

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042920\  
 Data File : VX015978.D  
 Acq On : 29 Apr 2020 15:40  
 Operator : JC/SP  
 Sample : L2405-06  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Apr 30 05:35:40 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042820W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 28 17:30:11 2020  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	270737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	440567	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	425802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	224681	50.00	ug/l	0.00

## System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	175079	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
35) Dibromofluoromethane	5.46	113	132340	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
50) Toluene-d8	8.70	98	536040	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
62) 4-Bromofluorobenzene	11.12	95	213286	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	

## Target Compounds

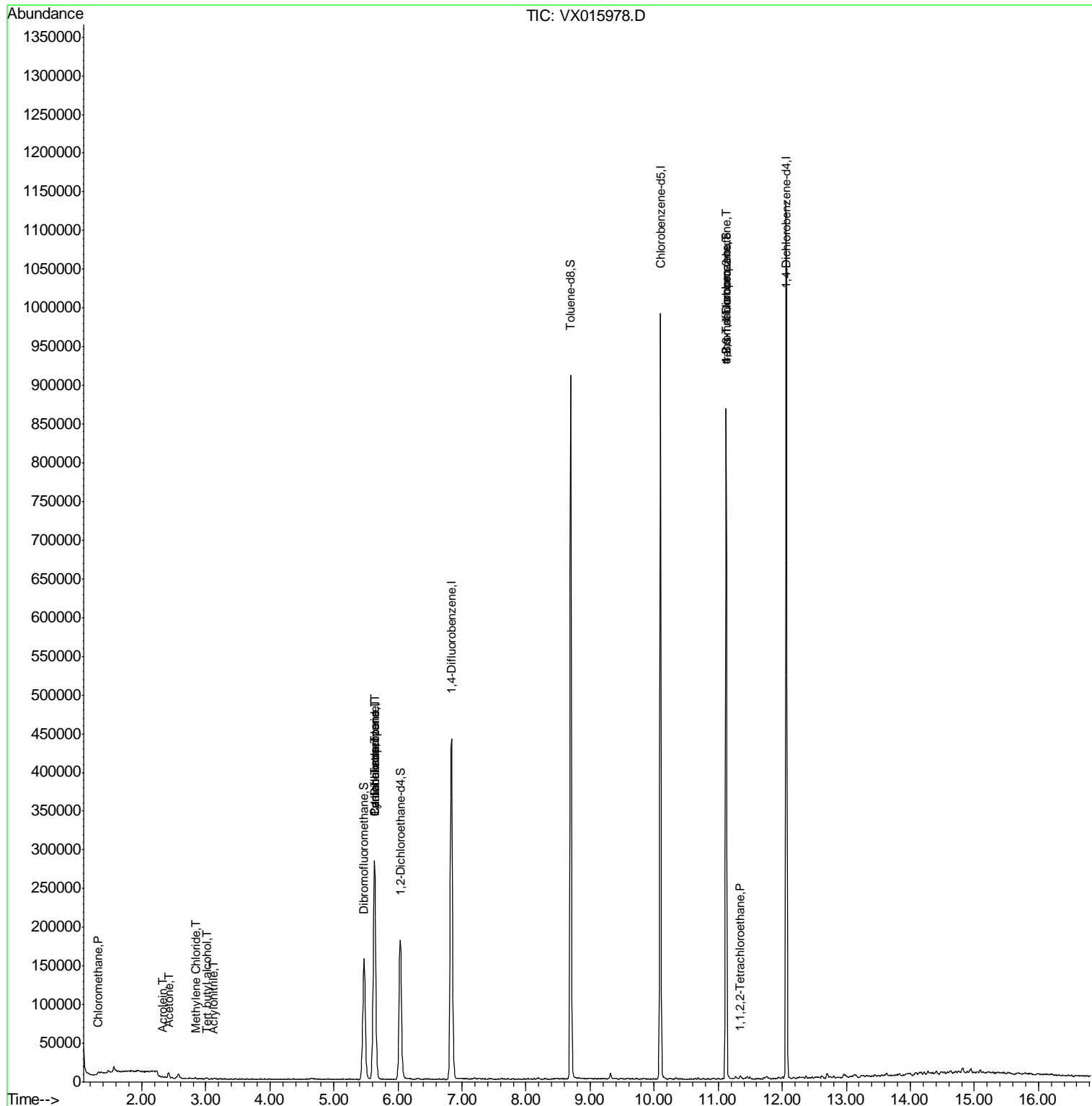
					Qvalue	
3) Chloromethane	1.31	50	1178	0.401	ug/l	98
11) Tert butyl alcohol	3.01	59	1047	1.218	ug/l #	85
13) Acrolein	2.34	56	105	0.486	ug/l #	33
15) Acrylonitrile	3.12	53	396	0.232	ug/l #	81
16) Acetone	2.42	43	6746	4.457	ug/l	99
20) Methylene Chloride	2.83	84	623	0.208	ug/l #	71
31) Cyclohexane	5.64	56	6344	1.393	ug/l #	9
36) 1,1-Dichloropropene	5.64	75	21014	5.008	ug/l #	50
38) Carbon Tetrachloride	5.64	117	27129	6.121	ug/l #	15
75) 1,1,2,2-Tetrachloroethane	11.35	83	114	3.731	ug/l #	25
76) 1,2,3-Trichloropropane	11.12	75	114957	24.383	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	114957	57.622	ug/l #	10

