

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032625\
 Data File : VX045466.D
 Acq On : 26 Mar 2025 13:43
 Operator : JC/MD
 Sample : Q1629-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT188S1-20250320

Quant Time: Mar 27 01:38:01 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)

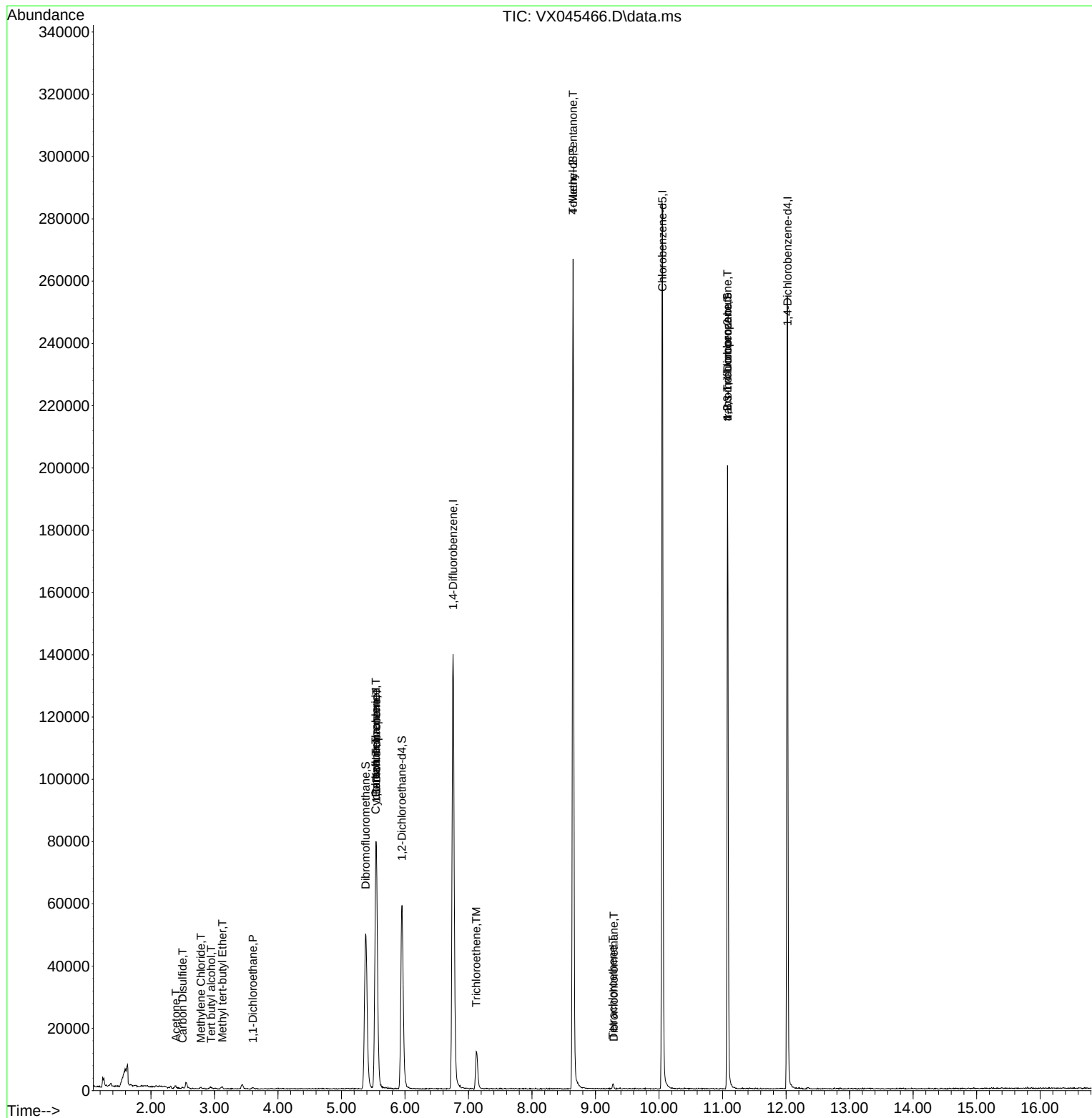
Internal Standards						
1) Pentafluorobenzene	5.544	168	68093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	134396	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	120469	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	47673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	57930	53.484	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.960%			
35) Dibromofluoromethane	5.379	113	44430	49.440	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.880%			
50) Toluene-d8	8.647	98	151229	46.418	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.840%			
62) 4-Bromofluorobenzene	11.079	95	51582	47.779	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.560%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.946	59	285	1.389	ug/l #	73
16) Acetone	2.392	43	1110	2.209	ug/l	97
17) Carbon Disulfide	2.495	76	582	0.261	ug/l #	77
19) Methyl tert-butyl Ether	3.123	73	641	0.228	ug/l #	52
20) Methylene Chloride	2.788	84	312	0.313	ug/l #	83
24) 1,1-Dichloroethane	3.605	63	602	0.355	ug/l #	83
31) Cyclohexane	5.537	56	2029	1.377	ug/l #	39
36) 1,1-Dichloropropene	5.550	75	6633	5.382	ug/l #	51
38) Carbon Tetrachloride	5.544	117	7932	6.339	ug/l #	16
44) Trichloroethene	7.123	130	4858	5.316	ug/l	90
51) 4-Methyl-2-Pentanone	8.647	43	912	0.578	ug/l #	1
60) Dibromochloromethane	9.287	129	333	0.339	ug/l #	11
64) Tetrachloroethene	9.275	164	257	0.333	ug/l #	83
76) 1,2,3-Trichloropropane	11.079	75	29964	27.004	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	29964	92.414	ug/l #	6

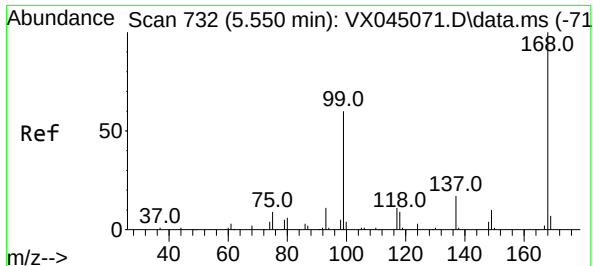
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 27 01:38:01 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

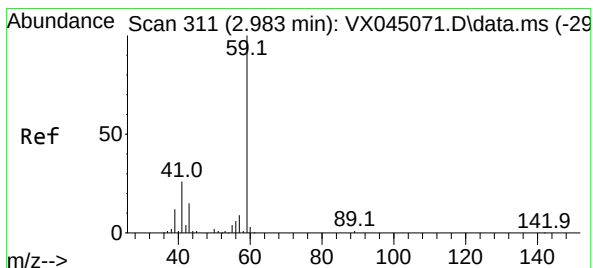
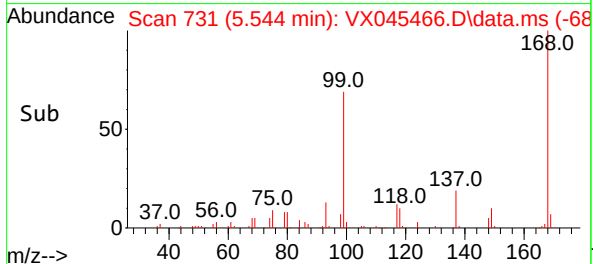
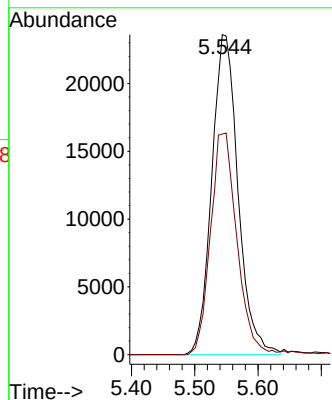
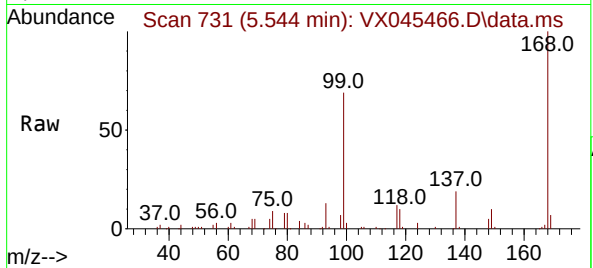




