

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101922\  
 Data File : VX032231.D  
 Acq On : 20 Oct 2022 01:05  
 Operator : JC/MD  
 Sample : N5164-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 588A-2

Quant Time: Oct 20 05:23:40 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X101922W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 19 16:51:09 2022  
 Response via : Initial Calibration

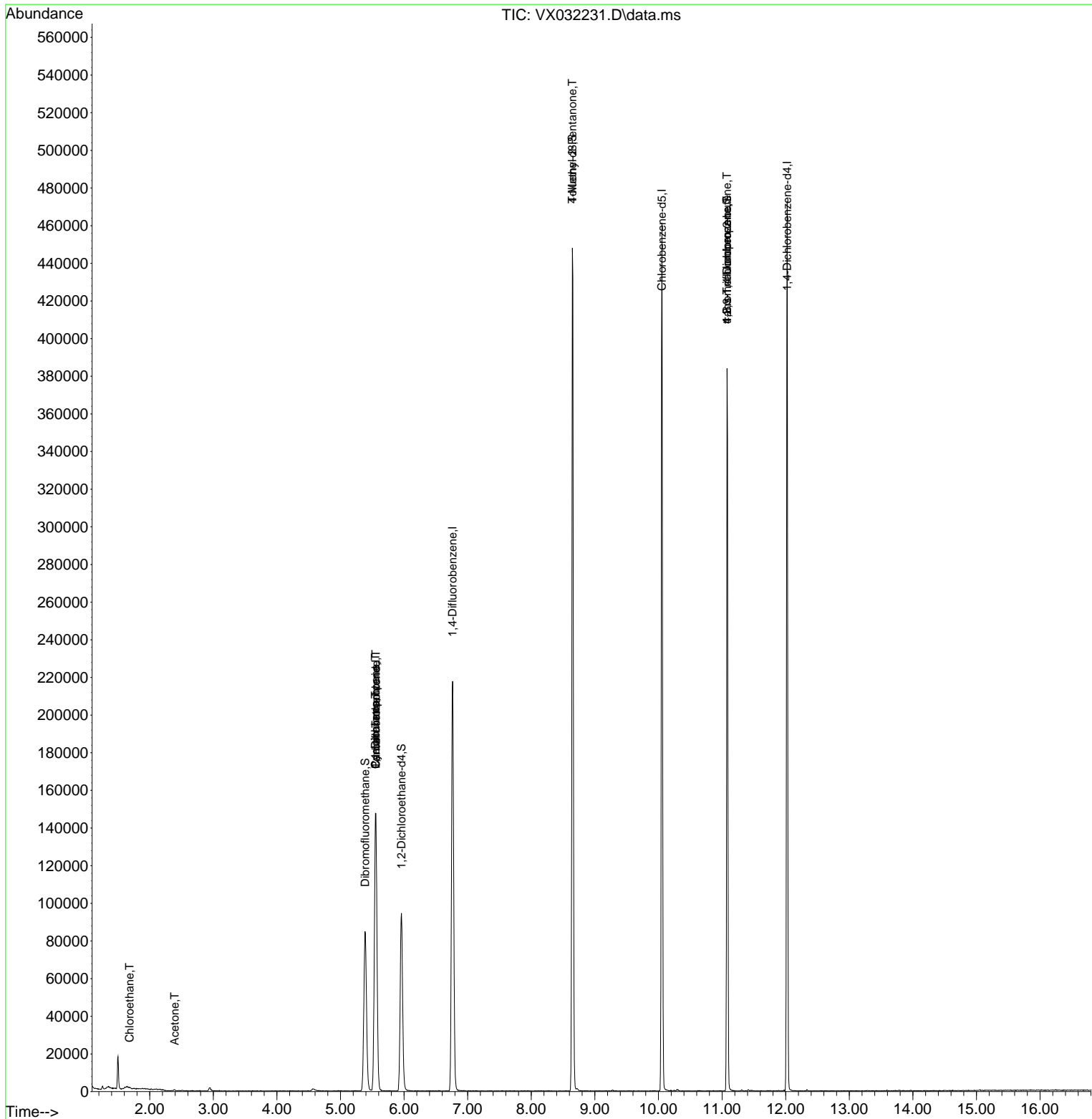
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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Internal Standards						
1) Pentafluorobenzene	5.556	168	140034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	224799	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196840	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	95004	52.151	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	104.300%
35) Dibromofluoromethane	5.385	113	72466	46.325	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.640%
50) Toluene-d8	8.647	98	265342	47.122	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.240%
62) 4-Bromofluorobenzene	11.079	95	96049	46.581	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.160%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	180	Below Cal	#	67
6) Chloroethane	1.685	64	108	2.028	ug/l #	41
11) Tert butyl alcohol	2.953	59	1516	Below Cal	#	74
16) Acetone	2.392	43	684	1.157	ug/l	92
31) Cyclohexane	5.550	56	3191	1.532	ug/l #	13
36) 1,1-Dichloropropene	5.550	75	11239	5.585	ug/l #	50
38) Carbon Tetrachloride	5.556	117	14569	6.858	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	1118	0.577	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	52831	28.240	ug/l #	45
81) trans-1,4-Dichloro-2-b...	11.079	75	52831	86.582	ug/l #	6
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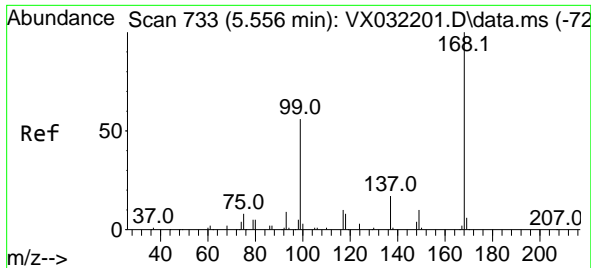
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 588A-2

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X101922W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 19 16:51:09 2022  
 Response via : Initial Calibration

