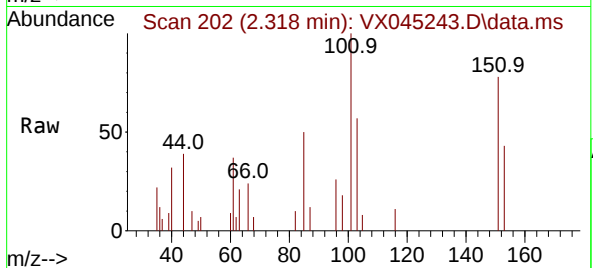




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.877 ug/l
RT: 2.318 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045243.D
Acq: 12 Mar 2025 13:01

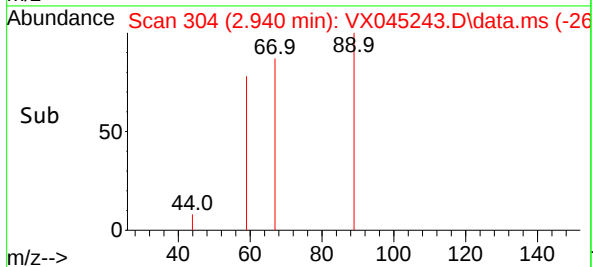
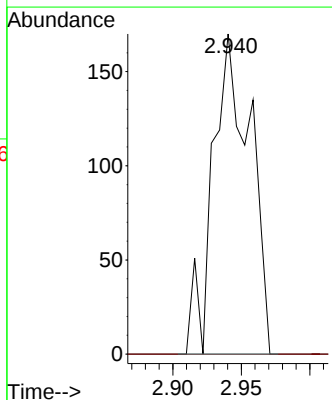
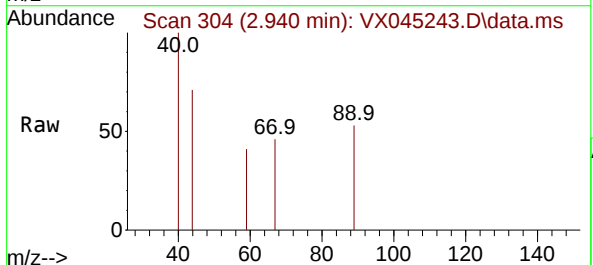
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250306

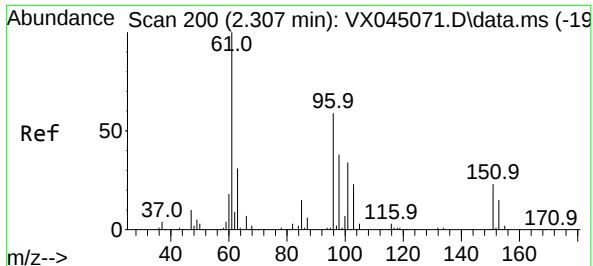
Tgt Ion:101 Resp: 2280
Ion Ratio Lower Upper
101 100
85 44.7 36.2 54.4
151 72.4 56.4 84.6



#11
Tert butyl alcohol
Concen: 1.572 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX045243.D
Acq: 12 Mar 2025 13:01

Tgt Ion: 59 Resp: 323
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

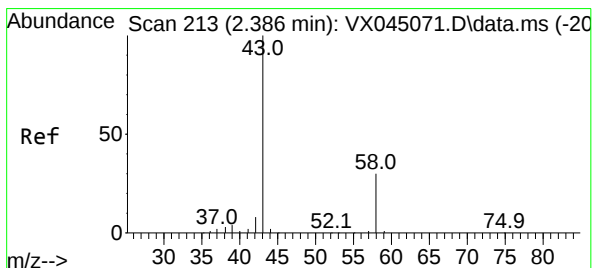
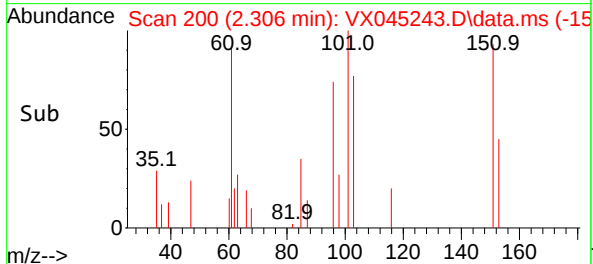
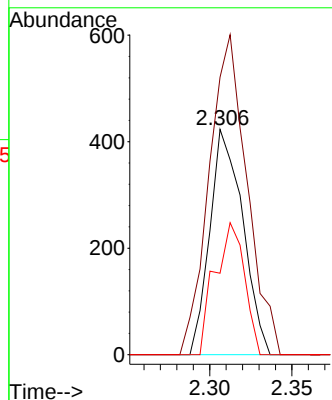
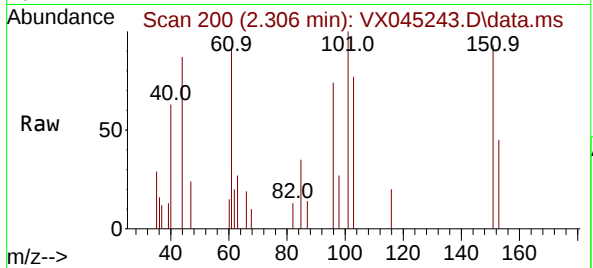




#12
1,1-Dichloroethene
Concen: 0.703 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045243.D
Acq: 12 Mar 2025 13:01

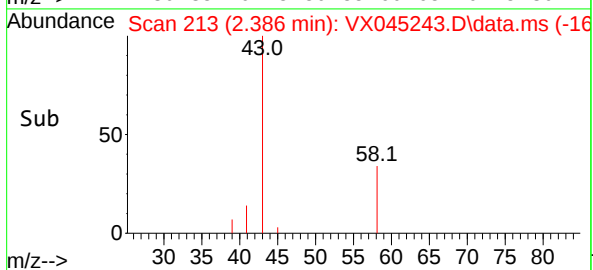
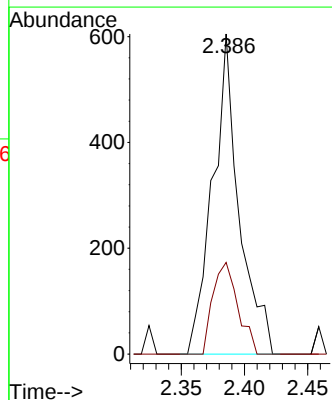
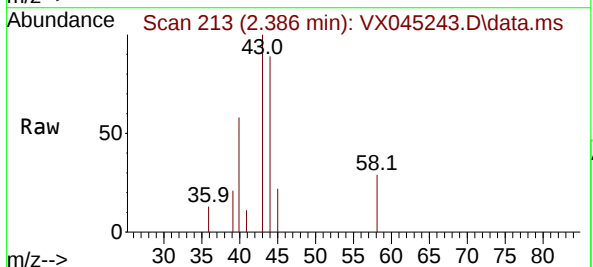
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250306

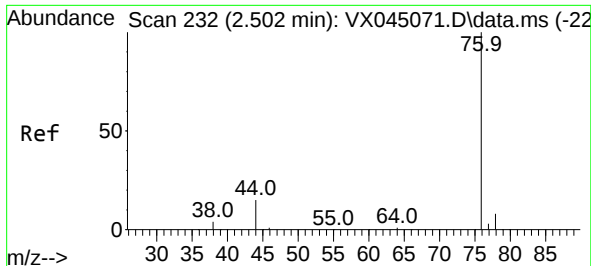
Tgt Ion: 96 Resp: 589
Ion Ratio Lower Upper
96 100
61 123.2 134.6 202.0#
98 36.2 51.0 76.6#



#16
Acetone
Concen: 1.745 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045243.D
Acq: 12 Mar 2025 13:01

