

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021724\
 Data File : VX040313.D
 Acq On : 17 Feb 2024 19:20
 Operator : JC/MD
 Sample : P1507-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D2-20240215

Quant Time: Feb 19 04:01:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

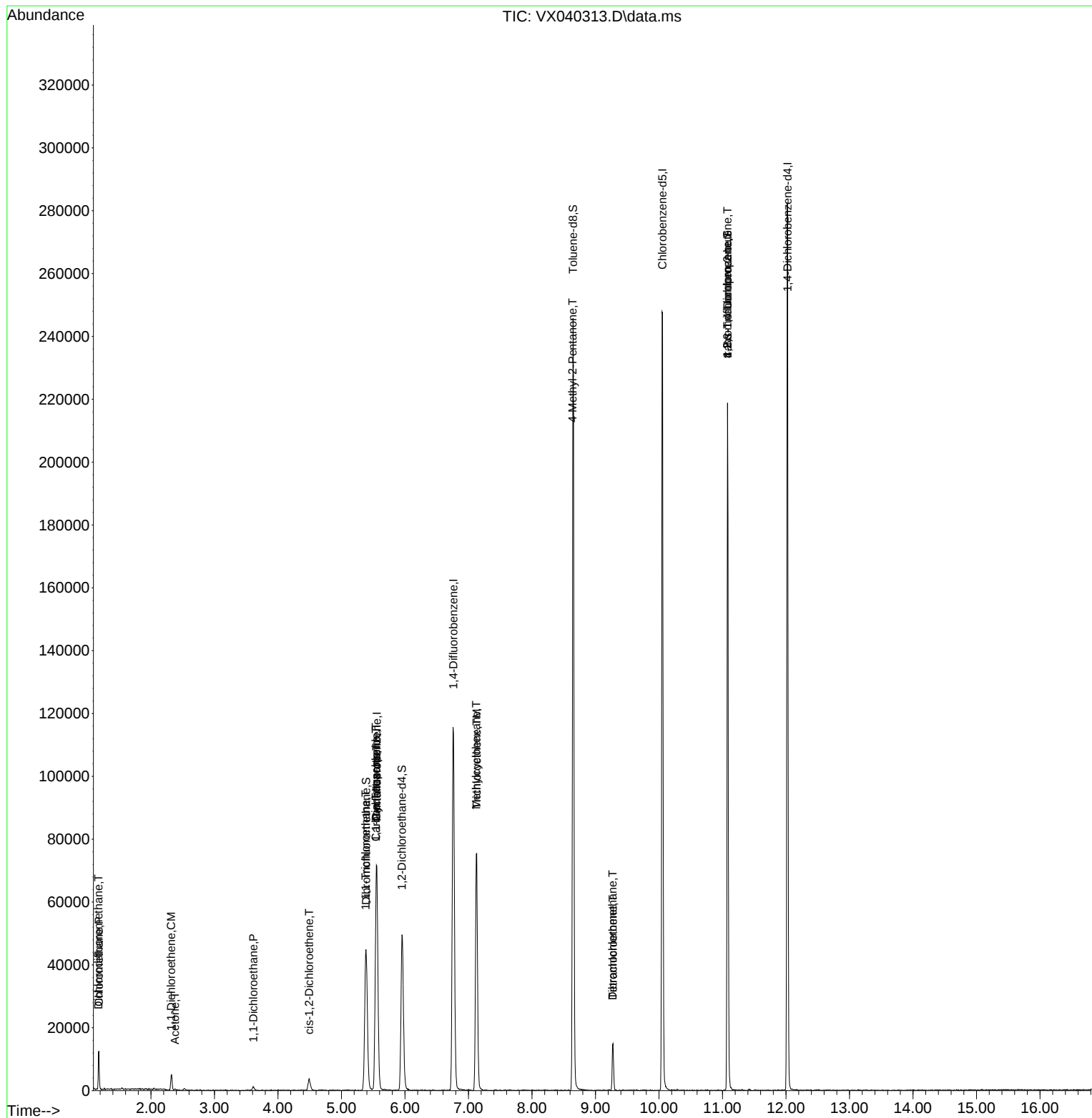
Internal Standards						
1) Pentafluorobenzene	5.556	168	70148	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	120415	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	116472	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59058	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	47645	45.655	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.300%		
35) Dibromofluoromethane	5.385	113	39607	47.100	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.200%		
50) Toluene-d8	8.647	98	143786	45.710	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.420%#		
62) 4-Bromofluorobenzene	11.079	95	55522	43.278	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.560%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.173	85	164	0.207	ug/l	# 41
3) Chloromethane	1.179	50	573	0.701	ug/l	# 80
12) 1,1-Dichloroethene	2.319	96	1662	2.321	ug/l	82
16) Acetone	2.380	43	426	0.994	ug/l	# 56
24) 1,1-Dichloroethane	3.611	63	1417	0.965	ug/l	# 83
27) cis-1,2-Dichloroethene	4.489	96	2340	2.515	ug/l	83
31) Cyclohexane	5.550	56	1693	1.360	ug/l	# 25
32) 1,1,1-Trichloroethane	5.379	97	775	0.580	ug/l	# 49
36) 1,1-Dichloropropene	5.544	75	5496	4.666	ug/l	# 49
38) Carbon Tetrachloride	5.544	117	6953	6.208	ug/l	# 14
39) Methylcyclohexane	7.123	83	326	0.238	ug/l	# 1
44) Trichloroethene	7.129	130	29322	32.269	ug/l	94
51) 4-Methyl-2-Pentanone	8.641	43	641	0.459	ug/l	# 1
60) Dibromochloromethane	9.269	129	2805	2.992	ug/l	# 11
64) Tetrachloroethene	9.275	164	2859	3.503	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	29565	24.721	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	29565	68.041	ug/l	# 5

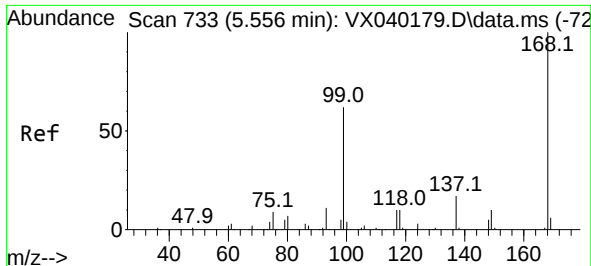
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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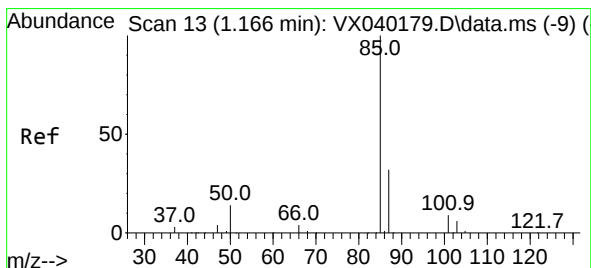
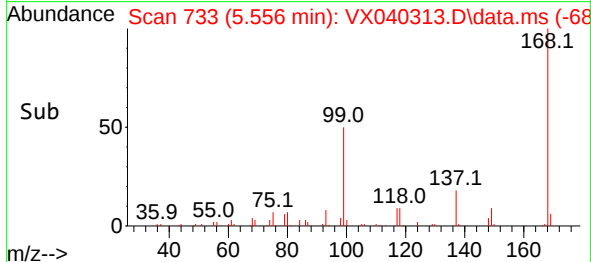
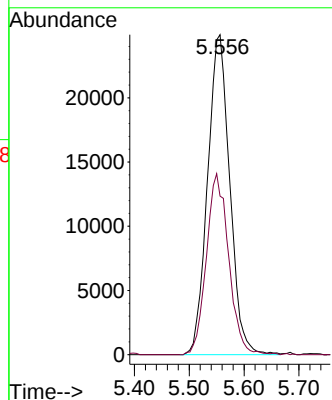
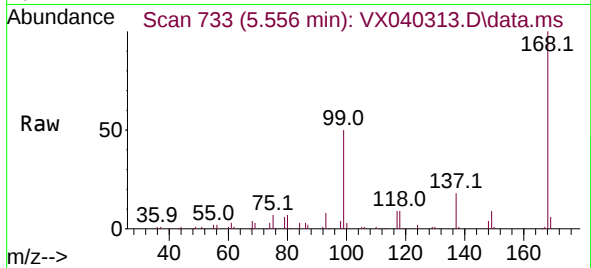




