

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX052022\  
 Data File : VX028876.D  
 Acq On : 21 May 2022 02:14  
 Operator : JC/MD  
 Sample : N2970-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RB01-20220518

Quant Time: May 21 02:51:03 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051222W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 12 14:58:53 2022  
 Response via : Initial Calibration

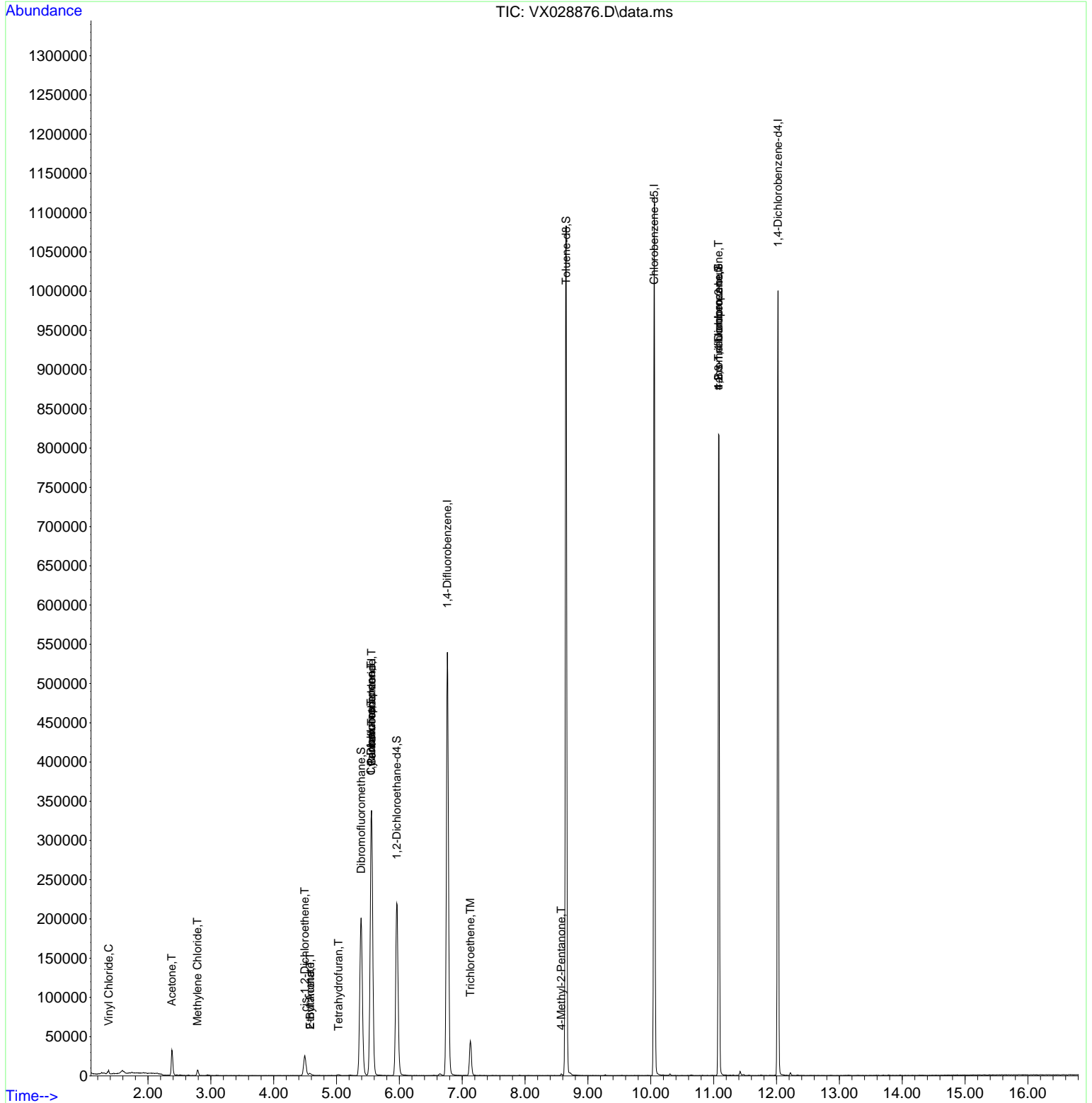
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	309844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	544945	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	486841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	203346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	221880	52.241	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	104.480%	
35) Dibromofluoromethane	5.391	113	175687	49.207	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	98.420%	
50) Toluene-d8	8.653	98	648271	48.159	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	96.320%	
62) 4-Bromofluorobenzene	11.079	95	227605	45.269	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	90.540%	
Target Compounds						
						Qvalue
4) Vinyl Chloride	1.374	62	2563	0.622	ug/l #	82
5) Bromomethane	1.618	94	1127	Below Cal	#	68
6) Chloroethane	1.672	64	275	Below Cal	#	43
11) Tert butyl alcohol	2.947	59	265	Below Cal	#	72
16) Acetone	2.380	43	35315	19.374	ug/l	94
20) Methylene Chloride	2.788	84	3254	0.851	ug/l	87
25) 2-Butanone	4.580	43	5103	1.784	ug/l #	88
27) cis-1,2-Dichloroethene	4.495	96	16171	3.833	ug/l	92
29) Tetrahydrofuran	5.032	42	1118	0.601	ug/l #	77
31) Cyclohexane	5.550	56	6620	1.123	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	24688	4.604	ug/l #	50
37) Ethyl Acetate	4.580	43	5103	0.911	ug/l #	65
38) Carbon Tetrachloride	5.556	117	33365	6.182	ug/l #	16
44) Trichloroethene	7.129	130	17760	4.249	ug/l	85
51) 4-Methyl-2-Pentanone	8.574	43	1418	0.246	ug/l #	76
76) 1,2,3-Trichloropropane	11.079	75	119220	25.035	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	119220	72.774	ug/l #	15

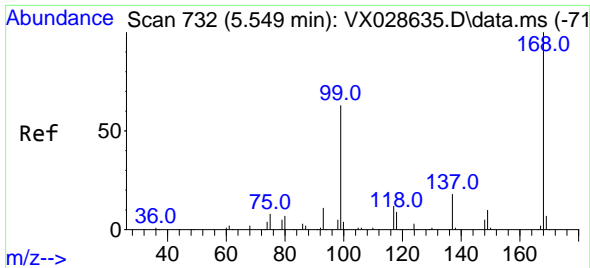
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX052022\  
 Data File : VX028876.D  
 Acq On : 21 May 2022 02:14  
 Operator : JC/MD  
 Sample : N2970-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RB01-20220518

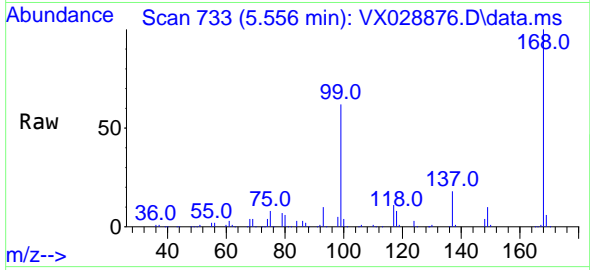
Quant Time: May 21 02:51:03 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051222W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 12 14:58:53 2022  
 Response via : Initial Calibration



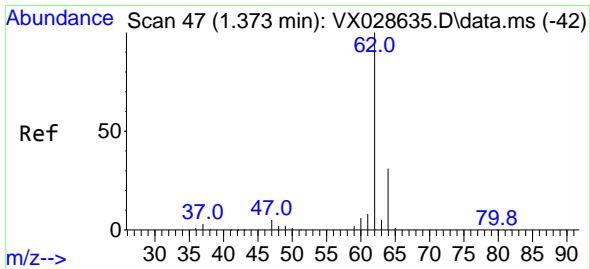
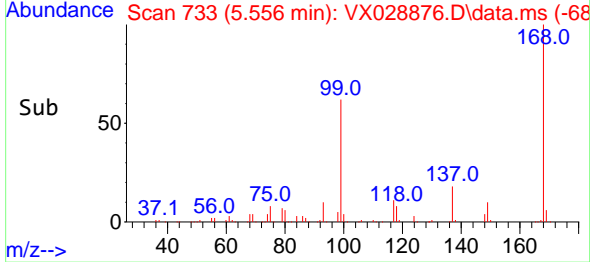
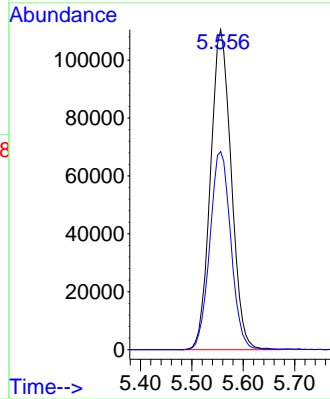


