

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX080923\  
 Data File : VX036896.D  
 Acq On : 09 Aug 2023 18:45  
 Operator : JC/MD  
 Sample : 03957-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-15-0809

Quant Time: Aug 10 01:21:00 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072123W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 21 12:14:12 2023  
 Response via : Initial Calibration

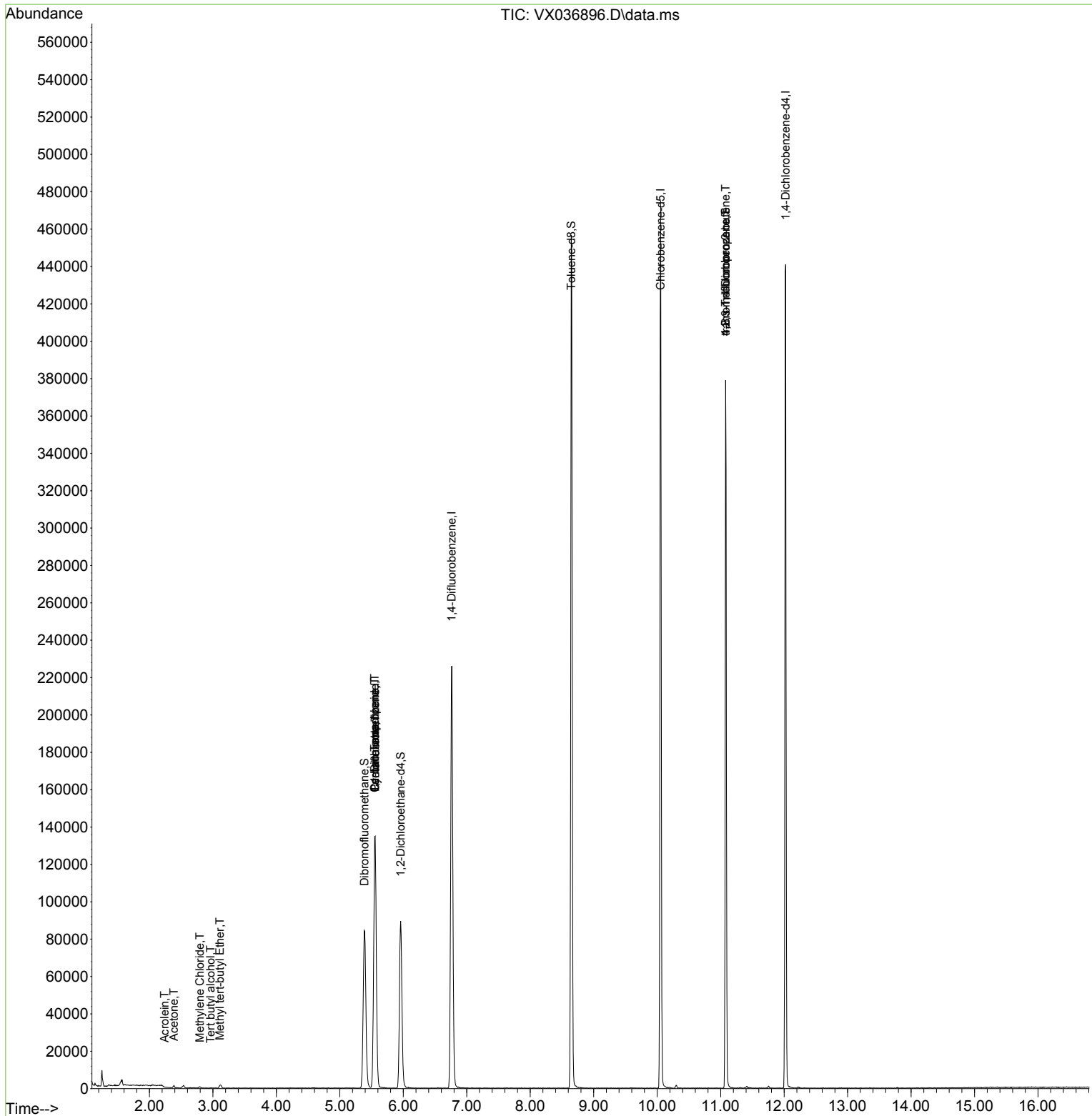
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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Internal Standards						
1) Pentafluorobenzene	5.556	168	125789	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	230914	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214259	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91649	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	90030	48.371	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.740%
35) Dibromofluoromethane	5.385	113	74729	47.083	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.160%
50) Toluene-d8	8.647	98	275363	48.923	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.840%
62) 4-Bromofluorobenzene	11.079	95	102347	48.197	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.400%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	128	0.290	ug/l #	78
13) Acrolein	2.239	56	52	0.207	ug/l #	45
16) Acetone	2.386	43	1350	1.748	ug/l #	74
19) Methyl tert-butyl Ether	3.111	73	2121	0.401	ug/l #	89
20) Methylene Chloride	2.794	84	349	0.203	ug/l #	82
31) Cyclohexane	5.556	56	2762	1.072	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10278	4.345	ug/l #	51
38) Carbon Tetrachloride	5.550	117	13598	5.407	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	53901	25.004	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	53901	56.673	ug/l #	5
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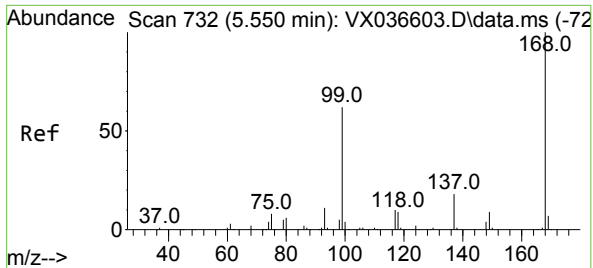
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Quant Title : SW846 8260  
 QLast Update : Fri Jul 21 12:14:12 2023  
 Response via : Initial Calibration

