

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121421\  
 Data File : VX025778.D  
 Acq On : 14 Dec 2021 15:46  
 Operator : JC/MD  
 Sample : M5031-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Dec 15 07:05:03 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121321W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 14 07:02:11 2021  
 Response via : Initial Calibration

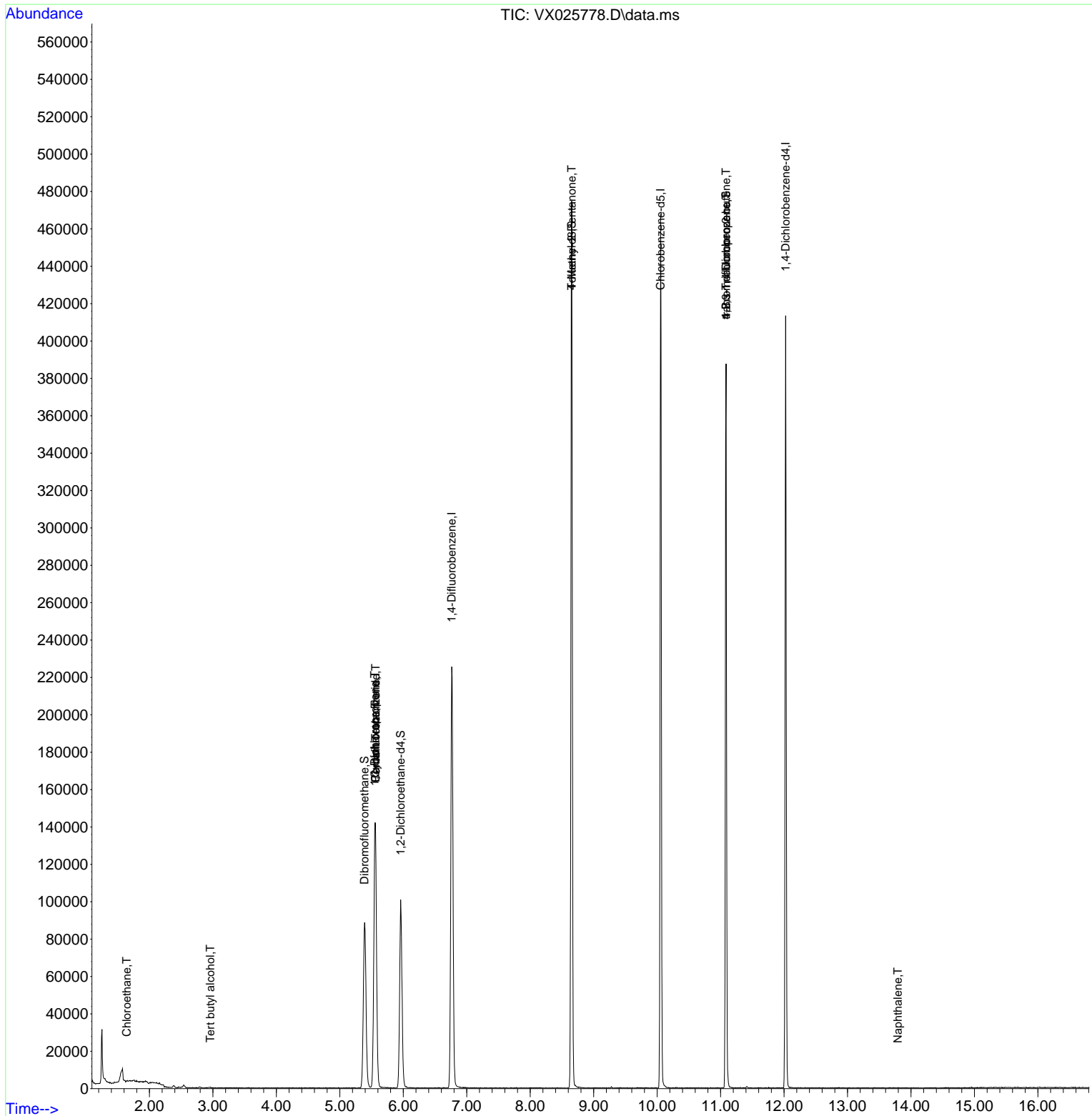
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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Internal Standards						
1) Pentafluorobenzene	5.562	168	135636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	234230	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	206438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	92290	47.290	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.580%
35) Dibromofluoromethane	5.385	113	76881	47.064	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.120%
50) Toluene-d8	8.653	98	274957	46.197	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.400%
62) 4-Bromofluorobenzene	11.085	95	101680	44.973	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.940%
Target Compounds						
					Qvalue	
6) Chloroethane	1.642	64	380	0.312	ug/l #	56
11) Tert butyl alcohol	2.959	59	197	0.503	ug/l #	73
16) Acetone	2.386	43	1133	Below Cal		91
20) Methylene Chloride	2.788	84	139	Below Cal	#	71
31) Cyclohexane	5.556	56	2937	1.238	ug/l #	15
36) 1,1-Dichloropropene	5.550	75	10933	4.935	ug/l #	50
38) Carbon Tetrachloride	5.562	117	14443	5.603	ug/l #	14
51) 4-Methyl-2-Pentanone	8.653	43	1217	0.469	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	52069	27.055	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	52069	83.879	ug/l #	10
95) Naphthalene	13.792	128	54	2.420	ug/l #	69
-----						

