

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090223\
 Data File : VX037488.D
 Acq On : 02 Sep 2023 17:15
 Operator : JC/MD
 Sample : 04269-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11A-13.5-083123

Quant Time: Sep 04 04:30:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

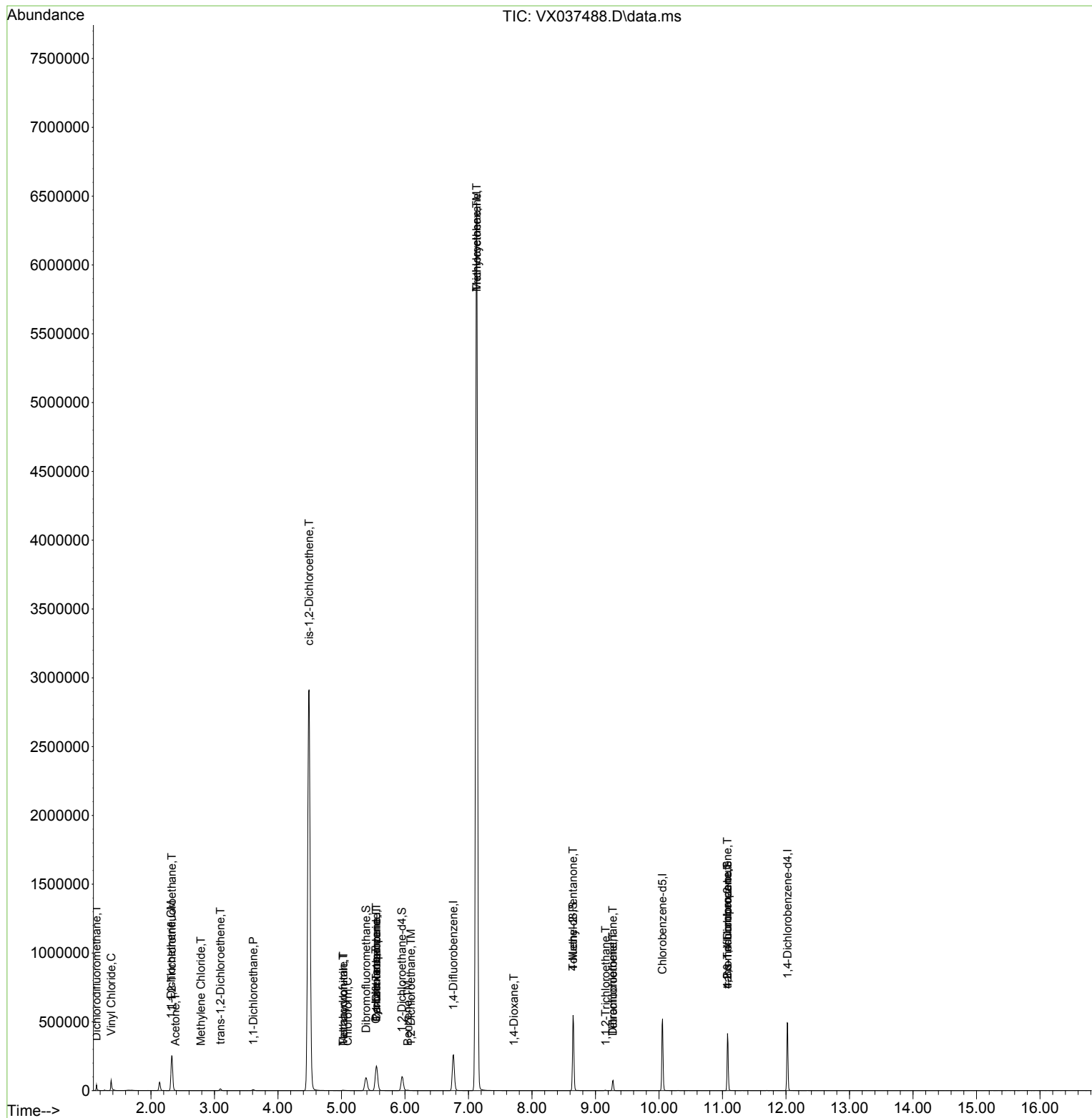
Internal Standards						
1) Pentafluorobenzene	5.550	168	168104	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	281198	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	248093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	101819	42.013	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	84.020%
35) Dibromofluoromethane	5.385	113	84935	45.607	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.220%
50) Toluene-d8	8.647	98	326571	48.343	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.680%
62) 4-Bromofluorobenzene	11.079	95	116443	43.862	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.142	85	3536	1.811	ug/l	100
4) Vinyl Chloride	1.374	62	58165	31.279	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	100543	56.580	ug/l	97
12) 1,1-Dichloroethene	2.319	96	6684	3.863	ug/l	85
16) Acetone	2.386	43	1547	1.632	ug/l #	89
20) Methylene Chloride	2.788	84	536	0.253	ug/l #	81
21) trans-1,2-Dichloroethene	3.093	96	5843	2.970	ug/l	93
24) 1,1-Dichloroethane	3.611	63	8612	2.499	ug/l #	91
27) cis-1,2-Dichloroethene	4.489	96	2014740	868.774	ug/l	77
29) Tetrahydrofuran	5.026	42	3323	3.650	ug/l #	79
30) Chloroform	5.099	83	1028	0.266	ug/l	99
31) Cyclohexane	5.544	56	3262	1.197	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	12648	4.780	ug/l #	51
38) Carbon Tetrachloride	5.550	117	17551	6.107	ug/l #	15
39) Methylcyclohexane	7.129	83	30182	10.857	ug/l #	1
40) Benzene	6.044	78	3637	0.479	ug/l	99
41) Methacrylonitrile	5.032	41	1902	1.354	ug/l #	46
42) 1,2-Dichloroethane	6.092	62	917	0.308	ug/l #	77
44) Trichloroethene	7.129	130	2644028	1228.813	ug/l	93
49) 1,4-Dioxane	7.714	88	108	1.916	ug/l #	72
51) 4-Methyl-2-Pentanone	8.647	43	1099	0.422	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	1205	0.590	ug/l	91
60) Dibromochloromethane	9.275	129	13828	6.362	ug/l #	11
64) Tetrachloroethene	9.275	164	14076	7.777	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	56302	24.254	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	56302	67.742	ug/l #	5

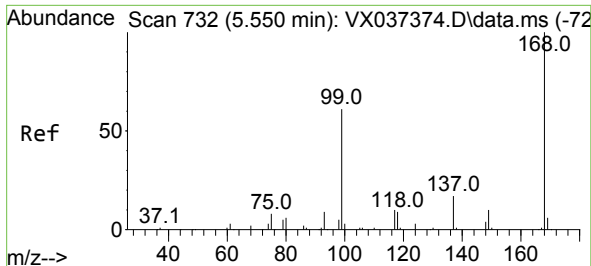
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090223\
Data File : VX037488.D
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MW-11A-13.5-083123

Quant Time: Sep 04 04:30:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration

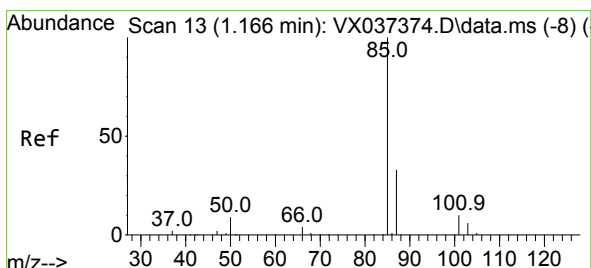
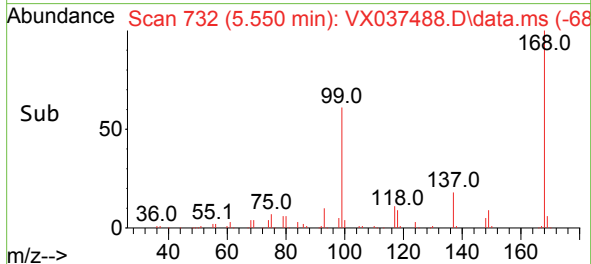
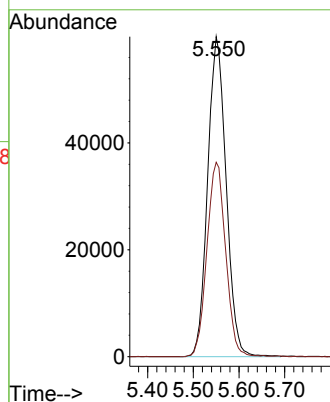
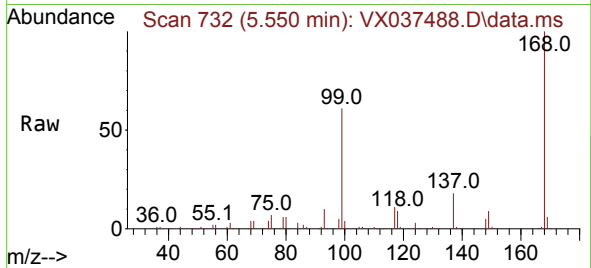




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037488.D
Acq: 02 Sep 2023 17:15

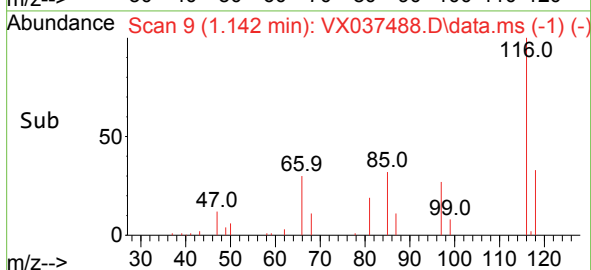
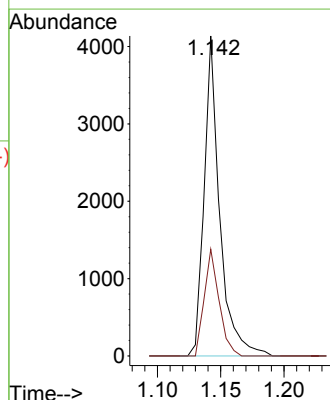
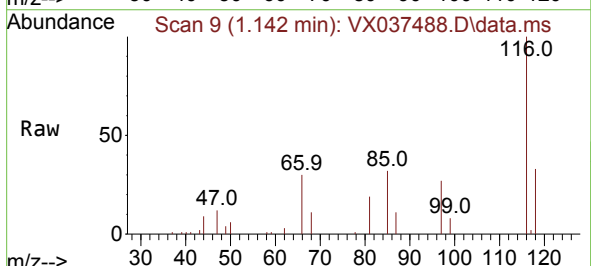
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123