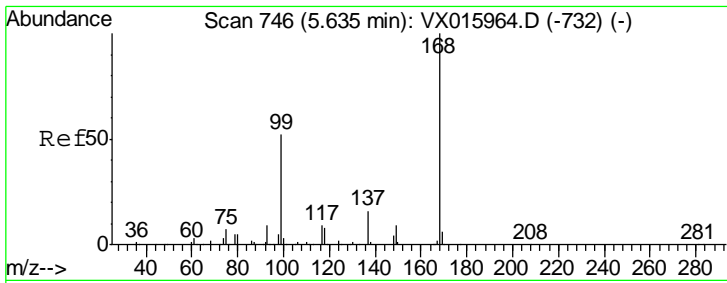
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 MSVOA\_X  
 ClientSampled :

Quant Time: Apr 30 05:35:40 2020  
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 Response via : Initial Calibration

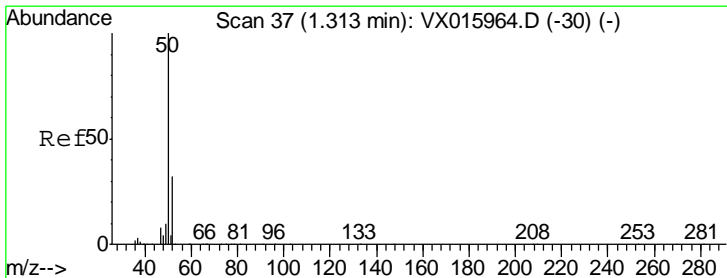
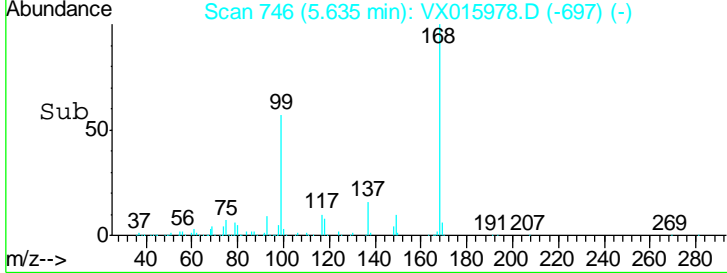
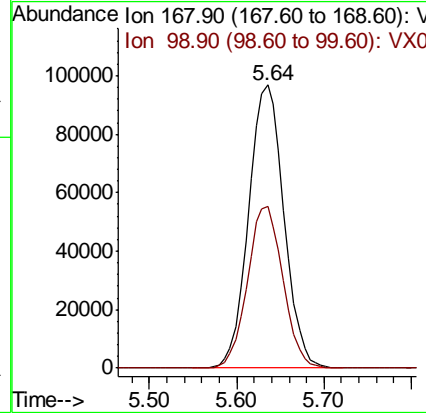
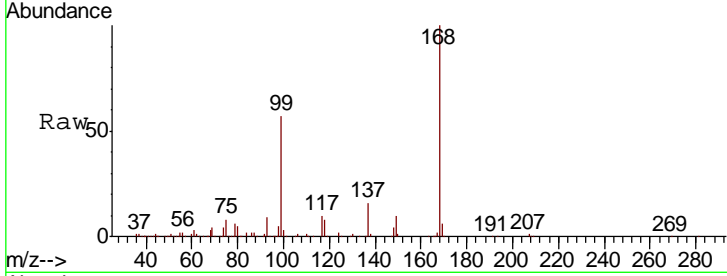




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.64 min Scan# 746  
 Delta R.T. 0.00 min  
 Lab File: VX015978.D  
 Acq: 29 Apr 2020 15:40

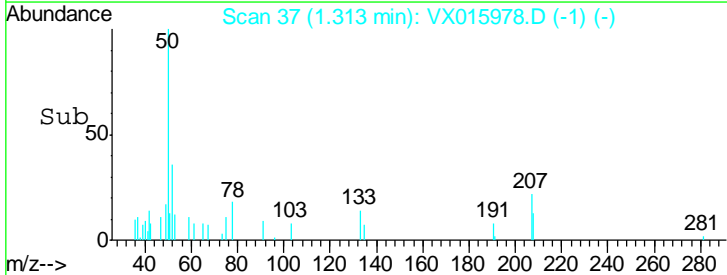
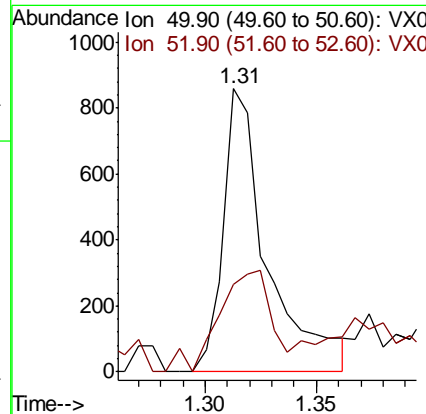
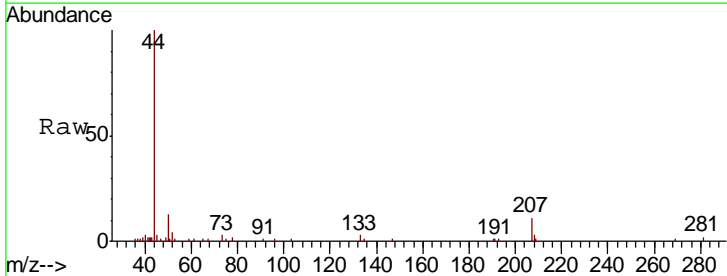
Instrument :  
 MSVOA\_X  
 ClientSampled :