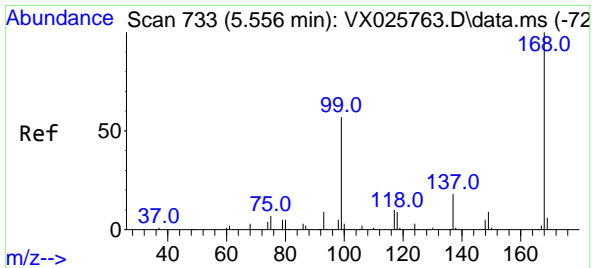
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 MSVOA\_X  
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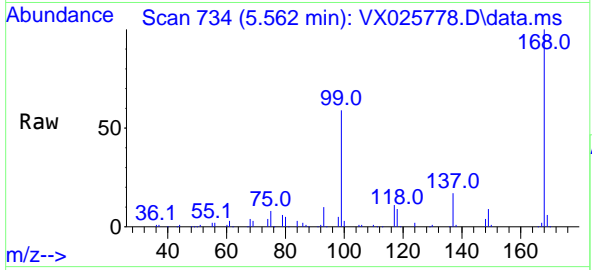
Quant Time: Dec 15 07:05:03 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121321W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 14 07:02:11 2021  
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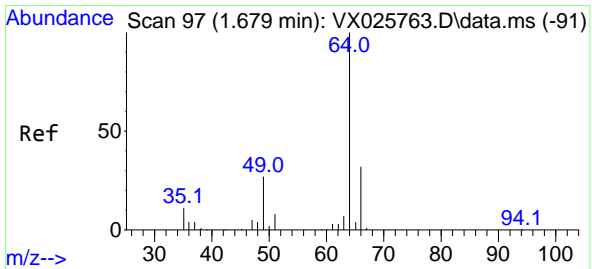
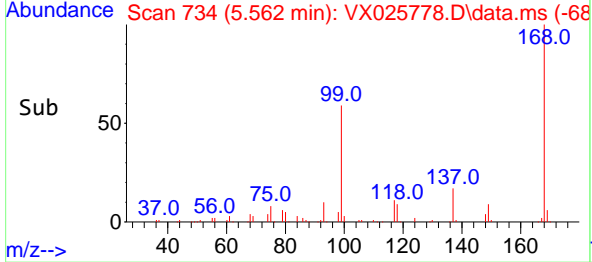
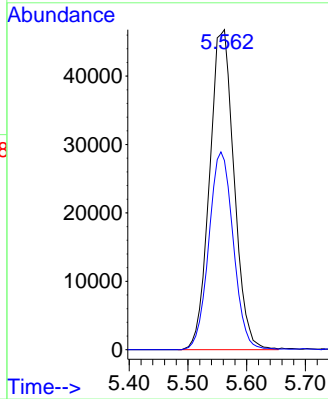


#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.562 min Scan# 71  
 Delta R.T. 0.006 min  
 Lab File: VX025778.D  
 Acq: 14 Dec 2021 15:46

Instrument :  
 MSVOA\_X  
 ClientSampleId :

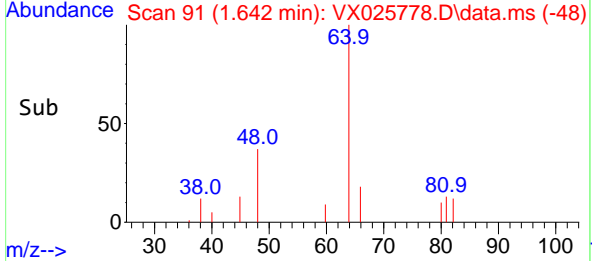
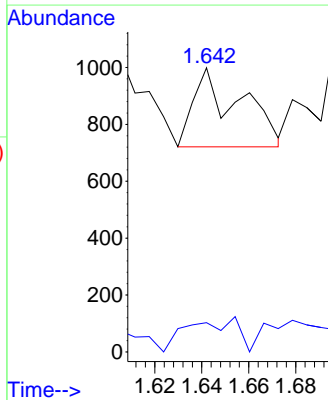
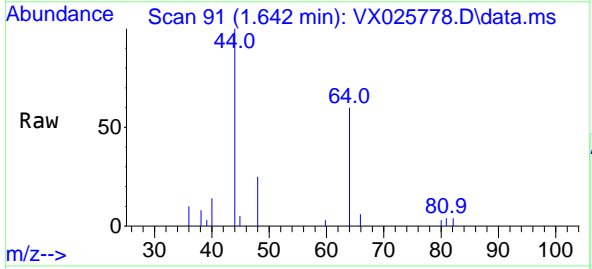


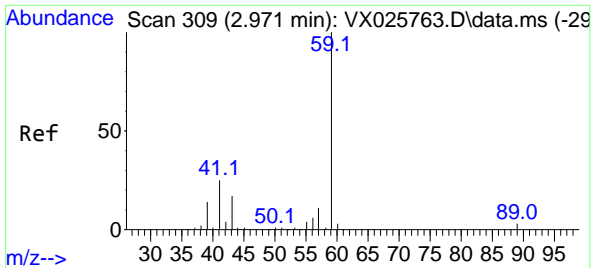
Tgt Ion:168 Resp: 135636  
 Ion Ratio Lower Upper  
 168 100  
 99 59.1 45.8 68.8



#6  
 Chloroethane  
 Concen: 0.312 ug/l  
 RT: 1.642 min Scan# 91  
 Delta R.T. -0.037 min  
 Lab File: VX025778.D  
 Acq: 14 Dec 2021 15:46

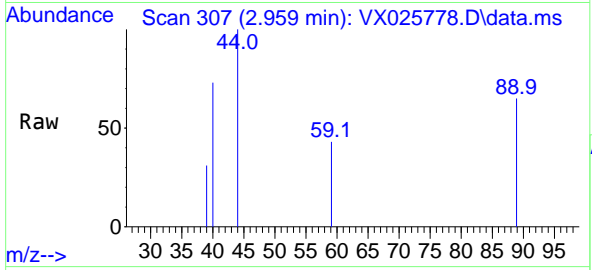
Tgt Ion: 64 Resp: 380  
 Ion Ratio Lower Upper  
 64 100  
 66 7.6 25.9 38.9#



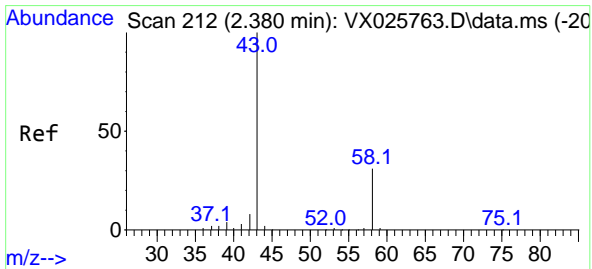
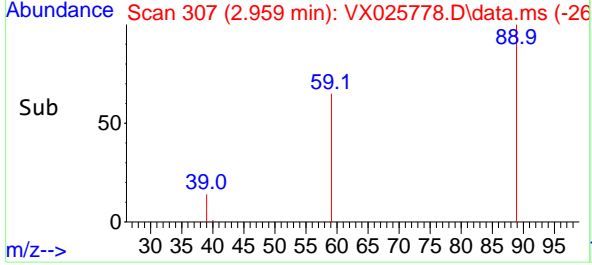
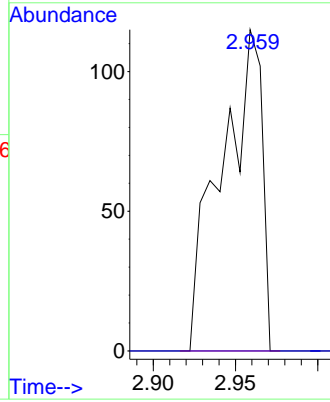