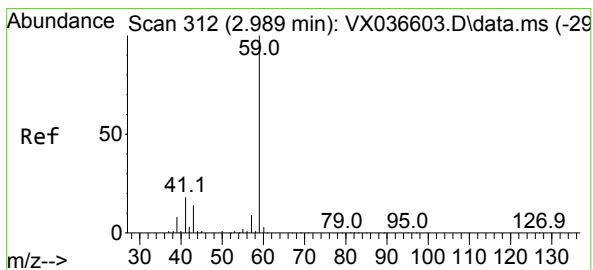
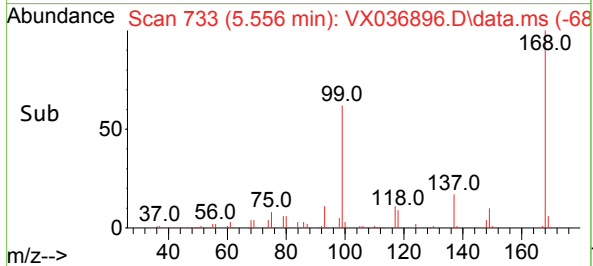
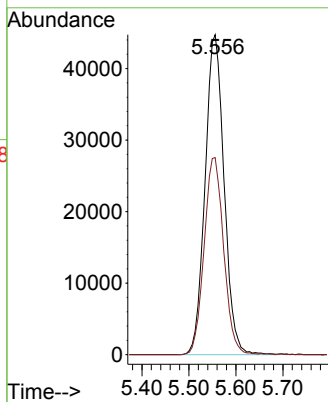
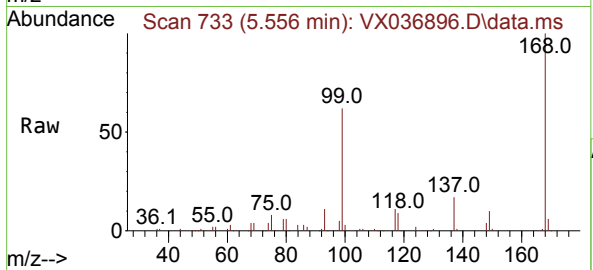




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.556 min Scan# 71  
 Delta R.T. 0.006 min  
 Lab File: VX036896.D  
 Acq: 09 Aug 2023 18:45

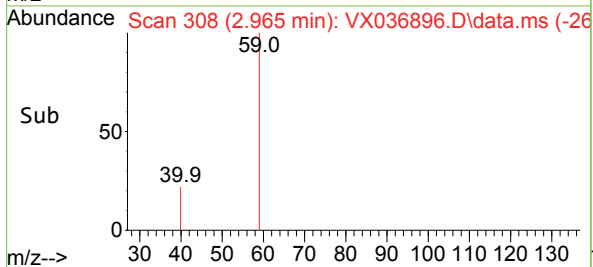
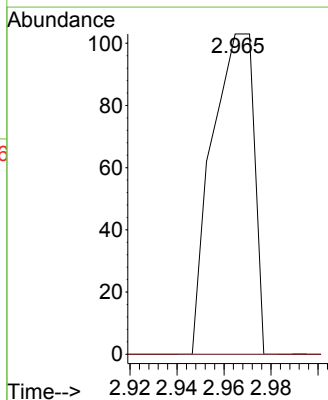
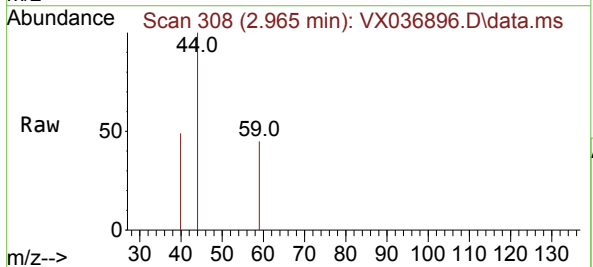
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-15-0809

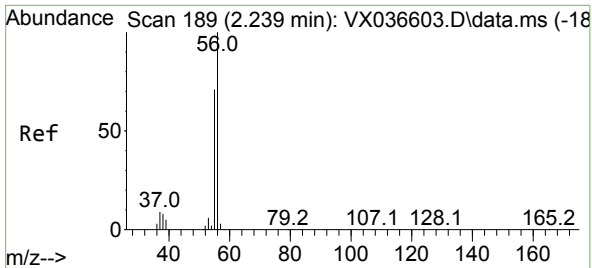
Tgt Ion:168 Resp: 125789  
 Ion Ratio Lower Upper  
 168 100  
 99 61.6 56.6 85.0



#11  
 Tert butyl alcohol  
 Concen: 0.290 ug/l  
 RT: 2.965 min Scan# 308  
 Delta R.T. -0.024 min  
 Lab File: VX036896.D  
 Acq: 09 Aug 2023 18:45

Tgt Ion: 59 Resp: 128  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 6.0 9.0#

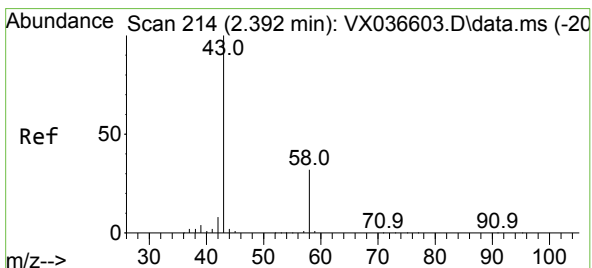
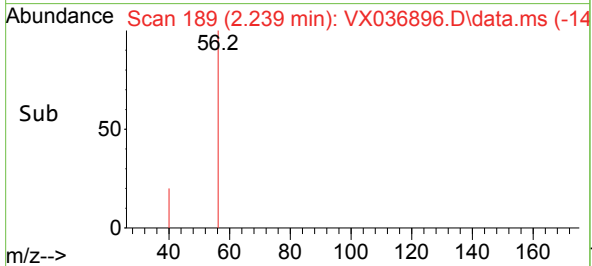
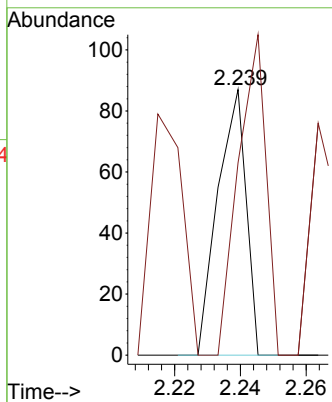
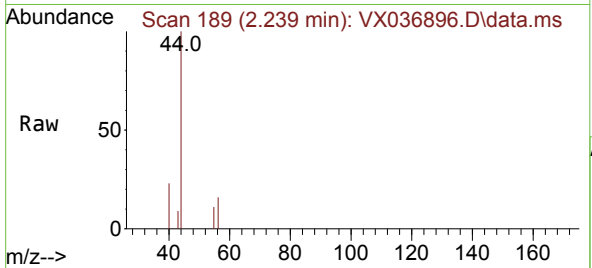