Tgt Ion: 43 Resp: 878
Ion Ratio Lower Upper
43 100
58 28.6 24.2 36.4

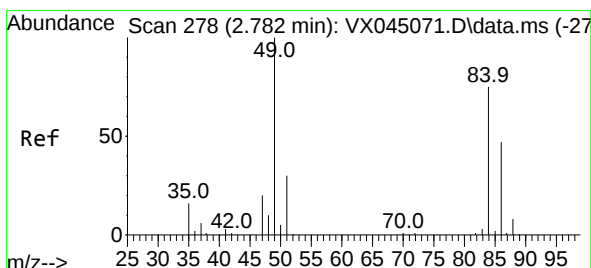
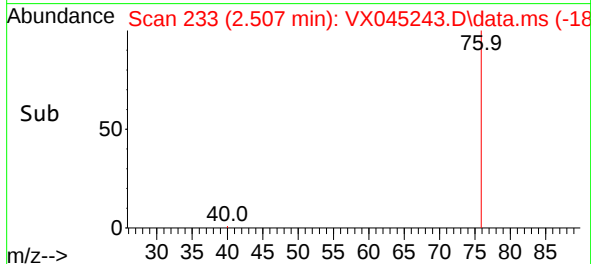
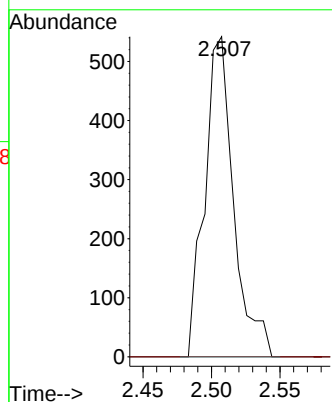
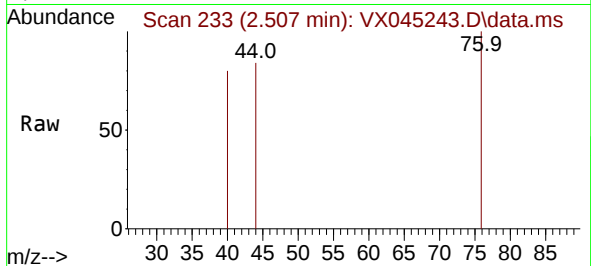




#17
Carbon Disulfide
Concen: 0.357 ug/l
RT: 2.507 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045243.D
Acq: 12 Mar 2025 13:01

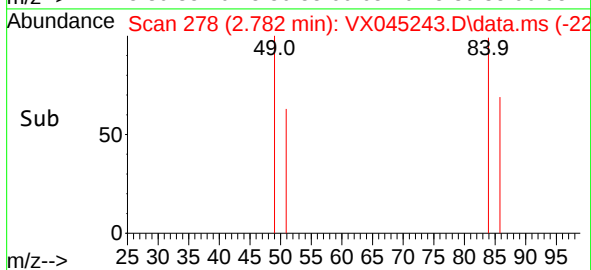
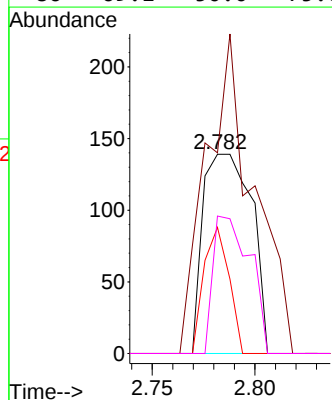
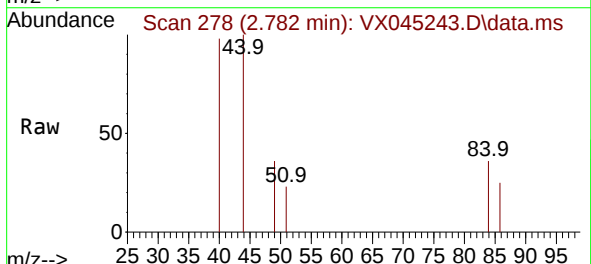
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250306

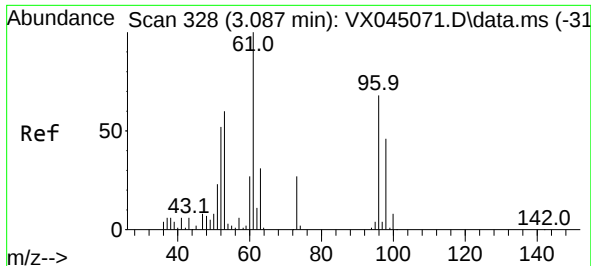
Tgt Ion: 76 Resp: 797
Ion Ratio Lower Upper
76 100
78 0.0 6.6 9.8#



#20
Methylene Chloride
Concen: 0.230 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045243.D
Acq: 12 Mar 2025 13:01

Tgt Ion: 84 Resp: 229
Ion Ratio Lower Upper
84 100
49 100.7 106.5 159.7#
51 63.3 32.1 48.1#
86 69.1 50.0 75.0

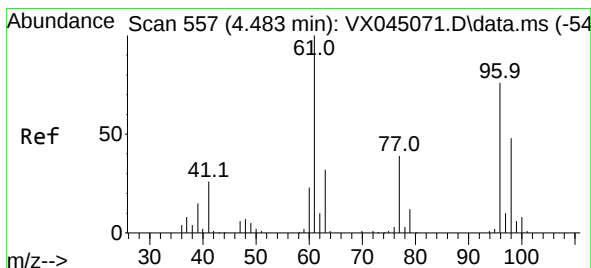
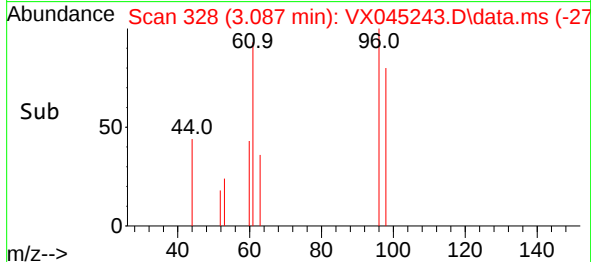
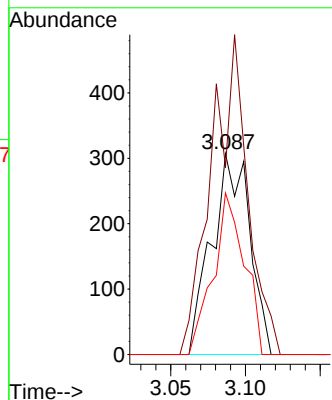
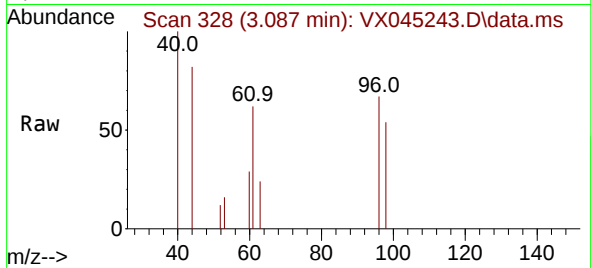




#21
trans-1,2-Dichloroethene
Concen: 0.657 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX045243.D
Acq: 12 Mar 2025 13:01

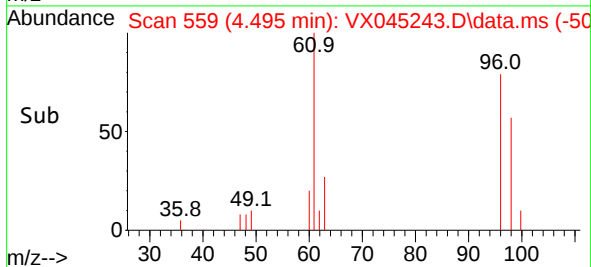
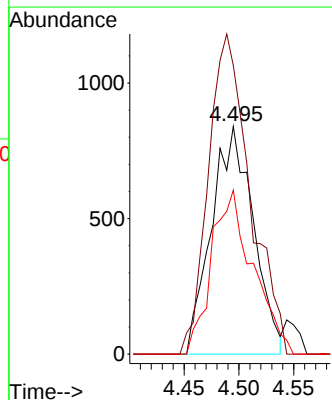
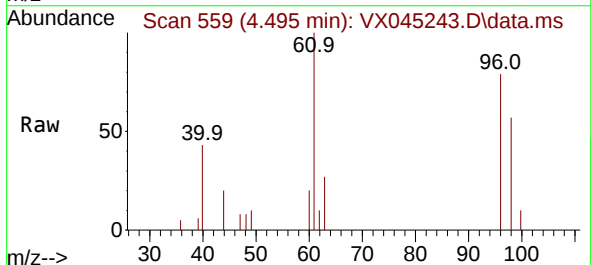
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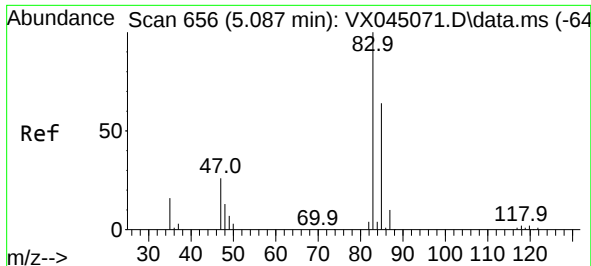
Tgt Ion: 96 Resp: 544
Ion Ratio Lower Upper
96 100
61 93.2 117.0 175.4#
98 80.5 53.4 80.2#



