

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033123\
 Data File : VX034885.D
 Acq On : 31 Mar 2023 17:54
 Operator : JC/MD
 Sample : 02048-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: Apr 03 01:21:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

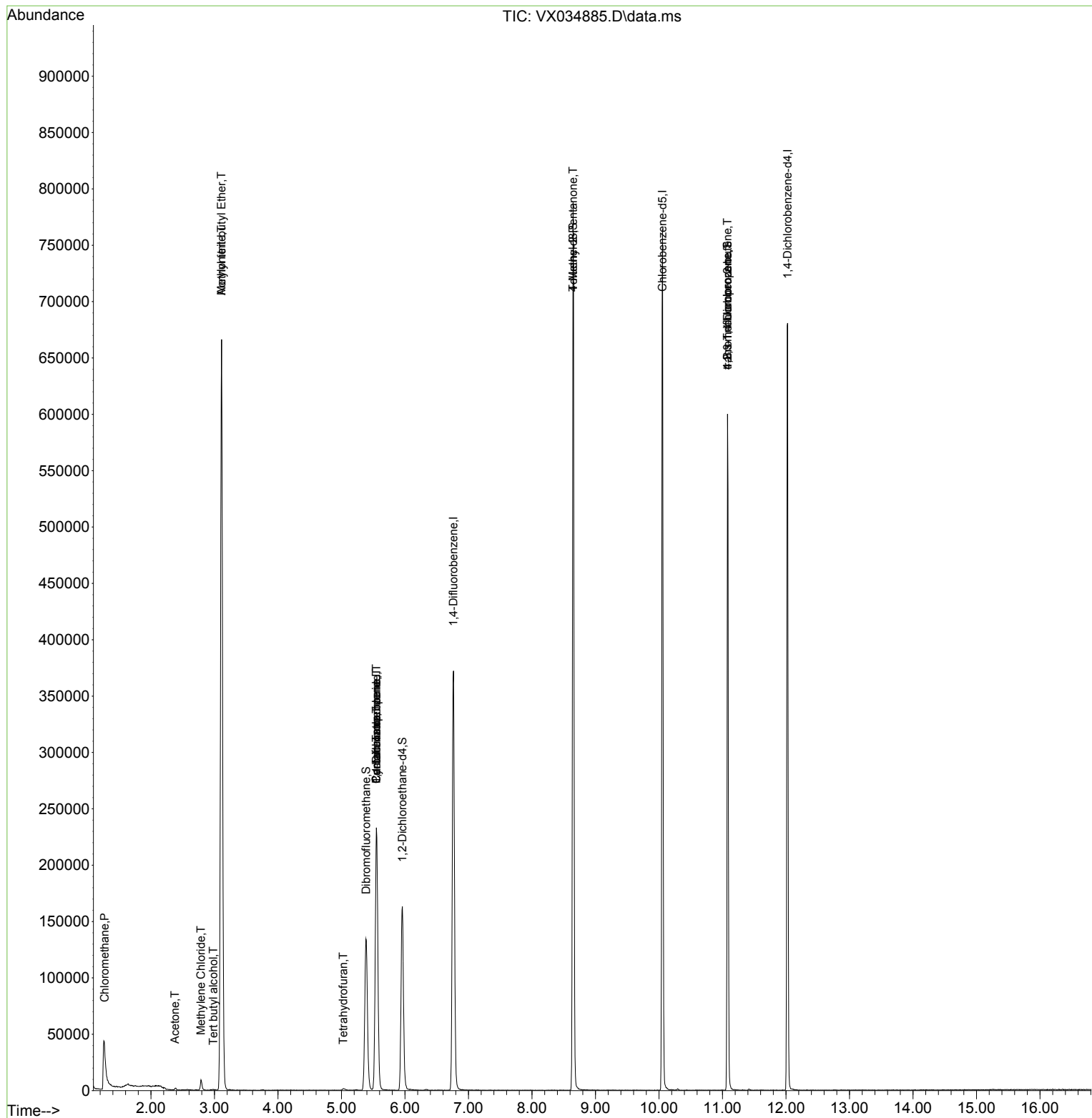
Internal Standards						
1) Pentafluorobenzene	5.550	168	212629	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	367421	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	323866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	137961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	156165	48.023	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.040%
35) Dibromofluoromethane	5.385	113	116660	48.004	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.000%
50) Toluene-d8	8.647	98	442129	49.290	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.580%
62) 4-Bromofluorobenzene	11.079	95	154645	44.551	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.100%
Target Compounds						
					Qvalue	
3) Chloromethane	1.270	50	1417	0.534	ug/l #	42
11) Tert butyl alcohol	2.983	59	805	1.411	ug/l #	73
15) Acrylonitrile	3.111	53	7857	6.118	ug/l #	29
16) Acetone	2.380	43	1864	1.411	ug/l #	83
19) Methyl tert-butyl Ether	3.111	73	700427	86.666	ug/l	100
20) Methylene Chloride	2.788	84	3736	1.433	ug/l	85
29) Tetrahydrofuran	5.026	42	1268	1.053	ug/l #	75
31) Cyclohexane	5.550	56	5408	1.366	ug/l #	10
36) 1,1-Dichloropropene	5.550	75	18722	5.200	ug/l #	51
38) Carbon Tetrachloride	5.550	117	22371	6.590	ug/l #	17
51) 4-Methyl-2-Pentanone	8.647	43	2298	0.616	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	84688	30.465	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	84688	91.302	ug/l #	8

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

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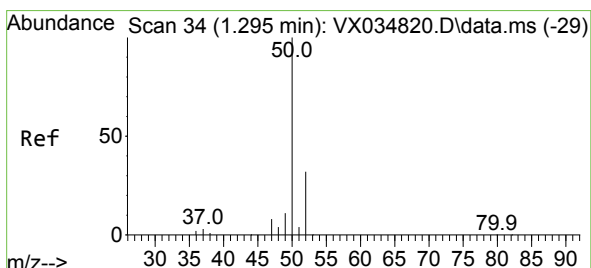
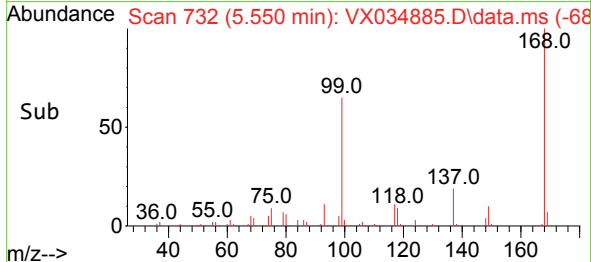
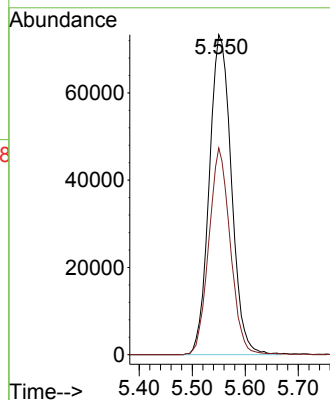
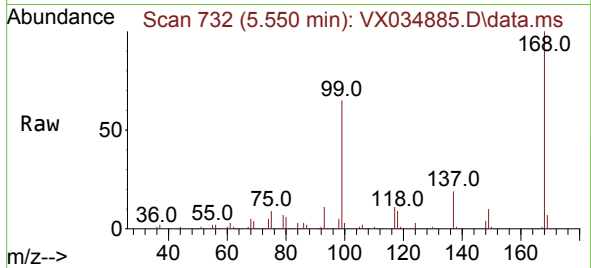




