

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072922\  
 Data File : VX030302.D  
 Acq On : 29 Jul 2022 14:59  
 Operator : JC/MD  
 Sample : N3861-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-5

Quant Time: Aug 01 05:13:44 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072522W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 25 16:49:17 2022  
 Response via : Initial Calibration

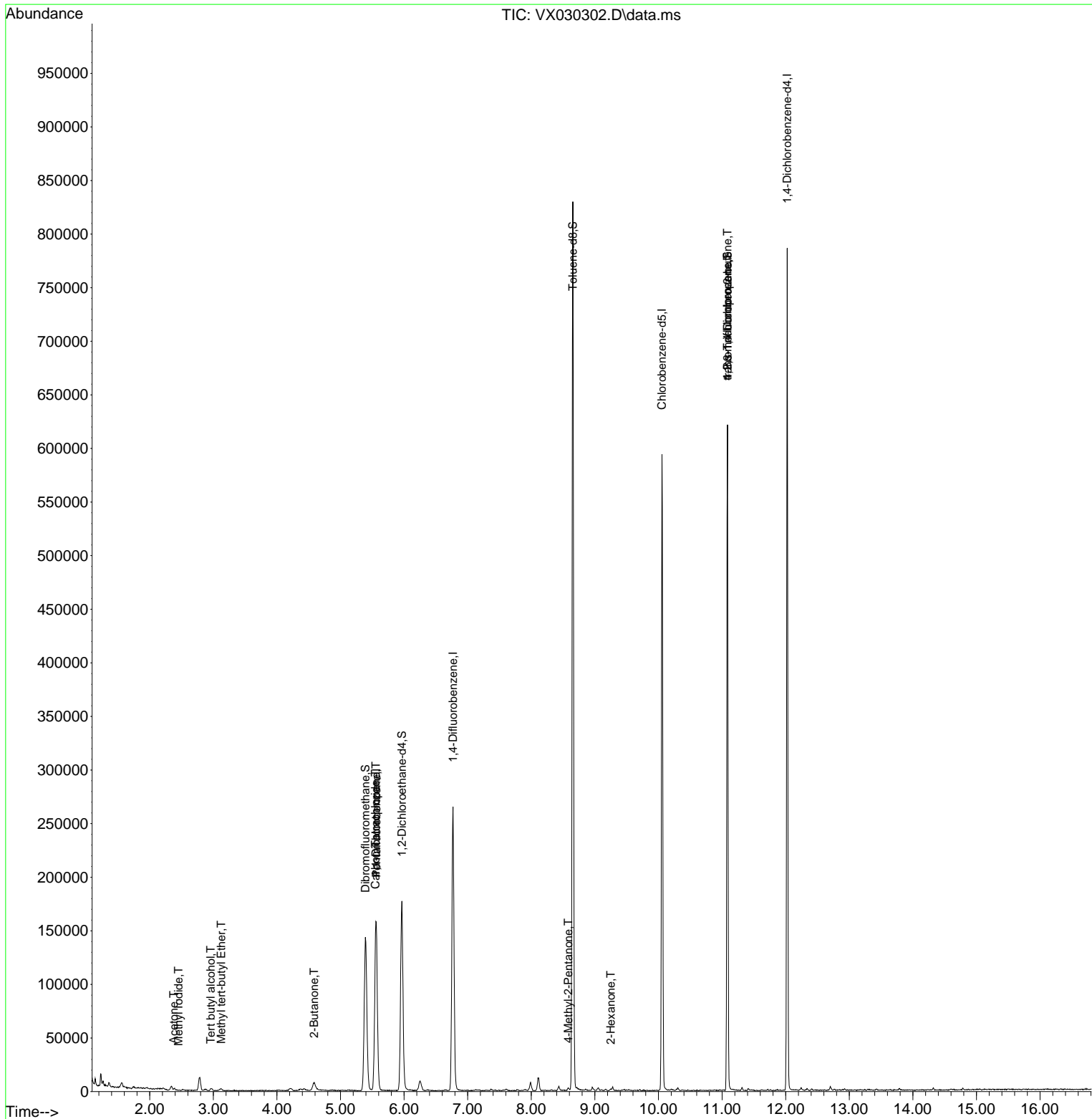
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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Internal Standards						
1) Pentafluorobenzene	5.562	168	149324	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	263087	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	264060	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	146243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	164984	54.970	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	109.940%
35) Dibromofluoromethane	5.391	113	127985	50.889	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.780%
50) Toluene-d8	8.653	98	478962	49.177	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.360%
62) 4-Bromofluorobenzene	11.085	95	168747	46.685	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.360%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	301	Below Cal		90
10) Methyl Iodide	2.453	142	246	1.628	ug/l #	45
11) Tert butyl alcohol	2.959	59	2079	2.840	ug/l	99
16) Acetone	2.380	43	1942	1.264	ug/l #	83
19) Methyl tert-butyl Ether	3.123	73	1622	0.203	ug/l	92
20) Methylene Chloride	2.788	84	1973	Below Cal		90
25) 2-Butanone	4.587	43	760	0.294	ug/l #	48
36) 1,1-Dichloropropene	5.556	75	12569	3.473	ug/l #	46
38) Carbon Tetrachloride	5.550	117	15768	4.667	ug/l #	17
51) 4-Methyl-2-Pentanone	8.580	43	1884	0.369	ug/l	96
59) 2-Hexanone	9.250	43	921	0.229	ug/l	68
67) Ethyl Benzene	10.201	91	676	Below Cal	#	79
76) 1,2,3-Trichloropropane	11.085	75	84156	21.831	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	84156	65.491	ug/l #	13
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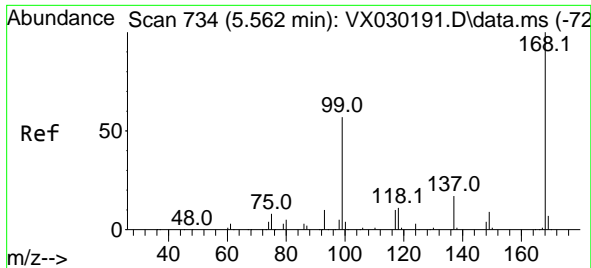
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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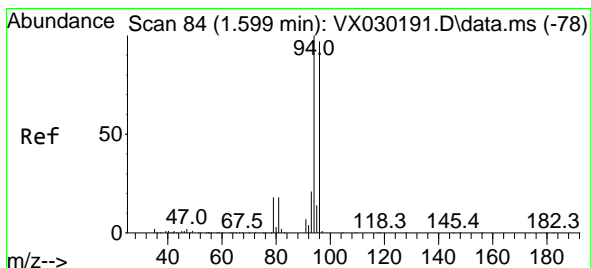
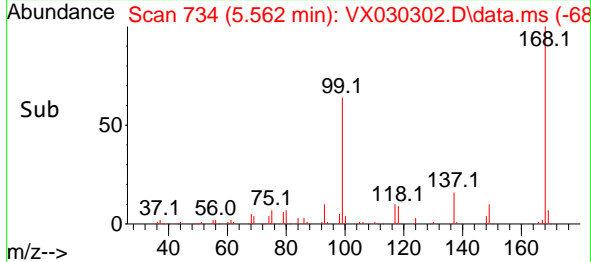
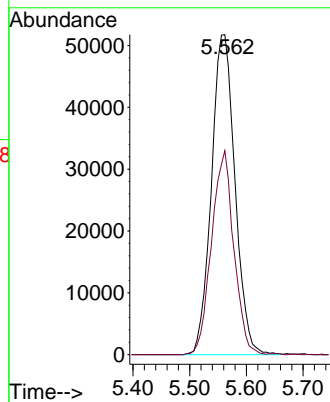
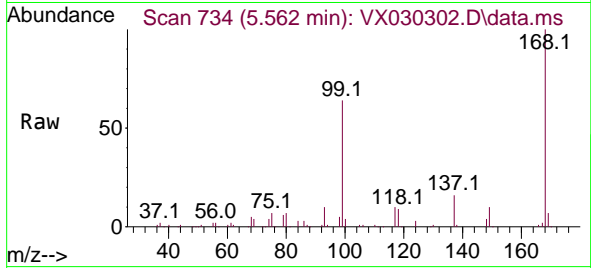