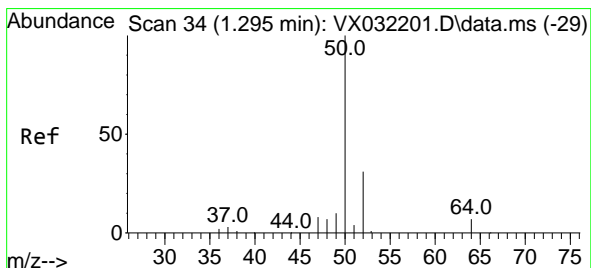
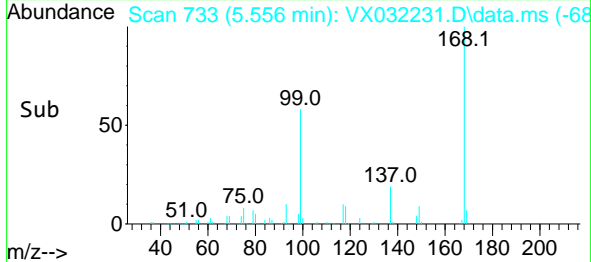
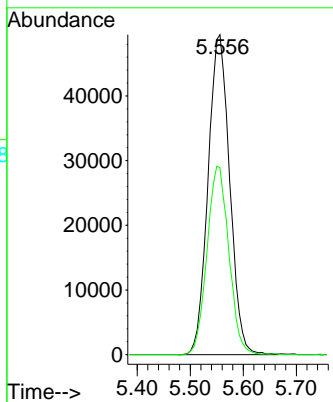
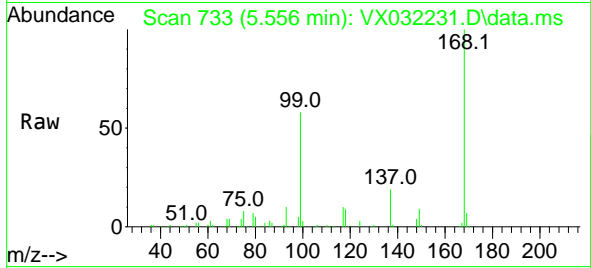




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.556 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: VX032231.D  
 Acq: 20 Oct 2022 01:05

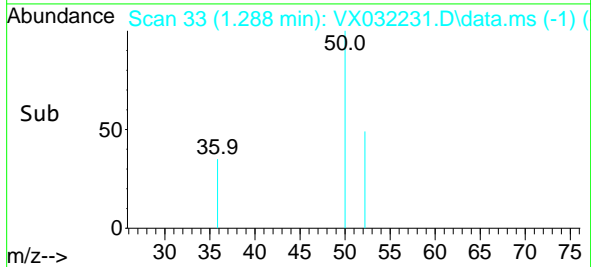
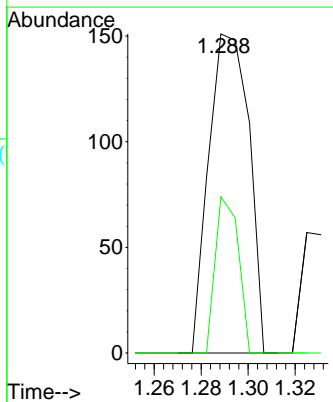
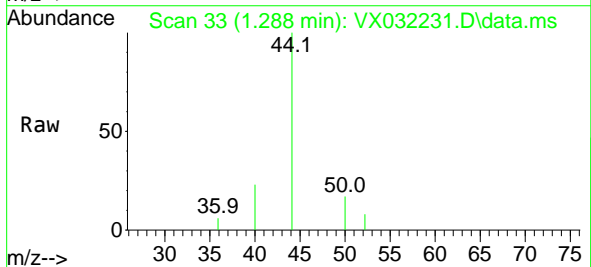
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 588A-2

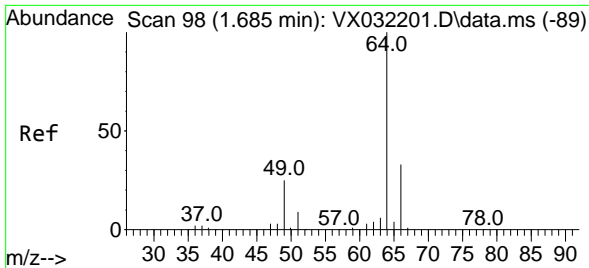
Tgt Ion:168 Resp: 140034  
 Ion Ratio Lower Upper  
 168 100  
 99 58.4 44.8 67.2



#3  
 Chloromethane  
 Concen: Below Cal  
 RT: 1.288 min Scan# 33  
 Delta R.T. -0.007 min  
 Lab File: VX032231.D  
 Acq: 20 Oct 2022 01:05

Tgt Ion: 50 Resp: 180  
 Ion Ratio Lower Upper  
 50 100  
 52 49.0 24.7 37.1#

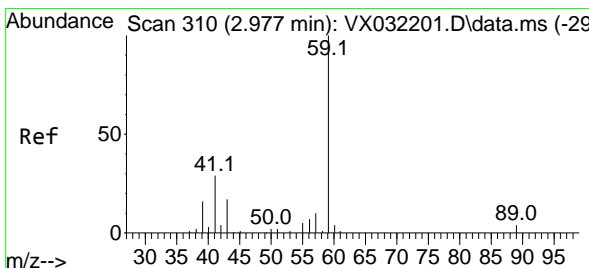
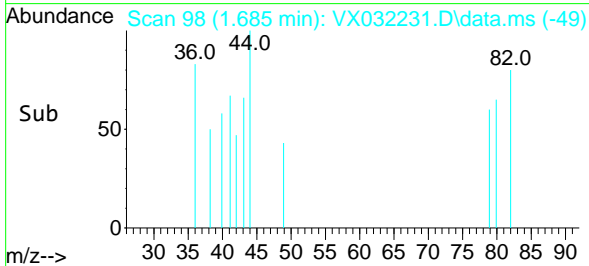
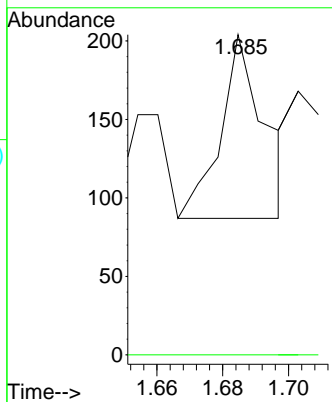
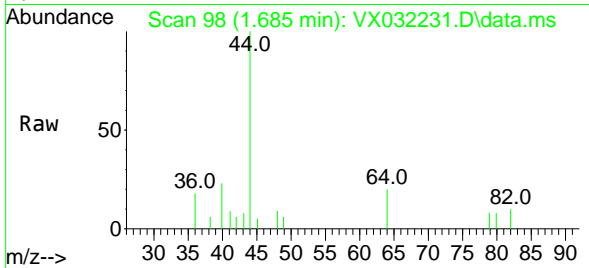