#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.556 min Scan# 71  
 Delta R.T. 0.007 min  
 Lab File: VX028876.D  
 Acq: 21 May 2022 02:14

Instrument : MSVOA\_X  
 ClientSampleId : RB01-20220518

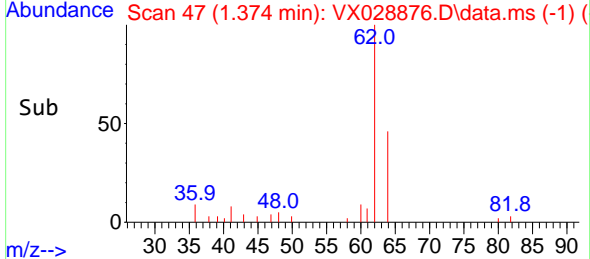
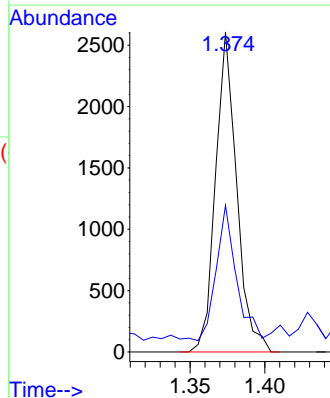
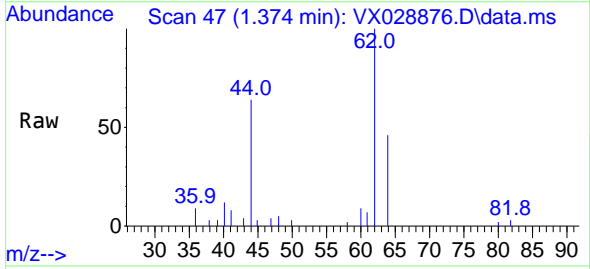


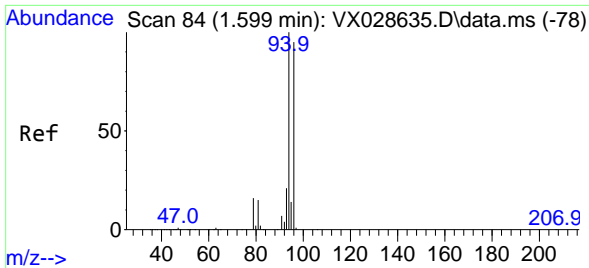
Tgt Ion:168 Resp: 309844  
 Ion Ratio Lower Upper  
 168 100  
 99 61.9 41.7 62.5



#4  
 Vinyl Chloride  
 Concen: 0.622 ug/l  
 RT: 1.374 min Scan# 47  
 Delta R.T. 0.001 min  
 Lab File: VX028876.D  
 Acq: 21 May 2022 02:14

Tgt Ion: 62 Resp: 2563  
 Ion Ratio Lower Upper  
 62 100  
 64 41.7 25.5 38.3#

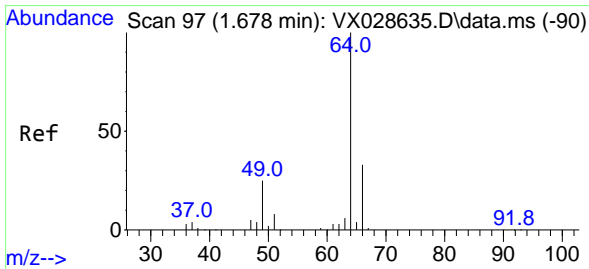
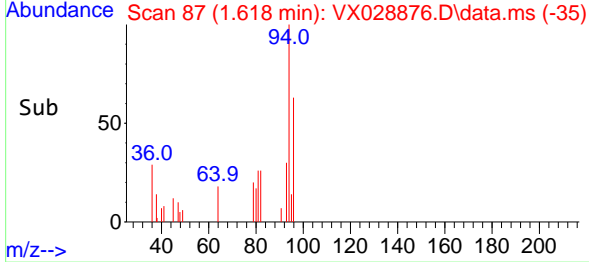
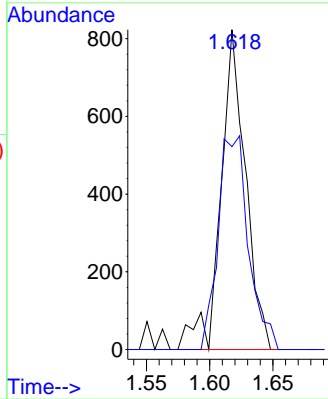
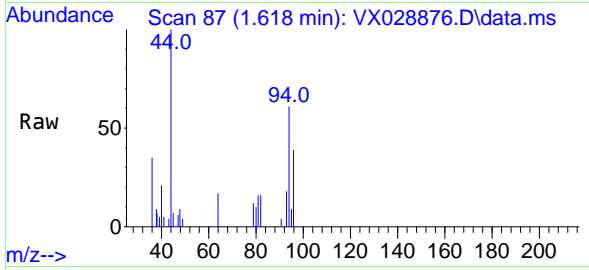




#5  
 Bromomethane  
 Concen: Below Cal  
 RT: 1.618 min Scan# 81  
 Delta R.T. 0.019 min  
 Lab File: VX028876.D  
 Acq: 21 May 2022 02:14

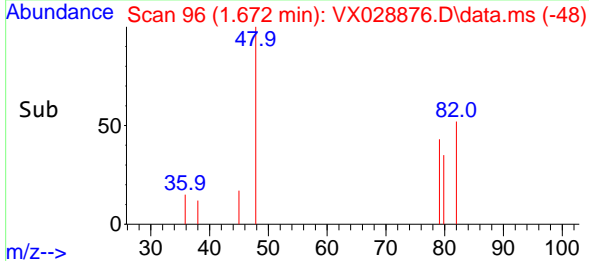
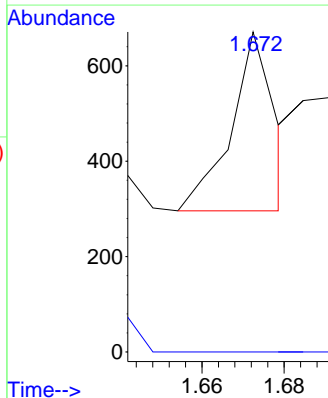
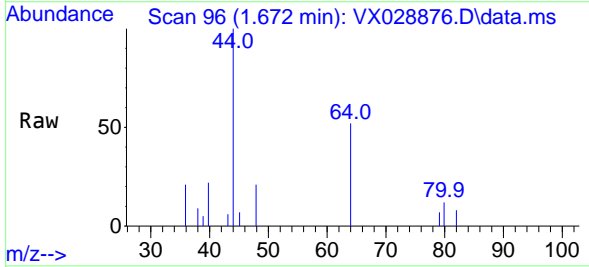
Instrument : MSVOA\_X  
 ClientSampleId : RB01-20220518

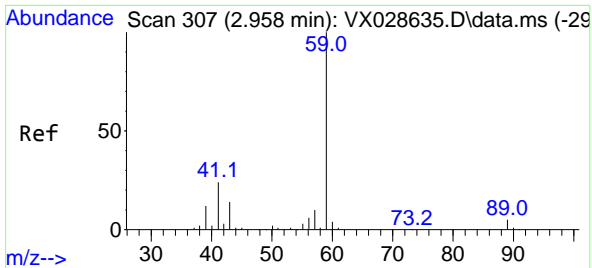
Tgt Ion: 94 Resp: 1127  
 Ion Ratio Lower Upper  
 94 100  
 96 63.4 75.3 112.9#



#6  
 Chloroethane  
 Concen: Below Cal  
 RT: 1.672 min Scan# 96  
 Delta R.T. -0.006 min  
 Lab File: VX028876.D  
 Acq: 21 May 2022 02:14