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.562 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: VX030302.D  
 Acq: 29 Jul 2022 14:59

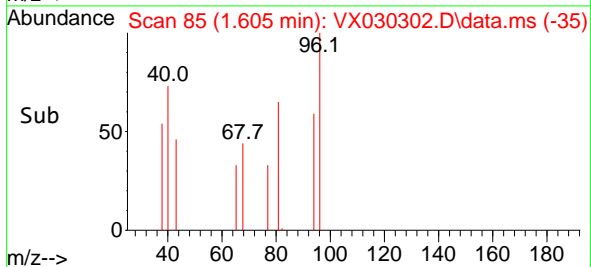
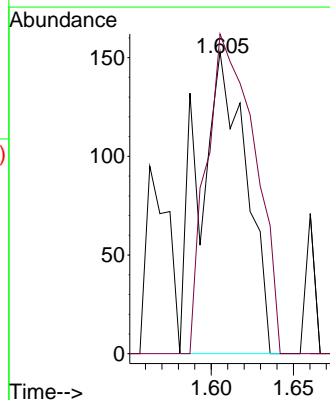
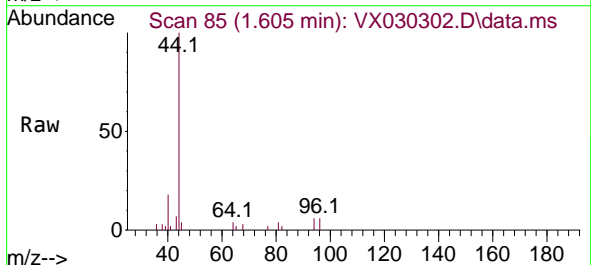
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-5

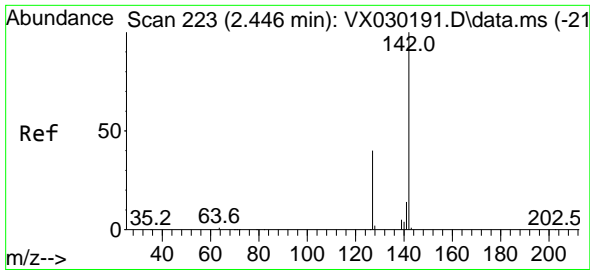
Tgt Ion:168 Resp: 149324  
 Ion Ratio Lower Upper  
 168 100  
 99 63.7 44.0 66.0



#5  
 Bromomethane  
 Concen: Below Cal  
 RT: 1.605 min Scan# 85  
 Delta R.T. 0.006 min  
 Lab File: VX030302.D  
 Acq: 29 Jul 2022 14:59

Tgt Ion: 94 Resp: 301  
 Ion Ratio Lower Upper  
 94 100  
 96 105.9 76.9 115.3

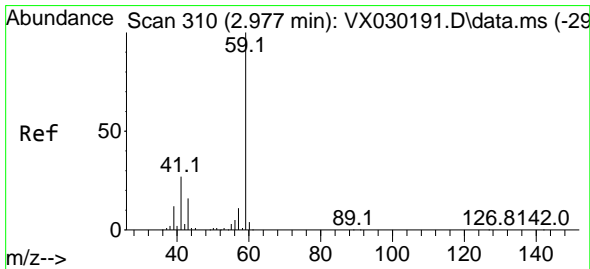
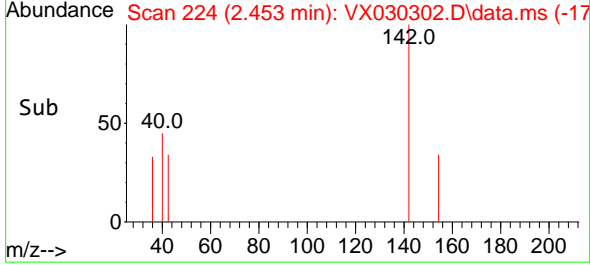
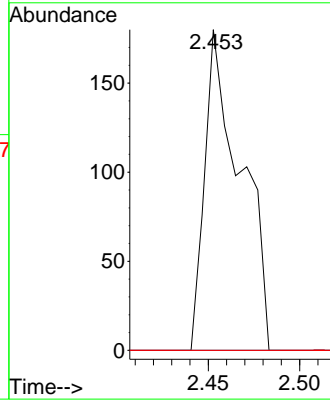
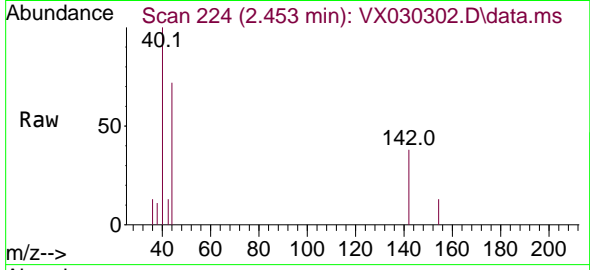




#10  
 Methyl Iodide  
 Concen: 1.628 ug/l  
 RT: 2.453 min Scan# 21  
 Delta R.T. 0.007 min  
 Lab File: VX030302.D  
 Acq: 29 Jul 2022 14:59

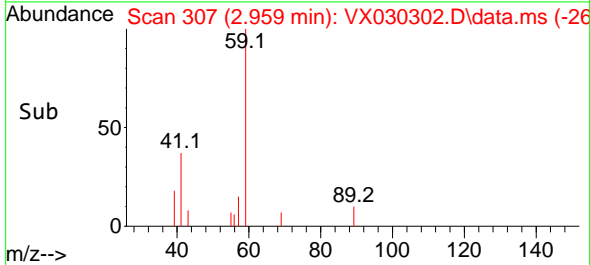
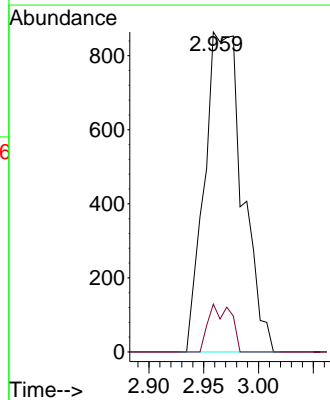
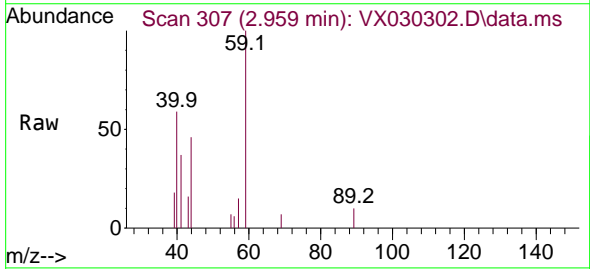
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-5