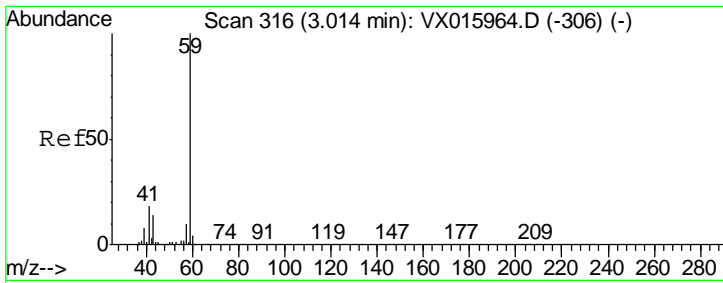
Tgt Ion: 168 Resp: 270737  
 Ion Ratio Lower Upper  
 168 100  
 99 57.3 41.7 62.5



#3  
 Chloromethane  
 Concen: 0.401 ug/l  
 RT: 1.31 min Scan# 37  
 Delta R.T. 0.00 min  
 Lab File: VX015978.D  
 Acq: 29 Apr 2020 15:40

Tgt Ion: 50 Resp: 1178  
 Ion Ratio Lower Upper  
 50 100  
 52 30.9 25.5 38.3

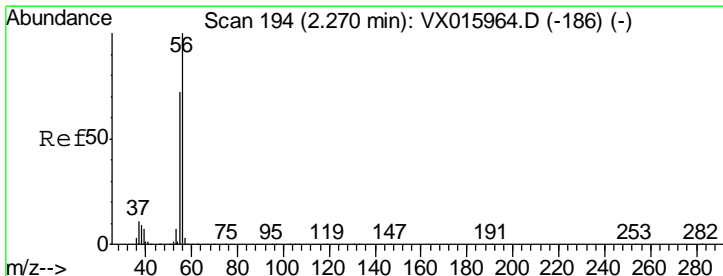
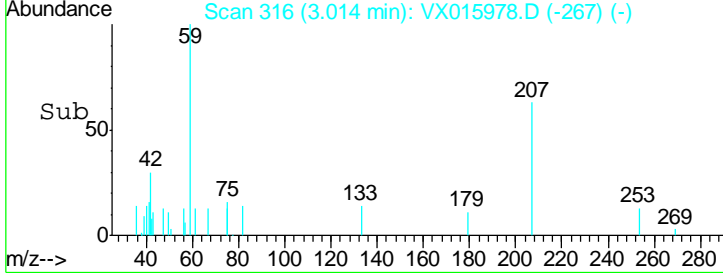
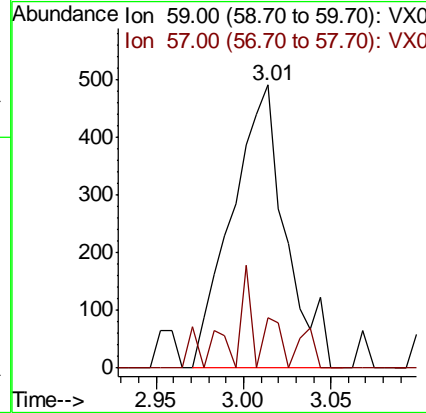
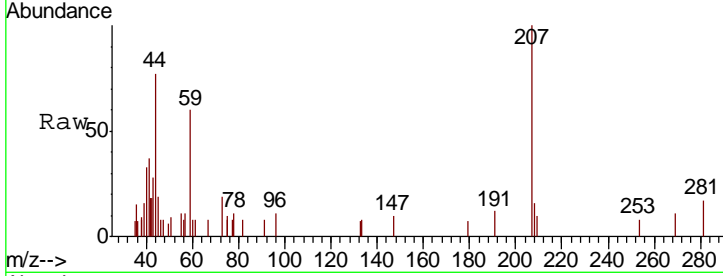




#11  
 Tert butyl alcohol  
 Concen: 1.218 ug/l  
 RT: 3.01 min Scan# 316  
 Delta R.T. 0.00 min  
 Lab File: VX015978.D  
 Acq: 29 Apr 2020 15:40