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045466.D
Acq: 26 Mar 2025 13:43

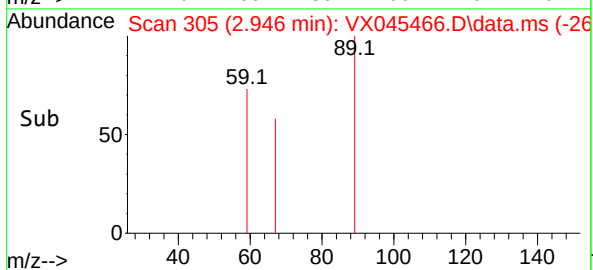
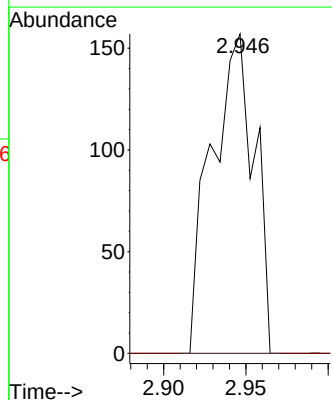
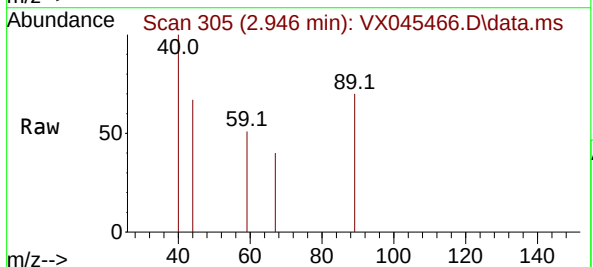
Instrument :
MSVOA_X
ClientSampleId :
TT188S1-20250320

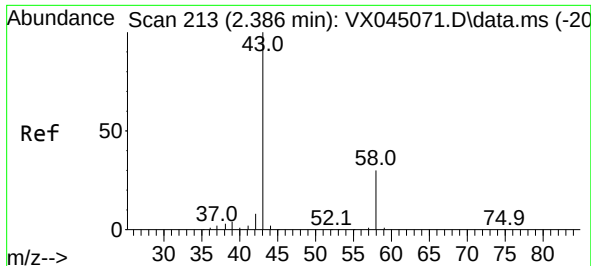
Tgt Ion:168 Resp: 68093
Ion Ratio Lower Upper
168 100
99 68.9 48.2 72.4



#11
Tert butyl alcohol
Concen: 1.389 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.037 min
Lab File: VX045466.D
Acq: 26 Mar 2025 13:43

Tgt Ion: 59 Resp: 285
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

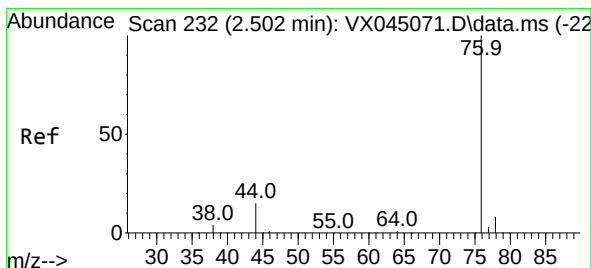
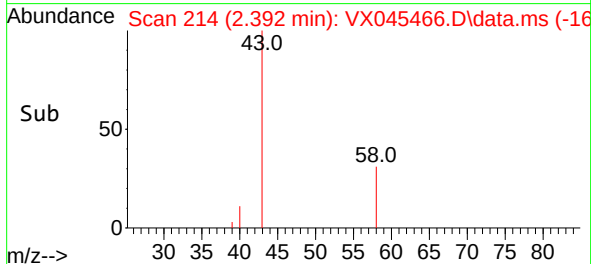
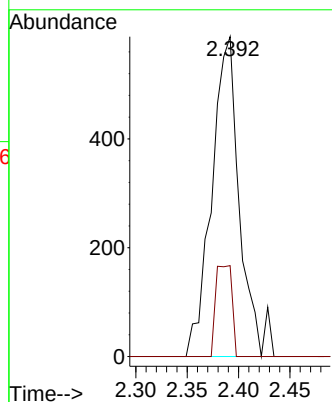
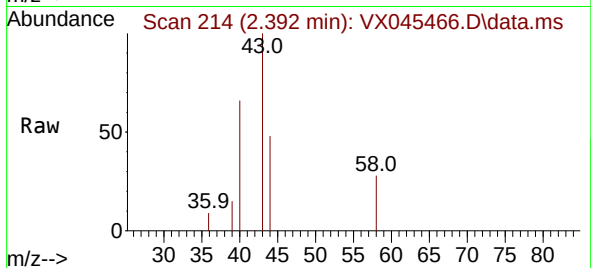




#16
Acetone
Concen: 2.209 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045466.D
Acq: 26 Mar 2025 13:43

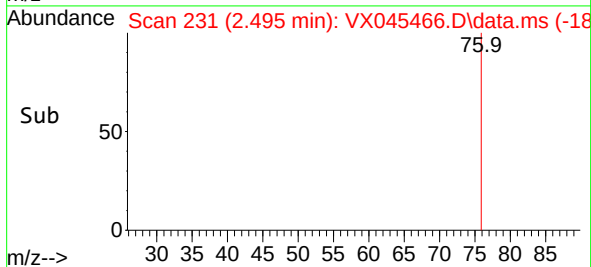
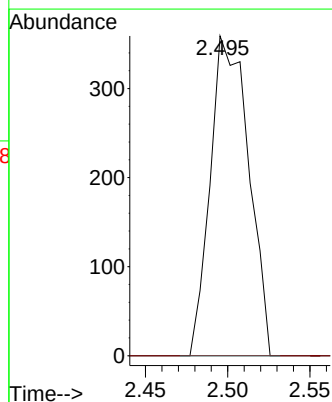
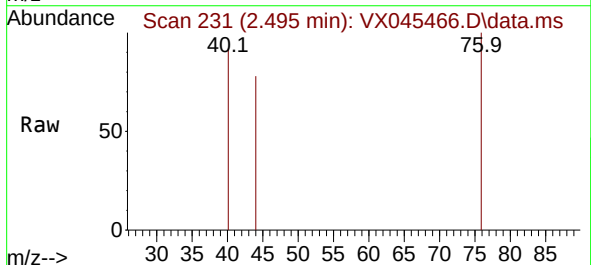
Instrument :
MSVOA_X
ClientSampleId :
TT188S1-20250320