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034885.D
Acq: 31 Mar 2023 17:54

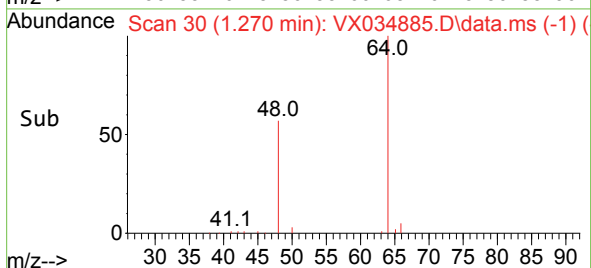
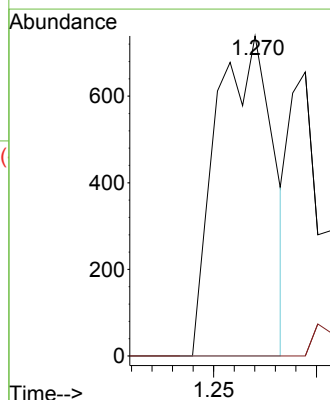
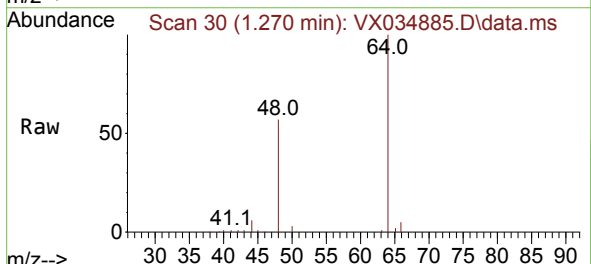
Instrument :
MSVOA_X
ClientSampleId :
MW-4

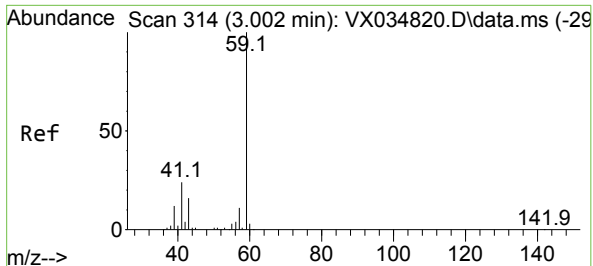
Tgt Ion:168 Resp: 212629
Ion Ratio Lower Upper
168 100
99 64.6 45.7 68.5



#3
Chloromethane
Concen: 0.534 ug/l
RT: 1.270 min Scan# 30
Delta R.T. -0.024 min
Lab File: VX034885.D
Acq: 31 Mar 2023 17:54

Tgt Ion: 50 Resp: 1417
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#





#11

Tert butyl alcohol

Concen: 1.411 ug/l

RT: 2.983 min Scan# 311

Delta R.T. -0.018 min

Lab File: VX034885.D

Acq: 31 Mar 2023 17:54

Instrument :

MSVOA_X

ClientSampleId :

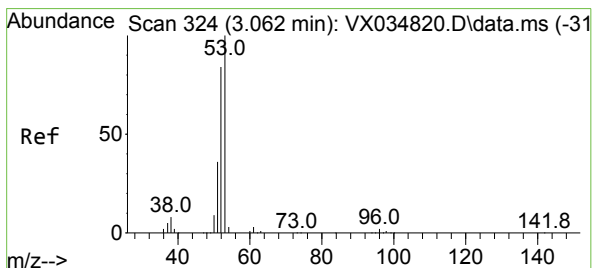
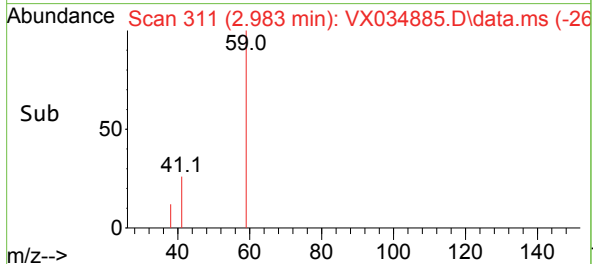
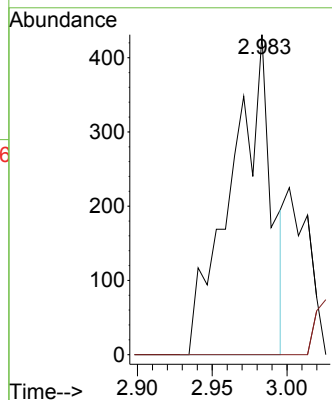
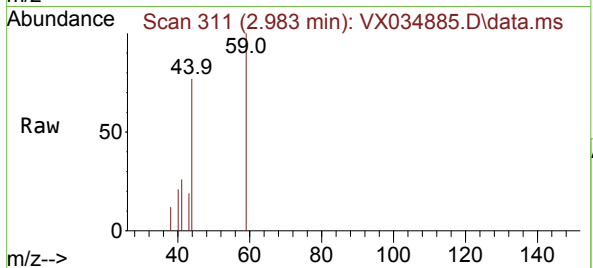
MW-4

