

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021624\
 Data File : VX040283.D
 Acq On : 16 Feb 2024 17:02
 Operator : JC/MD
 Sample : P1507-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D-20240215

Quant Time: Feb 17 01:38:58 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)

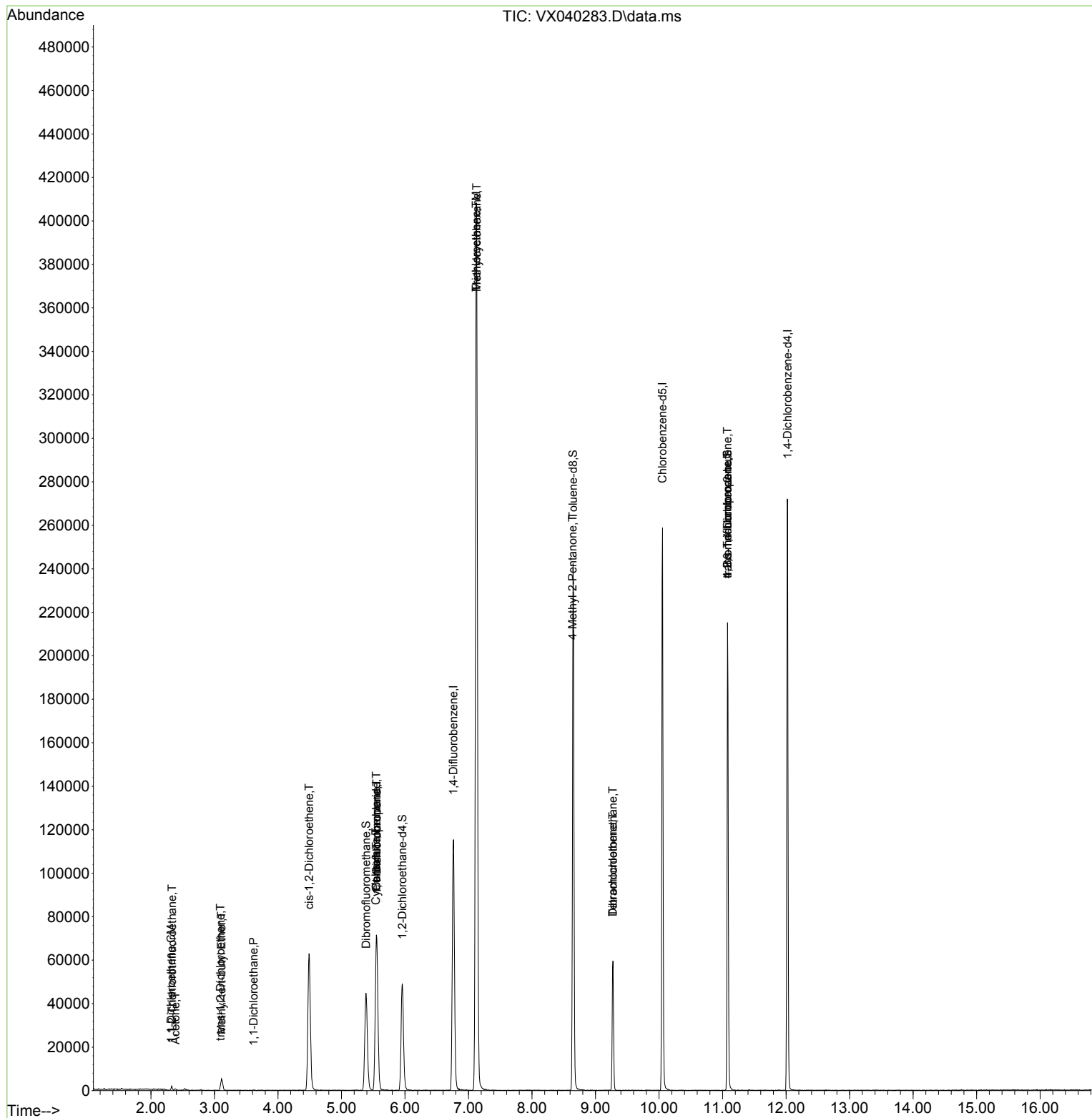
Internal Standards						
1) Pentafluorobenzene	5.550	168	69262	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	118515	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	112977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	58911	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	47562	46.158	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.320%
35) Dibromofluoromethane	5.385	113	37904	45.797	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.600%
50) Toluene-d8	8.647	98	144223	46.584	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.160%
62) 4-Bromofluorobenzene	11.079	95	57699	45.696	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.400%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.331	101	353	0.481	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	323	0.457	ug/l	96
16) Acetone	2.386	43	746	1.763	ug/l	91
19) Methyl tert-butyl Ether	3.111	73	5631	2.260	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	302	0.375	ug/l #	63
24) 1,1-Dichloroethane	3.617	63	319	0.220	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	39404	42.889	ug/l	85
31) Cyclohexane	5.544	56	1624	1.321	ug/l #	37
36) 1,1-Dichloropropene	5.556	75	5890	5.080	ug/l #	50
38) Carbon Tetrachloride	5.550	117	7432	6.742	ug/l #	14
39) Methylcyclohexane	7.129	83	2090	1.551	ug/l #	1
44) Trichloroethene	7.123	130	153293	171.406	ug/l	98
51) 4-Methyl-2-Pentanone	8.641	43	733	0.533	ug/l #	1
60) Dibromochloromethane	9.275	129	10992	11.911	ug/l #	11
64) Tetrachloroethene	9.275	164	11016	13.914	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	29439	24.677	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	29439	67.926	ug/l #	5

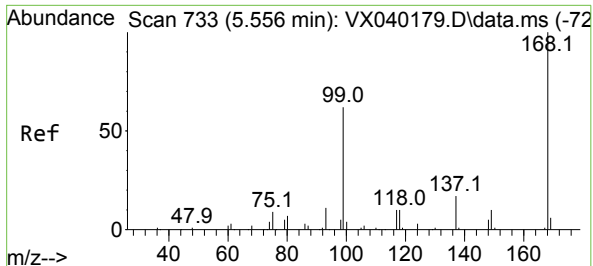
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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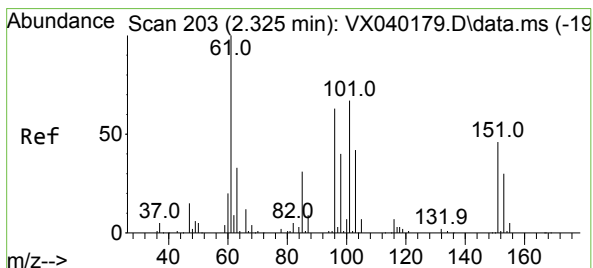
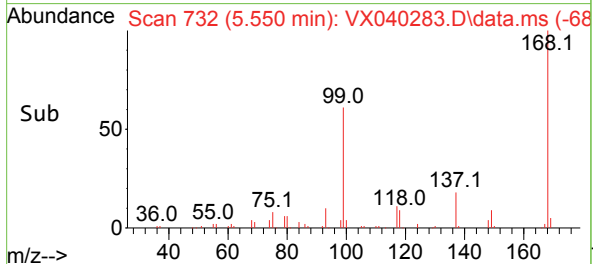
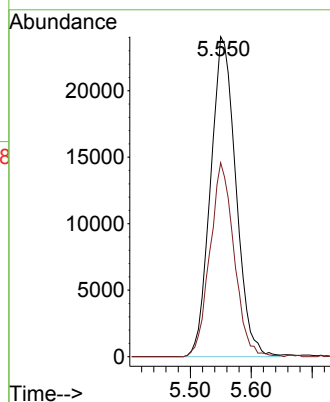
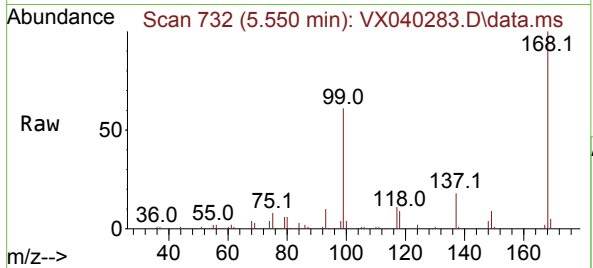