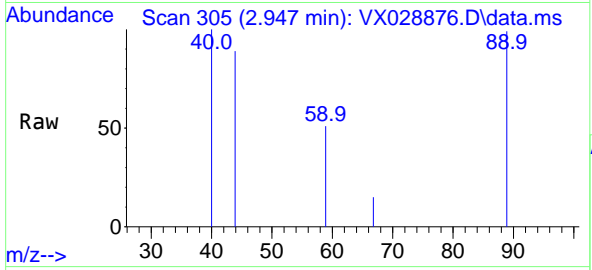
Tgt Ion: 64 Resp: 275  
 Ion Ratio Lower Upper  
 64 100  
 66 0.0 25.3 37.9#



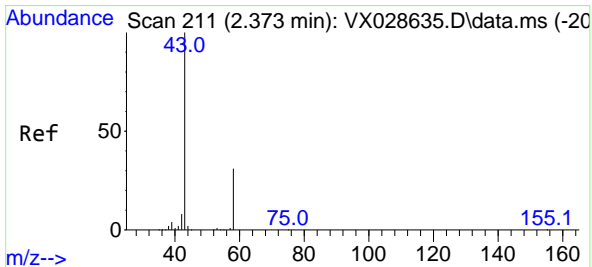
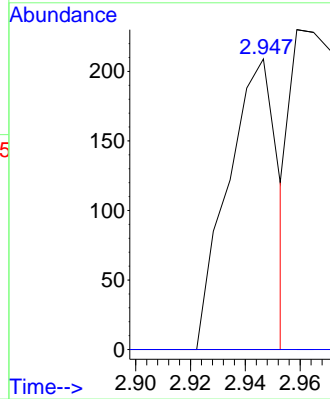
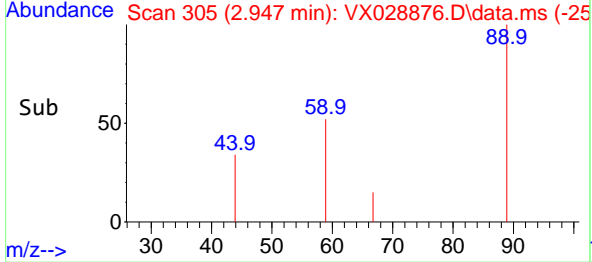


#11  
 Tert butyl alcohol  
 Concen: Below Cal  
 RT: 2.947 min Scan# 30  
 Delta R.T. -0.011 min  
 Lab File: VX028876.D  
 Acq: 21 May 2022 02:14

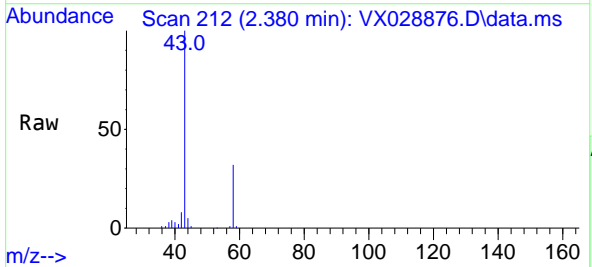
Instrument : MSVOA\_X  
 ClientSampleId : RB01-20220518



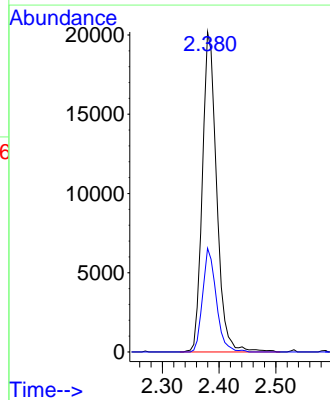
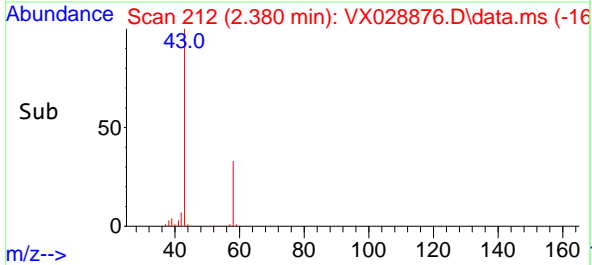
Tgt Ion: 59 Resp: 265  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 8.3 12.5#

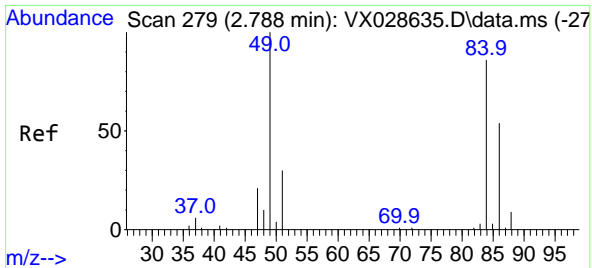


#16  
 Acetone  
 Concen: 19.374 ug/l  
 RT: 2.380 min Scan# 212  
 Delta R.T. 0.007 min  
 Lab File: VX028876.D  
 Acq: 21 May 2022 02:14



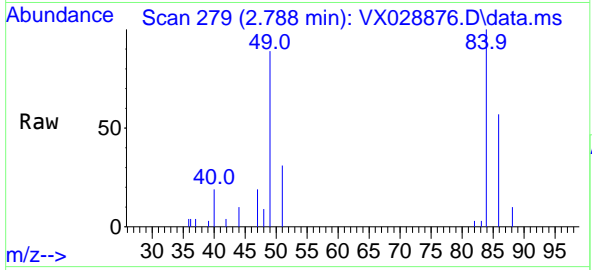
Tgt Ion: 43 Resp: 35315  
 Ion Ratio Lower Upper  
 43 100  
 58 32.4 28.8 43.2





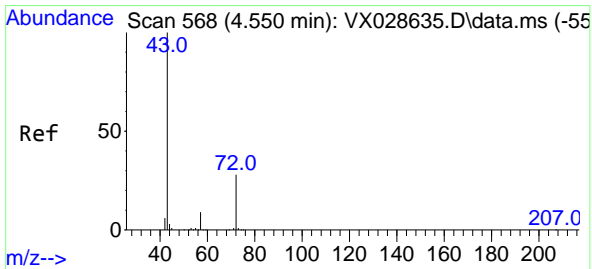
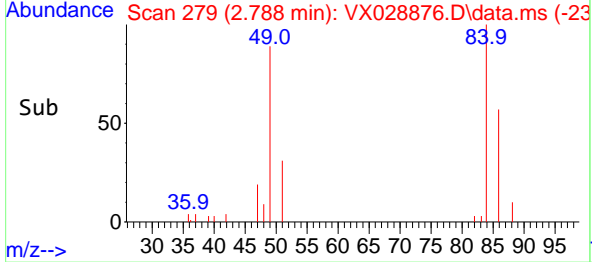
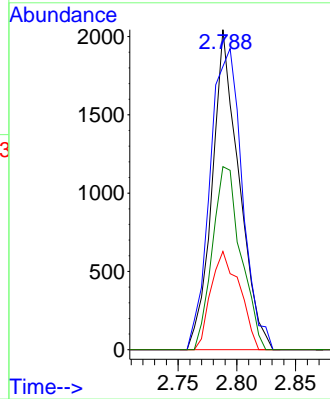
#20  
 Methylene Chloride  
 Concen: 0.851 ug/l  
 RT: 2.788 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VX028876.D  
 Acq: 21 May 2022 02:14

Instrument : MSVOA\_X  
 ClientSampleId : RB01-20220518

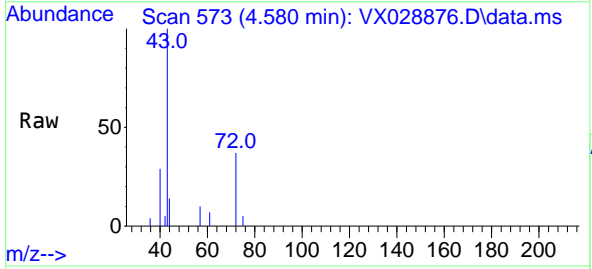


Tgt Ion: 84 Resp: 3254

Ion	Ratio	Lower	Upper
84	100		
49	88.5	85.5	128.3
51	30.7	26.6	39.8
86	57.2	51.5	77.3