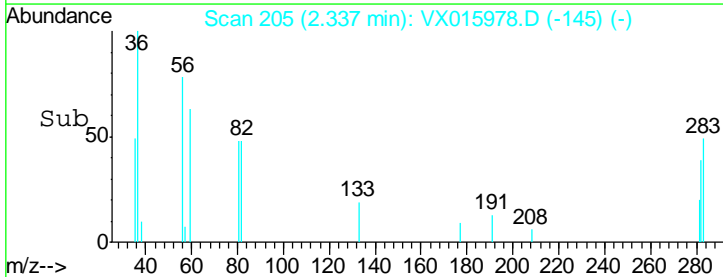
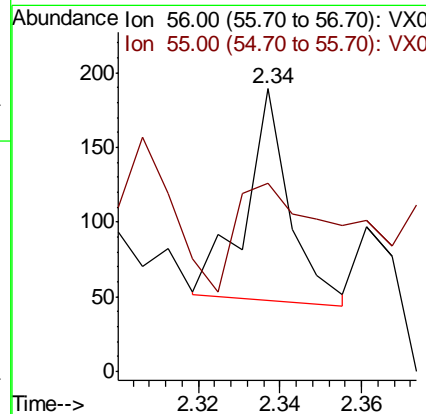
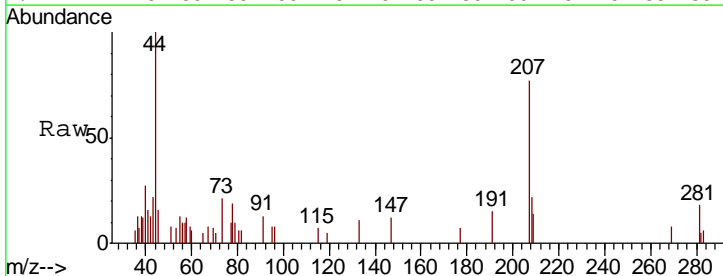
Instrument : MSVOA\_X  
 ClientSampled :

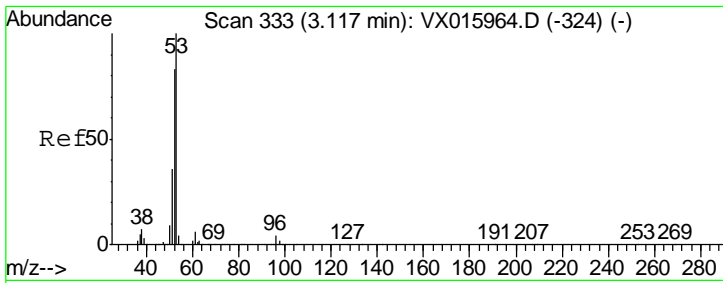
Tgt Ion: 59 Resp: 1047  
 Ion Ratio Lower Upper  
 59 100  
 57 16.0 8.3 12.5#



#13  
 Acrolein  
 Concen: 0.486 ug/l  
 RT: 2.34 min Scan# 205  
 Delta R.T. 0.07 min  
 Lab File: VX015978.D  
 Acq: 29 Apr 2020 15:40

Tgt Ion: 56 Resp: 105  
 Ion Ratio Lower Upper  
 56 100  
 55 126.7 56.9 85.3#

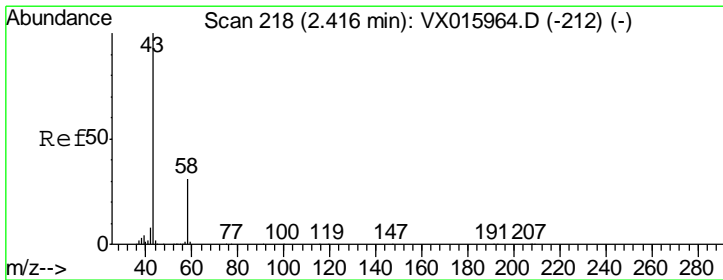
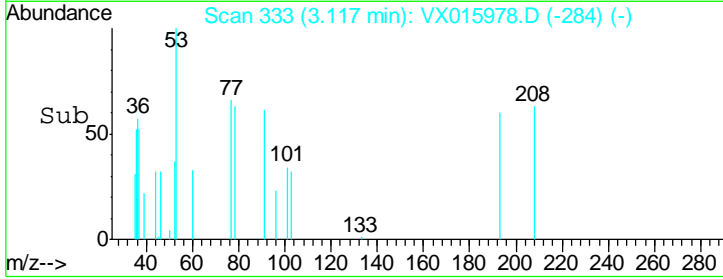
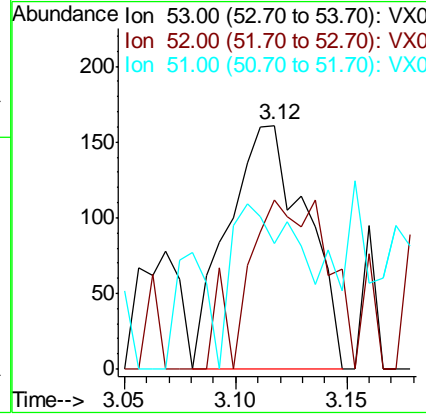
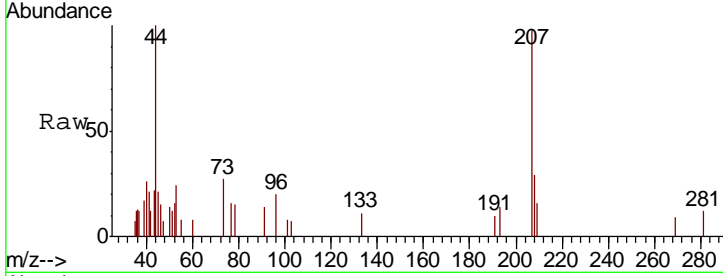




#15  
 Acrylonitrile  
 Concen: 0.232 ug/l  
 RT: 3.12 min Scan# 333  
 Delta R.T. 0.00 min  
 Lab File: VX015978.D  
 Acq: 29 Apr 2020 15:40

