

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101819\  
 Data File : VX013139.D  
 Acq On : 18 Oct 2019 19:51  
 Operator : JC/SP  
 Sample : K5451-10  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FA19-JPZ0341

Quant Time: Oct 19 00:00:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X100819W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 16 07:26:22 2019  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	164255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	259003	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	213116	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	79993	50.00	ug/l	0.00

## System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	99318	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
35) Dibromofluoromethane	5.49	113	77591	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	
50) Toluene-d8	8.71	98	295737	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
62) 4-Bromofluorobenzene	11.14	95	94436	41.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.84%	

## Target Compounds

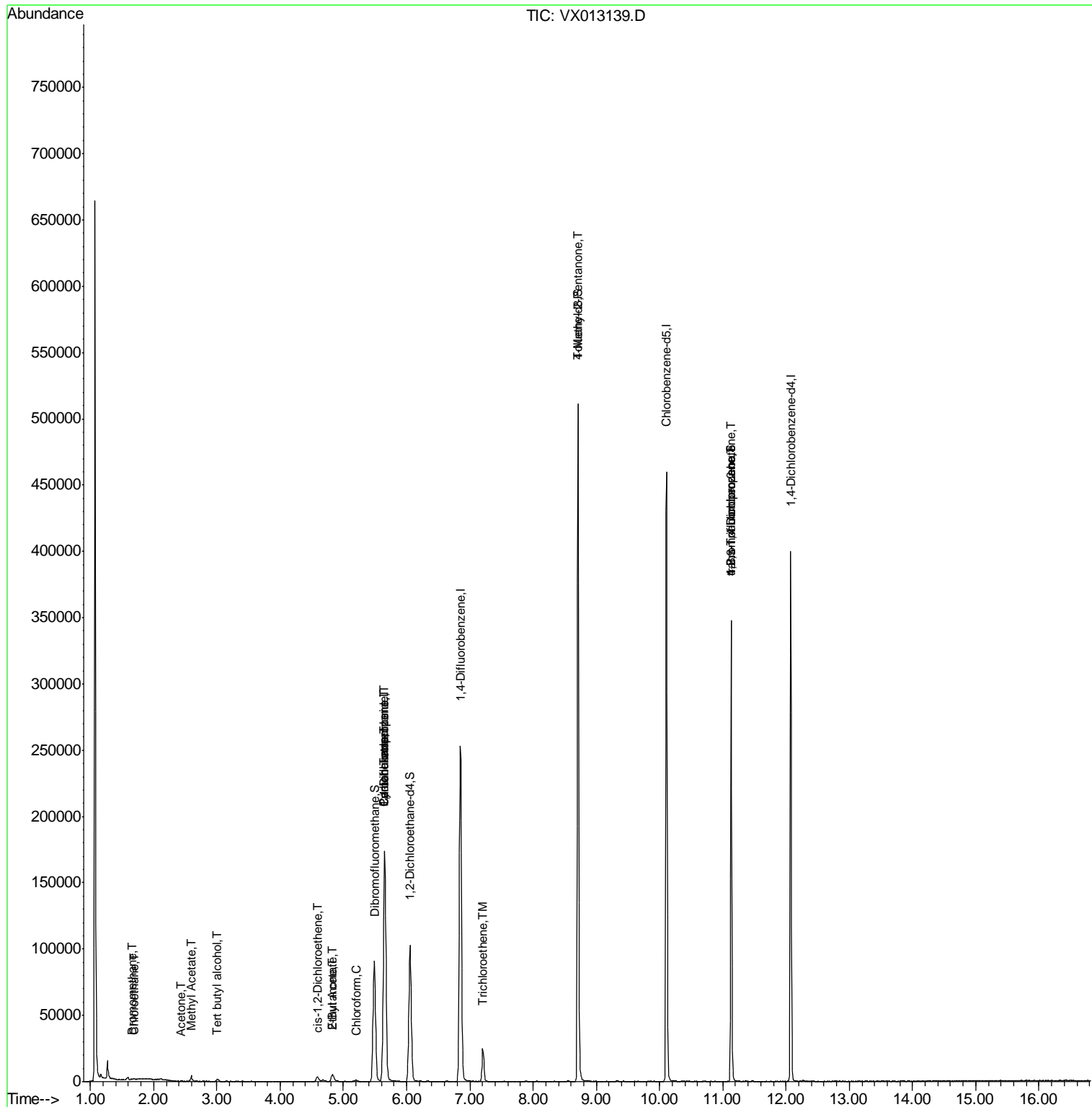
						Qvalue
5) Bromomethane	1.66	94	200	0.256	ug/l #	3
6) Chloroethane	1.69	64	621	0.904	ug/l #	43
11) Tert butyl alcohol	3.01	59	938	1.724	ug/l #	72
16) Acetone	2.44	43	590	0.545	ug/l	99
18) Methyl Acetate	2.59	43	1240	0.483	ug/l #	51
25) 2-Butanone	4.83	43	9944	6.624	ug/l #	49
27) cis-1,2-Dichloroethene	4.59	96	2508	1.223	ug/l	88
30) Chloroform	5.20	83	1748	0.535	ug/l	94
31) Cyclohexane	5.64	56	3505	1.176	ug/l #	19
36) 1,1-Dichloropropene	5.65	75	12022	5.279	ug/l #	51
37) Ethyl Acetate	4.83	43	10024	3.937	ug/l	98
38) Carbon Tetrachloride	5.65	117	16701	7.535	ug/l #	17
44) Trichloroethene	7.22	130	9813	5.262	ug/l	96
51) 4-Methyl-2-Pentanone	8.72	43	1306	0.513	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	46997	26.489	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	46997	66.635	ug/l #	10

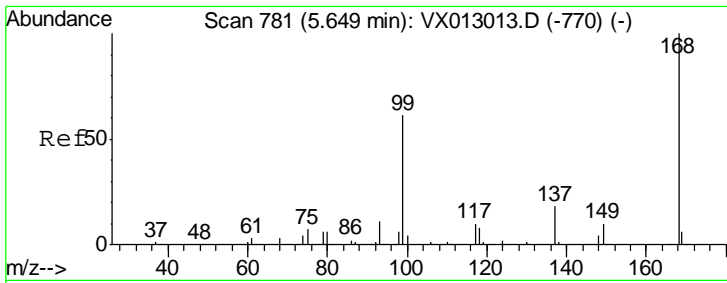
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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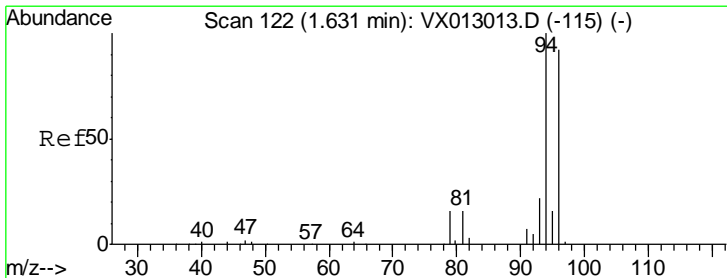
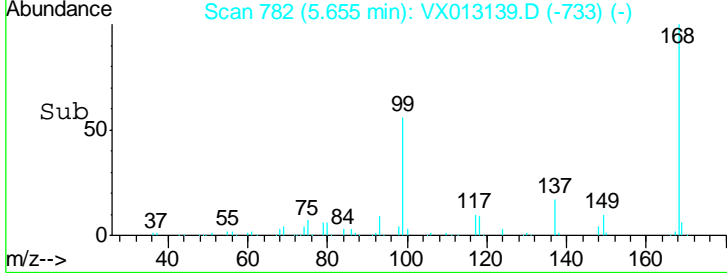
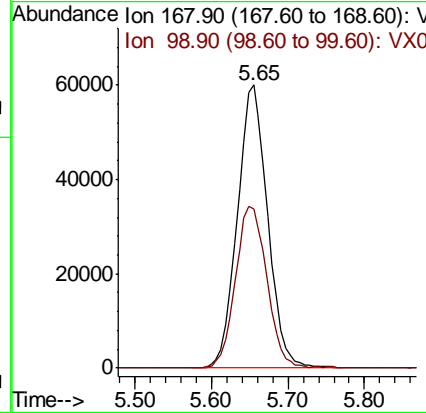
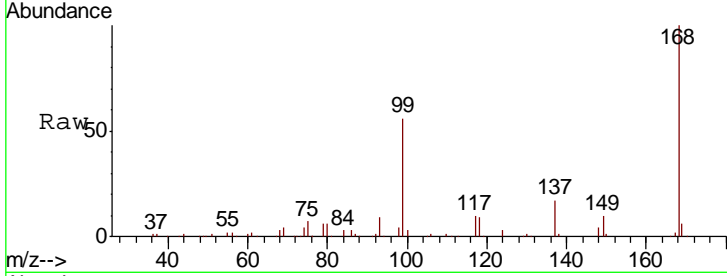




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.65 min Scan# 782  
 Delta R.T. 0.00 min  
 Lab File: VX013139.D  
 Acq: 18 Oct 2019 19:51