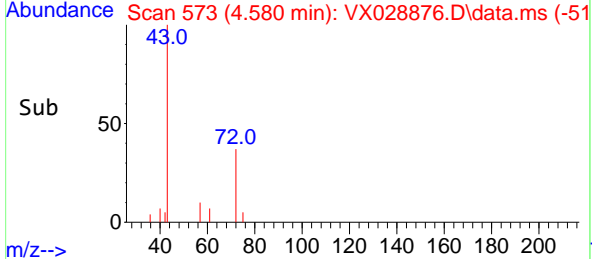
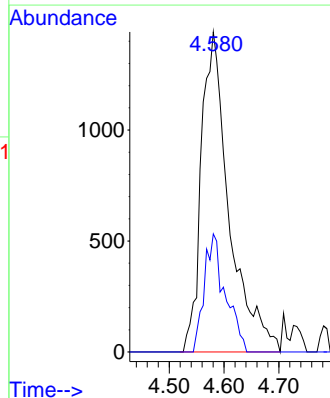


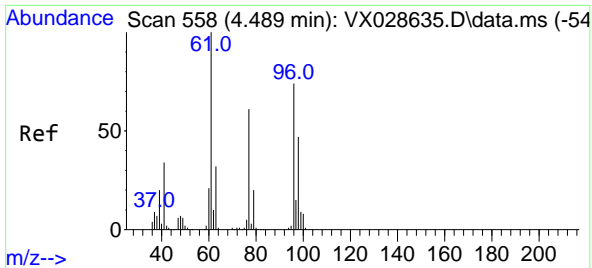
#25  
 2-Butanone  
 Concen: 1.784 ug/l  
 RT: 4.580 min Scan# 573  
 Delta R.T. 0.030 min  
 Lab File: VX028876.D  
 Acq: 21 May 2022 02:14



Tgt Ion: 43 Resp: 5103

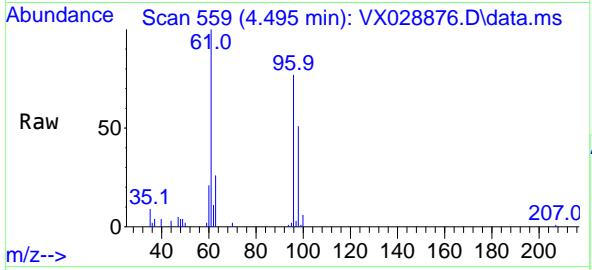
Ion	Ratio	Lower	Upper
43	100		
72	36.9	24.4	36.6#





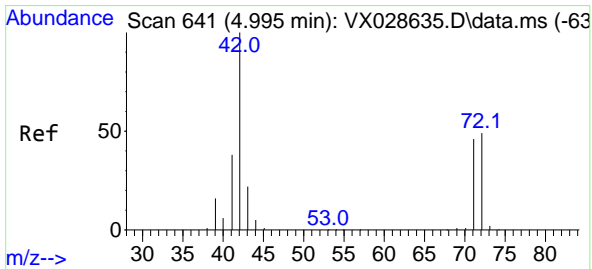
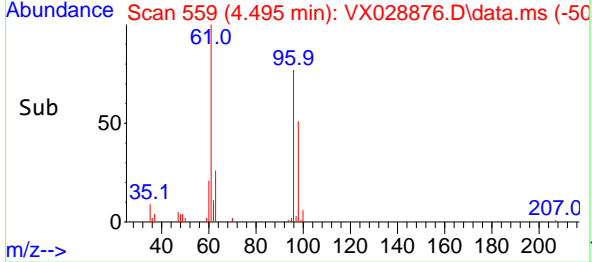
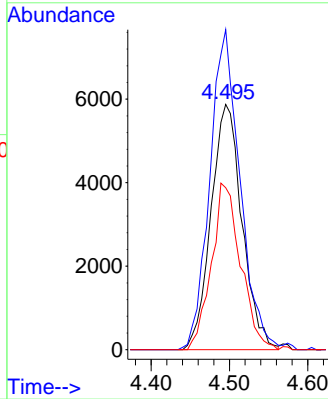
#27  
 cis-1,2-Dichloroethene  
 Concen: 3.833 ug/l  
 RT: 4.495 min Scan# 511  
 Delta R.T. 0.006 min  
 Lab File: VX028876.D  
 Acq: 21 May 2022 02:14

Instrument : MSVOA\_X  
 ClientSampleId : RB01-20220518



Tgt Ion: 96 Resp: 16171

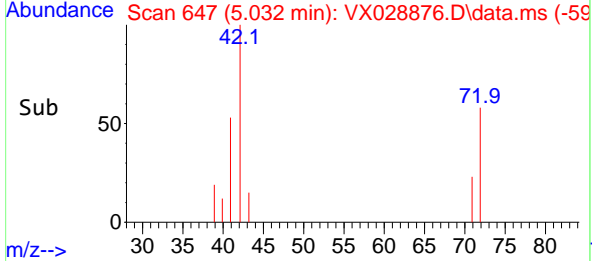
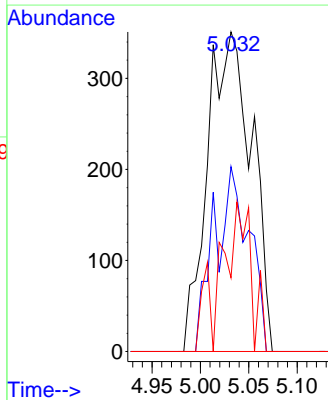
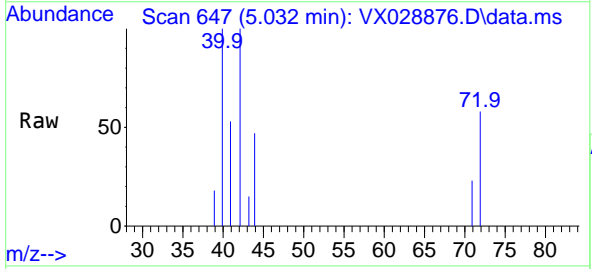
Ion	Ratio	Lower	Upper
96	100		
61	127.8	0.0	283.8
98	63.8	0.0	129.8

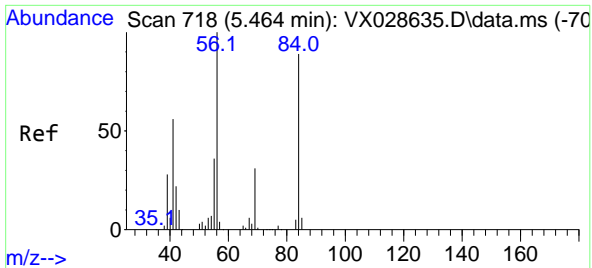


#29  
 Tetrahydrofuran  
 Concen: 0.601 ug/l  
 RT: 5.032 min Scan# 647  
 Delta R.T. 0.037 min  
 Lab File: VX028876.D  
 Acq: 21 May 2022 02:14

Tgt Ion: 42 Resp: 1118

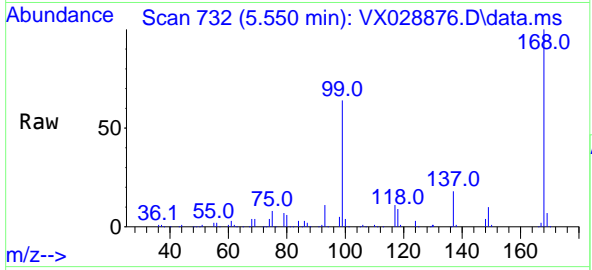
Ion	Ratio	Lower	Upper
42	100		
72	45.3	44.1	66.1
71	27.6	40.5	60.7#



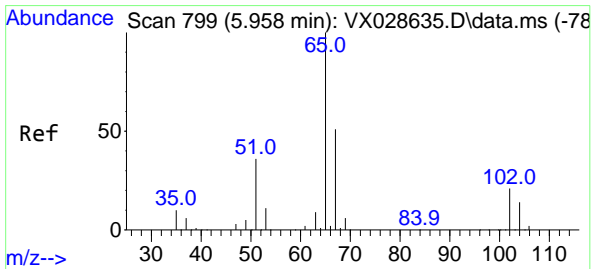
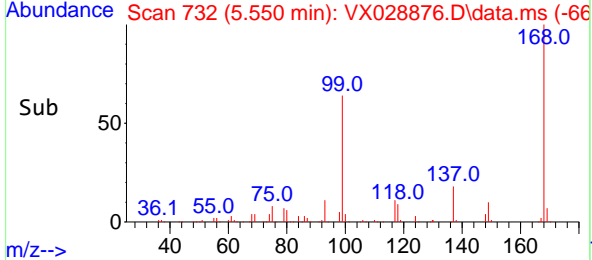
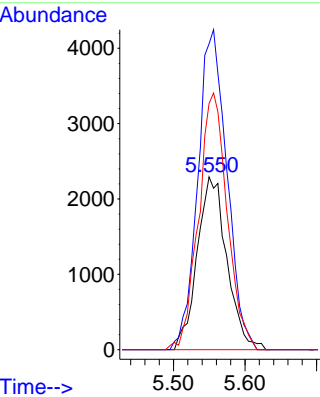