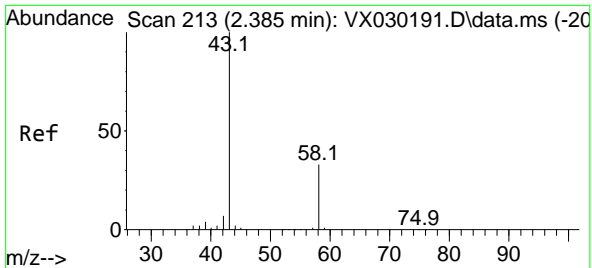
Tgt Ion:142 Resp: 246  
 Ion Ratio Lower Upper  
 142 100  
 127 0.0 30.2 45.2#  
 141 0.0 11.3 16.9#



#11  
 Tert butyl alcohol  
 Concen: 2.840 ug/l  
 RT: 2.959 min Scan# 307  
 Delta R.T. -0.018 min  
 Lab File: VX030302.D  
 Acq: 29 Jul 2022 14:59

Tgt Ion: 59 Resp: 2079  
 Ion Ratio Lower Upper  
 59 100  
 57 8.9 7.4 11.2

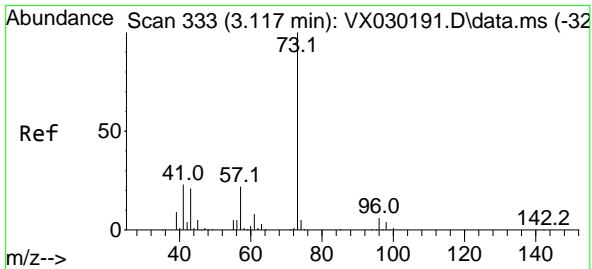
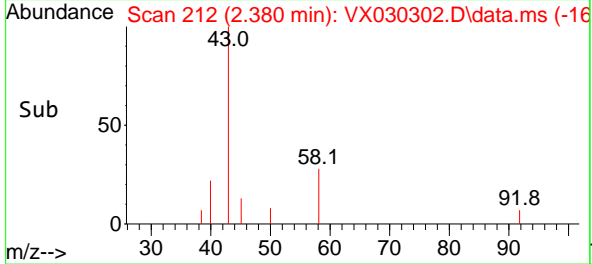
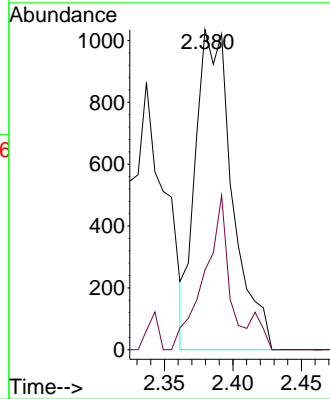
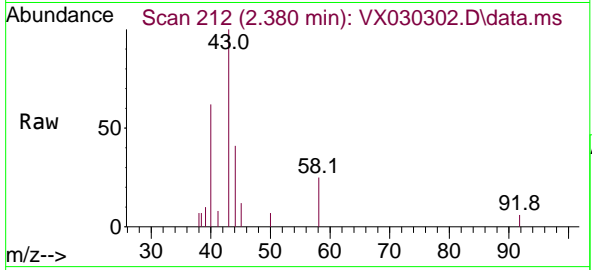




#16  
 Acetone  
 Concen: 1.264 ug/l  
 RT: 2.380 min Scan# 213  
 Delta R.T. -0.005 min  
 Lab File: VX030302.D  
 Acq: 29 Jul 2022 14:59

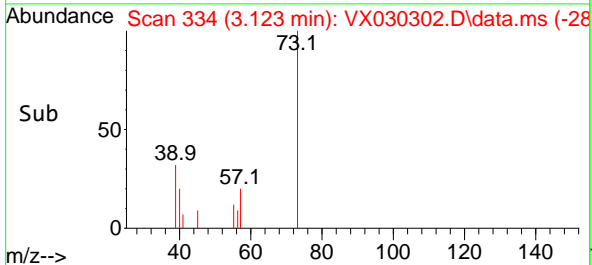
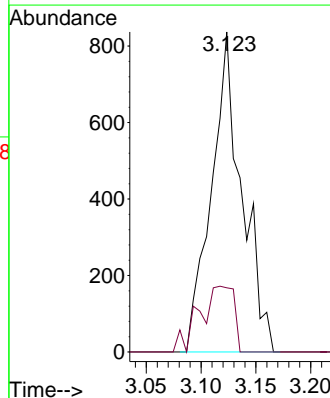
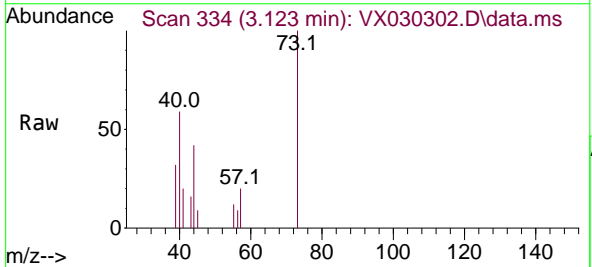
Instrument : MSVOA\_X  
 Client SampleId : MW-5

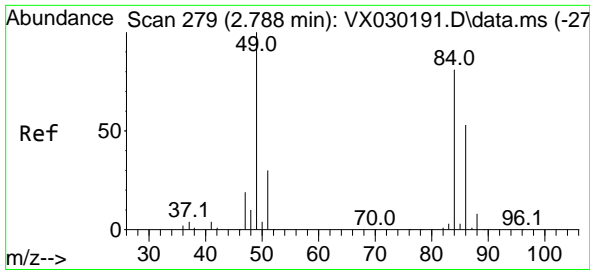
Tgt Ion: 43 Resp: 1942  
 Ion Ratio Lower Upper  
 43 100  
 58 24.9 27.7 41.5#



#19  
 Methyl tert-butyl Ether  
 Concen: 0.203 ug/l  
 RT: 3.123 min Scan# 334  
 Delta R.T. 0.006 min  
 Lab File: VX030302.D  
 Acq: 29 Jul 2022 14:59

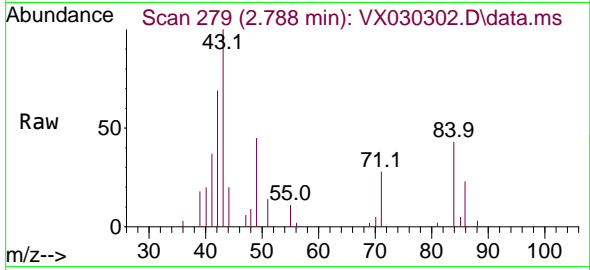
Tgt Ion: 73 Resp: 1622  
 Ion Ratio Lower Upper  
 73 100  
 57 20.1 19.0 28.6