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040313.D
Acq: 17 Feb 2024 19:20

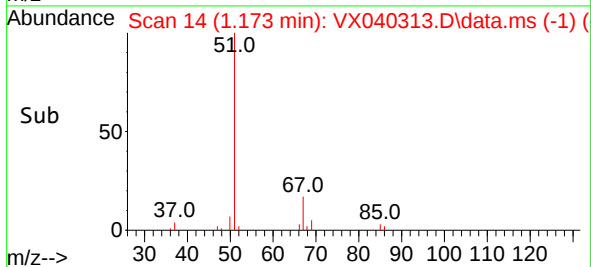
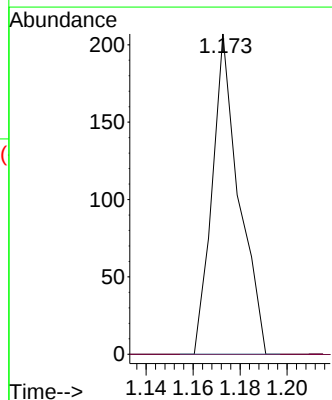
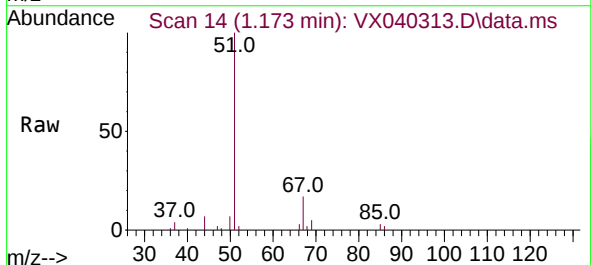
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20240215

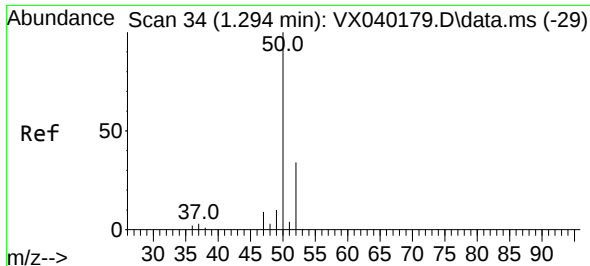
Tgt Ion:168 Resp: 70148
Ion Ratio Lower Upper
168 100
99 49.6 56.6 85.0#



#2
Dichlorodifluoromethane
Concen: 0.207 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX040313.D
Acq: 17 Feb 2024 19:20

Tgt Ion: 85 Resp: 164
Ion Ratio Lower Upper
85 100
87 0.0 16.7 50.1#

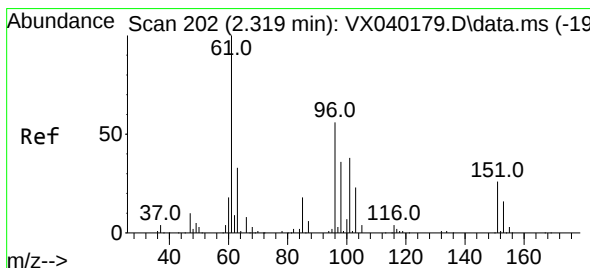
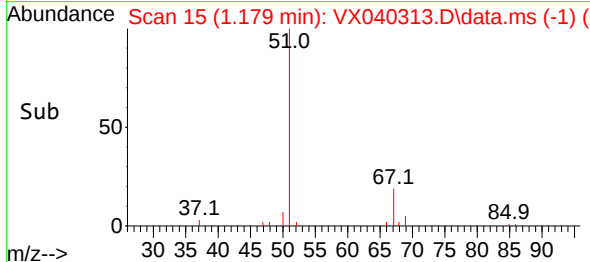
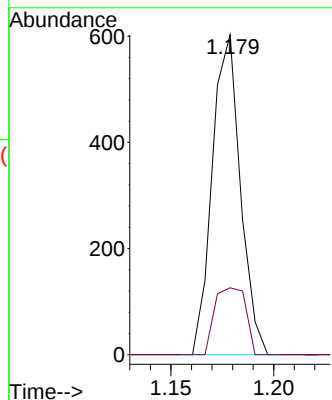
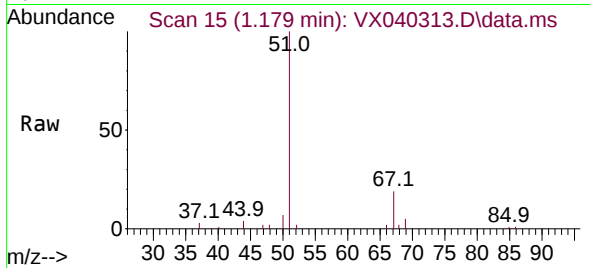




#3
Chloromethane
Concen: 0.701 ug/l
RT: 1.179 min Scan# 11
Delta R.T. -0.116 min
Lab File: VX040313.D
Acq: 17 Feb 2024 19:20

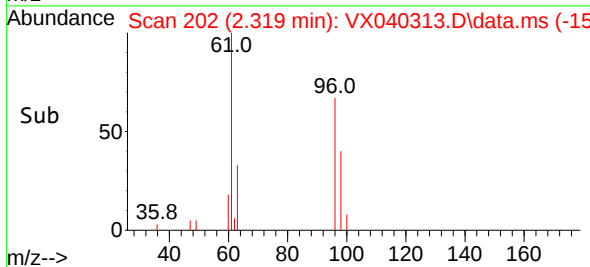
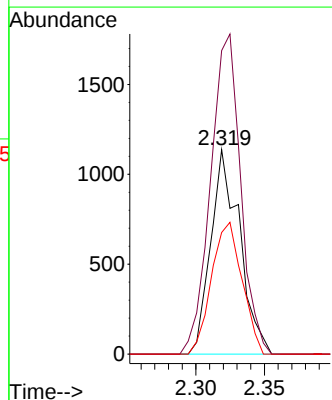
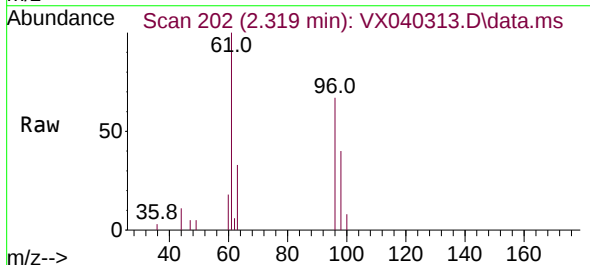
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20240215

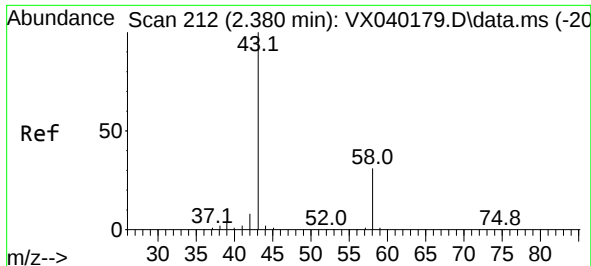
Tgt Ion: 50 Resp: 573
Ion Ratio Lower Upper
50 100
52 20.9 25.5 38.3#



#12
1,1-Dichloroethene
Concen: 2.321 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX040313.D
Acq: 17 Feb 2024 19:20