#11  
 Tert butyl alcohol  
 Concen: 0.503 ug/l  
 RT: 2.959 min Scan# 307  
 Delta R.T. -0.012 min  
 Lab File: VX025778.D  
 Acq: 14 Dec 2021 15:46

Instrument : MSVOA\_X  
 ClientSampleId :

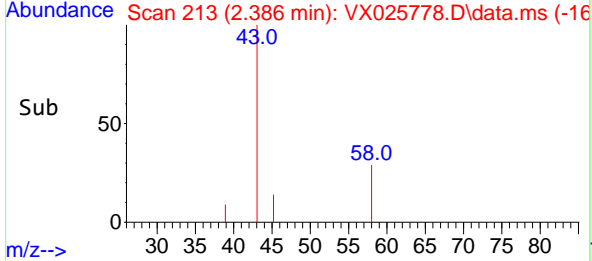
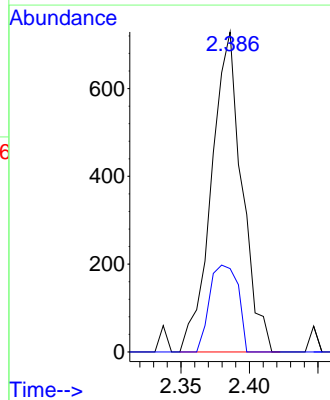
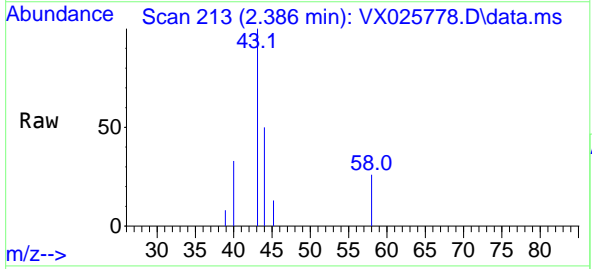


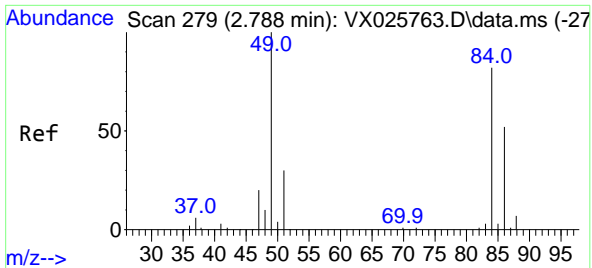
Tgt Ion: 59 Resp: 197  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 8.2 12.2#



#16  
 Acetone  
 Concen: Below Cal  
 RT: 2.386 min Scan# 213  
 Delta R.T. 0.006 min  
 Lab File: VX025778.D  
 Acq: 14 Dec 2021 15:46

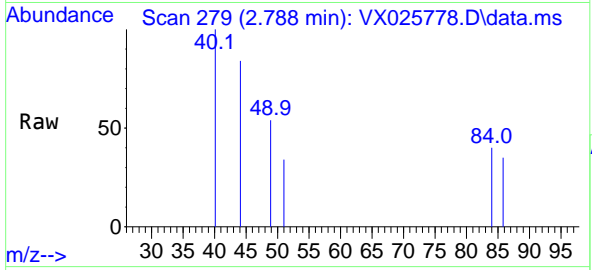
Tgt Ion: 43 Resp: 1133  
 Ion Ratio Lower Upper  
 43 100  
 58 26.1 24.8 37.2





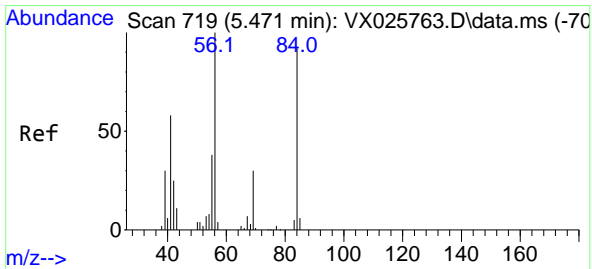
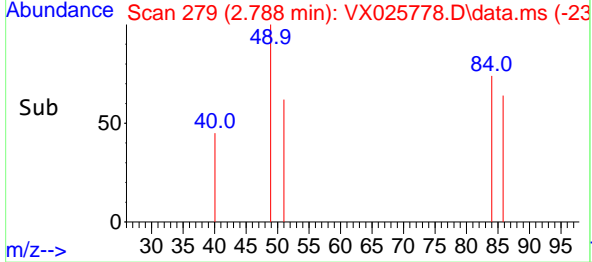
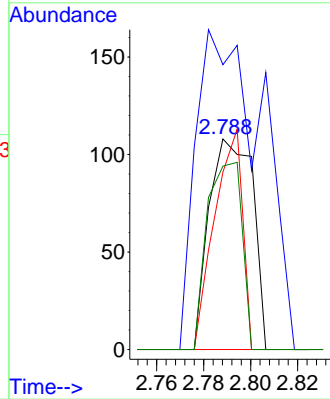
#20  
 Methylene Chloride  
 Concen: Below Cal  
 RT: 2.788 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VX025778.D  
 Acq: 14 Dec 2021 15:46

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 84 Resp: 139

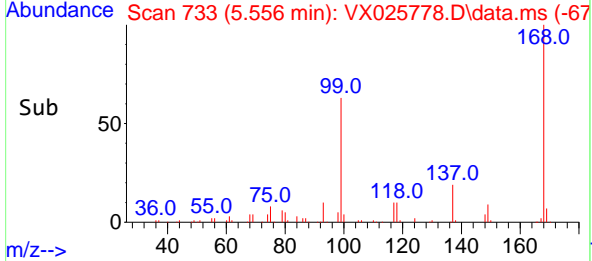
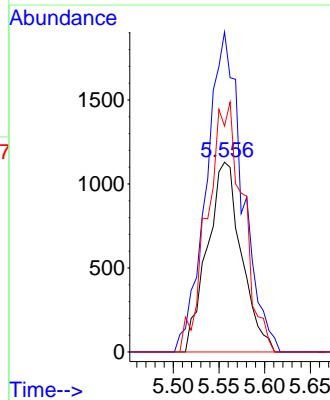
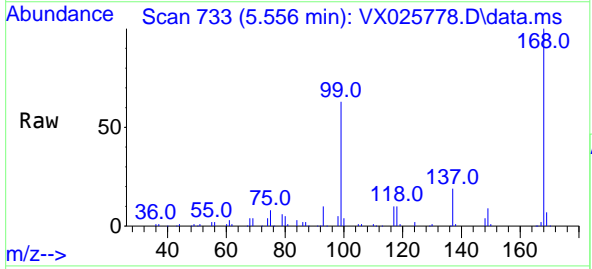
Ion	Ratio	Lower	Upper
84	100		
49	135.2	97.1	145.7
51	84.3	29.3	43.9#
86	87.0	50.8	76.2#