#31  
 Cyclohexane  
 Concen: 1.123 ug/l  
 RT: 5.550 min Scan# 718  
 Delta R.T. 0.086 min  
 Lab File: VX028876.D  
 Acq: 21 May 2022 02:14

Instrument : MSVOA\_X  
 ClientSampleId : RB01-20220518

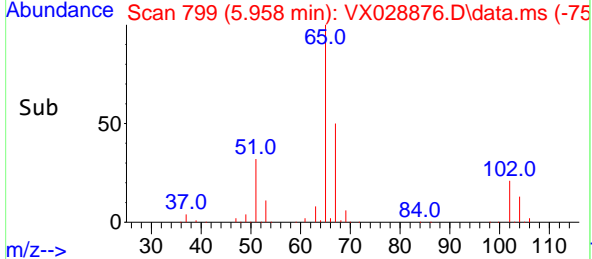
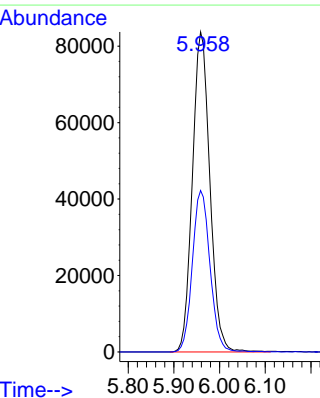
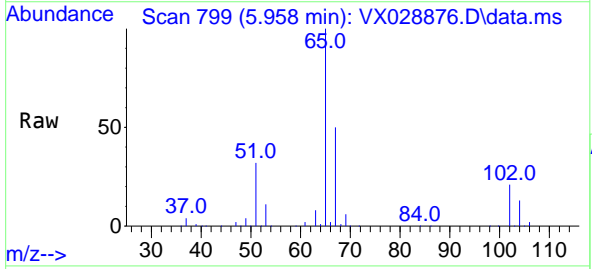


Tgt Ion: 56 Resp: 6620  
 Ion Ratio Lower Upper  
 56 100  
 69 177.1 26.7 40.1#  
 84 142.6 77.2 115.8#

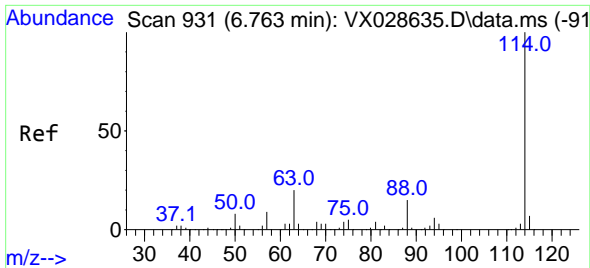


#33  
 1,2-Dichloroethane-d4  
 Concen: 52.241 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. 0.000 min  
 Lab File: VX028876.D  
 Acq: 21 May 2022 02:14

Tgt Ion: 65 Resp: 221880  
 Ion Ratio Lower Upper  
 65 100  
 67 50.9 0.0 107.4

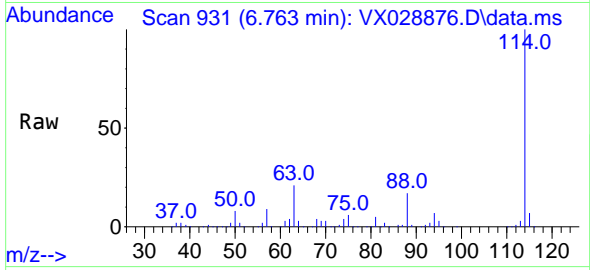




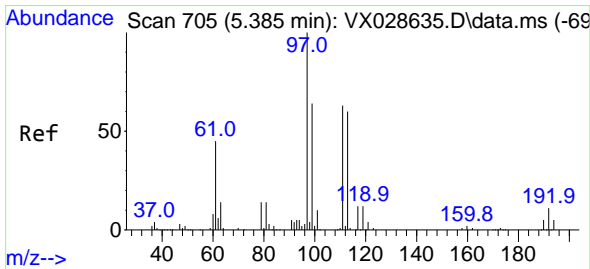
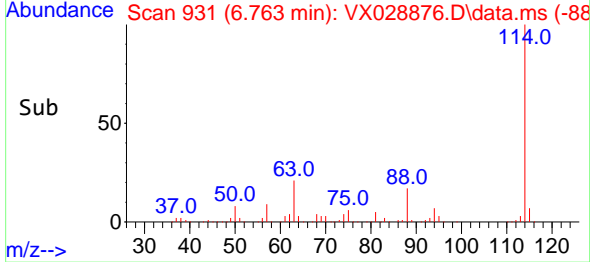
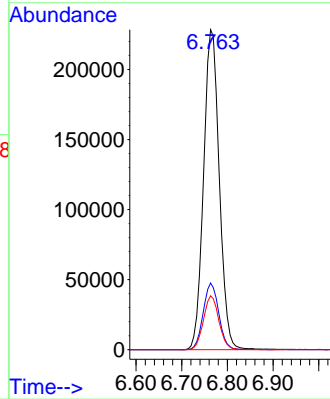


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 91  
 Delta R.T. -0.000 min  
 Lab File: VX028876.D  
 Acq: 21 May 2022 02:14

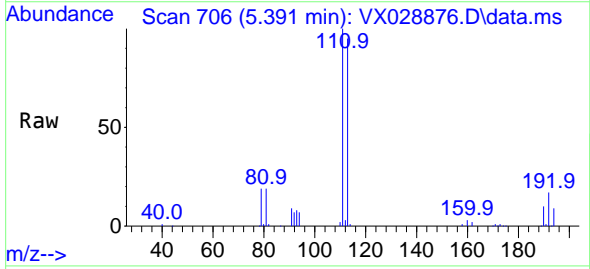
Instrument : MSVOA\_X  
 ClientSampleId : RB01-20220518



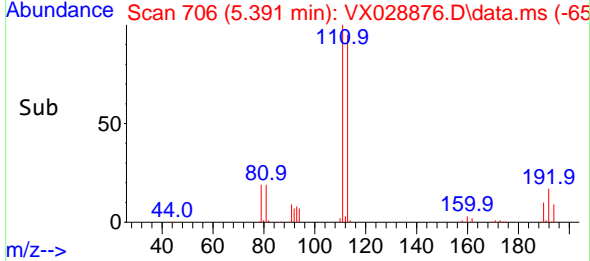
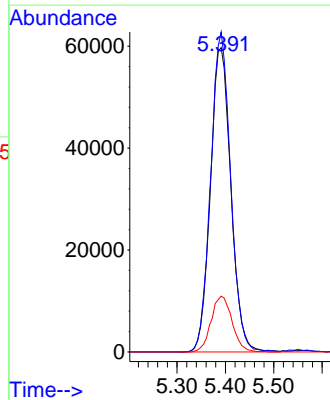
Tgt Ion:114 Resp: 544945  
 Ion Ratio Lower Upper  
 114 100  
 63 20.8 0.0 36.8  
 88 16.8 0.0 32.4

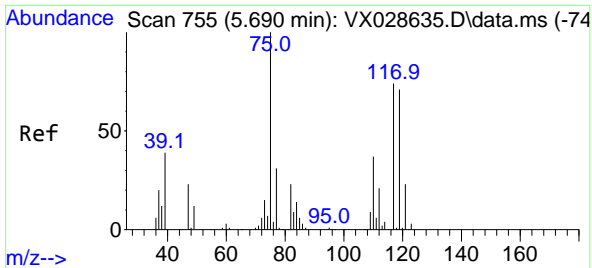


#35  
 Dibromofluoromethane  
 Concen: 49.207 ug/l  
 RT: 5.391 min Scan# 706  
 Delta R.T. 0.006 min  
 Lab File: VX028876.D  
 Acq: 21 May 2022 02:14