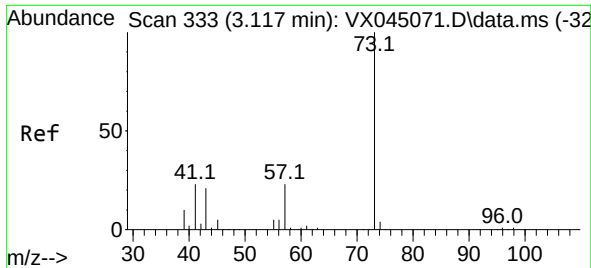
Tgt Ion: 43 Resp: 1110
Ion Ratio Lower Upper
43 100
58 28.4 24.2 36.4



#17
Carbon Disulfide
Concen: 0.261 ug/l
RT: 2.495 min Scan# 231
Delta R.T. -0.006 min
Lab File: VX045466.D
Acq: 26 Mar 2025 13:43

Tgt Ion: 76 Resp: 582
Ion Ratio Lower Upper
76 100
78 0.0 6.6 9.8#

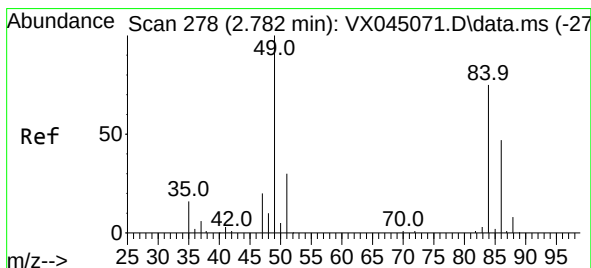
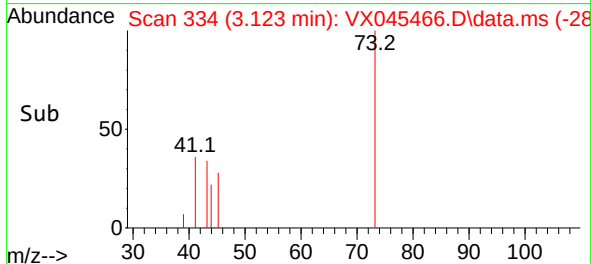
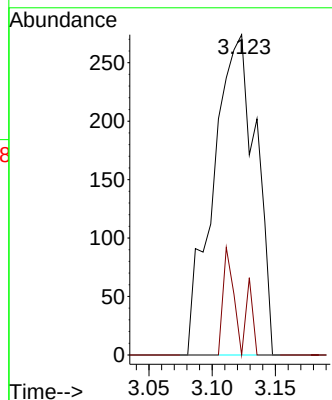
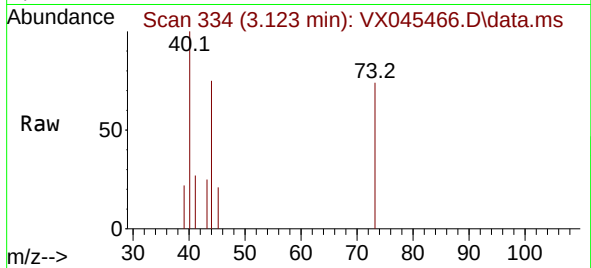




#19
Methyl tert-butyl Ether
Concen: 0.228 ug/l
RT: 3.123 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX045466.D
Acq: 26 Mar 2025 13:43

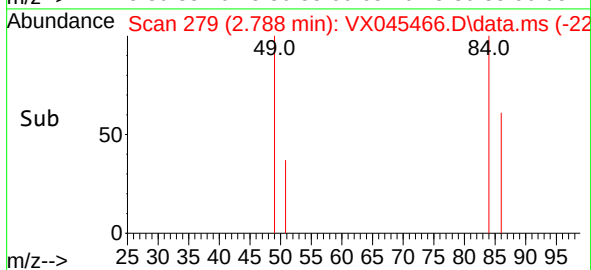
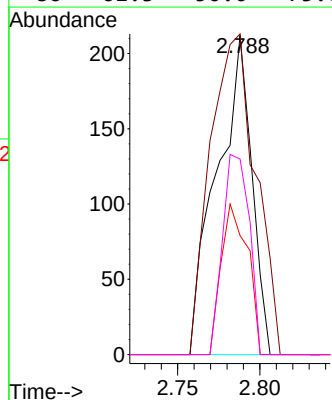
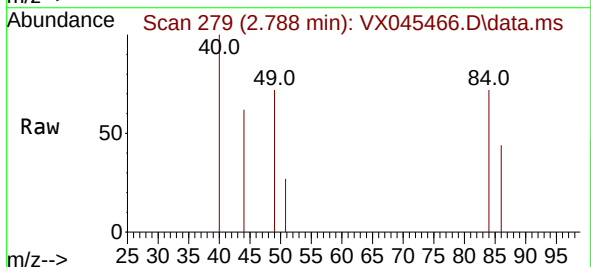
Instrument :
MSVOA_X
ClientSampleId :
TT188S1-20250320

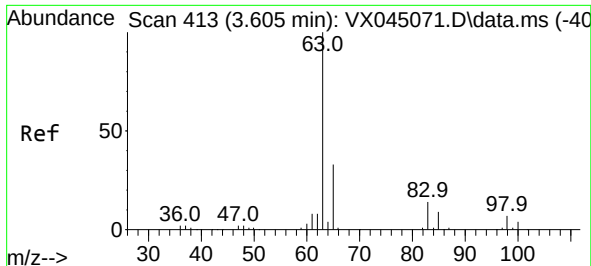
Tgt Ion: 73 Resp: 641
Ion Ratio Lower Upper
73 100
57 0.0 18.5 27.7#



#20
Methylene Chloride
Concen: 0.313 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045466.D
Acq: 26 Mar 2025 13:43

Tgt Ion: 84 Resp: 312
Ion Ratio Lower Upper
84 100
49 100.5 106.5 159.7#
51 37.3 32.1 48.1
86 61.3 50.0 75.0

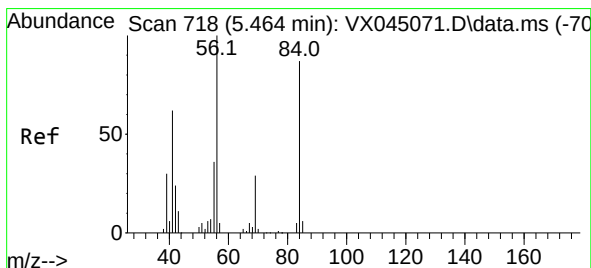
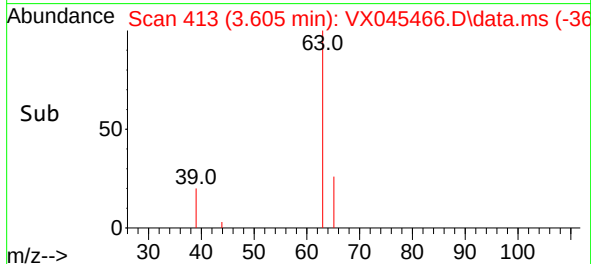
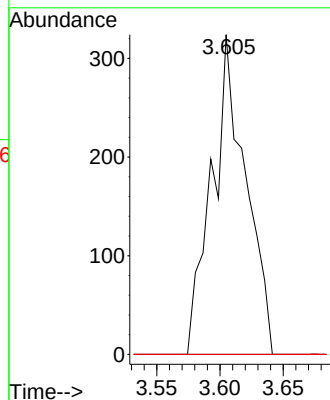
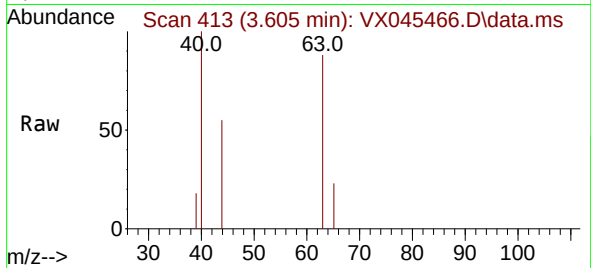