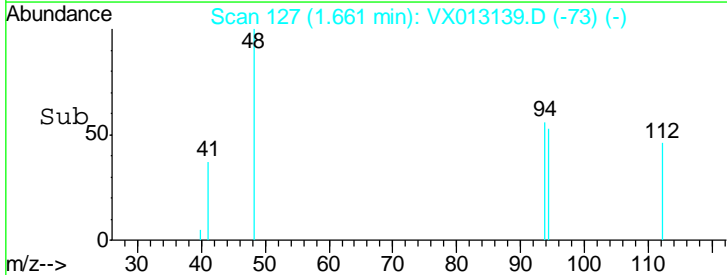
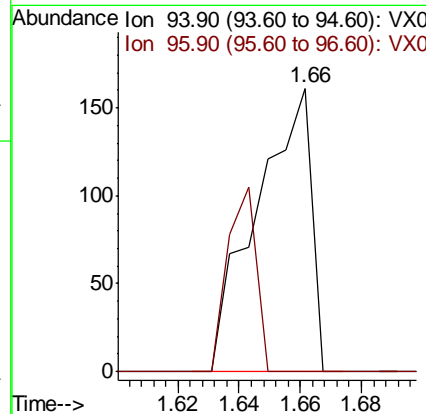
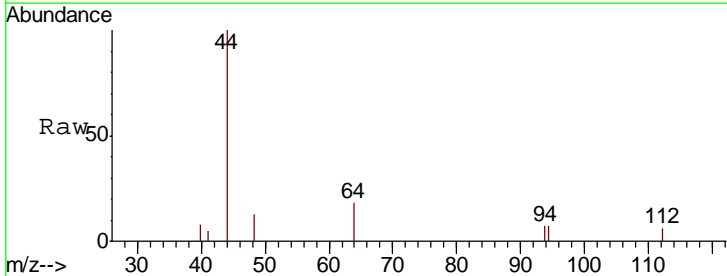
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 FA19-JPZ0341

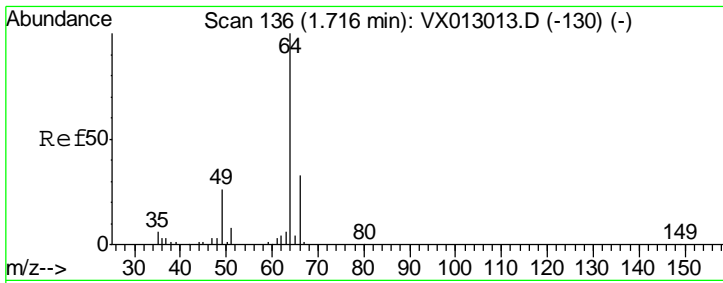
Tot Ion: 168 Resp: 164255  
 Ion Ratio Lower Upper  
 168 100  
 99 56.2 49.4 74.0



#5  
 Bromomethane  
 Concen: 0.256 ug/l  
 RT: 1.66 min Scan# 127  
 Delta R.T. 0.03 min  
 Lab File: VX013139.D  
 Acq: 18 Oct 2019 19:51

Tgt Ion: 94 Resp: 200  
 Ion Ratio Lower Upper  
 94 100  
 96 0.0 74.7 112.1#

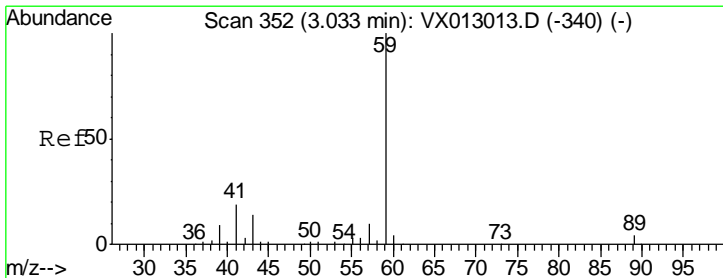
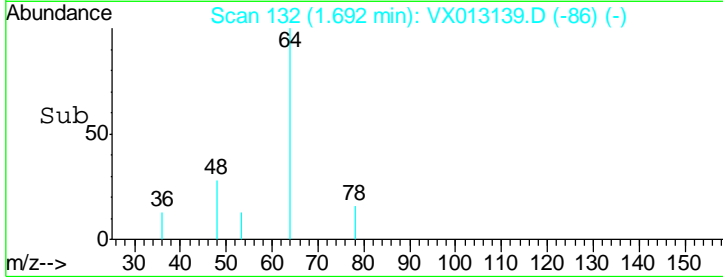
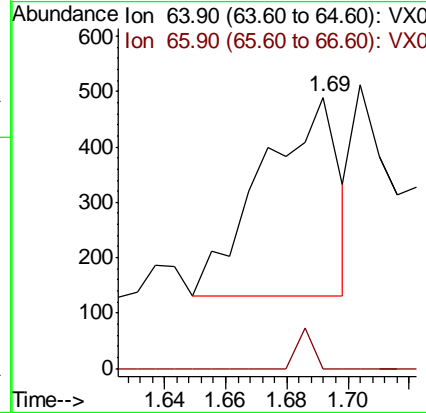
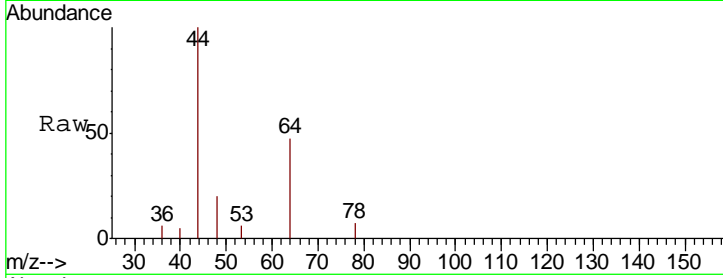




#6  
 Chloroethane  
 Concen: 0.904 ug/l  
 RT: 1.69 min Scan# 132  
 Delta R.T. -0.02 min  
 Lab File: VX013139.D  
 Acq: 18 Oct 2019 19:51

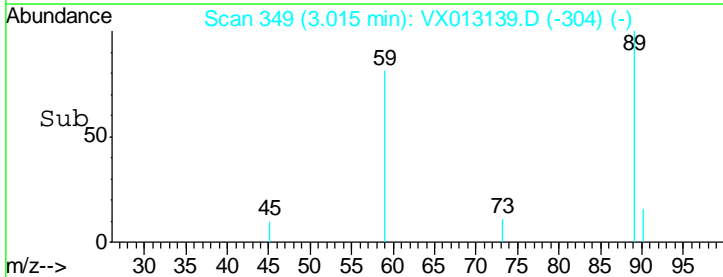
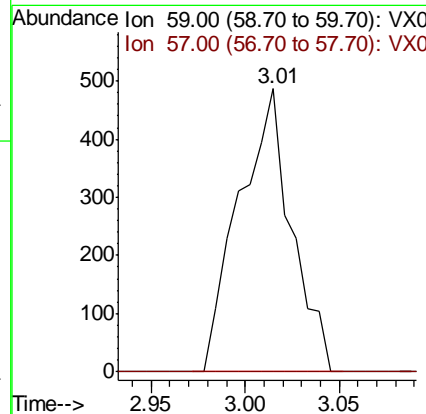
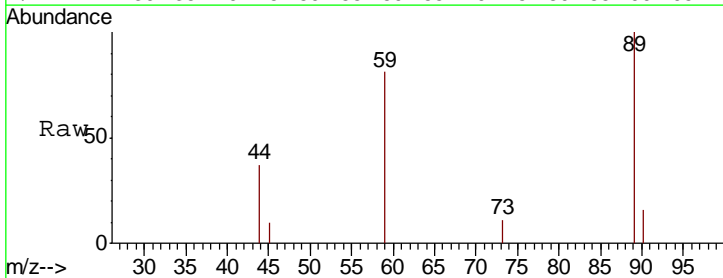
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 FA19-JPZ0341

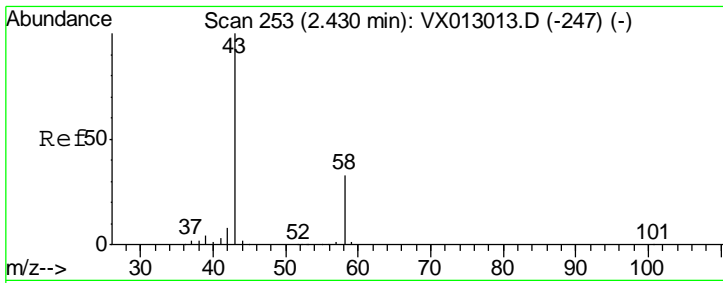
Tgt Ion: 64 Resp: 621  
 Ion Ratio Lower Upper  
 64 100  
 66 0.0 25.6 38.4#



#11  
 Tert butyl alcohol  
 Concen: 1.724 ug/l  
 RT: 3.01 min Scan# 349  
 Delta R.T. -0.02 min  
 Lab File: VX013139.D  
 Acq: 18 Oct 2019 19:51

Tgt Ion: 59 Resp: 938  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 8.3 12.5#