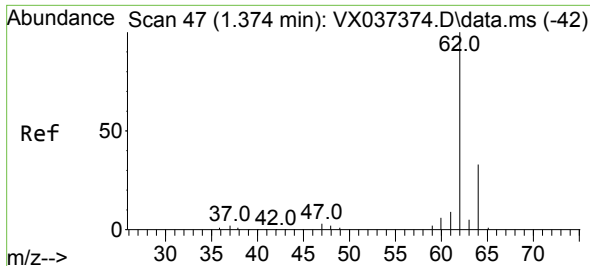
Tgt Ion:168 Resp: 168104
Ion Ratio Lower Upper
168 100
99 60.8 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 1.811 ug/l
RT: 1.142 min Scan# 9
Delta R.T. -0.024 min
Lab File: VX037488.D
Acq: 02 Sep 2023 17:15

Tgt Ion: 85 Resp: 3536
Ion Ratio Lower Upper
85 100
87 33.4 16.7 50.1

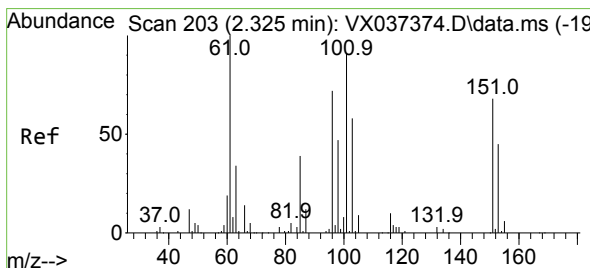
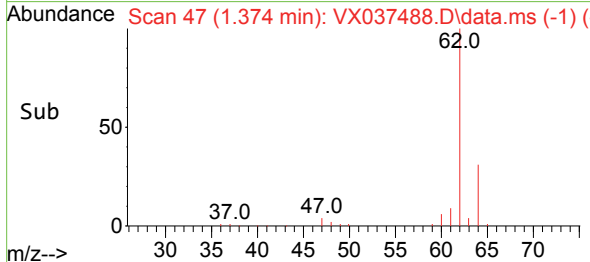
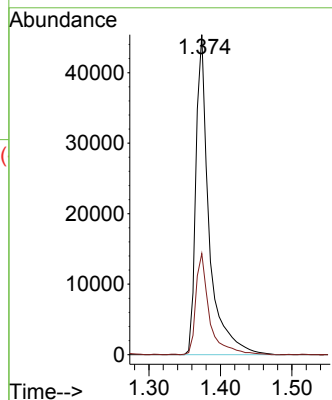
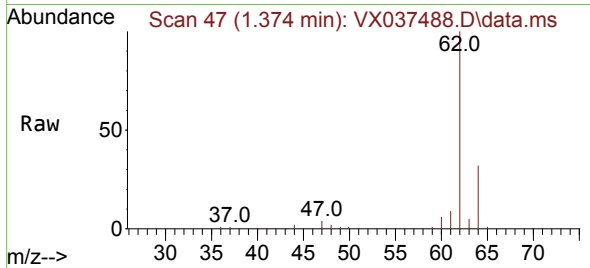




#4
 Vinyl Chloride
 Concen: 31.279 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX037488.D
 Acq: 02 Sep 2023 17:15

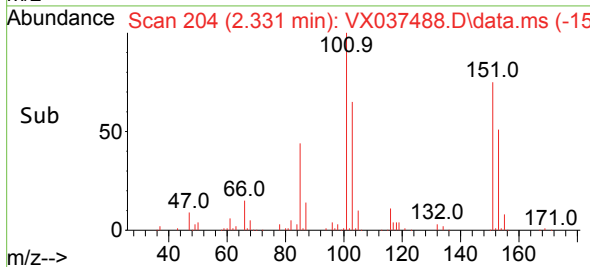
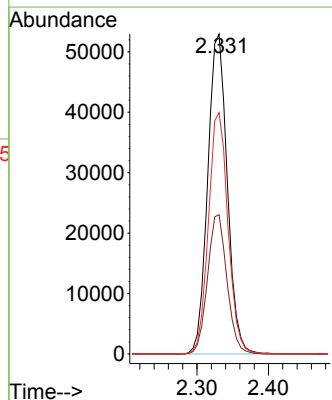
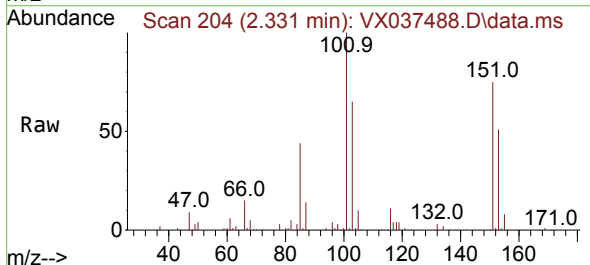
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11A-13.5-083123

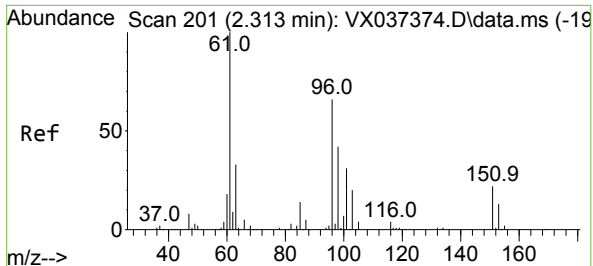
Tgt Ion: 62 Resp: 58165
 Ion Ratio Lower Upper
 62 100
 64 31.6 25.4 38.0



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 56.580 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: VX037488.D
 Acq: 02 Sep 2023 17:15

Tgt Ion: 101 Resp: 100543
 Ion Ratio Lower Upper
 101 100
 85 43.3 37.0 55.6
 151 75.5 58.6 87.8

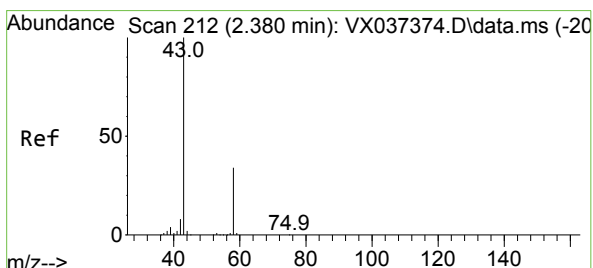
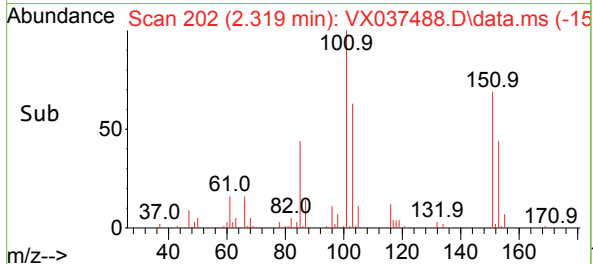
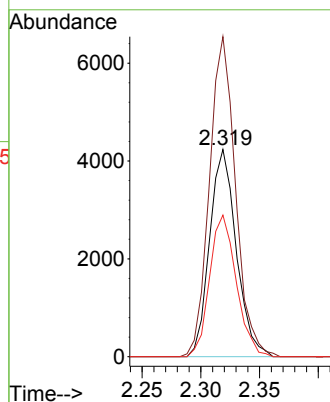
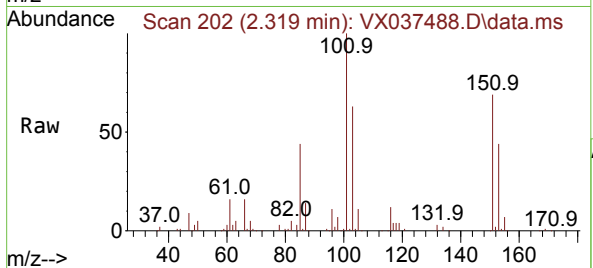




#12
1,1-Dichloroethene
Concen: 3.863 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX037488.D
Acq: 02 Sep 2023 17:15

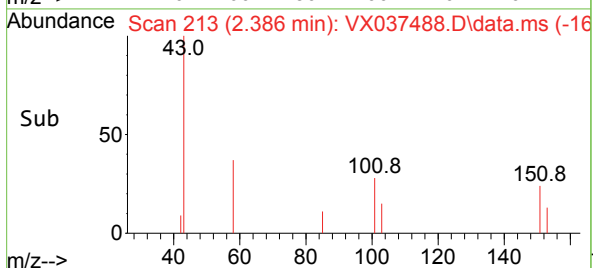
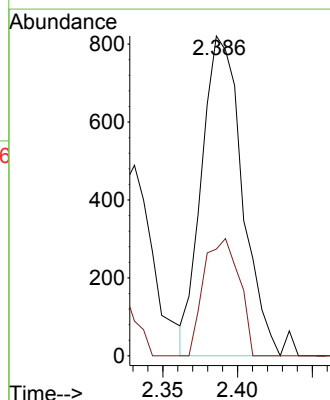
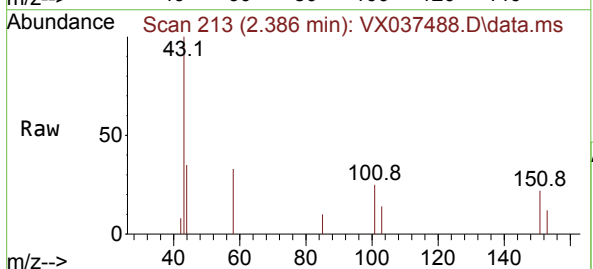
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123

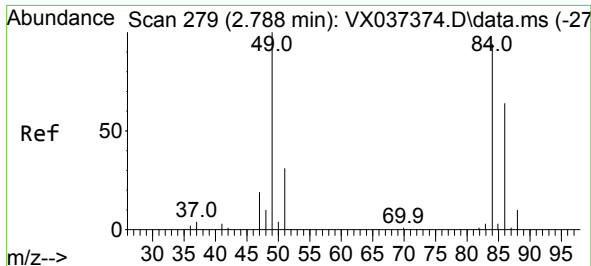
Tgt Ion: 96 Resp: 6684
Ion Ratio Lower Upper
96 100
61 154.4 144.6 216.8
98 68.3 50.4 75.6



#16
Acetone
Concen: 1.632 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX037488.D
Acq: 02 Sep 2023 17:15