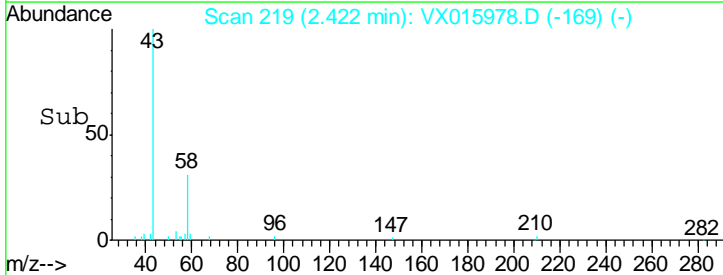
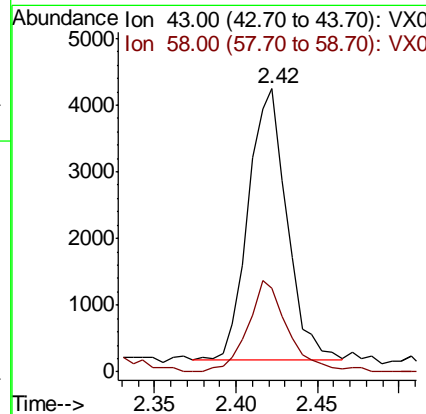
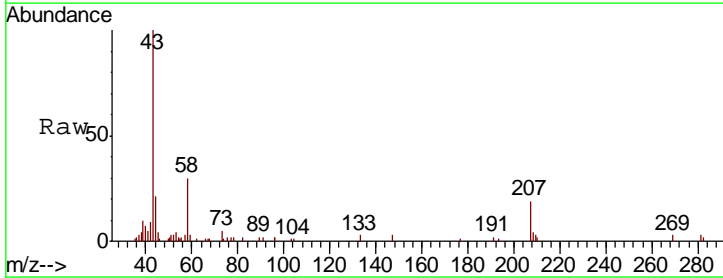
Instrument :  
 MSVOA\_X  
 ClientSampled :

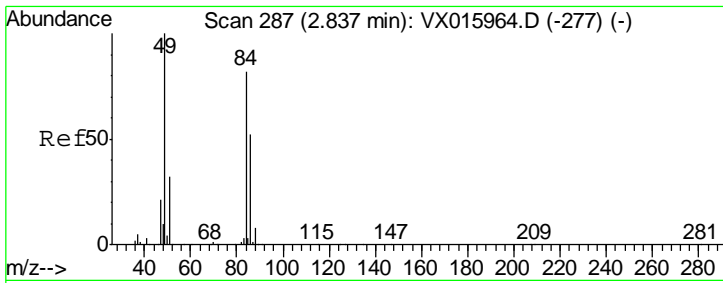
Tgt Ion	Resp	Lower	Upper
53	100		
52	71.5	65.5	98.3
51	57.3	28.7	43.1#



#16  
 Acetone  
 Concen: 4.457 ug/l  
 RT: 2.42 min Scan# 219  
 Delta R.T. 0.01 min  
 Lab File: VX015978.D  
 Acq: 29 Apr 2020 15:40

Tgt Ion	Resp	Lower	Upper
43	100		
58	30.8	25.1	37.7

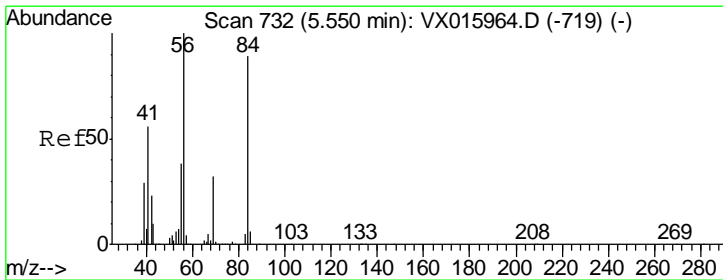
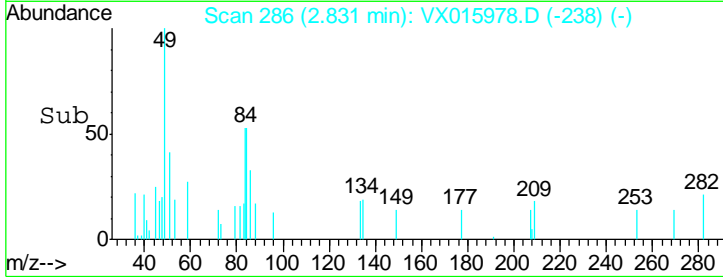
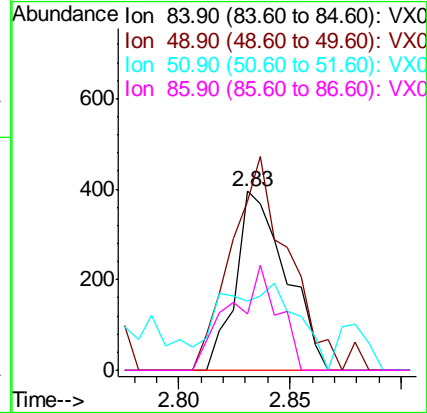
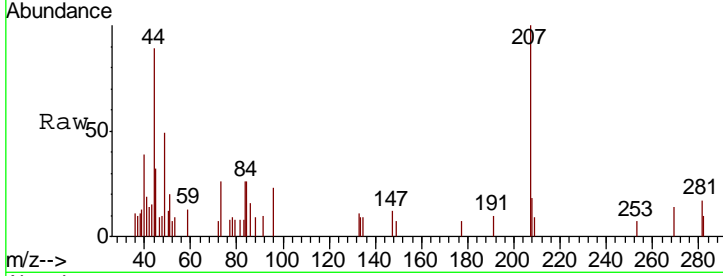