#13  
 Acrolein  
 Concen: 0.207 ug/l  
 RT: 2.239 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX036896.D  
 Acq: 09 Aug 2023 18:45

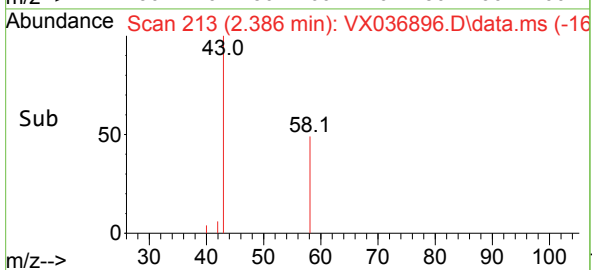
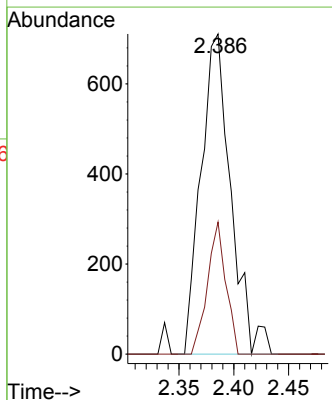
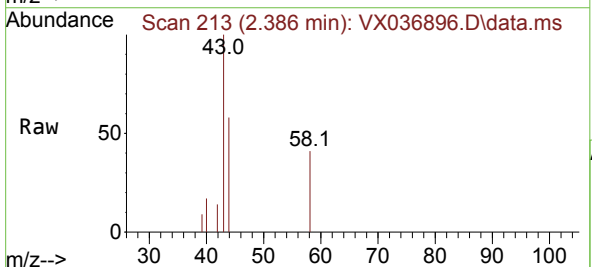
Instrument : MSVOA\_X  
 ClientSampleId : MW-15-0809

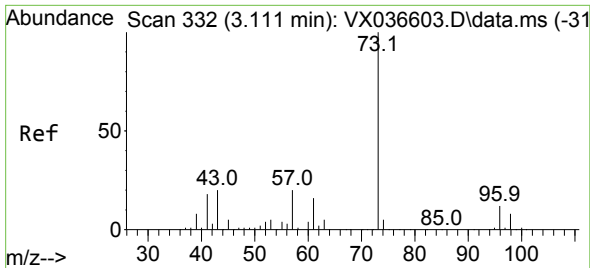
Tgt Ion: 56 Resp: 52  
 Ion Ratio Lower Upper  
 56 100  
 55 117.3 57.1 85.7#



#16  
 Acetone  
 Concen: 1.748 ug/l  
 RT: 2.386 min Scan# 213  
 Delta R.T. -0.006 min  
 Lab File: VX036896.D  
 Acq: 09 Aug 2023 18:45

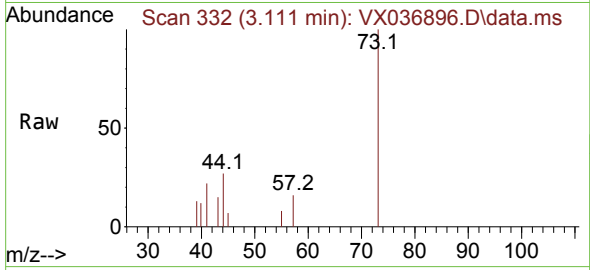
Tgt Ion: 43 Resp: 1350  
 Ion Ratio Lower Upper  
 43 100  
 58 41.2 21.9 32.9#



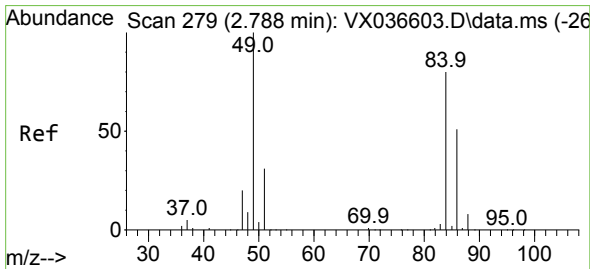
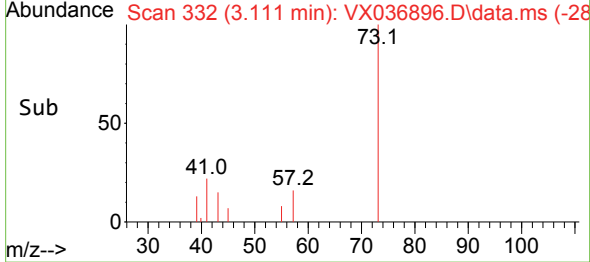
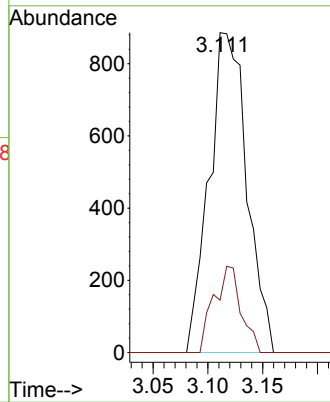


#19  
 Methyl tert-butyl Ether  
 Concen: 0.401 ug/l  
 RT: 3.111 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VX036896.D  
 Acq: 09 Aug 2023 18:45