#27
cis-1,2-Dichloroethene
Concen: 2.181 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.012 min
Lab File: VX045243.D
Acq: 12 Mar 2025 13:01

Tgt Ion: 96 Resp: 2228
Ion Ratio Lower Upper
96 100
61 140.2 0.0 283.2
98 71.1 0.0 128.0

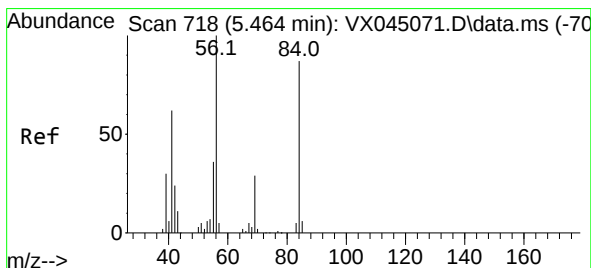
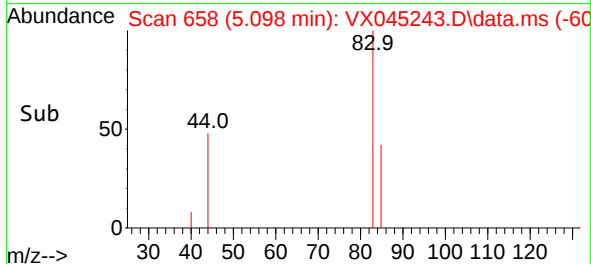
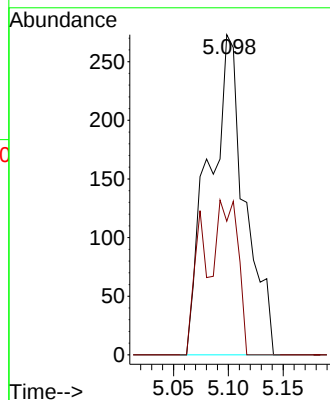
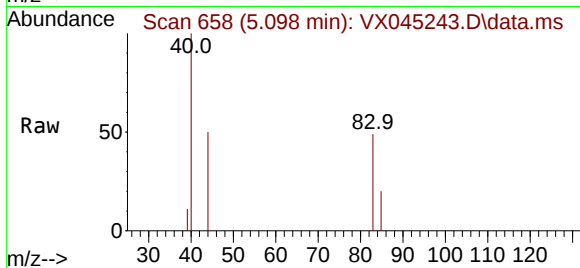




#30
Chloroform
Concen: 0.369 ug/l
RT: 5.098 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX045243.D
Acq: 12 Mar 2025 13:01

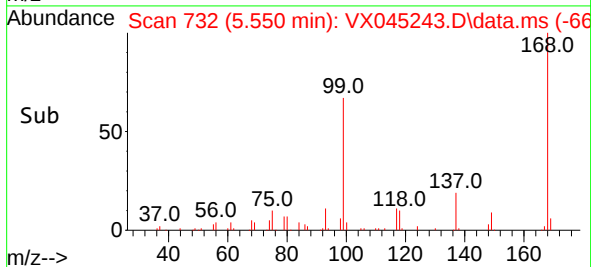
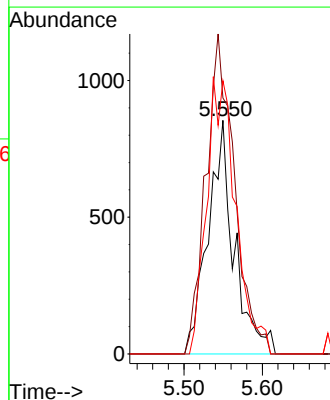
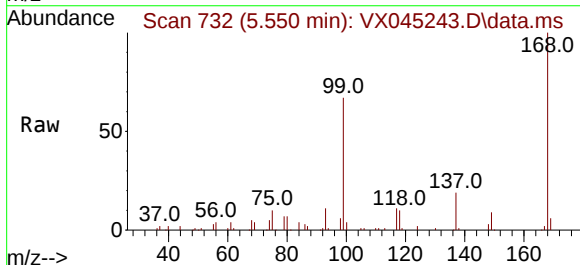
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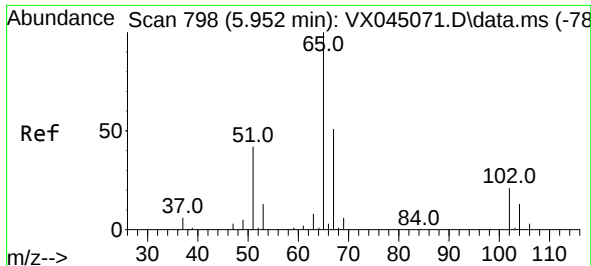
Tgt Ion: 83 Resp: 624
Ion Ratio Lower Upper
83 100
85 41.8 51.4 77.2#



#31
Cyclohexane
Concen: 1.339 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX045243.D
Acq: 12 Mar 2025 13:01

Tgt Ion: 56 Resp: 1976
Ion Ratio Lower Upper
56 100
69 109.6 23.4 35.2#
84 117.0 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 53.798 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045243.D

Acq: 12 Mar 2025 13:01

Instrument :

MSVOA_X

ClientSampleId :

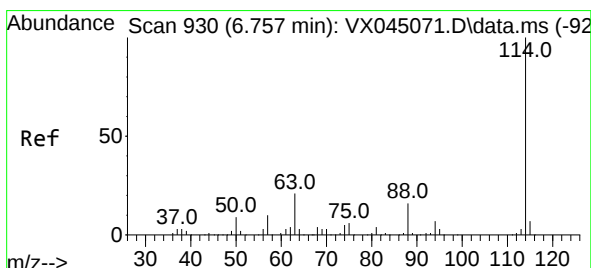
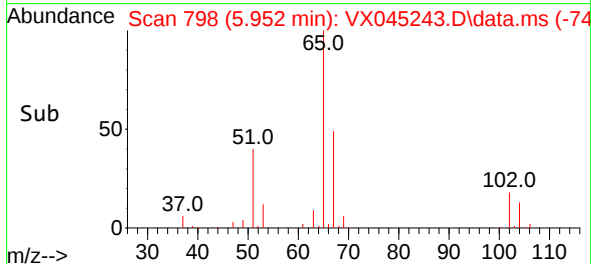
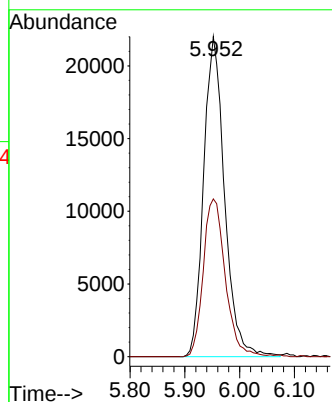
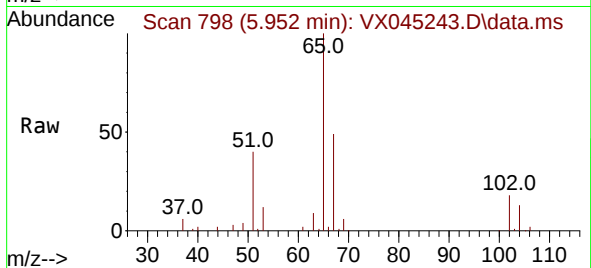
DUP01-20250306