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040283.D
Acq: 16 Feb 2024 17:02

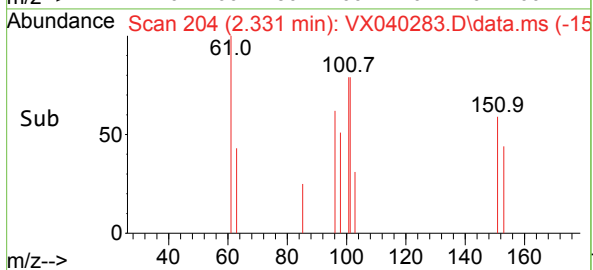
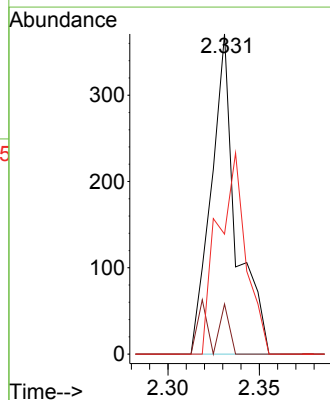
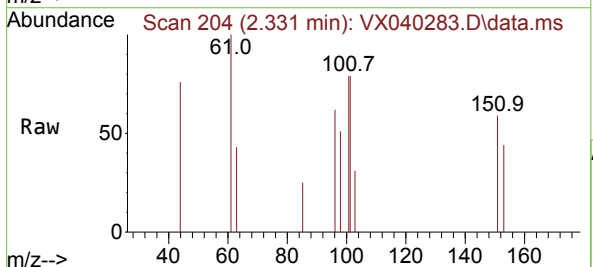
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20240215

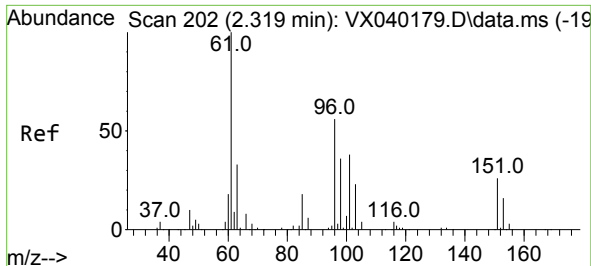
Tgt Ion:168 Resp: 69262
Ion Ratio Lower Upper
168 100
99 60.6 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.481 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX040283.D
Acq: 16 Feb 2024 17:02

Tgt Ion:101 Resp: 353
Ion Ratio Lower Upper
101 100
85 12.5 37.0 55.6#
151 70.8 58.6 87.8





#12

1,1-Dichloroethene

Concen: 0.457 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX040283.D

Acq: 16 Feb 2024 17:02

Instrument :

MSVOA_X

ClientSampleId :

MW179D-20240215

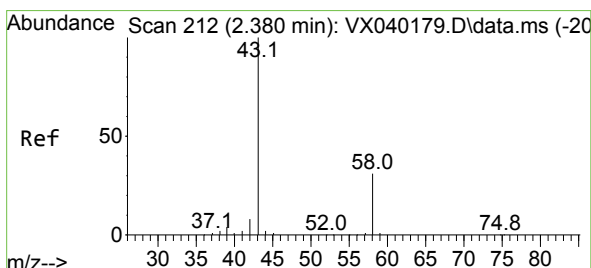
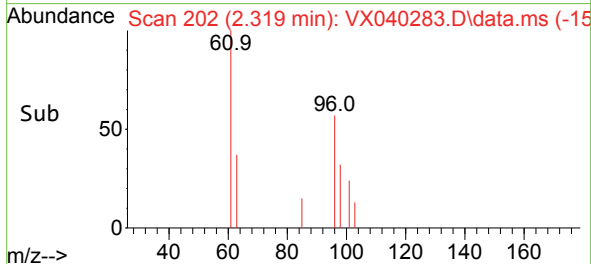
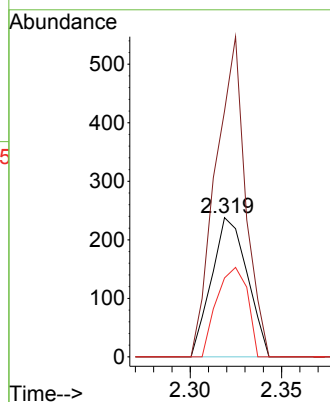
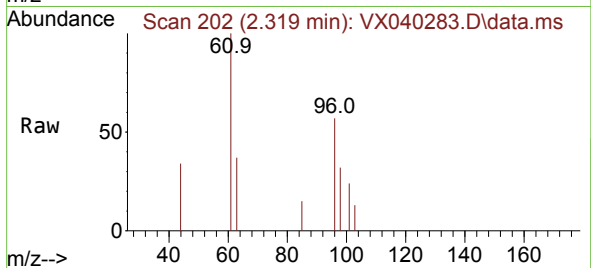
Tgt Ion: 96 Resp: 323

Ion Ratio Lower Upper

96 100

61 176.5 144.6 216.8

98 56.7 50.4 75.6



#16

Acetone

Concen: 1.763 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX040283.D

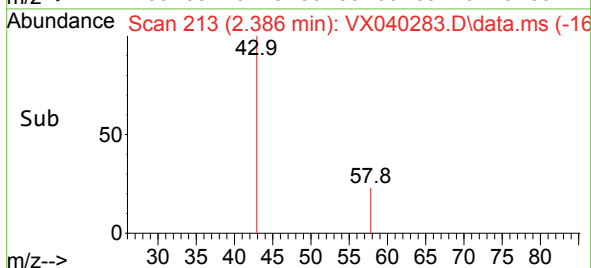
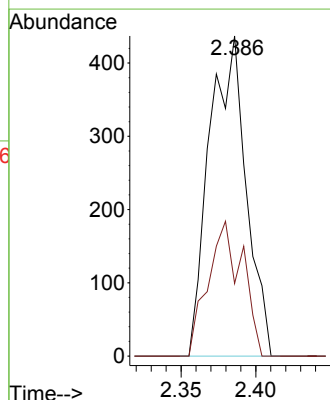
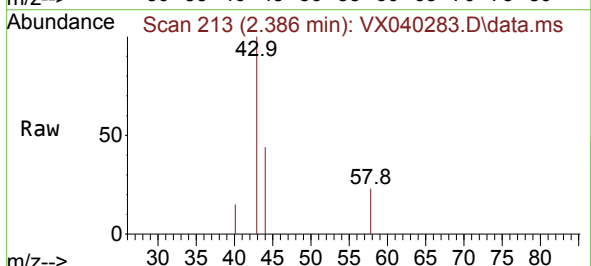
Acq: 16 Feb 2024 17:02