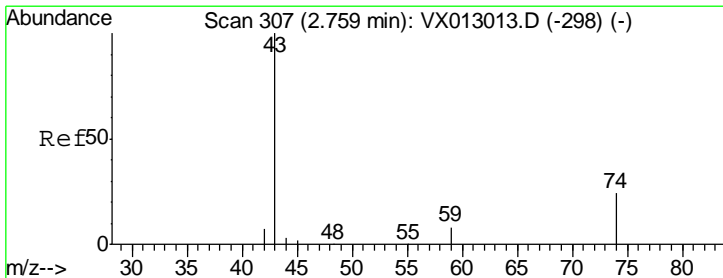
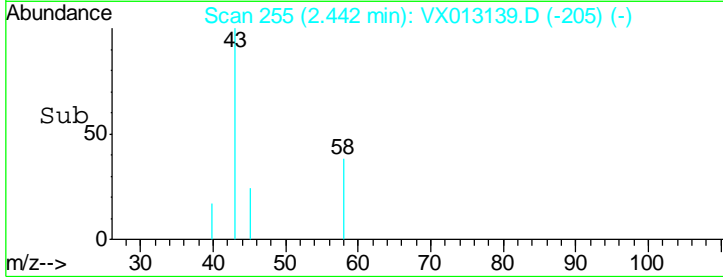
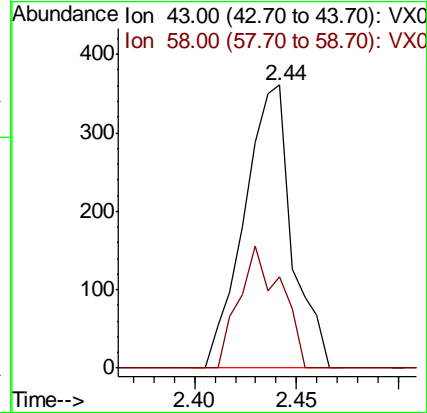
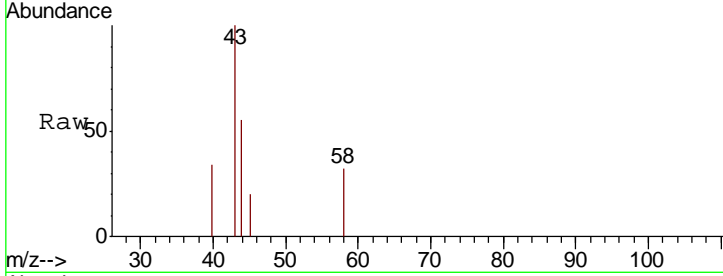




#16  
 Acetone  
 Concen: 0.545 ug/l  
 RT: 2.44 min Scan# 255  
 Delta R.T. 0.01 min  
 Lab File: VX013139.D  
 Acq: 18 Oct 2019 19:51

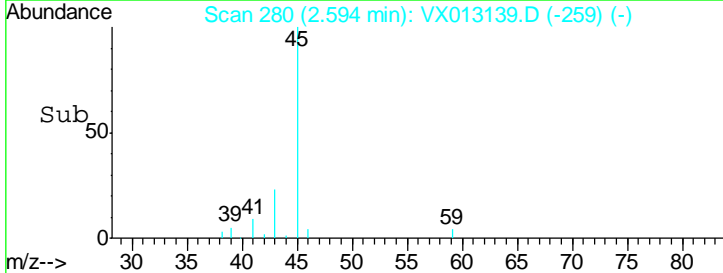
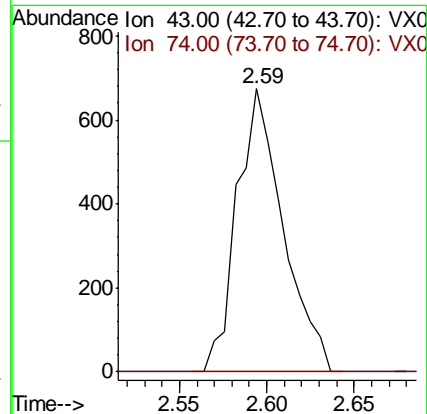
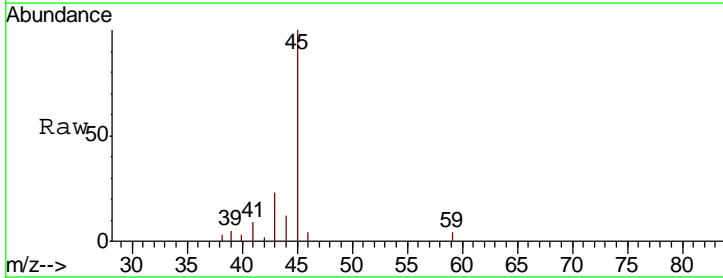
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 FA19-JPZ0341

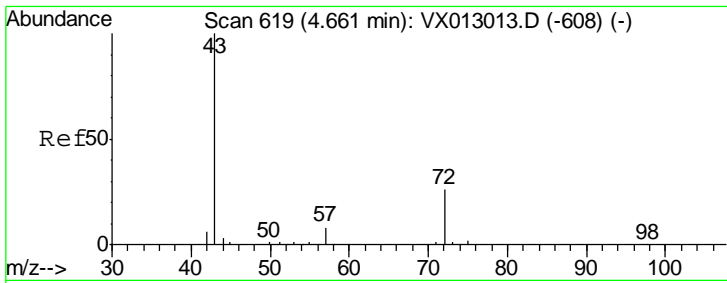
Tgt Ion: 43 Resp: 590  
 Ion Ratio Lower Upper  
 43 100  
 58 32.4 25.4 38.2



#18  
 Methyl Acetate  
 Concen: 0.483 ug/l  
 RT: 2.59 min Scan# 280  
 Delta R.T. -0.17 min  
 Lab File: VX013139.D  
 Acq: 18 Oct 2019 19:51

Tgt Ion: 43 Resp: 1240  
 Ion Ratio Lower Upper  
 43 100  
 74 0.0 19.2 28.8#

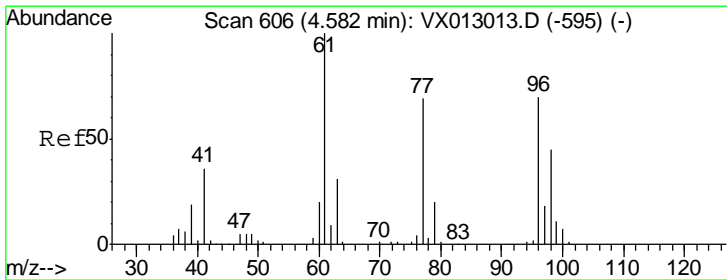
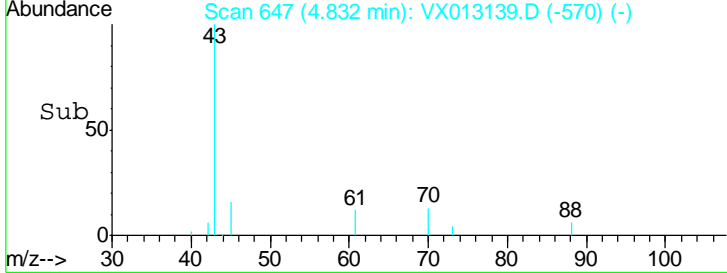
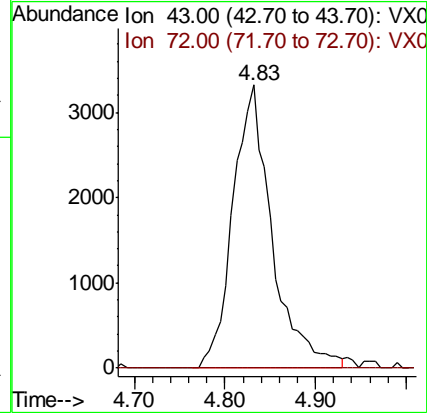
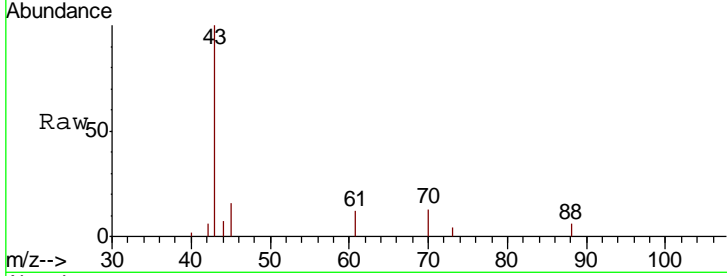




#25  
 2-Butanone  
 Concen: 6.624 ug/l  
 RT: 4.83 min Scan# 647  
 Delta R.T. 0.17 min  
 Lab File: VX013139.D  
 Acq: 18 Oct 2019 19:51

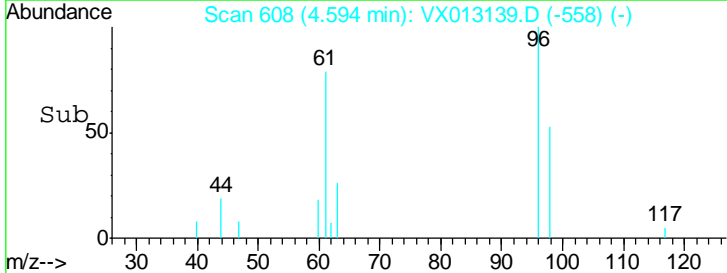
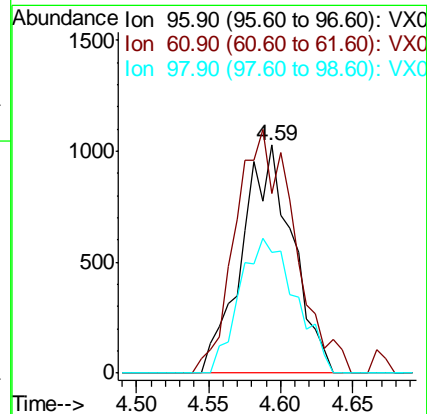
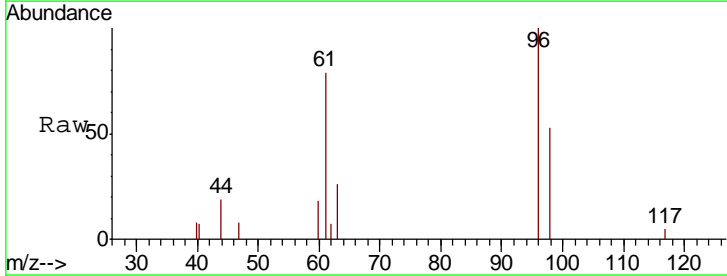
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 FA19-JPZ0341

