

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021624\
 Data File : VX040282.D
 Acq On : 16 Feb 2024 16:39
 Operator : JC/MD
 Sample : P1507-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D1-20240215

Quant Time: Feb 17 01:38:36 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)

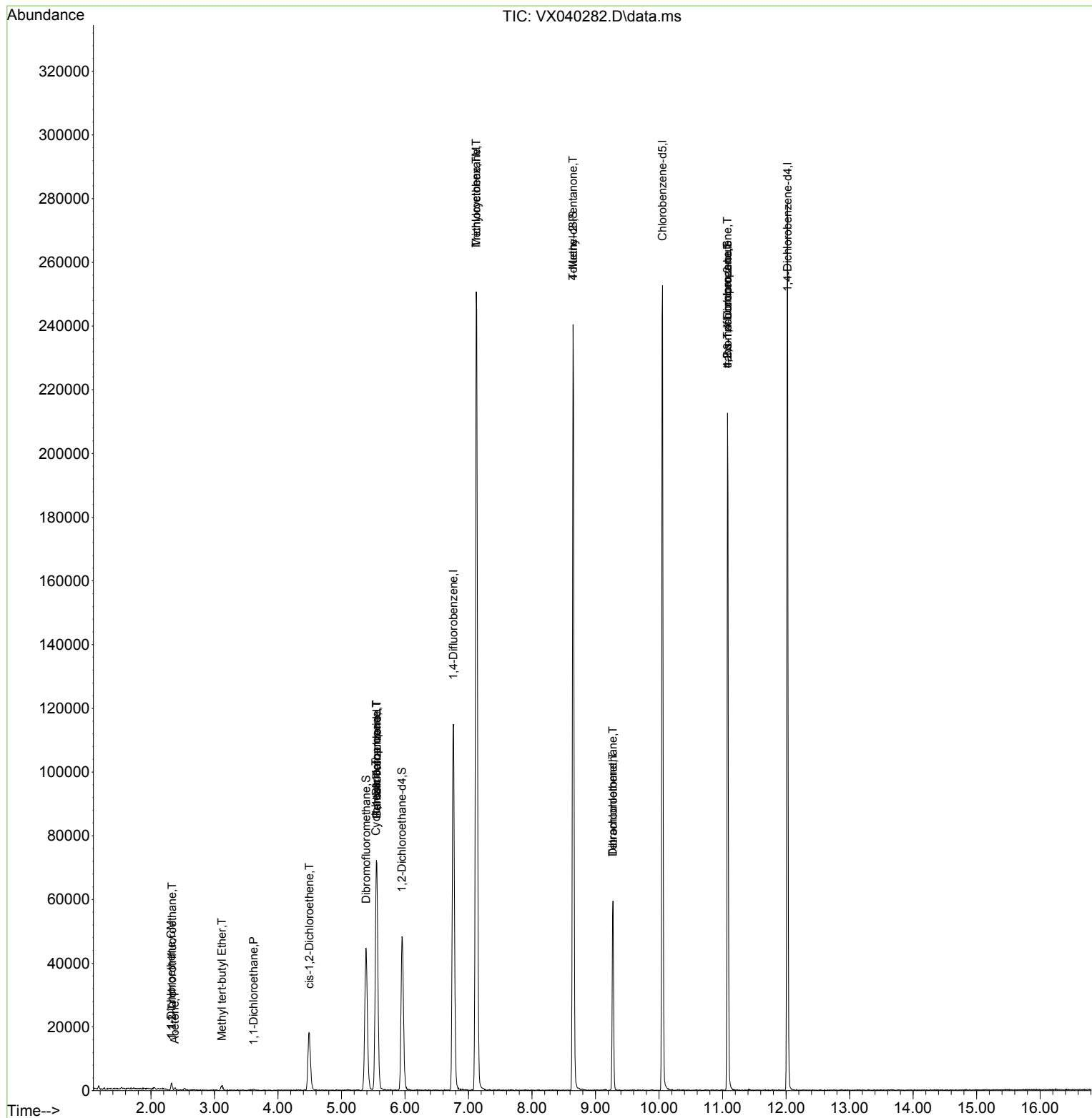
Internal Standards						
1) Pentafluorobenzene	5.556	168	70238	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	117287	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	114648	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59283	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	47447	45.407	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.820%
35) Dibromofluoromethane	5.385	113	38436	46.926	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.860%
50) Toluene-d8	8.647	98	144234	47.075	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.160%
62) 4-Bromofluorobenzene	11.079	95	56860	45.503	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.000%
Target Compounds						
						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.331	101	508	0.682	ug/l	# 92
12) 1,1-Dichloroethene	2.319	96	440	0.614	ug/l	# 71
16) Acetone	2.373	43	637	1.484	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	1592	0.630	ug/l	95
20) Methylene Chloride	2.782	84	23	Below Cal	#	5
24) 1,1-Dichloroethane	3.617	63	466	0.317	ug/l	# 83
27) cis-1,2-Dichloroethene	4.495	96	11995	12.874	ug/l	80
31) Cyclohexane	5.544	56	1668	1.338	ug/l	# 33
36) 1,1-Dichloropropene	5.550	75	5826	5.078	ug/l	# 48
38) Carbon Tetrachloride	5.556	117	6866	6.294	ug/l	# 14
39) Methylcyclohexane	7.123	83	1317	0.988	ug/l	# 1
44) Trichloroethene	7.123	130	96213	108.708	ug/l	99
51) 4-Methyl-2-Pentanone	8.647	43	677	0.498	ug/l	# 1
60) Dibromochloromethane	9.275	129	10680	11.694	ug/l	# 11
64) Tetrachloroethene	9.275	164	11023	13.720	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	29314	24.418	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	29314	67.250	ug/l	# 5

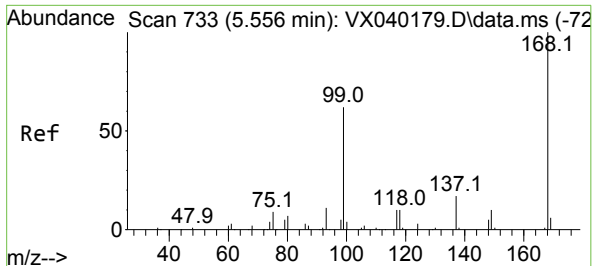
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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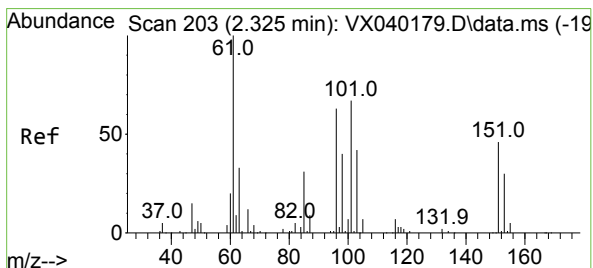
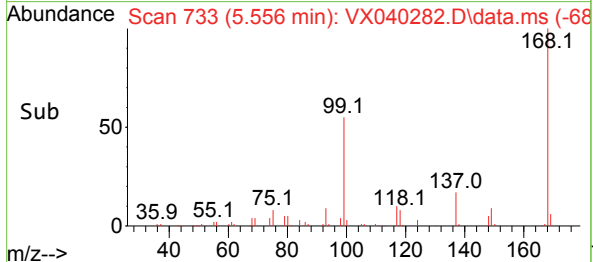
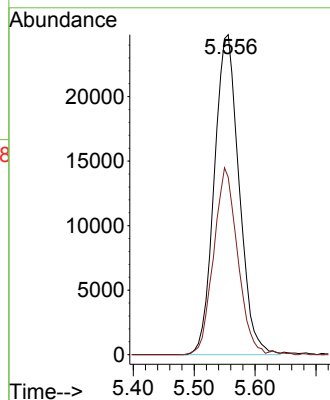
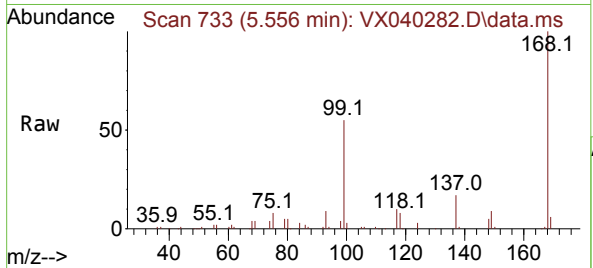