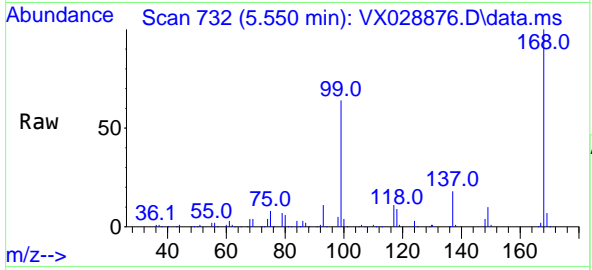
Tgt Ion:113 Resp: 175687  
 Ion Ratio Lower Upper  
 113 100  
 111 102.7 82.8 124.2  
 192 18.8 16.9 25.3



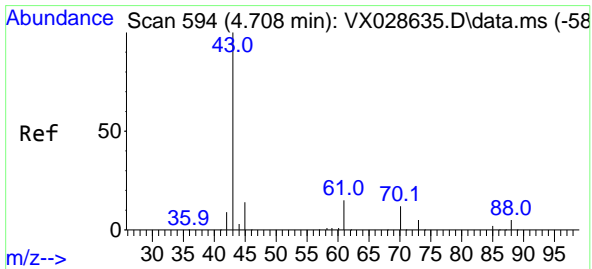
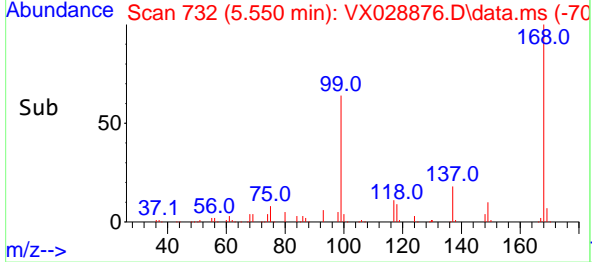
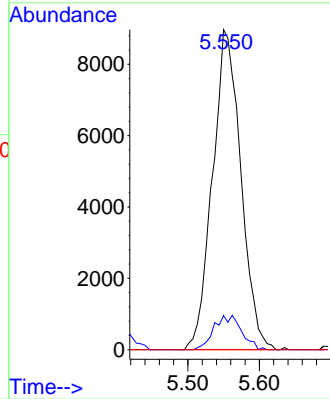


#36  
 1,1-Dichloropropene  
 Concen: 4.604 ug/l  
 RT: 5.550 min Scan# 71  
 Delta R.T. -0.140 min  
 Lab File: VX028876.D  
 Acq: 21 May 2022 02:14

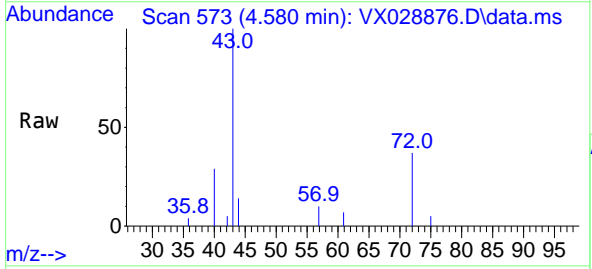
Instrument : MSVOA\_X  
 ClientSampleId : RB01-20220518



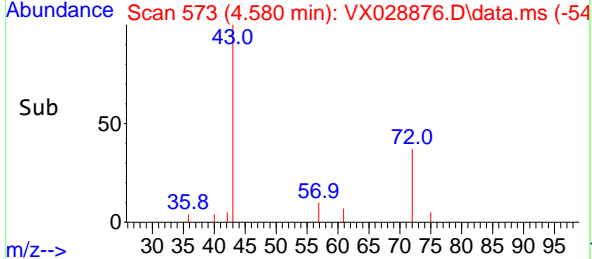
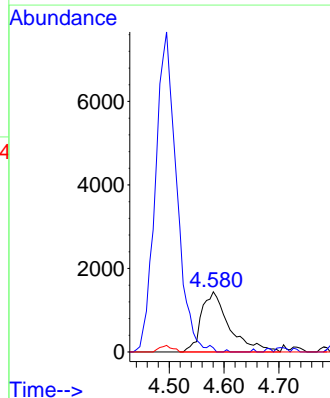
Tgt Ion: 75 Resp: 24688  
 Ion Ratio Lower Upper  
 75 100  
 110 10.4 18.3 54.8#  
 77 0.0 24.8 37.2#

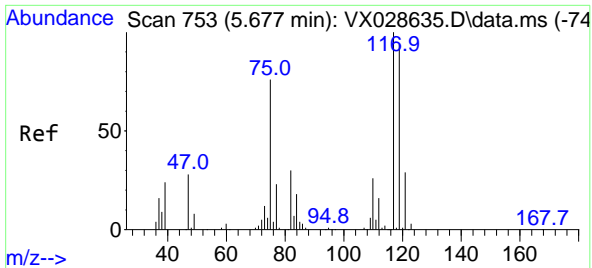


#37  
 Ethyl Acetate  
 Concen: 0.911 ug/l  
 RT: 4.580 min Scan# 573  
 Delta R.T. -0.128 min  
 Lab File: VX028876.D  
 Acq: 21 May 2022 02:14



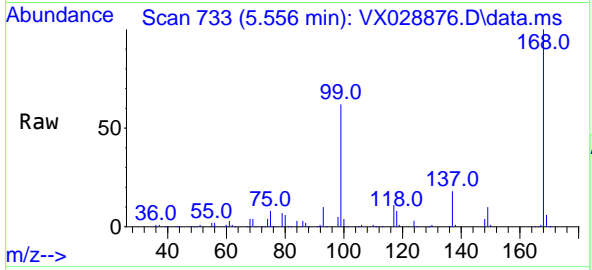
Tgt Ion: 43 Resp: 5103  
 Ion Ratio Lower Upper  
 43 100  
 61 0.0 12.6 19.0#  
 70 0.0 10.2 15.2#



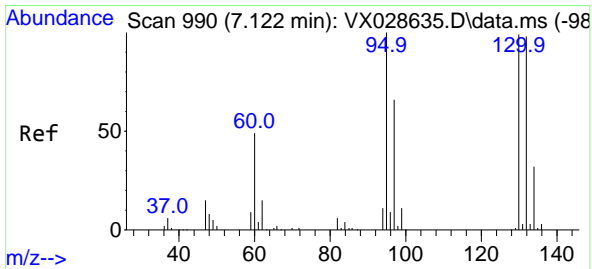
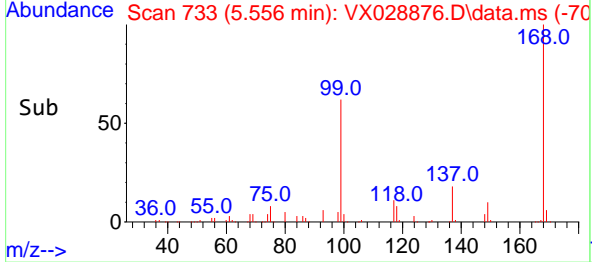
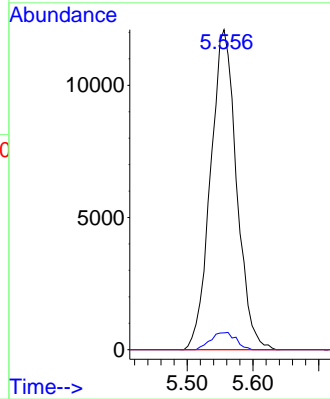


#38  
 Carbon Tetrachloride  
 Concen: 6.182 ug/l  
 RT: 5.556 min Scan# 711  
 Delta R.T. -0.121 min  
 Lab File: VX028876.D  
 Acq: 21 May 2022 02:14

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RB01-20220518

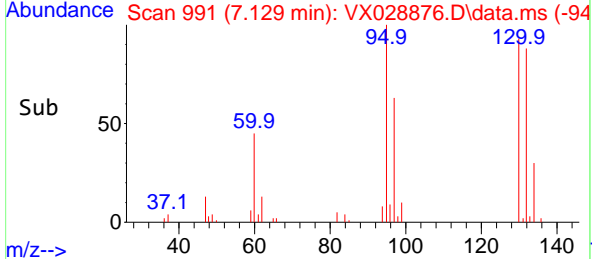
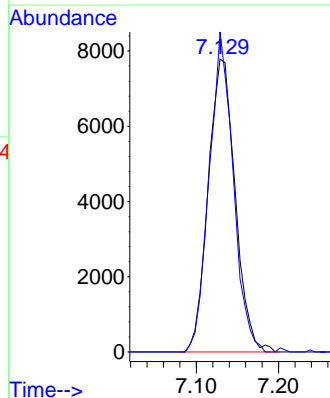
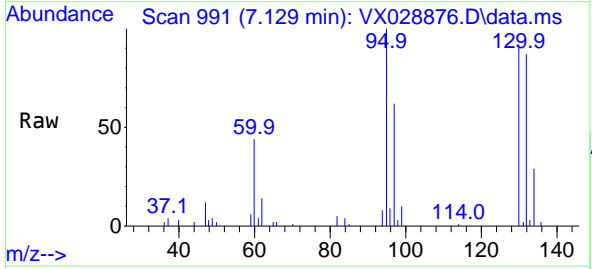