Tgt Ion: 96 Resp: 1662
Ion Ratio Lower Upper
96 100
61 148.5 144.6 216.8
98 59.5 50.4 75.6

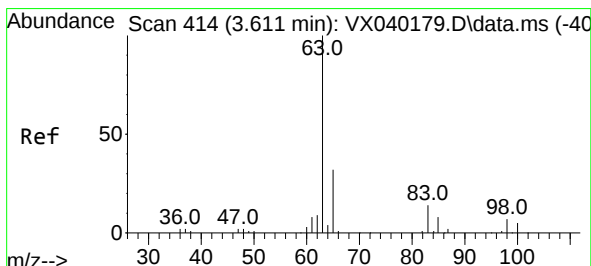
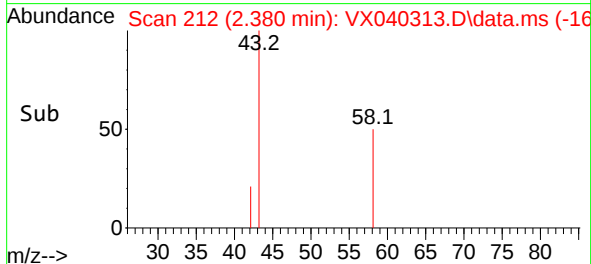
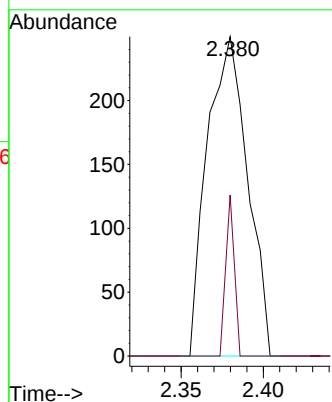
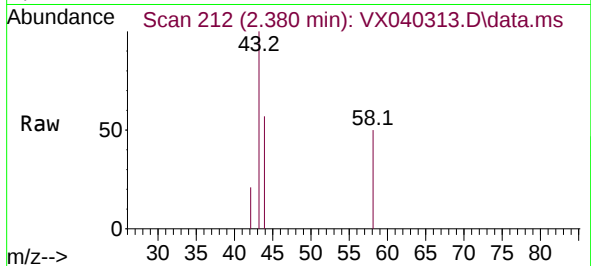




#16
Acetone
Concen: 0.994 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040313.D
Acq: 17 Feb 2024 19:20

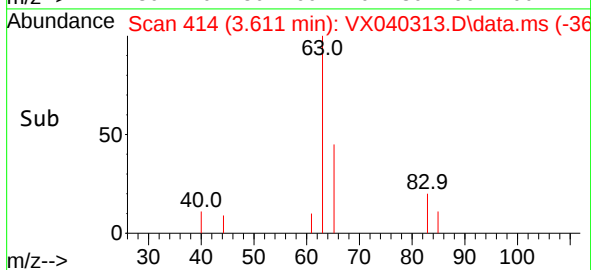
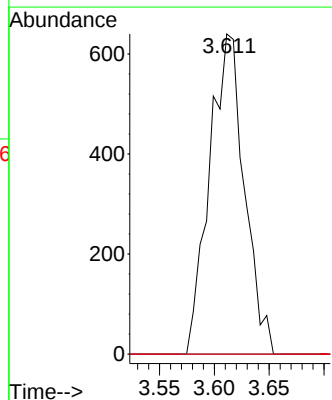
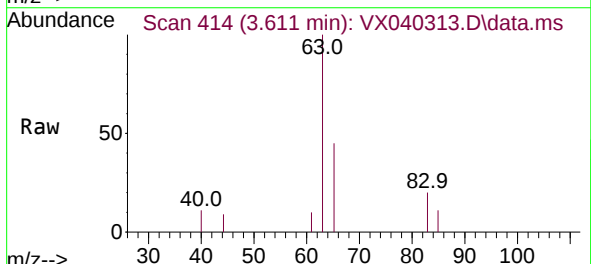
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20240215

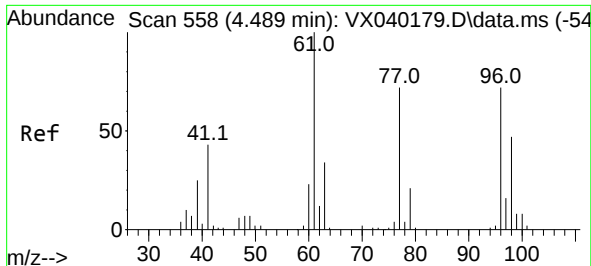
Tgt Ion: 43 Resp: 426
Ion Ratio Lower Upper
43 100
58 50.4 21.9 32.9#



#24
1,1-Dichloroethane
Concen: 0.965 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX040313.D
Acq: 17 Feb 2024 19:20

Tgt Ion: 63 Resp: 1417
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.8#
100 0.0 2.1 6.5#





#27

cis-1,2-Dichloroethene

Concen: 2.515 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX040313.D

Acq: 17 Feb 2024 19:20

Instrument :

MSVOA_X

ClientSampleId :

MW179D2-20240215

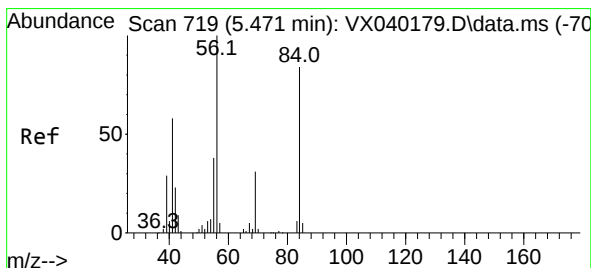
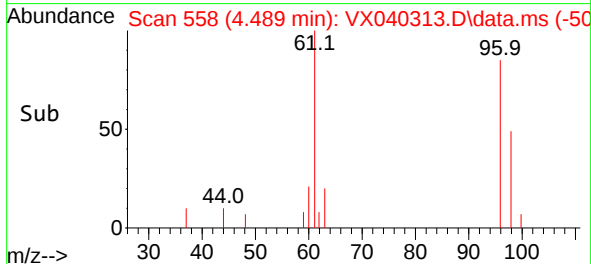
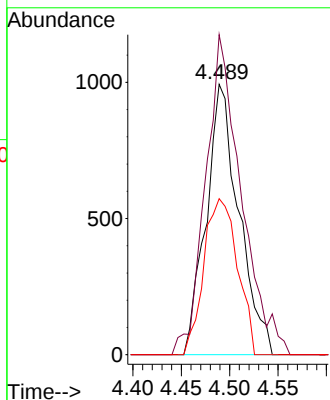
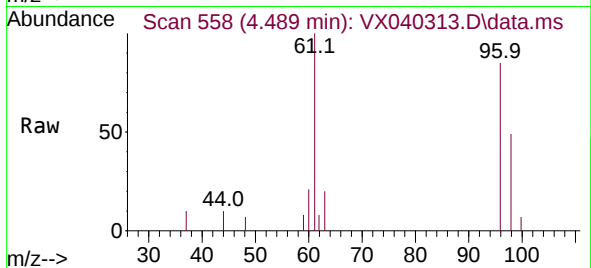
Tgt Ion: 96 Resp: 2340

