

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
 Data File : VX045382.D
 Acq On : 21 Mar 2025 12:54
 Operator : JC/MD
 Sample : Q1582-07 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D2-20250313DL

Quant Time: Mar 21 23:14:05 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)

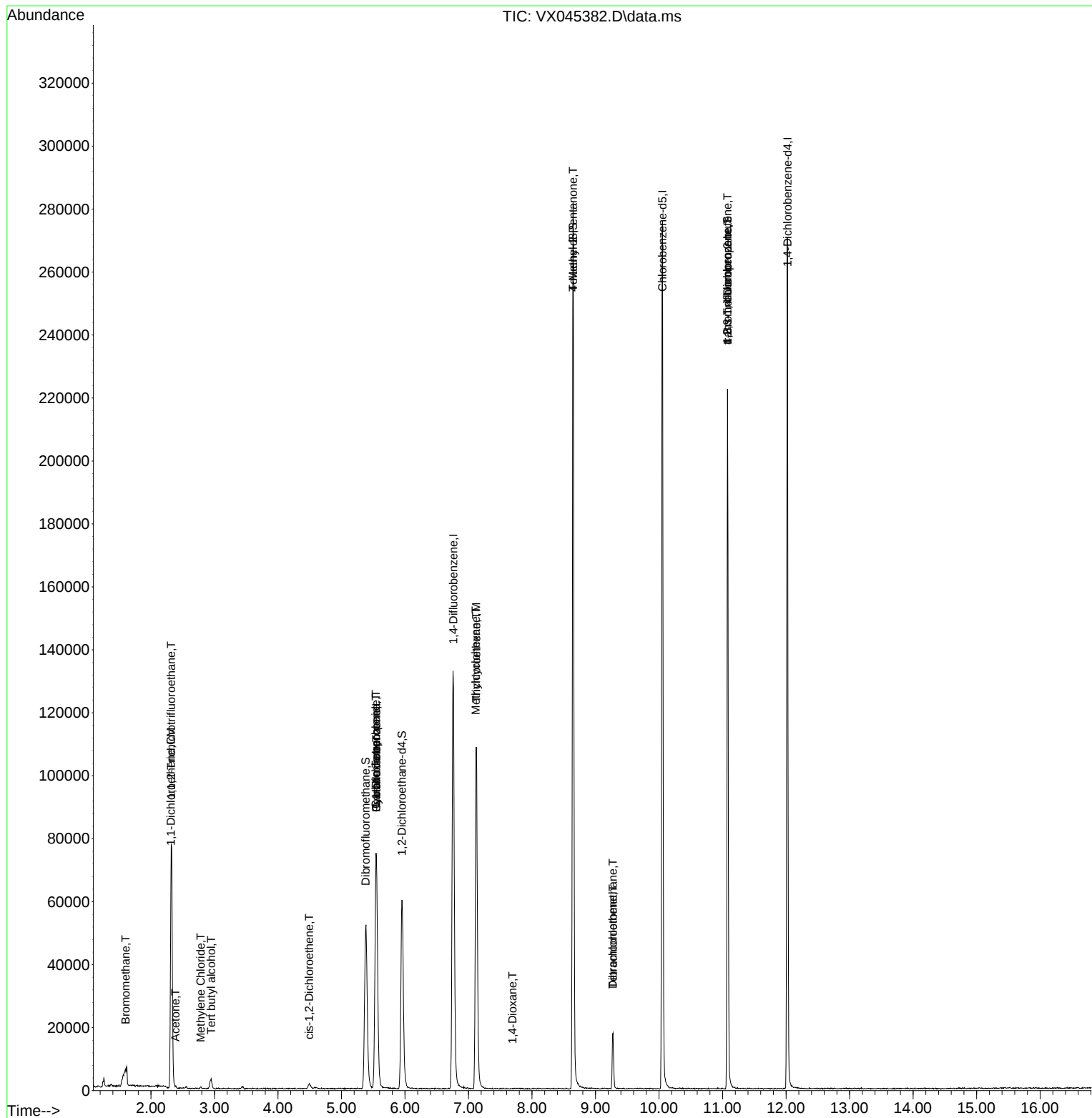
Internal Standards						
1) Pentafluorobenzene	5.549	168	66532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	130418	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	120413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	50604	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59816	56.521	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 113.040%	
35) Dibromofluoromethane	5.379	113	45129	51.749	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.500%	
50) Toluene-d8	8.646	98	160343	50.716	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.440%	
62) 4-Bromofluorobenzene	11.079	95	55986	53.440	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 106.880%	
Target Compounds						Qvalue
5) Bromomethane	1.599	94	125	0.313	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.318	101	31012	40.105	ug/l	99
11) Tert butyl alcohol	2.946	59	1958	9.768	ug/l #	73
12) 1,1-Dichloroethene	2.312	96	412	0.504	ug/l	83
16) Acetone	2.385	43	502	1.022	ug/l	91
20) Methylene Chloride	2.782	84	210	0.216	ug/l #	79
27) cis-1,2-Dichloroethene	4.489	96	1077	1.080	ug/l	94
31) Cyclohexane	5.549	56	1842	1.279	ug/l #	47
36) 1,1-Dichloropropene	5.543	75	6422	5.370	ug/l #	51
38) Carbon Tetrachloride	5.543	117	7613	6.270	ug/l #	15
39) Methylcyclohexane	7.116	83	567	0.396	ug/l #	1
44) Trichloroethene	7.122	130	40346	45.498	ug/l	97
49) 1,4-Dioxane	7.689	88	50	2.073	ug/l #	23
51) 4-Methyl-2-Pentanone	8.646	43	862	0.563	ug/l #	1
60) Dibromochloromethane	9.274	129	3180	3.334	ug/l #	11
64) Tetrachloroethene	9.274	164	3234	4.193	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	32151	27.297	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	32151	93.416	ug/l #	6

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

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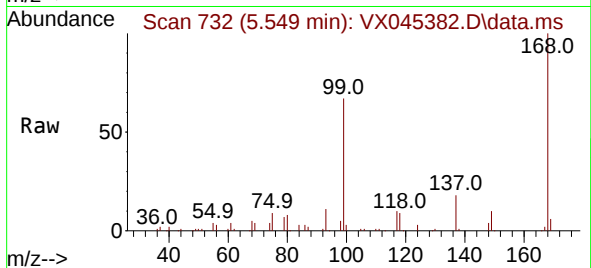
Quant Time: Mar 21 23:14:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
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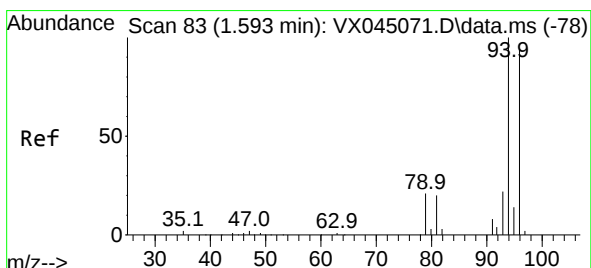
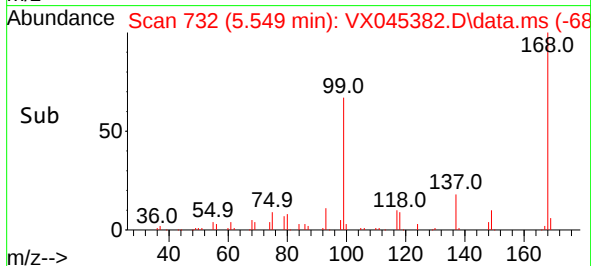
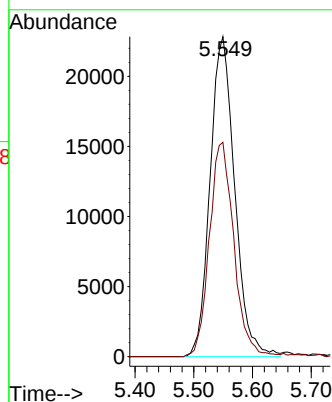