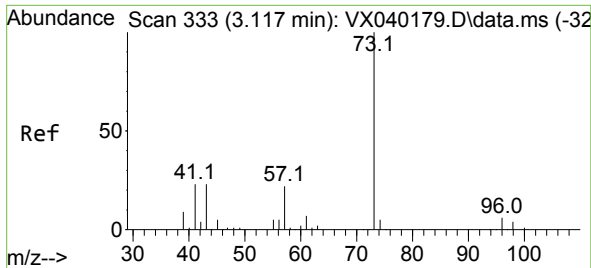
Tgt Ion: 43 Resp: 746

Ion Ratio Lower Upper

43 100

58 22.7 21.9 32.9

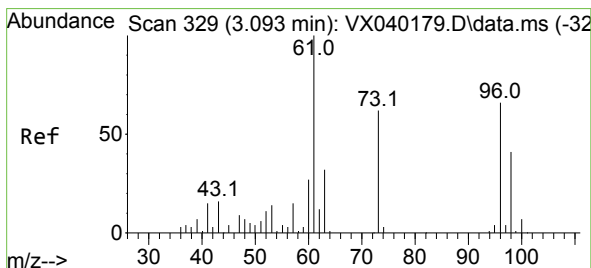
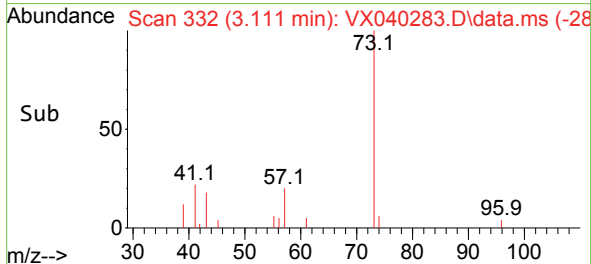
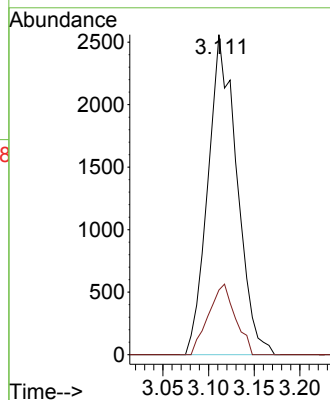
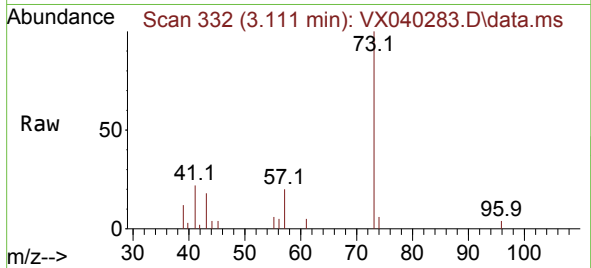




#19
Methyl tert-butyl Ether
Concen: 2.260 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX040283.D
Acq: 16 Feb 2024 17:02

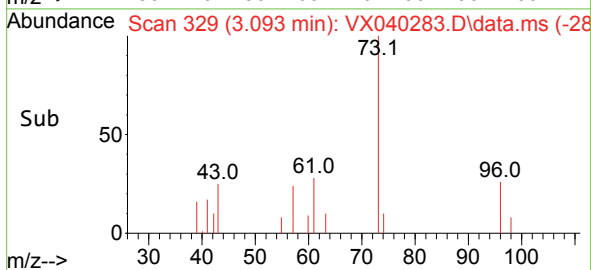
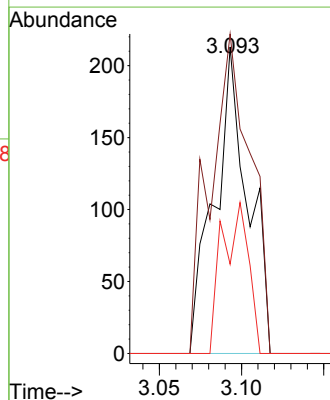
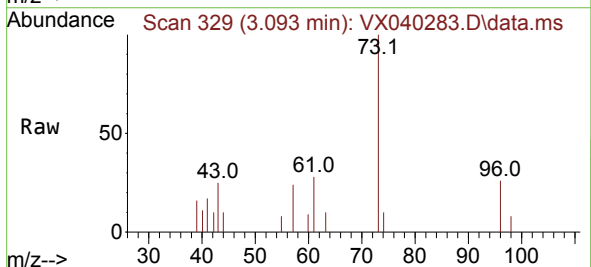
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20240215

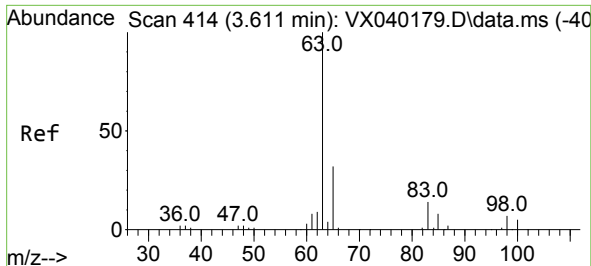
Tgt Ion: 73 Resp: 5631
Ion Ratio Lower Upper
73 100
57 20.2 17.3 25.9



#21
trans-1,2-Dichloroethene
Concen: 0.375 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.000 min
Lab File: VX040283.D
Acq: 16 Feb 2024 17:02

Tgt Ion: 96 Resp: 302
Ion Ratio Lower Upper
96 100
61 104.2 119.2 178.8#
98 29.1 48.7 73.1#





#24

1,1-Dichloroethane

Concen: 0.220 ug/l

RT: 3.617 min Scan# 41

Delta R.T. 0.012 min

Lab File: VX040283.D

Acq: 16 Feb 2024 17:02

Instrument :

MSVOA_X

ClientSampleId :

MW179D-20240215

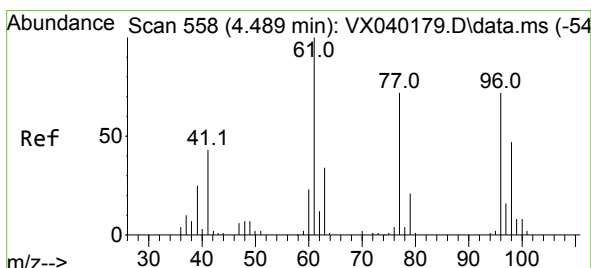
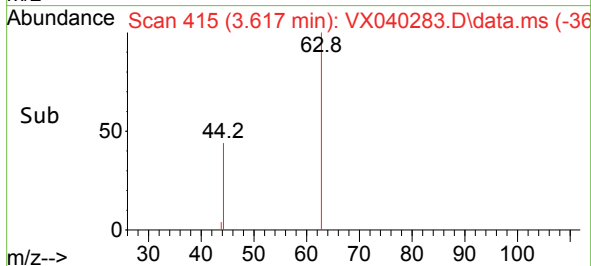
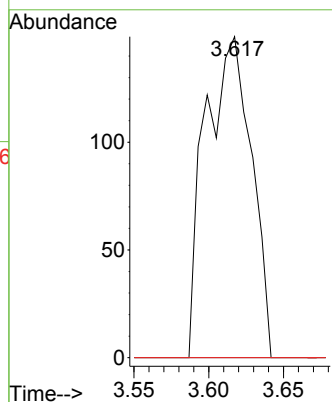
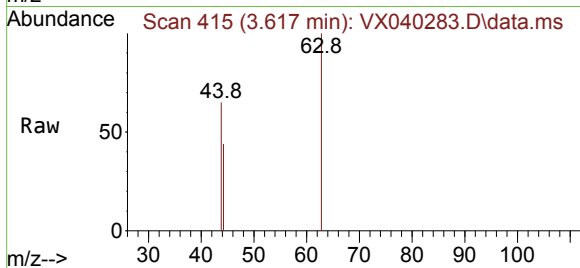
Tgt Ion: 63 Resp: 319

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: 42.889 ug/l

RT: 4.489 min Scan# 558

Delta R.T. 0.000 min

Lab File: VX040283.D

Acq: 16 Feb 2024 17:02

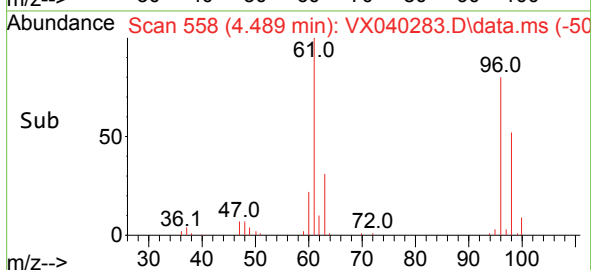
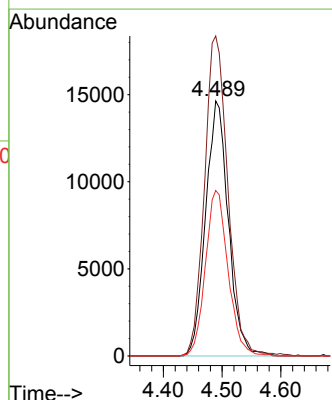
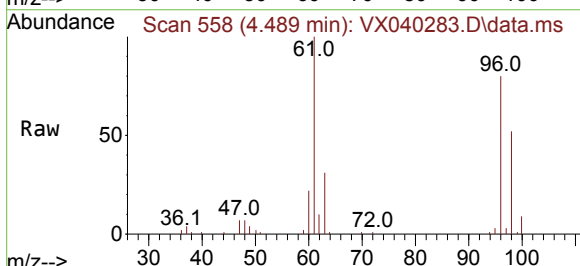
Tgt Ion: 96 Resp: 39404