Tgt Ion: 59 Resp: 805

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#15

Acrylonitrile

Concen: 6.118 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.049 min

Lab File: VX034885.D

Acq: 31 Mar 2023 17:54

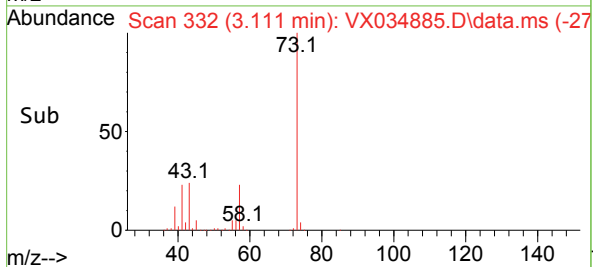
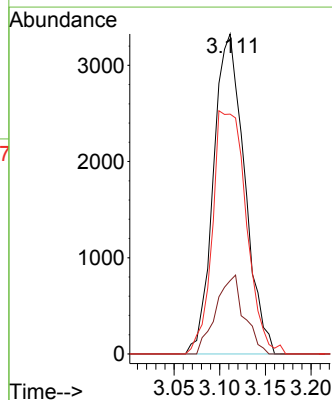
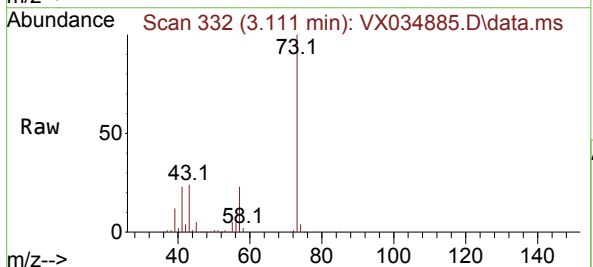
Tgt Ion: 53 Resp: 7857

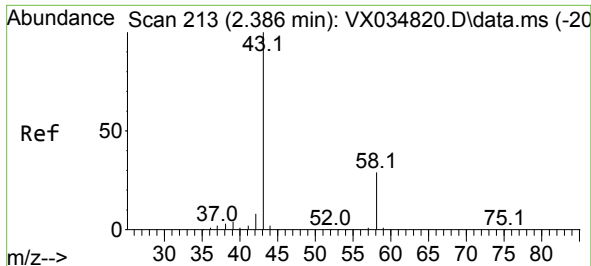
Ion Ratio Lower Upper

53 100

52 22.4 66.2 99.2#

51 82.7 28.3 42.5#

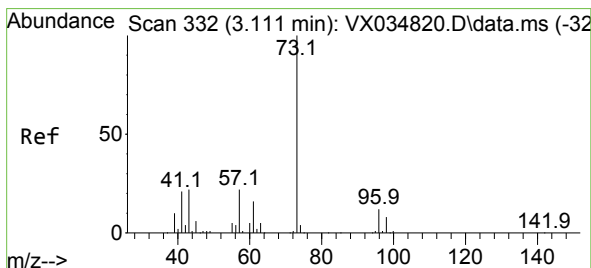
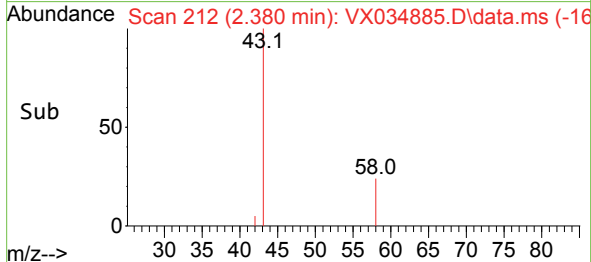
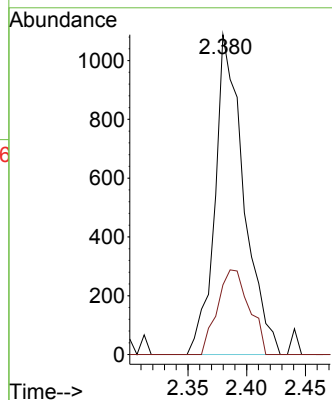
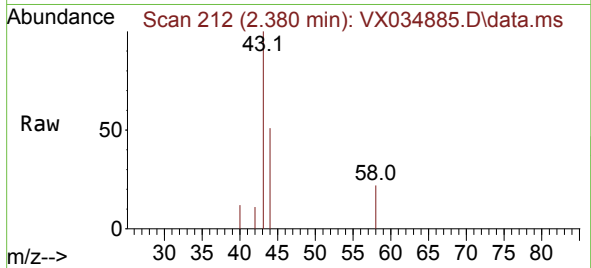




#16
Acetone
Concen: 1.411 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX034885.D
Acq: 31 Mar 2023 17:54

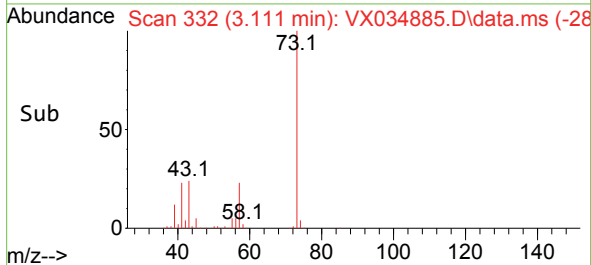
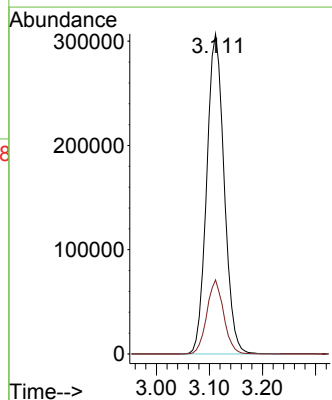
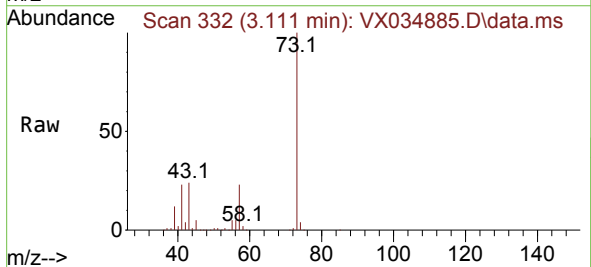
Instrument :
MSVOA_X
ClientSampleId :
MW-4

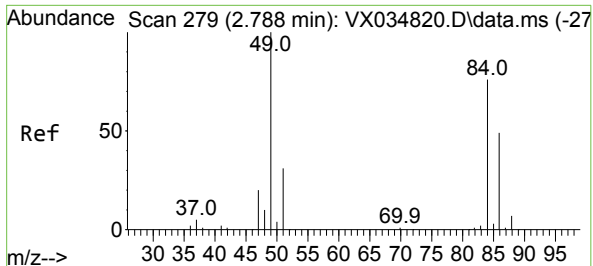
Tgt Ion: 43 Resp: 1864
Ion Ratio Lower Upper
43 100
58 21.8 24.7 37.1#



#19
Methyl tert-butyl Ether
Concen: 86.666 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX034885.D
Acq: 31 Mar 2023 17:54