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20250313DL

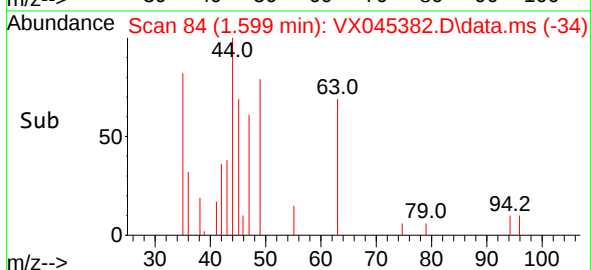
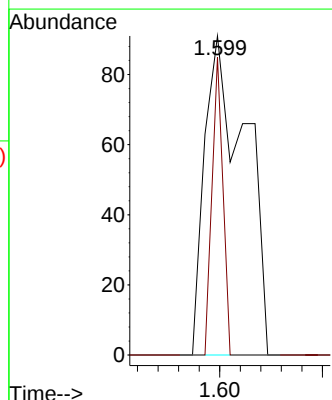
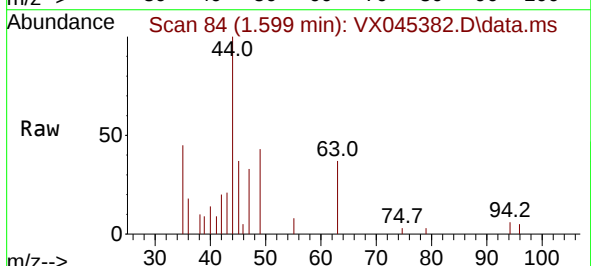


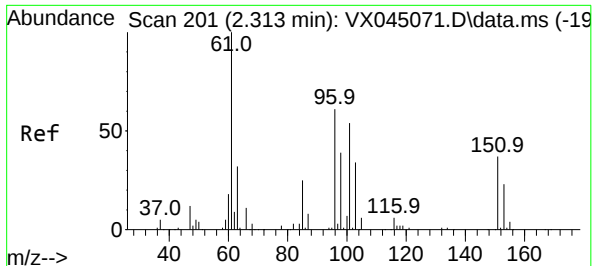
Tgt Ion:168 Resp: 66532
Ion Ratio Lower Upper
168 100
99 67.0 48.2 72.4



#5
Bromomethane
Concen: 0.313 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

Tgt Ion: 94 Resp: 125
Ion Ratio Lower Upper
94 100
96 93.4 75.0 112.4

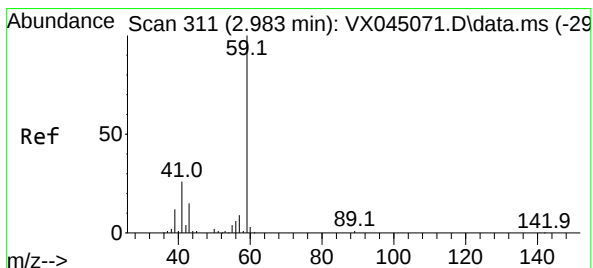
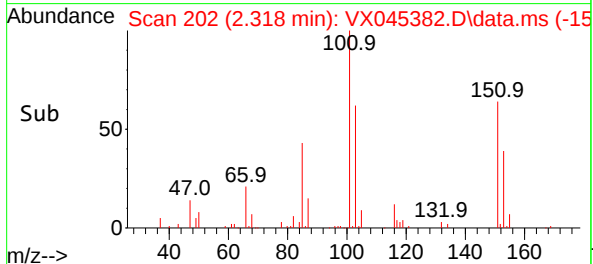
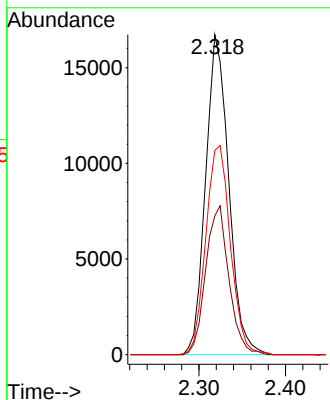
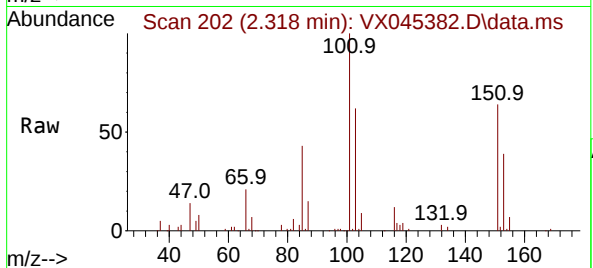




#9
1,1,2-Trichlorotrifluoroethane
Concen: 40.105 ug/l
RT: 2.318 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

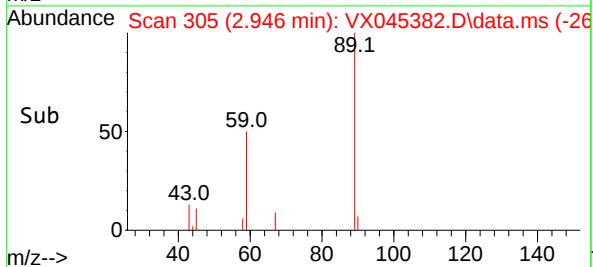
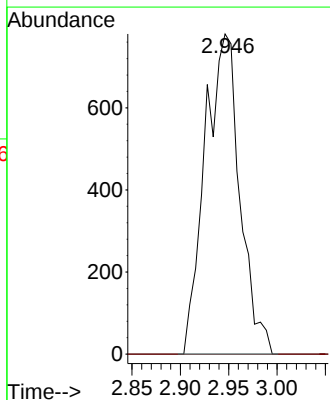
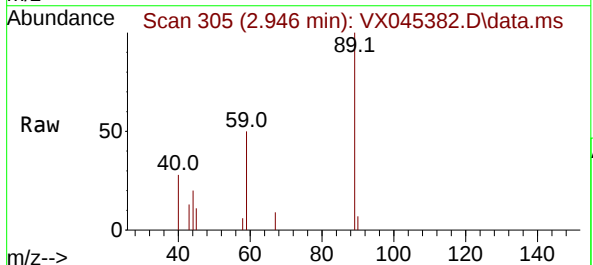
Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20250313DL

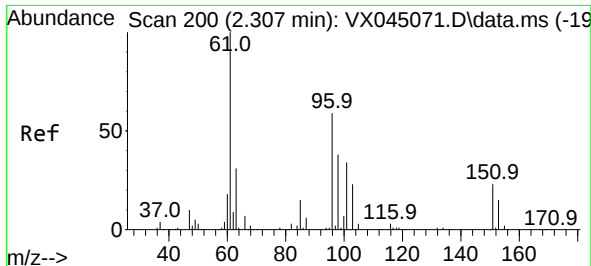
Tgt Ion:101 Resp: 31012
Ion Ratio Lower Upper
101 100
85 46.6 36.2 54.4
151 69.8 56.4 84.6



#11
Tert butyl alcohol
Concen: 9.768 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.037 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

Tgt Ion: 59 Resp: 1958
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 0.504 ug/l