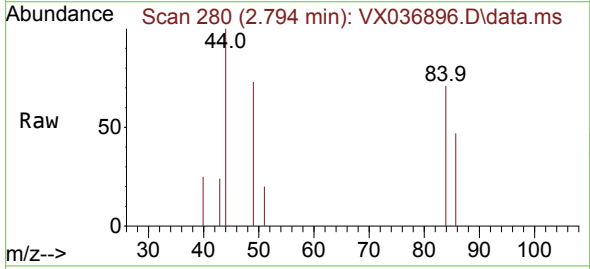
Instrument : MSVOA\_X  
 ClientSampleId : MW-15-0809



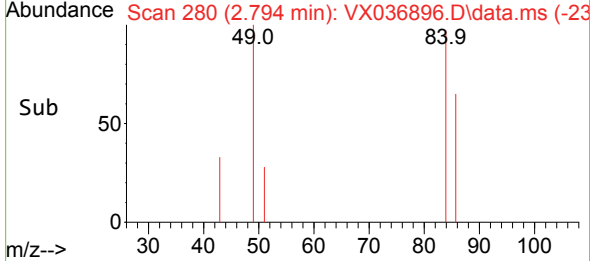
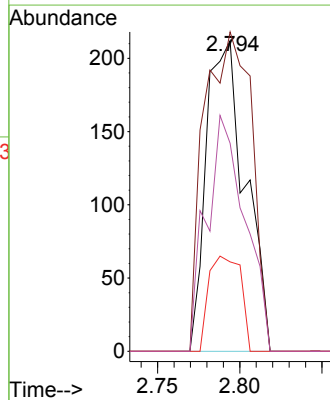
Tgt Ion: 73 Resp: 2121  
 Ion Ratio Lower Upper  
 73 100  
 57 16.4 17.3 25.9#

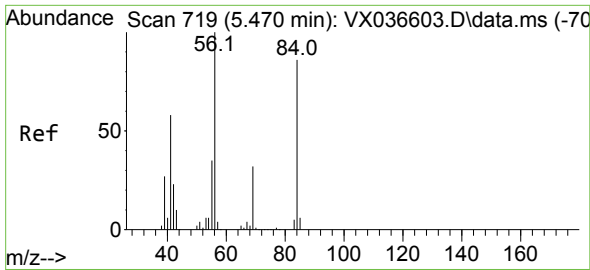


#20  
 Methylene Chloride  
 Concen: 0.203 ug/l  
 RT: 2.794 min Scan# 280  
 Delta R.T. 0.006 min  
 Lab File: VX036896.D  
 Acq: 09 Aug 2023 18:45



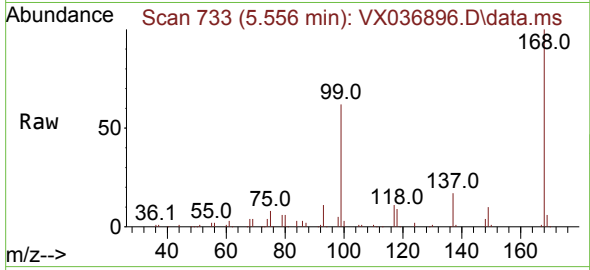
Tgt Ion: 84 Resp: 349  
 Ion Ratio Lower Upper  
 84 100  
 49 102.8 103.6 155.4#  
 51 28.8 33.8 50.6#  
 86 67.0 49.4 74.0



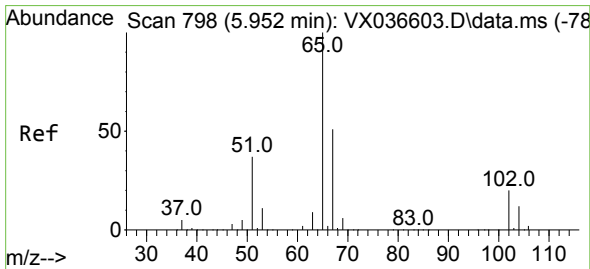
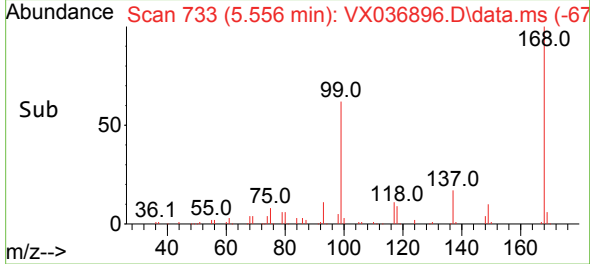
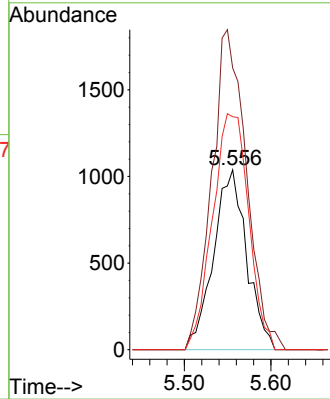


#31  
 Cyclohexane  
 Concen: 1.072 ug/l  
 RT: 5.556 min Scan# 719  
 Delta R.T. 0.085 min  
 Lab File: VX036896.D  
 Acq: 09 Aug 2023 18:45

Instrument : MSVOA\_X  
 ClientSampleId : MW-15-0809

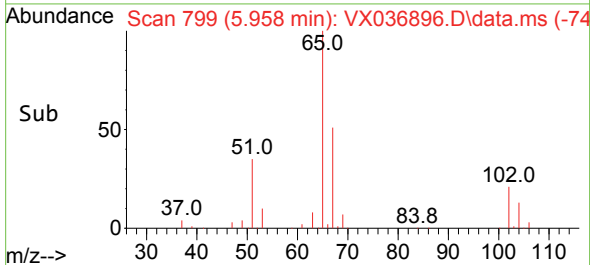
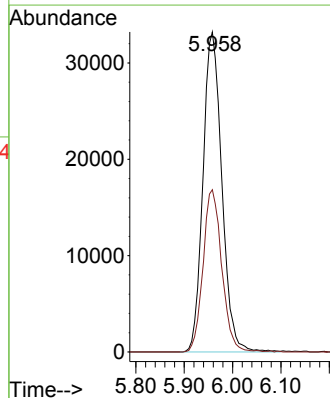
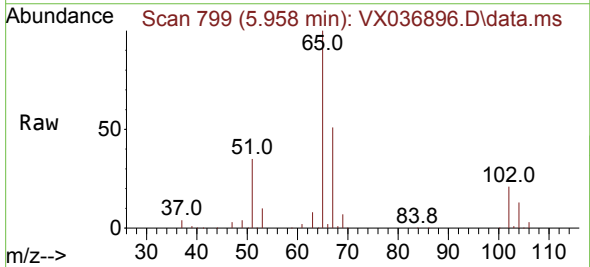