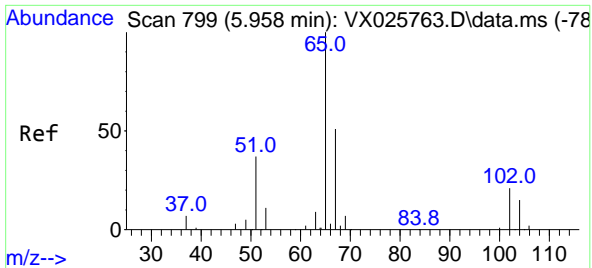


#31  
 Cyclohexane  
 Concen: 1.238 ug/l  
 RT: 5.556 min Scan# 733  
 Delta R.T. 0.085 min  
 Lab File: VX025778.D  
 Acq: 14 Dec 2021 15:46

Tgt Ion: 56 Resp: 2937

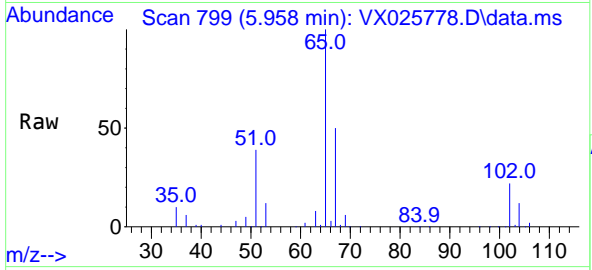
Ion	Ratio	Lower	Upper
56	100		
69	168.6	23.9	35.9#
84	119.0	73.2	109.8#



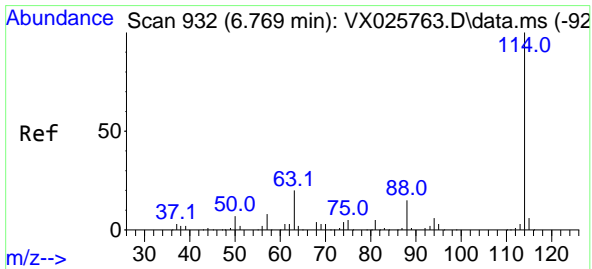
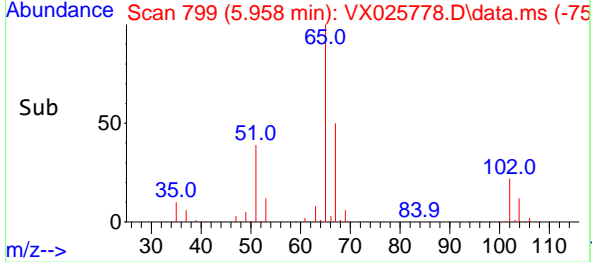
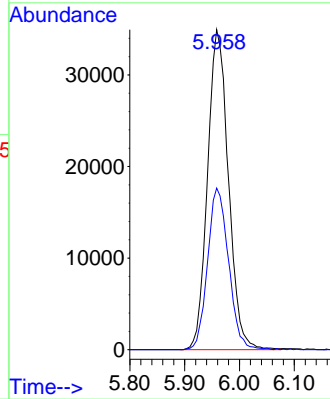


#33  
 1,2-Dichloroethane-d4  
 Concen: 47.290 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. -0.000 min  
 Lab File: VX025778.D  
 Acq: 14 Dec 2021 15:46

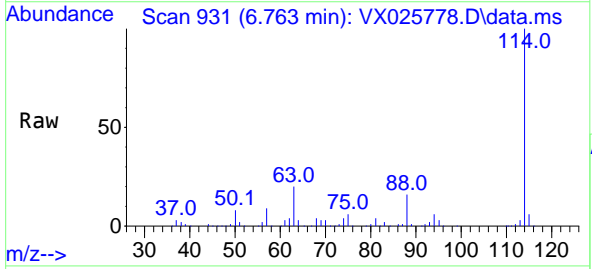
Instrument : MSVOA\_X  
 ClientSampleId :



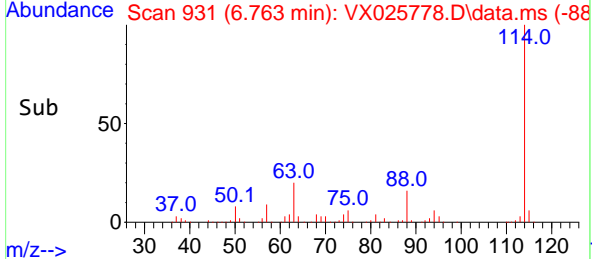
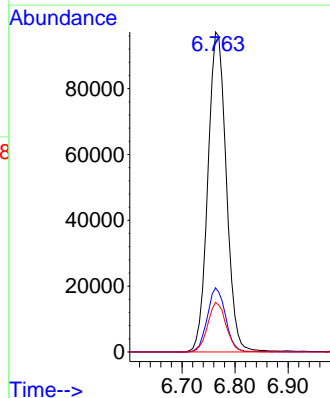
Tgt Ion: 65 Resp: 92290  
 Ion Ratio Lower Upper  
 65 100  
 67 50.7 0.0 103.4

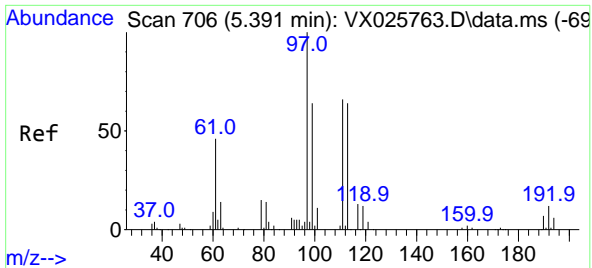


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. -0.006 min  
 Lab File: VX025778.D  
 Acq: 14 Dec 2021 15:46