#6  
 Chloroethane  
 Concen: 2.028 ug/l  
 RT: 1.685 min Scan# 91  
 Delta R.T. -0.000 min  
 Lab File: VX032231.D  
 Acq: 20 Oct 2022 01:05

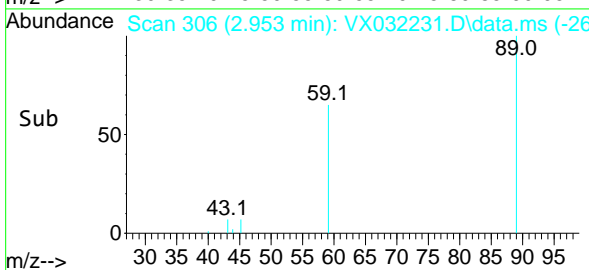
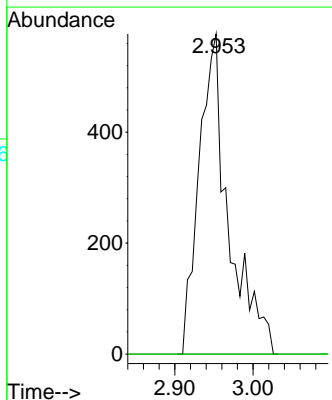
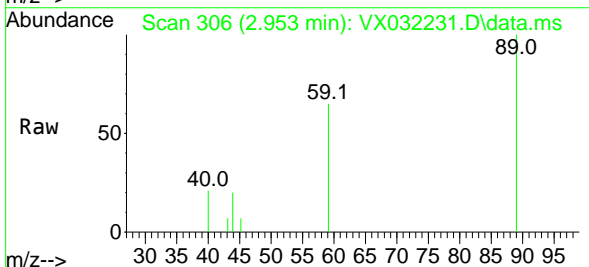
Instrument : MSVOA\_X  
 ClientSampleId : 588A-2

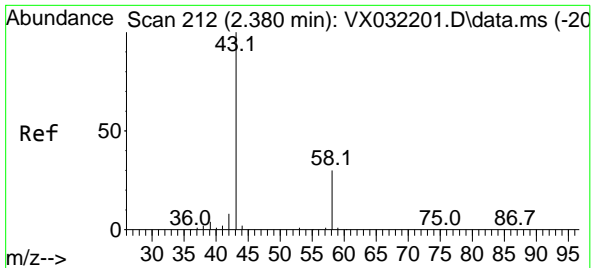
Tgt Ion: 64 Resp: 108  
 Ion Ratio Lower Upper  
 64 100  
 66 0.0 26.6 39.8#



#11  
 Tert butyl alcohol  
 Concen: Below Cal  
 RT: 2.953 min Scan# 306  
 Delta R.T. -0.024 min  
 Lab File: VX032231.D  
 Acq: 20 Oct 2022 01:05

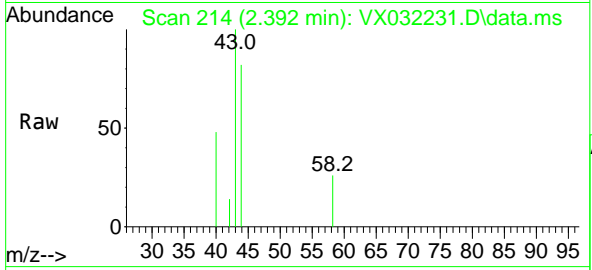
Tgt Ion: 59 Resp: 1516  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 7.5 11.3#



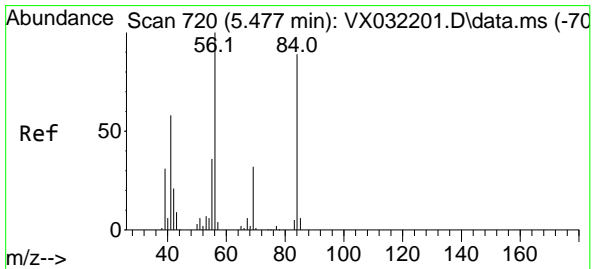
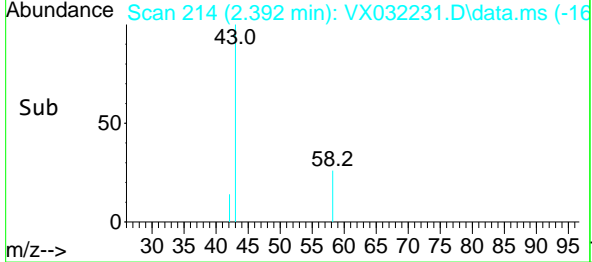
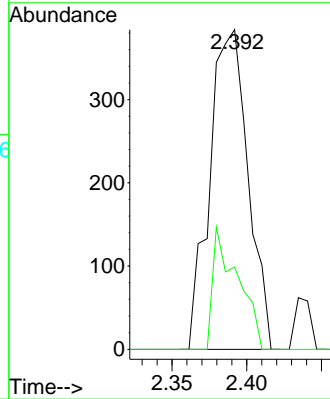


#16  
 Acetone  
 Concen: 1.157 ug/l  
 RT: 2.392 min Scan# 214  
 Delta R.T. 0.012 min  
 Lab File: VX032231.D  
 Acq: 20 Oct 2022 01:05