Ion Ratio Lower Upper

96 100

61 128.7 0.0 312.2

98 59.2 0.0 129.0



#31

Cyclohexane

Concen: 1.360 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX040313.D

Acq: 17 Feb 2024 19:20

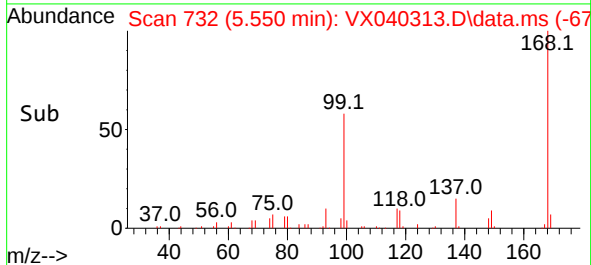
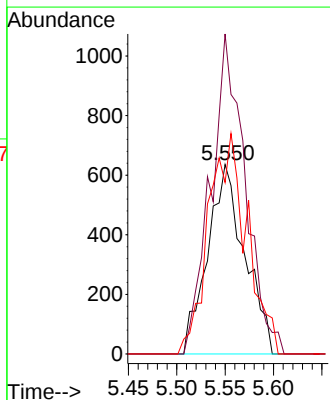
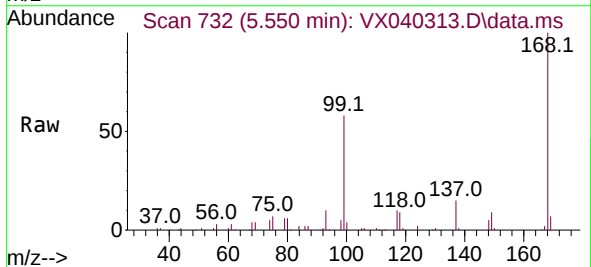
Tgt Ion: 56 Resp: 1693

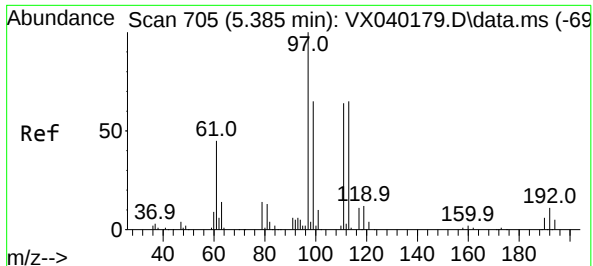
Ion Ratio Lower Upper

56 100

69 168.9 23.4 35.2#

84 90.6 65.9 98.9

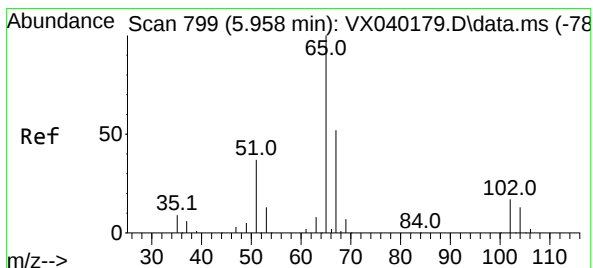
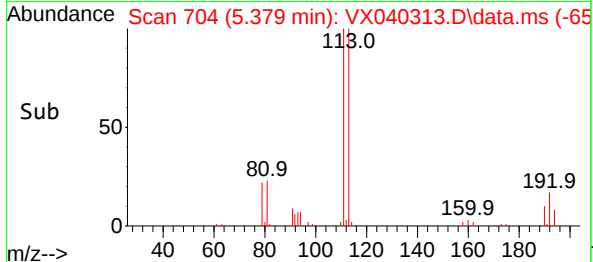
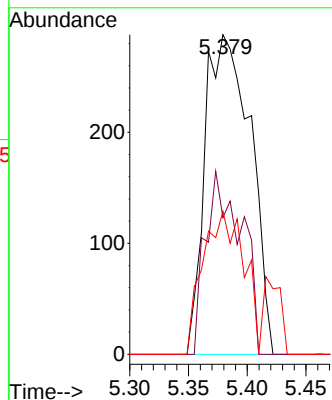
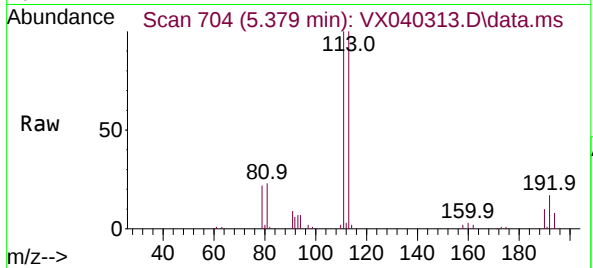




#32
1,1,1-Trichloroethane
Concen: 0.580 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX040313.D
Acq: 17 Feb 2024 19:20

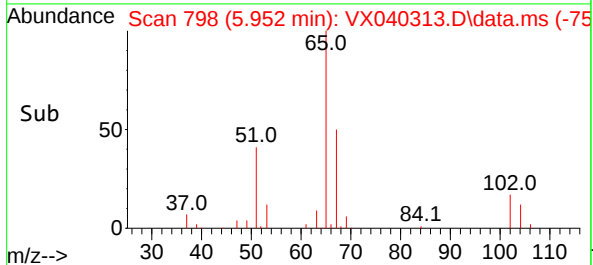
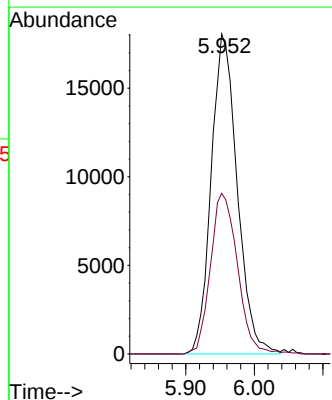
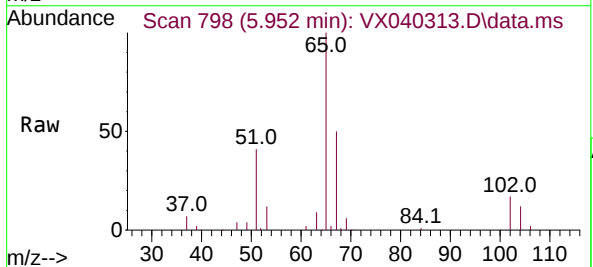
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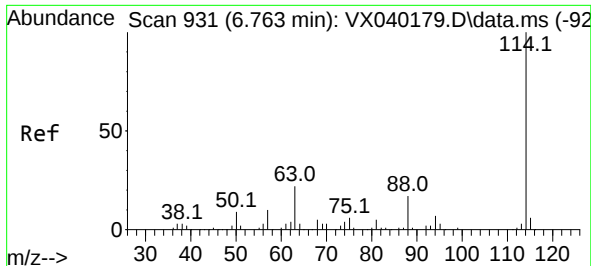
Tgt Ion: 97 Resp: 775
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 40.5 36.4 54.6



#33
1,2-Dichloroethane-d4
Concen: 45.655 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX040313.D
Acq: 17 Feb 2024 19:20

Tgt Ion: 65 Resp: 47645
Ion Ratio Lower Upper
65 100
67 52.2 0.0 100.2

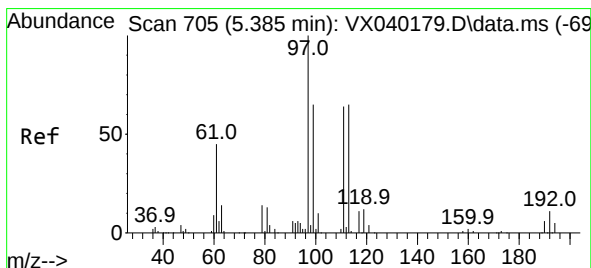
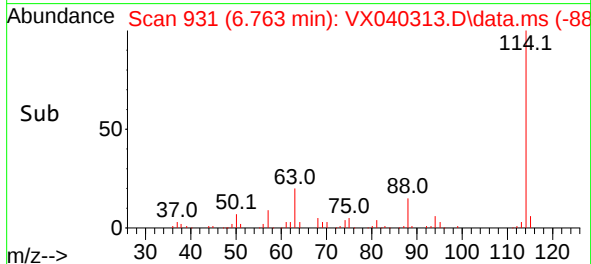
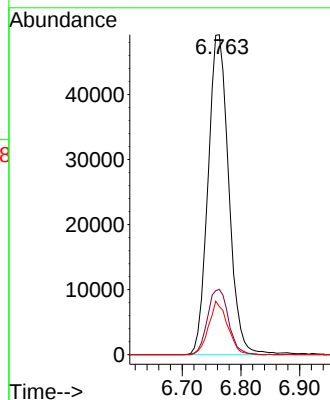
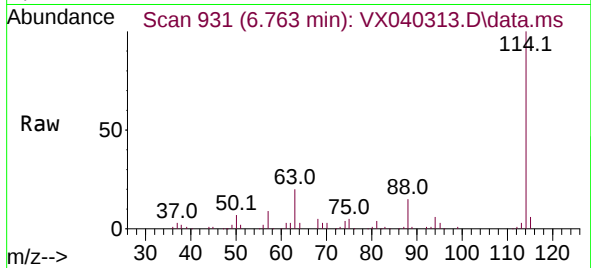