#20  
Methylene Chloride  
Concen: 0.208 ug/l  
RT: 2.83 min Scan# 286  
Delta R.T. -0.01 min  
Lab File: VX015978.D  
Acq: 29 Apr 2020 15:40

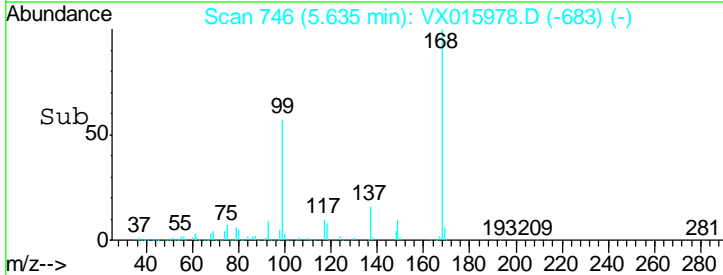
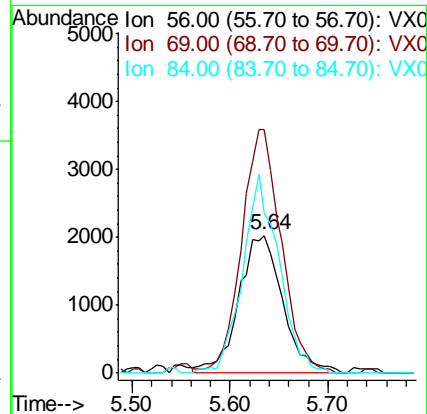
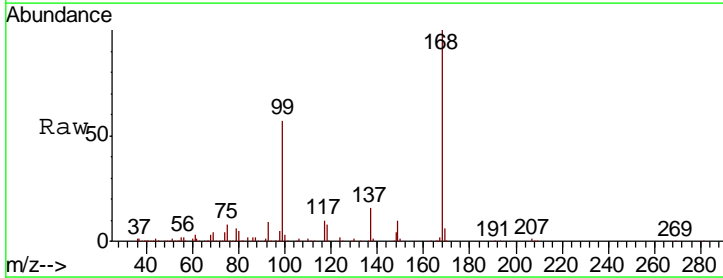
Instrument :  
MSVOA\_X  
ClientSampled :

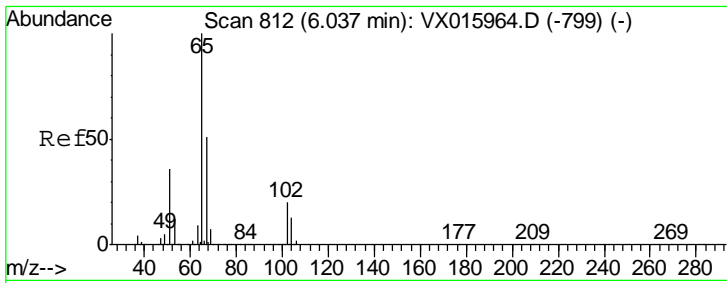
Tgt Ion	Resp	Lower	Upper
84	100		
49	94.7	97.9	146.9#
51	25.8	31.2	46.8#
86	31.6	50.7	76.1#



#31  
Cyclohexane  
Concen: 1.393 ug/l  
RT: 5.64 min Scan# 746  
Delta R.T. 0.09 min  
Lab File: VX015978.D  
Acq: 29 Apr 2020 15:40