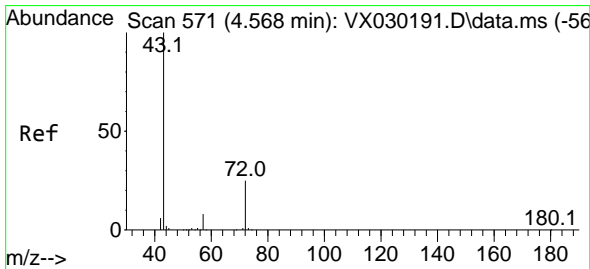
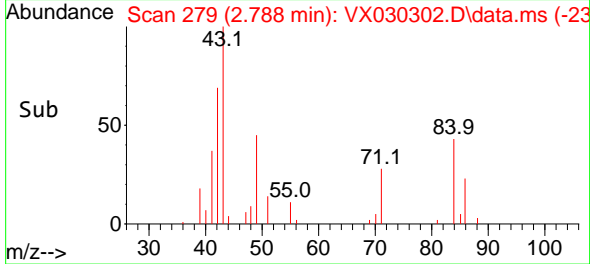
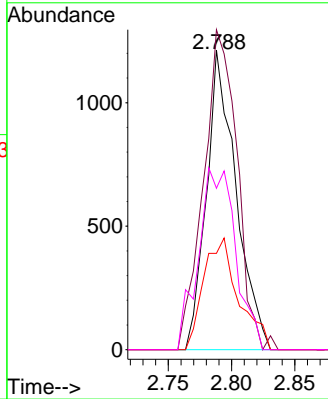
#20  
 Methylene Chloride  
 Concen: Below Cal  
 RT: 2.788 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VX030302.D  
 Acq: 29 Jul 2022 14:59

Instrument : MSVOA\_X  
 ClientSampleId : MW-5



Tgt Ion: 84 Resp: 1973

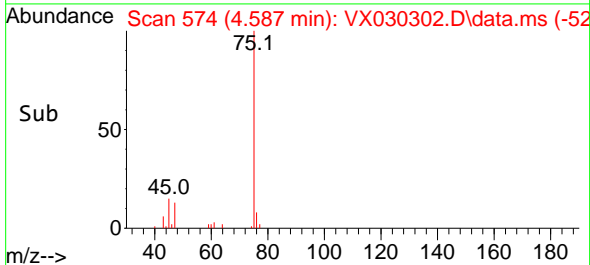
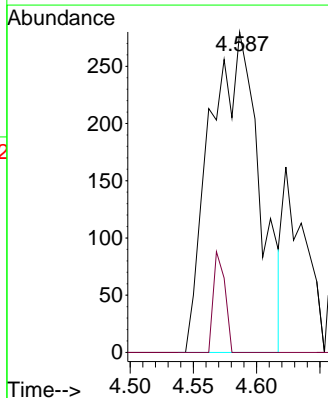
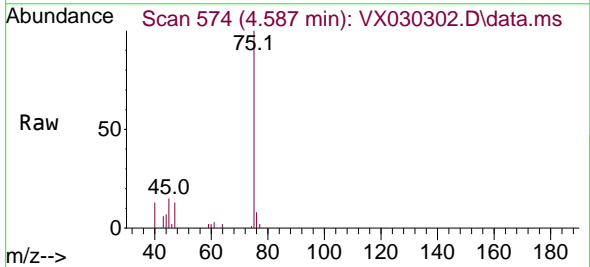
Ion	Ratio	Lower	Upper
84	100		
49	106.8	93.8	140.6
51	32.1	29.4	44.0
86	53.9	51.0	76.4

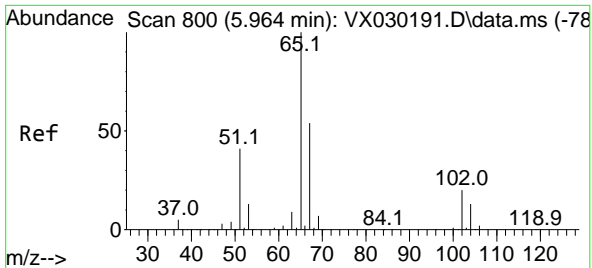


#25  
 2-Butanone  
 Concen: 0.294 ug/l  
 RT: 4.587 min Scan# 574  
 Delta R.T. 0.019 min  
 Lab File: VX030302.D  
 Acq: 29 Jul 2022 14:59

Tgt Ion: 43 Resp: 760

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.7	32.5#

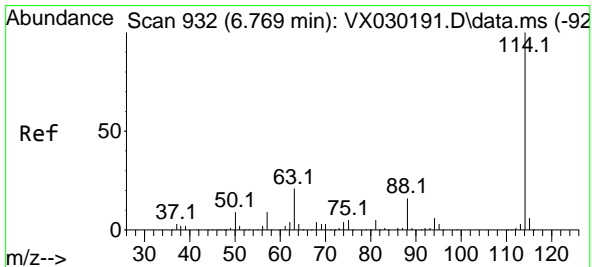
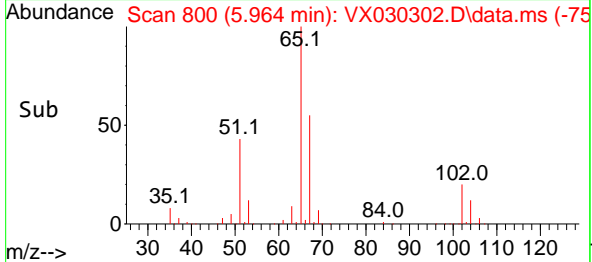
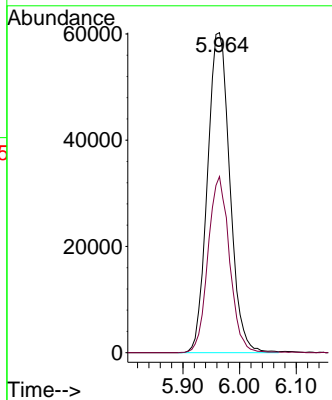
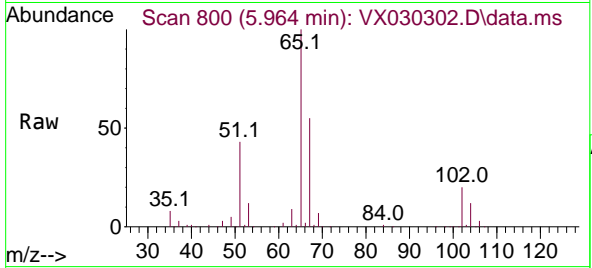




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.970 ug/l  
 RT: 5.964 min Scan# 800  
 Delta R.T. 0.000 min  
 Lab File: VX030302.D  
 Acq: 29 Jul 2022 14:59

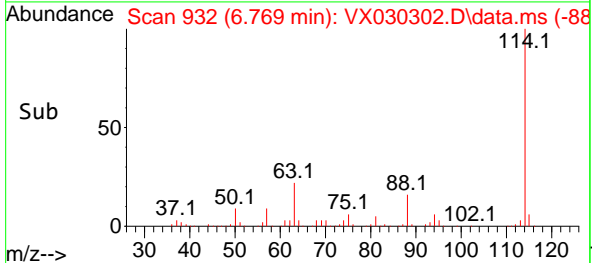
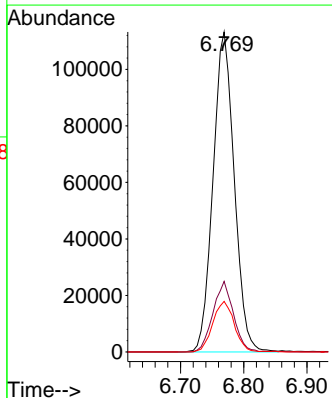
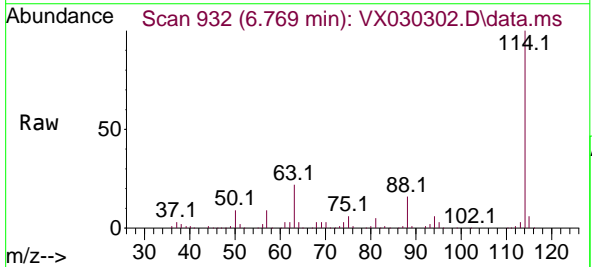
Instrument : MSVOA\_X  
 ClientSampleId : MW-5