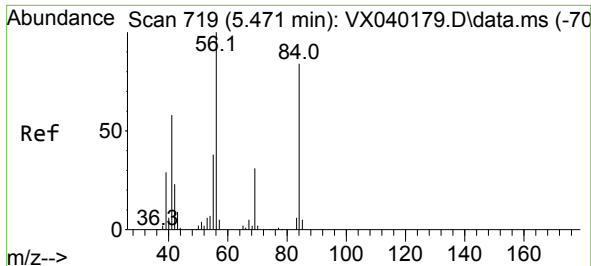
Ion Ratio Lower Upper

96 100

61 129.3 0.0 312.2

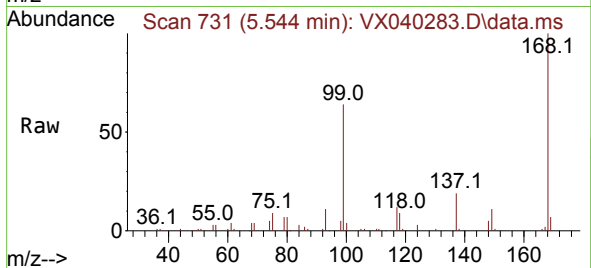
98 64.7 0.0 129.0



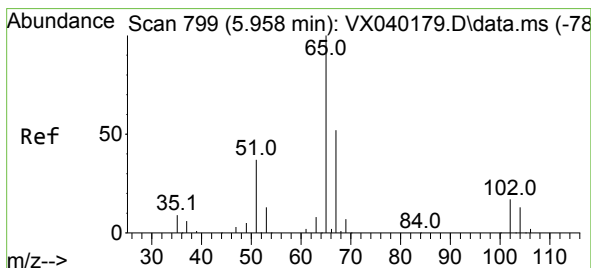
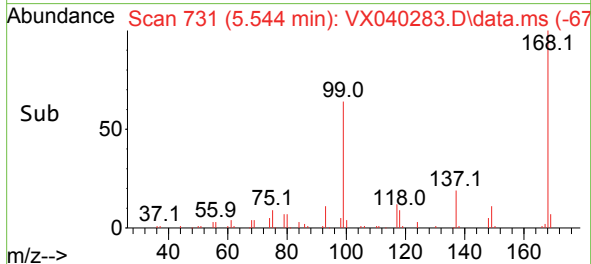
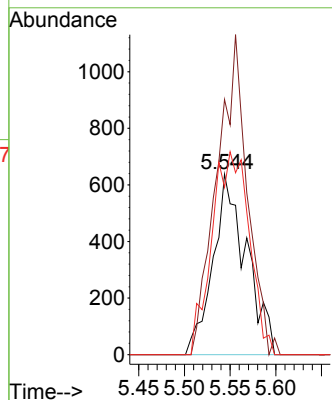


#31
Cyclohexane
Concen: 1.321 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX040283.D
Acq: 16 Feb 2024 17:02

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20240215

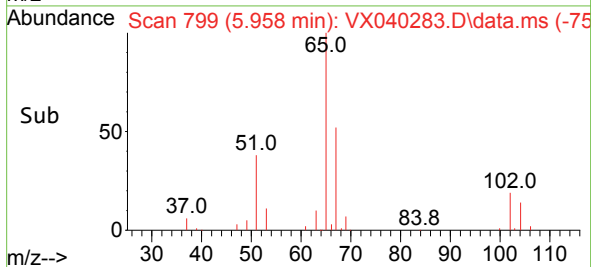
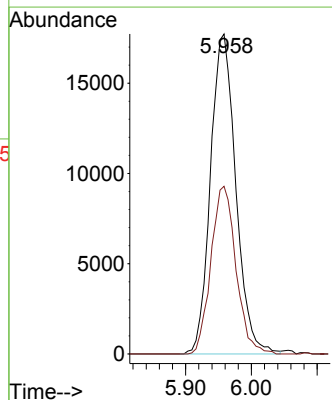
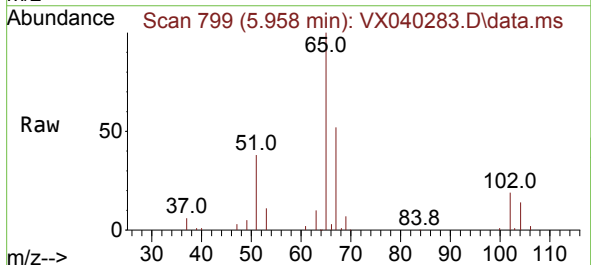


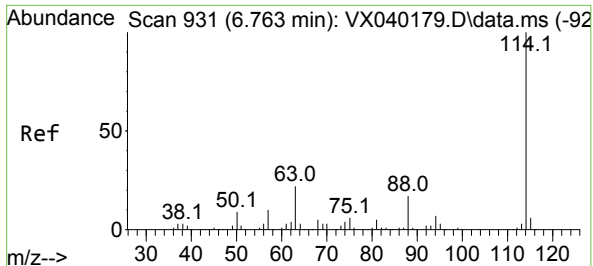
Tgt Ion: 56 Resp: 1624
Ion Ratio Lower Upper
56 100
69 141.4 23.4 35.2#
84 92.6 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 46.158 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX040283.D
Acq: 16 Feb 2024 17:02

Tgt Ion: 65 Resp: 47562
Ion Ratio Lower Upper
65 100
67 51.7 0.0 100.2

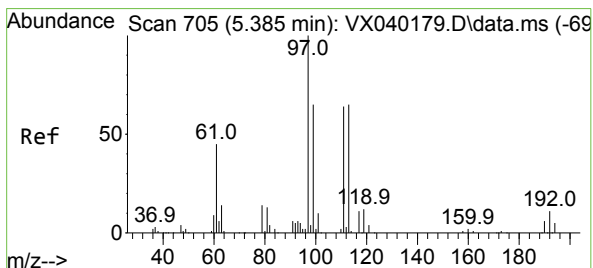
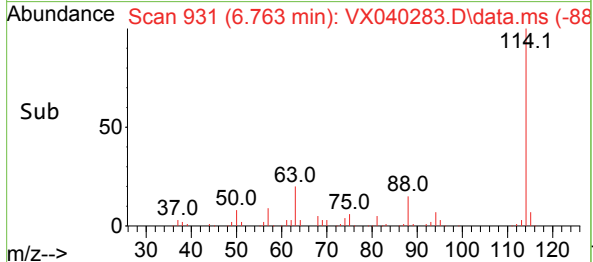
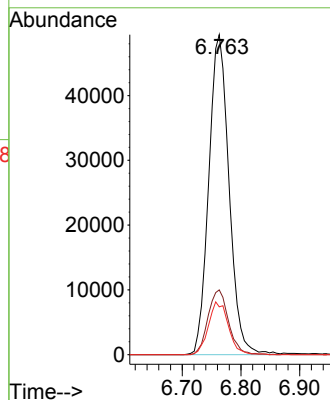
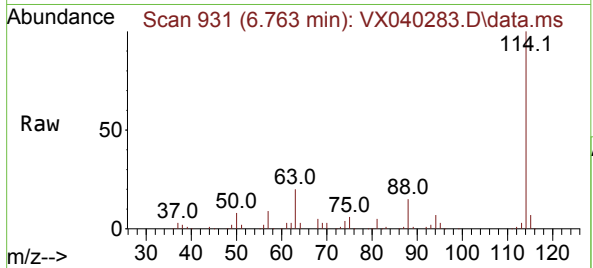