Tgt Ion: 65 Resp: 58347

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: VX045243.D

Acq: 12 Mar 2025 13:01

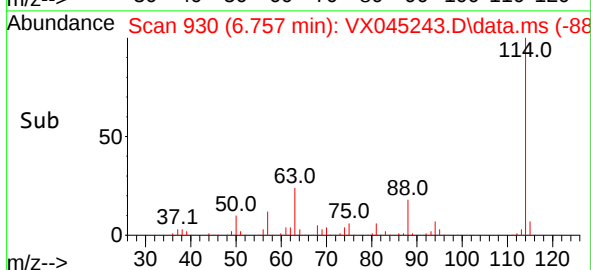
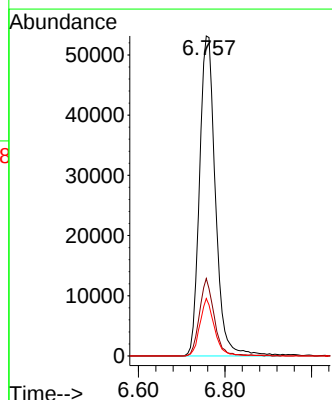
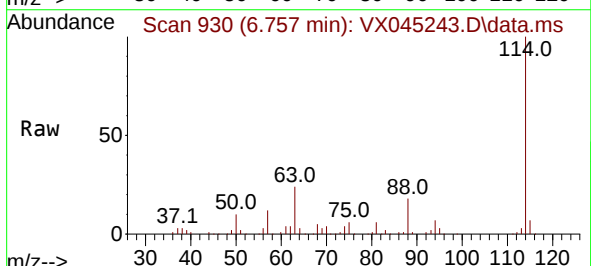
Tgt Ion: 114 Resp: 135625

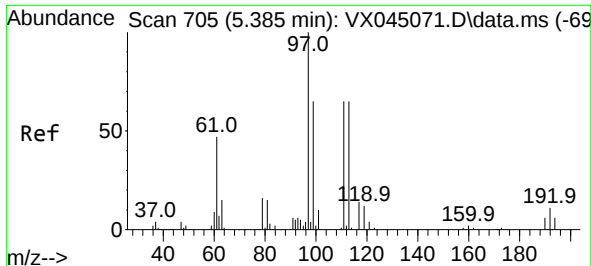
Ion Ratio Lower Upper

114 100

63 24.2 0.0 41.8

88 17.9 0.0 32.8

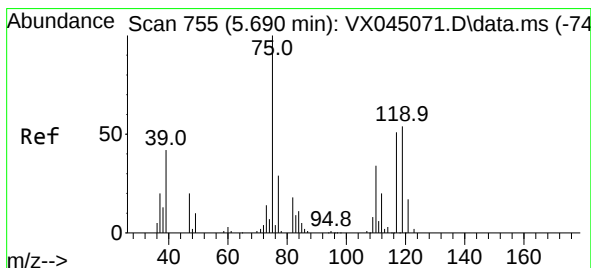
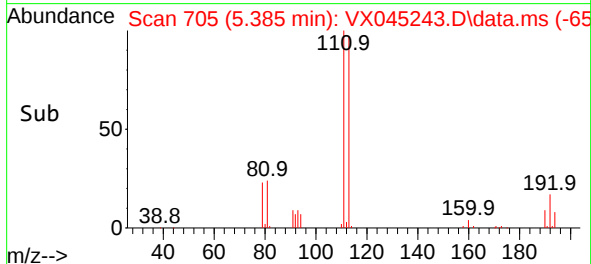
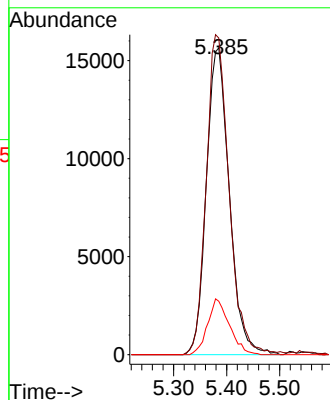
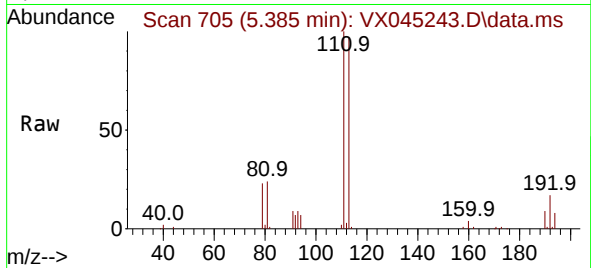




#35
Dibromofluoromethane
Concen: 51.828 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045243.D
Acq: 12 Mar 2025 13:01

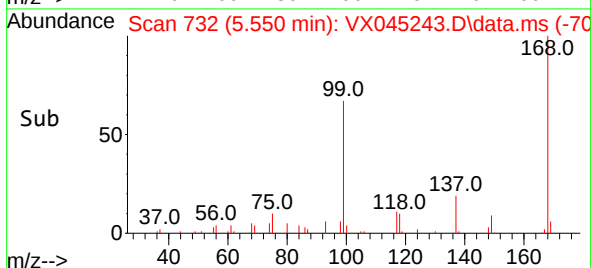
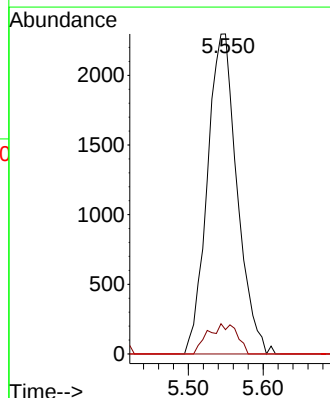
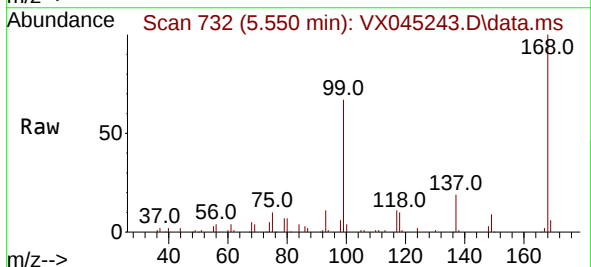
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250306

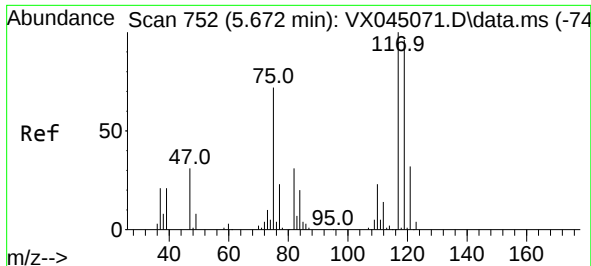
Tgt Ion:113 Resp: 47002
Ion Ratio Lower Upper
113 100
111 103.9 81.8 122.6
192 17.3 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.125 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX045243.D
Acq: 12 Mar 2025 13:01

Tgt Ion: 75 Resp: 6374
Ion Ratio Lower Upper
75 100
110 9.2 16.9 50.6#
77 0.0 24.5 36.7#

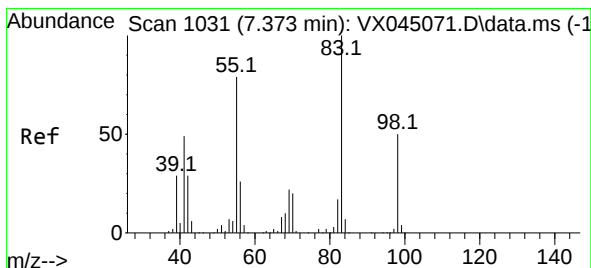
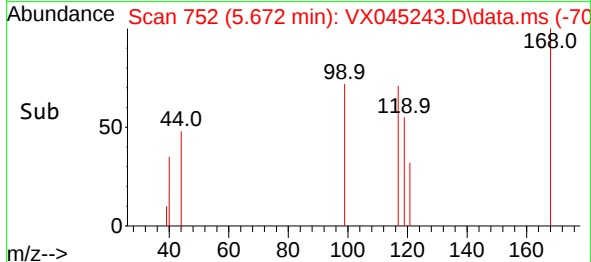
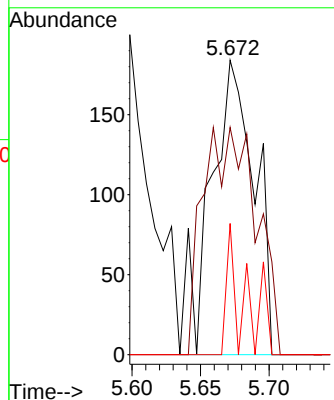
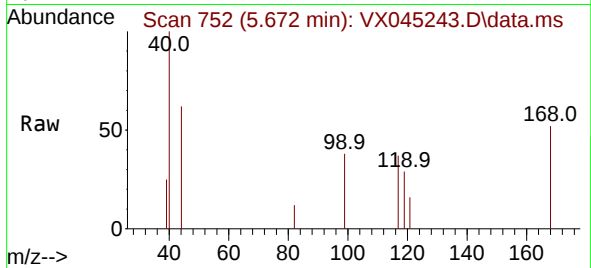