#24
1,1-Dichloroethane
Concen: 0.355 ug/l
RT: 3.605 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX045466.D
Acq: 26 Mar 2025 13:43

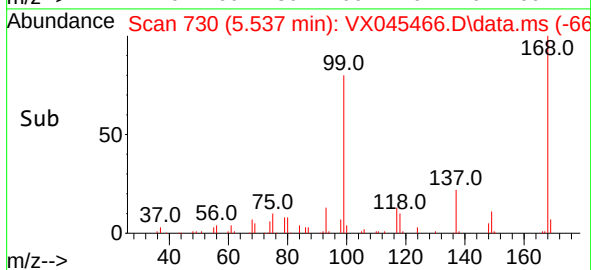
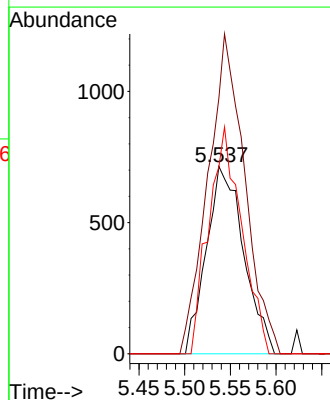
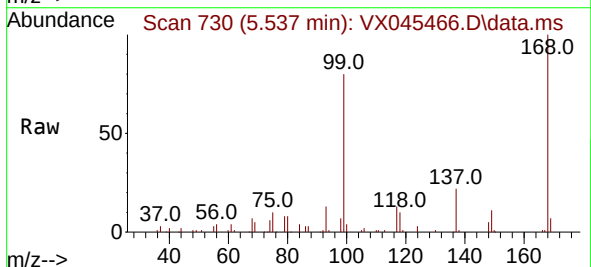
Instrument :
MSVOA_X
ClientSampleId :
TT188S1-20250320

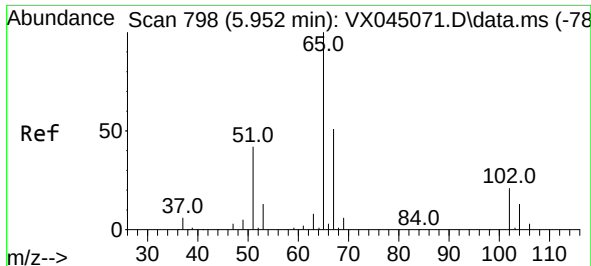
Tgt Ion: 63 Resp: 602
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.2#
100 0.0 2.1 6.5#



#31
Cyclohexane
Concen: 1.377 ug/l
RT: 5.537 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX045466.D
Acq: 26 Mar 2025 13:43

Tgt Ion: 56 Resp: 2029
Ion Ratio Lower Upper
56 100
69 136.7 23.4 35.2#
84 99.9 69.4 104.2





#33

1,2-Dichloroethane-d4

Concen: 53.484 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045466.D

Acq: 26 Mar 2025 13:43

Instrument :

MSVOA_X

ClientSampleId :

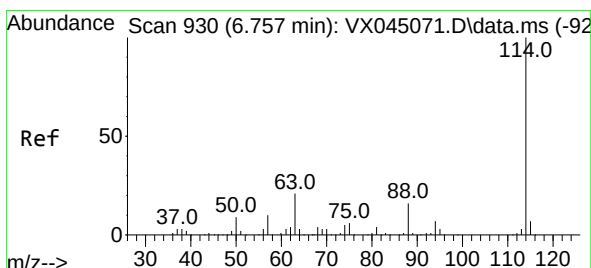
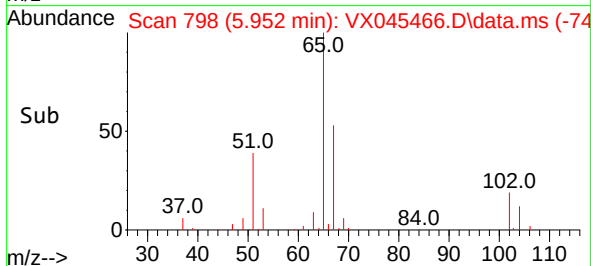
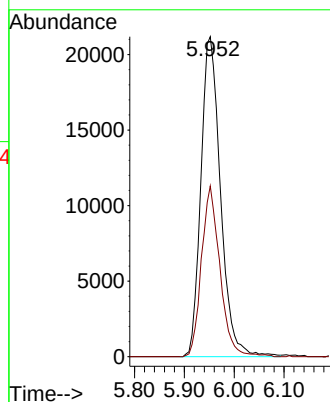
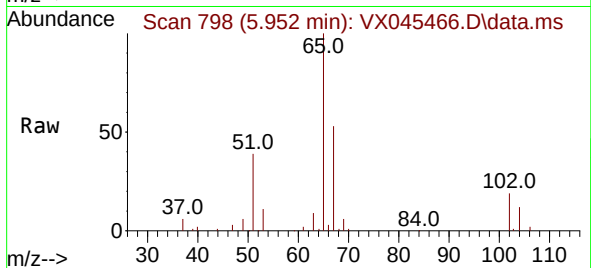
TT188S1-20250320

Tgt Ion: 65 Resp: 57930

Ion Ratio Lower Upper

65 100

67 50.3 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: VX045466.D

Acq: 26 Mar 2025 13:43

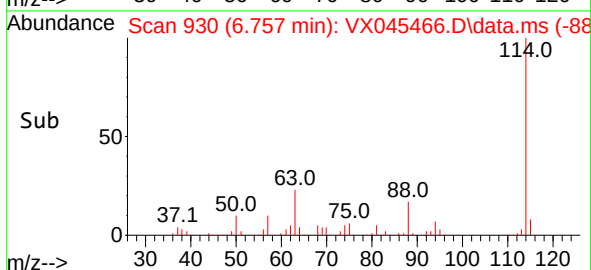
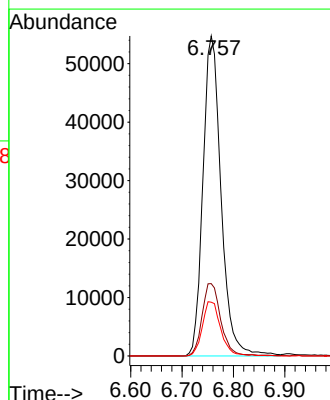
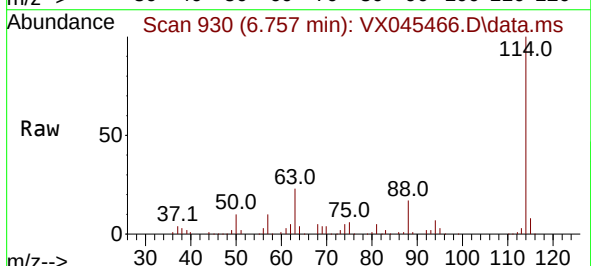
Tgt Ion: 114 Resp: 134396