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040282.D
Acq: 16 Feb 2024 16:39

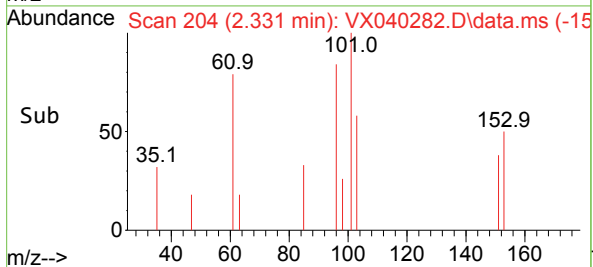
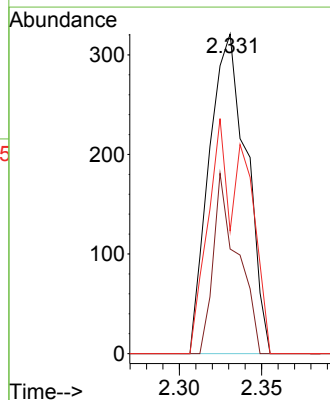
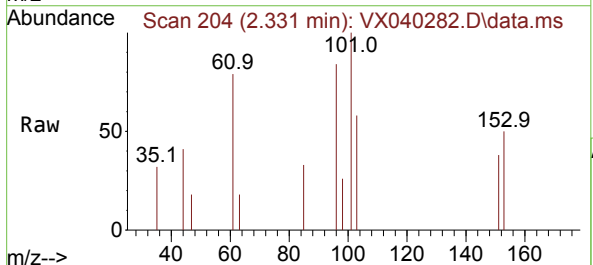
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20240215

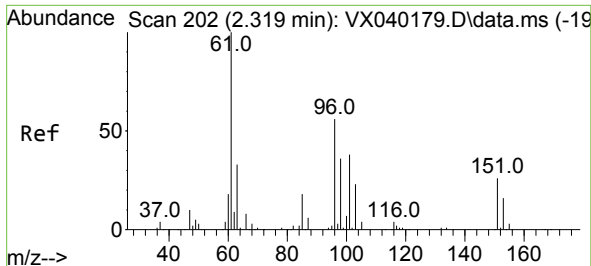
Tgt Ion:168 Resp: 70238
Ion Ratio Lower Upper
168 100
99 55.5 56.6 85.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.682 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX040282.D
Acq: 16 Feb 2024 16:39

Tgt Ion:101 Resp: 508
Ion Ratio Lower Upper
101 100
85 36.4 37.0 55.6#
151 76.2 58.6 87.8





#12

1,1-Dichloroethene

Concen: 0.614 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX040282.D

Acq: 16 Feb 2024 16:39

Instrument :

MSVOA_X

ClientSampleId :

MW179D1-20240215

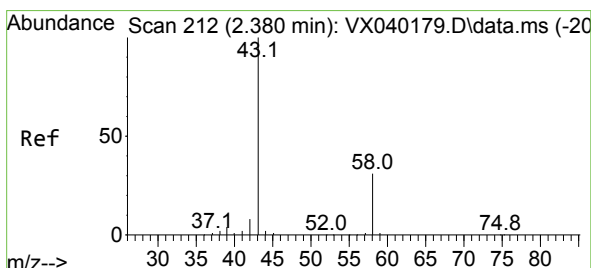
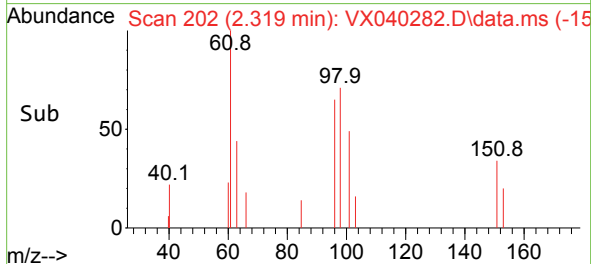
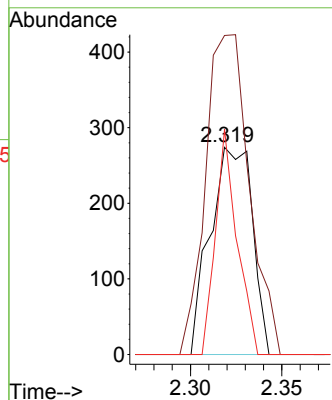
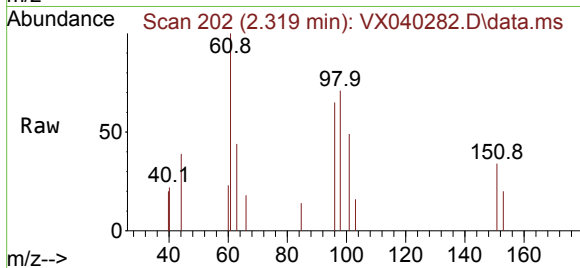
Tgt Ion: 96 Resp: 440

Ion Ratio Lower Upper

96 100

61 154.0 144.6 216.8

98 108.8 50.4 75.6#



#16

Acetone

Concen: 1.484 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.006 min

Lab File: VX040282.D

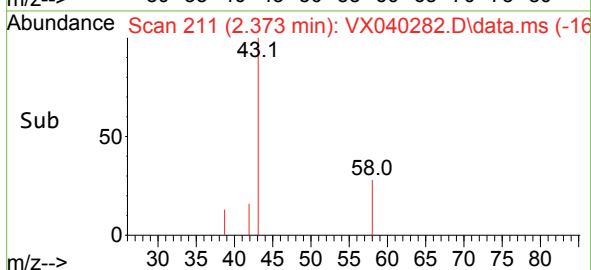
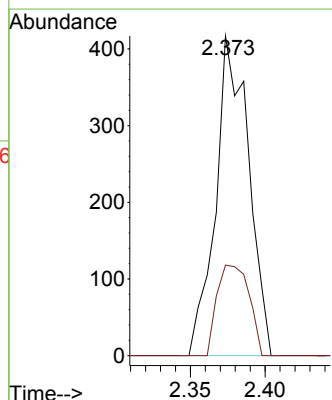
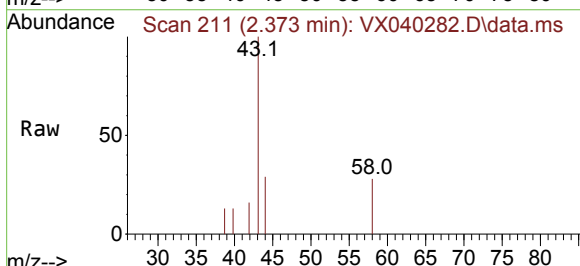
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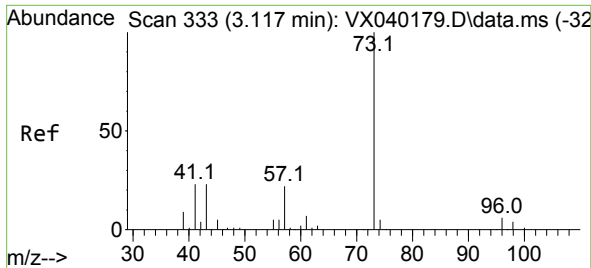
Tgt Ion: 43 Resp: 637