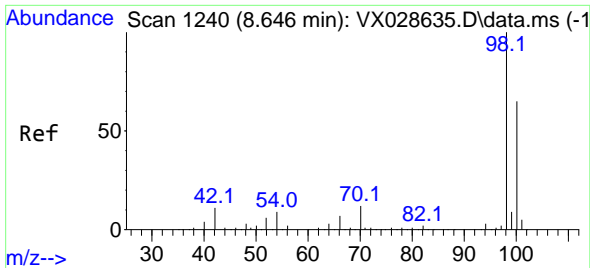
Tgt Ion:117 Resp: 33365  
 Ion Ratio Lower Upper  
 117 100  
 119 5.2 77.3 115.9#  
 121 0.0 24.2 36.2#



#44  
 Trichloroethene  
 Concen: 4.249 ug/l  
 RT: 7.129 min Scan# 991  
 Delta R.T. 0.007 min  
 Lab File: VX028876.D  
 Acq: 21 May 2022 02:14

Tgt Ion:130 Resp: 17760  
 Ion Ratio Lower Upper  
 130 100  
 95 109.2 0.0 188.8

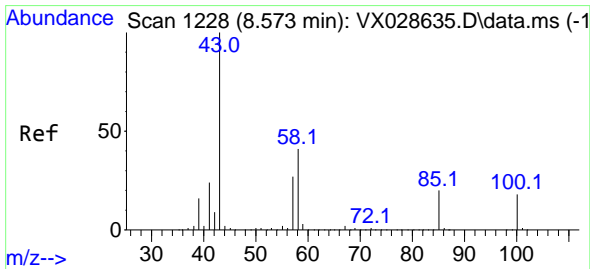
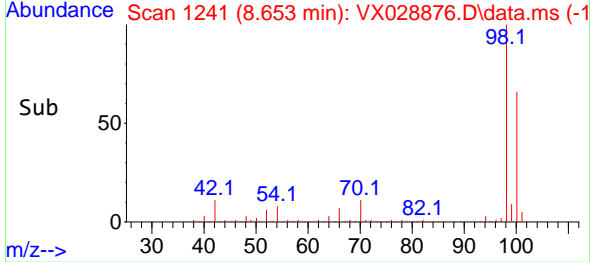
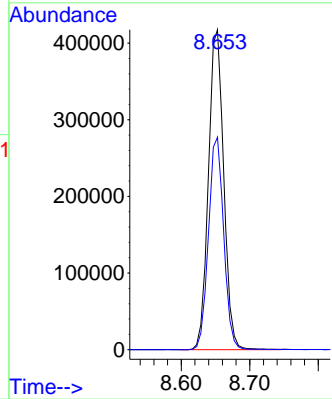
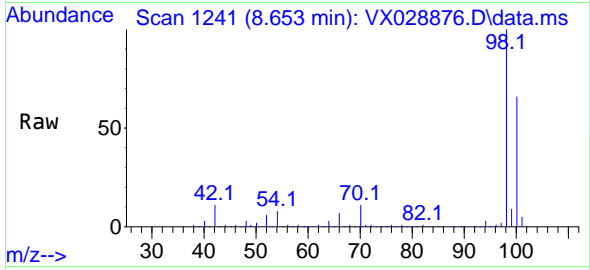




#50  
 Toluene-d8  
 Concen: 48.159 ug/l  
 RT: 8.653 min Scan# 11  
 Delta R.T. 0.007 min  
 Lab File: VX028876.D  
 Acq: 21 May 2022 02:14

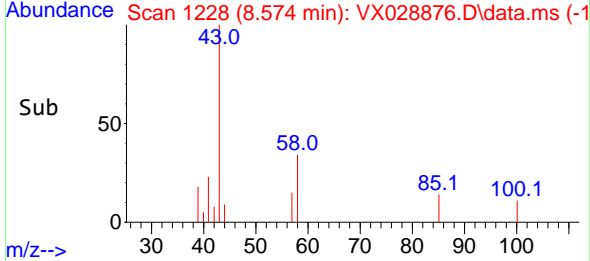
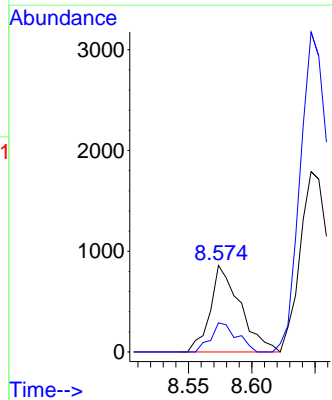
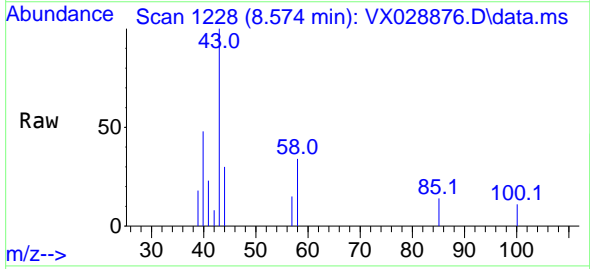
Instrument : MSVOA\_X  
 ClientSampleId : RB01-20220518

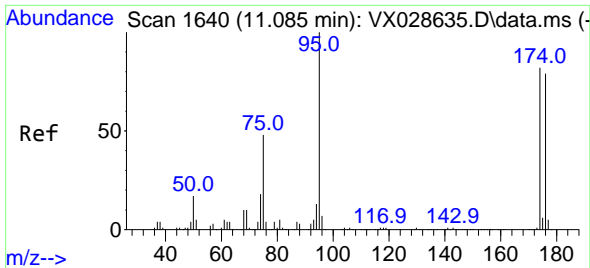
Tgt Ion: 98 Resp: 648271  
 Ion Ratio Lower Upper  
 98 100  
 100 66.3 52.6 78.8



#51  
 4-Methyl-2-Pentanone  
 Concen: 0.246 ug/l  
 RT: 8.574 min Scan# 1228  
 Delta R.T. 0.001 min  
 Lab File: VX028876.D  
 Acq: 21 May 2022 02:14

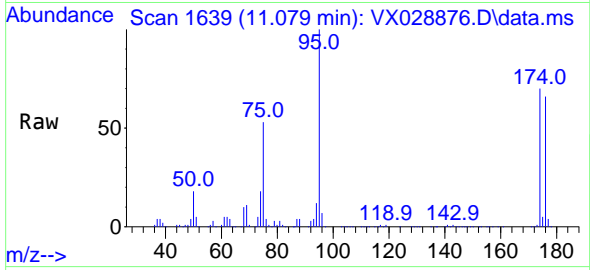
Tgt Ion: 43 Resp: 1418  
 Ion Ratio Lower Upper  
 43 100  
 58 29.3 36.1 54.1#



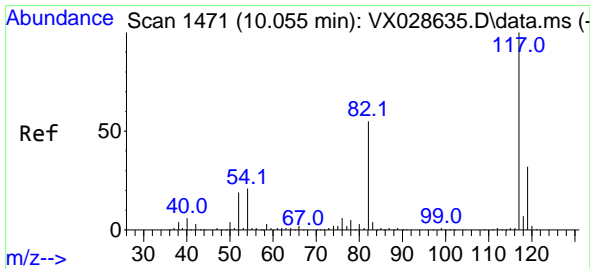
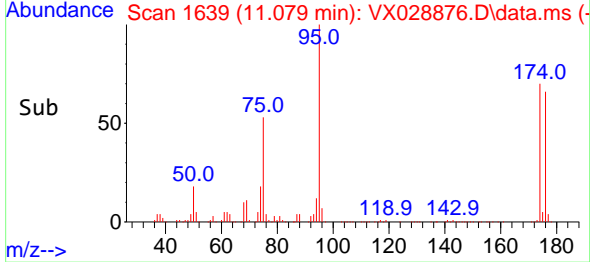
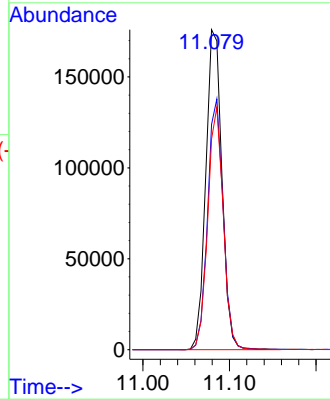