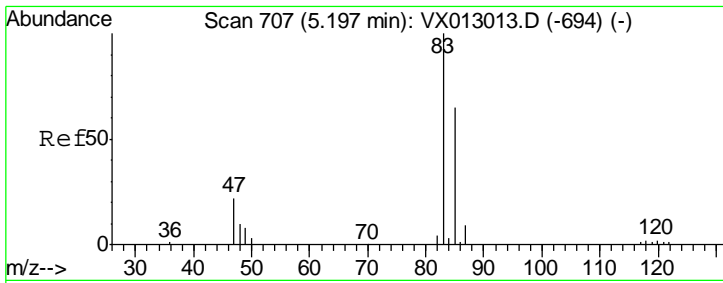
Tgt Ion	Resp	Lower	Upper
43	9944	100	
72		0.0	21.0
			31.6#



#27  
 cis-1,2-Dichloroethene  
 Concen: 1.223 ug/l  
 RT: 4.59 min Scan# 608  
 Delta R.T. 0.01 min  
 Lab File: VX013139.D  
 Acq: 18 Oct 2019 19:51

Tgt Ion	Resp	Lower	Upper
96	2508	100	
61		124.6	0.0
			290.6
98		65.6	0.0
			128.8



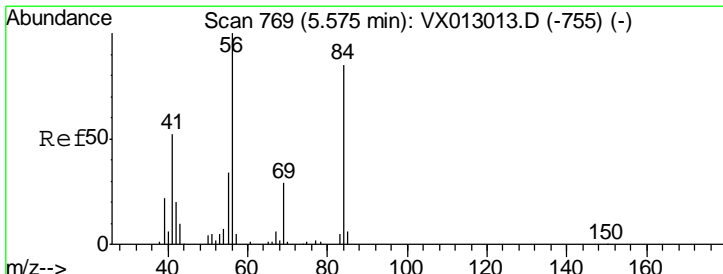
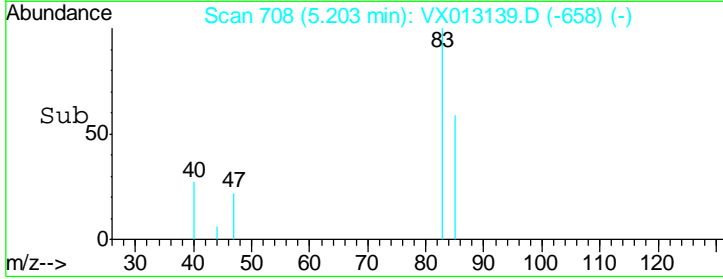
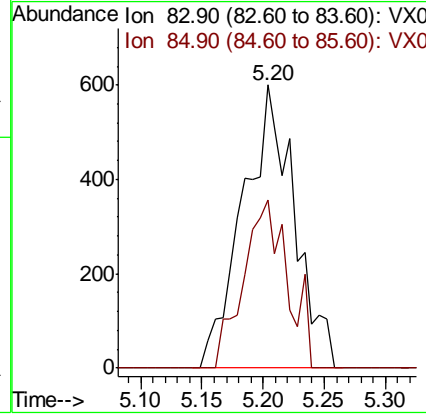
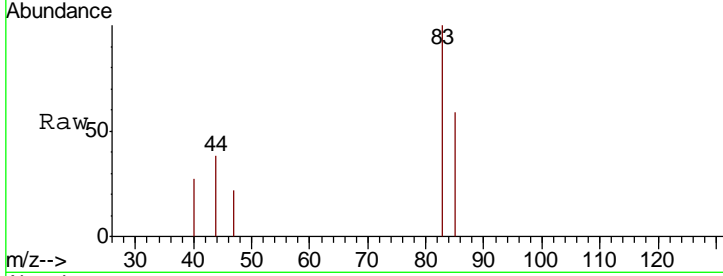


#30  
 Chloroform  
 Concen: 0.535 ug/l  
 RT: 5.20 min Scan# 708  
 Delta R.T. 0.01 min  
 Lab File: VX013139.D  
 Acq: 18 Oct 2019 19:51

Instrument : MSVOA\_X  
 ClientSampled : FA19-JPZ0341

Tgt Ion: 83 Resp: 1748

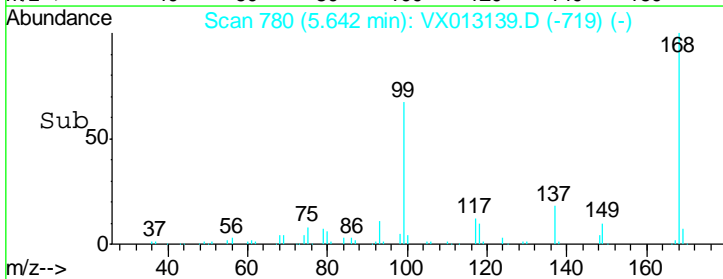
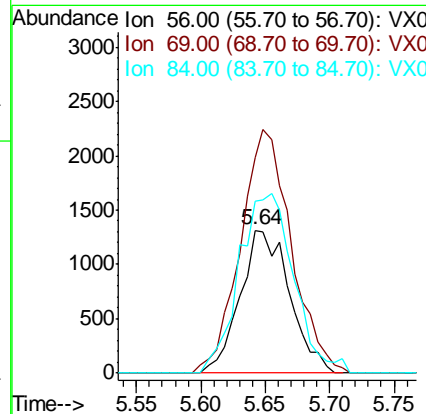
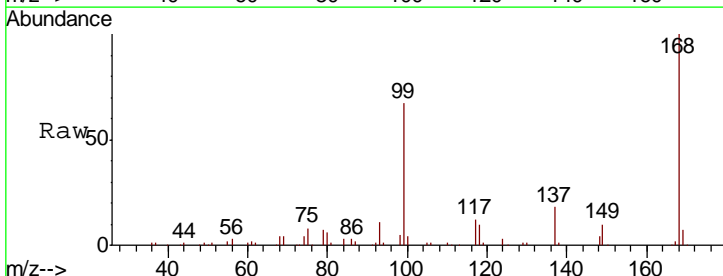
Ion	Ratio	Lower	Upper
83	100		
85	59.3	51.5	77.3

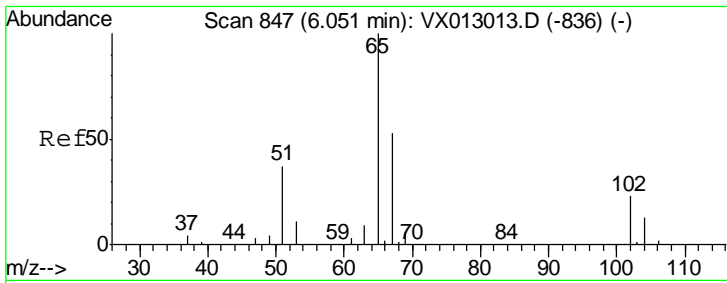


#31  
 Cyclohexane  
 Concen: 1.176 ug/l  
 RT: 5.64 min Scan# 780  
 Delta R.T. 0.07 min  
 Lab File: VX013139.D  
 Acq: 18 Oct 2019 19:51

Tgt Ion: 56 Resp: 3505

Ion	Ratio	Lower	Upper
56	100		
69	150.6	25.2	37.8#
84	120.3	71.3	106.9#

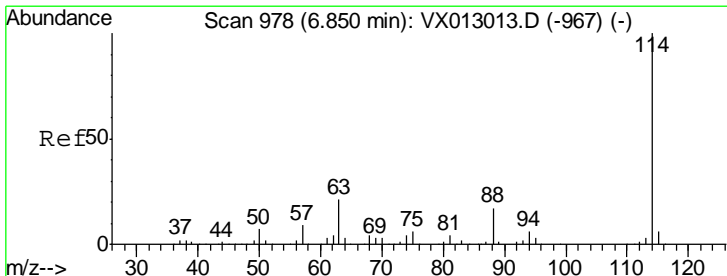
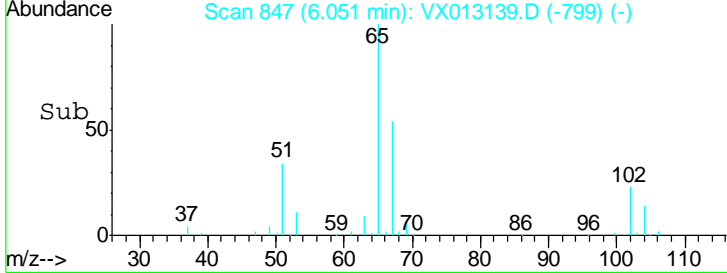
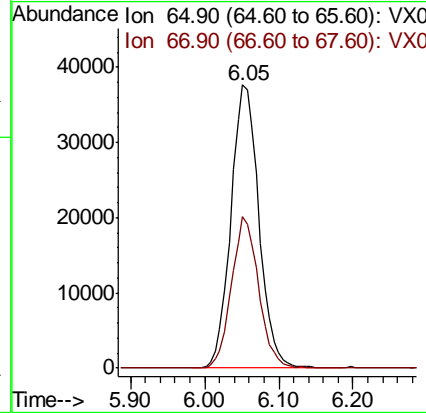
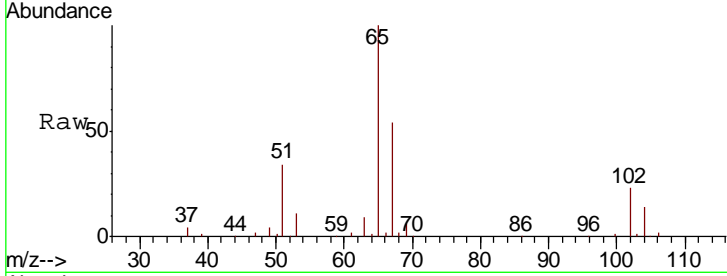