Tgt Ion: 43 Resp: 1547
Ion Ratio Lower Upper
43 100
58 33.4 21.9 32.9#

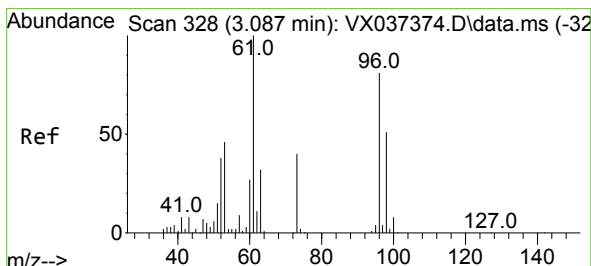
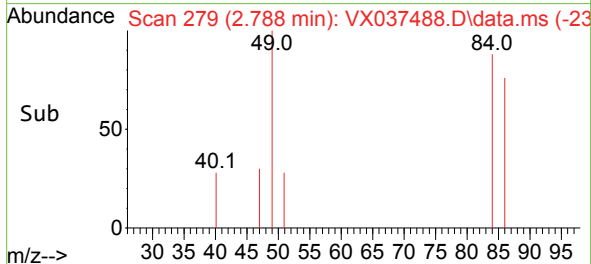
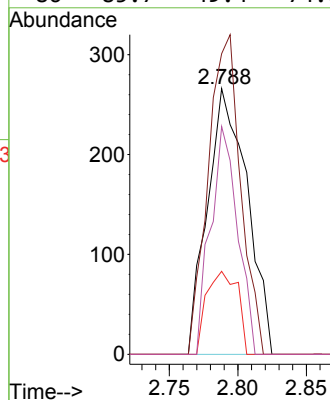
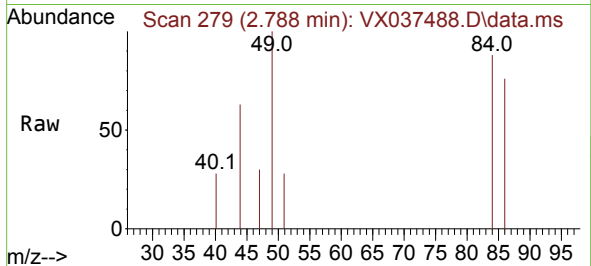




#20
Methylene Chloride
Concen: 0.253 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX037488.D
Acq: 02 Sep 2023 17:15

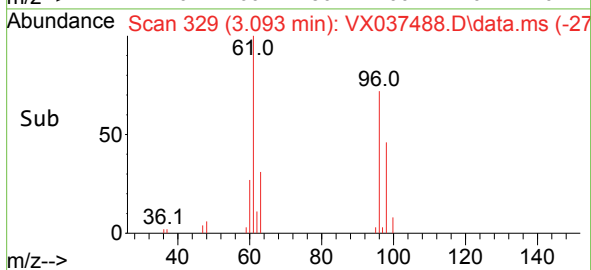
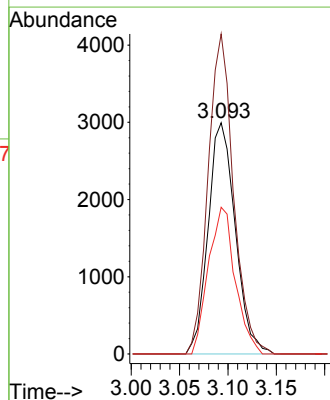
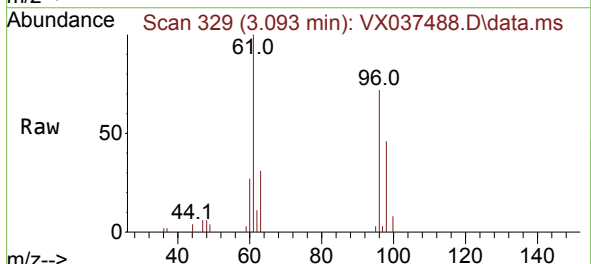
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123

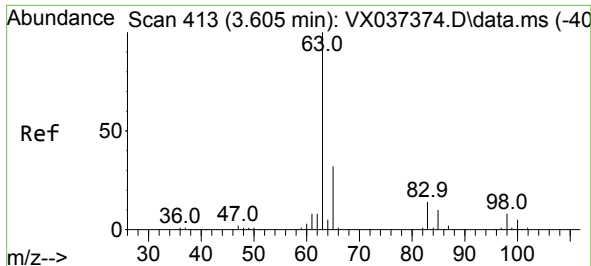
Tgt Ion: 84	Resp: 536
Ion Ratio	Lower Upper
84 100	
49 113.2	103.6 155.4
51 31.2	33.8 50.6#
86 85.7	49.4 74.0#



#21
trans-1,2-Dichloroethene
Concen: 2.970 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.006 min
Lab File: VX037488.D
Acq: 02 Sep 2023 17:15

Tgt Ion: 96	Resp: 5843		
Ion Ratio	Lower	Upper	
96 100			
61 138.4	119.2	178.8	
98 63.5	48.7	73.1	

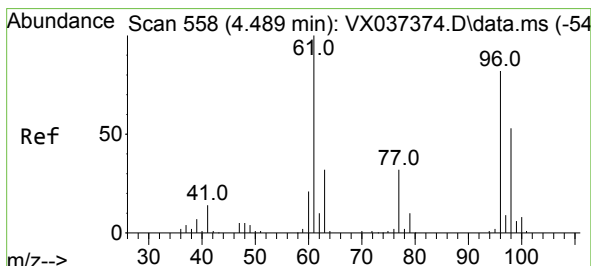
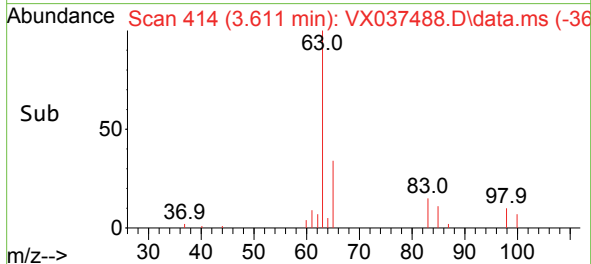
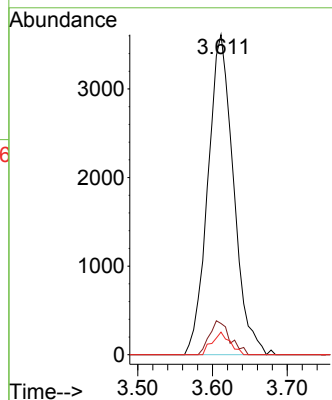
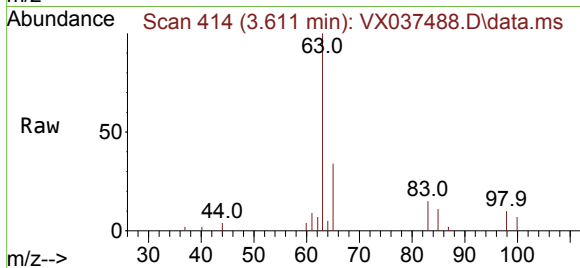




#24
 1,1-Dichloroethane
 Concen: 2.499 ug/l
 RT: 3.611 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VX037488.D
 Acq: 02 Sep 2023 17:15

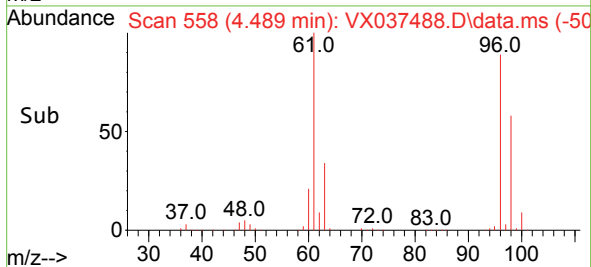
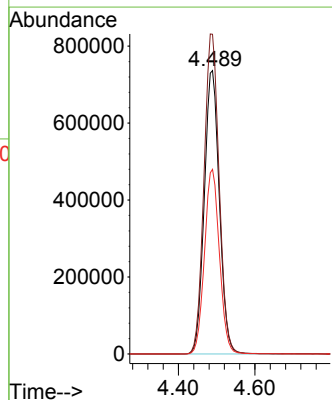
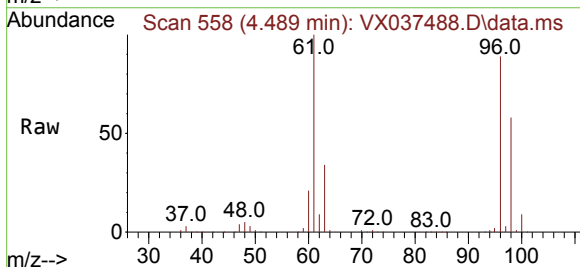
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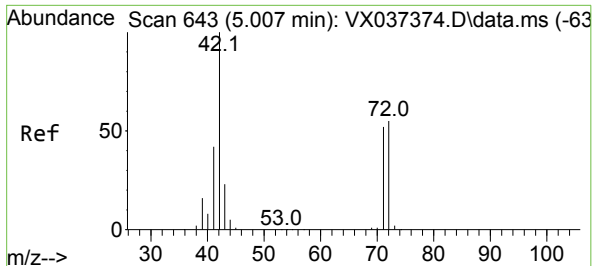
Tgt Ion: 63 Resp: 8612
 Ion Ratio Lower Upper
 63 100
 98 9.7 3.3 9.8
 100 7.1 2.1 6.5#



#27
 cis-1,2-Dichloroethene
 Concen: 868.774 ug/l
 RT: 4.489 min Scan# 558
 Delta R.T. 0.000 min
 Lab File: VX037488.D
 Acq: 02 Sep 2023 17:15

Tgt Ion: 96 Resp: 2014740
 Ion Ratio Lower Upper
 96 100
 61 113.8 0.0 312.2
 98 64.6 0.0 129.0





#29

Tetrahydrofuran

Concen: 3.650 ug/l

RT: 5.026 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX037488.D

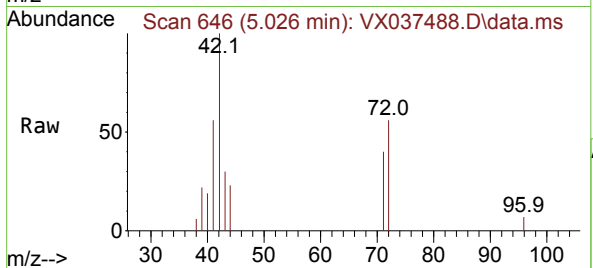
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Instrument :

MSVOA_X

ClientSampleId :