Ion Ratio Lower Upper

43 100

58 28.3 21.9 32.9

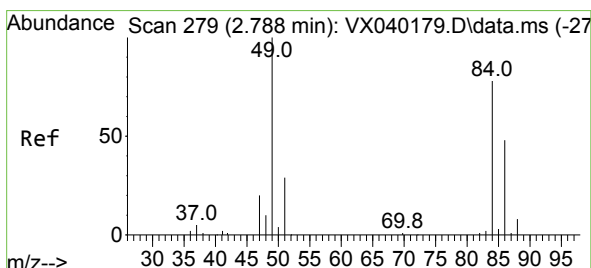
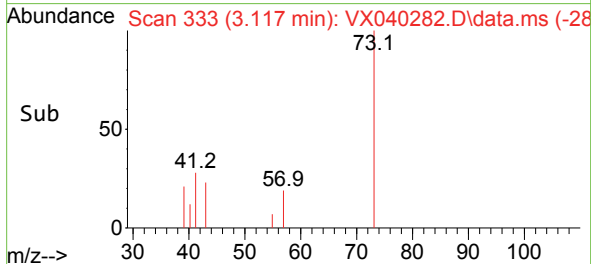
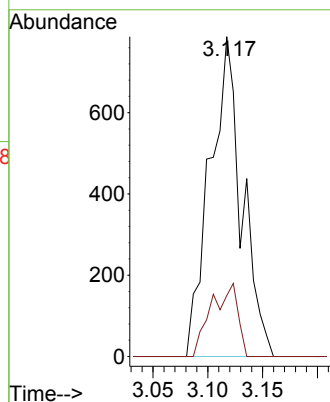
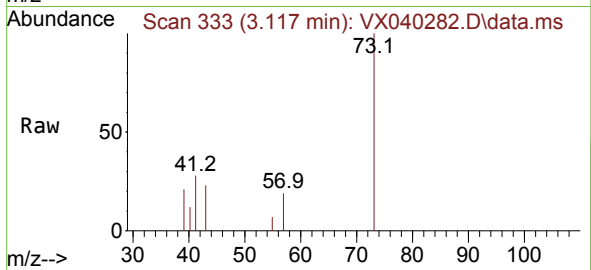




#19
Methyl tert-butyl Ether
Concen: 0.630 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX040282.D
Acq: 16 Feb 2024 16:39

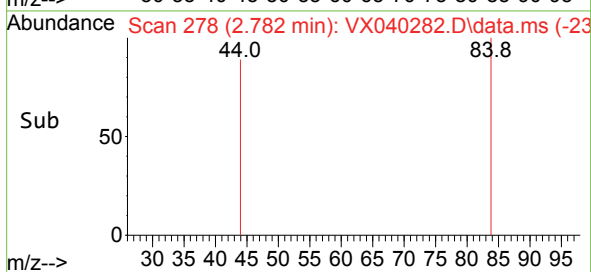
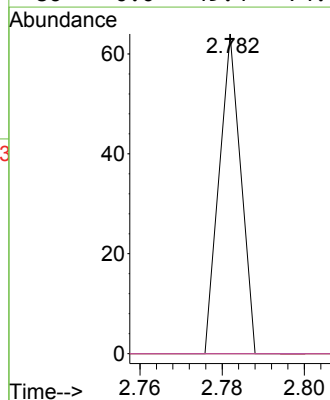
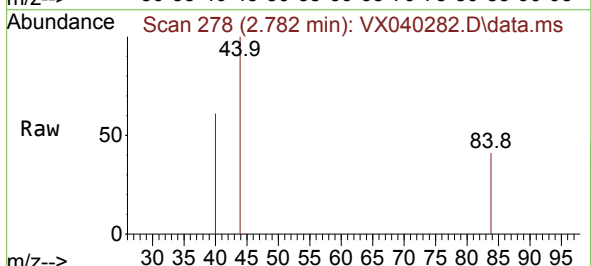
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20240215

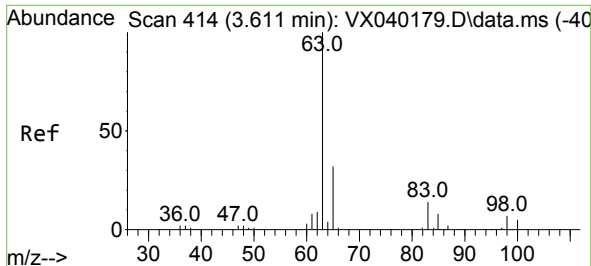
Tgt Ion: 73 Resp: 1592
Ion Ratio Lower Upper
73 100
57 19.1 17.3 25.9



#20
Methylene Chloride
Concen: Below Cal
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX040282.D
Acq: 16 Feb 2024 16:39

Tgt Ion: 84 Resp: 23
Ion Ratio Lower Upper
84 100
49 0.0 103.6 155.4#
51 0.0 33.8 50.6#
86 0.0 49.4 74.0#





#24

1,1-Dichloroethane

Concen: 0.317 ug/l

RT: 3.617 min Scan# 41

Delta R.T. 0.012 min

Lab File: VX040282.D

Acq: 16 Feb 2024 16:39

Instrument :

MSVOA_X

ClientSampleId :

MW179D1-20240215

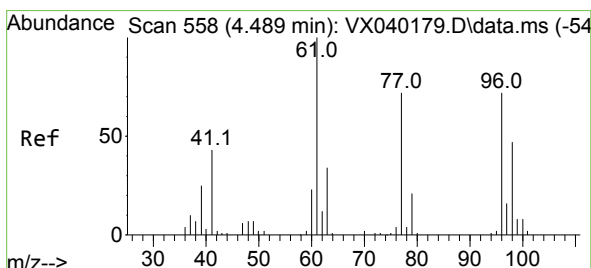
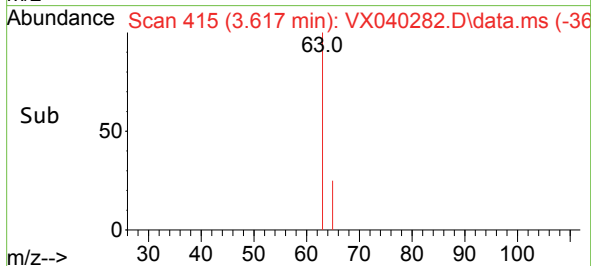
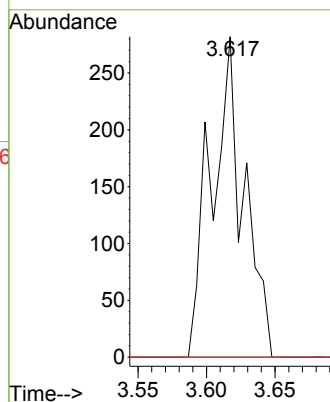
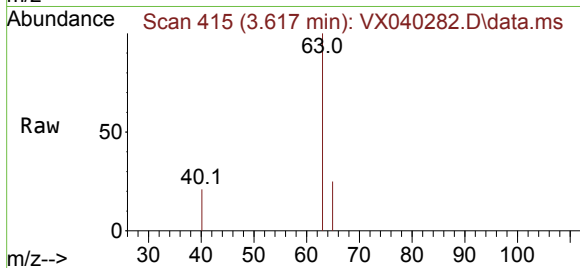
Tgt Ion: 63 Resp: 466