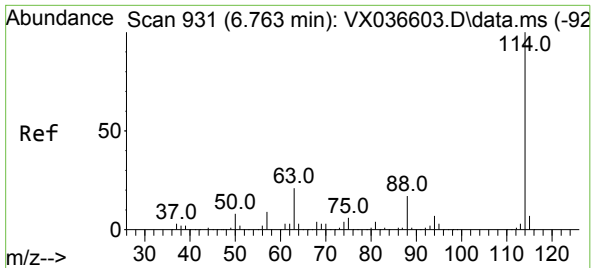
Tgt Ion: 56 Resp: 2762  
 Ion Ratio Lower Upper  
 56 100  
 69 156.6 23.4 35.2#  
 84 129.6 65.9 98.9#



#33  
 1,2-Dichloroethane-d4  
 Concen: 48.371 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. 0.006 min  
 Lab File: VX036896.D  
 Acq: 09 Aug 2023 18:45

Tgt Ion: 65 Resp: 90030  
 Ion Ratio Lower Upper  
 65 100  
 67 50.4 0.0 100.2

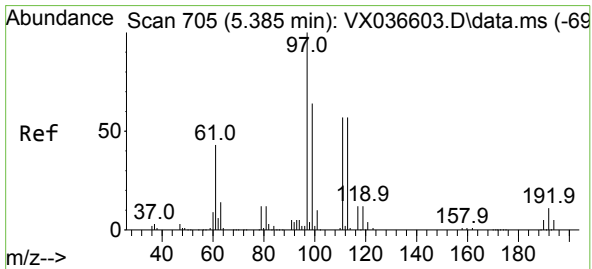
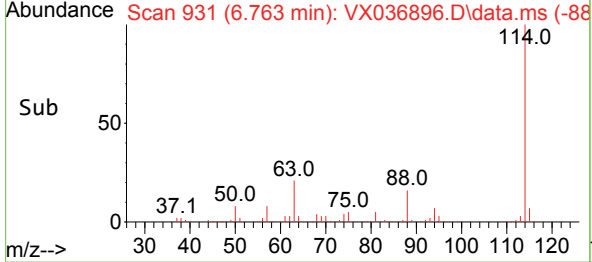
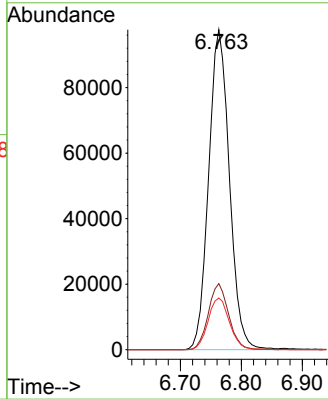
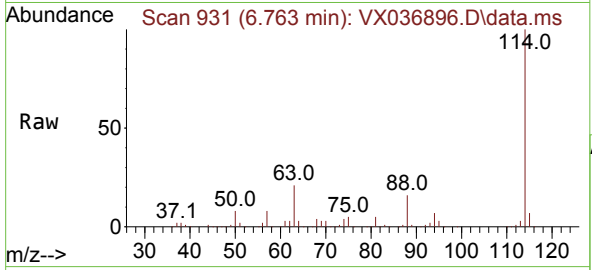




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 911  
 Delta R.T. -0.000 min  
 Lab File: VX036896.D  
 Acq: 09 Aug 2023 18:45

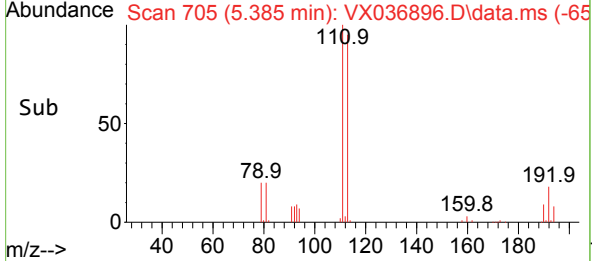
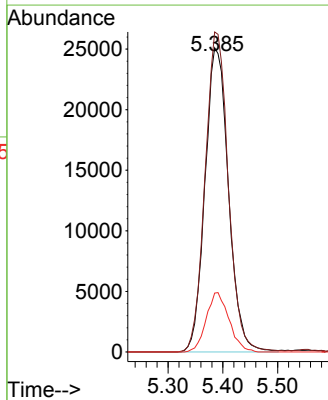
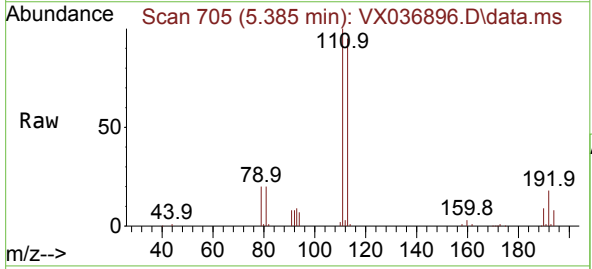
Instrument : MSVOA\_X  
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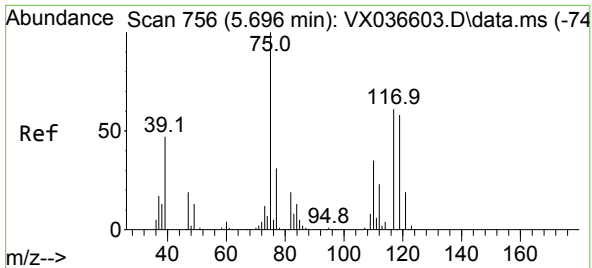
Tgt Ion	Resp	Lower	Upper
114	100		
63	20.6	0.0	45.0
88	16.2	0.0	36.6