MW-11A-13.5-083123



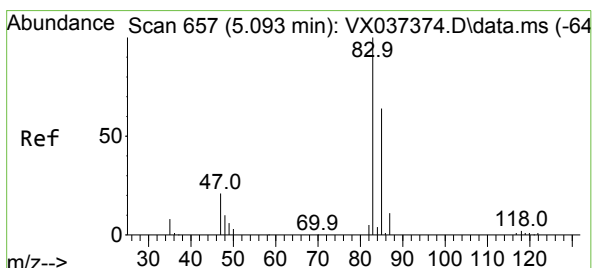
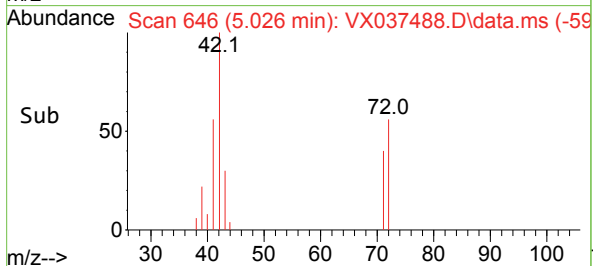
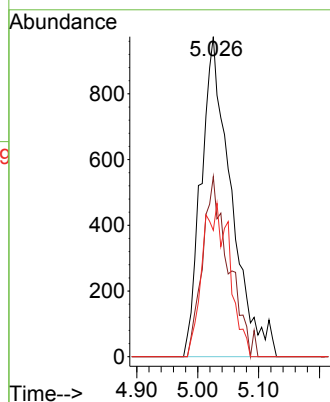
Tgt Ion: 42 Resp: 3323

Ion Ratio Lower Upper

42 100

72 49.2 34.2 51.4

71 20.2 32.2 48.2#



#30

Chloroform

Concen: 0.266 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.006 min

Lab File: VX037488.D

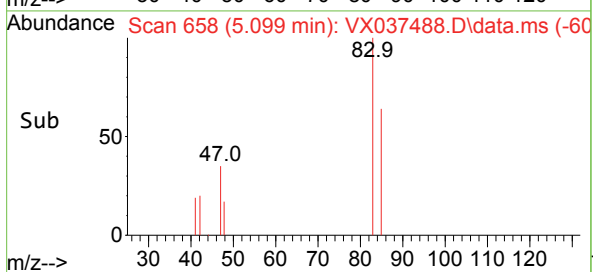
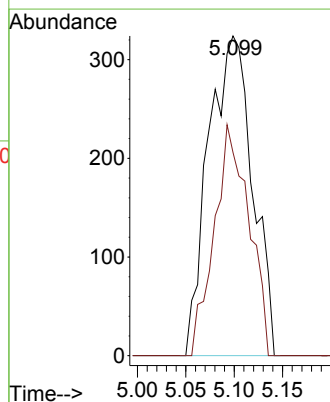
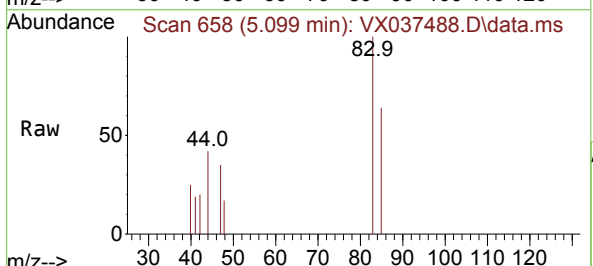
Acq: 02 Sep 2023 17:15

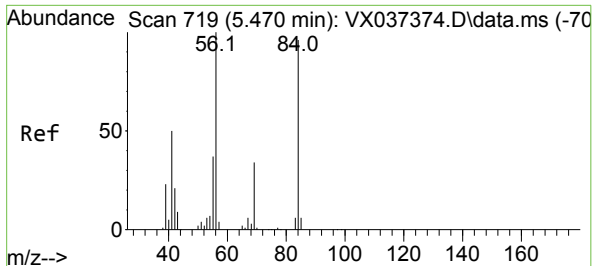
Tgt Ion: 83 Resp: 1028

Ion Ratio Lower Upper

83 100

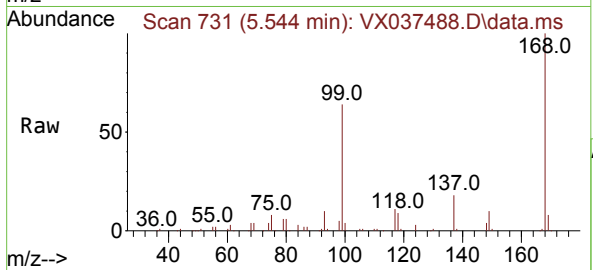
85 63.6 50.3 75.5



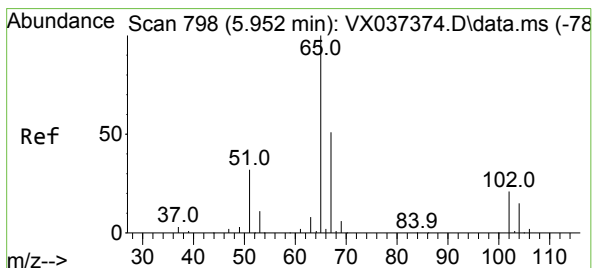
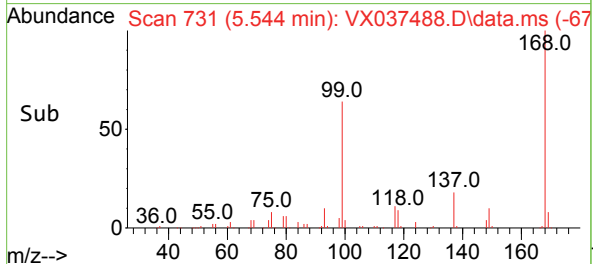
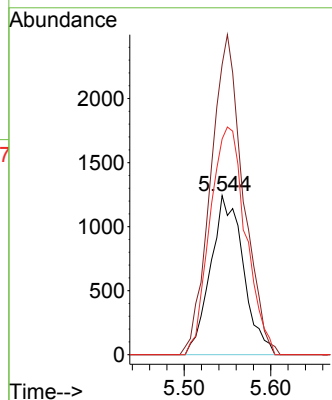


#31
Cyclohexane
Concen: 1.197 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX037488.D
Acq: 02 Sep 2023 17:15

Instrument :
MSVOA_X
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MW-11A-13.5-083123

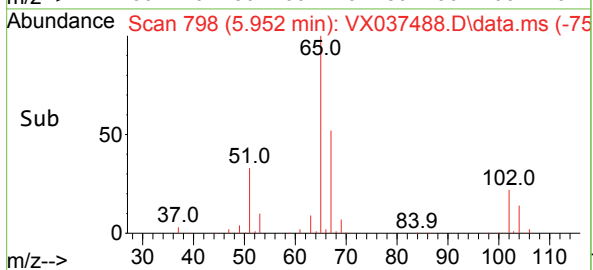
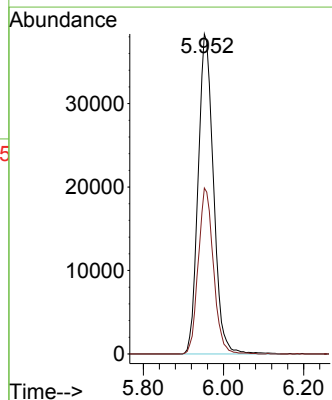
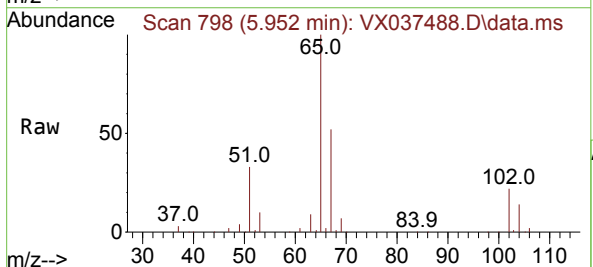


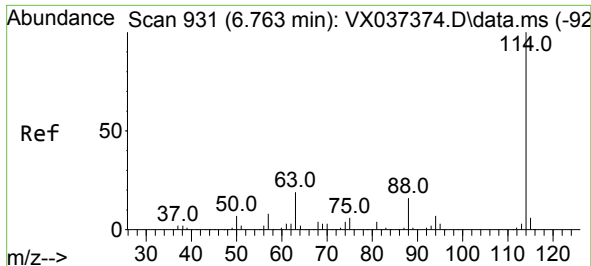
Tgt Ion: 56 Resp: 3262
Ion Ratio Lower Upper
56 100
69 182.4 23.4 35.2#
84 135.6 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 42.013 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037488.D
Acq: 02 Sep 2023 17:15

Tgt Ion: 65 Resp: 101819
Ion Ratio Lower Upper
65 100
67 51.3 0.0 100.2

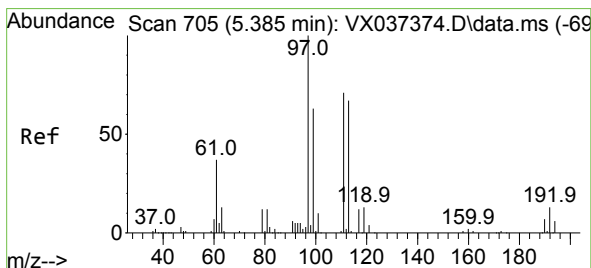
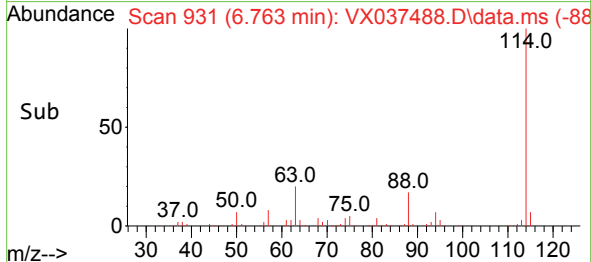
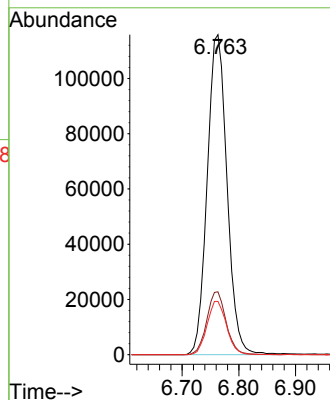
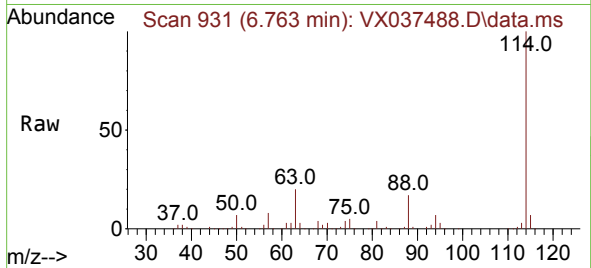