Tgt Ion: 73 Resp: 700427
Ion Ratio Lower Upper
73 100
57 23.1 18.5 27.7

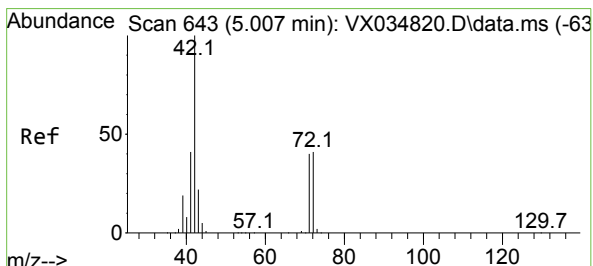
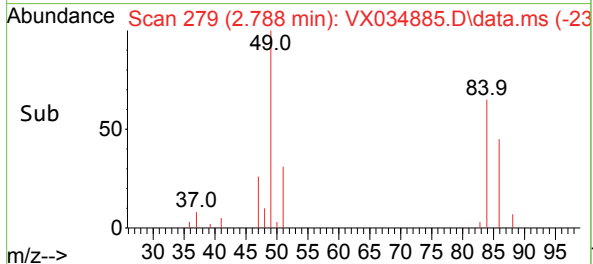
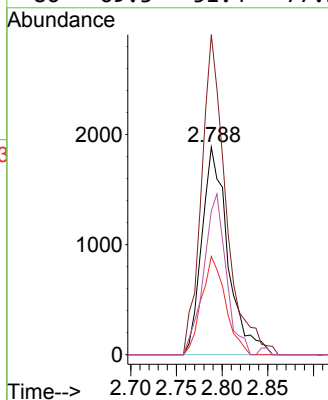
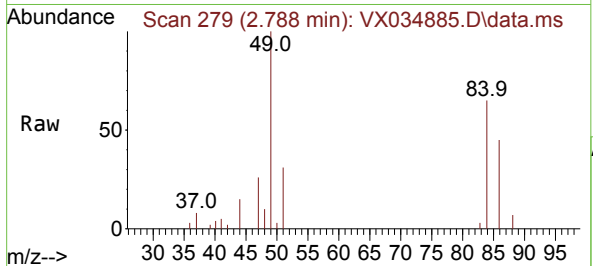




#20
Methylene Chloride
Concen: 1.433 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX034885.D
Acq: 31 Mar 2023 17:54

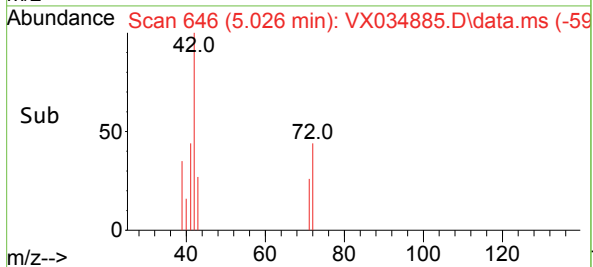
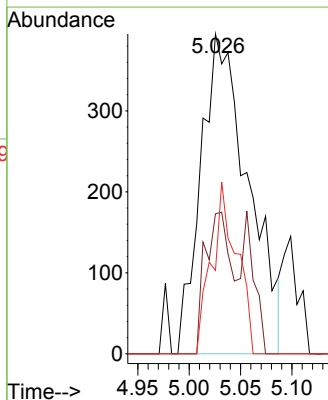
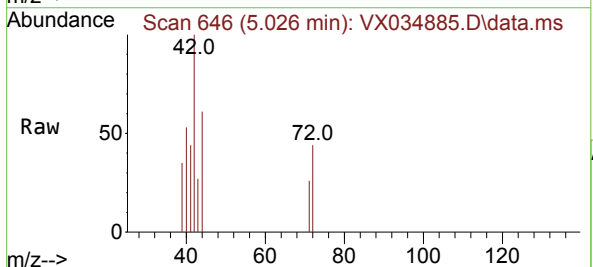
Instrument :
MSVOA_X
ClientSampleId :
MW-4

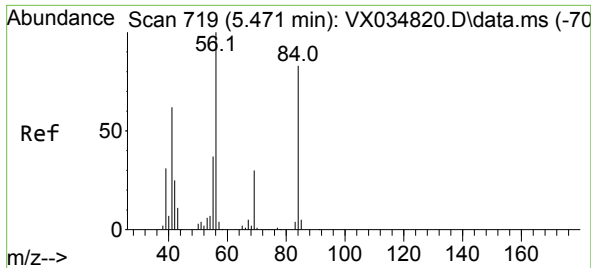
Tgt Ion:	84	Resp:	3736
Ion	Ratio	Lower	Upper
84	100		
49	154.2	103.8	155.8
51	47.4	31.8	47.8
86	69.3	51.4	77.2



#29
Tetrahydrofuran
Concen: 1.053 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.018 min
Lab File: VX034885.D
Acq: 31 Mar 2023 17:54

Tgt Ion:	42	Resp:	1268
Ion	Ratio	Lower	Upper
42	100		
72	23.5	34.5	51.7#
71	28.2	32.1	48.1#

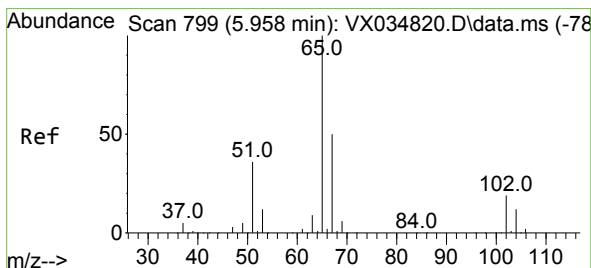
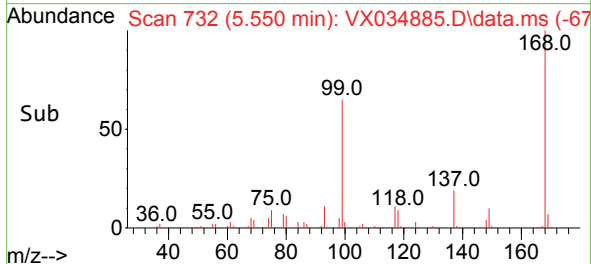
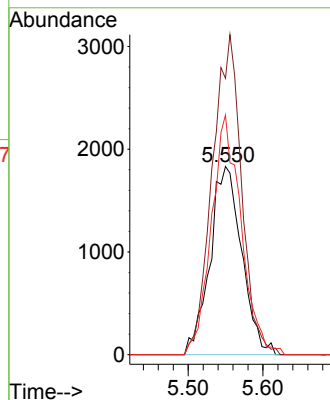
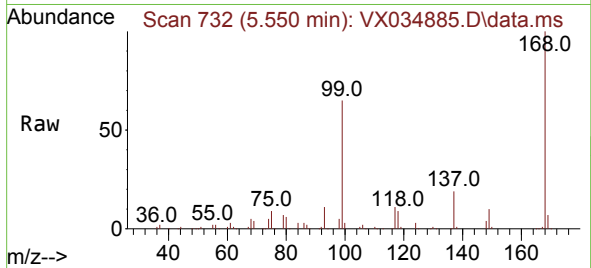