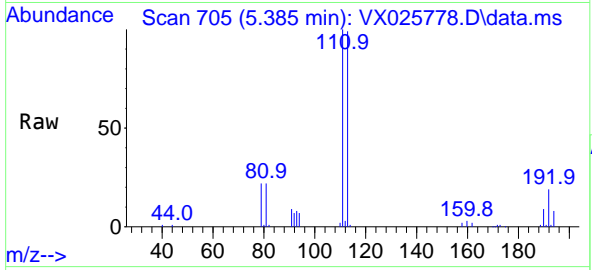
Tgt Ion: 114 Resp: 234230  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 0.0 40.0  
 88 15.5 0.0 30.6



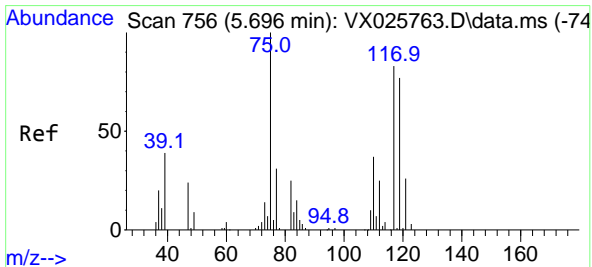
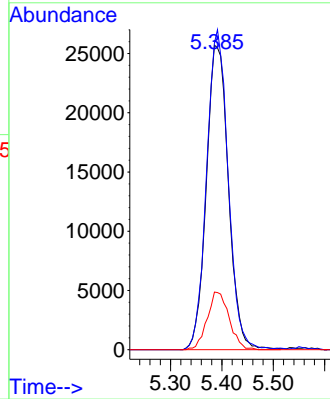
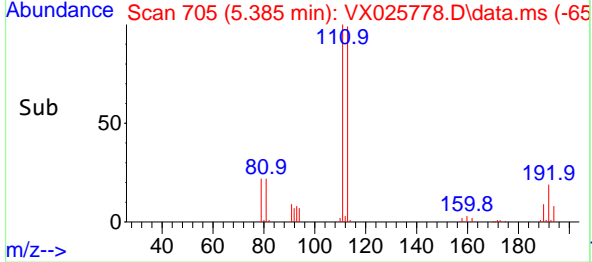


#35  
 Dibromofluoromethane  
 Concen: 47.064 ug/l  
 RT: 5.385 min Scan# 706  
 Delta R.T. -0.006 min  
 Lab File: VX025778.D  
 Acq: 14 Dec 2021 15:46

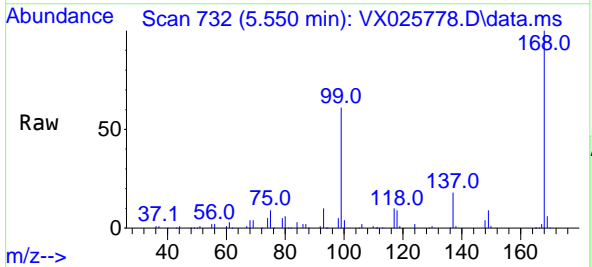
Instrument : MSVOA\_X  
 ClientSampleId :



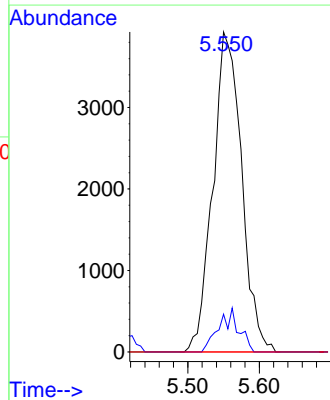
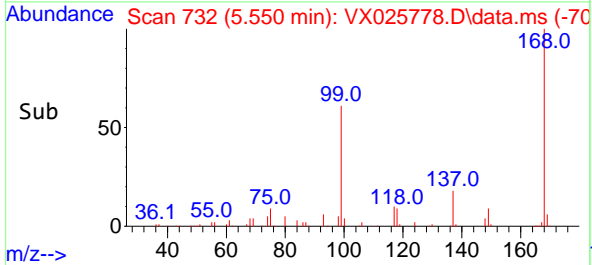
Tgt Ion:113 Resp: 76881  
 Ion Ratio Lower Upper  
 113 100  
 111 102.5 81.8 122.8  
 192 18.8 15.0 22.4

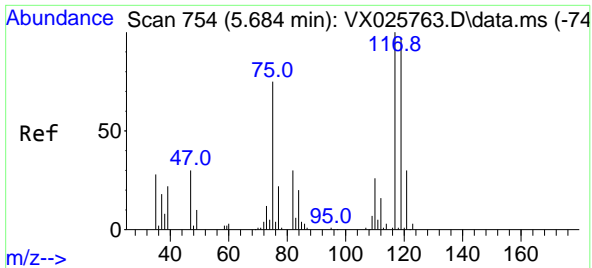


#36  
 1,1-Dichloropropene  
 Concen: 4.935 ug/l  
 RT: 5.550 min Scan# 732  
 Delta R.T. -0.146 min  
 Lab File: VX025778.D  
 Acq: 14 Dec 2021 15:46



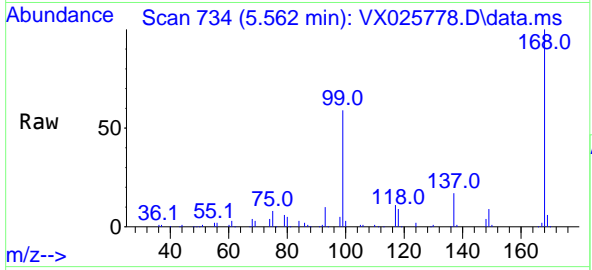
Tgt Ion: 75 Resp: 10933  
 Ion Ratio Lower Upper  
 75 100  
 110 9.6 18.2 54.6#  
 77 0.0 24.7 37.1#