#62  
 4-Bromofluorobenzene  
 Concen: 45.269 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.006 min  
 Lab File: VX028876.D  
 Acq: 21 May 2022 02:14

Instrument : MSVOA\_X  
 ClientSampleId : RB01-20220518

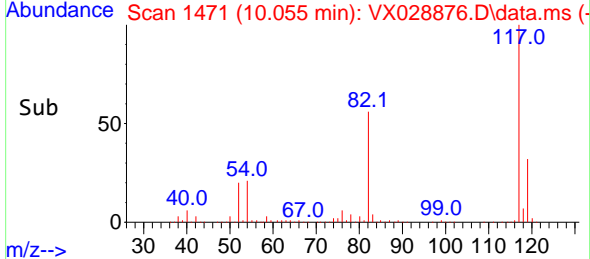
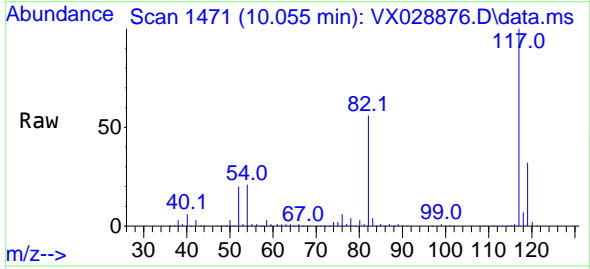
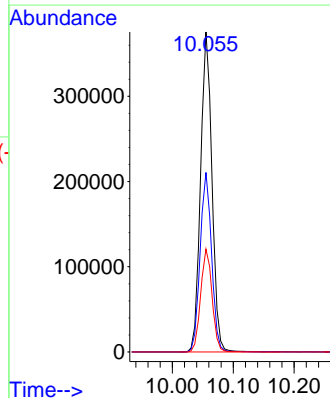


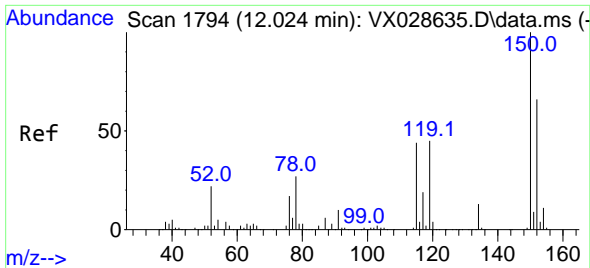
Tgt Ion: 95 Resp: 227605  
 Ion Ratio Lower Upper  
 95 100  
 174 75.8 0.0 163.0  
 176 72.8 0.0 155.0



#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 10.055 min Scan# 1471  
 Delta R.T. 0.000 min  
 Lab File: VX028876.D  
 Acq: 21 May 2022 02:14

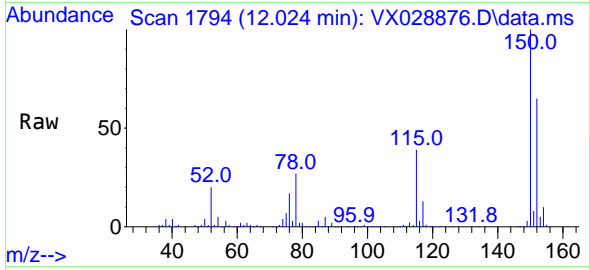
Tgt Ion: 117 Resp: 486841  
 Ion Ratio Lower Upper  
 117 100  
 82 56.1 41.8 62.8  
 119 32.2 24.8 37.2



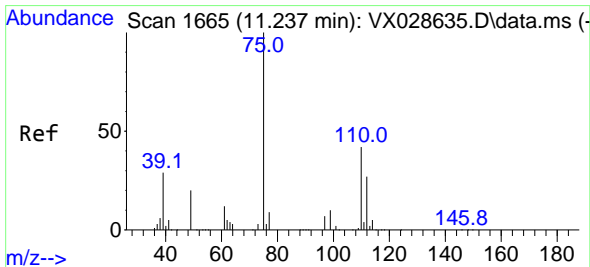
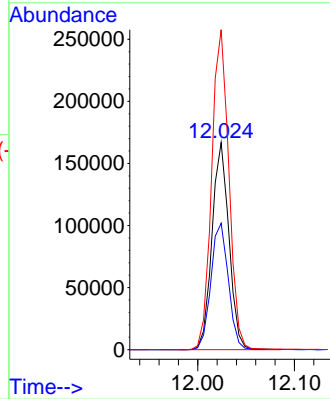
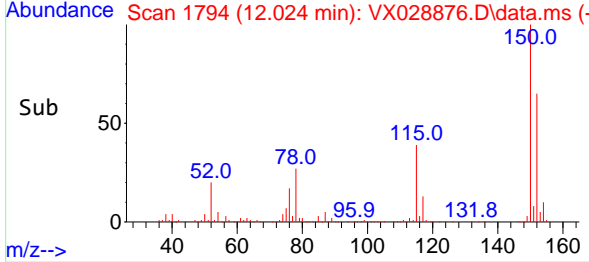


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX028876.D  
 Acq: 21 May 2022 02:14

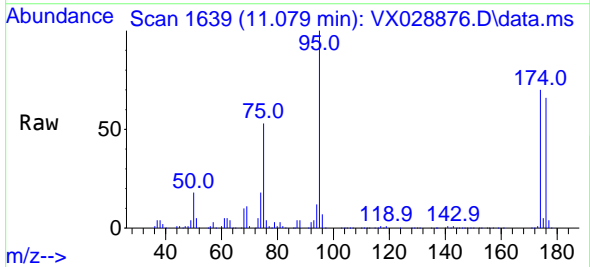
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RB01-20220518



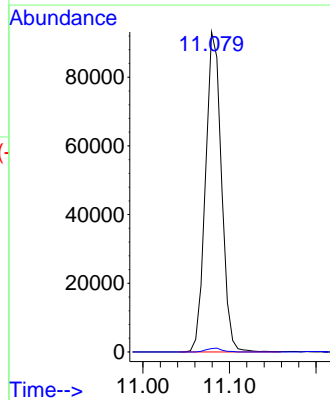
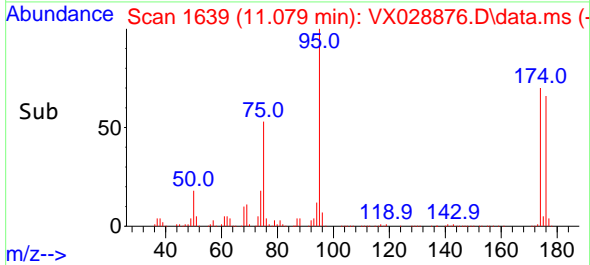
Tgt Ion:152 Resp: 203346  
 Ion Ratio Lower Upper  
 152 100  
 115 63.0 37.5 112.7  
 150 157.4 0.0 338.2

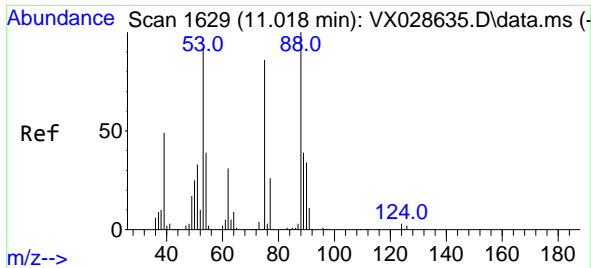


#76  
 1,2,3-Trichloropropane  
 Concen: 25.035 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.158 min  
 Lab File: VX028876.D  
 Acq: 21 May 2022 02:14



Tgt Ion: 75 Resp: 119220  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 19.4 58.2#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 72.774 ug/l  
 RT: 11.079 min Scan# 10  
 Delta R.T. 0.061 min  
 Lab File: VX028876.D  
 Acq: 21 May 2022 02:14

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RB01-20220518

Tgt Ion: 75 Resp: 119220

Ion	Ratio	Lower	Upper
75	100		
53	0.0	69.0	103.4#
89	0.0	37.0	55.6#