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX037488.D
Acq: 02 Sep 2023 17:15

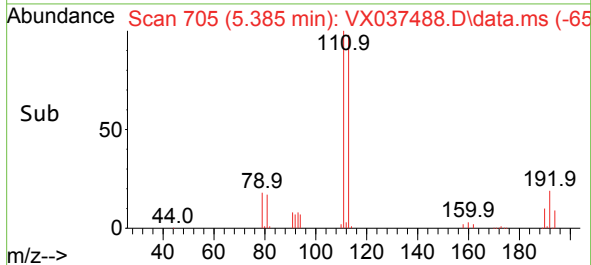
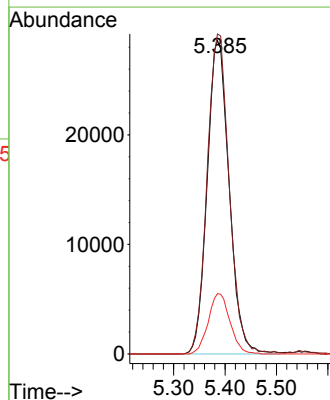
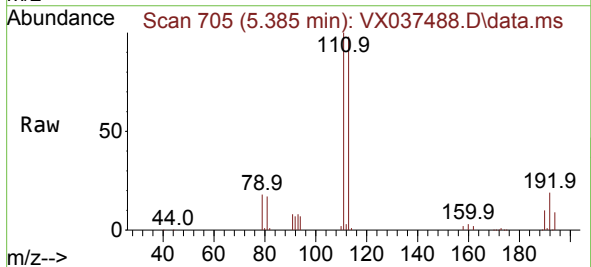
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123

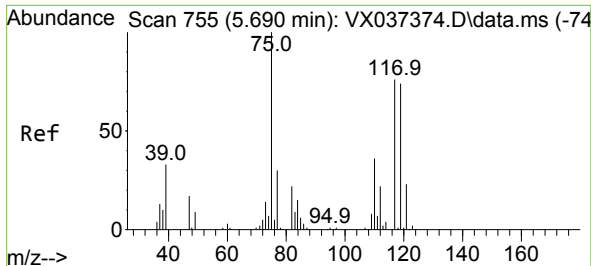
Tgt Ion:114 Resp: 281198
Ion Ratio Lower Upper
114 100
63 19.6 0.0 45.0
88 16.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.607 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037488.D
Acq: 02 Sep 2023 17:15

Tgt Ion:113 Resp: 84935
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 19.1 13.3 19.9

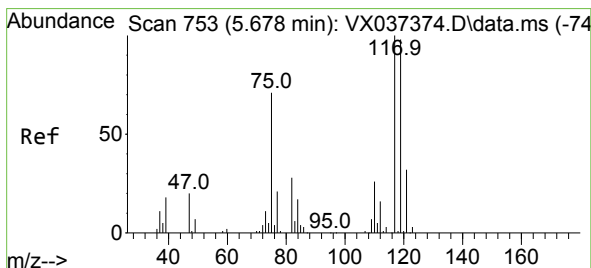
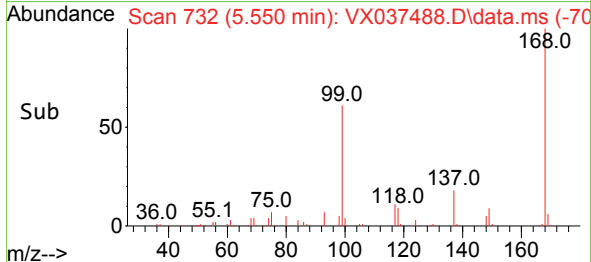
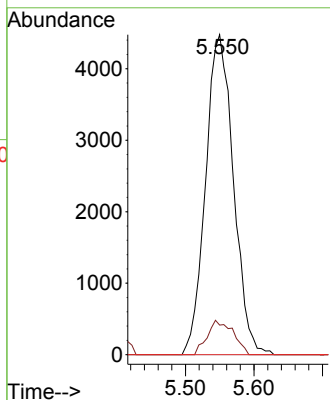
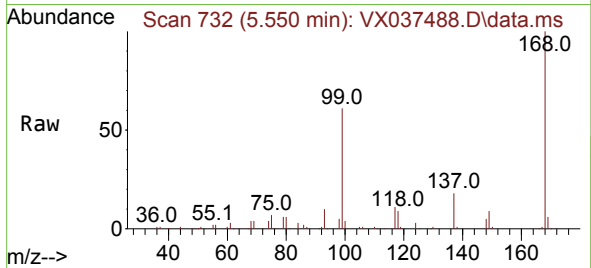




#36
1,1-Dichloropropene
Concen: 4.780 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX037488.D
Acq: 02 Sep 2023 17:15

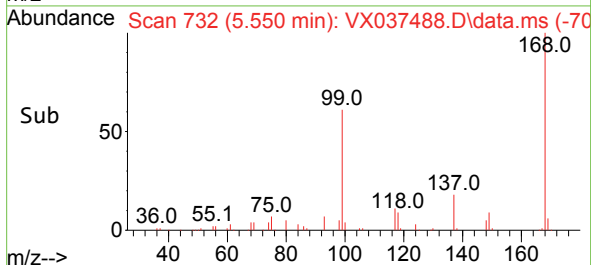
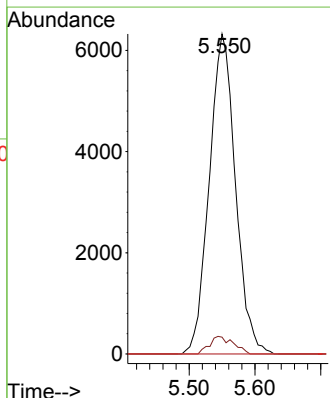
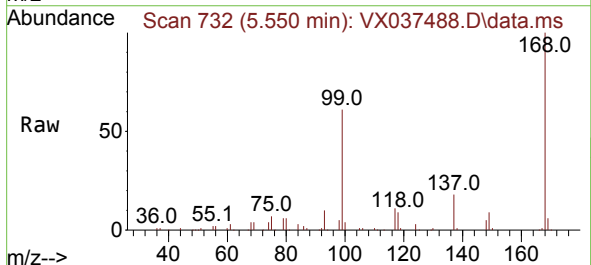
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123

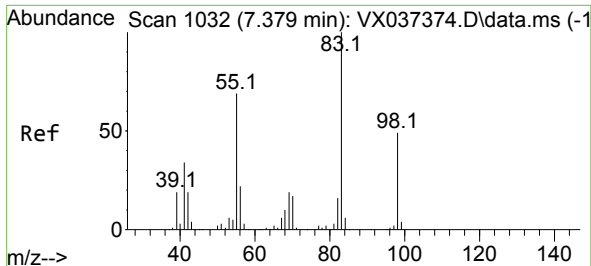
Tgt Ion: 75 Resp: 12648
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.107 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX037488.D
Acq: 02 Sep 2023 17:15

Tgt Ion: 117 Resp: 17551
Ion Ratio Lower Upper
117 100
119 5.2 78.2 117.2#
121 0.0 24.4 36.6#

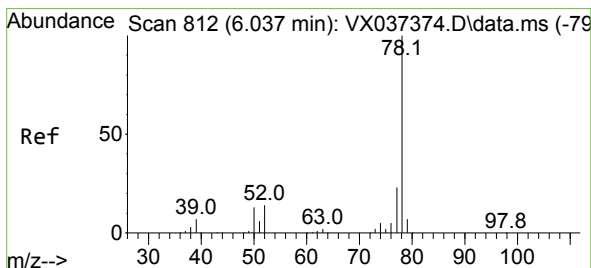
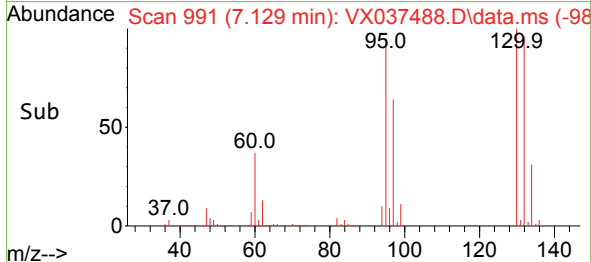
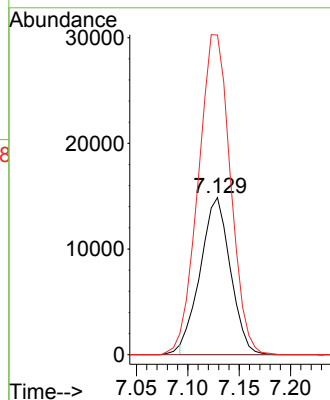
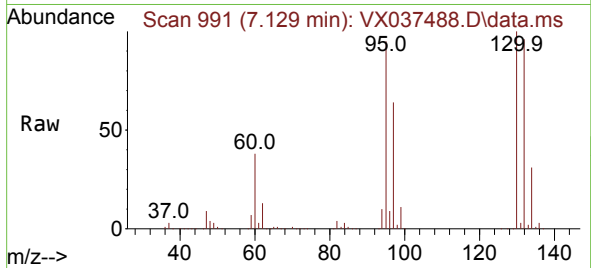




#39
Methylcyclohexane
Concen: 10.857 ug/l
RT: 7.129 min Scan# 91
Delta R.T. -0.250 min
Lab File: VX037488.D
Acq: 02 Sep 2023 17:15

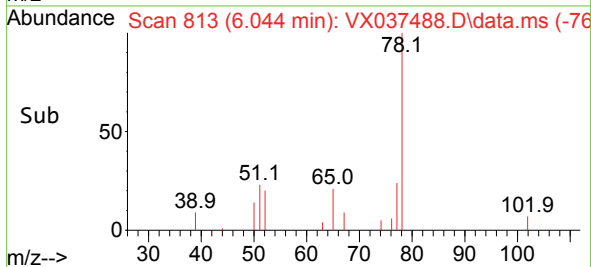
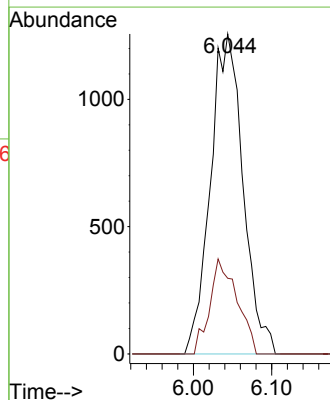
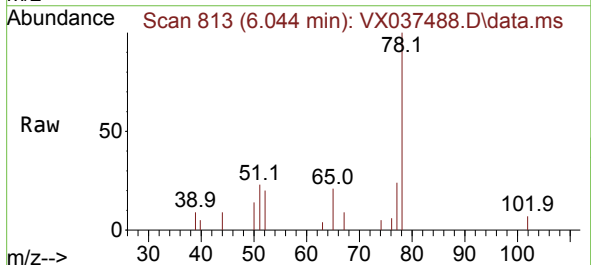
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123