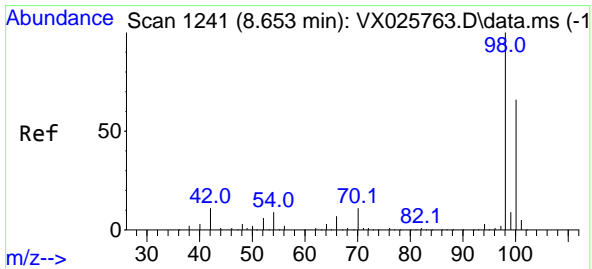
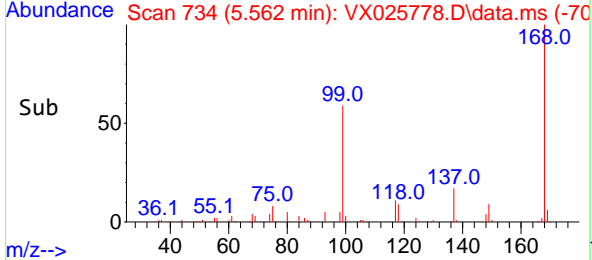
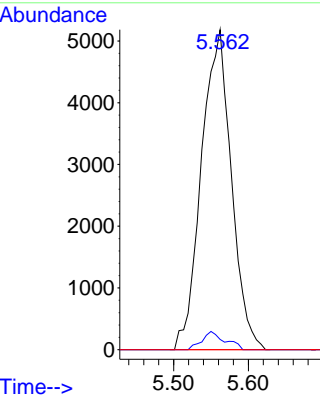
#38  
 Carbon Tetrachloride  
 Concen: 5.603 ug/l  
 RT: 5.562 min Scan# 71  
 Delta R.T. -0.122 min  
 Lab File: VX025778.D  
 Acq: 14 Dec 2021 15:46

Instrument : MSVOA\_X  
 ClientSampleId :



Tgt Ion: 117 Resp: 14443

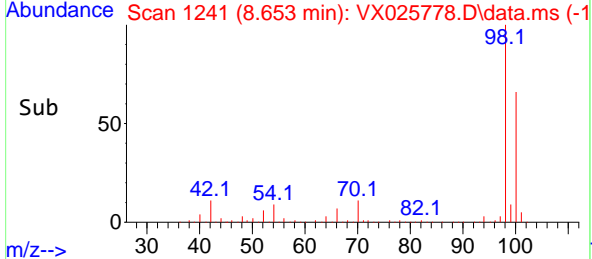
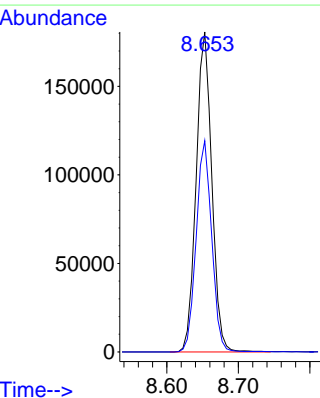
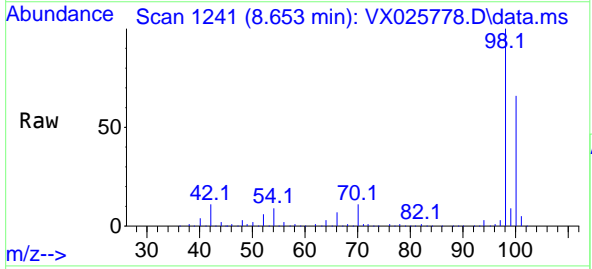
Ion	Ratio	Lower	Upper
117	100		
119	3.2	77.2	115.8#
121	0.0	23.8	35.8#



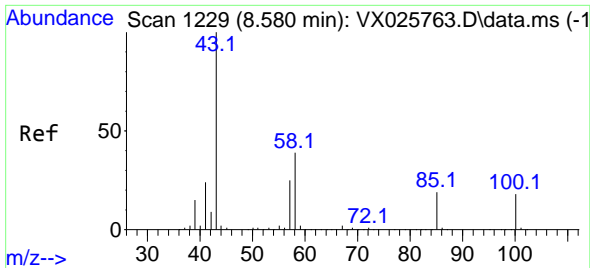
#50  
 Toluene-d8  
 Concen: 46.197 ug/l  
 RT: 8.653 min Scan# 1241  
 Delta R.T. -0.000 min  
 Lab File: VX025778.D  
 Acq: 14 Dec 2021 15:46

Tgt Ion: 98 Resp: 274957

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.6	78.8



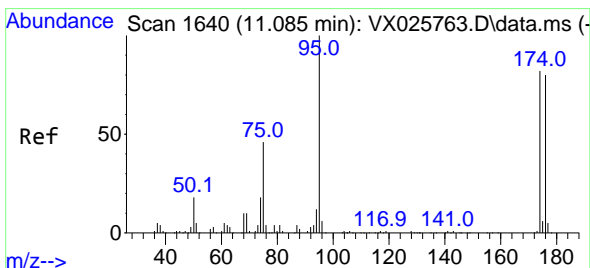
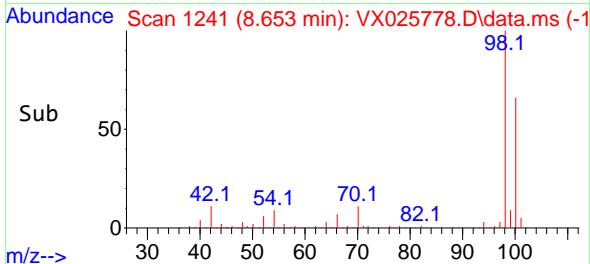
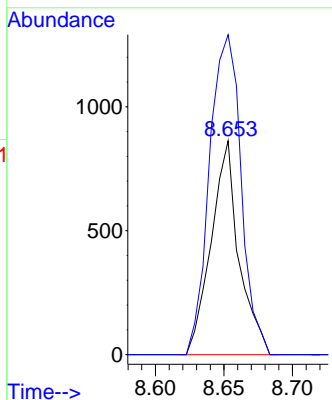
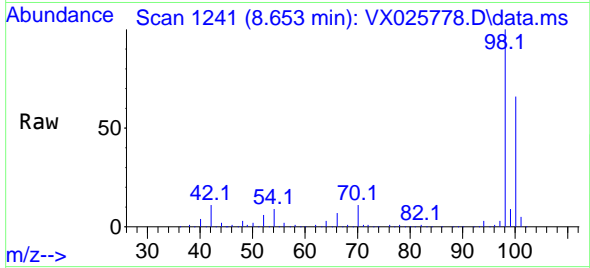




#51  
 4-Methyl-2-Pentanone  
 Concen: 0.469 ug/l  
 RT: 8.653 min Scan# 11  
 Delta R.T. 0.073 min  
 Lab File: VX025778.D  
 Acq: 14 Dec 2021 15:46