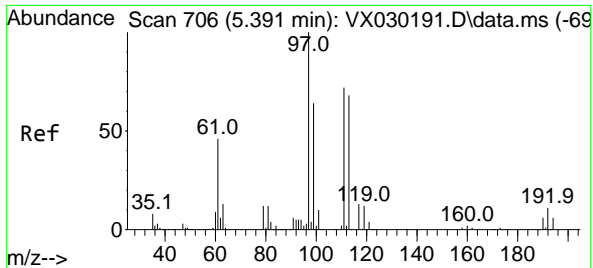
Tgt Ion: 65 Resp: 164984  
 Ion Ratio Lower Upper  
 65 100  
 67 53.0 0.0 109.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.769 min Scan# 932  
 Delta R.T. 0.000 min  
 Lab File: VX030302.D  
 Acq: 29 Jul 2022 14:59

Tgt Ion: 114 Resp: 263087  
 Ion Ratio Lower Upper  
 114 100  
 63 22.0 0.0 38.4  
 88 15.8 0.0 31.8

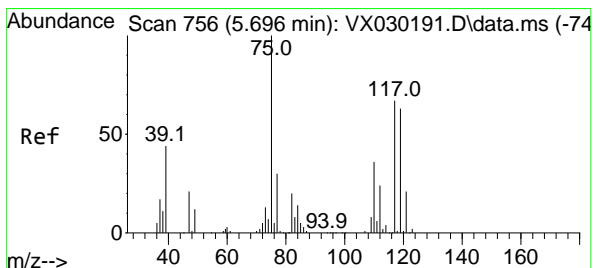
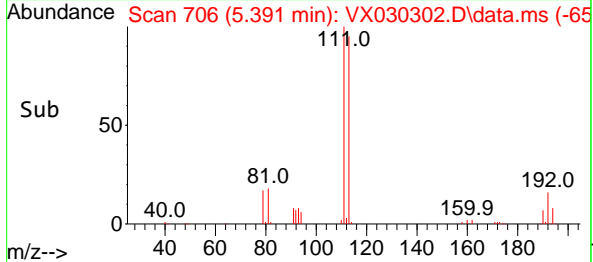
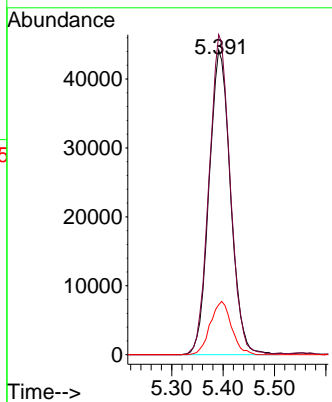
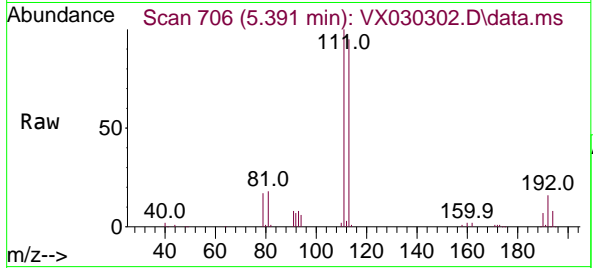




#35  
 Dibromofluoromethane  
 Concen: 50.889 ug/l  
 RT: 5.391 min Scan# 706  
 Delta R.T. 0.000 min  
 Lab File: VX030302.D  
 Acq: 29 Jul 2022 14:59

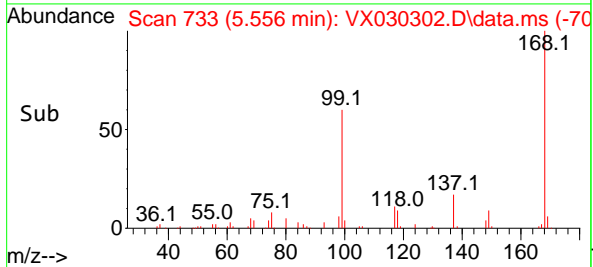
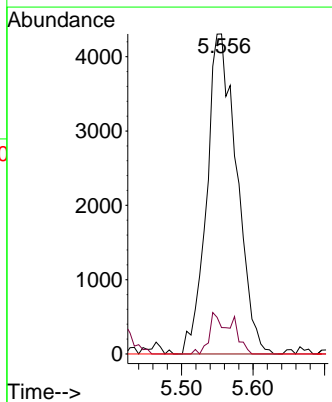
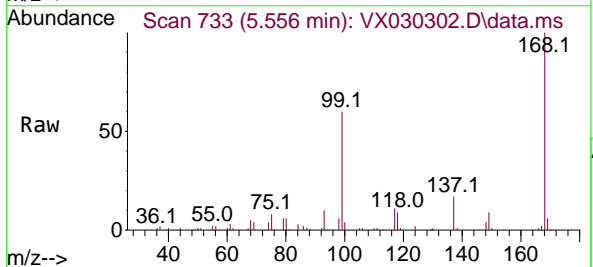
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 ClientSampleId : MW-5

Tgt Ion:	113	Resp:	127985
Ion Ratio	Lower	Upper	
113	100		
111	103.7	83.2	124.8
192	17.3	14.8	22.2

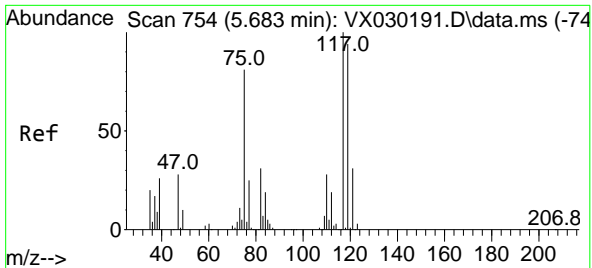


#36  
 1,1-Dichloropropene  
 Concen: 3.473 ug/l  
 RT: 5.556 min Scan# 733  
 Delta R.T. -0.140 min  
 Lab File: VX030302.D  
 Acq: 29 Jul 2022 14:59

Tgt Ion:	75	Resp:	12569
Ion Ratio	Lower	Upper	
75	100		
110	7.1	19.3	57.9#
77	0.0	24.4	36.6#