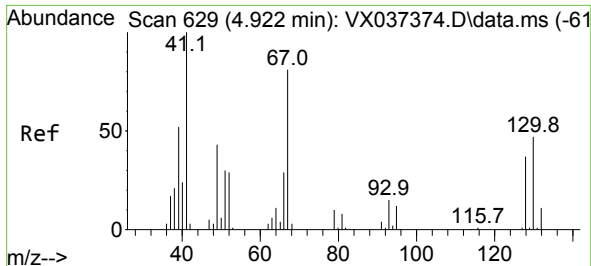
Tgt Ion: 83 Resp: 30182
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 203.5 36.7 55.1#



#40
Benzene
Concen: 0.479 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX037488.D
Acq: 02 Sep 2023 17:15

Tgt Ion: 78 Resp: 3637
Ion Ratio Lower Upper
78 100
77 23.6 19.3 28.9

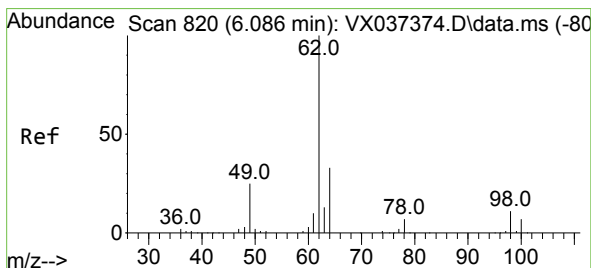
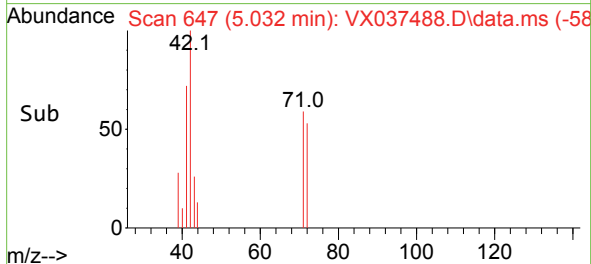
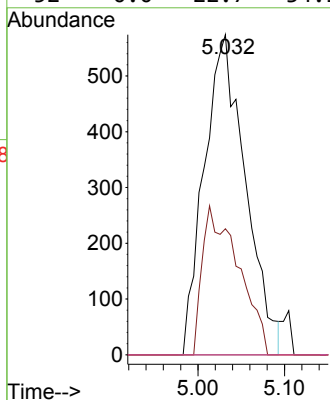
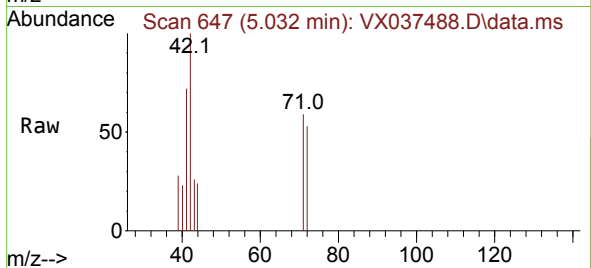




#41
Methacrylonitrile
Concen: 1.354 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX037488.D
Acq: 02 Sep 2023 17:15

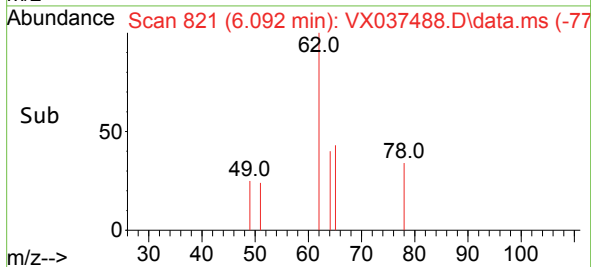
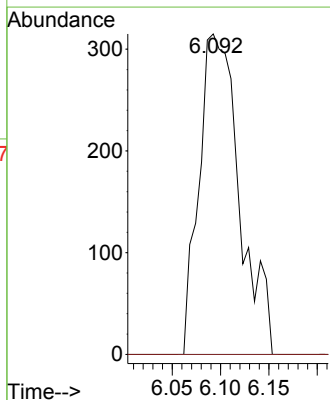
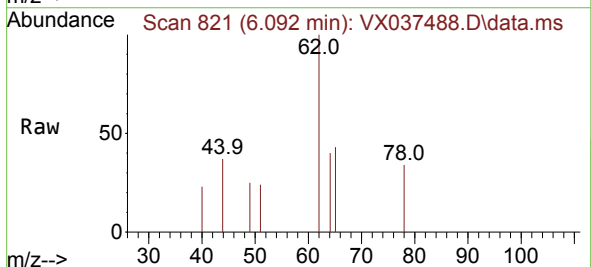
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123

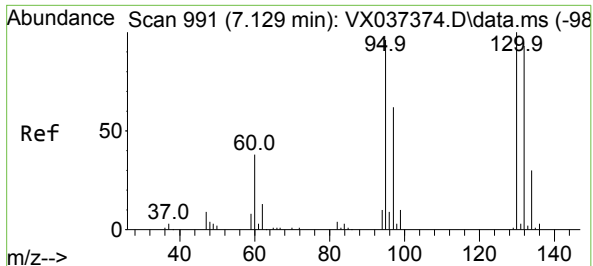
Tgt Ion:	41	Resp:	1902
Ion	Ratio	Lower	Upper
41	100		
39	40.8	45.2	67.8#
67	0.0	52.6	78.8#
52	0.0	22.7	34.1#



#42
1,2-Dichloroethane
Concen: 0.308 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX037488.D
Acq: 02 Sep 2023 17:15

Tgt Ion:	62	Resp:	917
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	16.0

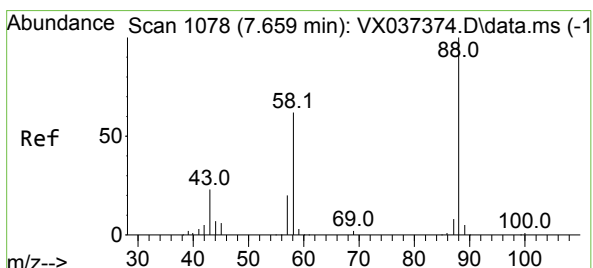
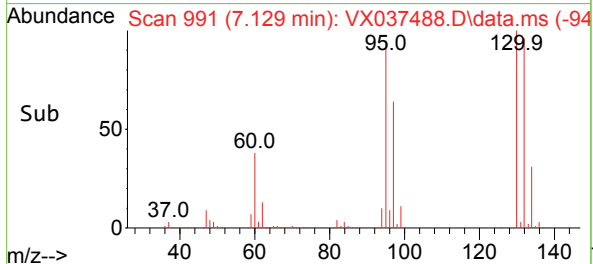
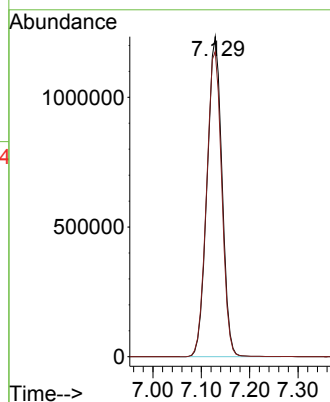
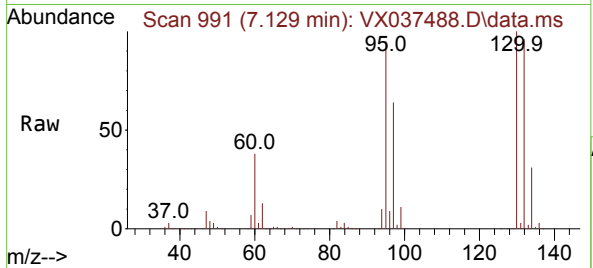




#44
Trichloroethene
Concen: 1228.813 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037488.D
Acq: 02 Sep 2023 17:15

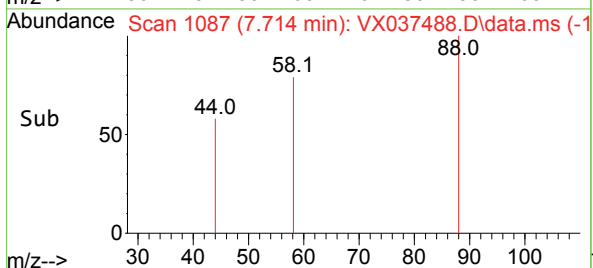
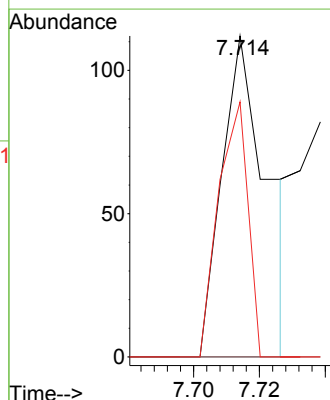
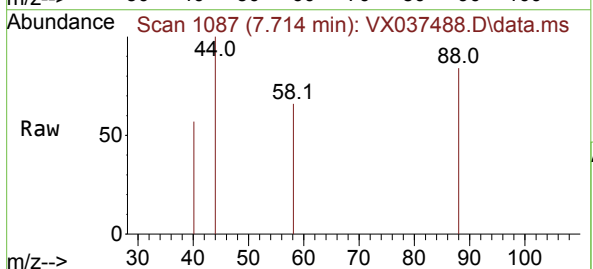
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123

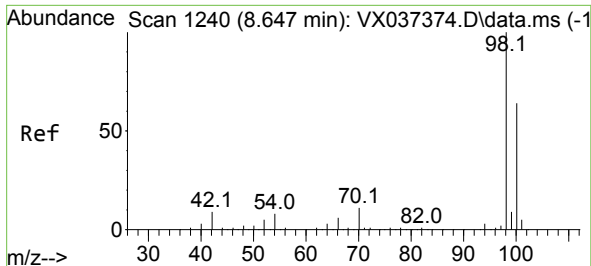
Tgt Ion:130 Resp: 2644028
Ion Ratio Lower Upper
130 100
95 95.3 0.0 204.4



#49
1,4-Dioxane
Concen: 1.916 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.055 min
Lab File: VX037488.D
Acq: 02 Sep 2023 17:15

Tgt Ion: 88 Resp: 108
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 50.9 60.1 90.1#