#31
Cyclohexane
Concen: 1.366 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX034885.D
Acq: 31 Mar 2023 17:54

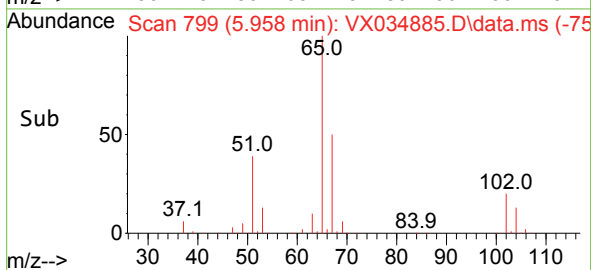
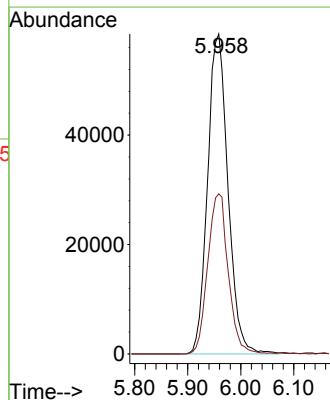
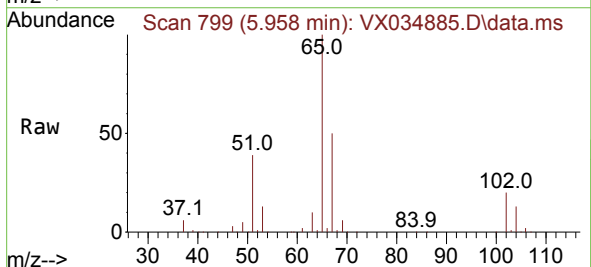
Instrument :
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MW-4

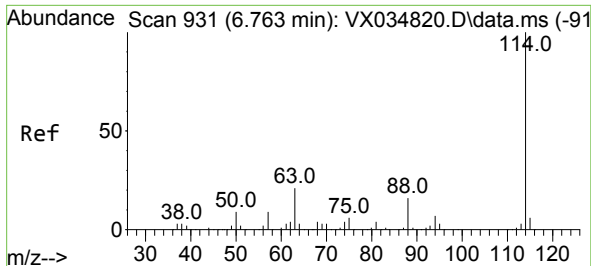
Tgt Ion: 56 Resp: 5408
Ion Ratio Lower Upper
56 100
69 146.8 23.7 35.5#
84 127.3 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 48.023 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX034885.D
Acq: 31 Mar 2023 17:54

Tgt Ion: 65 Resp: 156165
Ion Ratio Lower Upper
65 100
67 50.3 0.0 104.0

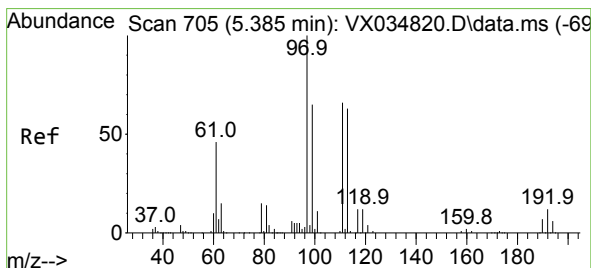
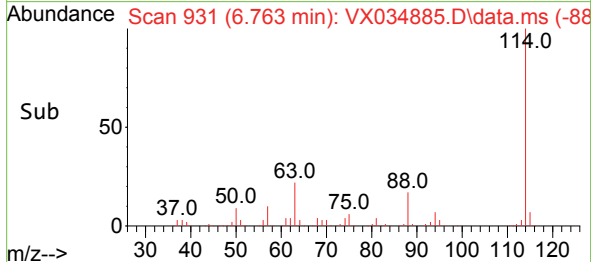
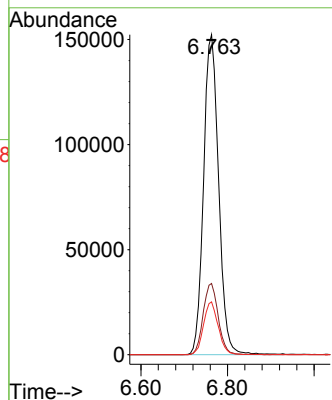
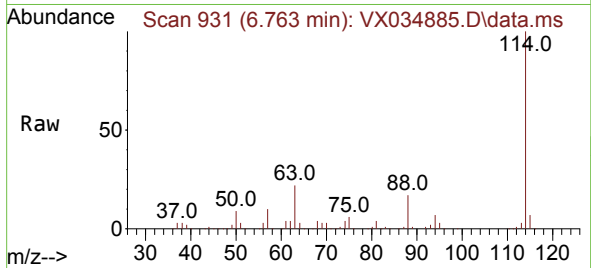




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX034885.D
Acq: 31 Mar 2023 17:54

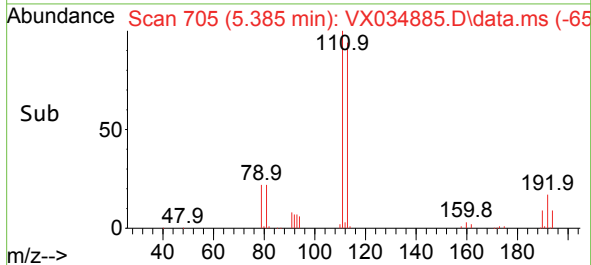
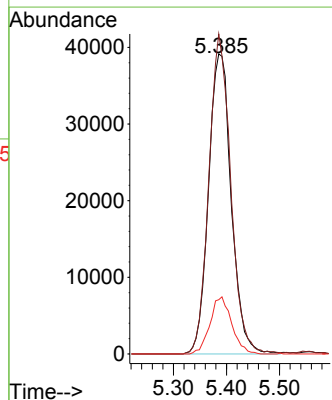
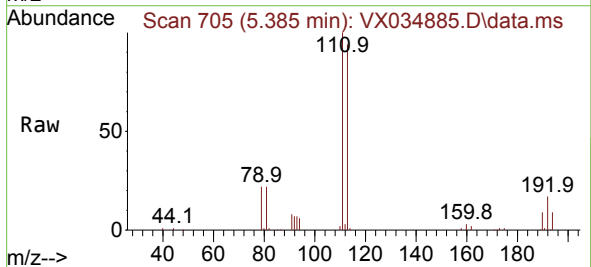
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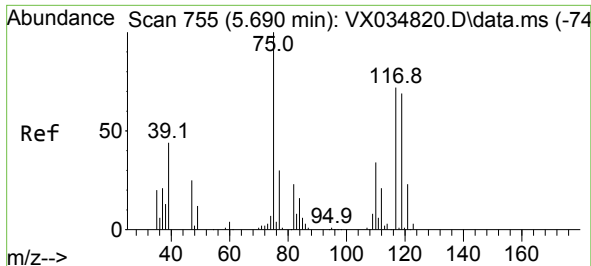
Tgt Ion:114 Resp: 367421
Ion Ratio Lower Upper
114 100
63 22.3 0.0 42.2
88 16.5 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.004 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034885.D
Acq: 31 Mar 2023 17:54