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: 12.874 ug/l

RT: 4.495 min Scan# 559

Delta R.T. 0.006 min

Lab File: VX040282.D

Acq: 16 Feb 2024 16:39

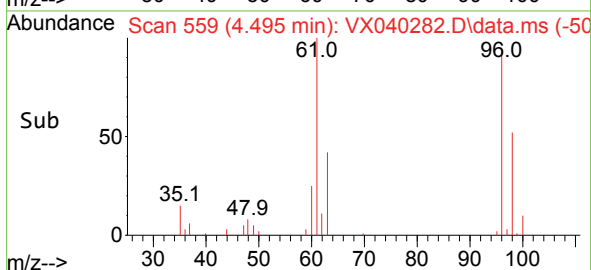
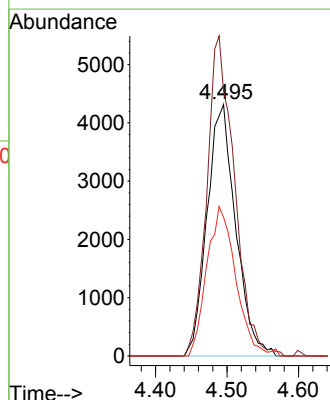
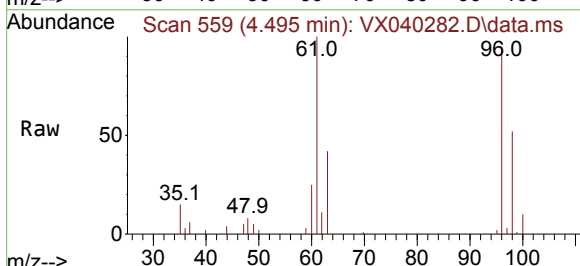
Tgt Ion: 96 Resp: 11995

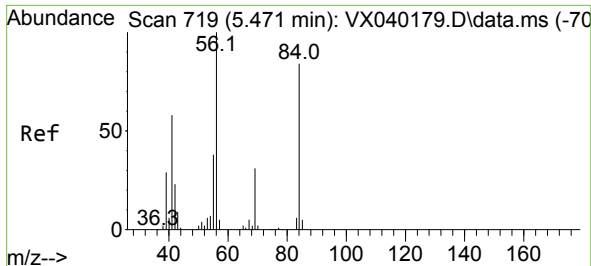
Ion Ratio Lower Upper

96 100

61 122.4 0.0 312.2

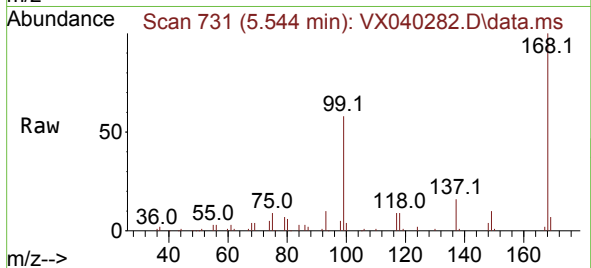
98 60.4 0.0 129.0



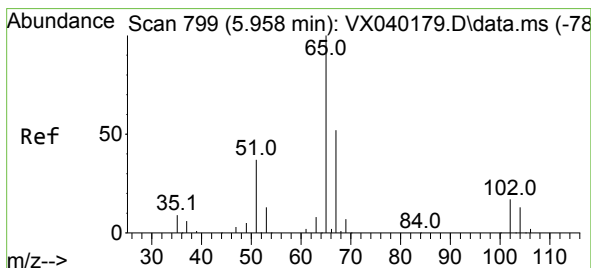
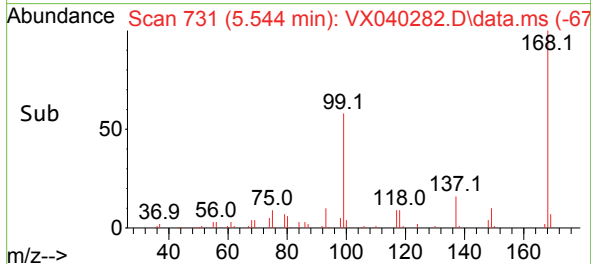
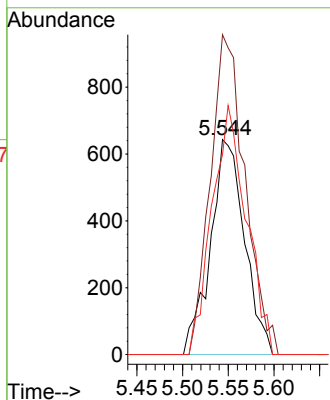


#31
Cyclohexane
Concen: 1.338 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX040282.D
Acq: 16 Feb 2024 16:39

Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20240215

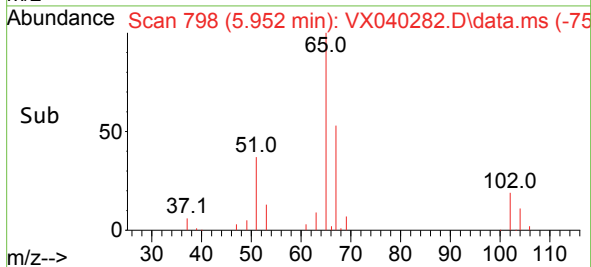
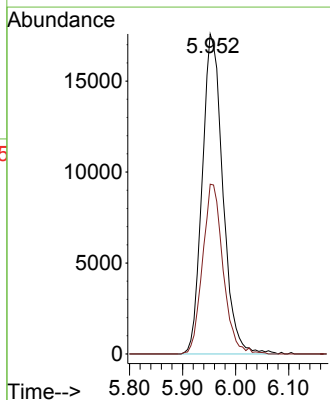
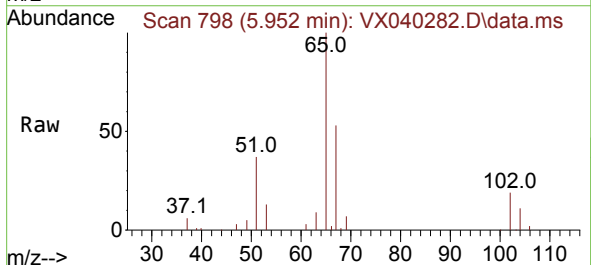


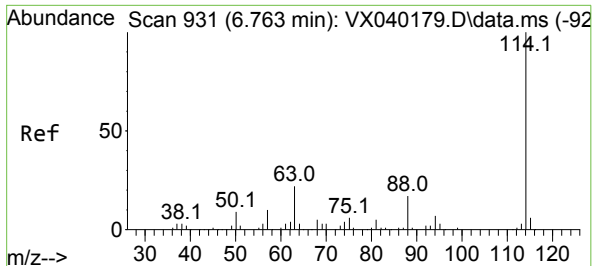
Tgt Ion: 56 Resp: 1668
Ion Ratio Lower Upper
56 100
69 148.8 23.4 35.2#
84 93.0 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 45.407 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX040282.D
Acq: 16 Feb 2024 16:39

Tgt Ion: 65 Resp: 47447
Ion Ratio Lower Upper
65 100
67 52.8 0.0 100.2

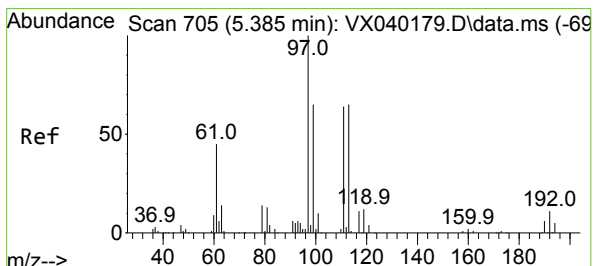
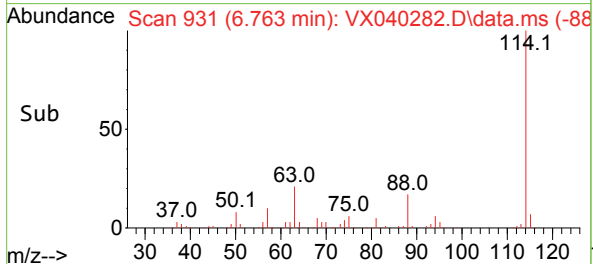
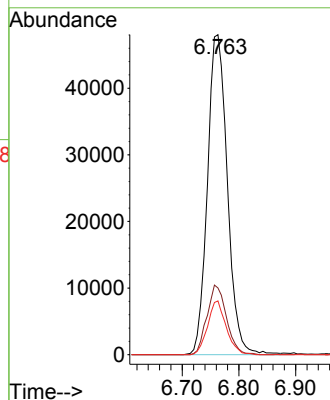
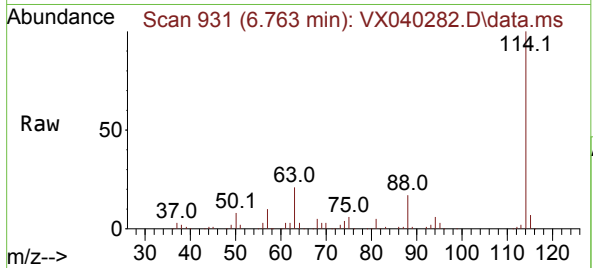