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX040283.D
Acq: 16 Feb 2024 17:02

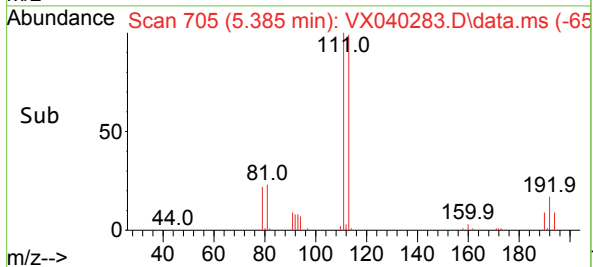
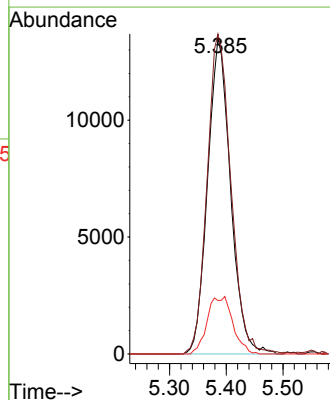
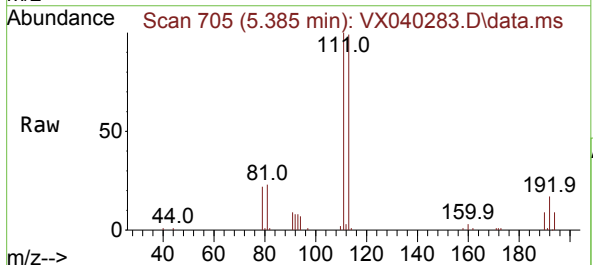
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ClientSampleId :
MW179D-20240215

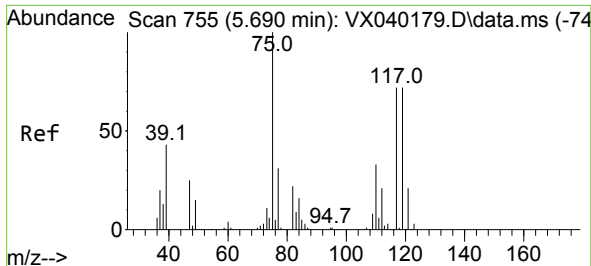
Tgt Ion:114 Resp: 118515
Ion Ratio Lower Upper
114 100
63 20.3 0.0 45.0
88 14.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.797 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040283.D
Acq: 16 Feb 2024 17:02

Tgt Ion:113 Resp: 37904
Ion Ratio Lower Upper
113 100
111 105.4 82.9 124.3
192 20.3 13.3 19.9#

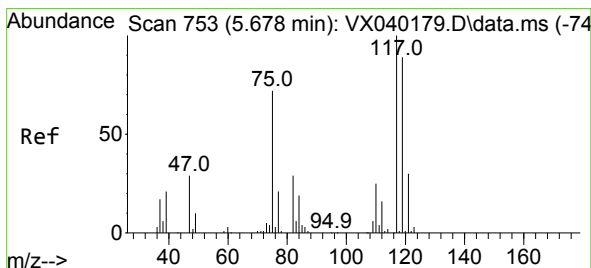
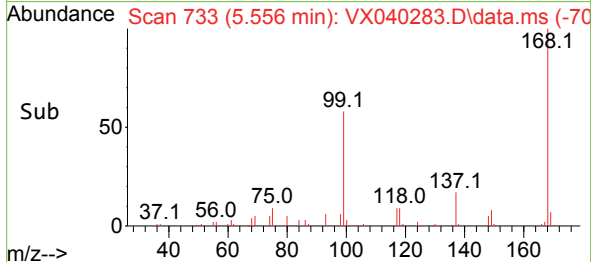
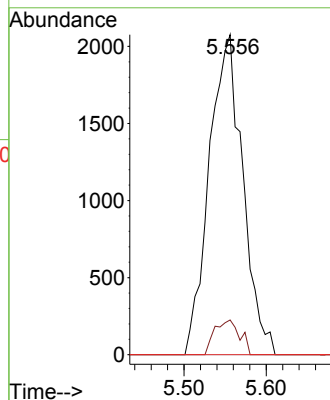
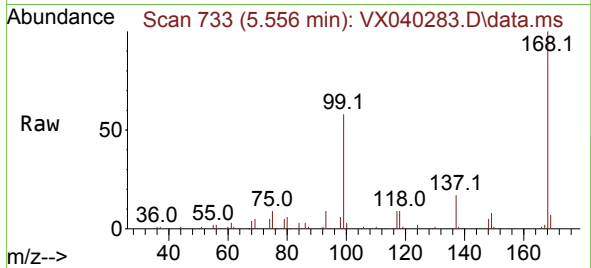




#36
1,1-Dichloropropene
Concen: 5.080 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX040283.D
Acq: 16 Feb 2024 17:02

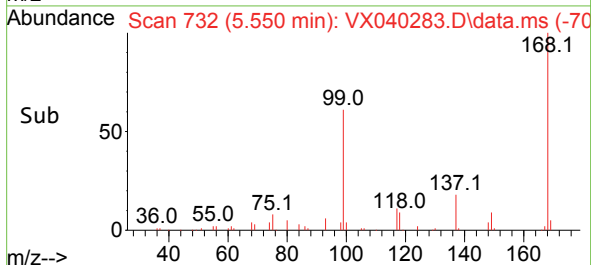
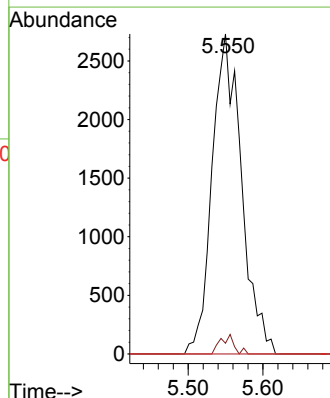
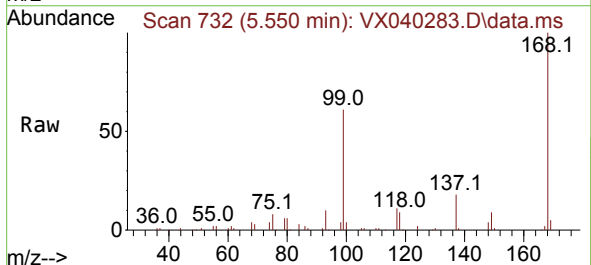
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MW179D-20240215

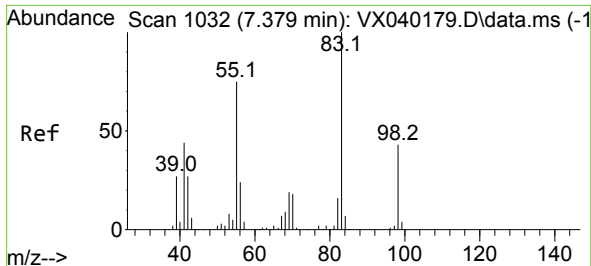
Tgt Ion: 75 Resp: 5890
Ion Ratio Lower Upper
75 100
110 8.1 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.742 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX040283.D
Acq: 16 Feb 2024 17:02

Tgt Ion: 117 Resp: 7432
Ion Ratio Lower Upper
117 100
119 3.3 78.2 117.2#
121 0.0 24.4 36.6#