Instrument : MSVOA\_X  
 ClientSampleId : 588A-2

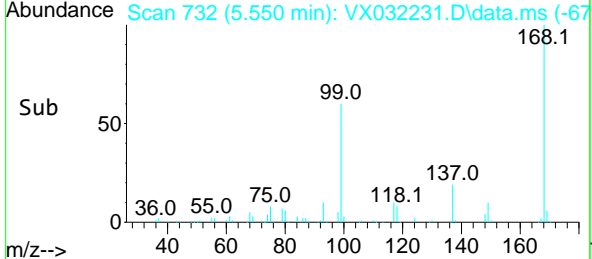
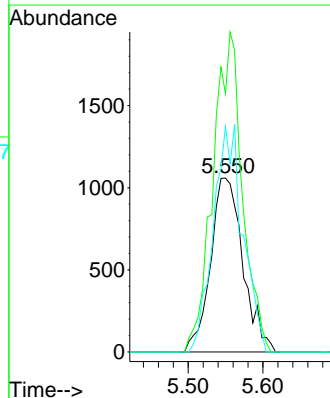
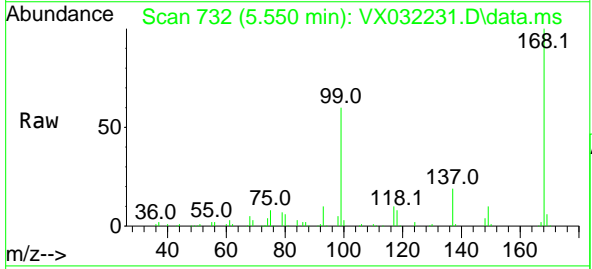


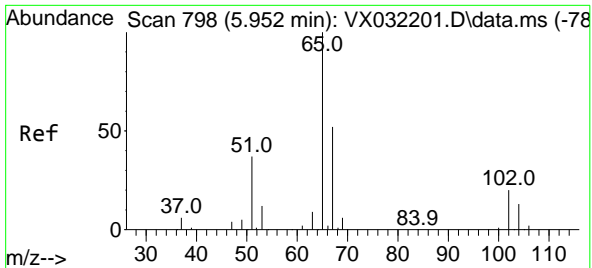
Tgt Ion: 43 Resp: 684  
 Ion Ratio Lower Upper  
 43 100  
 58 25.8 24.2 36.2



#31  
 Cyclohexane  
 Concen: 1.532 ug/l  
 RT: 5.550 min Scan# 732  
 Delta R.T. 0.073 min  
 Lab File: VX032231.D  
 Acq: 20 Oct 2022 01:05

Tgt Ion: 56 Resp: 3191  
 Ion Ratio Lower Upper  
 56 100  
 69 148.4 25.4 38.0#  
 84 129.5 71.2 106.8#

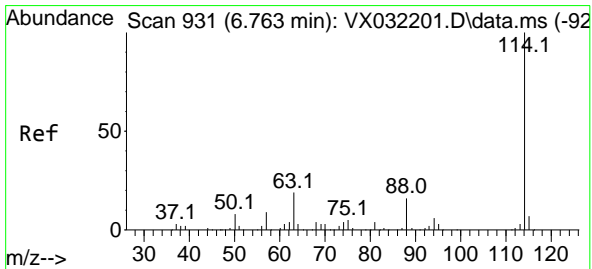
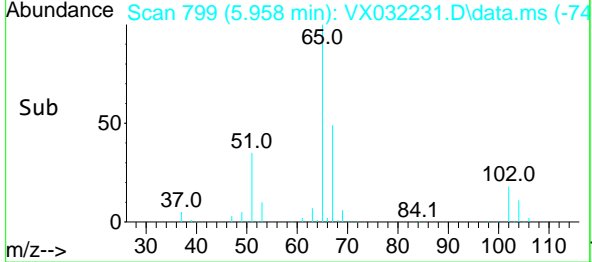
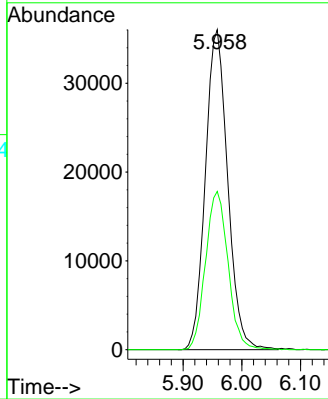
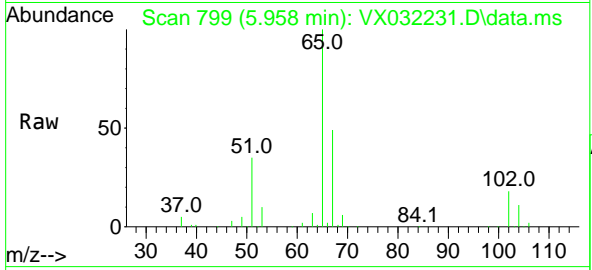




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.151 ug/l  
 RT: 5.958 min Scan# 798  
 Delta R.T. 0.006 min  
 Lab File: VX032231.D  
 Acq: 20 Oct 2022 01:05

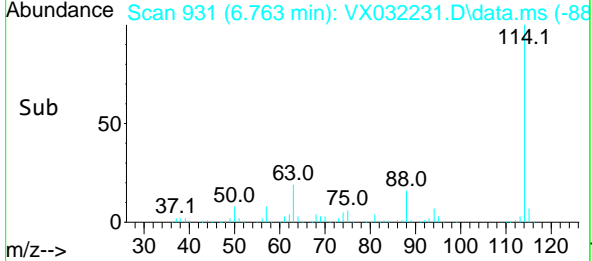
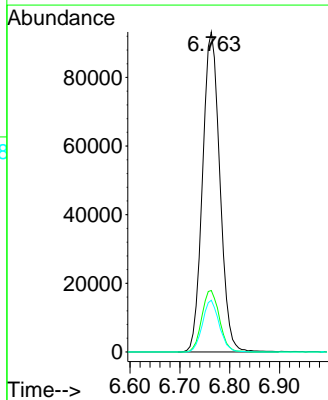
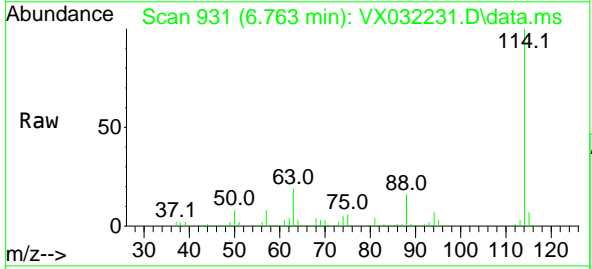
Instrument : MSVOA\_X  
 ClientSampleId : 588A-2