RT: 2.312 min Scan# 200

Delta R.T. 0.006 min

Lab File: VX045382.D

Acq: 21 Mar 2025 12:54

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20250313DL

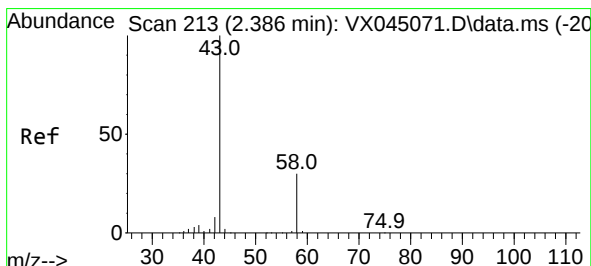
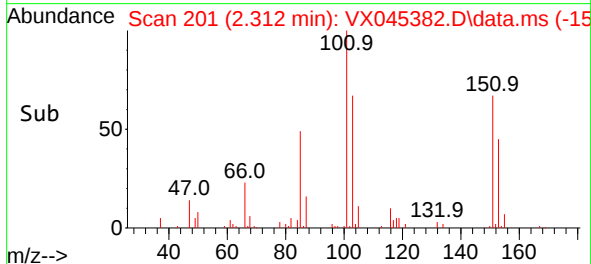
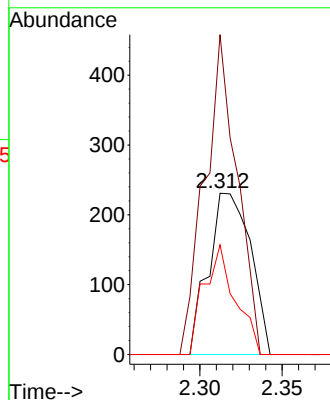
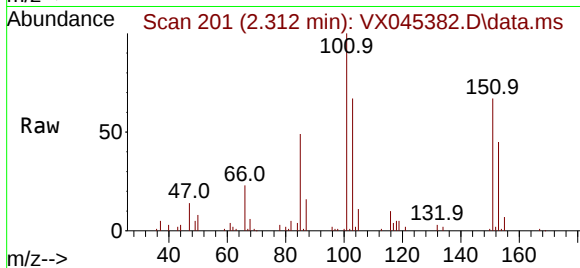
Tgt Ion: 96 Resp: 412

Ion Ratio Lower Upper

96 100

61 198.3 134.6 202.0

98 68.0 51.0 76.6



#16

Acetone

Concen: 1.022 ug/l

RT: 2.385 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX045382.D

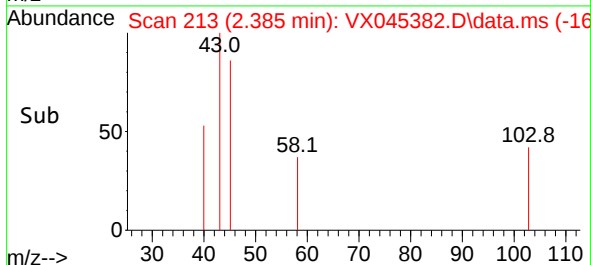
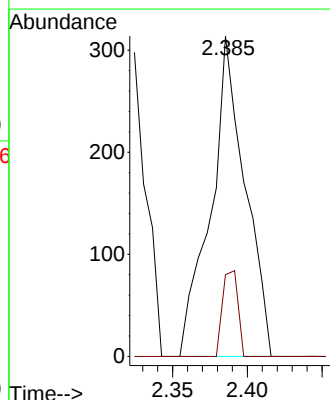
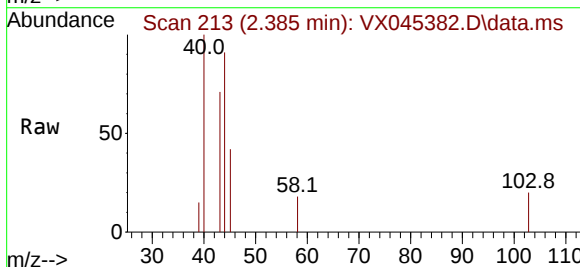
Acq: 21 Mar 2025 12:54

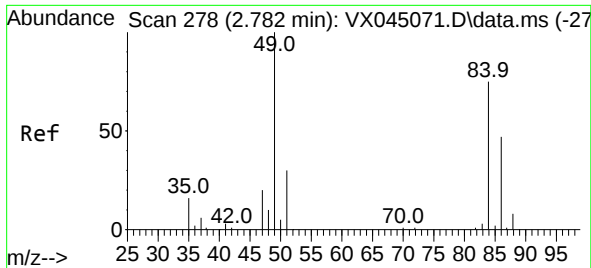
Tgt Ion: 43 Resp: 502

Ion Ratio Lower Upper

43 100

58 25.5 24.2 36.4

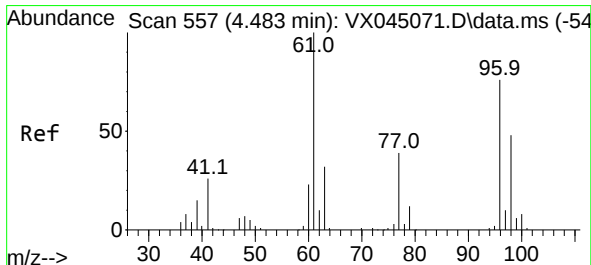
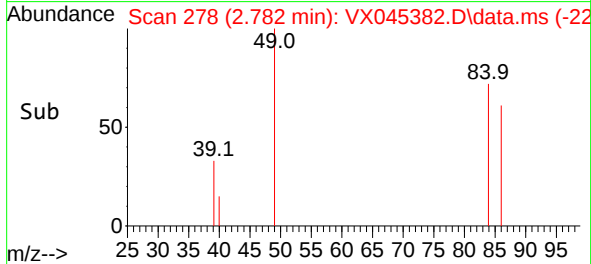
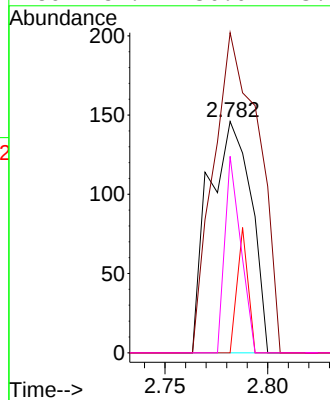
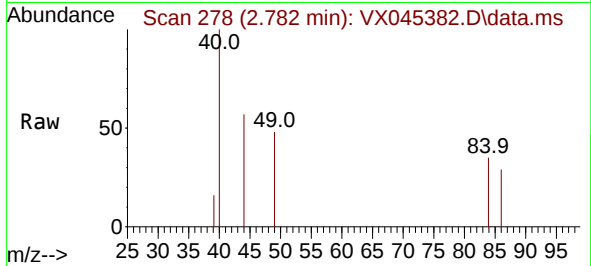




#20
Methylene Chloride
Concen: 0.216 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

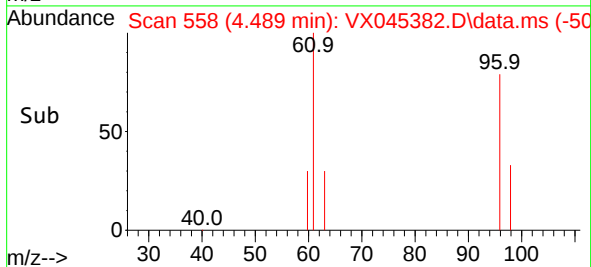
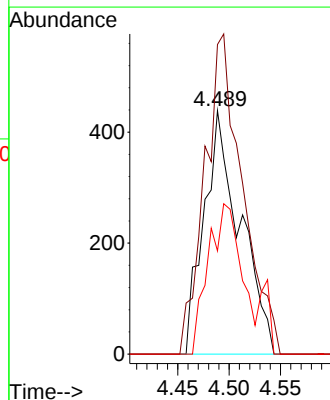
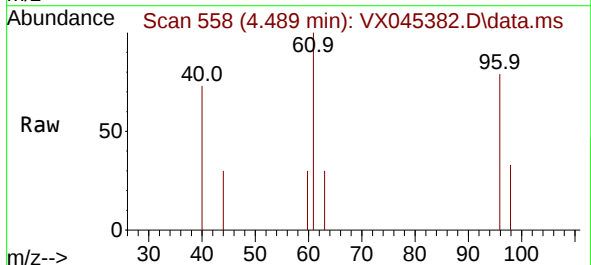
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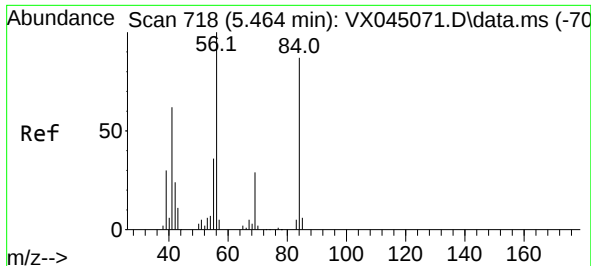
Tgt Ion:	84	Resp:	210
Ion	Ratio	Lower	Upper
84	100		
49	138.4	106.5	159.7
51	0.0	32.1	48.1#
86	84.9	50.0	75.0#