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.377 ug/l  
 RT: 6.05 min Scan# 847  
 Delta R.T. -0.01 min  
 Lab File: VX013139.D  
 Acq: 18 Oct 2019 19:51

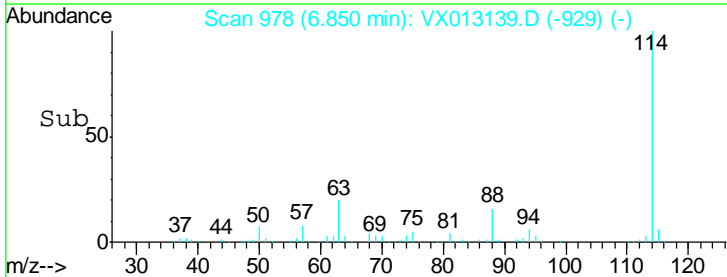
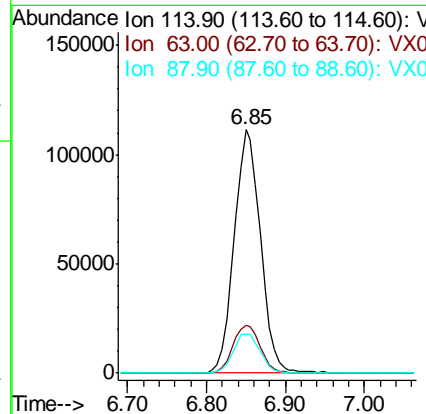
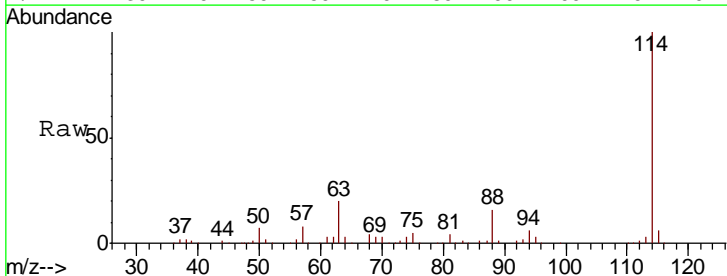
Instrument :  
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 ClientSampled :  
 FA19-JPZ0341

Tot Ion: 65 Resp: 99318  
 Ion Ratio Lower Upper  
 65 100  
 67 51.6 0.0 104.4

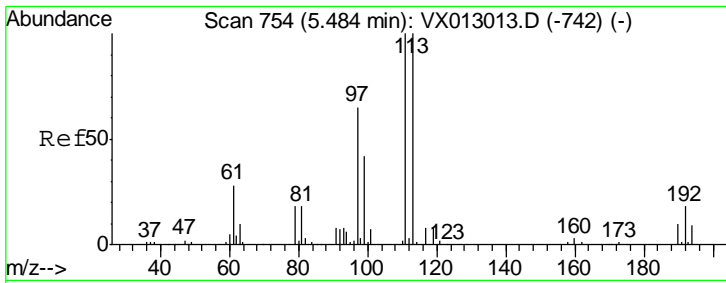


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 978  
 Delta R.T. 0.00 min  
 Lab File: VX013139.D  
 Acq: 18 Oct 2019 19:51

Tgt Ion: 114 Resp: 259003  
 Ion Ratio Lower Upper  
 114 100  
 63 19.8 0.0 40.8  
 88 15.9 0.0 33.8



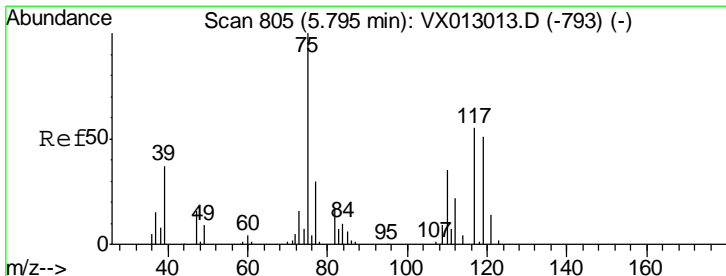
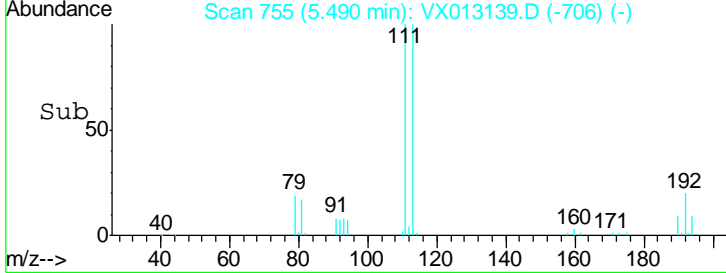
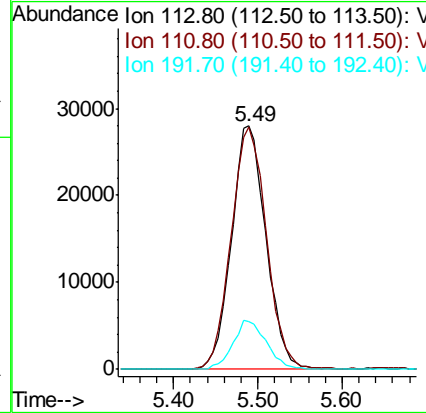
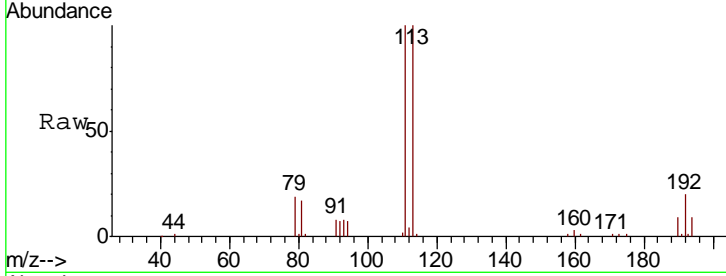




#35  
 Dibromofluoromethane  
 Concen: 52.196 ug/l  
 RT: 5.49 min Scan# 755  
 Delta R.T. 0.00 min  
 Lab File: VX013139.D  
 Acq: 18 Oct 2019 19:51

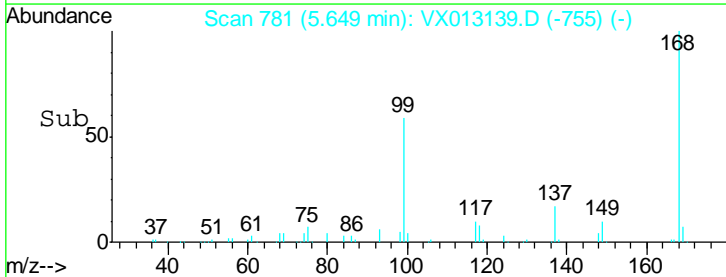
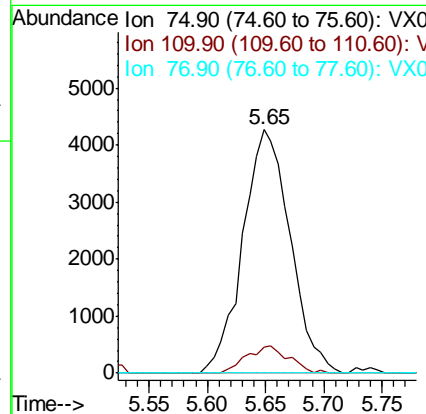
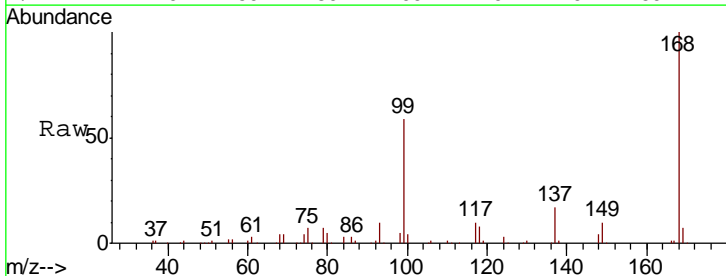
Instrument :  
 MSVOA\_X  
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 FA19-JPZ0341