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX040282.D
Acq: 16 Feb 2024 16:39

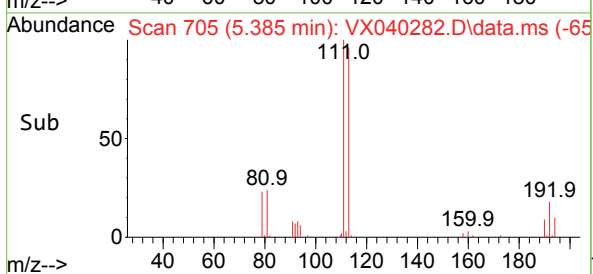
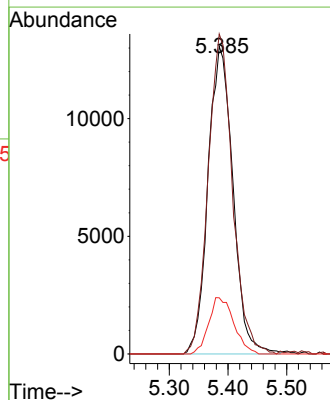
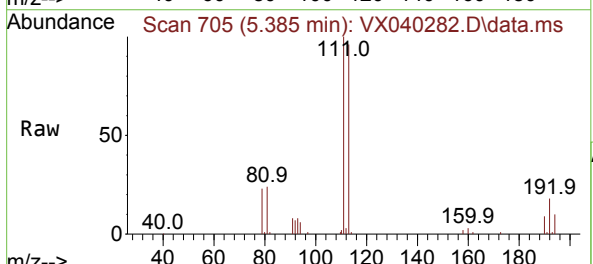
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20240215

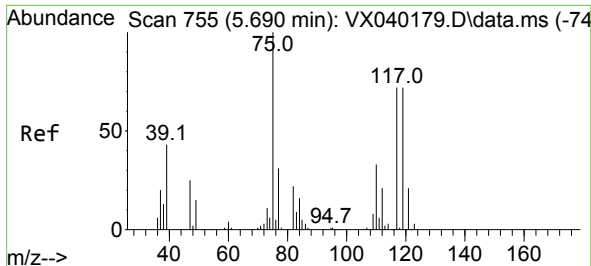
Tgt Ion:114 Resp: 117287
Ion Ratio Lower Upper
114 100
63 20.9 0.0 45.0
88 16.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.926 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040282.D
Acq: 16 Feb 2024 16:39

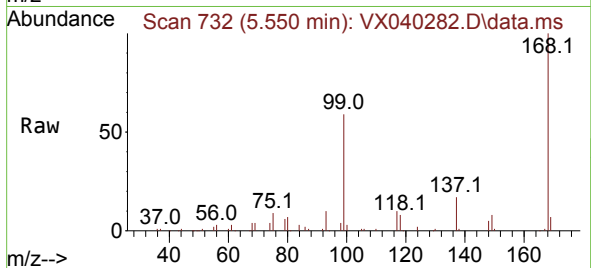
Tgt Ion:113 Resp: 38436
Ion Ratio Lower Upper
113 100
111 102.0 82.9 124.3
192 18.5 13.3 19.9



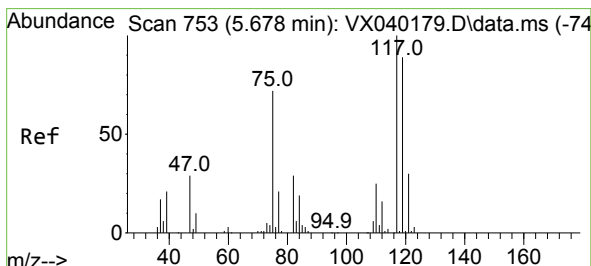
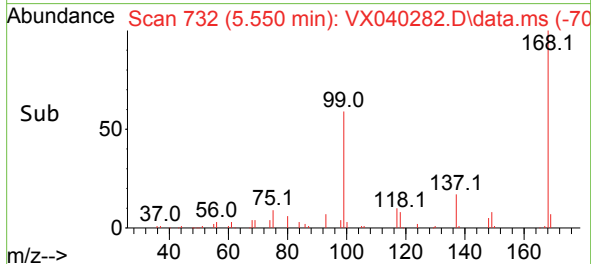
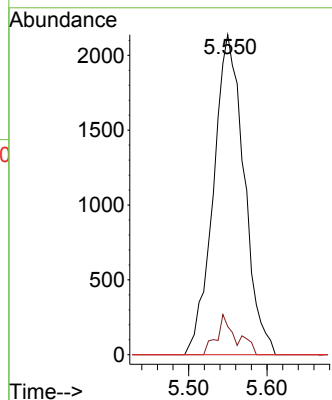


#36
1,1-Dichloropropene
Concen: 5.078 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX040282.D
Acq: 16 Feb 2024 16:39

Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20240215

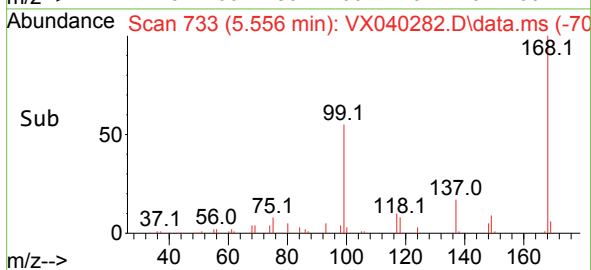
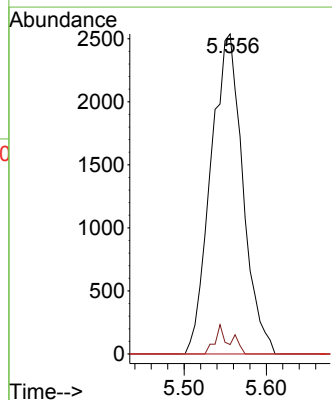
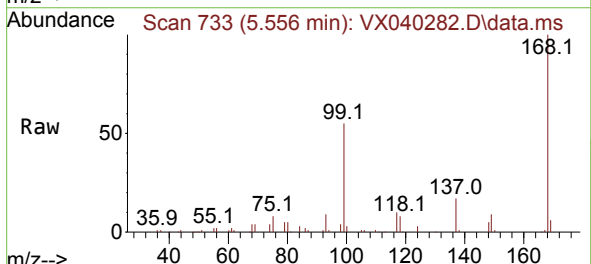


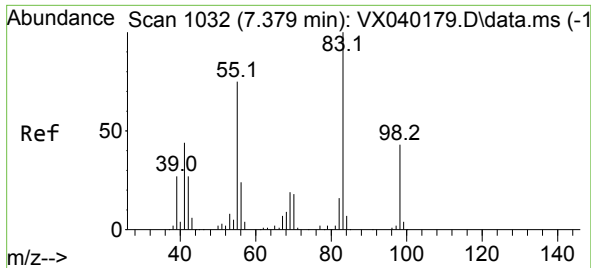
Tgt Ion: 75 Resp: 5826
Ion Ratio Lower Upper
75 100
110 6.0 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.294 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.116 min
Lab File: VX040282.D
Acq: 16 Feb 2024 16:39