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX040313.D
Acq: 17 Feb 2024 19:20

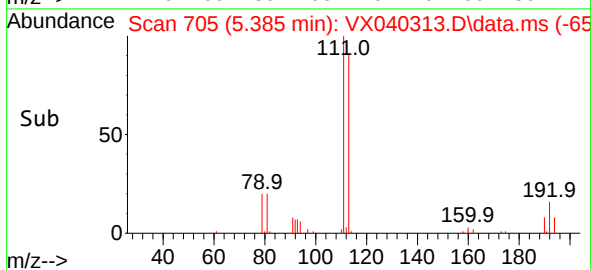
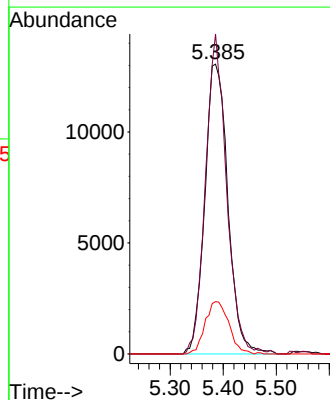
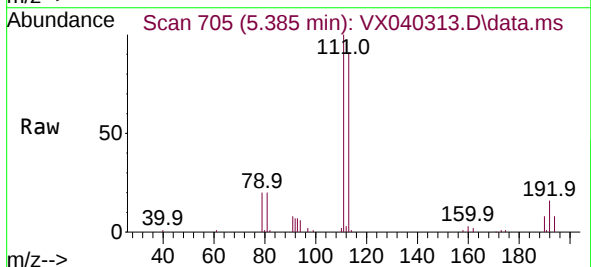
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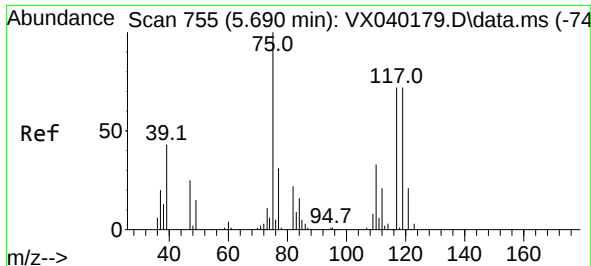
Tgt Ion:114 Resp: 120415
Ion Ratio Lower Upper
114 100
63 20.4 0.0 45.0
88 15.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.100 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040313.D
Acq: 17 Feb 2024 19:20

Tgt Ion:113 Resp: 39607
Ion Ratio Lower Upper
113 100
111 100.7 82.9 124.3
192 18.5 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.666 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.152 min

Lab File: VX040313.D

Acq: 17 Feb 2024 19:20

Instrument :

MSVOA_X

ClientSampleId :

MW179D2-20240215

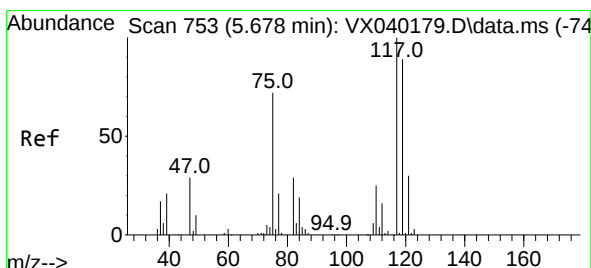
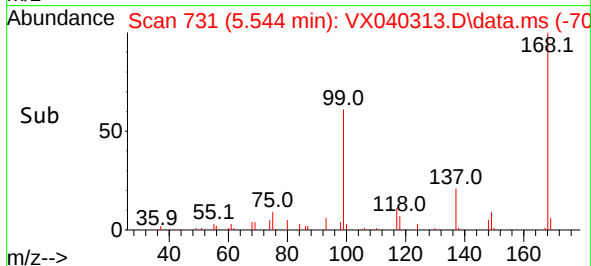
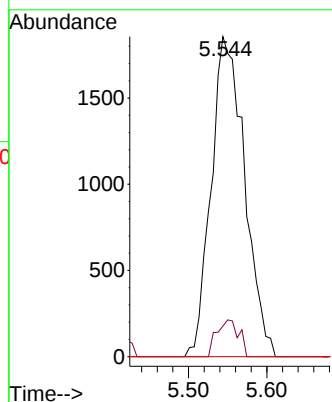
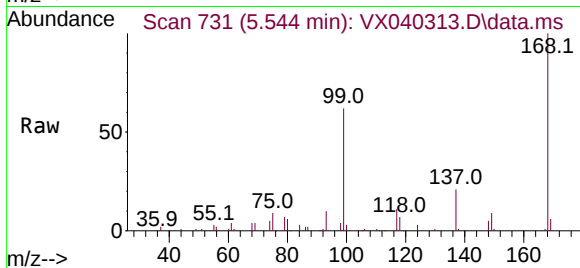
Tgt Ion: 75 Resp: 5496

Ion Ratio Lower Upper

75 100

110 7.6 17.0 50.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.208 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX040313.D

Acq: 17 Feb 2024 19:20

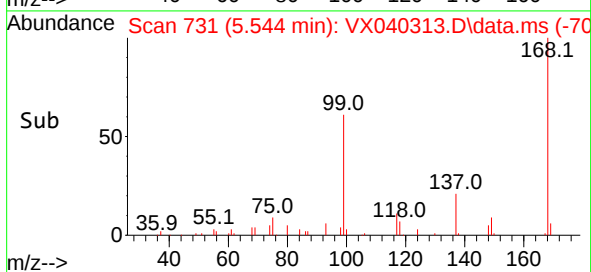
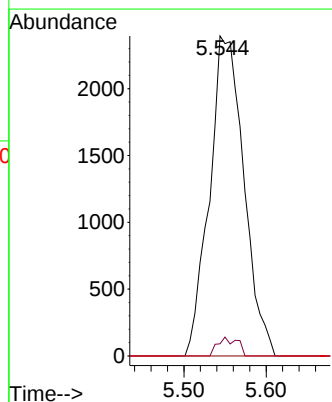
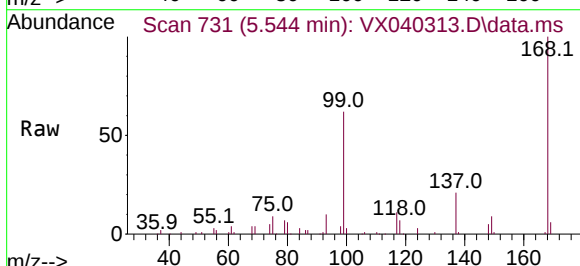
Tgt Ion: 117 Resp: 6953

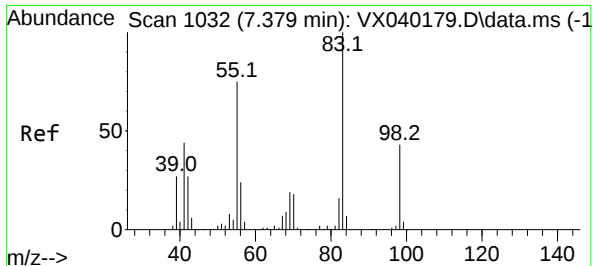
Ion Ratio Lower Upper

117 100

119 3.8 78.2 117.2#

121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.238 ug/l

RT: 7.123 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX040313.D

Acq: 17 Feb 2024 19:20

Instrument :