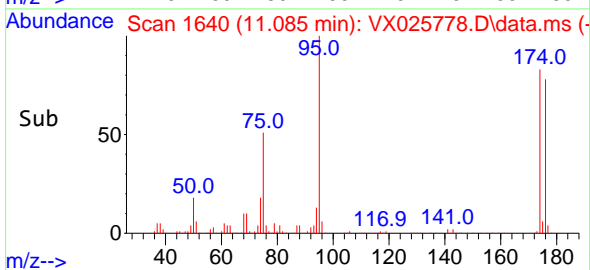
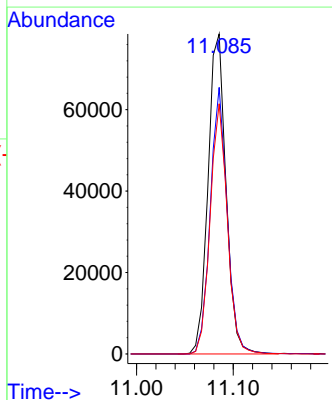
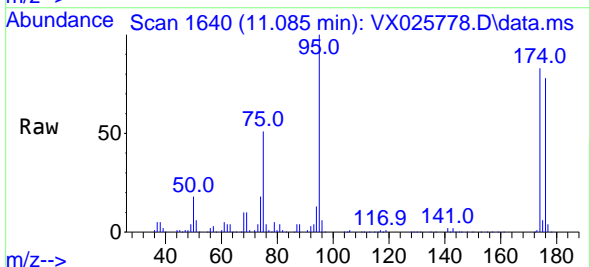
Instrument :  
 MSVOA\_X  
 ClientSampleId :

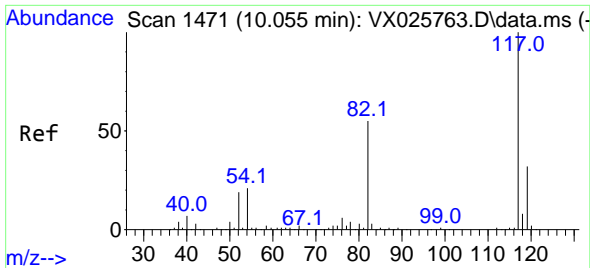
Tgt Ion: 43 Resp: 1217  
 Ion Ratio Lower Upper  
 43 100  
 58 170.3 30.8 46.2#



#62  
 4-Bromofluorobenzene  
 Concen: 44.973 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. -0.000 min  
 Lab File: VX025778.D  
 Acq: 14 Dec 2021 15:46

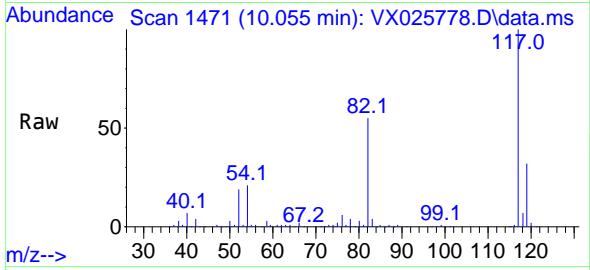
Tgt Ion: 95 Resp: 101680  
 Ion Ratio Lower Upper  
 95 100  
 174 78.4 0.0 157.4  
 176 74.7 0.0 154.6



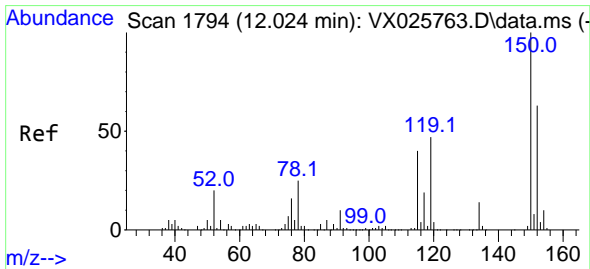
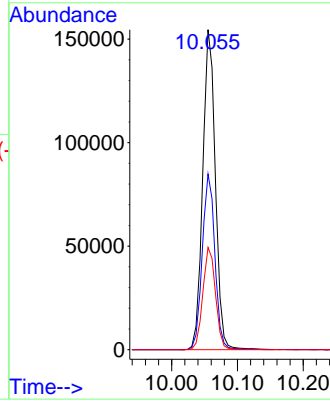
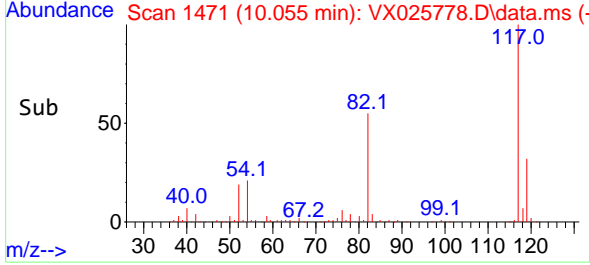


#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 10.055 min Scan# 1471  
 Delta R.T. -0.000 min  
 Lab File: VX025778.D  
 Acq: 14 Dec 2021 15:46

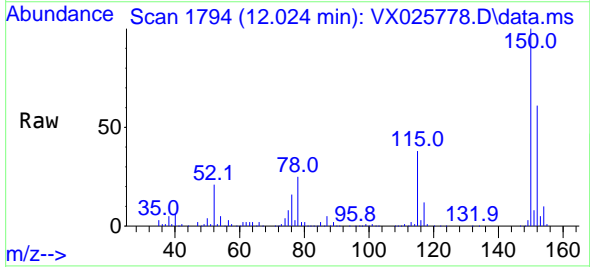
Instrument : MSVOA\_X  
 ClientSampleId :



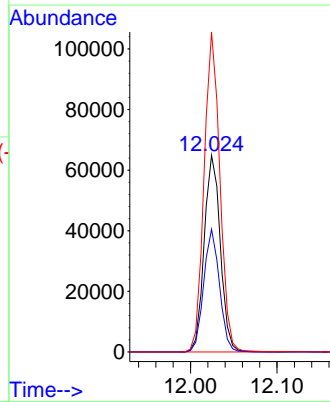
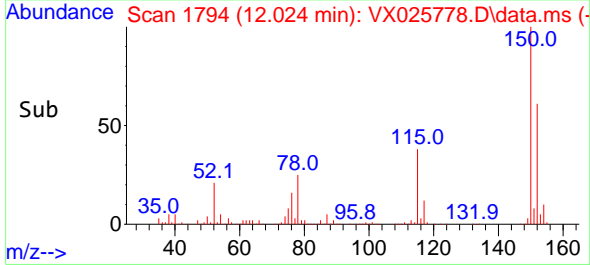
Tgt Ion:117 Resp: 206438  
 Ion Ratio Lower Upper  
 117 100  
 82 54.9 43.8 65.6  
 119 32.0 25.2 37.8