Tgt Ion: 117 Resp: 6866
Ion Ratio Lower Upper
117 100
119 3.0 78.2 117.2#
121 0.0 24.4 36.6#

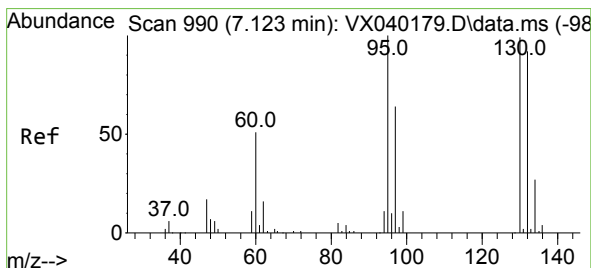
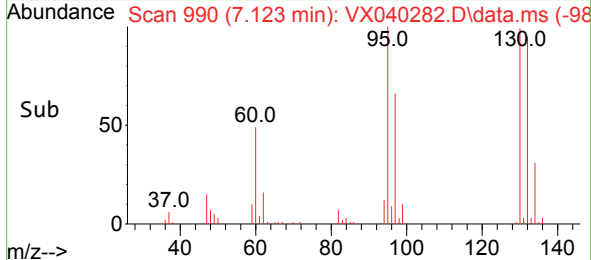
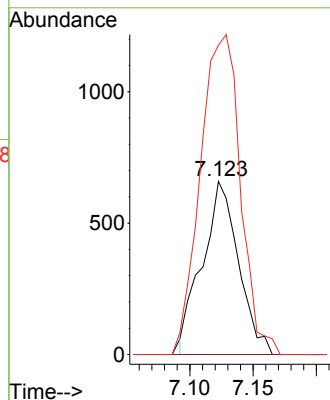
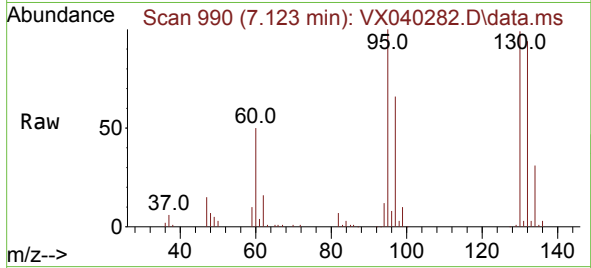




#39
Methylcyclohexane
Concen: 0.988 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX040282.D
Acq: 16 Feb 2024 16:39

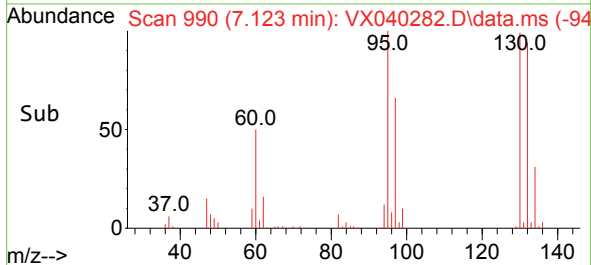
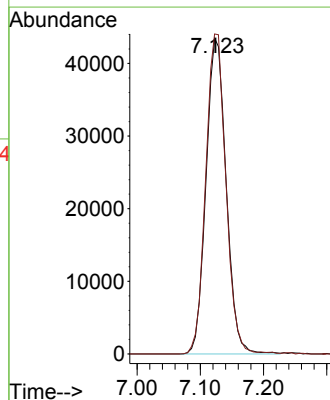
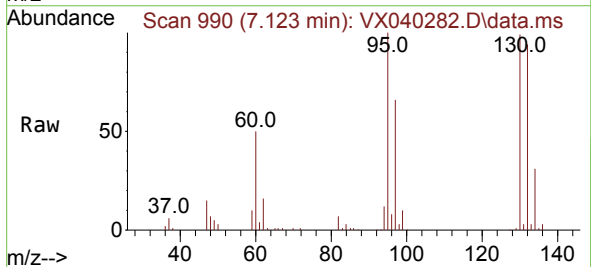
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20240215

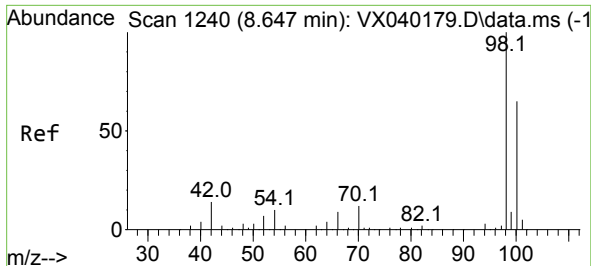
Tgt Ion: 83 Resp: 1317
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 178.6 36.7 55.1#



#44
Trichloroethene
Concen: 108.708 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX040282.D
Acq: 16 Feb 2024 16:39

Tgt Ion:130 Resp: 96213
Ion Ratio Lower Upper
130 100
95 101.3 0.0 204.4

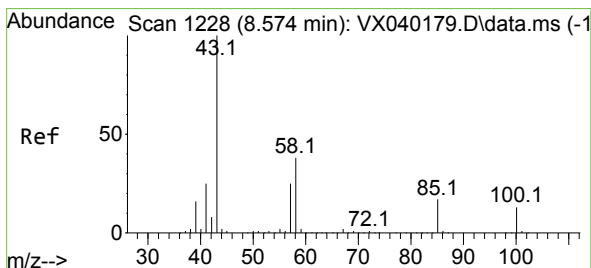
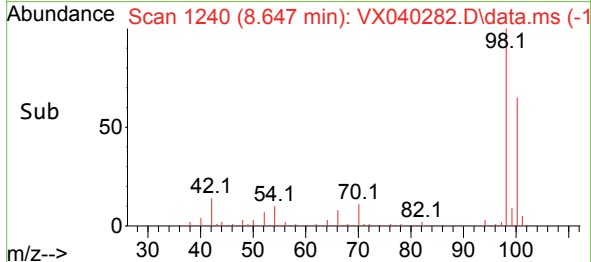
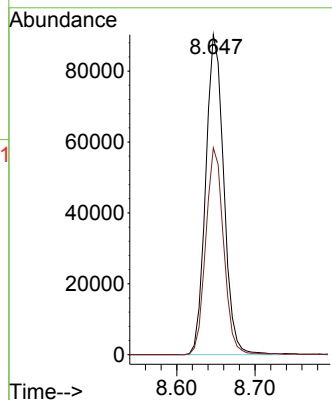
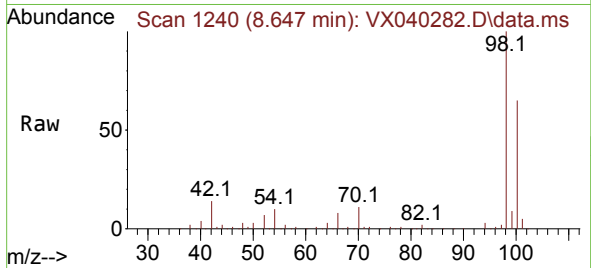




#50
Toluene-d8
Concen: 47.075 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX040282.D
Acq: 16 Feb 2024 16:39