Tgt Ion:113 Resp: 116660
Ion Ratio Lower Upper
113 100
111 102.5 83.7 125.5
192 18.2 15.4 23.2

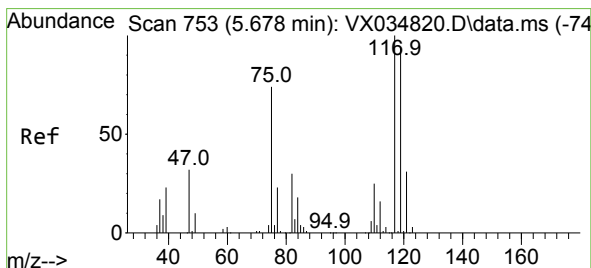
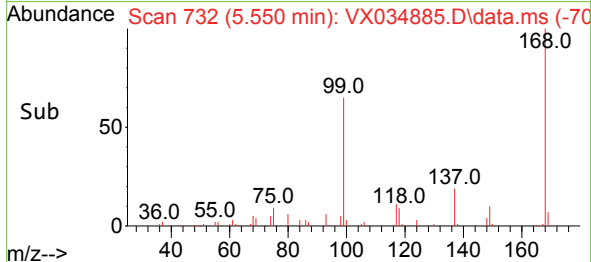
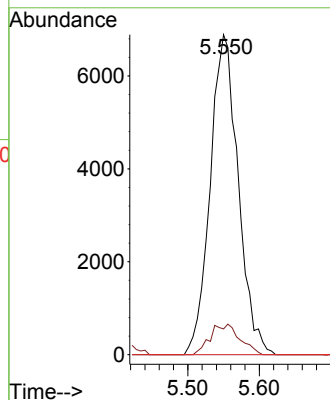
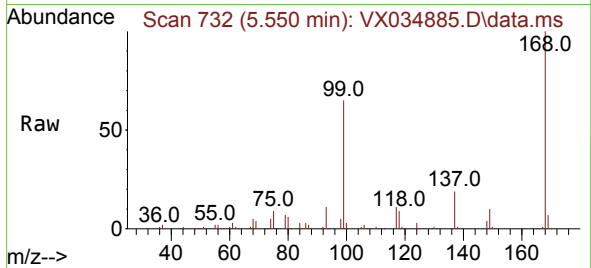




#36
1,1-Dichloropropene
Concen: 5.200 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX034885.D
Acq: 31 Mar 2023 17:54

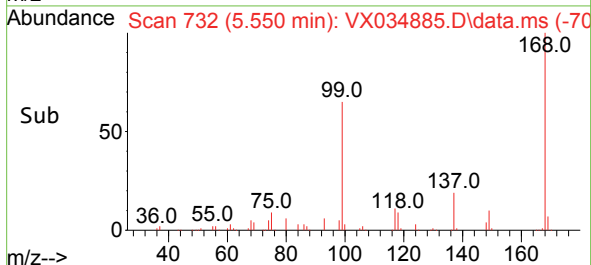
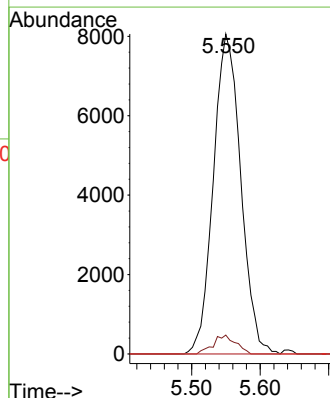
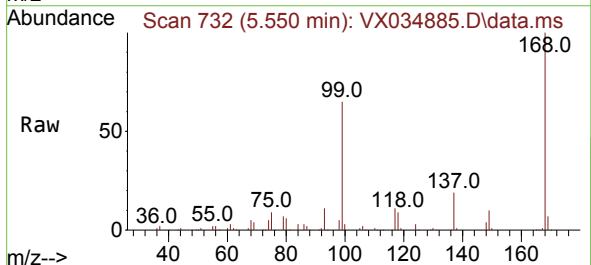
Instrument :
MSVOA_X
ClientSampleId :
MW-4

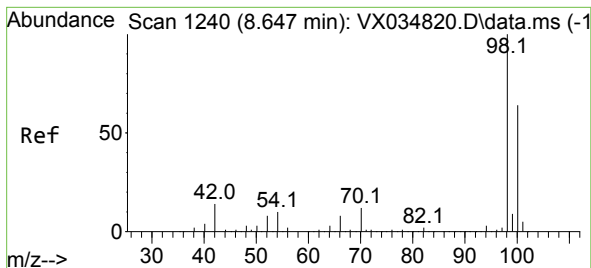
Tgt Ion: 75 Resp: 18722
Ion Ratio Lower Upper
75 100
110 10.1 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 6.590 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX034885.D
Acq: 31 Mar 2023 17:54

Tgt Ion: 117 Resp: 22371
Ion Ratio Lower Upper
117 100
119 5.9 76.6 114.8#
121 0.0 23.8 35.6#





#50

Toluene-d8

Concen: 49.290 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX034885.D

Acq: 31 Mar 2023 17:54

Instrument :

MSVOA_X

ClientSampleId :