#35  
 Dibromofluoromethane  
 Concen: 47.083 ug/l  
 RT: 5.385 min Scan# 705  
 Delta R.T. -0.000 min  
 Lab File: VX036896.D  
 Acq: 09 Aug 2023 18:45

Tgt Ion	Resp	Lower	Upper
113	100		
111	104.0	82.9	124.3
192	18.9	13.3	19.9

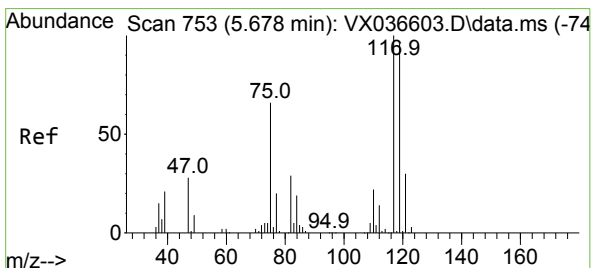
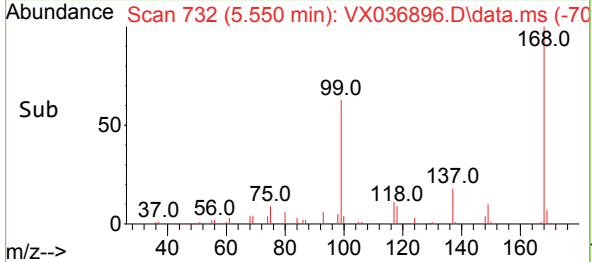
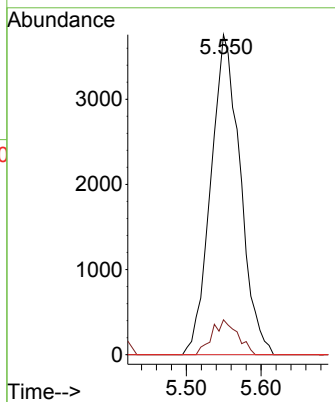
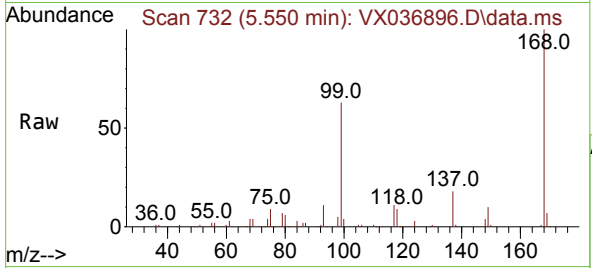




#36  
 1,1-Dichloropropene  
 Concen: 4.345 ug/l  
 RT: 5.550 min Scan# 711  
 Delta R.T. -0.146 min  
 Lab File: VX036896.D  
 Acq: 09 Aug 2023 18:45

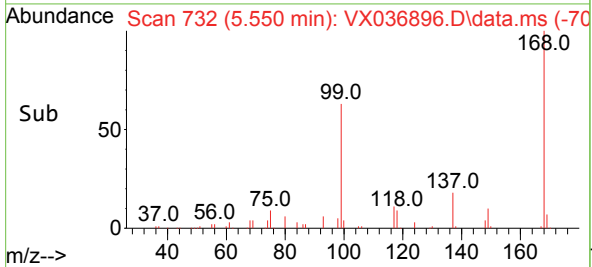
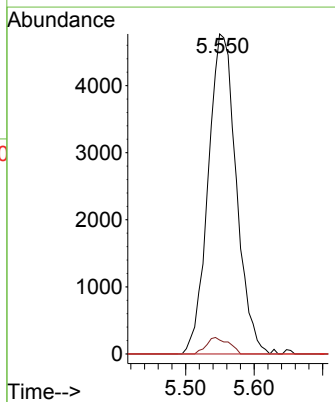
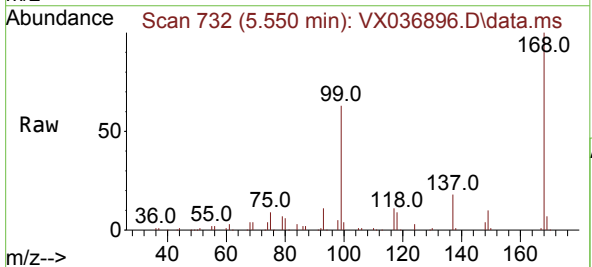
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Tgt Ion	Resp	Lower	Upper
75	10278		
75	100		
110	9.4	17.0	50.9#
77	0.0	24.7	37.1#

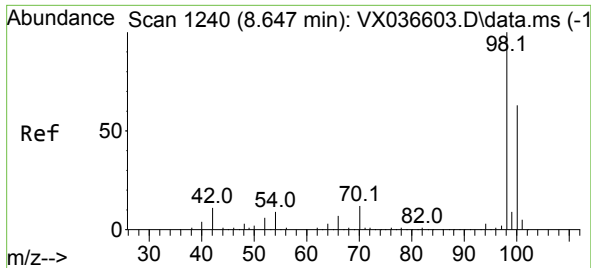


#38  
 Carbon Tetrachloride  
 Concen: 5.407 ug/l  
 RT: 5.550 min Scan# 732  
 Delta R.T. -0.128 min  
 Lab File: VX036896.D  
 Acq: 09 Aug 2023 18:45

Tgt Ion	Resp	Lower	Upper
117	13598		
117	100		
119	4.3	78.2	117.2#
121	0.0	24.4	36.6#