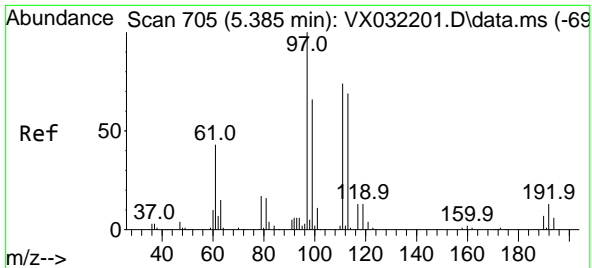
Tgt Ion: 65 Resp: 95004  
 Ion Ratio Lower Upper  
 65 100  
 67 50.0 0.0 103.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. 0.000 min  
 Lab File: VX032231.D  
 Acq: 20 Oct 2022 01:05

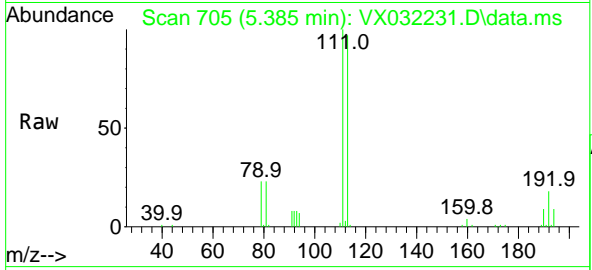
Tgt Ion:114 Resp: 224799  
 Ion Ratio Lower Upper  
 114 100  
 63 19.2 0.0 38.6  
 88 16.2 0.0 32.6





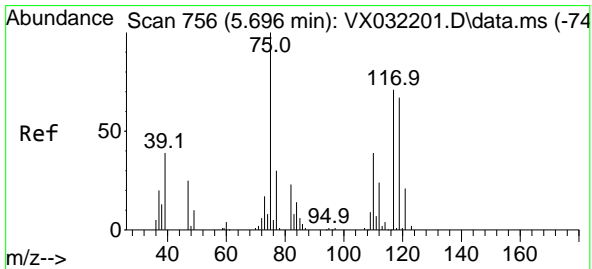
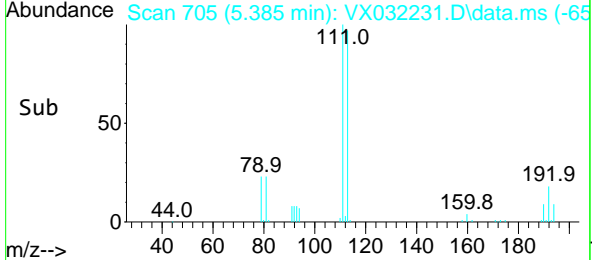
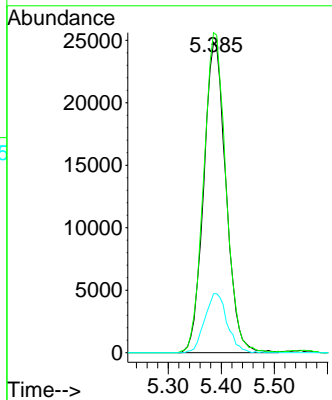
#35  
 Dibromofluoromethane  
 Concen: 46.325 ug/l  
 RT: 5.385 min Scan# 705  
 Delta R.T. 0.000 min  
 Lab File: VX032231.D  
 Acq: 20 Oct 2022 01:05

Instrument : MSVOA\_X  
 ClientSampleId : 588A-2



Tgt Ion: 113 Resp: 72466

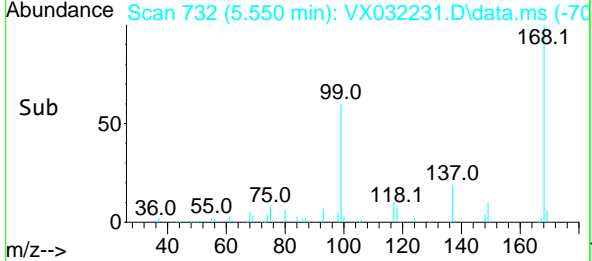
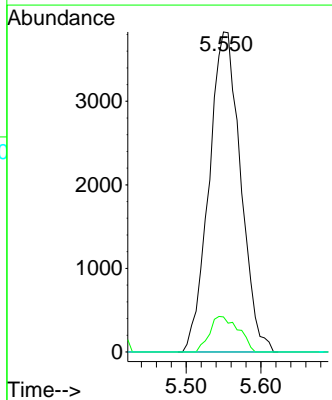
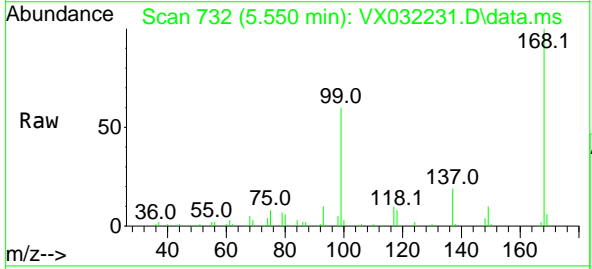
Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.8	124.2
192	19.2	15.5	23.3

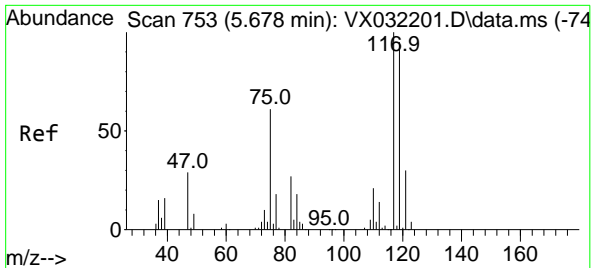


#36  
 1,1-Dichloropropene  
 Concen: 5.585 ug/l  
 RT: 5.550 min Scan# 732  
 Delta R.T. -0.146 min  
 Lab File: VX032231.D  
 Acq: 20 Oct 2022 01:05