MSVOA_X

ClientSampleId :

MW179D2-20240215

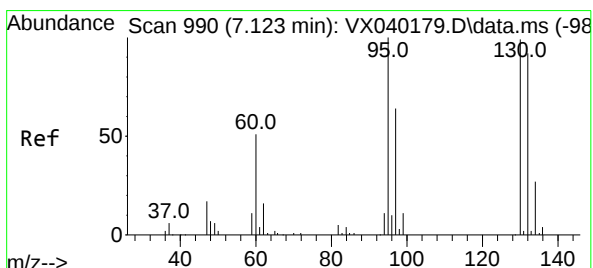
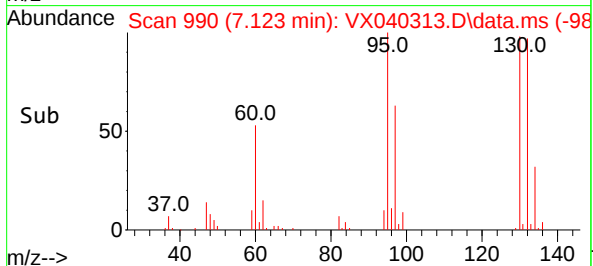
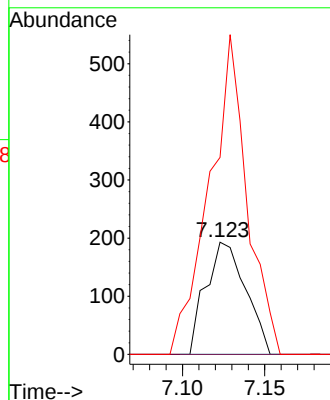
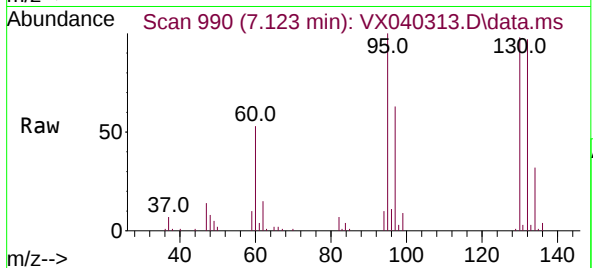
Tgt Ion: 83 Resp: 326

Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 175.6 36.7 55.1#



#44

Trichloroethene

Concen: 32.269 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX040313.D

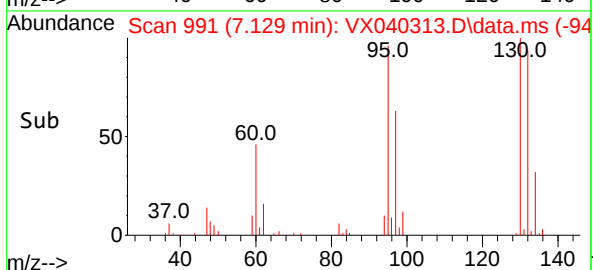
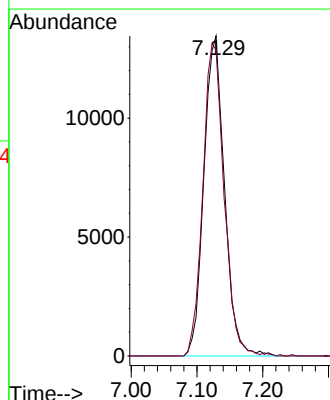
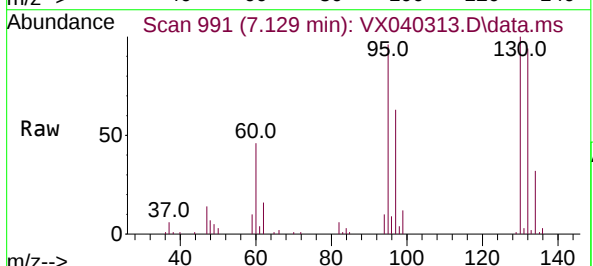
Acq: 17 Feb 2024 19:20

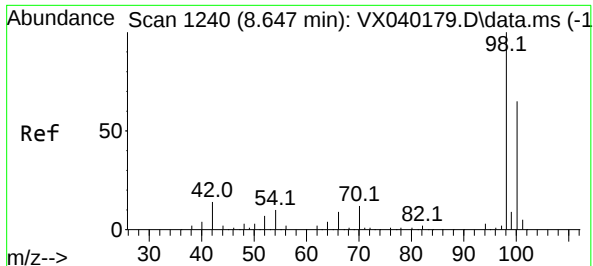
Tgt Ion:130 Resp: 29322

Ion Ratio Lower Upper

130 100

95 95.7 0.0 204.4





#50

Toluene-d8

Concen: 45.710 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX040313.D

Acq: 17 Feb 2024 19:20

Instrument :

MSVOA_X

ClientSampleId :

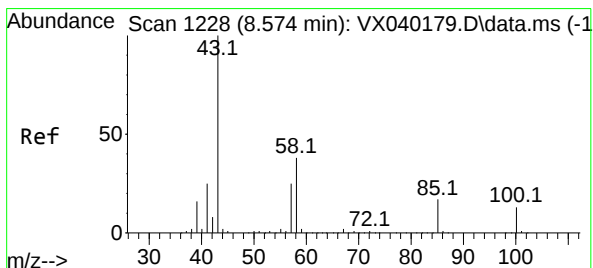
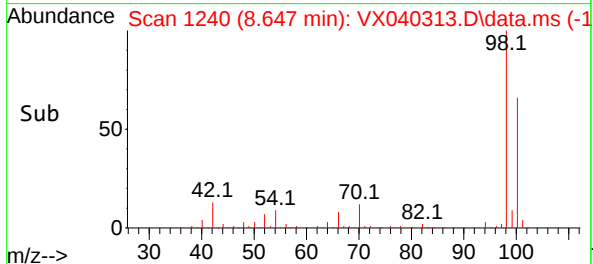
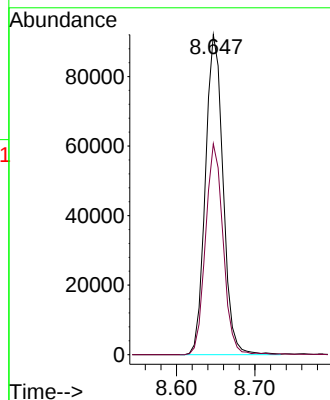
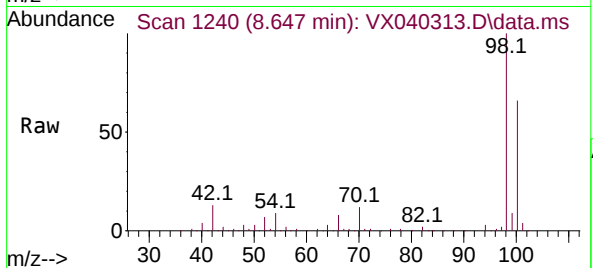
MW179D2-20240215

Tgt Ion: 98 Resp: 143786

Ion Ratio Lower Upper

98 100

100 65.7 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.459 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.067 min