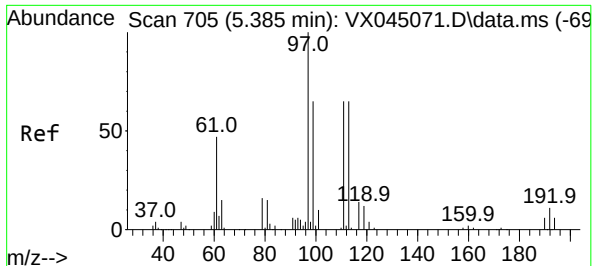
Ion Ratio Lower Upper

114 100

63 22.6 0.0 41.8

88 16.8 0.0 32.8

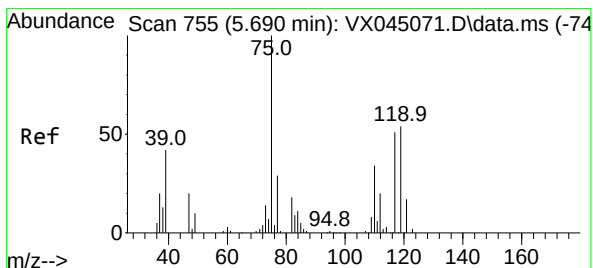
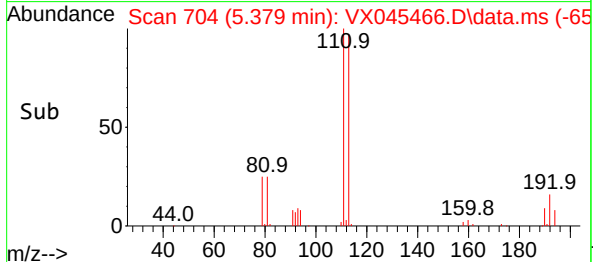
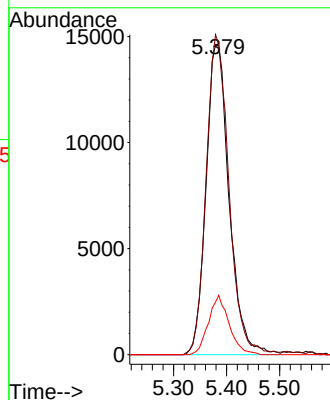
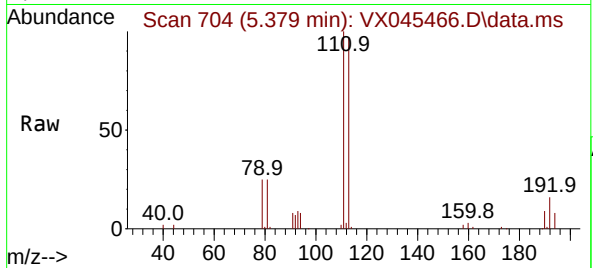




#35
Dibromofluoromethane
Concen: 49.440 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX045466.D
Acq: 26 Mar 2025 13:43

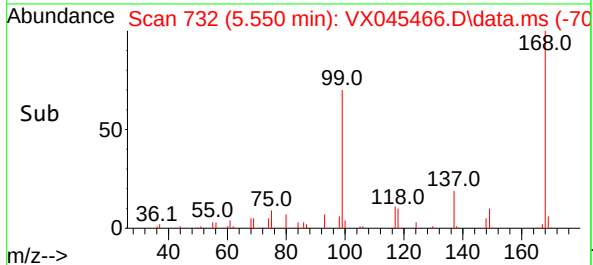
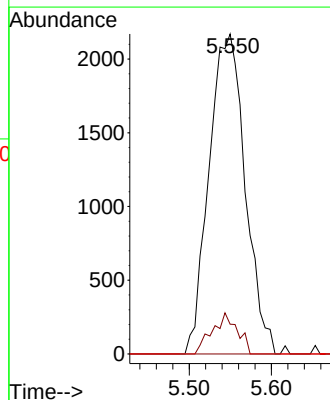
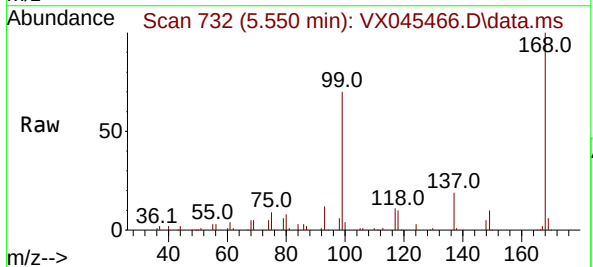
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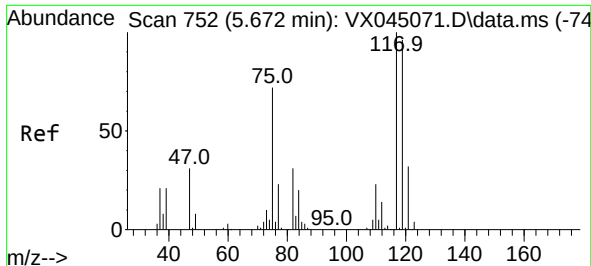
Tgt Ion:113 Resp: 44430
Ion Ratio Lower Upper
113 100
111 101.2 81.8 122.6
192 17.0 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.382 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX045466.D
Acq: 26 Mar 2025 13:43

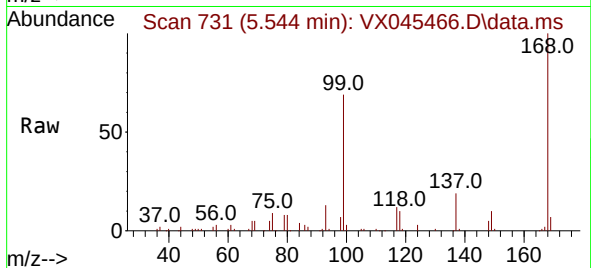
Tgt Ion: 75 Resp: 6633
Ion Ratio Lower Upper
75 100
110 8.9 16.9 50.6#
77 0.0 24.5 36.7#



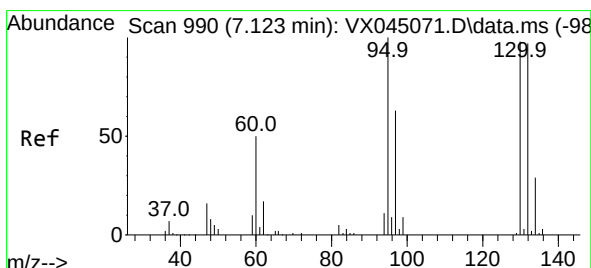
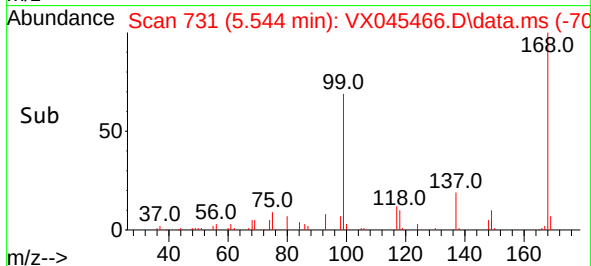
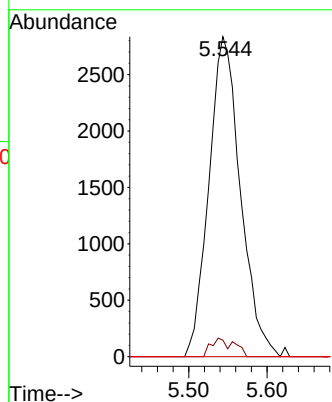