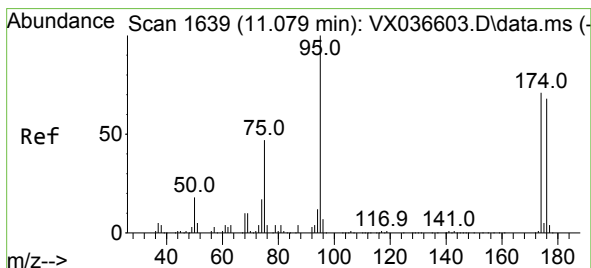
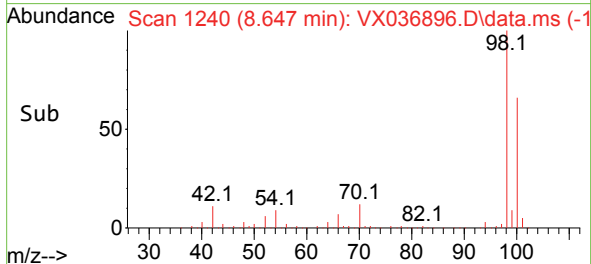
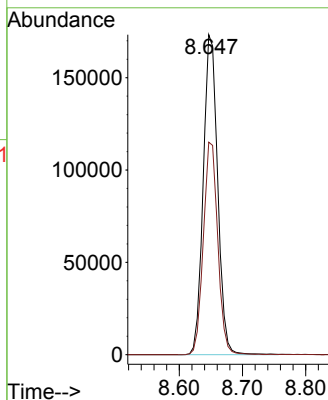
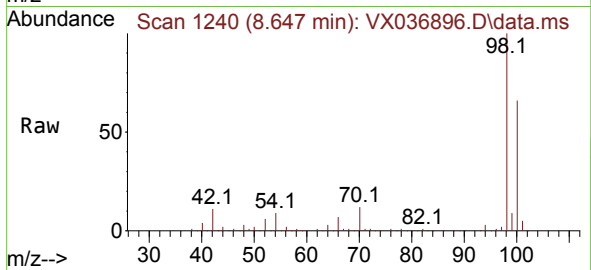




#50  
 Toluene-d8  
 Concen: 48.923 ug/l  
 RT: 8.647 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX036896.D  
 Acq: 09 Aug 2023 18:45

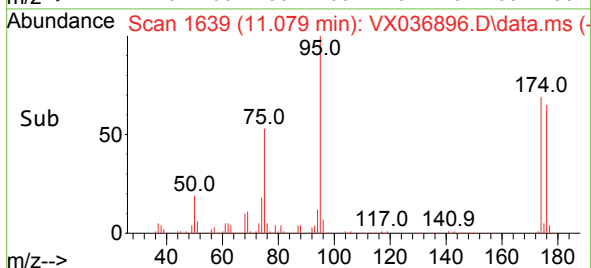
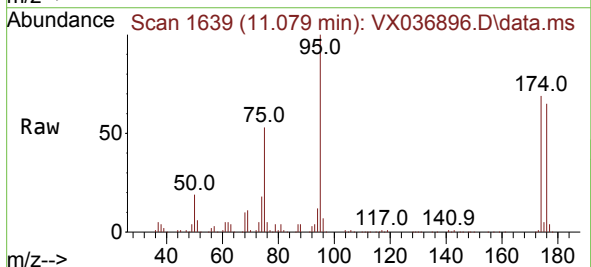
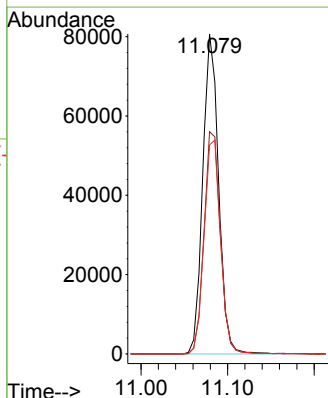
Instrument : MSVOA\_X  
 ClientSampleId : MW-15-0809

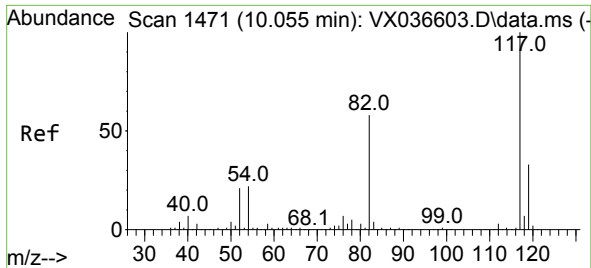
Tgt Ion: 98 Resp: 275363  
 Ion Ratio Lower Upper  
 98 100  
 100 66.5 53.1 79.7



#62  
 4-Bromofluorobenzene  
 Concen: 48.197 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.000 min  
 Lab File: VX036896.D  
 Acq: 09 Aug 2023 18:45

Tgt Ion: 95 Resp: 102347  
 Ion Ratio Lower Upper  
 95 100  
 174 71.9 0.0 135.6  
 176 69.8 0.0 131.0



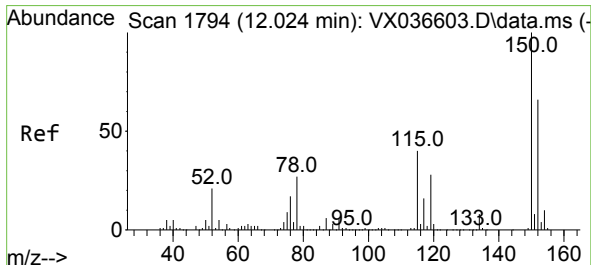
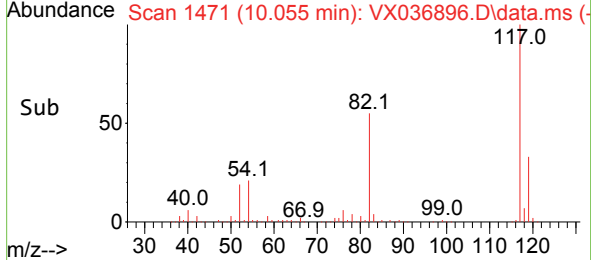
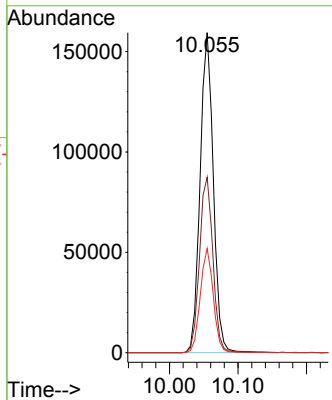
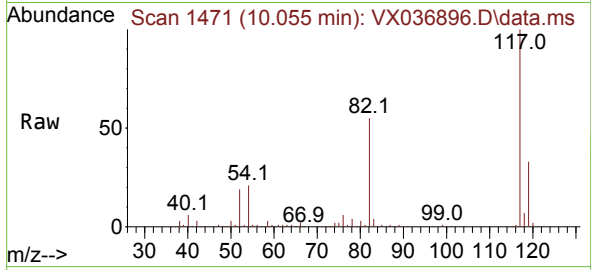