Lab File: VX040313.D

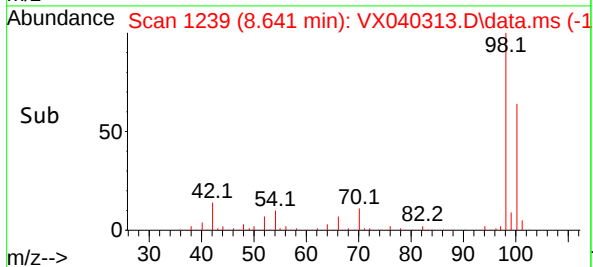
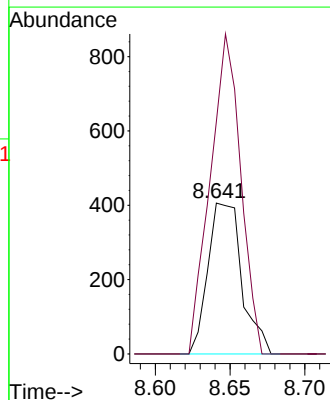
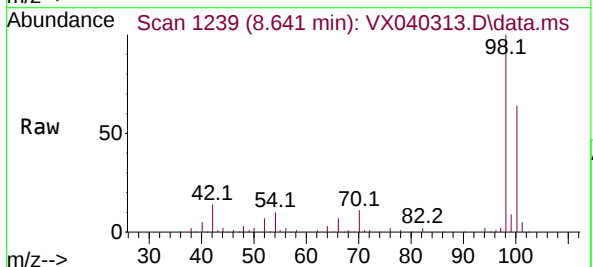
Acq: 17 Feb 2024 19:20

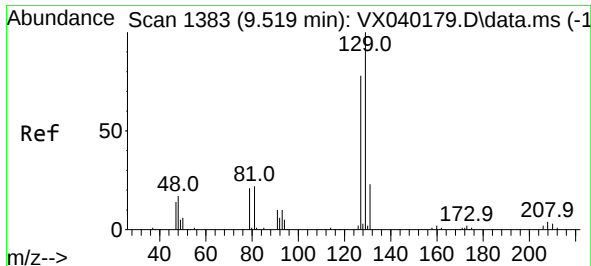
Tgt Ion: 43 Resp: 641

Ion Ratio Lower Upper

43 100

58 190.5 30.4 45.6#

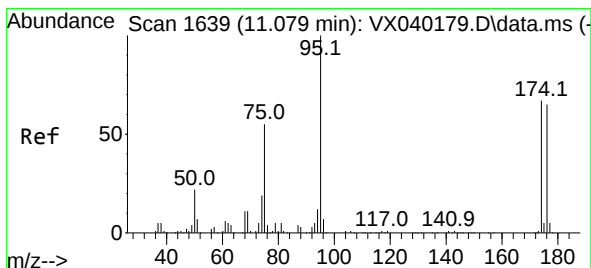
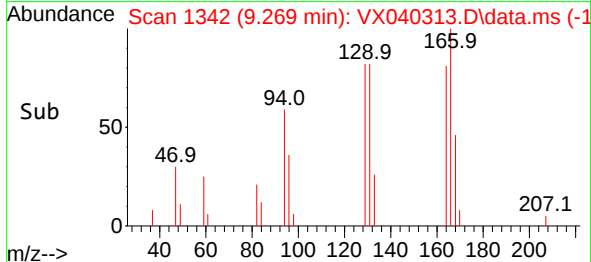
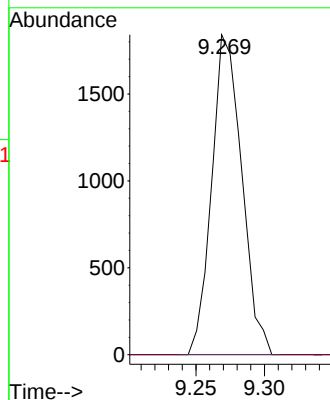
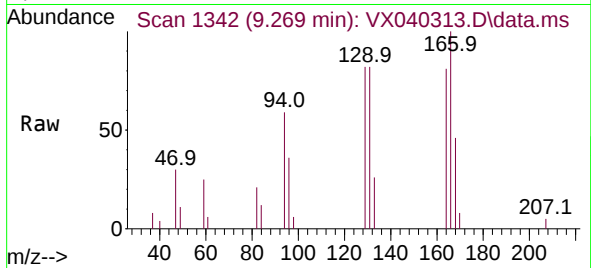




#60
Dibromochloromethane
Concen: 2.992 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX040313.D
Acq: 17 Feb 2024 19:20

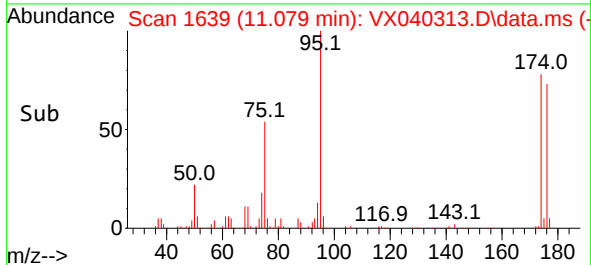
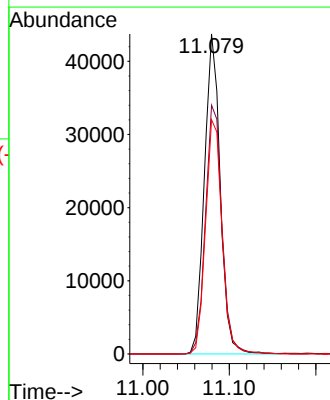
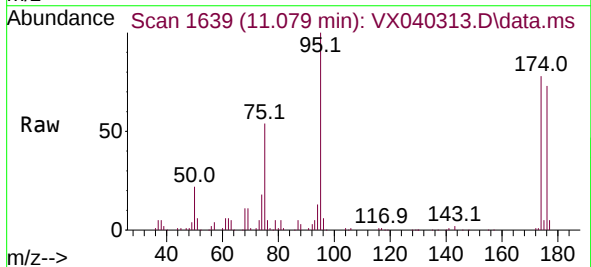
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20240215

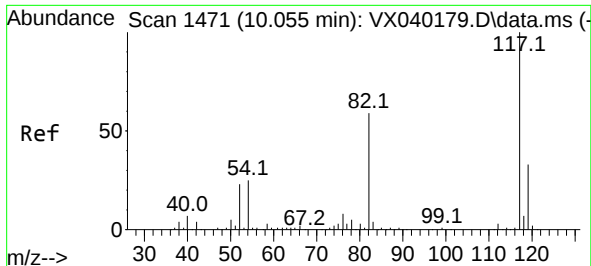
Tgt Ion:129 Resp: 2805
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 43.278 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040313.D
Acq: 17 Feb 2024 19:20

Tgt Ion: 95 Resp: 55522
Ion Ratio Lower Upper
95 100
174 81.4 0.0 135.6
176 76.3 0.0 131.0

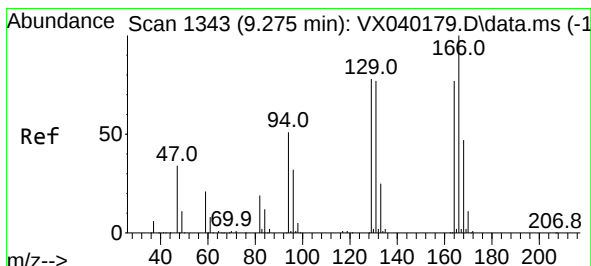
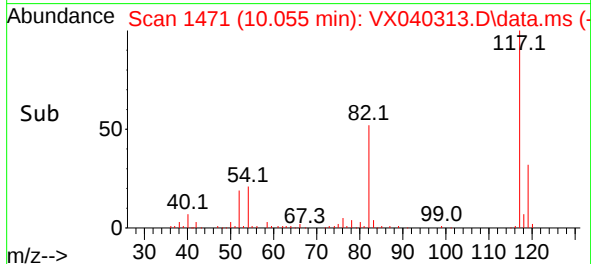
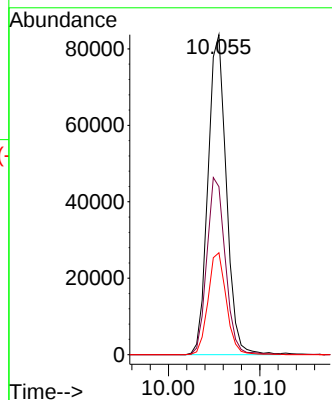
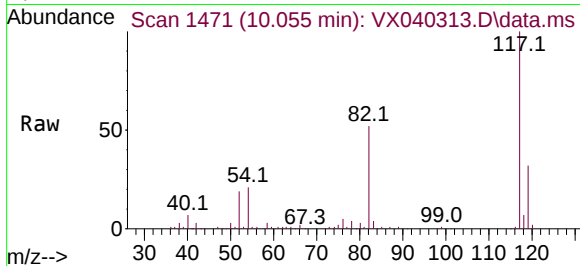