#27
cis-1,2-Dichloroethene
Concen: 1.080 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

Tgt Ion:	96	Resp:	1077
Ion	Ratio	Lower	Upper
96	100		
61	136.8	0.0	283.2
98	56.5	0.0	128.0

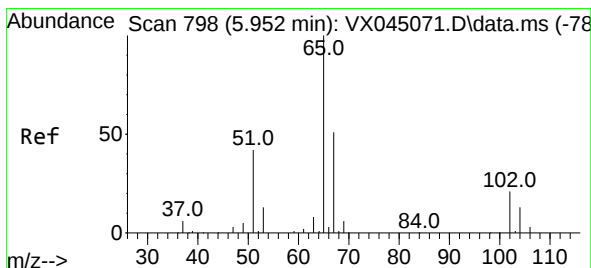
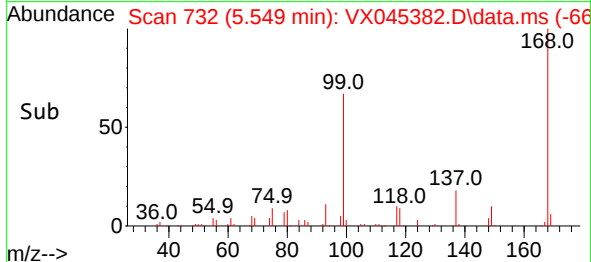
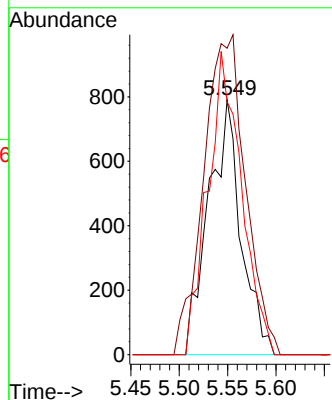
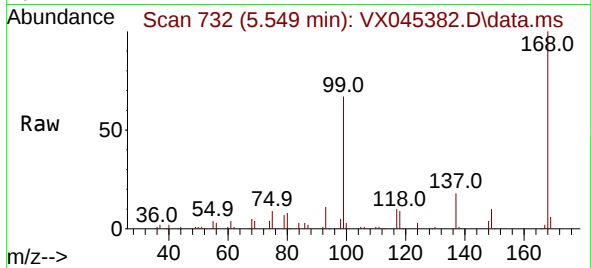




#31
Cyclohexane
Concen: 1.279 ug/l
RT: 5.549 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

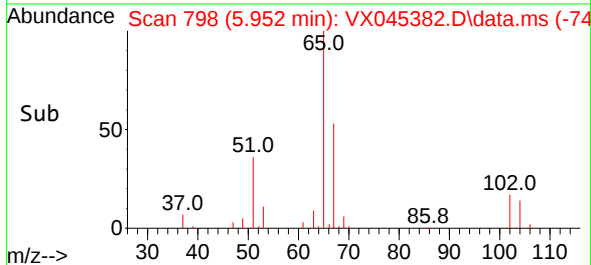
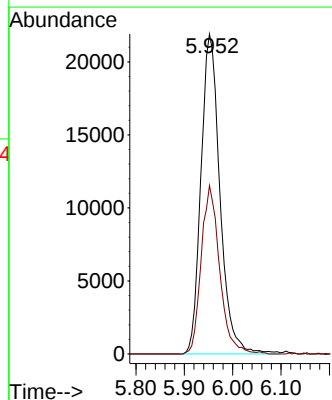
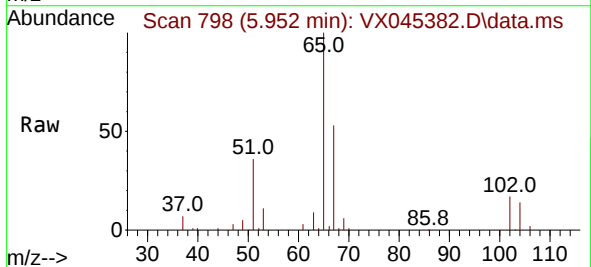
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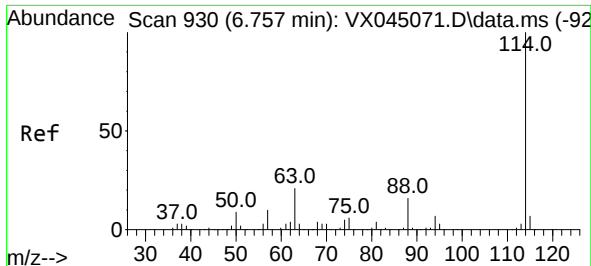
Tgt Ion: 56 Resp: 1842
Ion Ratio Lower Upper
56 100
69 120.2 23.4 35.2#
84 99.2 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 56.521 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

Tgt Ion: 65 Resp: 59816
Ion Ratio Lower Upper
65 100
67 50.9 0.0 106.2

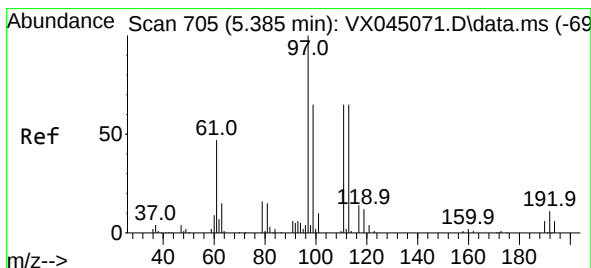
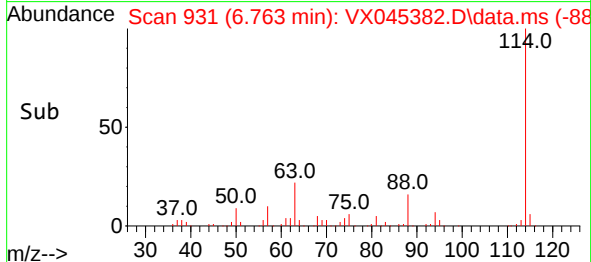
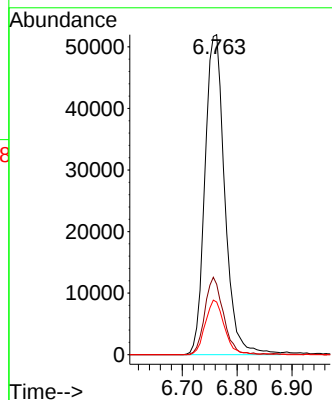
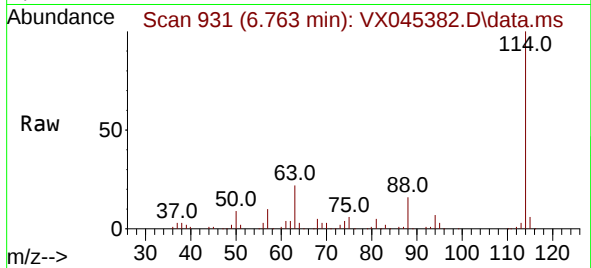