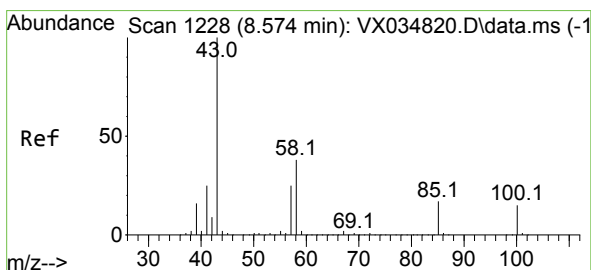
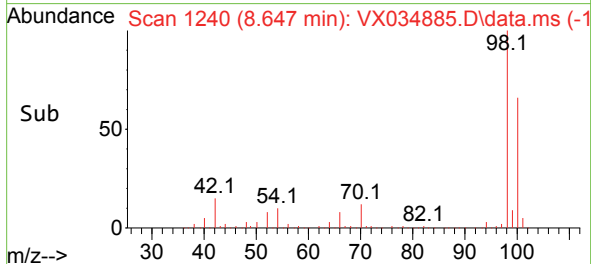
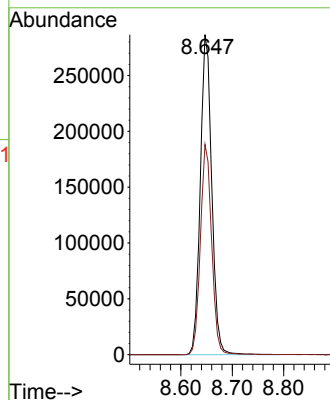
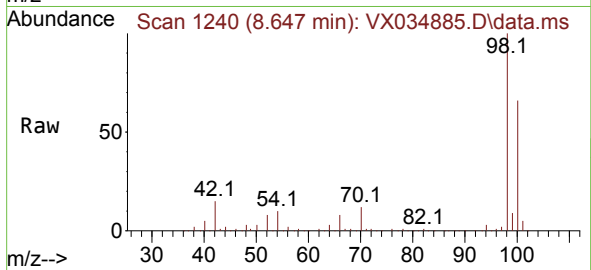
MW-4

Tgt Ion: 98 Resp: 442129

Ion Ratio Lower Upper

98 100

100 64.9 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.616 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX034885.D

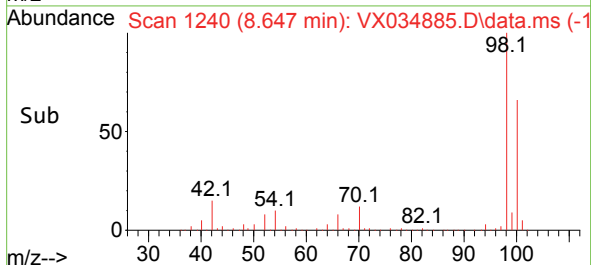
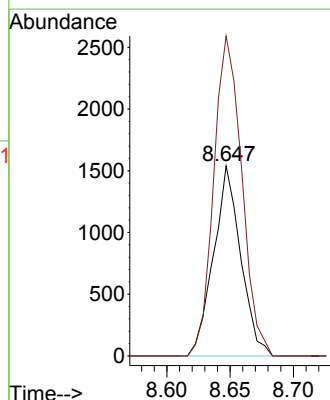
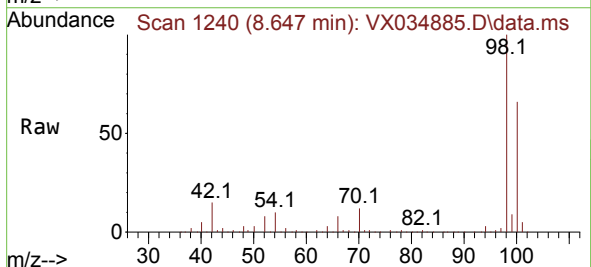
Acq: 31 Mar 2023 17:54

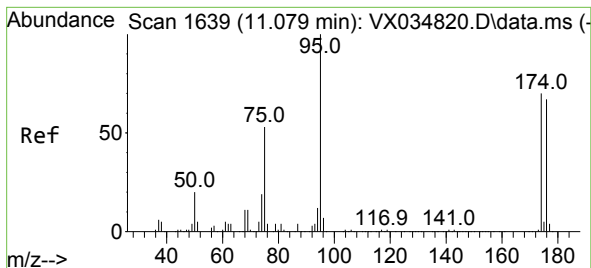
Tgt Ion: 43 Resp: 2298

Ion Ratio Lower Upper

43 100

58 173.7 30.6 46.0#

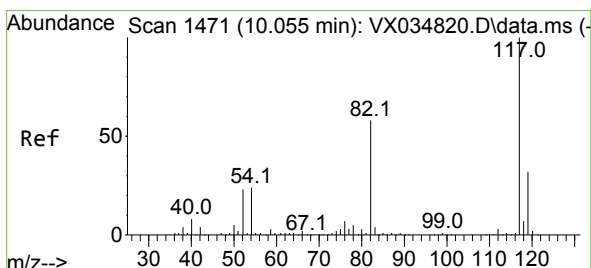
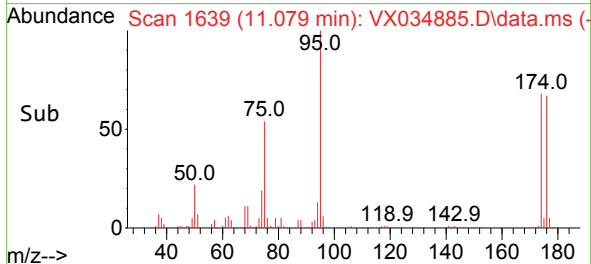
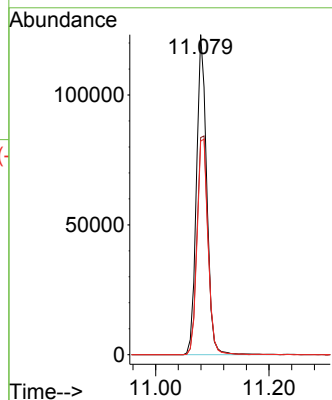
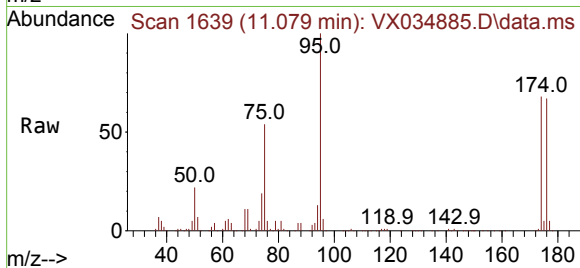




#62
4-Bromofluorobenzene
Concen: 44.551 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX034885.D
Acq: 31 Mar 2023 17:54