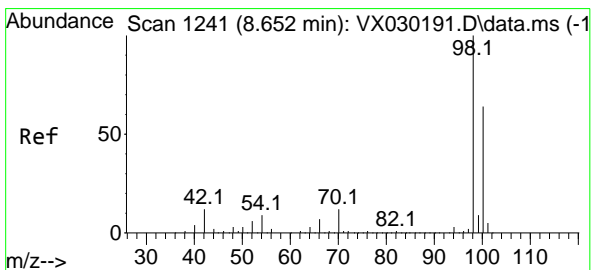
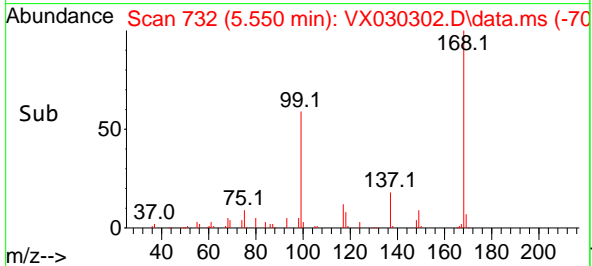
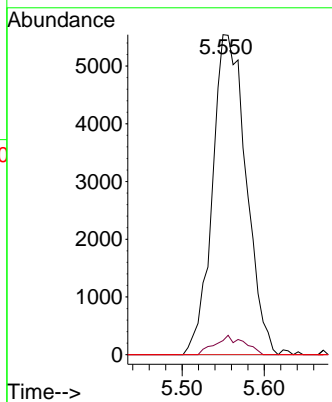
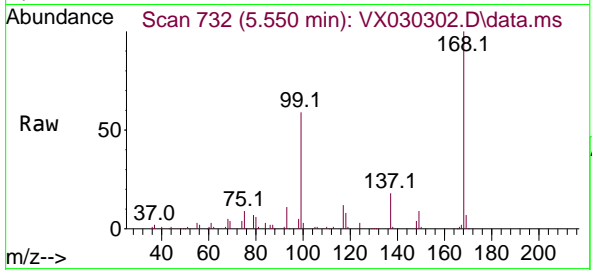




#38  
 Carbon Tetrachloride  
 Concen: 4.667 ug/l  
 RT: 5.550 min Scan# 71  
 Delta R.T. -0.133 min  
 Lab File: VX030302.D  
 Acq: 29 Jul 2022 14:59

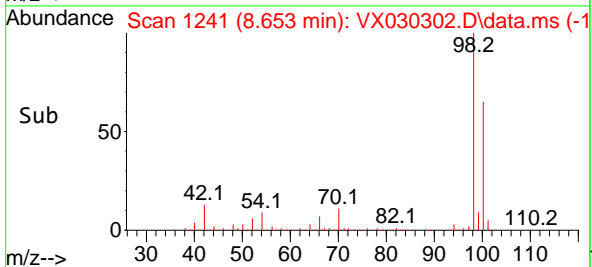
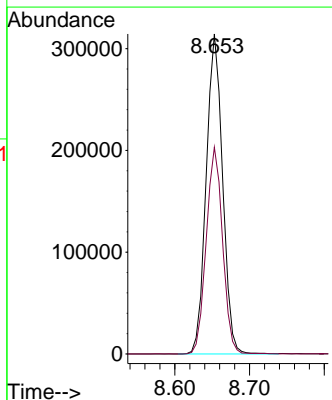
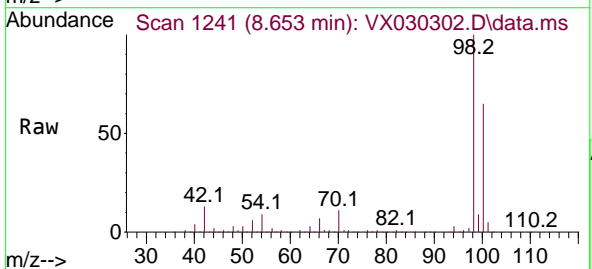
Instrument : MSVOA\_X  
 ClientSampleId : MW-5

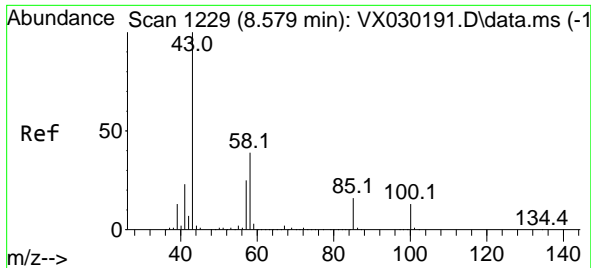
Tgt Ion: 117 Resp: 15768  
 Ion Ratio Lower Upper  
 117 100  
 119 4.4 74.1 111.1#  
 121 0.0 25.8 38.8#



#50  
 Toluene-d8  
 Concen: 49.177 ug/l  
 RT: 8.653 min Scan# 1241  
 Delta R.T. 0.001 min  
 Lab File: VX030302.D  
 Acq: 29 Jul 2022 14:59

Tgt Ion: 98 Resp: 478962  
 Ion Ratio Lower Upper  
 98 100  
 100 64.5 52.3 78.5

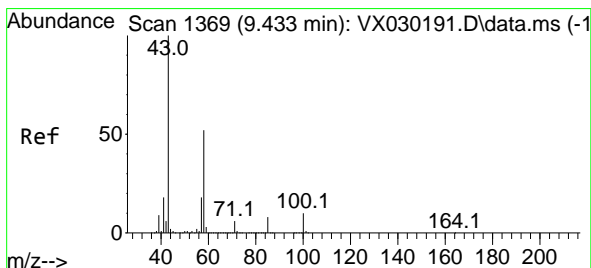
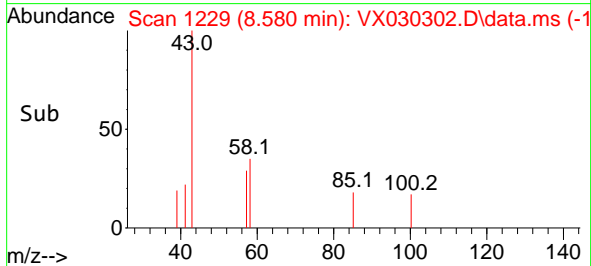
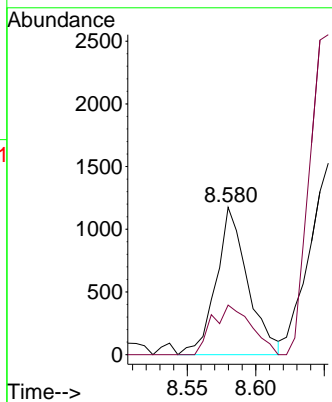
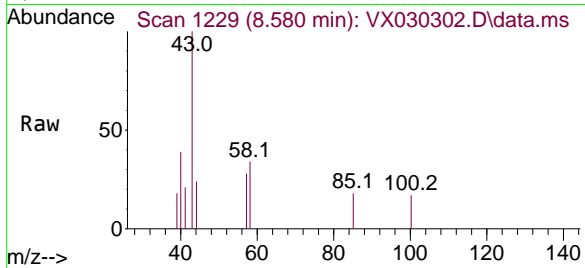




#51  
 4-Methyl-2-Pentanone  
 Concen: 0.369 ug/l  
 RT: 8.580 min Scan# 11  
 Delta R.T. 0.001 min  
 Lab File: VX030302.D  
 Acq: 29 Jul 2022 14:59