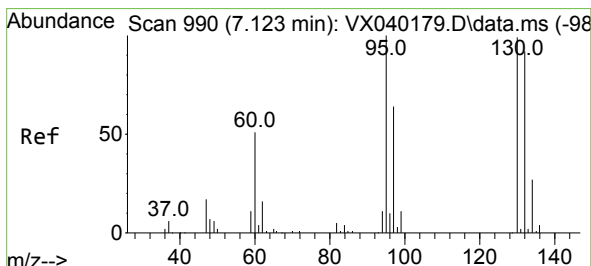
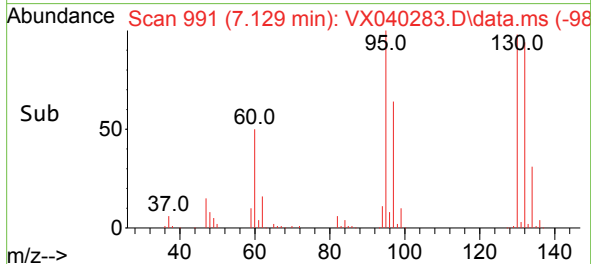
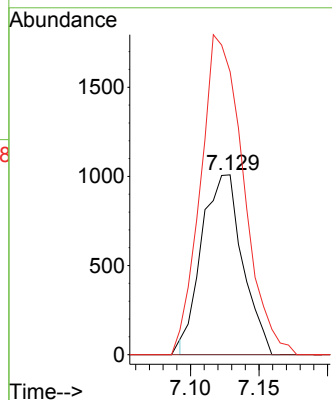
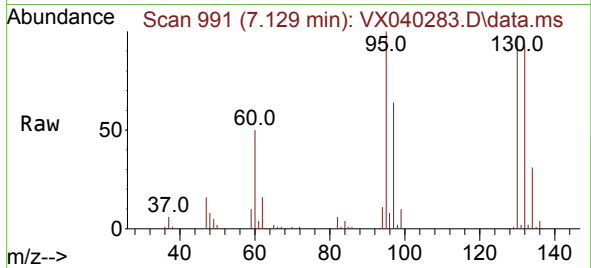




#39
Methylcyclohexane
Concen: 1.551 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.250 min
Lab File: VX040283.D
Acq: 16 Feb 2024 17:02

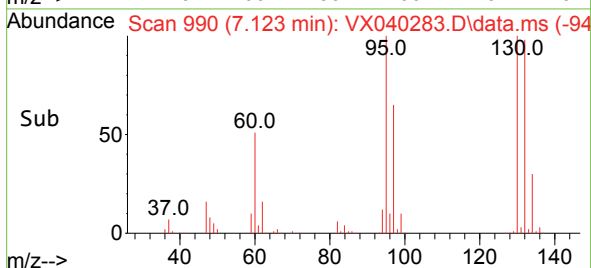
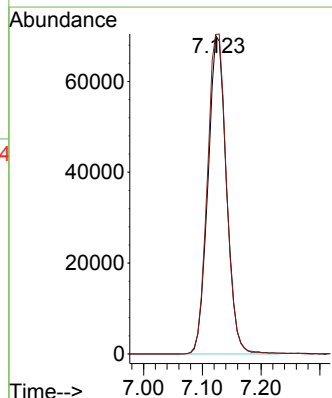
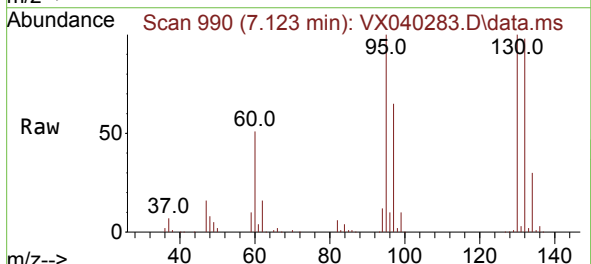
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20240215

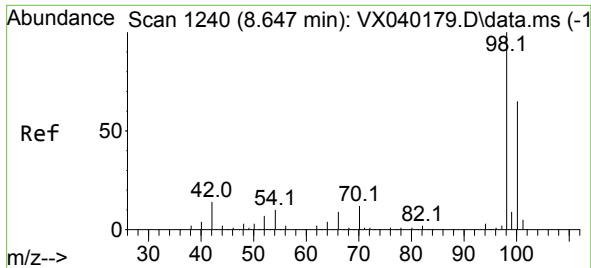
Tgt Ion: 83 Resp: 2090
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 150.8 36.7 55.1#



#44
Trichloroethene
Concen: 171.406 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX040283.D
Acq: 16 Feb 2024 17:02

Tgt Ion:130 Resp: 153293
Ion Ratio Lower Upper
130 100
95 100.4 0.0 204.4

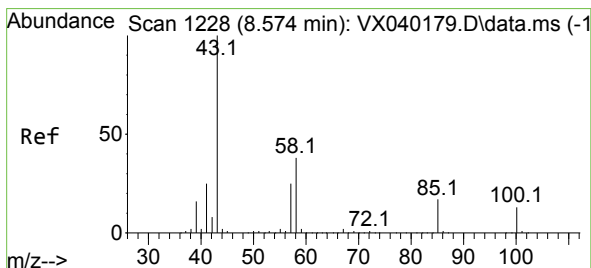
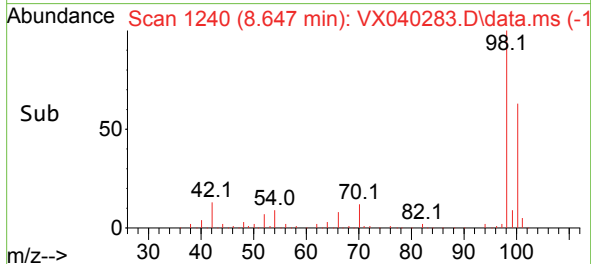
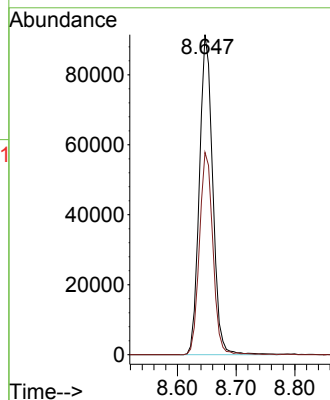
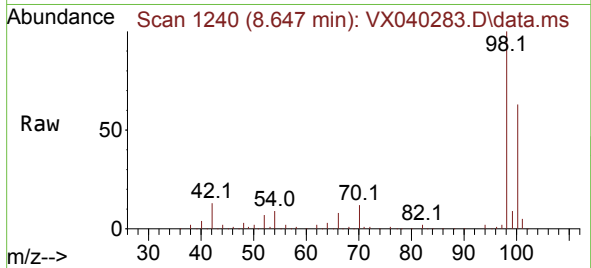




#50
Toluene-d8
Concen: 46.584 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX040283.D
Acq: 16 Feb 2024 17:02

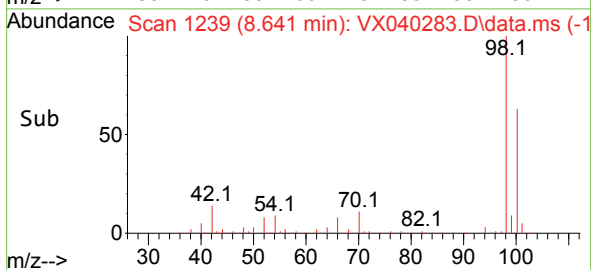
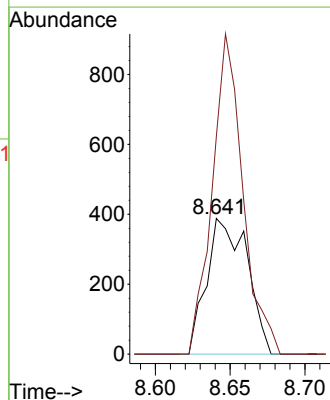
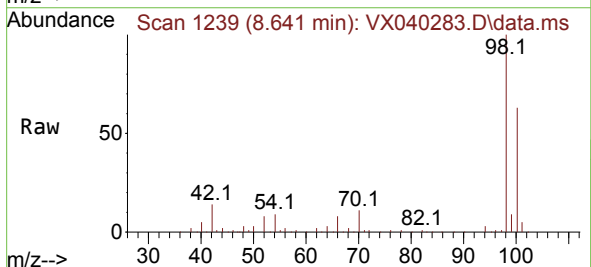
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20240215