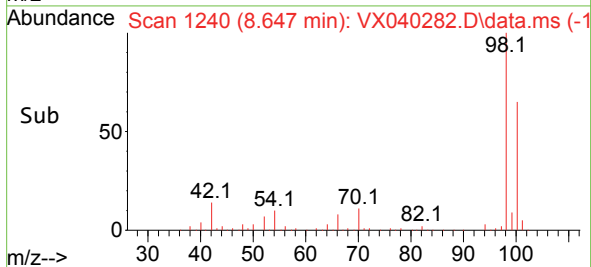
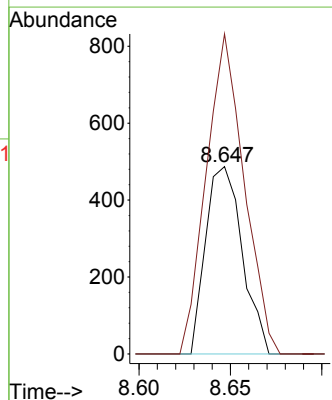
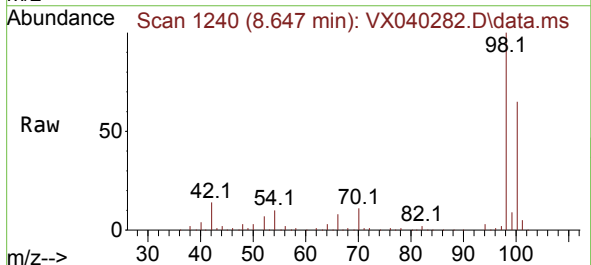
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20240215

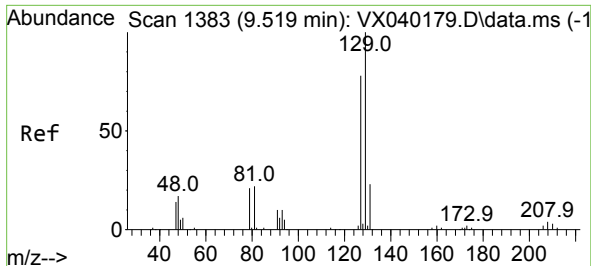
Tgt Ion: 98 Resp: 144234
Ion Ratio Lower Upper
98 100
100 63.9 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.498 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX040282.D
Acq: 16 Feb 2024 16:39

Tgt Ion: 43 Resp: 677
Ion Ratio Lower Upper
43 100
58 177.4 30.4 45.6#

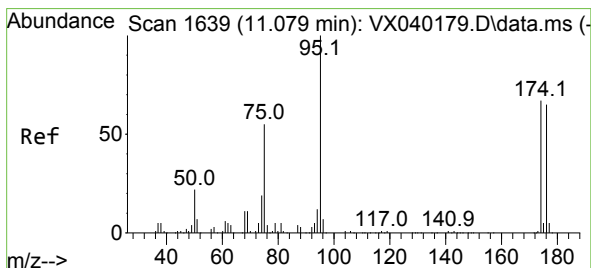
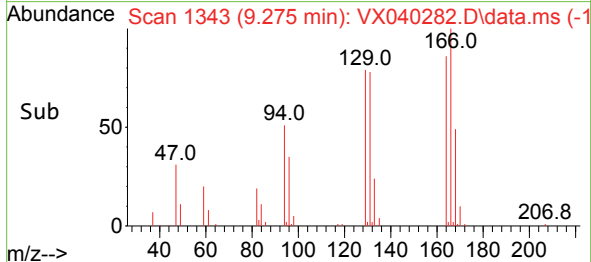
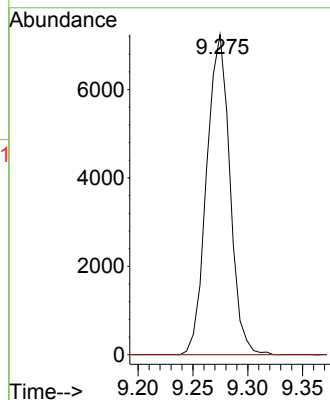
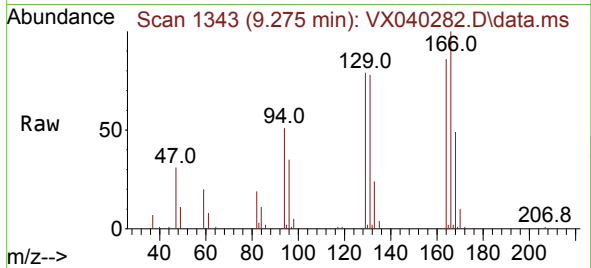




#60
Dibromochloromethane
Concen: 11.694 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX040282.D
Acq: 16 Feb 2024 16:39

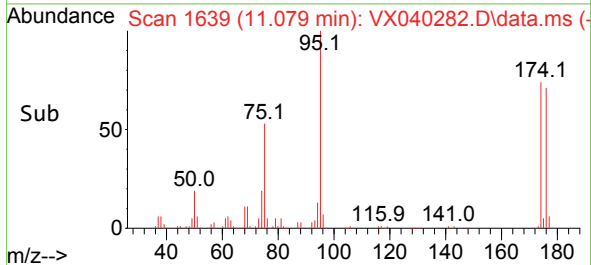
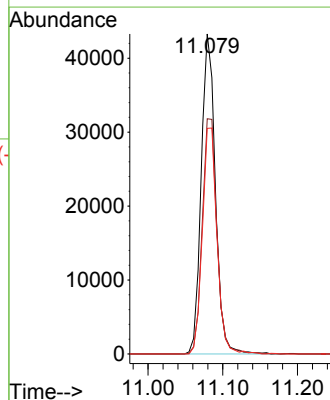
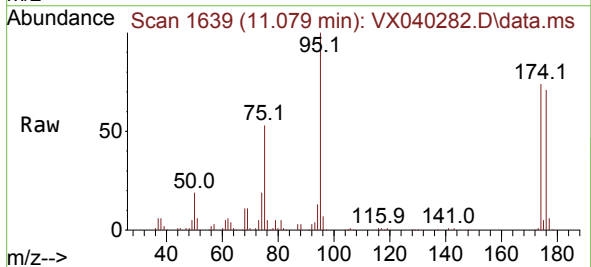
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20240215

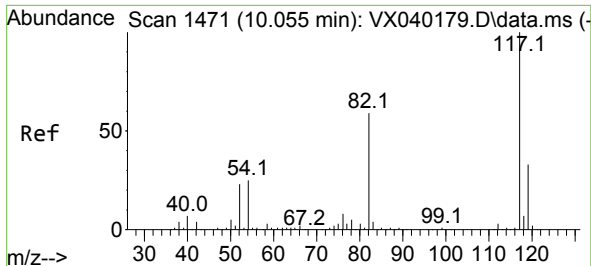
Tgt Ion:129 Resp: 10680
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 45.503 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040282.D
Acq: 16 Feb 2024 16:39

Tgt Ion: 95 Resp: 56860
Ion Ratio Lower Upper
95 100
174 76.6 0.0 135.6
176 73.0 0.0 131.0

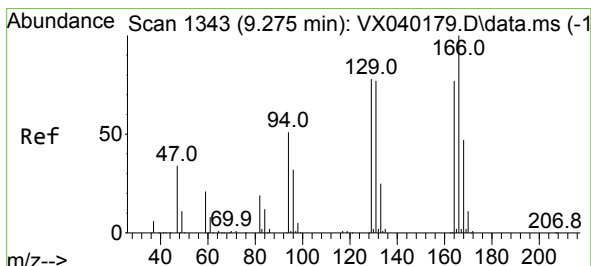
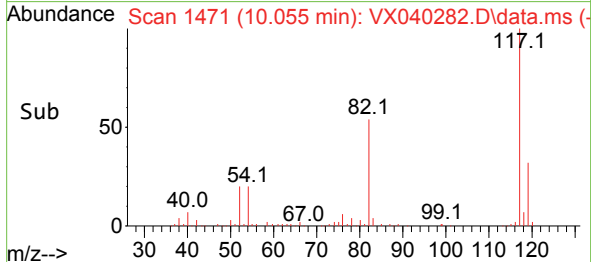
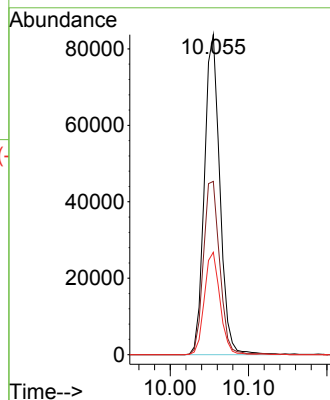
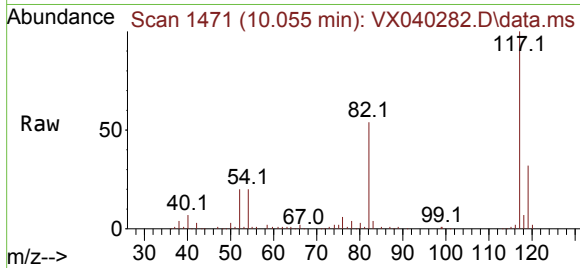