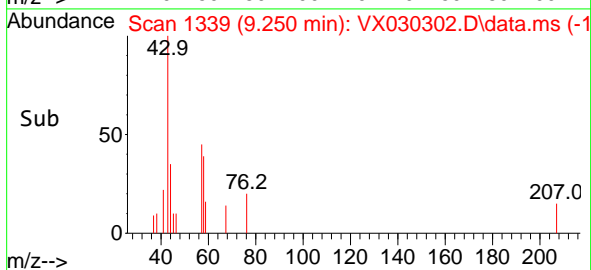
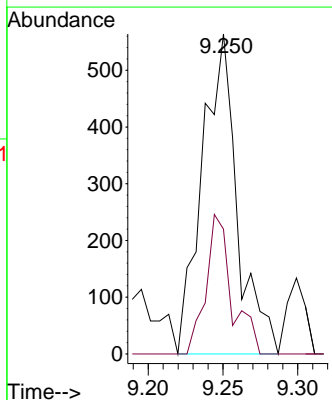
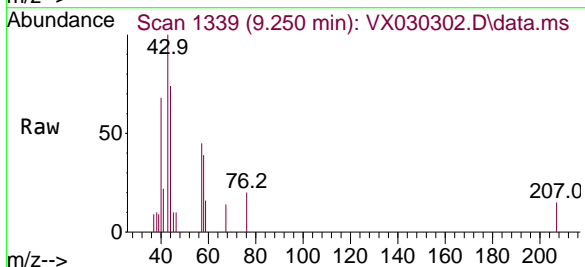
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-5

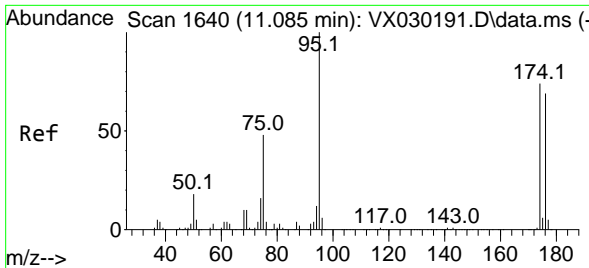
Tgt Ion: 43 Resp: 1884  
 Ion Ratio Lower Upper  
 43 100  
 58 41.7 31.4 47.2



#59  
 2-Hexanone  
 Concen: 0.229 ug/l  
 RT: 9.250 min Scan# 1339  
 Delta R.T. -0.183 min  
 Lab File: VX030302.D  
 Acq: 29 Jul 2022 14:59

Tgt Ion: 43 Resp: 921  
 Ion Ratio Lower Upper  
 43 100  
 58 32.0 27.6 82.8



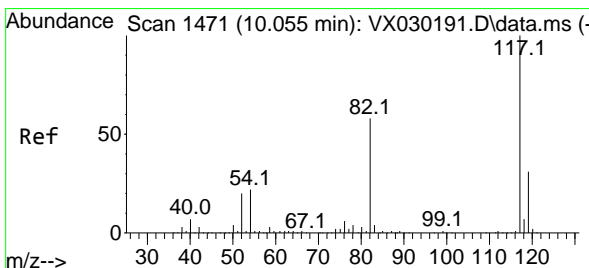
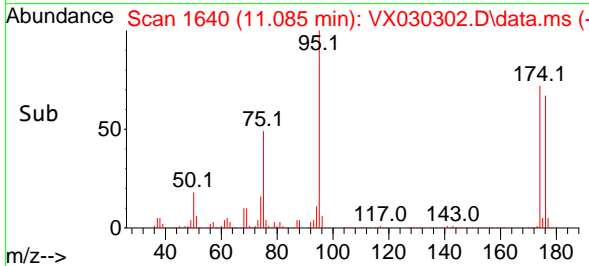
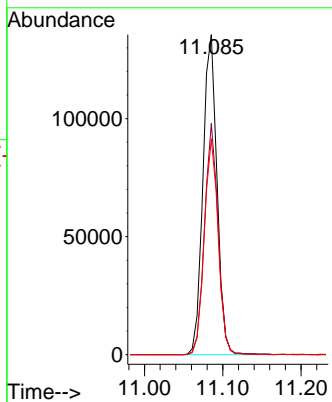
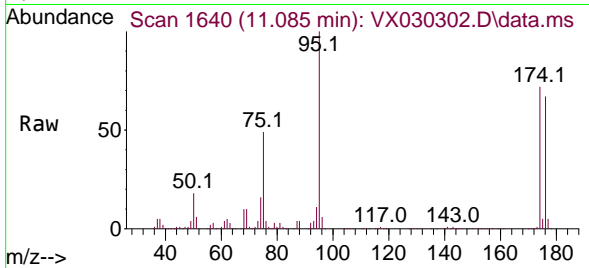


#62  
 4-Bromofluorobenzene  
 Concen: 46.685 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. 0.000 min  
 Lab File: VX030302.D  
 Acq: 29 Jul 2022 14:59

Instrument : MSVOA\_X  
 ClientSampleId : MW-5

Tgt Ion: 95 Resp: 168747

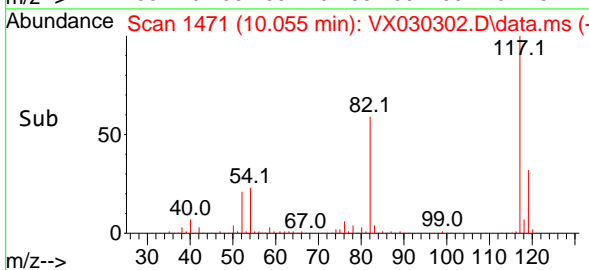
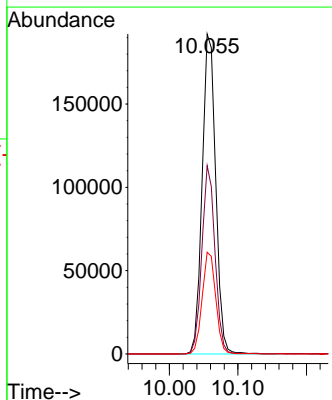
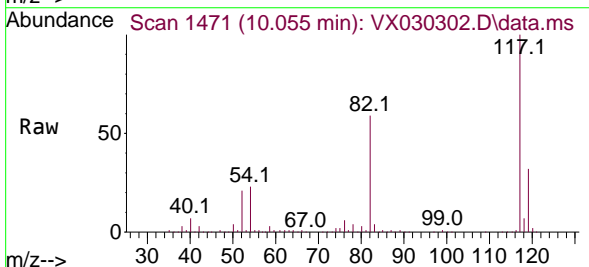
Ion	Ratio	Lower	Upper
95	100		
174	70.1	0.0	149.0
176	66.7	0.0	146.0

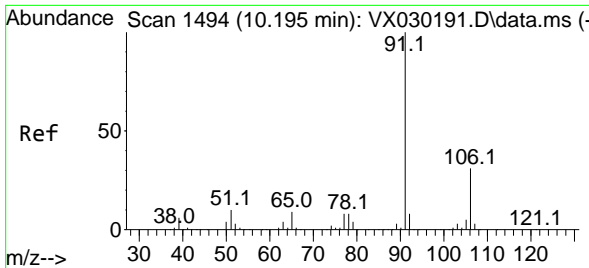


#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 10.055 min Scan# 1471  
 Delta R.T. 0.000 min  
 Lab File: VX030302.D  
 Acq: 29 Jul 2022 14:59