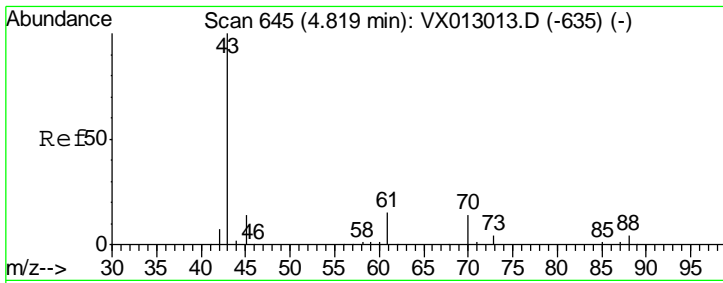
Tgt Ion	Resp	Lower	Upper
113	77591		
111	102.4	83.2	124.8
192	19.5	15.4	23.2



#36  
 1,1-Dichloropropene  
 Concen: 5.279 ug/l  
 RT: 5.65 min Scan# 781  
 Delta R.T. -0.14 min  
 Lab File: VX013139.D  
 Acq: 18 Oct 2019 19:51

Tgt Ion	Resp	Lower	Upper
75	12022		
110	10.0	17.6	52.9#
77	0.0	24.4	36.6#

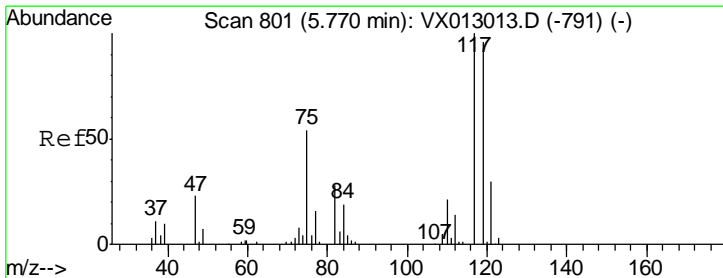
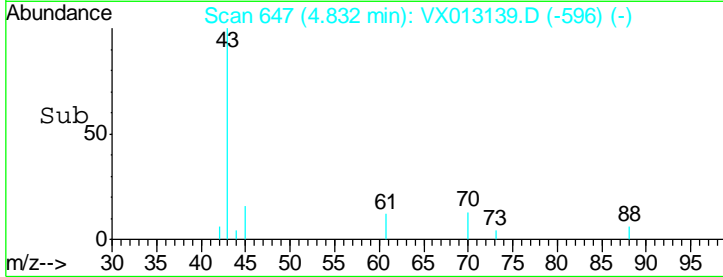
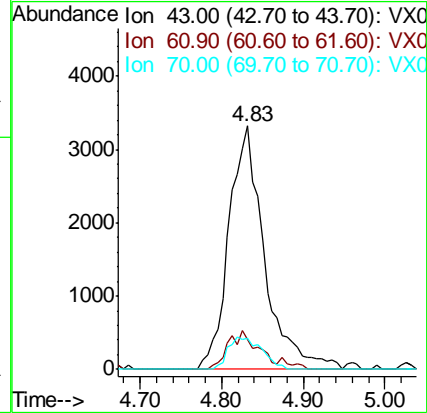
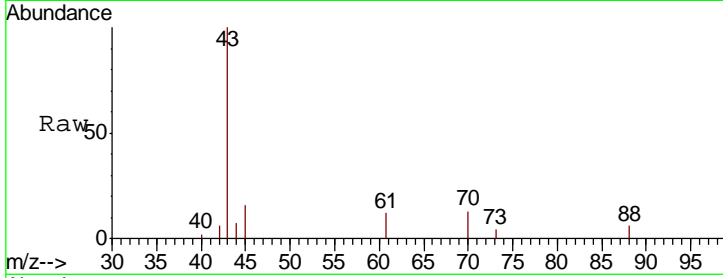




#37  
 Ethyl Acetate  
 Concen: 3.937 ug/l  
 RT: 4.83 min Scan# 647  
 Delta R.T. 0.01 min  
 Lab File: VX013139.D  
 Acq: 18 Oct 2019 19:51

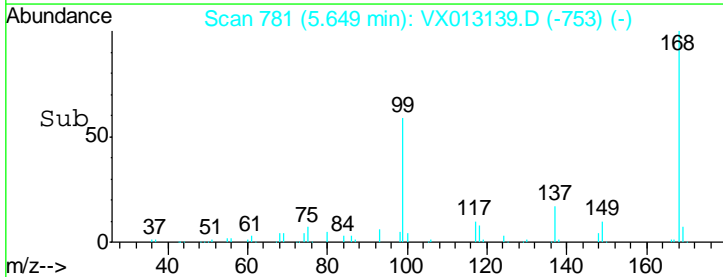
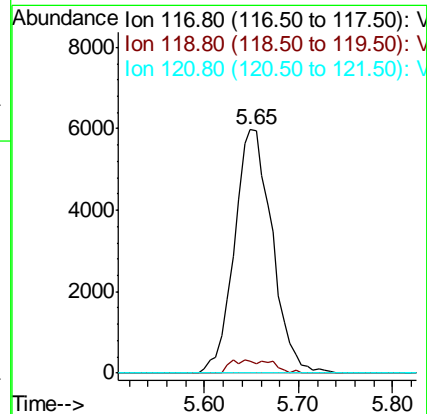
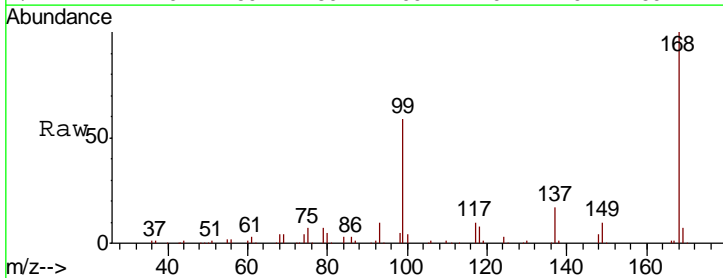
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 FA19-JPZ0341

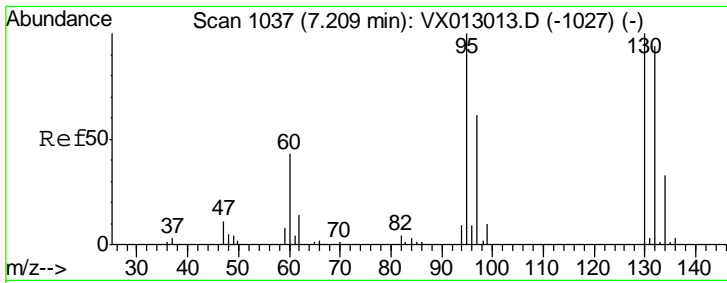
Tgt Ion	Resp	Lower	Upper
43	10024		
61	13.2	11.4	17.0
70	12.5	9.8	14.6



#38  
 Carbon Tetrachloride  
 Concen: 7.535 ug/l  
 RT: 5.65 min Scan# 781  
 Delta R.T. -0.13 min  
 Lab File: VX013139.D  
 Acq: 18 Oct 2019 19:51

Tgt Ion	Resp	Lower	Upper
117	16701		
119	5.1	74.5	111.7#
121	0.0	24.2	36.4#

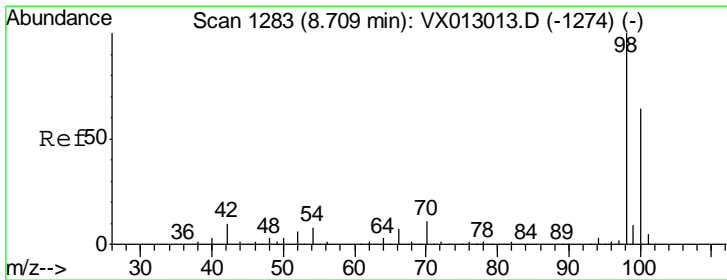
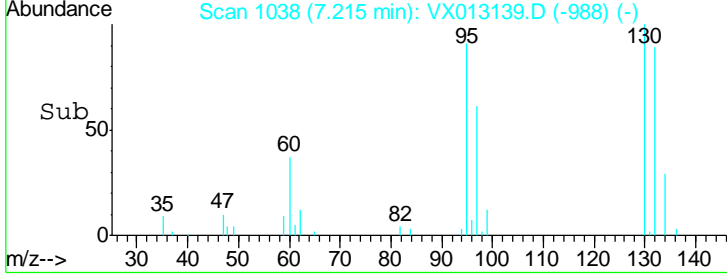
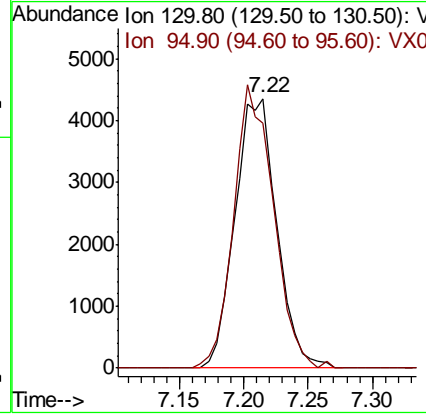
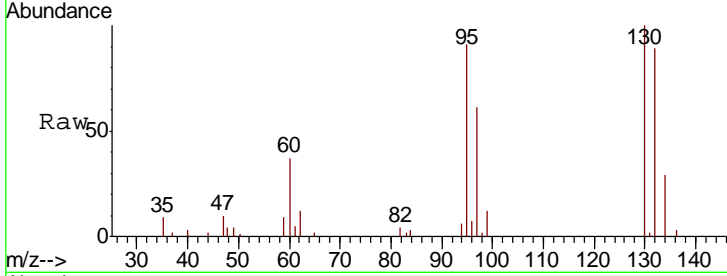