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

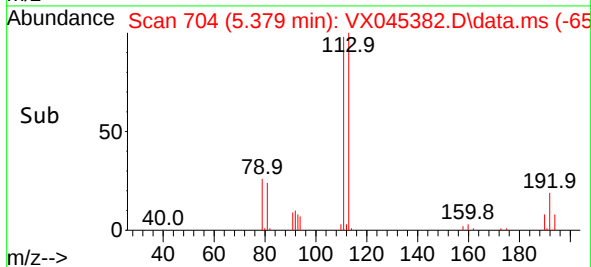
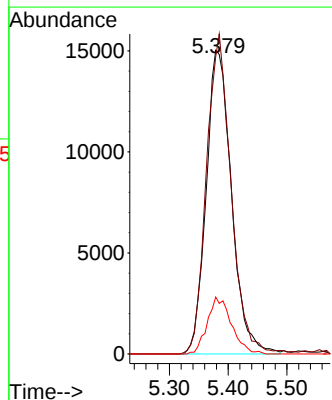
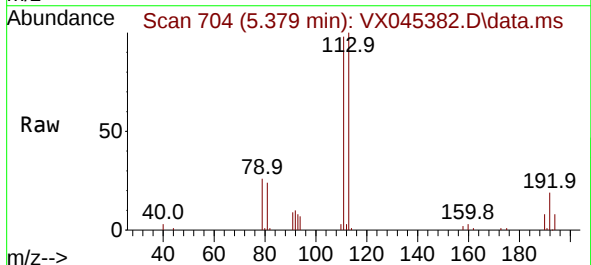
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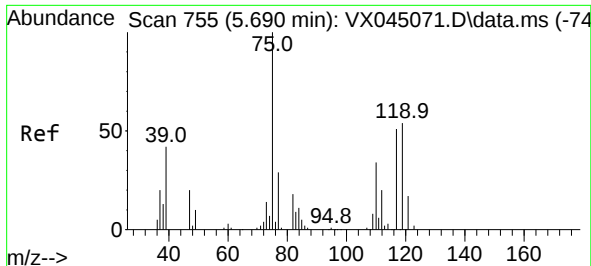
Tgt Ion:114 Resp: 130418
Ion Ratio Lower Upper
114 100
63 22.0 0.0 41.8
88 16.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.749 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

Tgt Ion:113 Resp: 45129
Ion Ratio Lower Upper
113 100
111 101.9 81.8 122.6
192 17.8 14.3 21.5

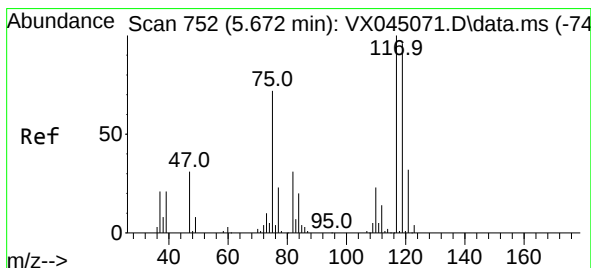
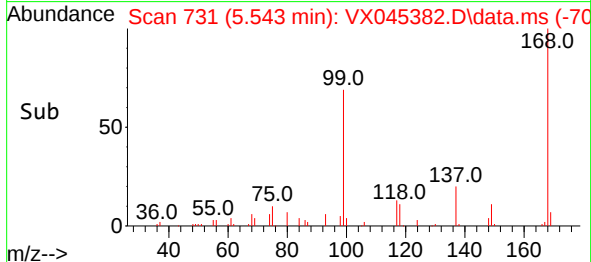
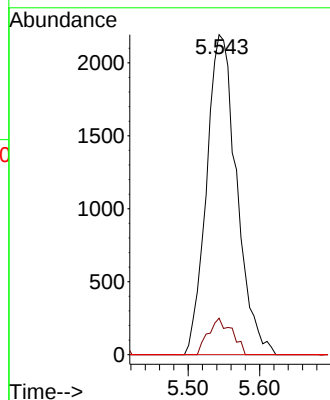
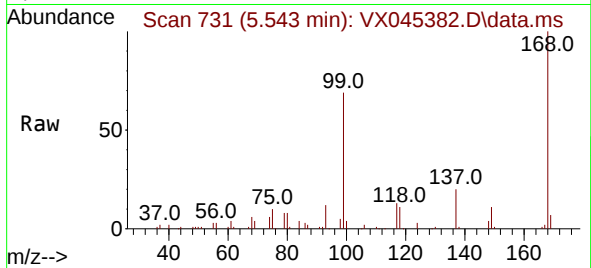




#36
1,1-Dichloropropene
Concen: 5.370 ug/l
RT: 5.543 min Scan# 711
Delta R.T. -0.147 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

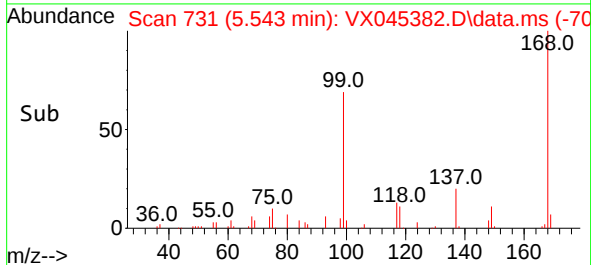
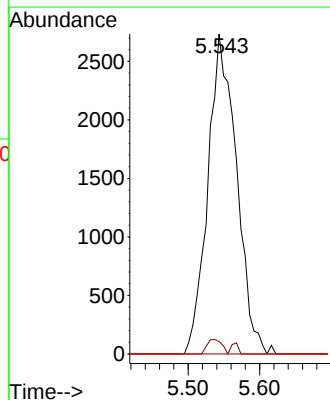
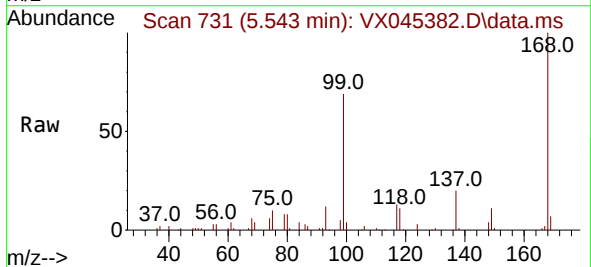
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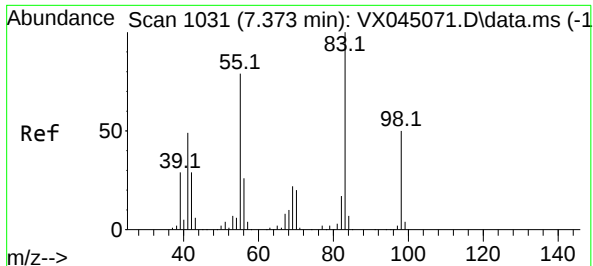
Tgt Ion: 75 Resp: 6422
Ion Ratio Lower Upper
75 100
110 8.9 16.9 50.6#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.270 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

Tgt Ion: 117 Resp: 7613
Ion Ratio Lower Upper
117 100
119 3.9 76.7 115.1#
121 0.0 25.5 38.3#





#39

Methylcyclohexane

Concen: 0.396 ug/l

RT: 7.116 min Scan# 91

Delta R.T. -0.256 min

Lab File: VX045382.D

Acq: 21 Mar 2025 12:54

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20250313DL

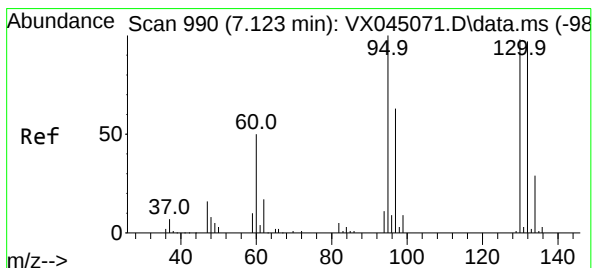
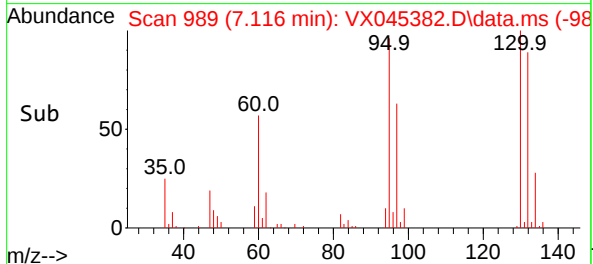
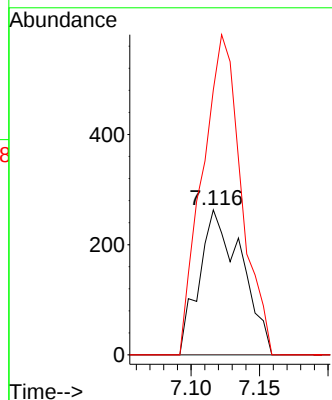
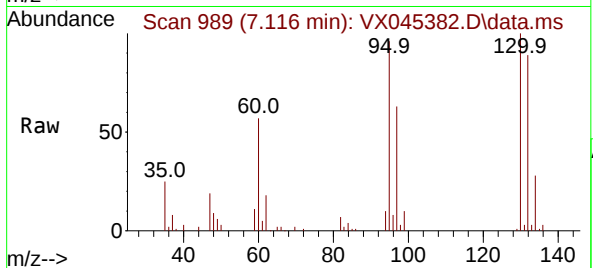
Tgt Ion: 83 Resp: 567