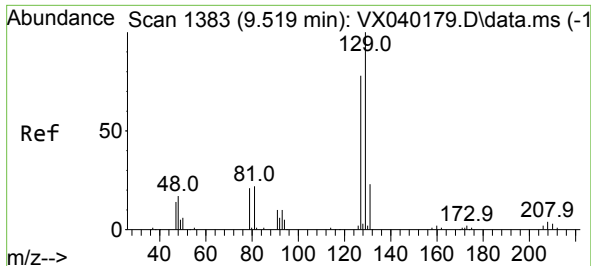
Tgt Ion: 98 Resp: 144223
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.533 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX040283.D
Acq: 16 Feb 2024 17:02

Tgt Ion: 43 Resp: 733
Ion Ratio Lower Upper
43 100
58 178.2 30.4 45.6#

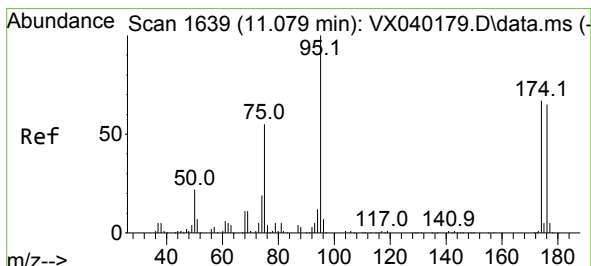
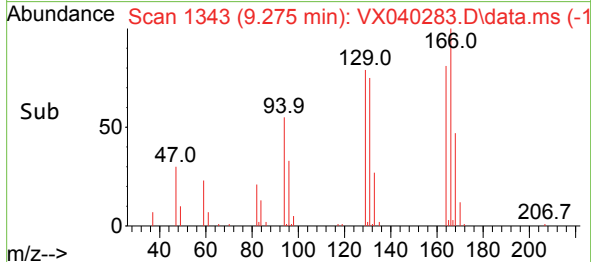
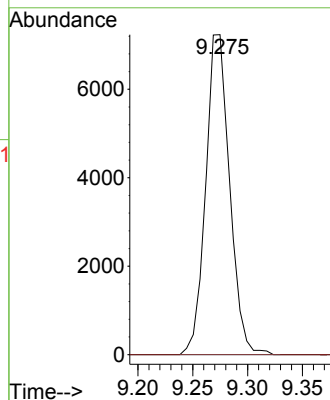
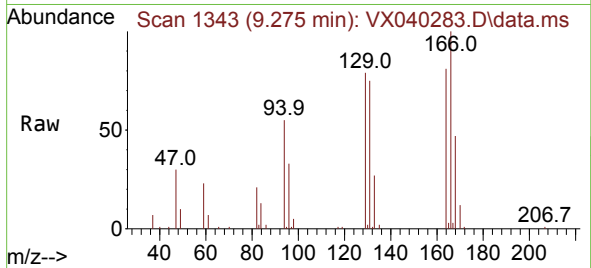




#60
Dibromochloromethane
Concen: 11.911 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX040283.D
Acq: 16 Feb 2024 17:02

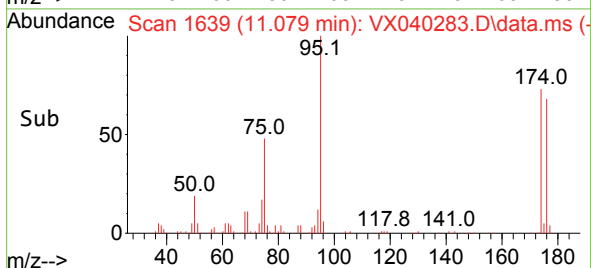
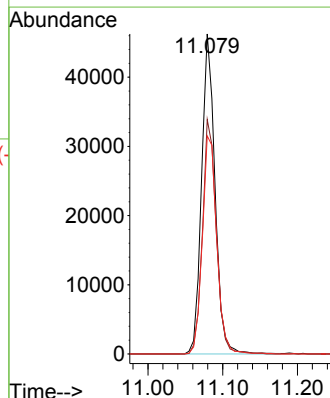
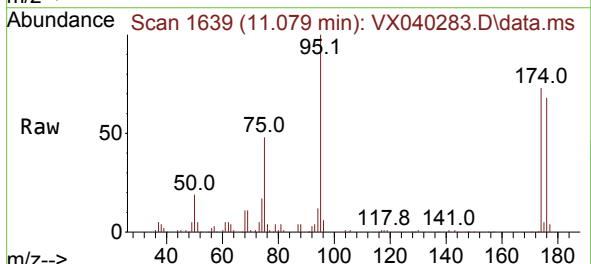
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20240215

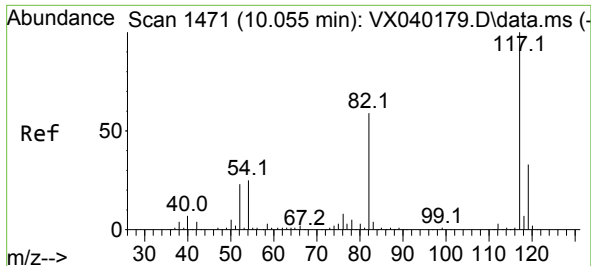
Tgt Ion:129 Resp: 10992
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 45.696 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040283.D
Acq: 16 Feb 2024 17:02

Tgt Ion: 95 Resp: 57699
Ion Ratio Lower Upper
95 100
174 74.9 0.0 135.6
176 73.3 0.0 131.0

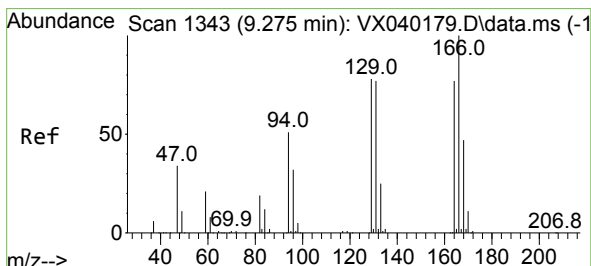
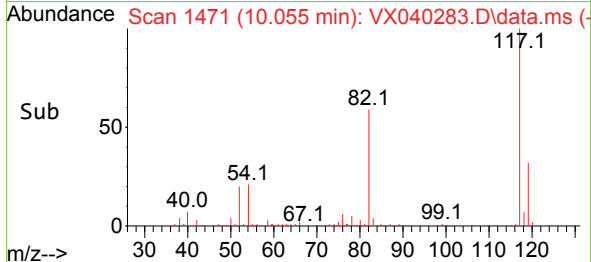
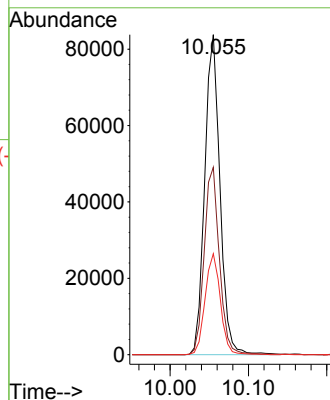
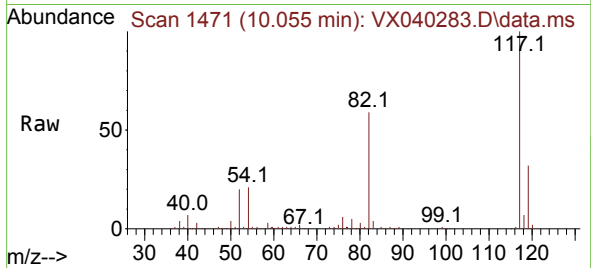