#44  
 Trichloroethene  
 Concen: 5.262 ug/l  
 RT: 7.22 min Scan# 1038  
 Delta R.T. 0.01 min  
 Lab File: VX013139.D  
 Acq: 18 Oct 2019 19:51

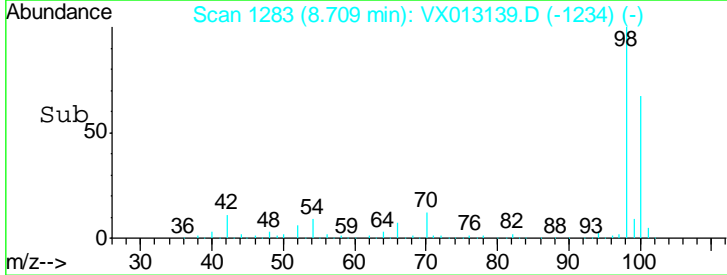
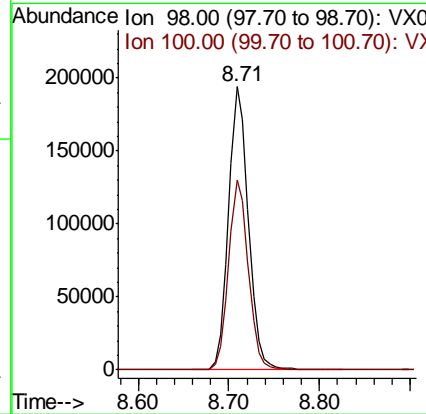
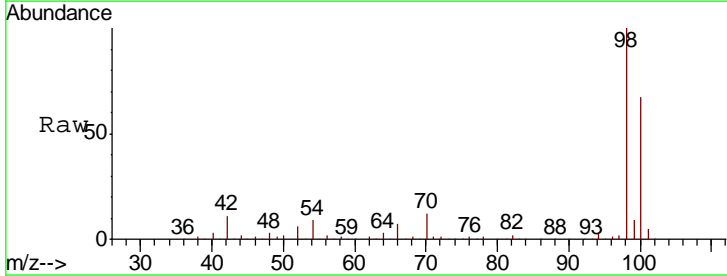
**Instrument :**  
 MSVOA\_X  
**ClientSampled :**  
 FA19-JPZ0341

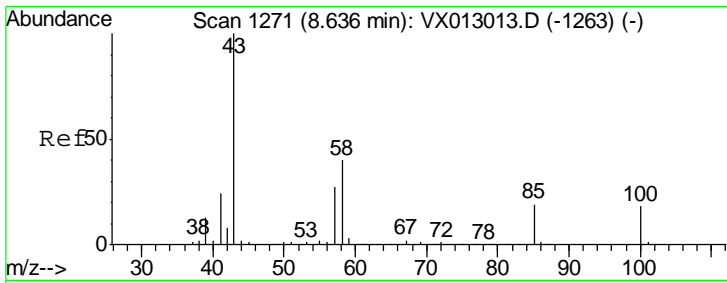
Tgt Ion	Resp	Lower	Upper
130	100		
95	90.8	0.0	189.2



#50  
 Toluene-d8  
 Concen: 51.008 ug/l  
 RT: 8.71 min Scan# 1283  
 Delta R.T. 0.00 min  
 Lab File: VX013139.D  
 Acq: 18 Oct 2019 19:51

Tgt Ion	Resp	Lower	Upper
98	100		
100	66.8	53.4	80.2

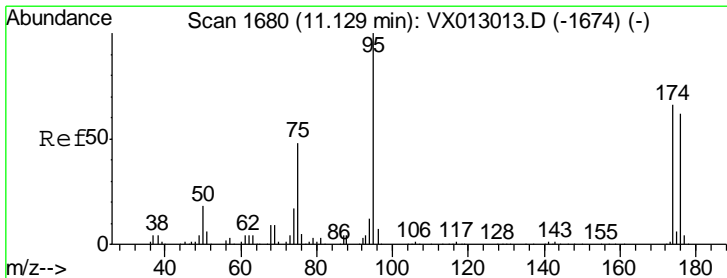
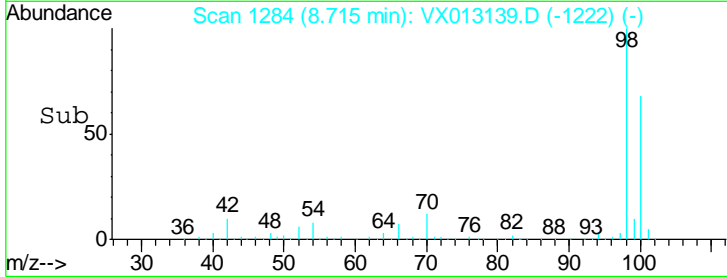
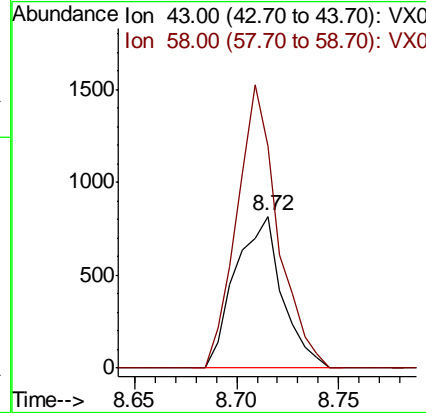
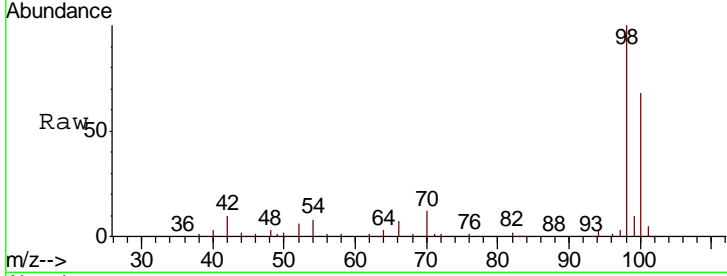




#51  
 4-Methyl-2-Pentanone  
 Concen: 0.513 ug/l  
 RT: 8.72 min Scan# 1284  
 Delta R.T. 0.08 min  
 Lab File: VX013139.D  
 Acq: 18 Oct 2019 19:51

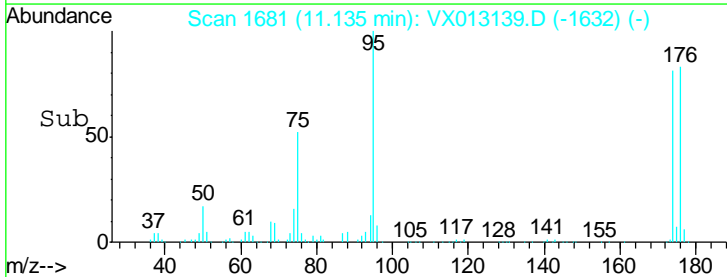
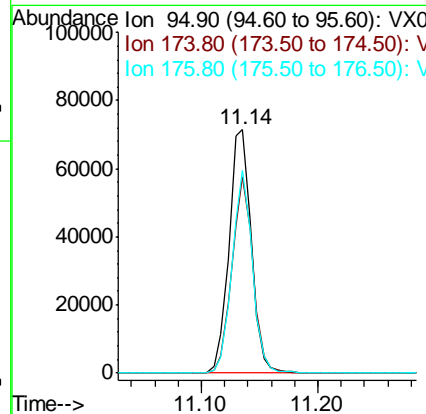
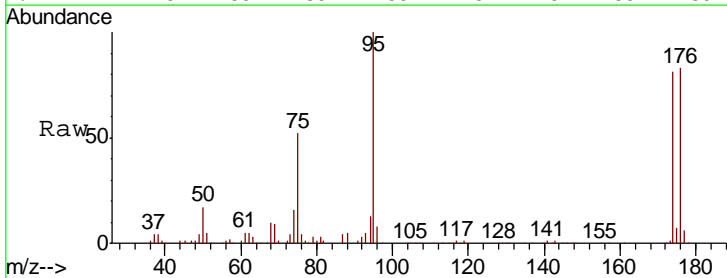
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 FA19-JPZ0341

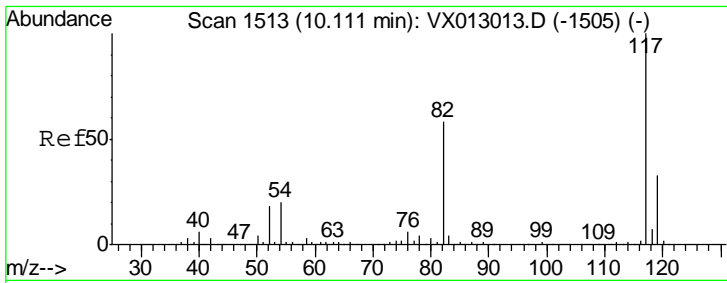
Tgt Ion: 43 Resp: 1306  
 Ion Ratio Lower Upper  
 43 100  
 58 161.8 32.4 48.6#