#38
Carbon Tetrachloride
Concen: 6.339 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX045466.D
Acq: 26 Mar 2025 13:43

Instrument :
MSVOA_X
ClientSampleId :
TT188S1-20250320

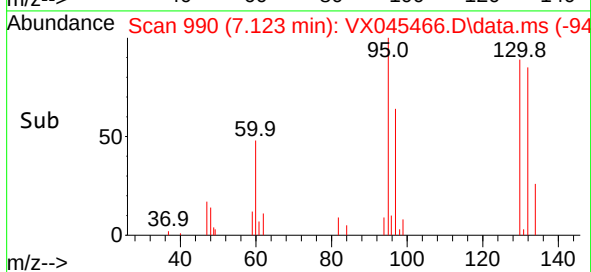
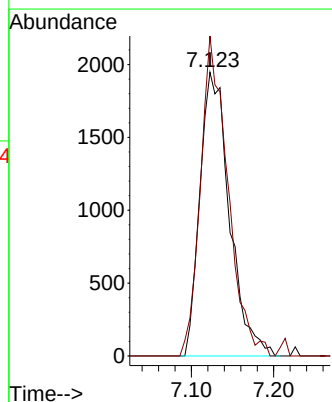
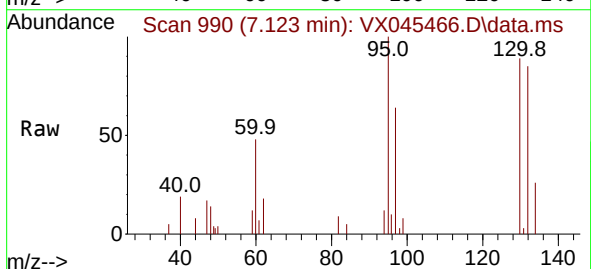


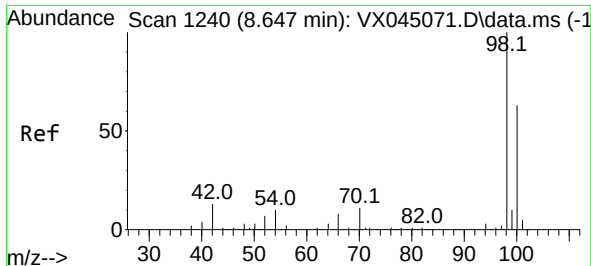
Tgt Ion:117 Resp: 7932
Ion Ratio Lower Upper
117 100
119 5.1 76.7 115.1#
121 0.0 25.5 38.3#



#44
Trichloroethene
Concen: 5.316 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045466.D
Acq: 26 Mar 2025 13:43

Tgt Ion:130 Resp: 4858
Ion Ratio Lower Upper
130 100
95 112.8 0.0 205.0

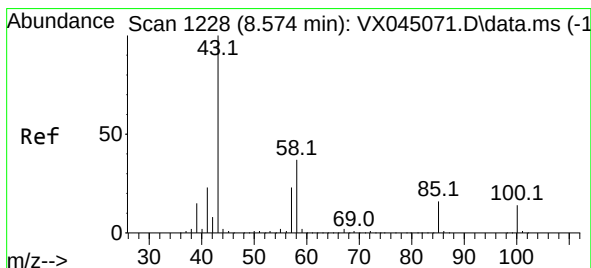
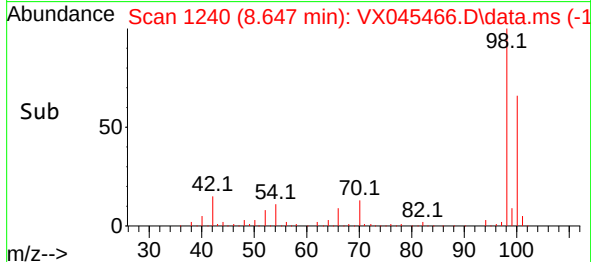
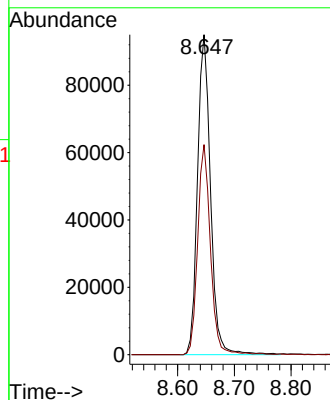
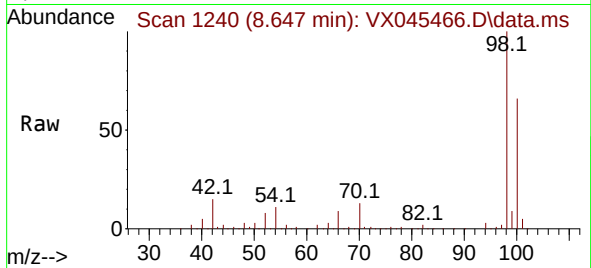




#50
Toluene-d8
Concen: 46.418 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045466.D
Acq: 26 Mar 2025 13:43

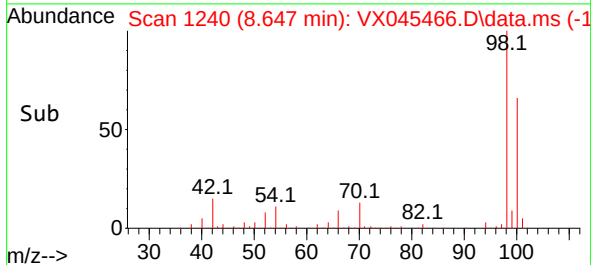
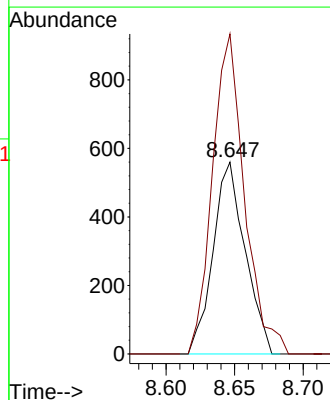
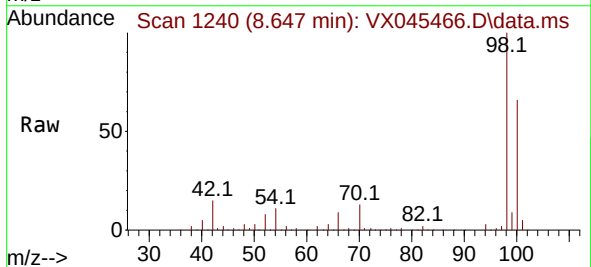
Instrument :
MSVOA_X
ClientSampleId :
TT188S1-20250320

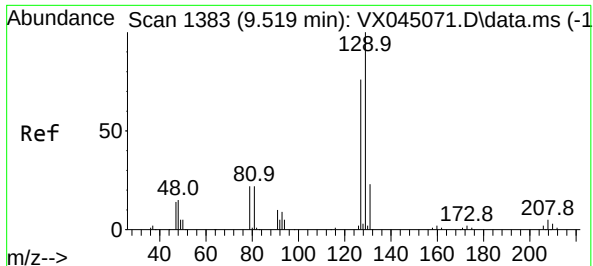
Tgt Ion: 98 Resp: 151229
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.578 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX045466.D
Acq: 26 Mar 2025 13:43