#38
Carbon Tetrachloride
Concen: 0.326 ug/l
RT: 5.672 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045243.D
Acq: 12 Mar 2025 13:01

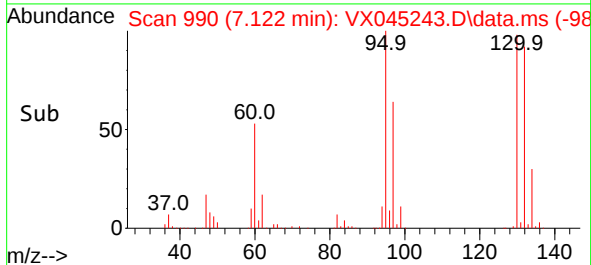
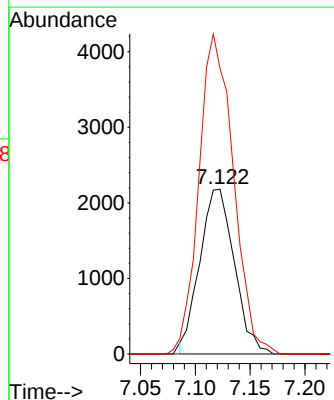
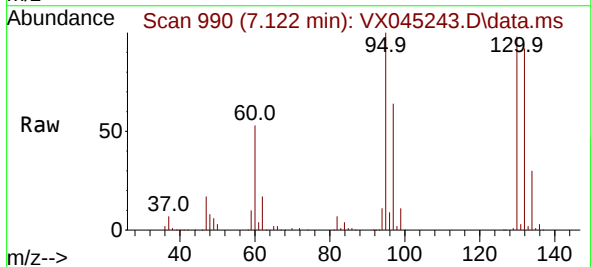
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250306

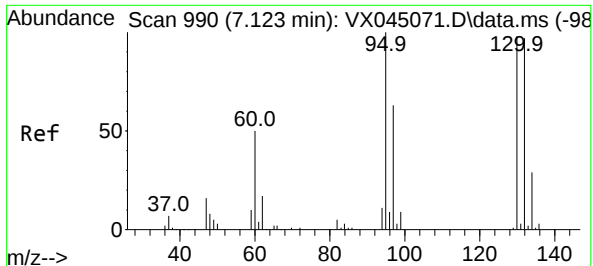
Tgt Ion:117 Resp: 412
Ion Ratio Lower Upper
117 100
119 77.2 76.7 115.1
121 44.6 25.5 38.3#



#39
Methylcyclohexane
Concen: 3.200 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX045243.D
Acq: 12 Mar 2025 13:01

Tgt Ion: 83 Resp: 4769
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 173.1 39.7 59.5#

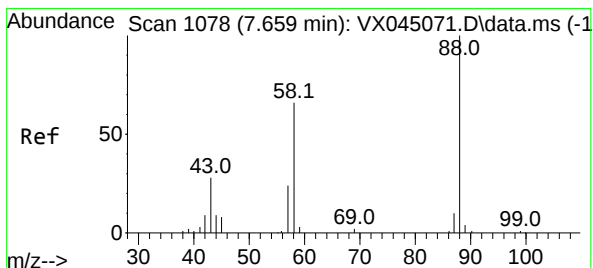
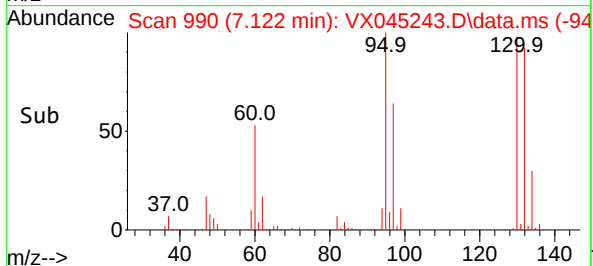
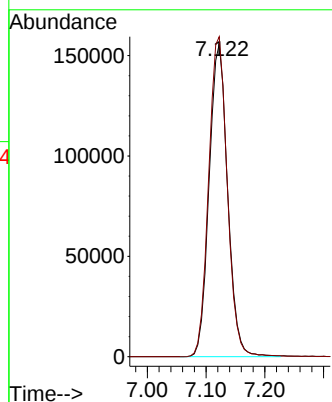
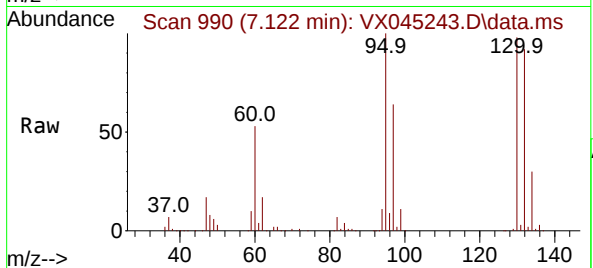




#44
Trichloroethene
Concen: 369.016 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045243.D
Acq: 12 Mar 2025 13:01

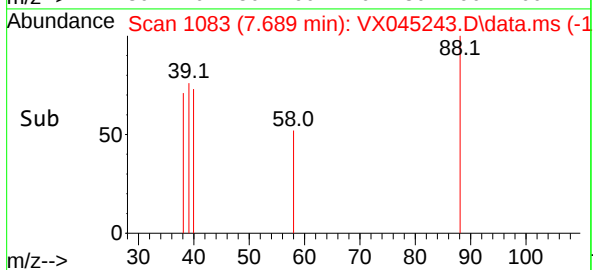
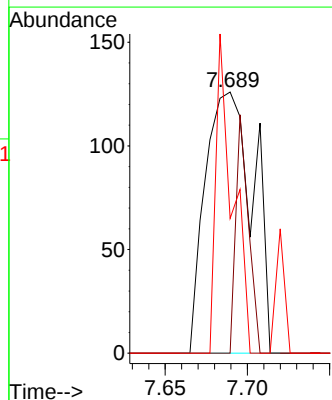
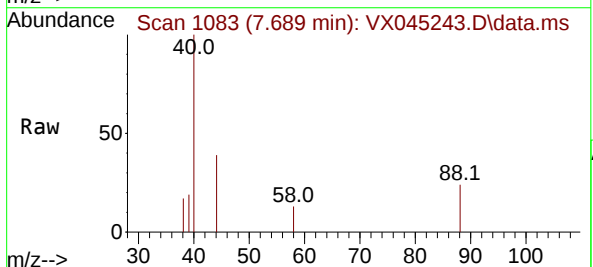
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250306

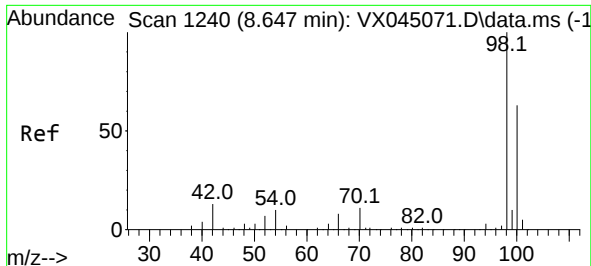
Tgt Ion:130 Resp: 340297
Ion Ratio Lower Upper
130 100
95 102.3 0.0 205.0