#62  
 4-Bromofluorobenzene  
 Concen: 41.919 ug/l  
 RT: 11.14 min Scan# 1681  
 Delta R.T. 0.00 min  
 Lab File: VX013139.D  
 Acq: 18 Oct 2019 19:51

Tgt Ion: 95 Resp: 94436  
 Ion Ratio Lower Upper  
 95 100  
 174 76.1 0.0 143.4  
 176 76.0 0.0 136.0

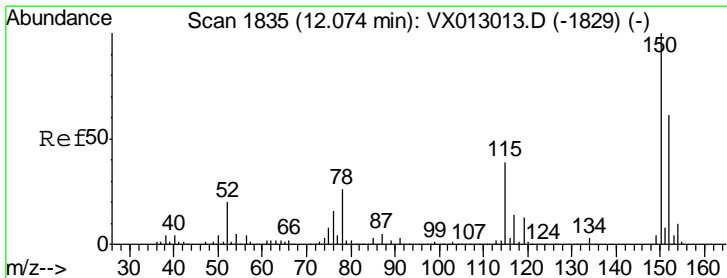
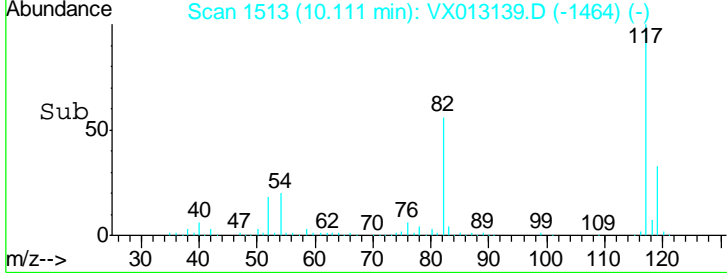
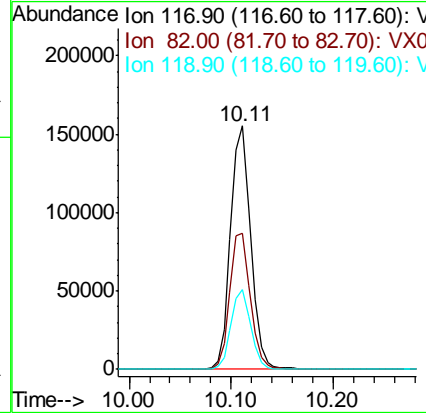
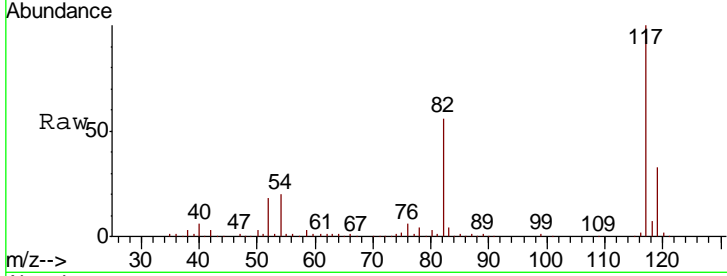




#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 10.11 min Scan# 1513  
 Delta R.T. 0.00 min  
 Lab File: VX013139.D  
 Acq: 18 Oct 2019 19:51

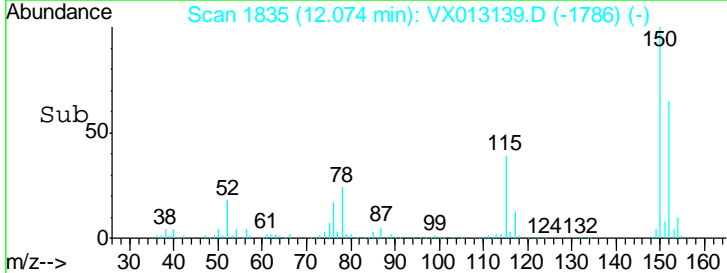
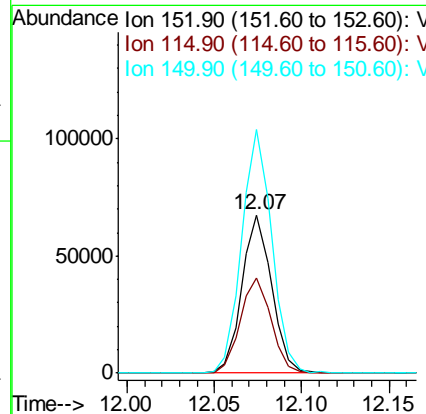
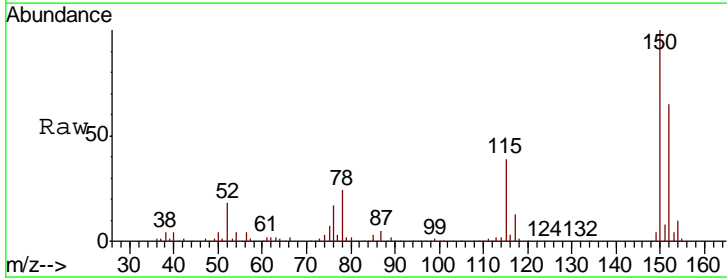
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 FA19-JPZ0341

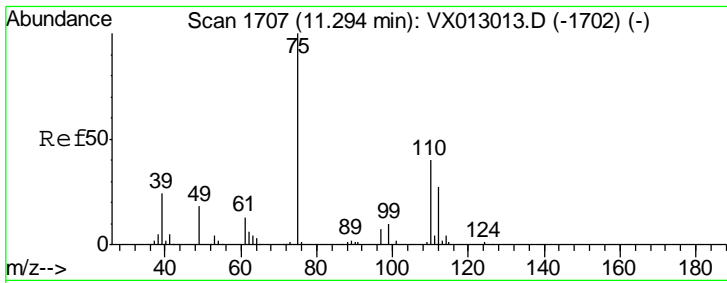
Tgt Ion	Resp	Lower	Upper
117	213116		
82	55.9	44.1	66.1
119	32.7	25.8	38.8



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.07 min Scan# 1835  
 Delta R.T. 0.00 min  
 Lab File: VX013139.D  
 Acq: 18 Oct 2019 19:51

Tgt Ion	Resp	Lower	Upper
152	79993		
115	62.7	44.5	133.5
150	155.7	0.0	353.4

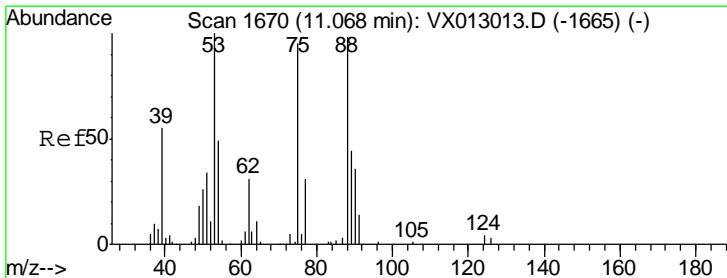
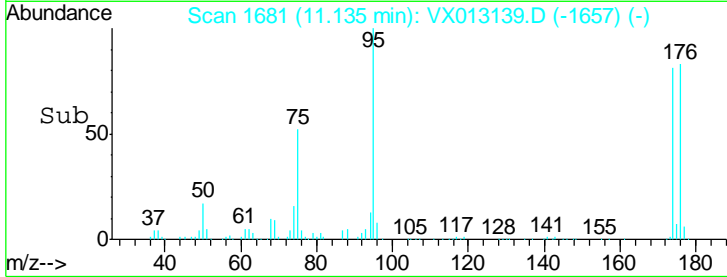
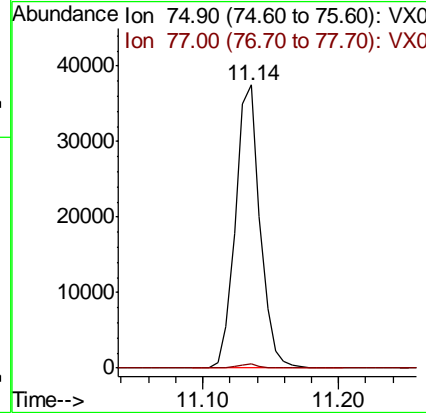
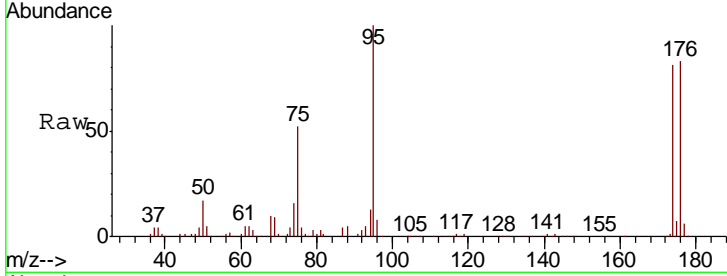




#76  
 1,2,3-Trichloropropane  
 Concen: 26.489 ug/l  
 RT: 11.14 min Scan# 1681  
 Delta R.T. -0.15 min  
 Lab File: VX013139.D  
 Acq: 18 Oct 2019 19:51

Instrument : MSVOA\_X  
 ClientSampled : FA19-JPZ0341

Tgt Ion: 75 Resp: 46997  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 22.9 68.8#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 66.635 ug/l  
 RT: 11.14 min Scan# 1681  
 Delta R.T. 0.07 min  
 Lab File: VX013139.D  
 Acq: 18 Oct 2019 19:51

Tgt Ion: 75 Resp: 46997  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 78.5 117.7#  
 89 0.0 37.4 56.2#