Tgt Ion: 117 Resp: 264060

Ion	Ratio	Lower	Upper
117	100		
82	58.8	42.7	64.1
119	31.8	25.4	38.2

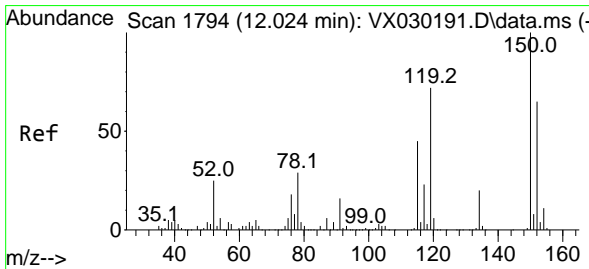
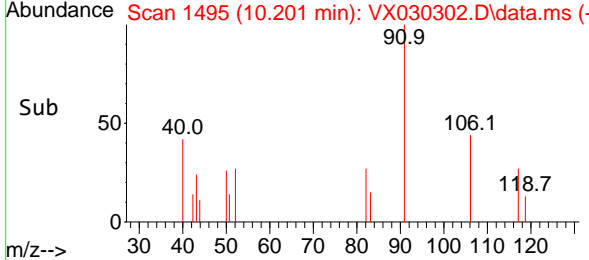
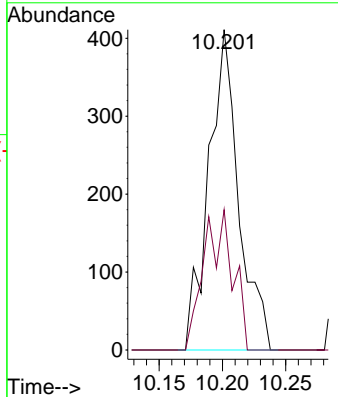
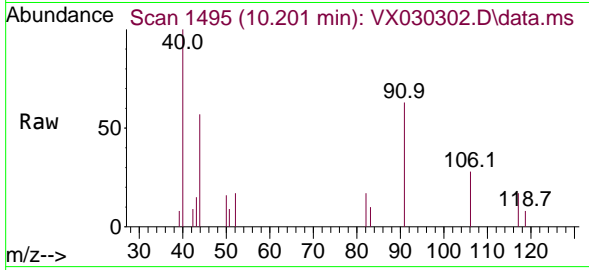




#67  
 Ethyl Benzene  
 Concen: Below Cal  
 RT: 10.201 min Scan# 1495  
 Delta R.T. 0.006 min  
 Lab File: VX030302.D  
 Acq: 29 Jul 2022 14:59

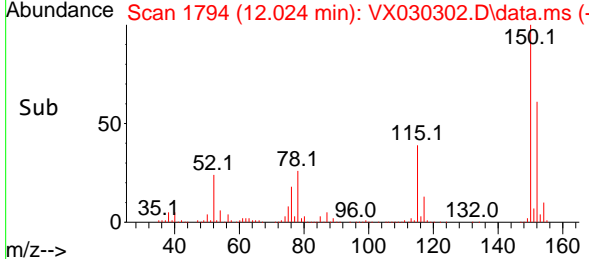
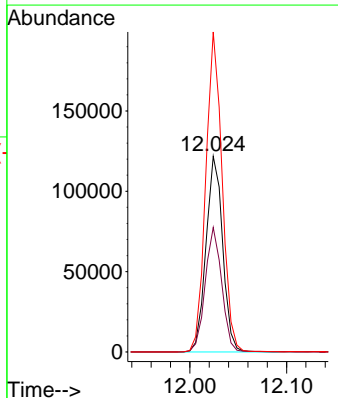
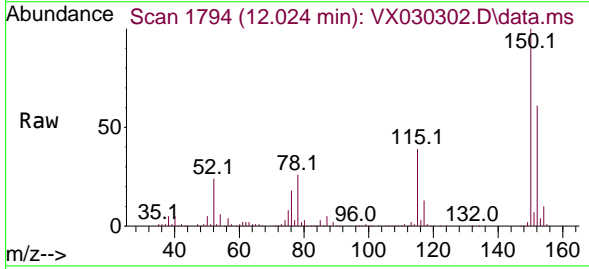
Instrument : MSVOA\_X  
 ClientSampleId : MW-5

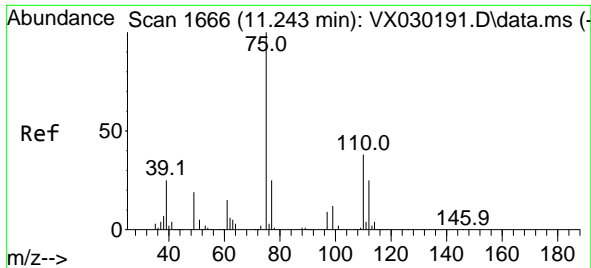
Tgt Ion: 91 Resp: 676  
 Ion Ratio Lower Upper  
 91 100  
 106 43.8 25.5 38.3#



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1794  
 Delta R.T. 0.000 min  
 Lab File: VX030302.D  
 Acq: 29 Jul 2022 14:59

Tgt Ion:152 Resp: 146243  
 Ion Ratio Lower Upper  
 152 100  
 115 63.2 40.5 121.5  
 150 159.7 0.0 347.0

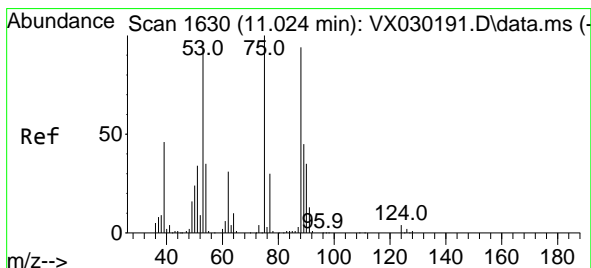
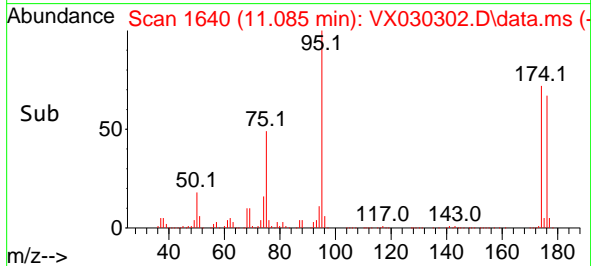
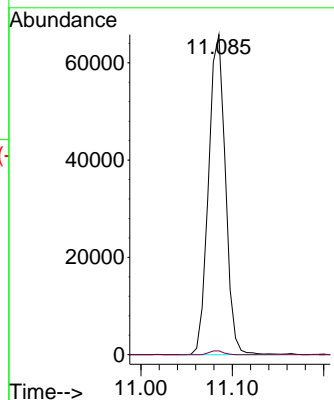
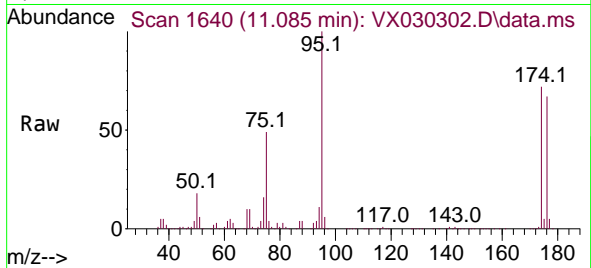




#76  
 1,2,3-Trichloropropane  
 Concen: 21.831 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. -0.158 min  
 Lab File: VX030302.D  
 Acq: 29 Jul 2022 14:59

Instrument : MSVOA\_X  
 ClientSampleId : MW-5

Tgt Ion: 75 Resp: 84156  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 19.8 59.3#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 65.491 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. 0.061 min  
 Lab File: VX030302.D  
 Acq: 29 Jul 2022 14:59

Tgt Ion: 75 Resp: 84156  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 74.2 111.4#  
 89 0.0 34.8 52.2#