Tgt Ion: 43 Resp: 912
Ion Ratio Lower Upper
43 100
58 166.6 29.2 43.8#

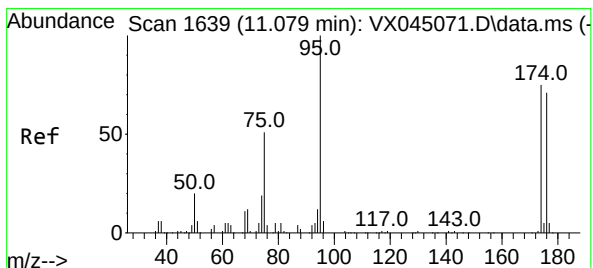
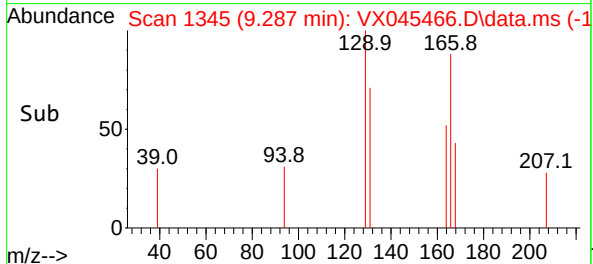
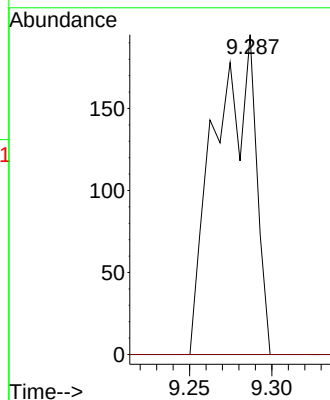
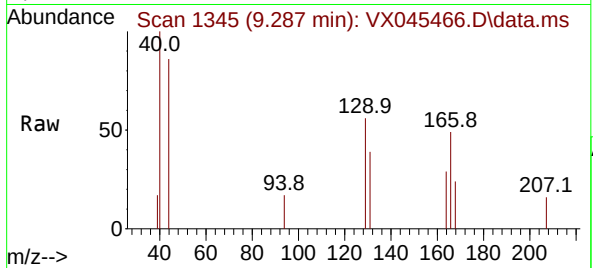




#60
Dibromochloromethane
Concen: 0.339 ug/l
RT: 9.287 min Scan# 11
Delta R.T. -0.232 min
Lab File: VX045466.D
Acq: 26 Mar 2025 13:43

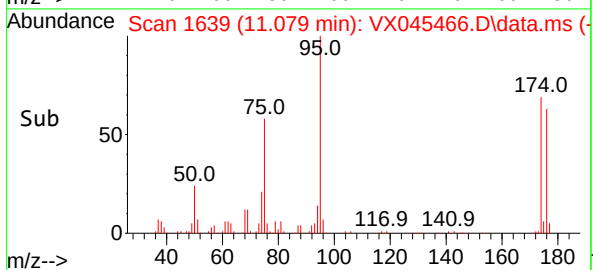
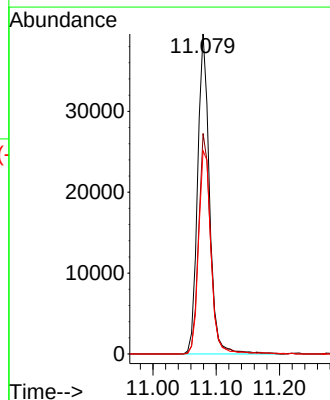
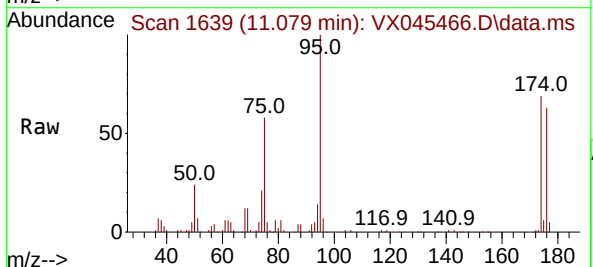
Instrument :
MSVOA_X
ClientSampleId :
TT188S1-20250320

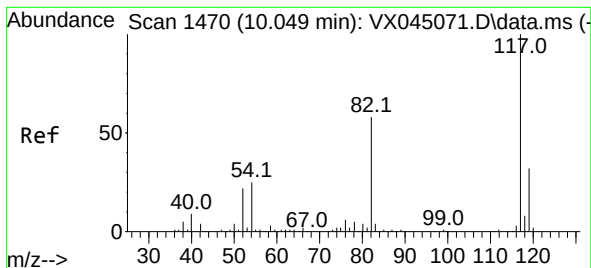
Tgt Ion:129 Resp: 333
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 47.779 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045466.D
Acq: 26 Mar 2025 13:43

Tgt Ion: 95 Resp: 51582
Ion Ratio Lower Upper
95 100
174 69.6 0.0 148.2
176 66.5 0.0 141.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX045466.D

Acq: 26 Mar 2025 13:43

Instrument :

MSVOA_X

ClientSampleId :

TT188S1-20250320

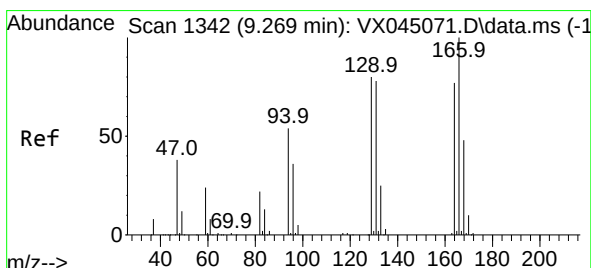
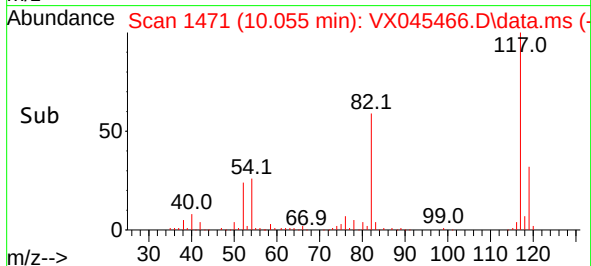
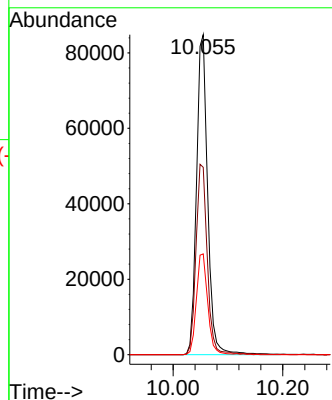
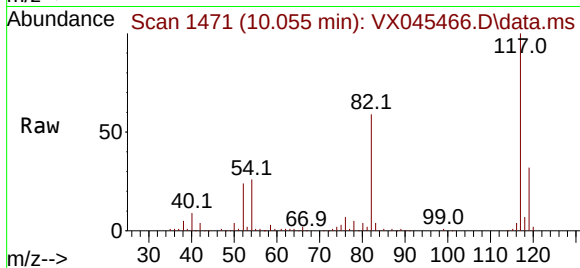
Tgt Ion:117 Resp: 120469