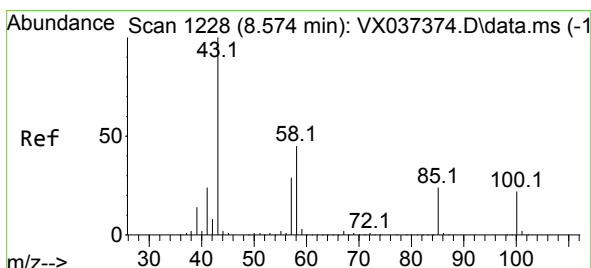
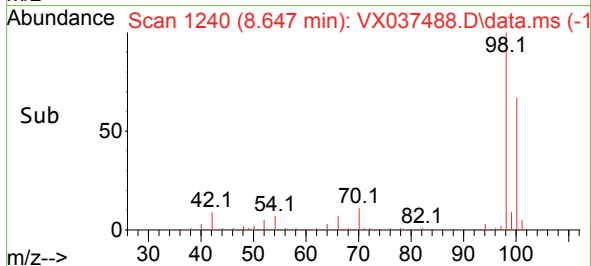
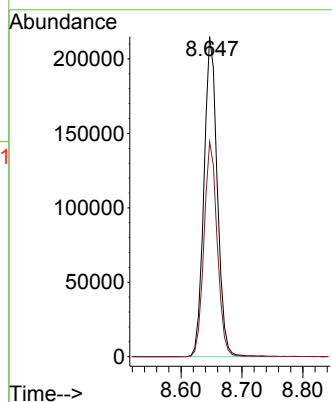
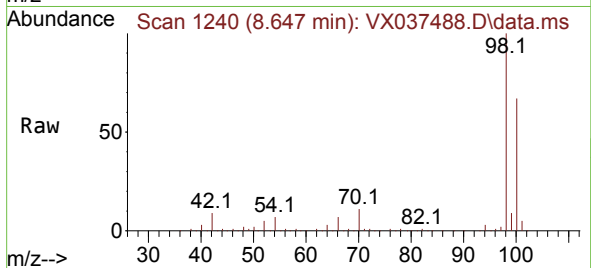




#50
Toluene-d8
Concen: 48.343 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037488.D
Acq: 02 Sep 2023 17:15

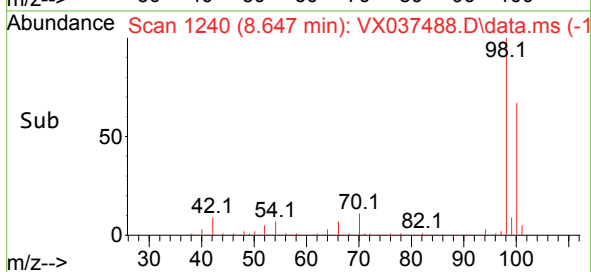
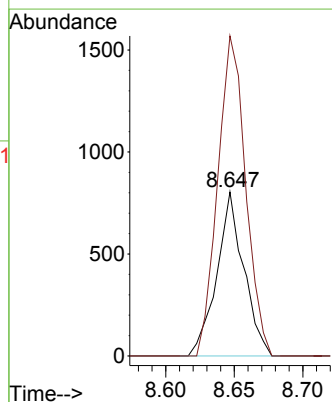
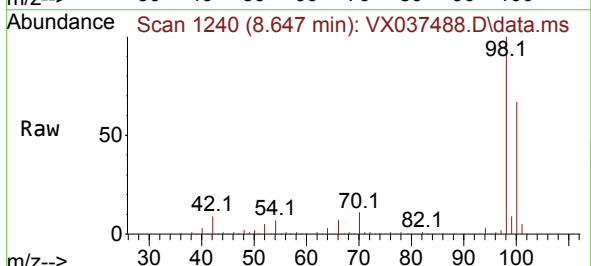
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123

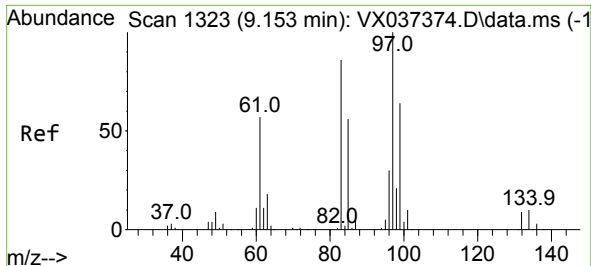
Tgt Ion: 98 Resp: 326571
Ion Ratio Lower Upper
98 100
100 66.9 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.422 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX037488.D
Acq: 02 Sep 2023 17:15

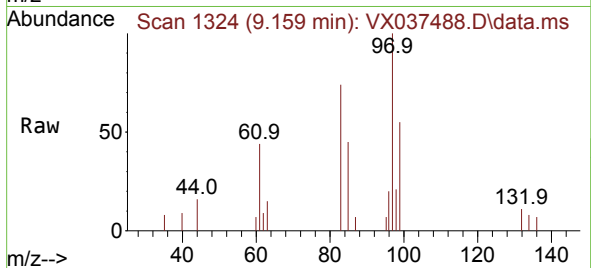
Tgt Ion: 43 Resp: 1099
Ion Ratio Lower Upper
43 100
58 202.4 30.4 45.6#



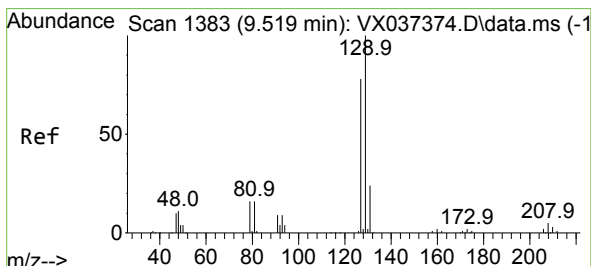
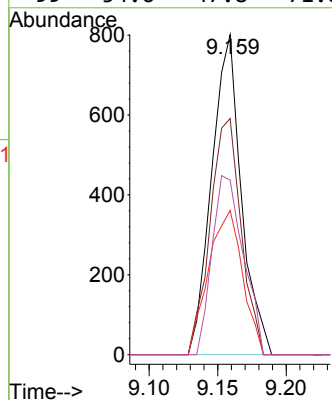
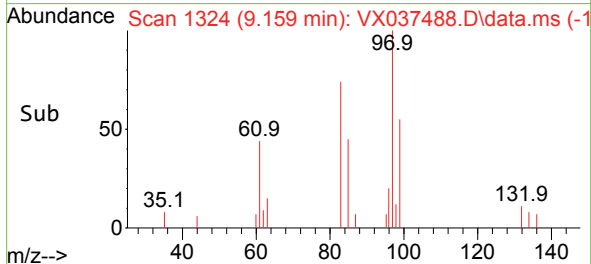


#55
 1,1,2-Trichloroethane
 Concen: 0.590 ug/l
 RT: 9.159 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX037488.D
 Acq: 02 Sep 2023 17:15

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11A-13.5-083123

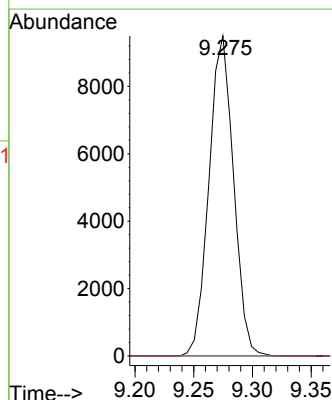
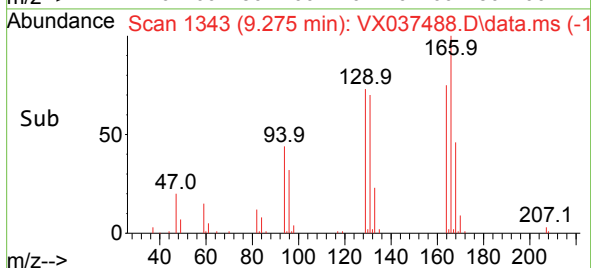
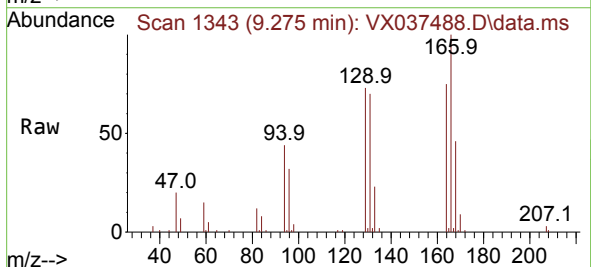


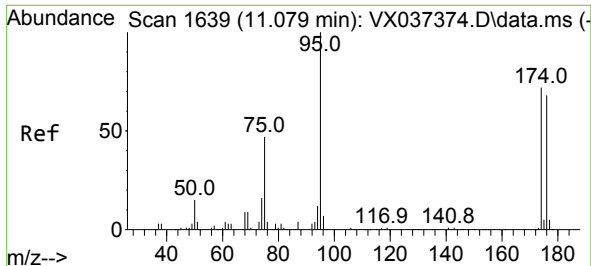
Tgt Ion	Ratio	Lower	Upper
97	100		
83	73.8	65.8	98.8
85	45.1	41.6	62.4
99	54.6	47.8	71.8



#60
 Dibromochloromethane
 Concen: 6.362 ug/l
 RT: 9.275 min Scan# 1343
 Delta R.T. -0.244 min
 Lab File: VX037488.D
 Acq: 02 Sep 2023 17:15

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

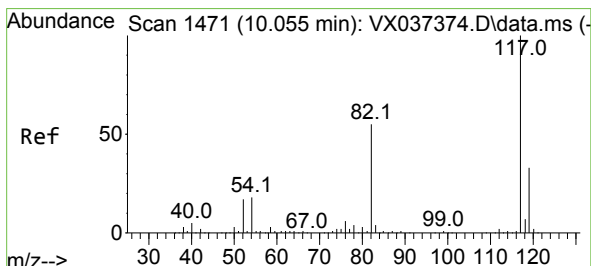
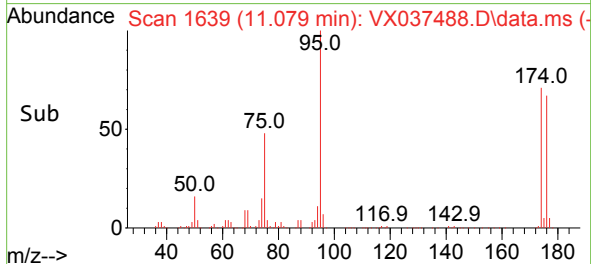
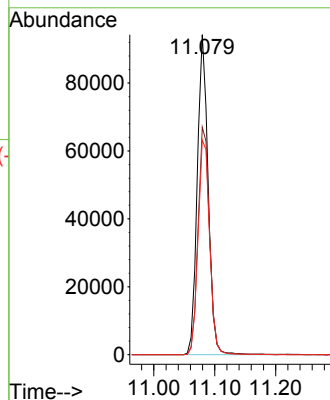
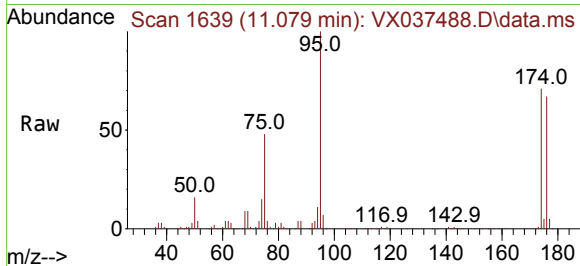