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040283.D
Acq: 16 Feb 2024 17:02

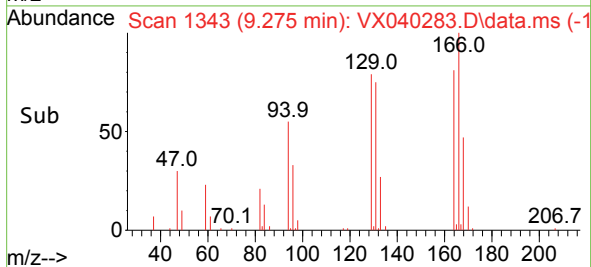
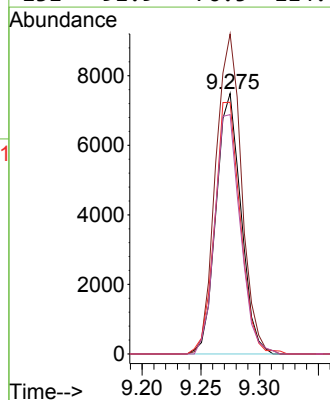
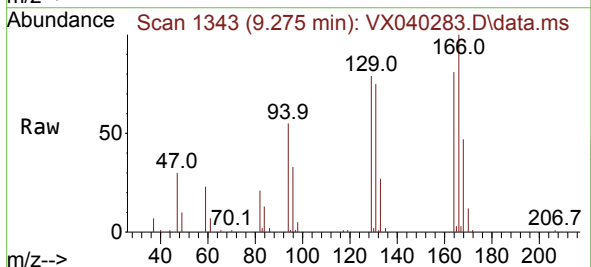
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20240215

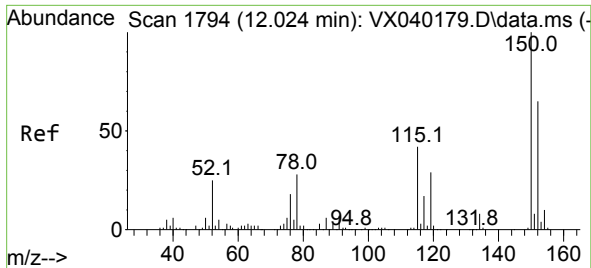
Tgt Ion:117	Resp: 112977		
Ion Ratio	Lower	Upper	
117 100			
82 58.5	46.2	69.4	
119 31.6	25.5	38.3	



#64
Tetrachloroethene
Concen: 13.914 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX040283.D
Acq: 16 Feb 2024 17:02

Tgt	Ion:164	Resp:	11016
Ion	Ratio	Lower	Upper
164	100		
166	122.9	102.7	154.1
129	96.6	80.4	120.6
131	91.9	76.5	114.7

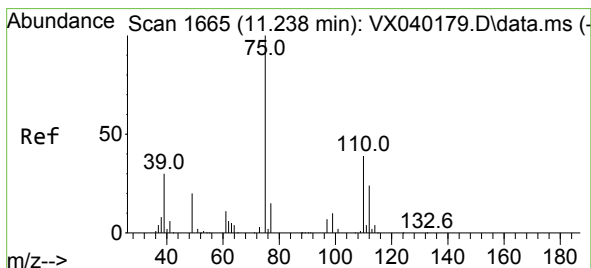
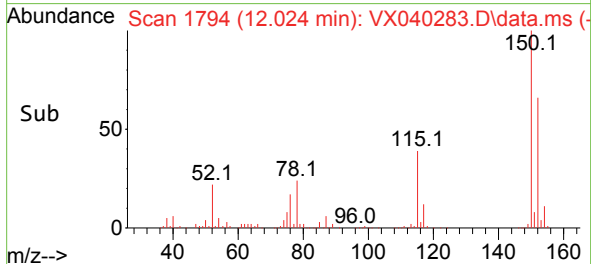
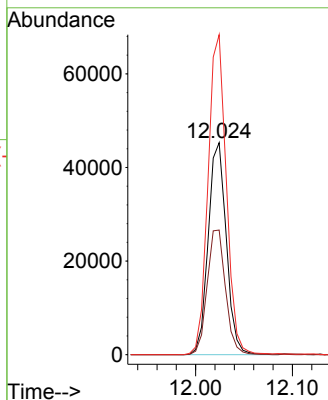
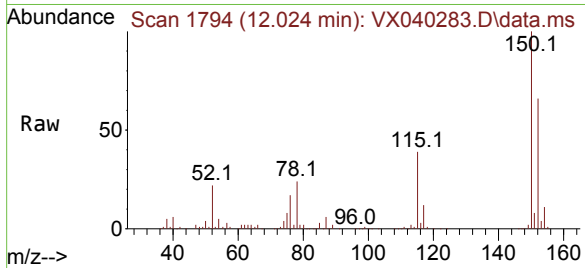




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX040283.D
 Acq: 16 Feb 2024 17:02

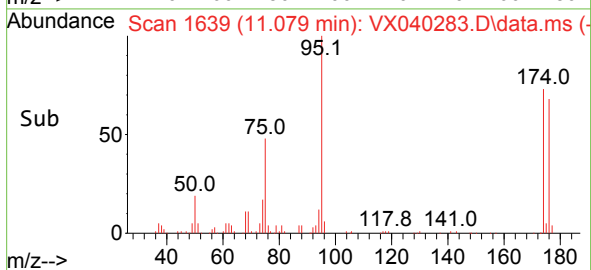
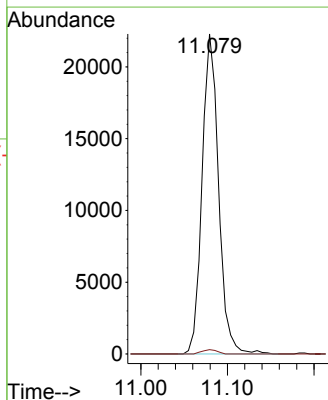
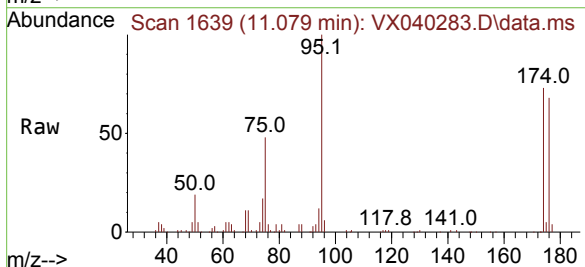
Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D-20240215

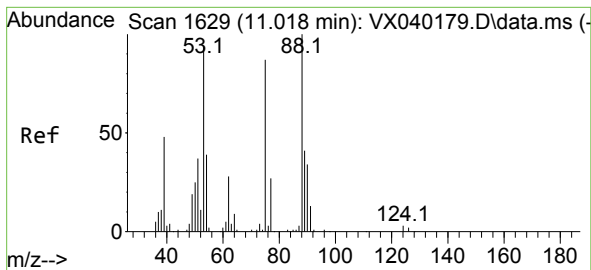
Tgt Ion:152 Resp: 58911
 Ion Ratio Lower Upper
 152 100
 115 59.7 43.3 129.9
 150 152.4 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 24.677 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX040283.D
 Acq: 16 Feb 2024 17:02

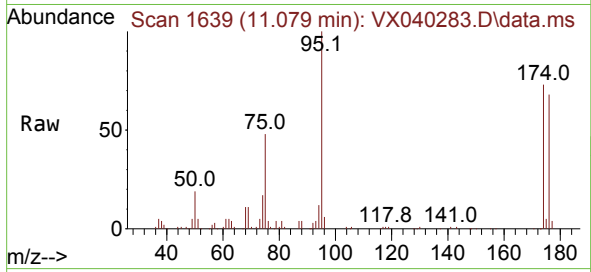
Tgt Ion: 75 Resp: 29439
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 67.926 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX040283.D
Acq: 16 Feb 2024 17:02

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20240215



Tgt Ion: 75 Resp: 29439
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