Tgt Ion	Resp	Lower	Upper
56	100		
69	176.7	25.4	38.2#
84	116.6	71.0	106.6#

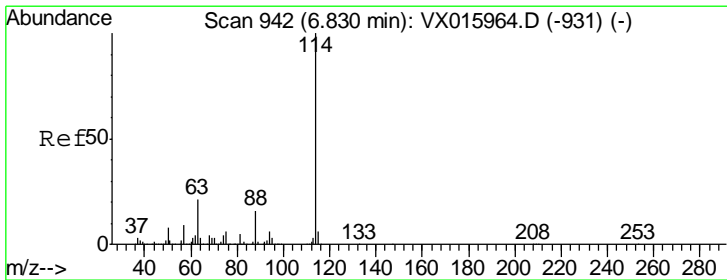
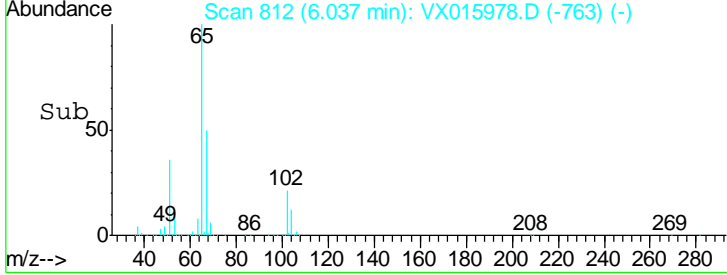
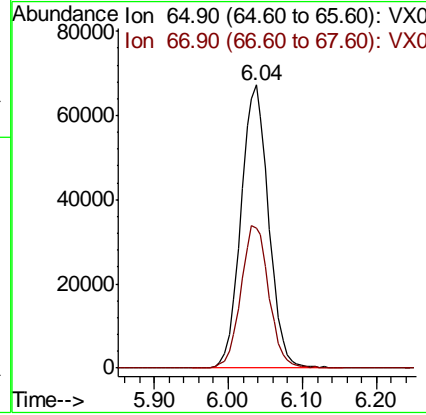
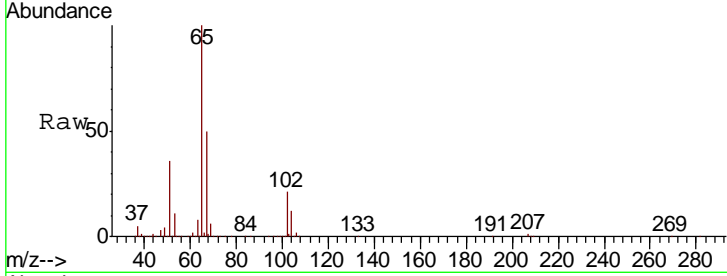




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.460 ug/l  
 RT: 6.04 min Scan# 812  
 Delta R.T. 0.00 min  
 Lab File: VX015978.D  
 Acq: 29 Apr 2020 15:40

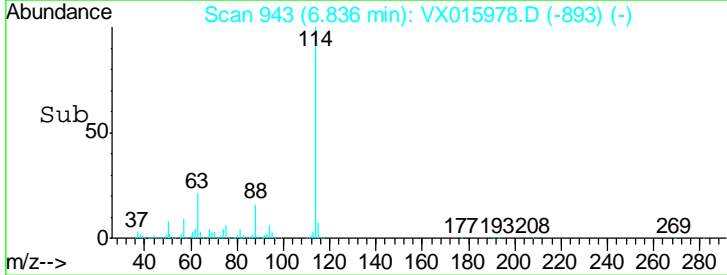
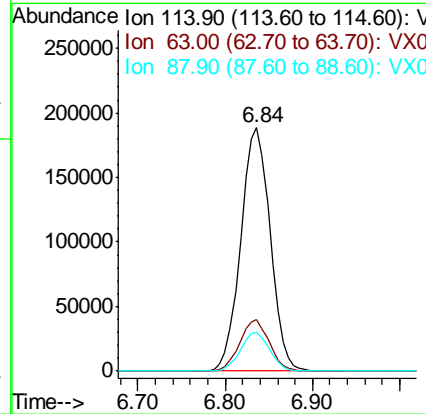
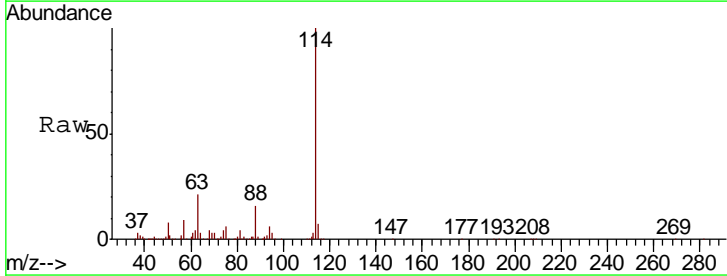
Instrument :  
 MSVOA\_X  
 ClientSampled :

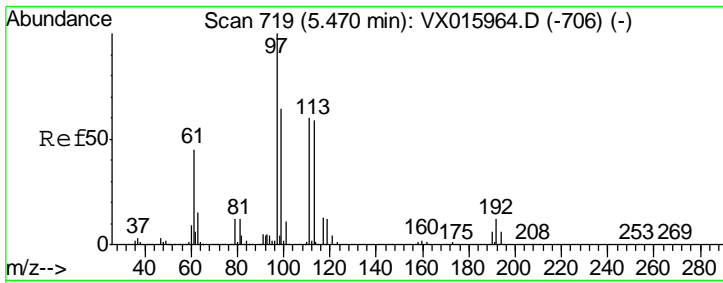
Tgt Ion	Resp	Lower	Upper
65	175079		
67	51.3	0.0	102.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.84 min Scan# 943  
 Delta R.T. 0.01 min  
 Lab File: VX015978.D  
 Acq: 29 Apr 2020 15:40