#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 10.055 min Scan# 1471  
 Delta R.T. -0.000 min  
 Lab File: VX036896.D  
 Acq: 09 Aug 2023 18:45

Instrument : MSVOA\_X  
 ClientSampleId : MW-15-0809

Tgt Ion:117 Resp: 214259

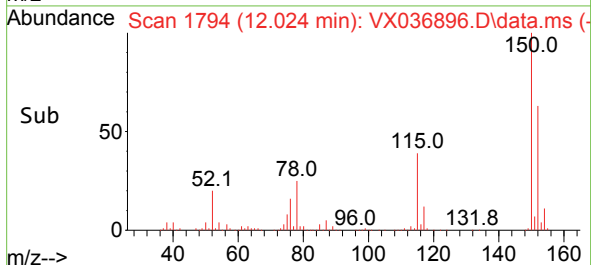
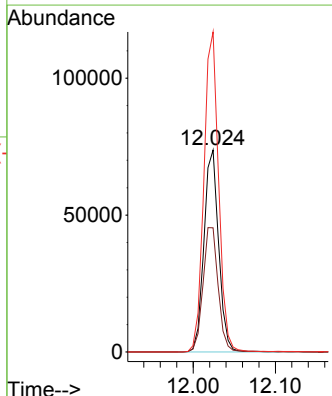
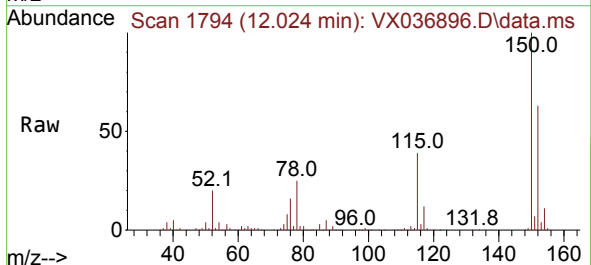
Ion	Ratio	Lower	Upper
117	100		
82	54.9	46.2	69.4
119	32.6	25.5	38.3

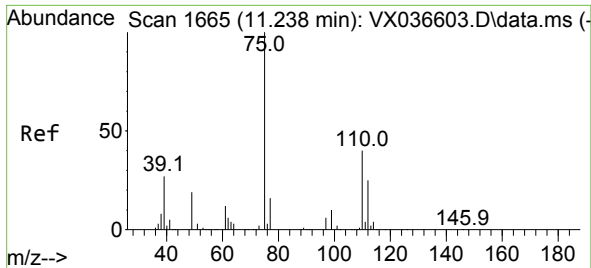


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1794  
 Delta R.T. -0.000 min  
 Lab File: VX036896.D  
 Acq: 09 Aug 2023 18:45

Tgt Ion:152 Resp: 91649

Ion	Ratio	Lower	Upper
152	100		
115	64.0	43.3	129.9
150	158.2	0.0	345.0

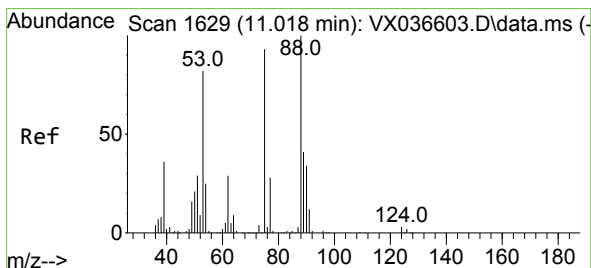
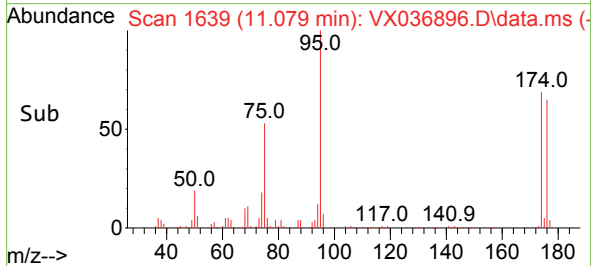
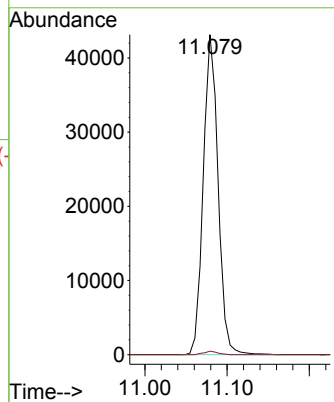
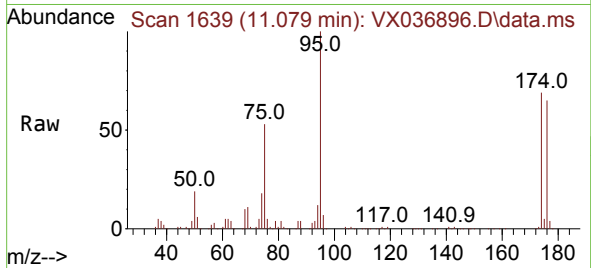




#76  
 1,2,3-Trichloropropane  
 Concen: 25.004 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.159 min  
 Lab File: VX036896.D  
 Acq: 09 Aug 2023 18:45

Instrument : MSVOA\_X  
 ClientSampleId : MW-15-0809

Tgt Ion: 75 Resp: 53901  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 19.1 57.5#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 56.673 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. 0.061 min  
 Lab File: VX036896.D  
 Acq: 09 Aug 2023 18:45

Tgt Ion: 75 Resp: 53901  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.0 36.9 55.3#