Ion Ratio Lower Upper

117 100

82 58.5 46.3 69.5

119 31.5 25.7 38.5



#64

Tetrachloroethene

Concen: 0.333 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX045466.D

Acq: 26 Mar 2025 13:43

Tgt Ion:164 Resp: 257

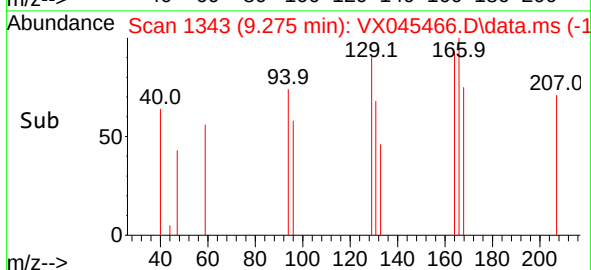
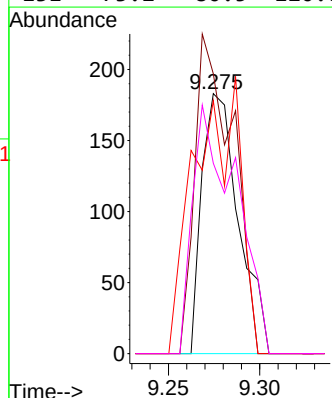
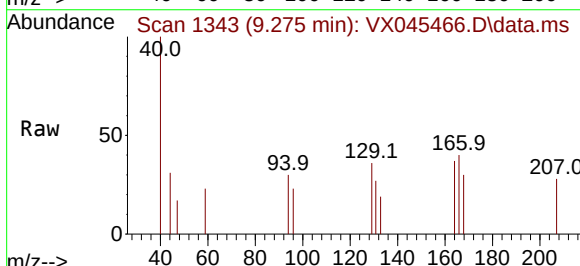
Ion Ratio Lower Upper

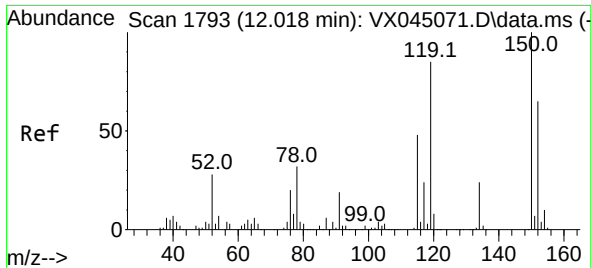
164 100

166 107.7 103.6 155.4

129 97.3 82.7 124.1

131 73.2 80.5 120.7#

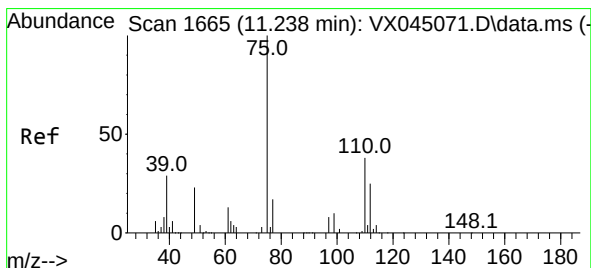
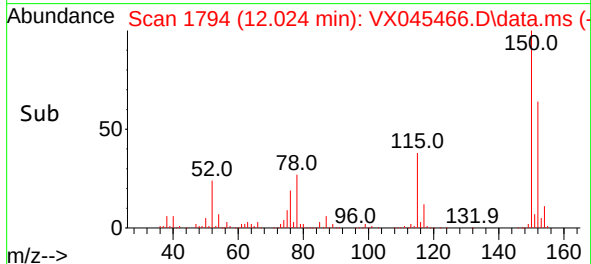
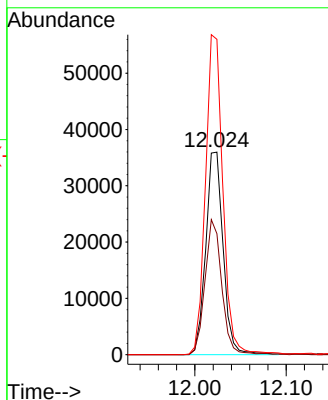
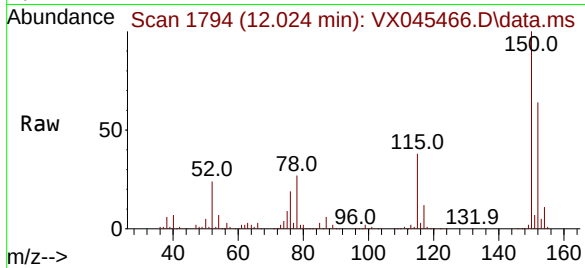




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX045466.D
 Acq: 26 Mar 2025 13:43

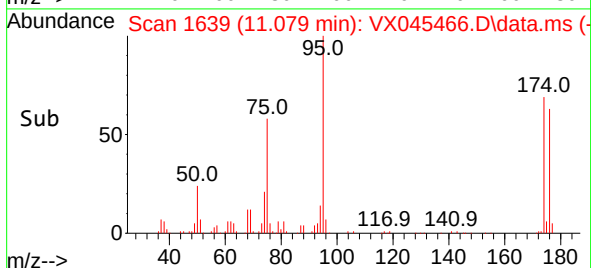
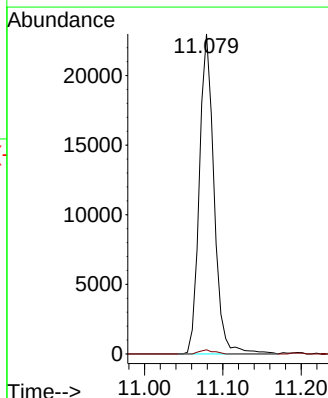
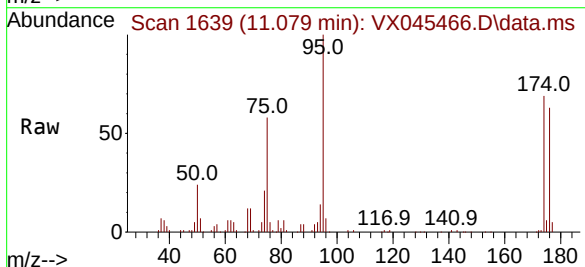
Instrument :
 MSVOA_X
 ClientSampleId :
 TT188S1-20250320

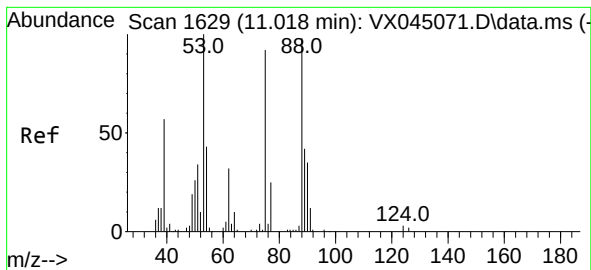
Tgt Ion:152 Resp: 47673
 Ion Ratio Lower Upper
 152 100
 115 64.2 44.2 132.6
 150 157.6 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 27.004 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045466.D
 Acq: 26 Mar 2025 13:43

Tgt Ion: 75 Resp: 29964
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.7 62.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.414 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045466.D
 Acq: 26 Mar 2025 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 TT188S1-20250320

Tgt Ion: 75 Resp: 29964
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.0 36.2 54.4#