Ion Ratio Lower Upper

83 100

55 0.0 63.0 94.4#

98 182.9 39.7 59.5#



#44

Trichloroethene

Concen: 45.498 ug/l

RT: 7.122 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX045382.D

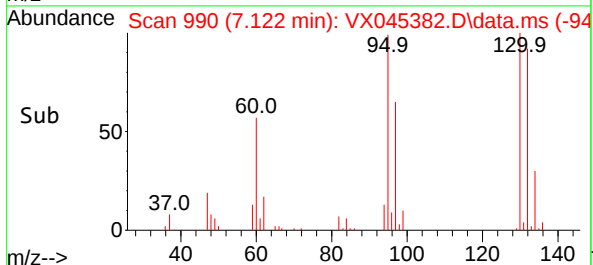
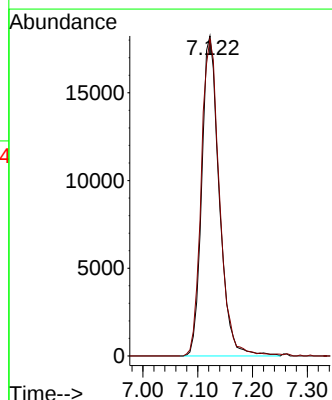
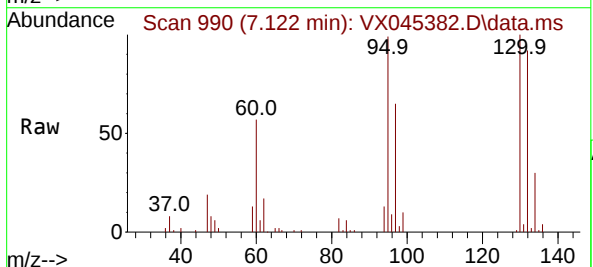
Acq: 21 Mar 2025 12:54

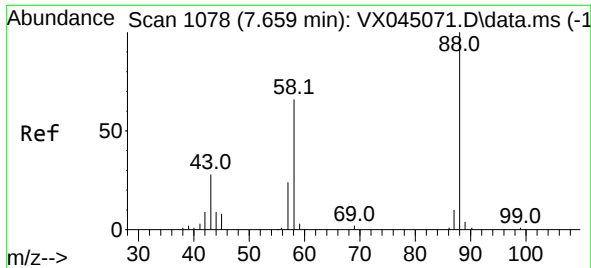
Tgt Ion:130 Resp: 40346

Ion Ratio Lower Upper

130 100

95 99.0 0.0 205.0

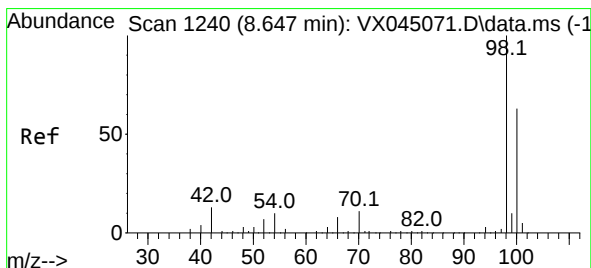
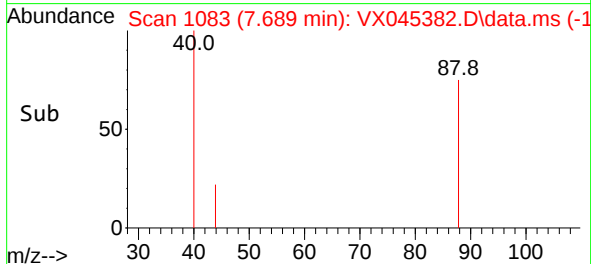
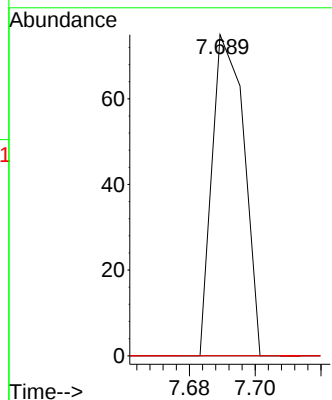
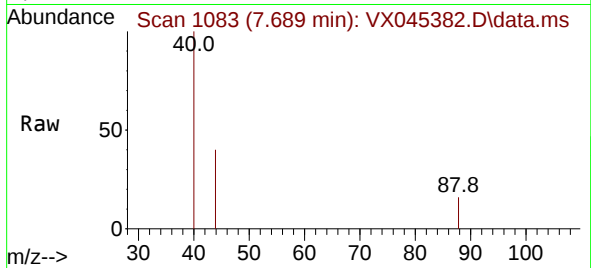




#49
1,4-Dioxane
Concen: 2.073 ug/l
RT: 7.689 min Scan# 1078
Delta R.T. 0.030 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

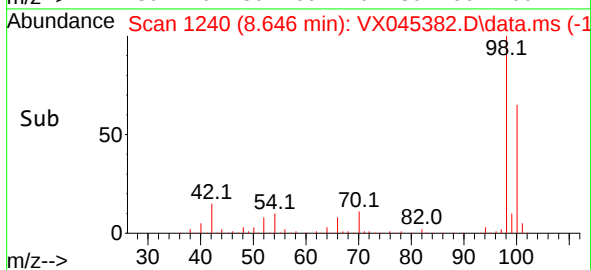
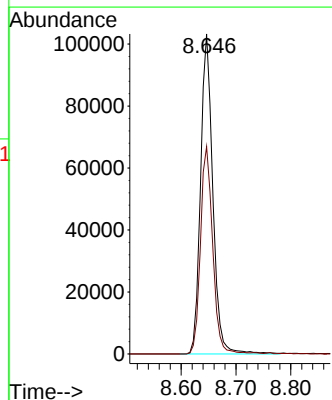
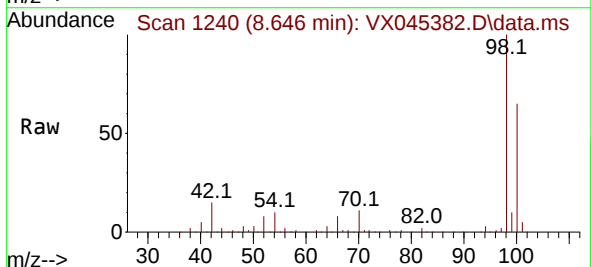
Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20250313DL

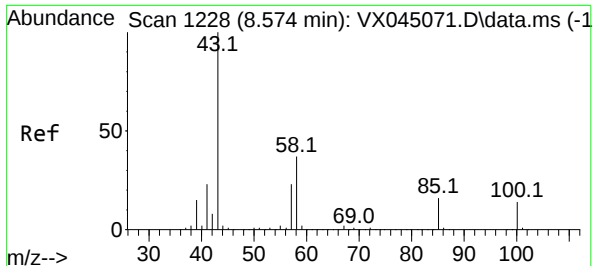
Tgt Ion: 88 Resp: 50
Ion Ratio Lower Upper
88 100
43 0.0 28.7 43.1#
58 0.0 55.8 83.8#



#50
Toluene-d8
Concen: 50.716 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