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040313.D
Acq: 17 Feb 2024 19:20

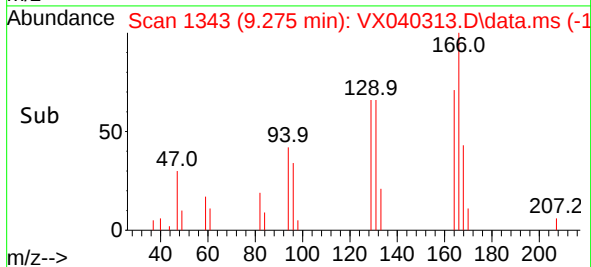
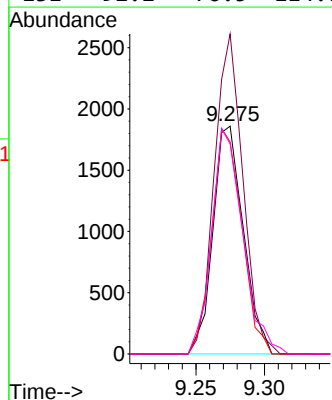
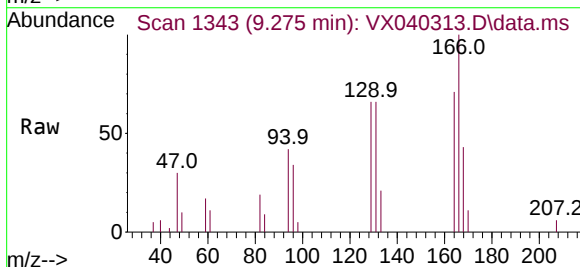
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20240215

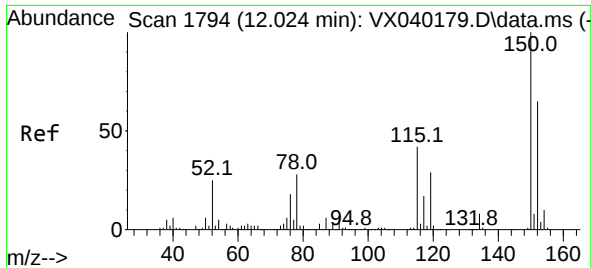
Tgt Ion:117	Resp:	116472
Ion	Ratio	Lower Upper
117	100	
82	52.5	46.2 69.4
119	31.8	25.5 38.3



#64
Tetrachloroethene
Concen: 3.503 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX040313.D
Acq: 17 Feb 2024 19:20

Tgt Ion:164	Resp:	2859
Ion	Ratio	Lower Upper
164	100	
166	140.4	102.7 154.1
129	93.1	80.4 120.6
131	92.2	76.5 114.7

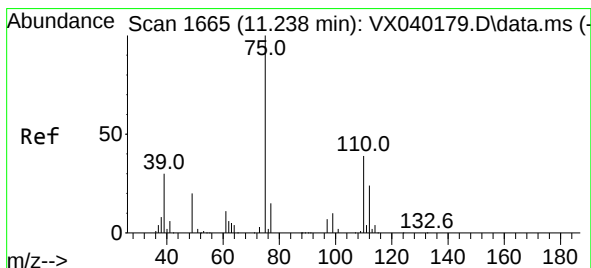
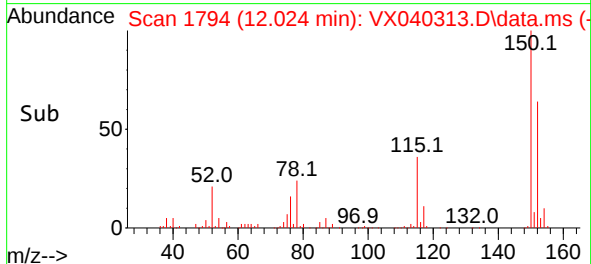
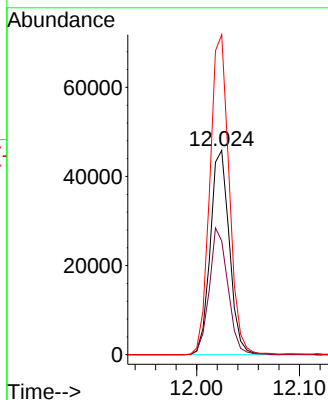
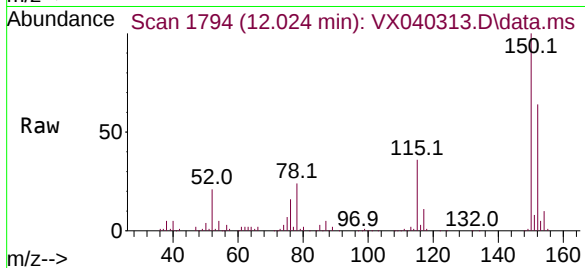




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX040313.D
 Acq: 17 Feb 2024 19:20

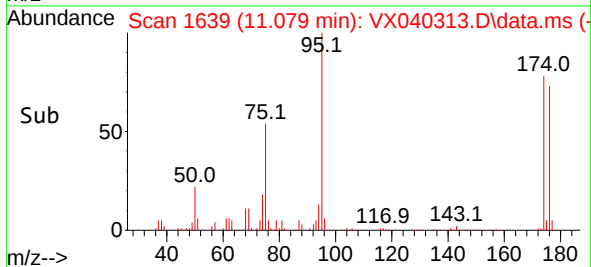
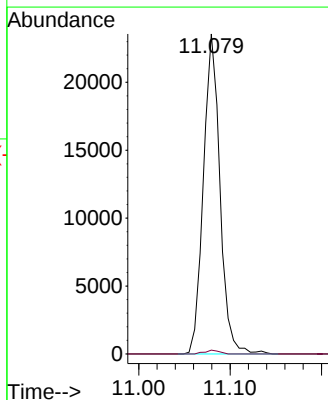
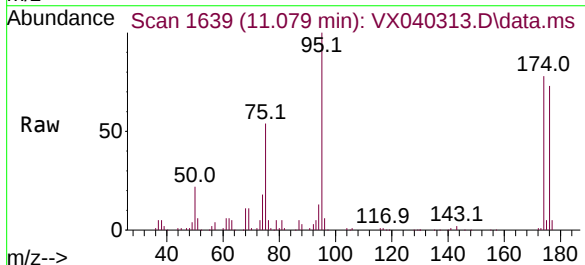
Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D2-20240215

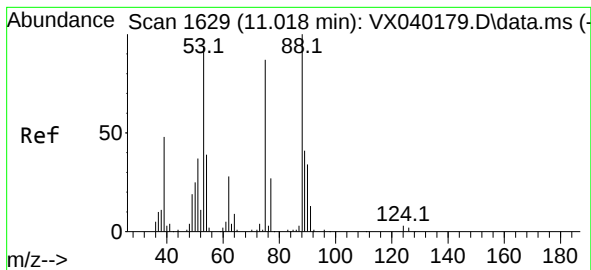
Tgt Ion:152 Resp: 59058
 Ion Ratio Lower Upper
 152 100
 115 60.4 43.3 129.9
 150 157.7 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 24.721 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX040313.D
 Acq: 17 Feb 2024 19:20

Tgt Ion: 75 Resp: 29565
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.041 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX040313.D
 Acq: 17 Feb 2024 19:20

Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D2-20240215

Tgt Ion: 75 Resp: 29565
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