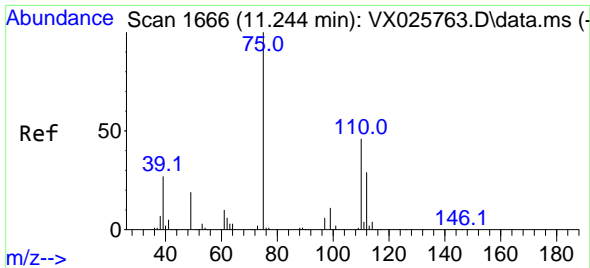


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1794  
 Delta R.T. -0.000 min  
 Lab File: VX025778.D  
 Acq: 14 Dec 2021 15:46



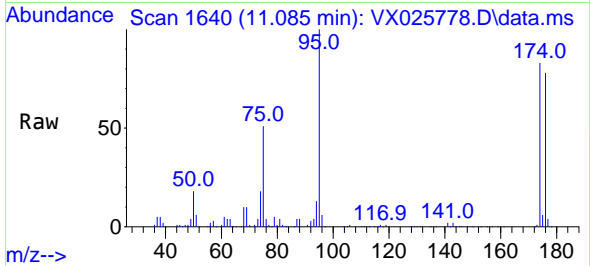
Tgt Ion:152 Resp: 83998  
 Ion Ratio Lower Upper  
 152 100  
 115 61.0 41.3 123.9  
 150 159.3 0.0 351.8



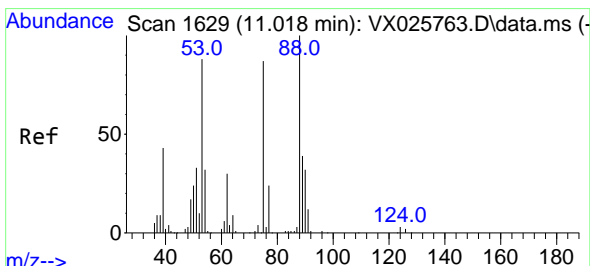
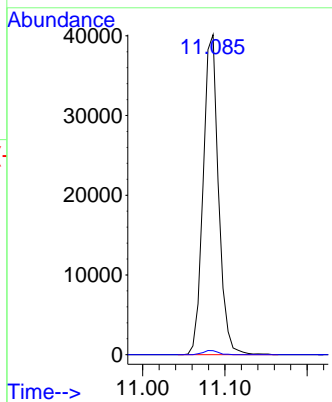
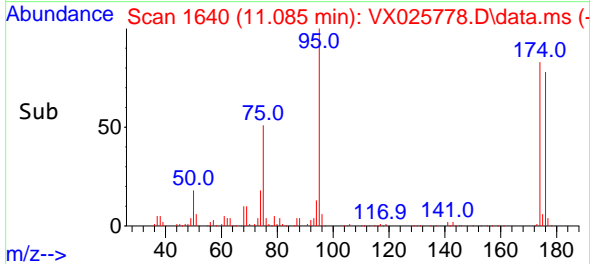


#76  
 1,2,3-Trichloropropane  
 Concen: 27.055 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. -0.159 min  
 Lab File: VX025778.D  
 Acq: 14 Dec 2021 15:46

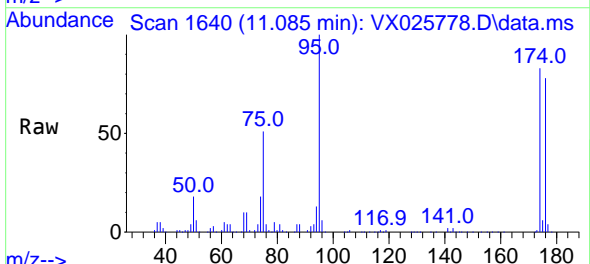
Instrument : MSVOA\_X  
 ClientSampleId :



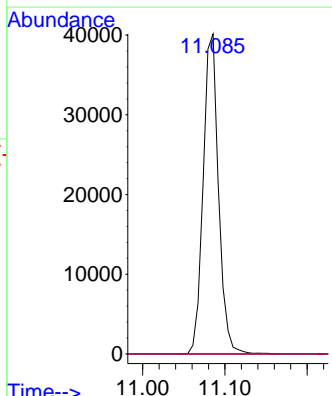
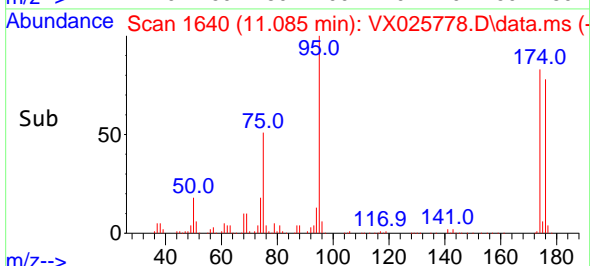
Tgt Ion: 75 Resp: 52069  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 19.0 57.0#

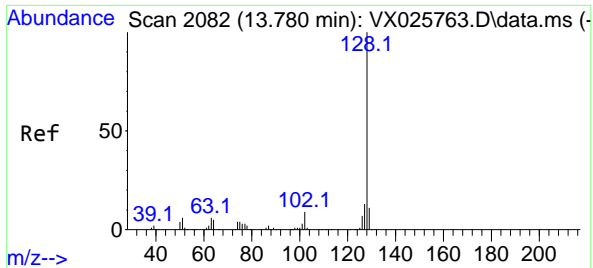


#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 83.879 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. 0.067 min  
 Lab File: VX025778.D  
 Acq: 14 Dec 2021 15:46



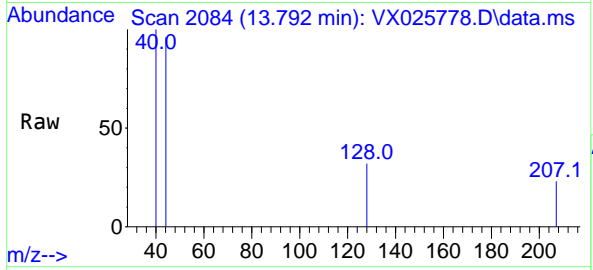
Tgt Ion: 75 Resp: 52069  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 79.5 119.3#  
 89 0.0 38.3 57.5#





#95  
 Naphthalene  
 Concen: 2.420 ug/l  
 RT: 13.792 min Scan# 2084  
 Delta R.T. 0.012 min  
 Lab File: VX025778.D  
 Acq: 14 Dec 2021 15:46

Instrument : MSVOA\_X  
 ClientSampleId :



Tgt Ion:128 Resp: 54

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