#49
1,4-Dioxane
Concen: 10.168 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. 0.030 min
Lab File: VX045243.D
Acq: 12 Mar 2025 13:01

Tgt Ion: 88 Resp: 255
Ion Ratio Lower Upper
88 100
43 23.9 28.7 43.1#
58 42.7 55.8 83.8#

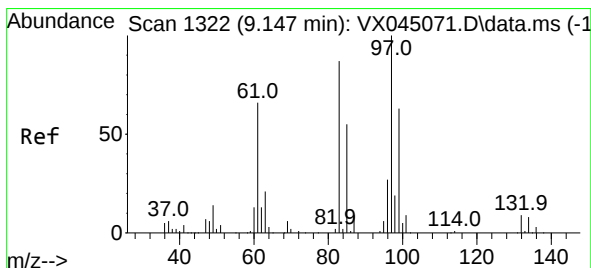
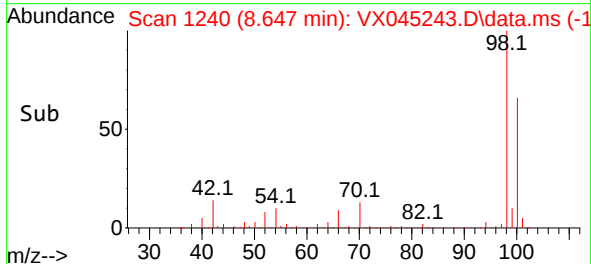
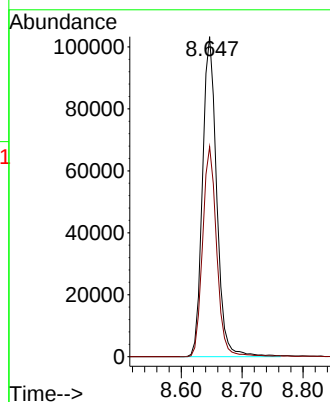
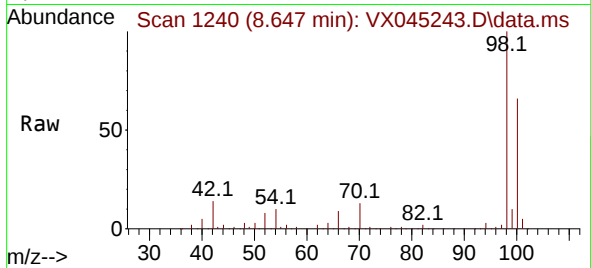




#50
Toluene-d8
Concen: 50.946 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045243.D
Acq: 12 Mar 2025 13:01

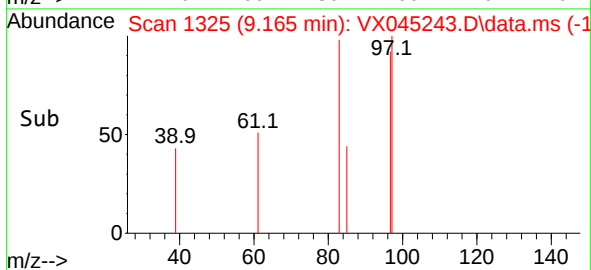
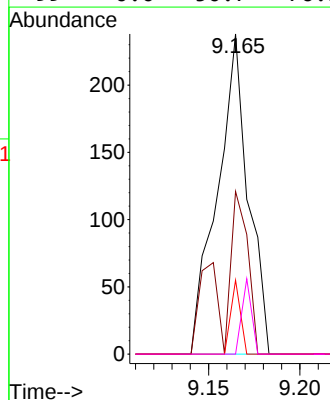
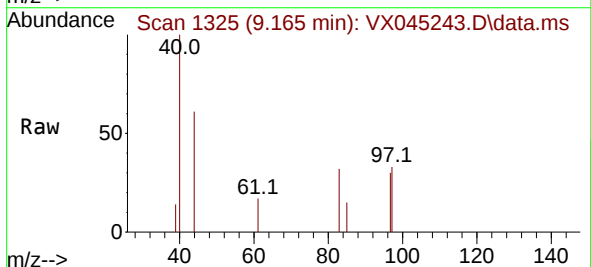
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250306

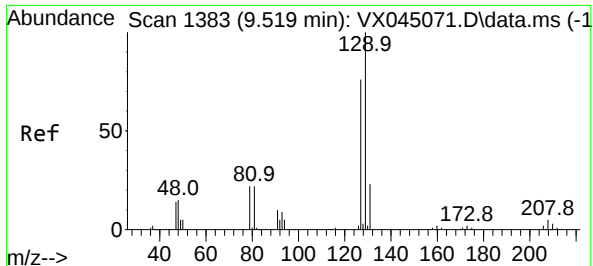
Tgt Ion: 98 Resp: 167501
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



#55
1,1,2-Trichloroethane
Concen: 0.295 ug/l
RT: 9.165 min Scan# 1325
Delta R.T. 0.018 min
Lab File: VX045243.D
Acq: 12 Mar 2025 13:01

Tgt Ion: 97 Resp: 280
Ion Ratio Lower Upper
97 100
83 50.8 69.4 104.2#
85 23.1 44.1 66.1#
99 0.0 50.7 76.1#

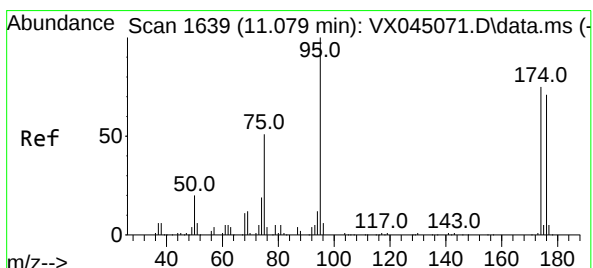
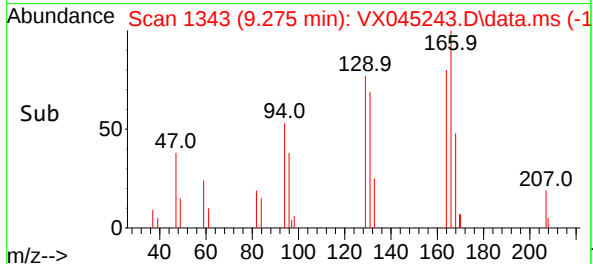
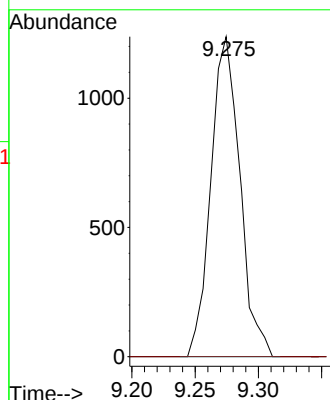
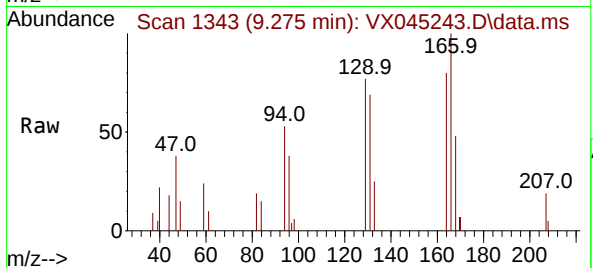




#60
Dibromochloromethane
Concen: 1.990 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX045243.D
Acq: 12 Mar 2025 13:01

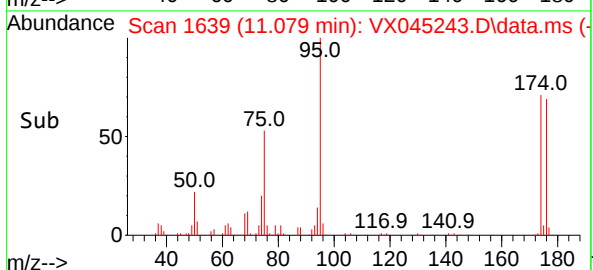
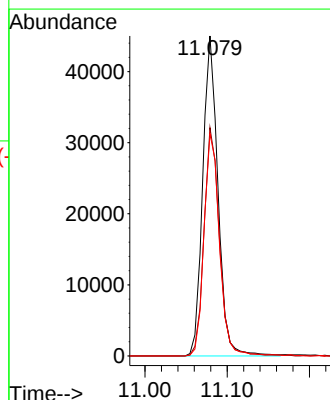
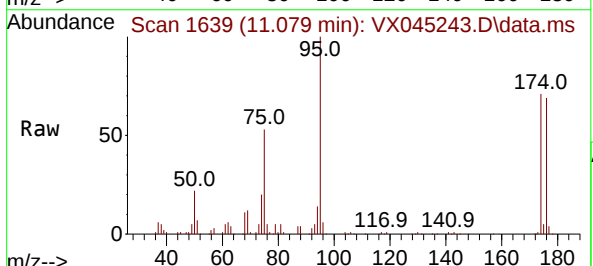
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250306