Tgt Ion: 98 Resp: 160343
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0

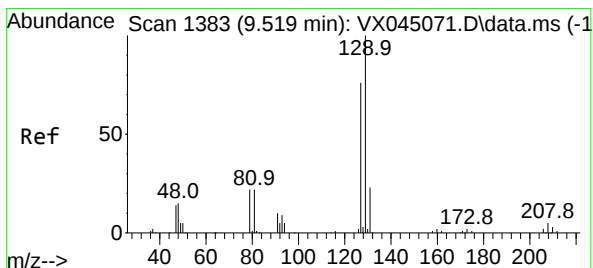
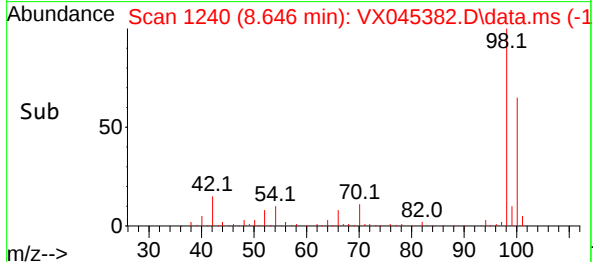
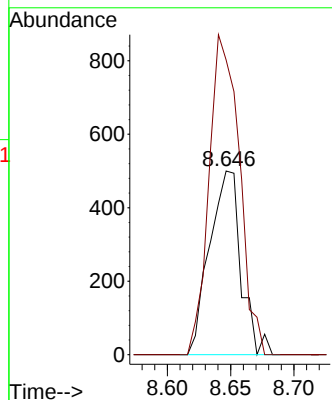
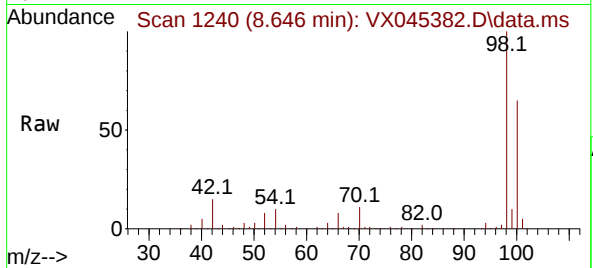




#51
4-Methyl-2-Pentanone
Concen: 0.563 ug/l
RT: 8.646 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

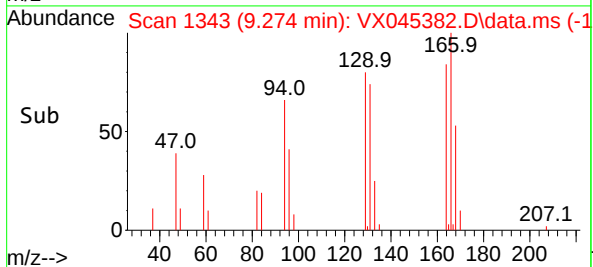
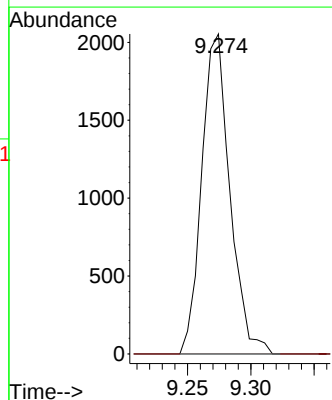
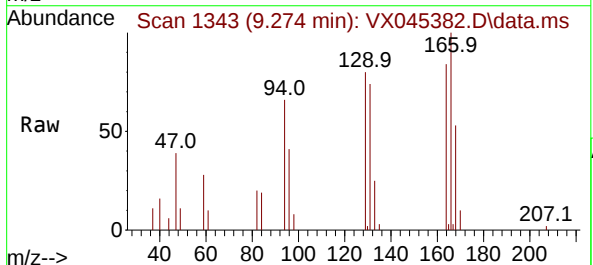
Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20250313DL

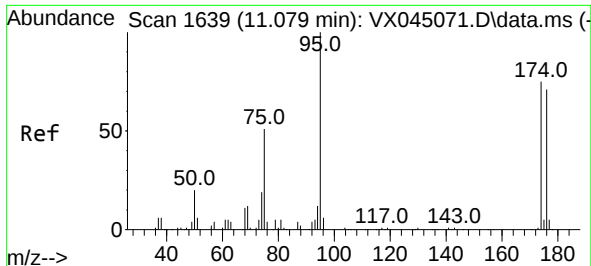
Tgt Ion: 43 Resp: 862
Ion Ratio Lower Upper
43 100
58 168.2 29.2 43.8#



#60
Dibromochloromethane
Concen: 3.334 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

Tgt Ion: 129 Resp: 3180
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#





#62

4-Bromofluorobenzene

Concen: 53.440 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045382.D

Acq: 21 Mar 2025 12:54

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20250313DL

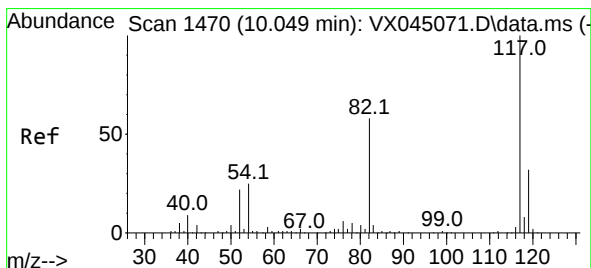
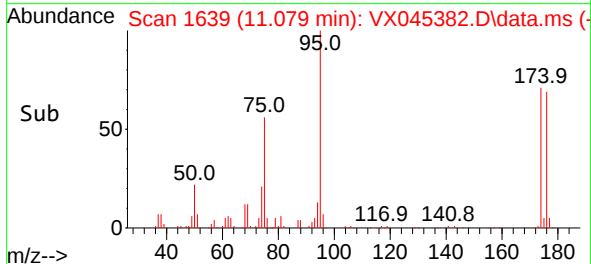
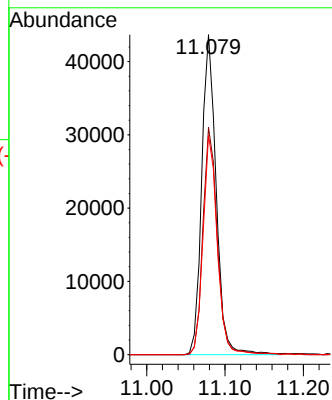
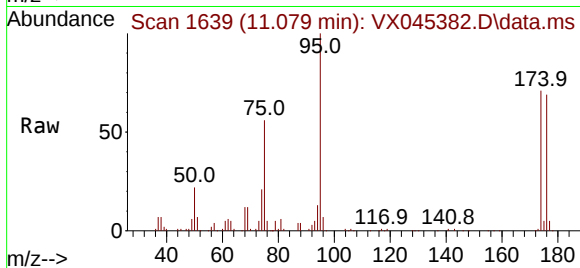
Tgt Ion: 95 Resp: 55986

Ion Ratio Lower Upper

95 100

174 71.0 0.0 148.2

176 67.6 0.0 141.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX045382.D

Acq: 21 Mar 2025 12:54

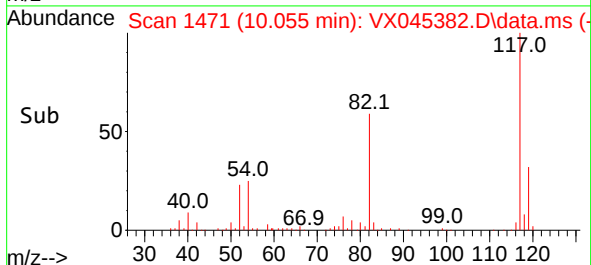
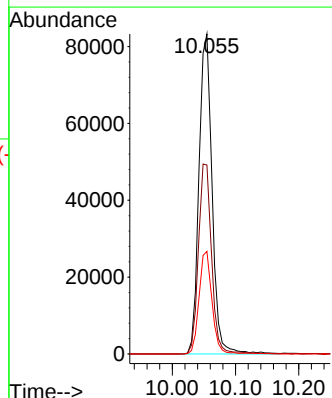
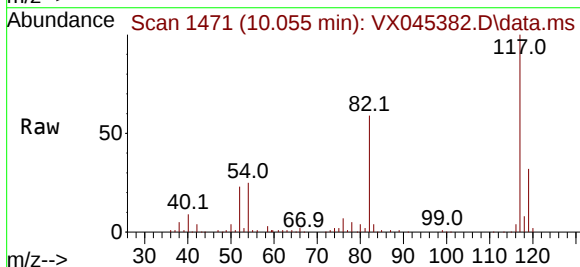
Tgt Ion: 117 Resp: 120413