Tgt Ion: 75 Resp: 11239

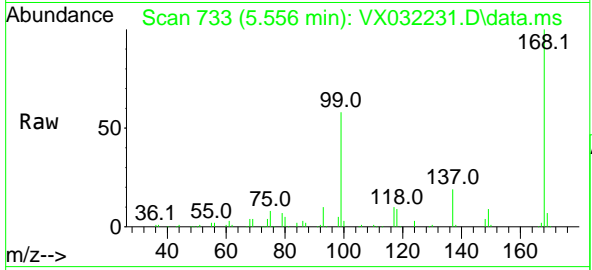
Ion	Ratio	Lower	Upper
75	100		
110	10.2	18.4	55.0#
77	0.0	24.7	37.1#



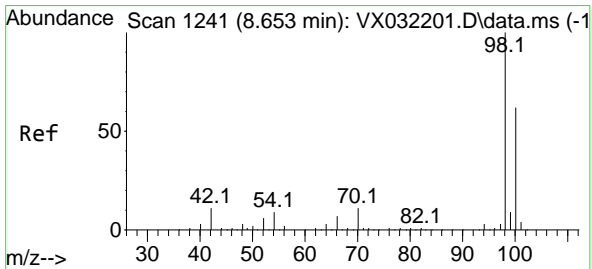
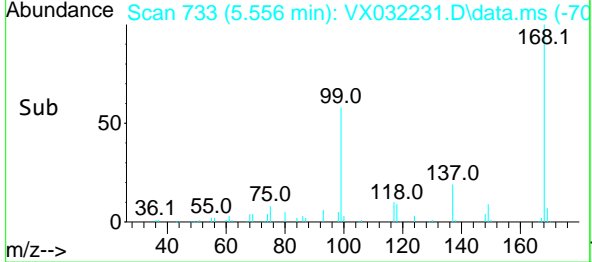
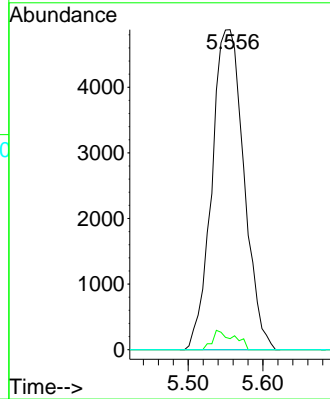


#38  
 Carbon Tetrachloride  
 Concen: 6.858 ug/l  
 RT: 5.556 min Scan# 71  
 Delta R.T. -0.122 min  
 Lab File: VX032231.D  
 Acq: 20 Oct 2022 01:05

Instrument : MSVOA\_X  
 ClientSampleId : 588A-2

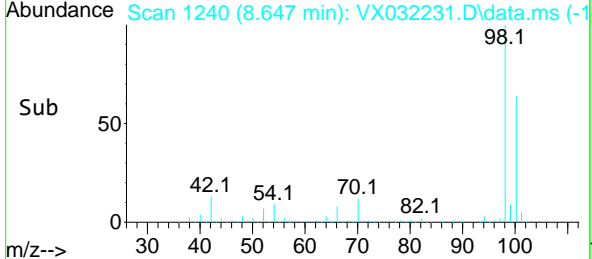
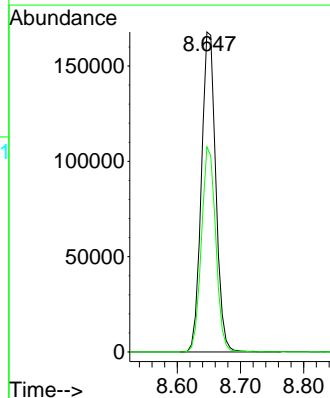
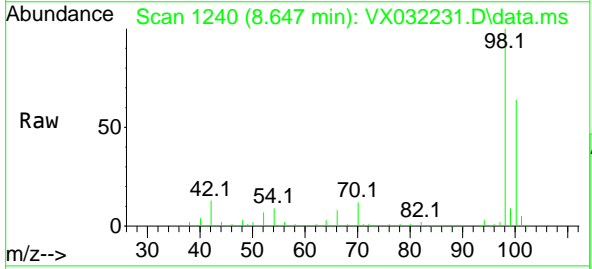


Tgt Ion:117 Resp: 14569  
 Ion Ratio Lower Upper  
 117 100  
 119 3.4 75.4 113.0#  
 121 0.0 23.9 35.9#

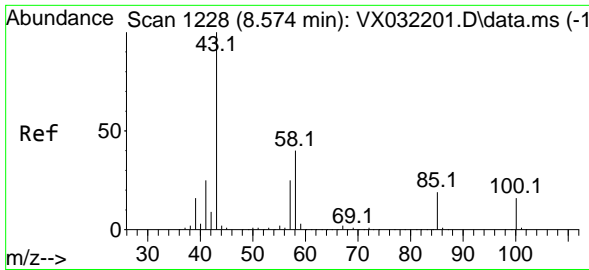


#50  
 Toluene-d8  
 Concen: 47.122 ug/l  
 RT: 8.647 min Scan# 1240  
 Delta R.T. -0.006 min  
 Lab File: VX032231.D  
 Acq: 20 Oct 2022 01:05

Tgt Ion: 98 Resp: 265342  
 Ion Ratio Lower Upper  
 98 100  
 100 63.7 50.7 76.1