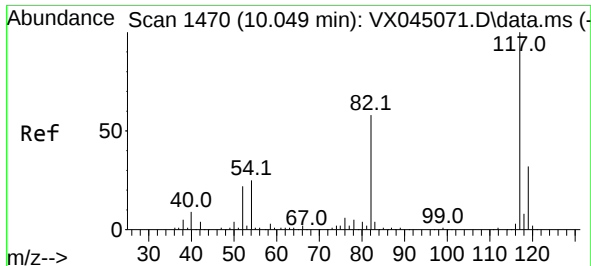
Tgt Ion:129 Resp: 1974
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 53.216 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045243.D
Acq: 12 Mar 2025 13:01

Tgt Ion: 95 Resp: 57978
Ion Ratio Lower Upper
95 100
174 72.0 0.0 148.2
176 70.5 0.0 141.4

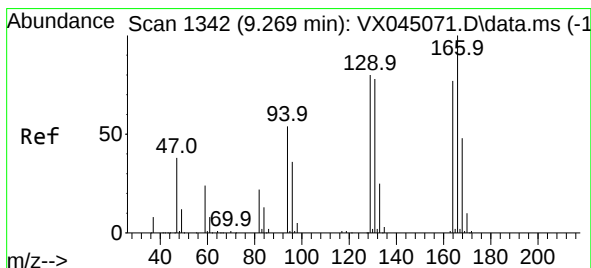
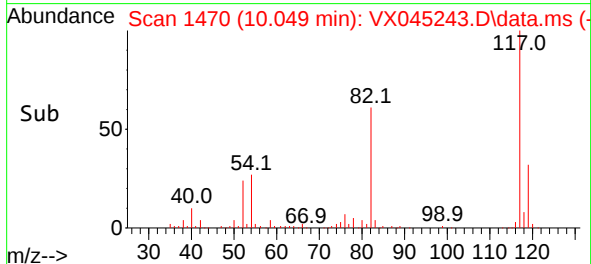
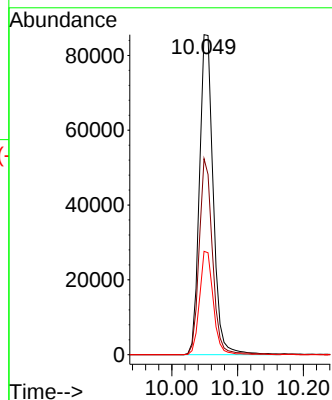
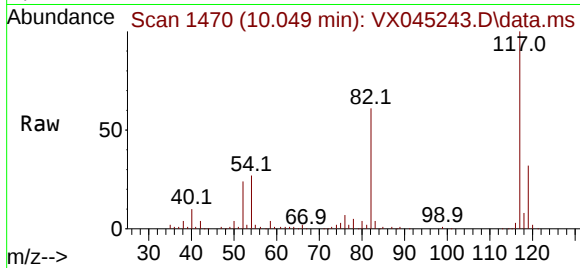




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045243.D
Acq: 12 Mar 2025 13:01

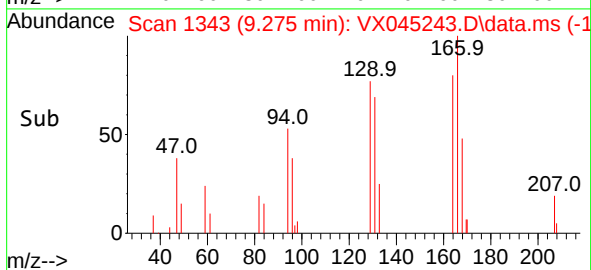
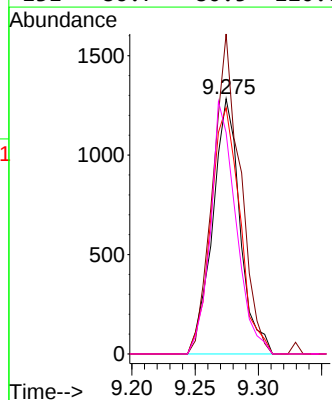
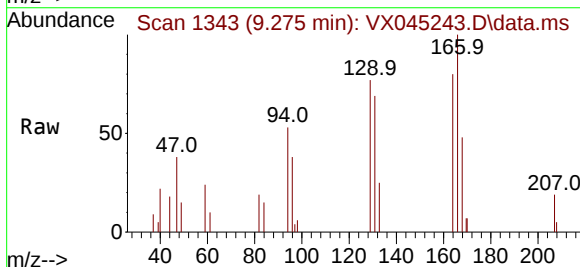
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250306

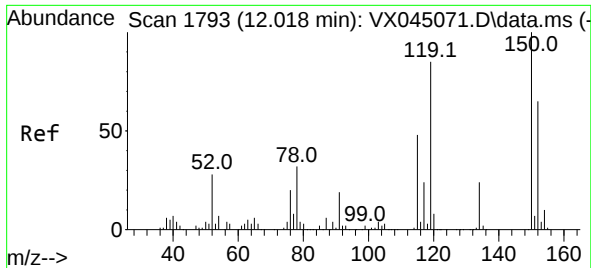
Tgt Ion:117 Resp: 124508
Ion Ratio Lower Upper
117 100
82 61.2 46.3 69.5
119 32.3 25.7 38.5



#64
Tetrachloroethene
Concen: 2.425 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045243.D
Acq: 12 Mar 2025 13:01

Tgt Ion:164 Resp: 1934
Ion Ratio Lower Upper
164 100
166 125.4 103.6 155.4
129 96.5 82.7 124.1
131 86.7 80.5 120.7

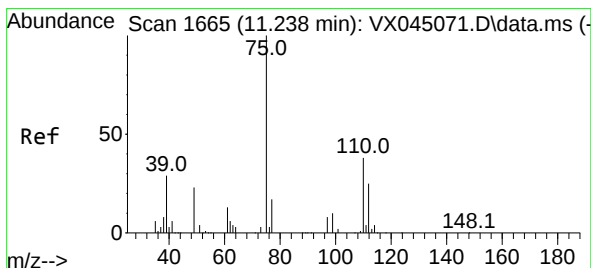
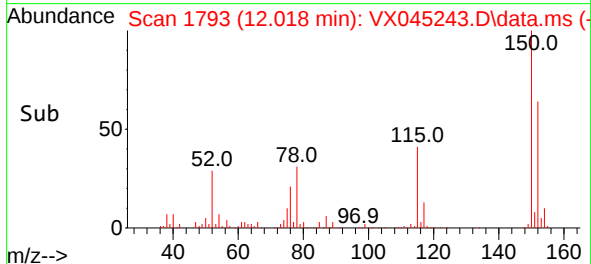
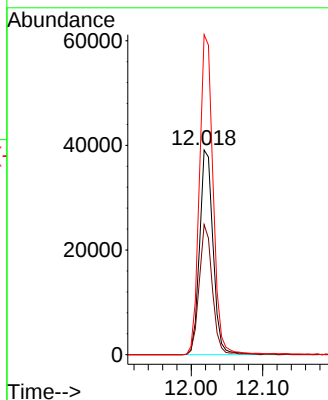
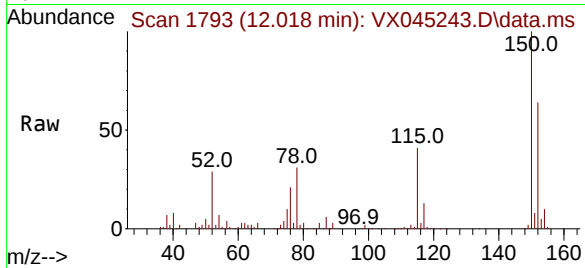