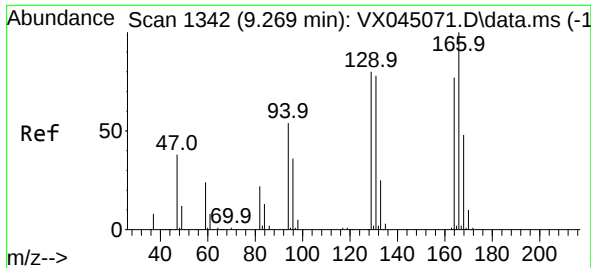
Ion Ratio Lower Upper

117 100

82 59.1 46.3 69.5

119 32.0 25.7 38.5

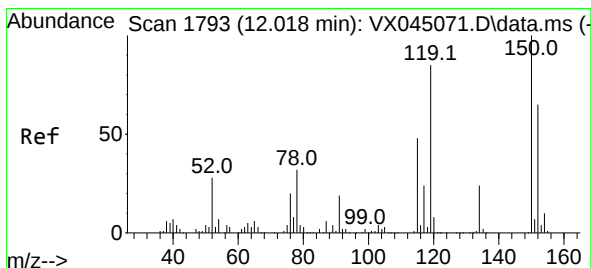
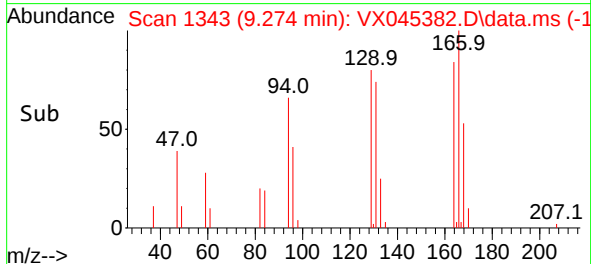
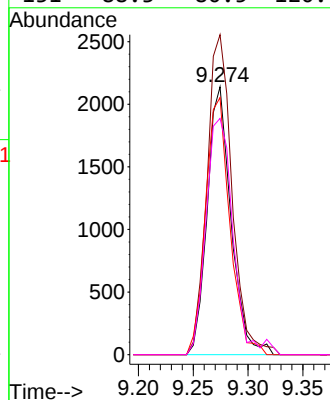
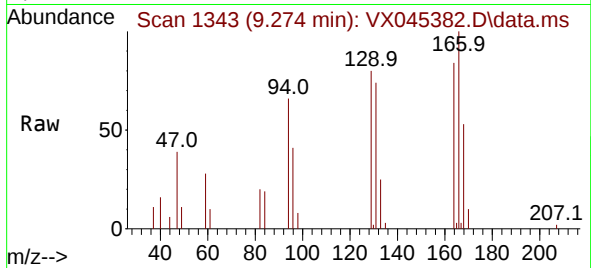




#64
Tetrachloroethene
Concen: 4.193 ug/l
RT: 9.274 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

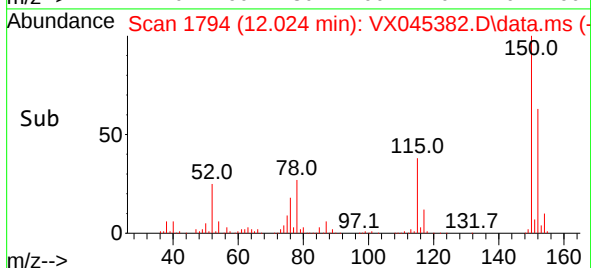
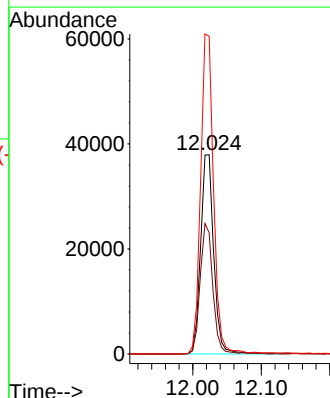
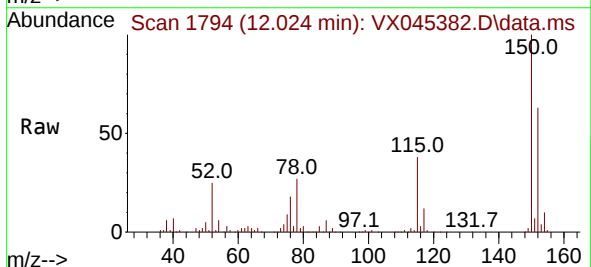
Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20250313DL

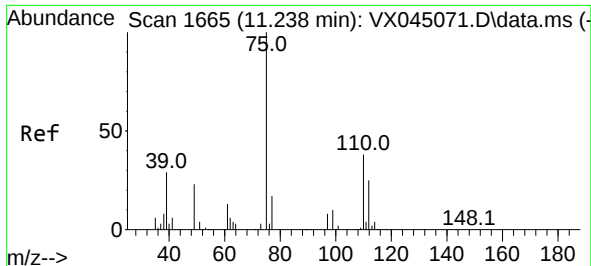
Tgt	Ion:164	Resp:	3234
Ion	Ratio	Lower	Upper
164	100		
166	119.5	103.6	155.4
129	96.0	82.7	124.1
131	88.3	80.5	120.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

Tgt Ion:152	Resp:	50604	
Ion	Ratio	Lower	Upper
152	100		
115	63.5	44.2	132.6
150	158.2	0.0	349.0

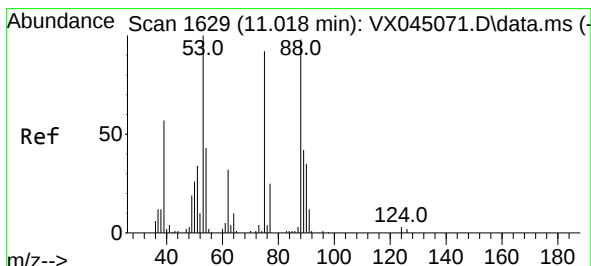
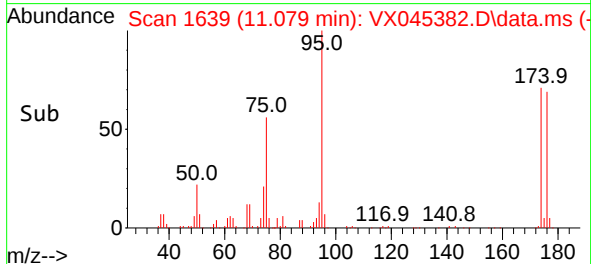
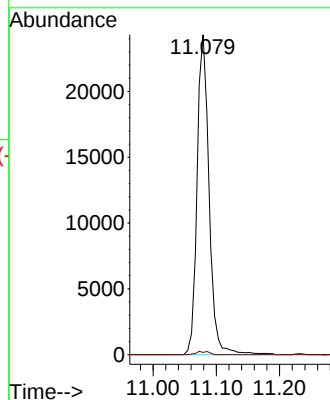
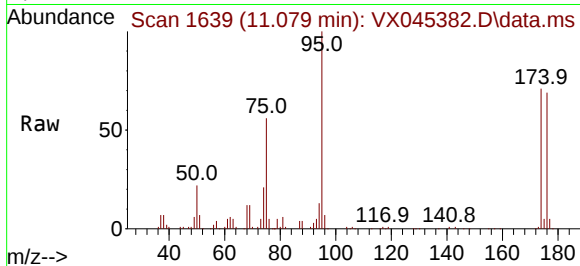




#76
1,2,3-Trichloropropane
Concen: 27.297 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20250313DL

Tgt Ion: 75 Resp: 32151
Ion Ratio Lower Upper
75 100
77 1.0 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.416 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

Tgt Ion: 75 Resp: 32151
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