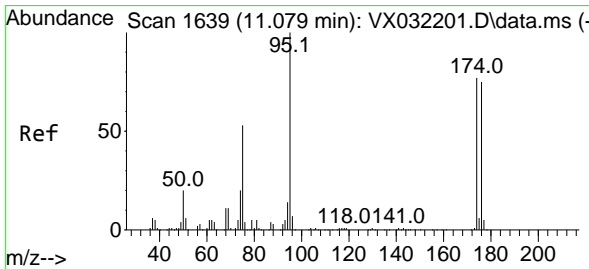
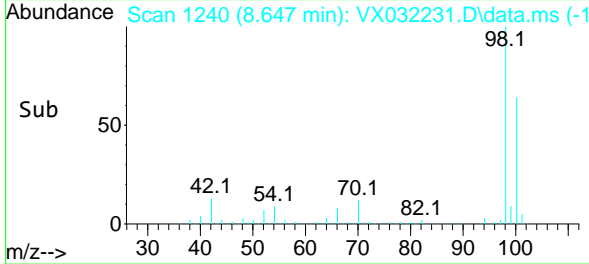
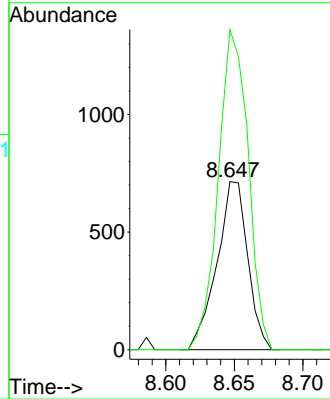
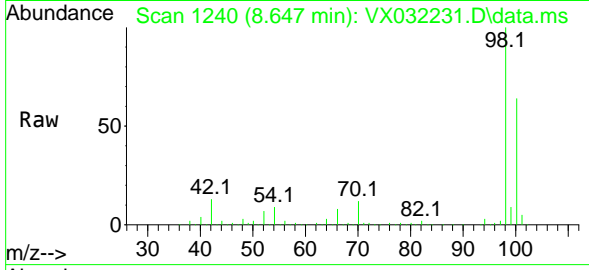




#51  
 4-Methyl-2-Pentanone  
 Concen: 0.577 ug/l  
 RT: 8.647 min Scan# 1118  
 Delta R.T. 0.073 min  
 Lab File: VX032231.D  
 Acq: 20 Oct 2022 01:05

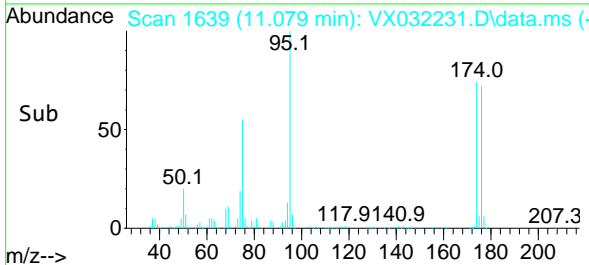
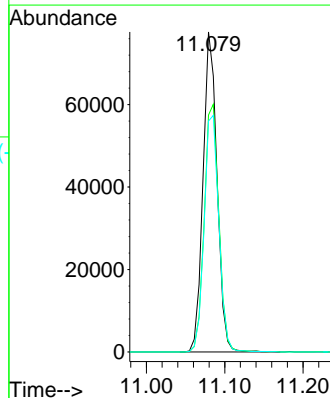
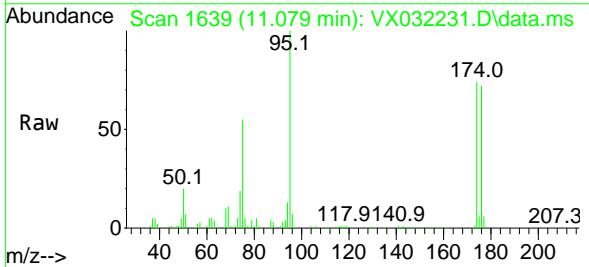
Instrument : MSVOA\_X  
 ClientSampleId : 588A-2

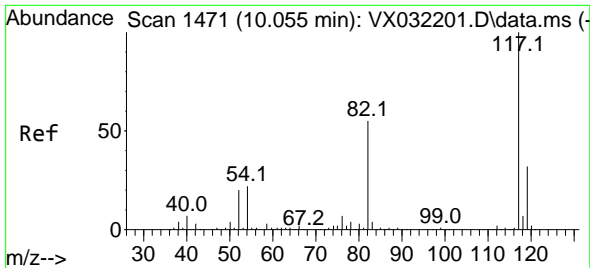
Tgt Ion: 43 Resp: 1118  
 Ion Ratio Lower Upper  
 43 100  
 58 185.1 31.0 46.4#



#62  
 4-Bromofluorobenzene  
 Concen: 46.581 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. 0.000 min  
 Lab File: VX032231.D  
 Acq: 20 Oct 2022 01:05

Tgt Ion: 95 Resp: 96049  
 Ion Ratio Lower Upper  
 95 100  
 174 80.8 0.0 166.8  
 176 78.0 0.0 161.4

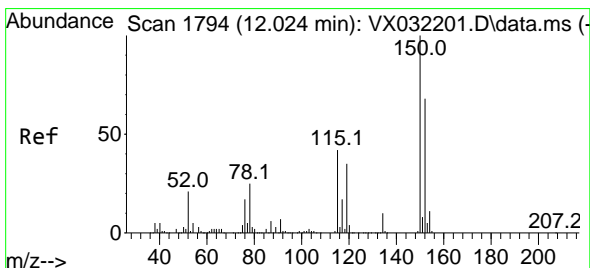
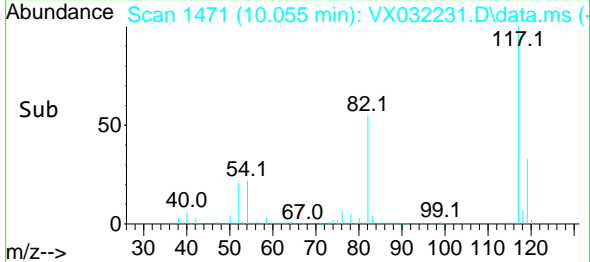
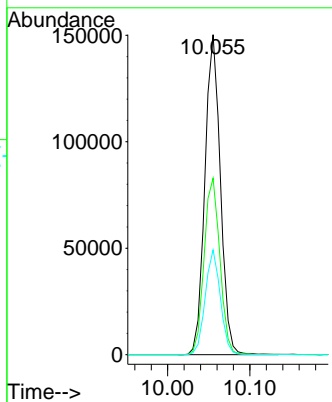
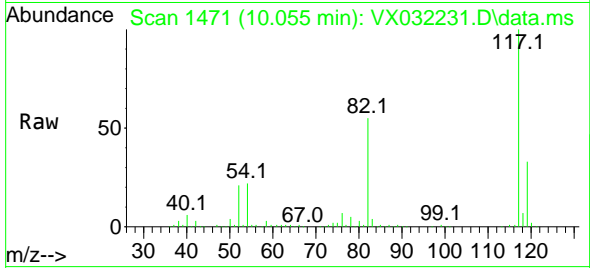