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040282.D
Acq: 16 Feb 2024 16:39

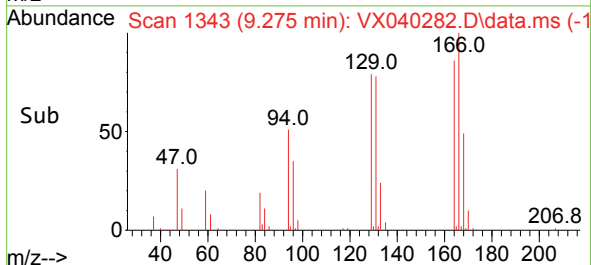
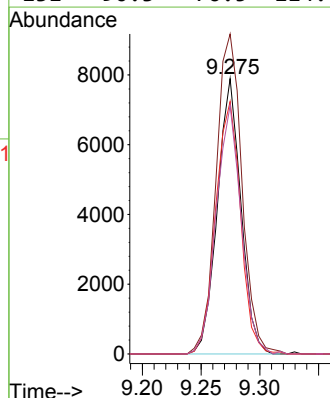
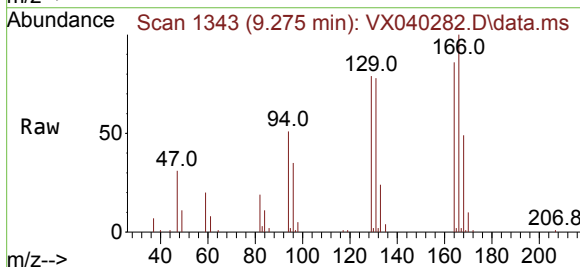
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20240215

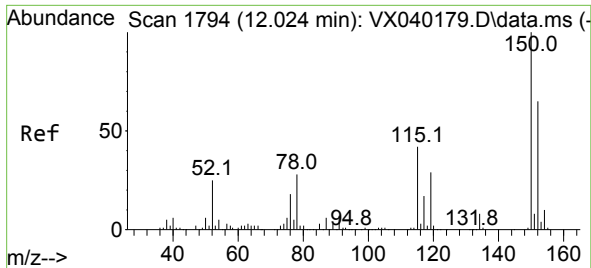
Tgt Ion:117	Resp:	114648
Ion	Ratio	Lower Upper
117	100	
82	54.1	46.2 69.4
119	32.0	25.5 38.3



#64
Tetrachloroethene
Concen: 13.720 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX040282.D
Acq: 16 Feb 2024 16:39

Tgt Ion:164	Resp:	11023
Ion	Ratio	Lower Upper
164	100	
166	116.2	102.7 154.1
129	91.7	80.4 120.6
131	90.3	76.5 114.7

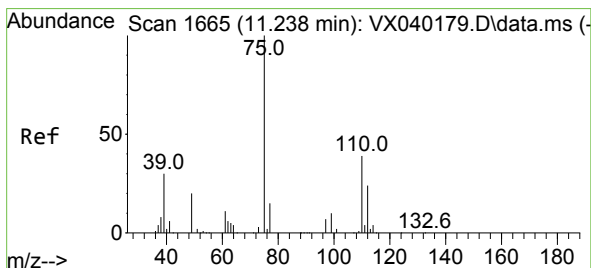
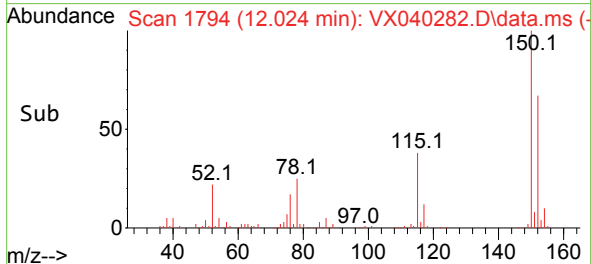
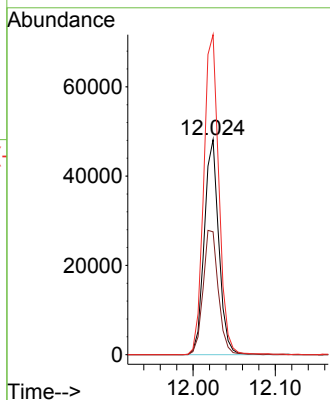
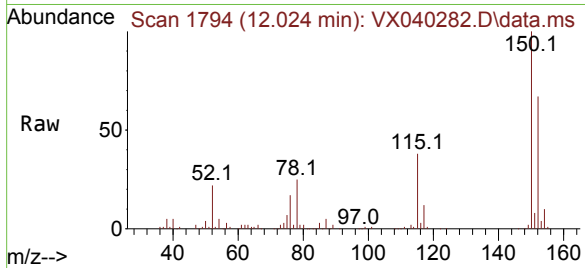




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX040282.D
 Acq: 16 Feb 2024 16:39

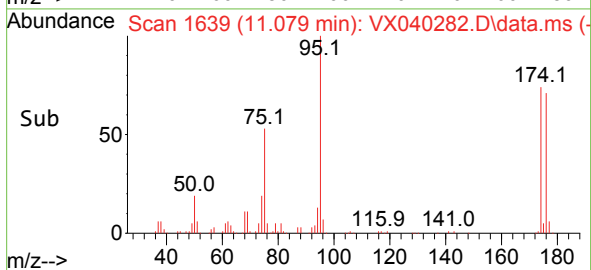
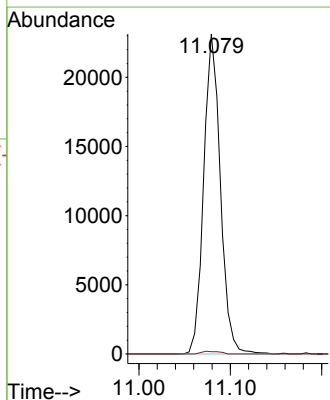
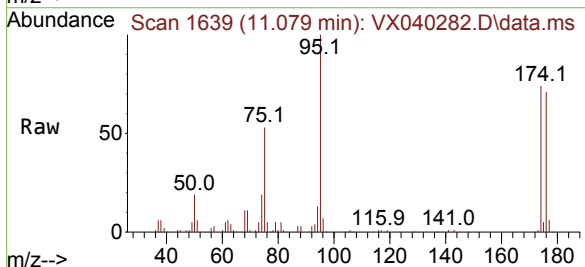
Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D1-20240215

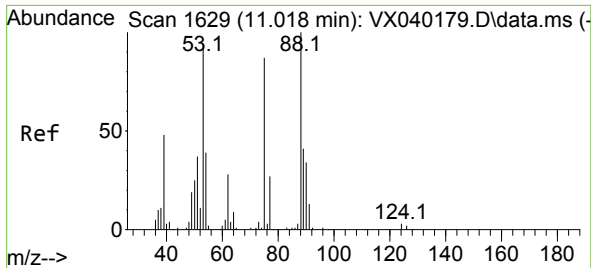
Tgt Ion:152 Resp: 59283
 Ion Ratio Lower Upper
 152 100
 115 60.5 43.3 129.9
 150 154.8 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 24.418 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX040282.D
 Acq: 16 Feb 2024 16:39

Tgt Ion: 75 Resp: 29314
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.250 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX040282.D
 Acq: 16 Feb 2024 16:39

Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D1-20240215

Tgt Ion: 75 Resp: 29314
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