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045243.D
 Acq: 12 Mar 2025 13:01

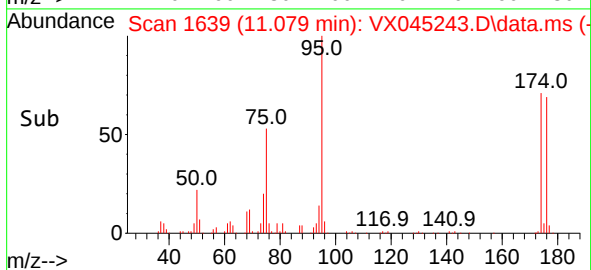
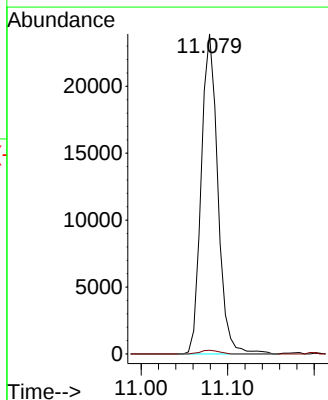
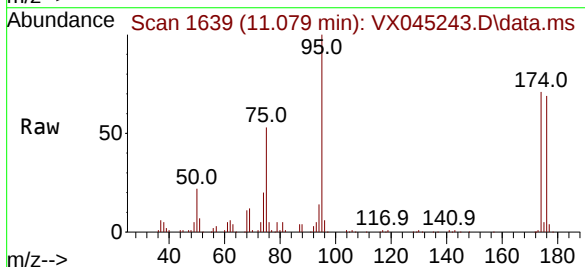
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP01-20250306

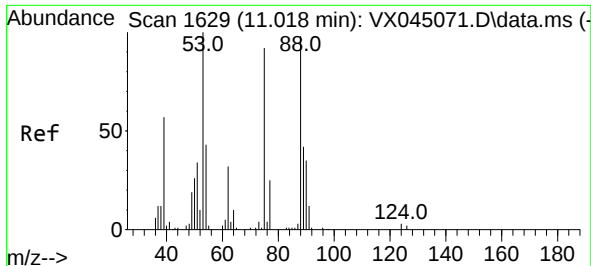
Tgt Ion:152 Resp: 51386
 Ion Ratio Lower Upper
 152 100
 115 61.8 44.2 132.6
 150 158.0 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.590 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045243.D
 Acq: 12 Mar 2025 13:01

Tgt Ion: 75 Resp: 31802
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.7 62.1#

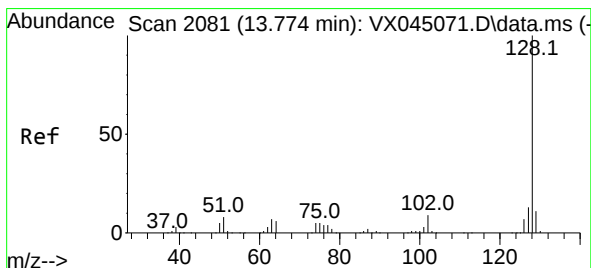
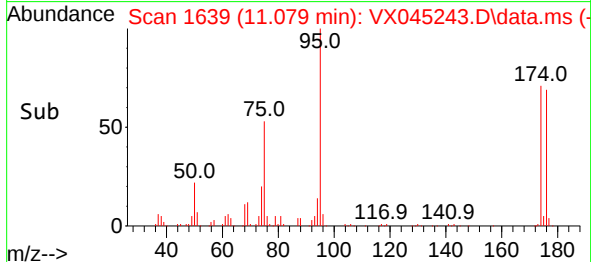
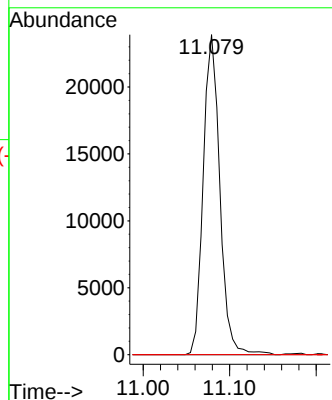
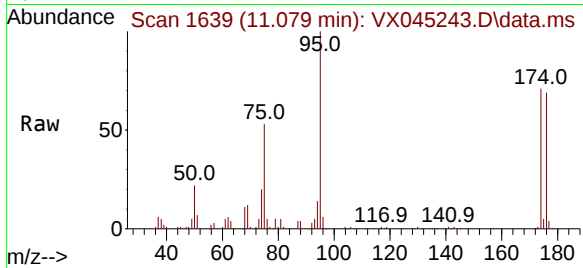




#81
trans-1,4-Dichloro-2-butene
Concen: 90.996 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045243.D
Acq: 12 Mar 2025 13:01

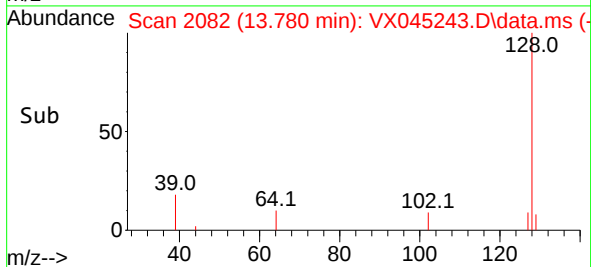
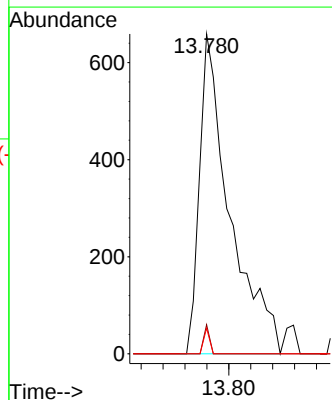
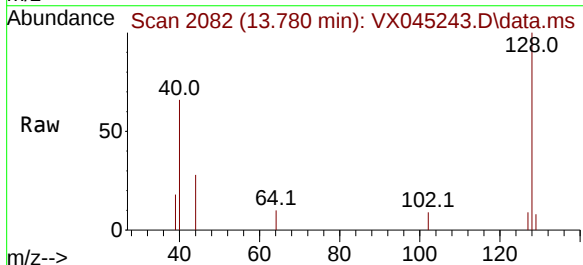
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250306

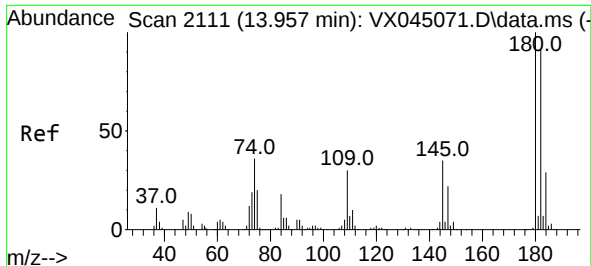
Tgt Ion: 75 Resp: 31802
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#



#95
Naphthalene
Concen: 0.341 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX045243.D
Acq: 12 Mar 2025 13:01

Tgt Ion:128 Resp: 1263
Ion Ratio Lower Upper
128 100
127 1.7 10.3 15.5#
129 1.5 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 0.220 ug/l

RT: 13.969 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX045243.D

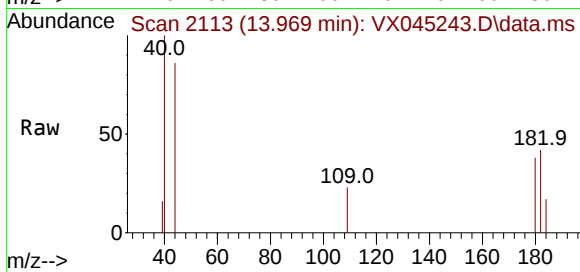
Acq: 12 Mar 2025 13:01

Instrument :

MSVOA_X

ClientSampleId :

DUP01-20250306



Tgt Ion:180 Resp: 224

Ion Ratio Lower Upper

180 100

182 108.9 47.5 142.6

145 0.0 17.0 50.9#