#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 10.055 min Scan# 14  
 Delta R.T. 0.000 min  
 Lab File: VX032231.D  
 Acq: 20 Oct 2022 01:05

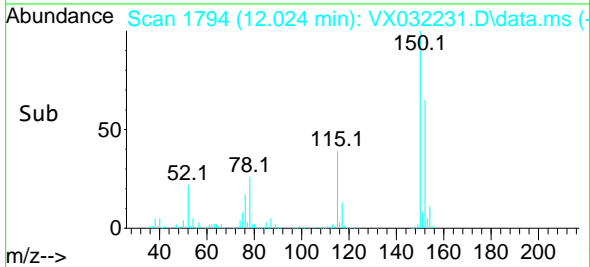
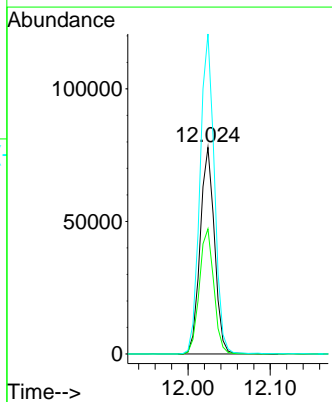
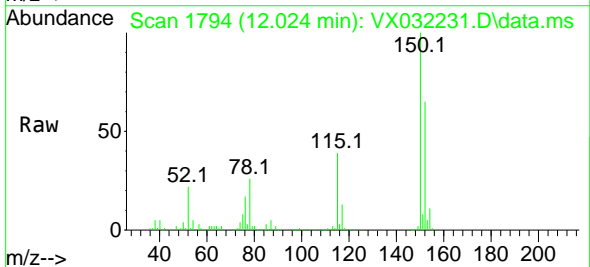
Instrument : MSVOA\_X  
 ClientSampleId : 588A-2

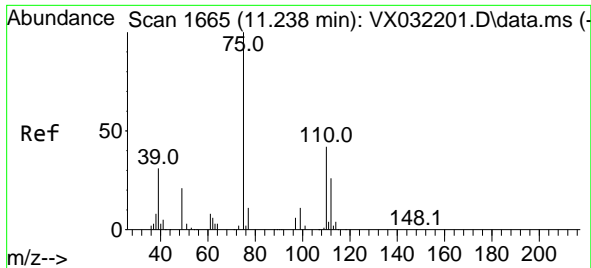
Tgt Ion	Resp	Lower	Upper
117	196840		
117	100		
82	55.2	44.2	66.4
119	32.8	25.8	38.8



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1794  
 Delta R.T. 0.000 min  
 Lab File: VX032231.D  
 Acq: 20 Oct 2022 01:05

Tgt Ion	Resp	Lower	Upper
152	94417		
152	100		
115	61.1	43.1	129.4
150	156.0	0.0	348.6

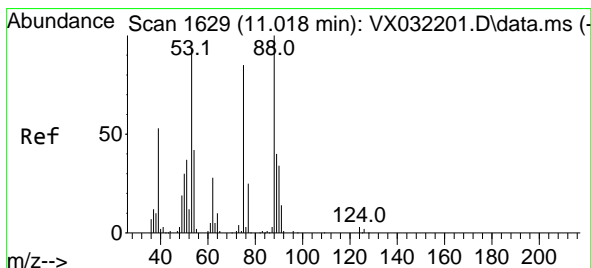
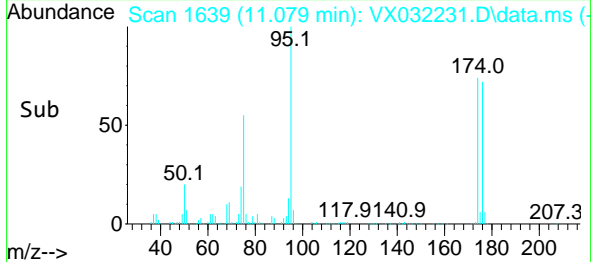
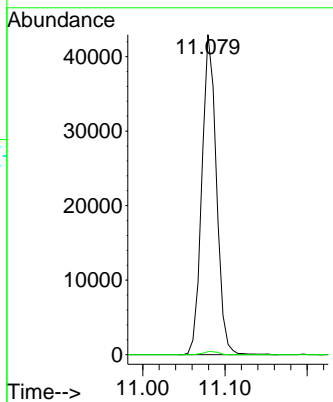
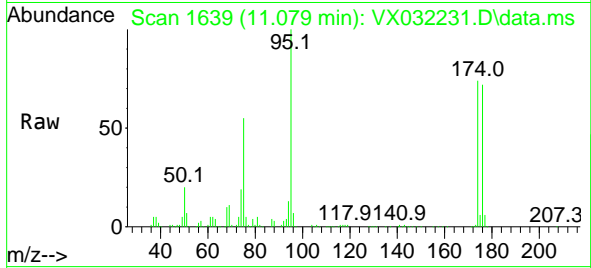




#76  
 1,2,3-Trichloropropane  
 Concen: 28.240 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.159 min  
 Lab File: VX032231.D  
 Acq: 20 Oct 2022 01:05

Instrument : MSVOA\_X  
 ClientSampleId : 588A-2

Tgt Ion: 75 Resp: 52831  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 16.0 47.9#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 86.582 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. 0.061 min  
 Lab File: VX032231.D  
 Acq: 20 Oct 2022 01:05

Tgt Ion: 75 Resp: 52831  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 87.8 131.8#  
 89 0.0 37.8 56.8#