#62
4-Bromofluorobenzene
Concen: 43.862 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037488.D
Acq: 02 Sep 2023 17:15

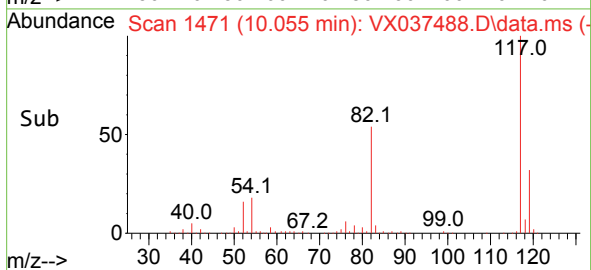
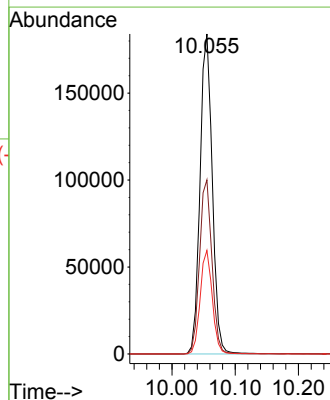
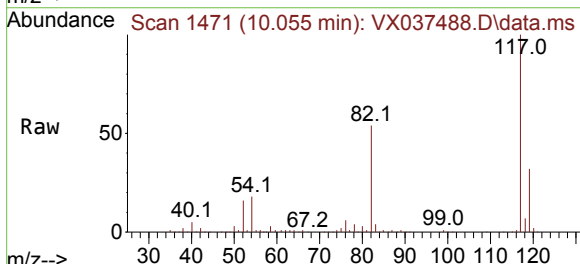
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123

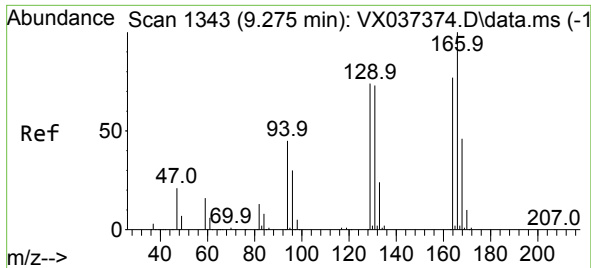
Tgt Ion: 95 Resp: 116443
Ion Ratio Lower Upper
95 100
174 75.2 0.0 135.6
176 71.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037488.D
Acq: 02 Sep 2023 17:15

Tgt Ion: 117 Resp: 248093
Ion Ratio Lower Upper
117 100
82 54.4 46.2 69.4
119 32.3 25.5 38.3

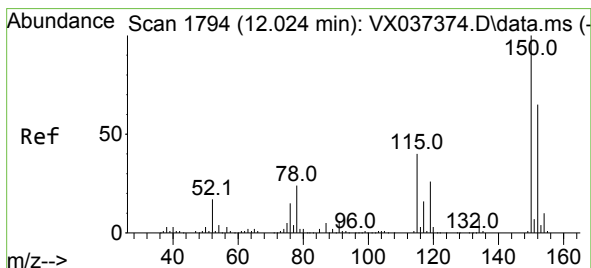
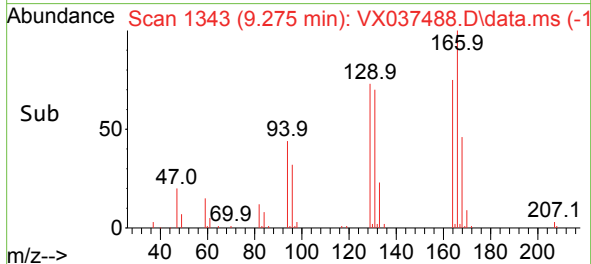
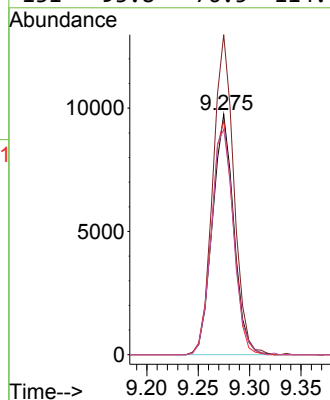
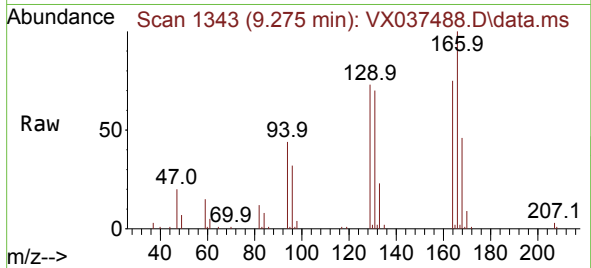




#64
Tetrachloroethene
Concen: 7.777 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037488.D
Acq: 02 Sep 2023 17:15

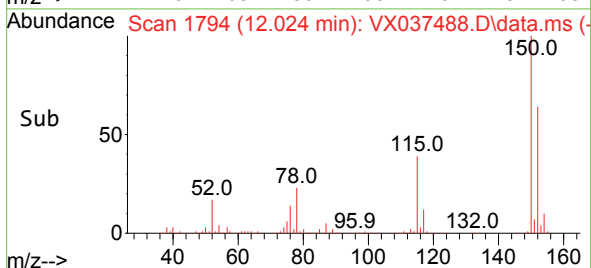
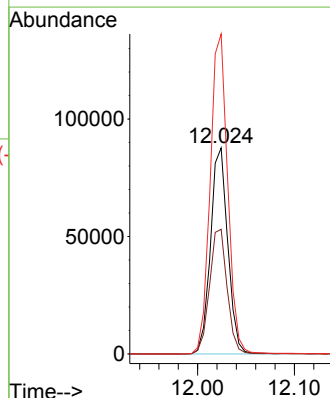
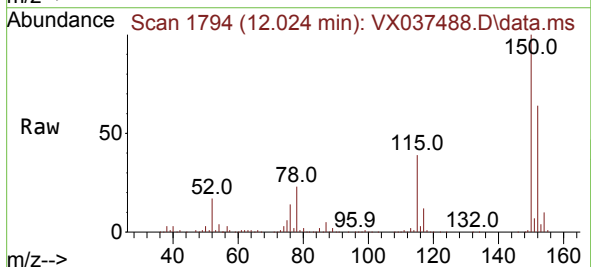
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123

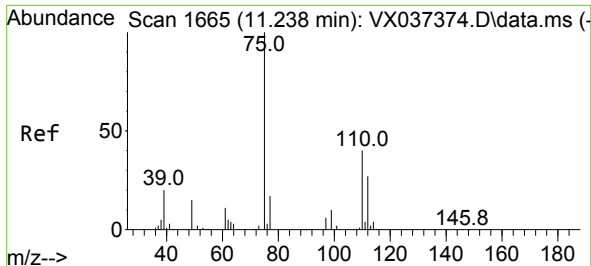
Tgt Ion:164	Resp:	14076
Ion Ratio	Lower	Upper
164	100	
166	133.2	102.7 154.1
129	97.5	80.4 120.6
131	93.8	76.5 114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037488.D
Acq: 02 Sep 2023 17:15

Tgt Ion:152	Resp:	109001
Ion Ratio	Lower	Upper
152	100	
115	62.2	43.3 129.9
150	157.4	0.0 345.0

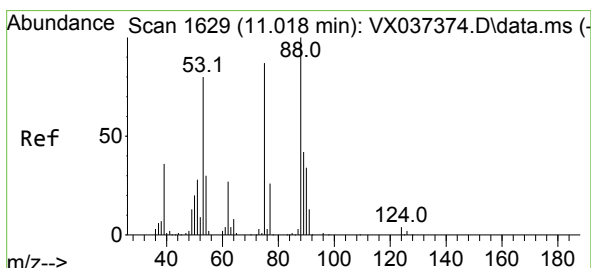
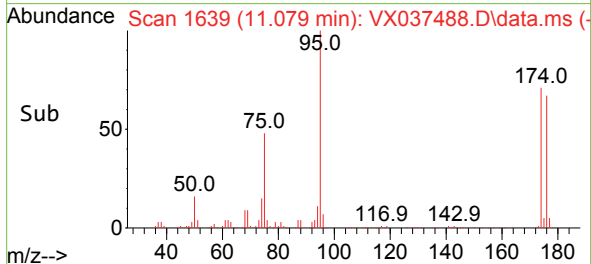
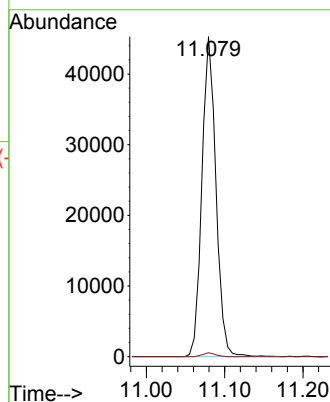
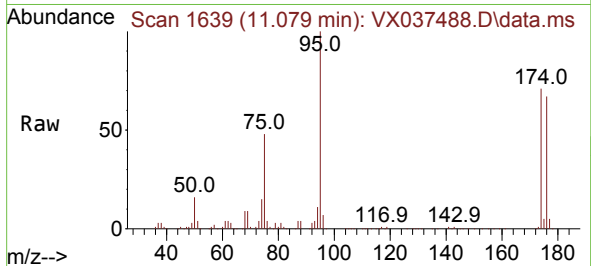




#76
1,2,3-Trichloropropane
Concen: 24.254 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX037488.D
Acq: 02 Sep 2023 17:15

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123

Tgt Ion: 75 Resp: 56302
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.742 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037488.D
Acq: 02 Sep 2023 17:15

Tgt Ion: 75 Resp: 56302
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