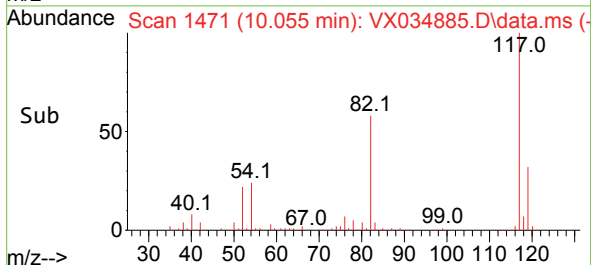
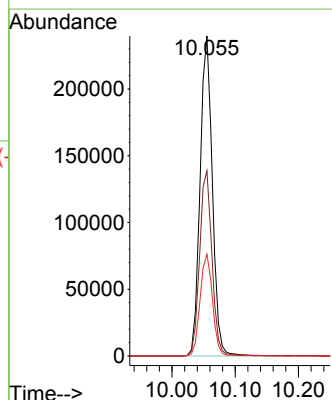
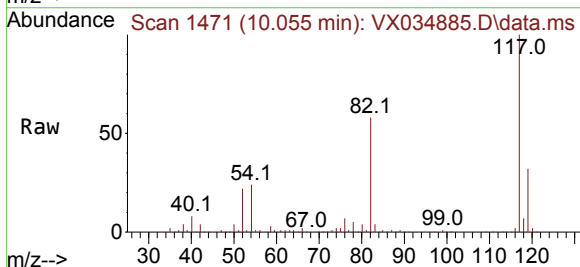
Instrument :
MSVOA_X
ClientSampleId :
MW-4

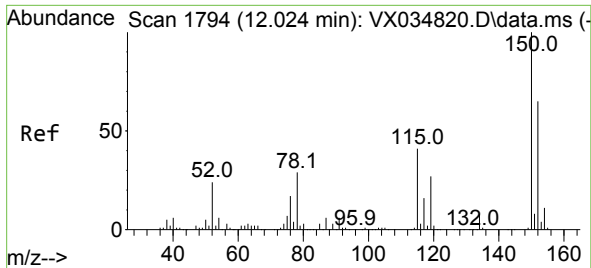
Tgt Ion: 95 Resp: 154645
Ion Ratio Lower Upper
95 100
174 73.6 0.0 147.4
176 71.5 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034885.D
Acq: 31 Mar 2023 17:54

Tgt Ion: 117 Resp: 323866
Ion Ratio Lower Upper
117 100
82 57.8 45.0 67.4
119 31.7 26.0 39.0

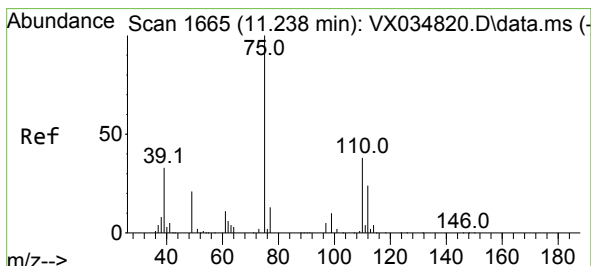
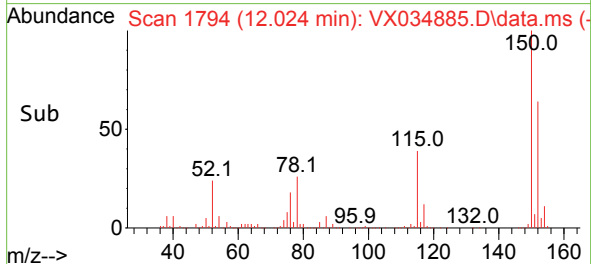
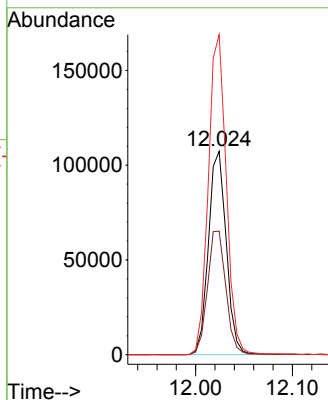
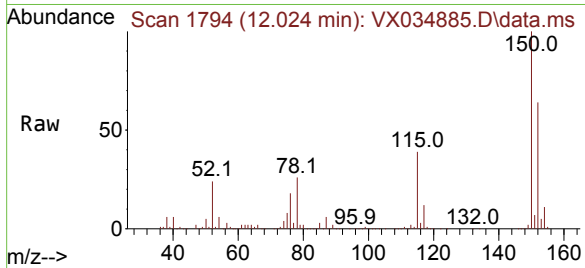




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX034885.D
 Acq: 31 Mar 2023 17:54

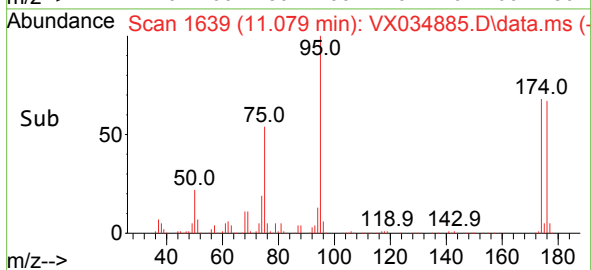
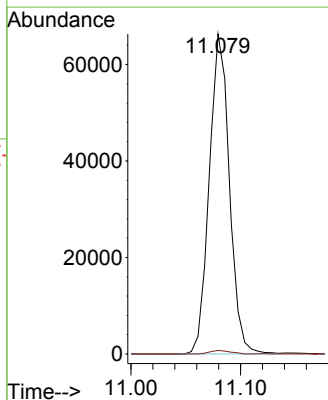
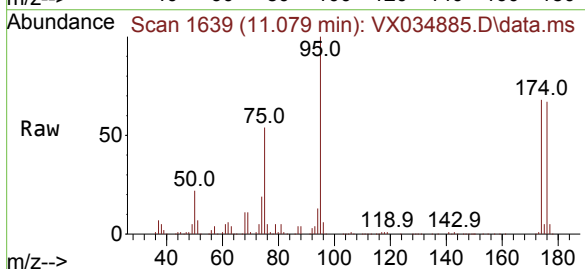
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

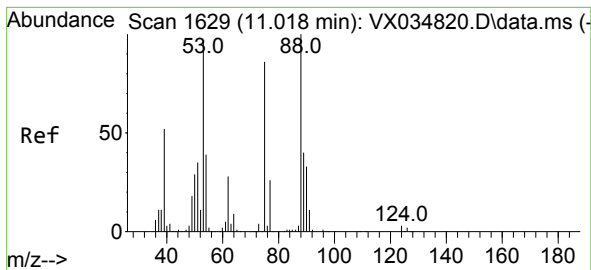
Tgt Ion:152 Resp: 137961
 Ion Ratio Lower Upper
 152 100
 115 62.7 45.0 135.0
 150 157.9 0.0 352.4



#76
 1,2,3-Trichloropropane
 Concen: 30.465 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX034885.D
 Acq: 31 Mar 2023 17:54

Tgt Ion: 75 Resp: 84688
 Ion Ratio Lower Upper
 75 100
 77 1.1 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.302 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX034885.D
 Acq: 31 Mar 2023 17:54

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Tgt Ion: 75 Resp: 84688
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