Tgt Ion	Resp	Lower	Upper
114	440567		
63	21.1	0.0	41.2
88	15.8	0.0	31.8

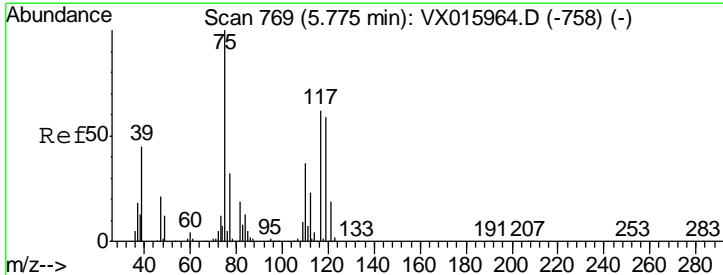
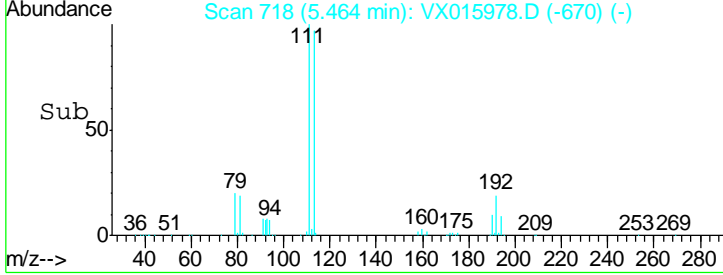
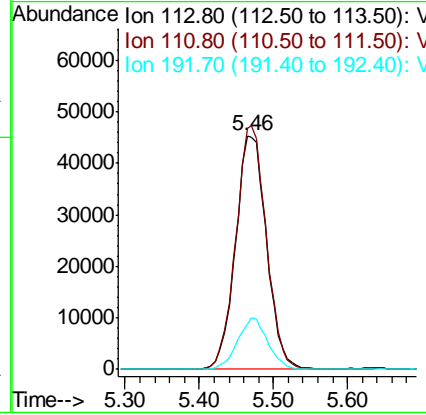
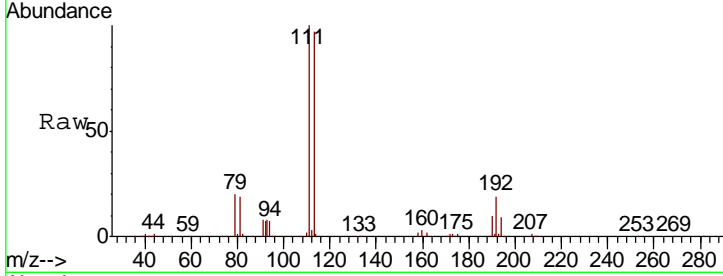




#35  
 Dibromofluoromethane  
 Concen: 48.154 ug/l  
 RT: 5.46 min Scan# 718  
 Delta R.T. -0.01 min  
 Lab File: VX015978.D  
 Acq: 29 Apr 2020 15:40

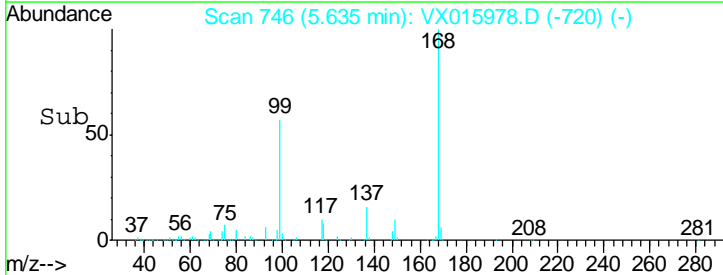
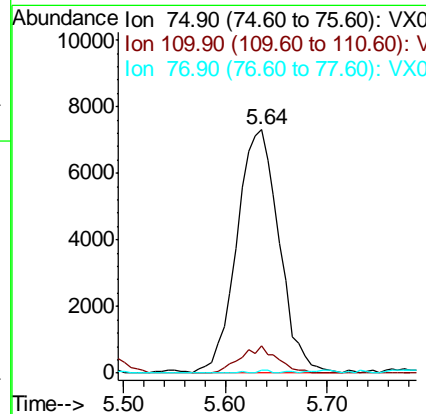
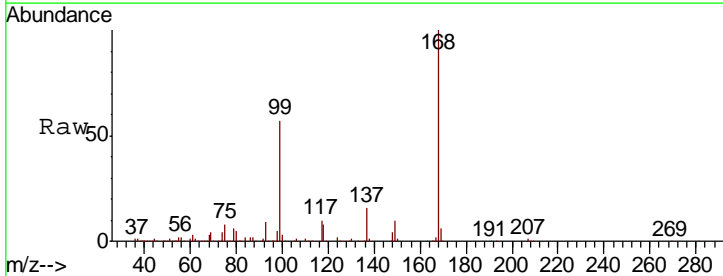
Instrument :  
 MSVOA\_X  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
113	132340		
111	102.2	81.8	122.8
192	21.5	16.8	25.2

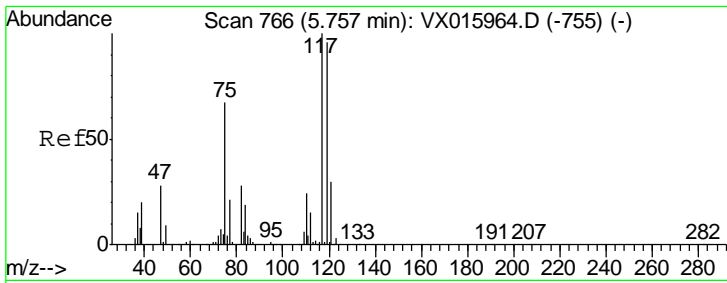


#36  
 1,1-Dichloropropene  
 Concen: 5.008 ug/l  
 RT: 5.64 min Scan# 746  
 Delta R.T. -0.14 min  
 Lab File: VX015978.D  
 Acq: 29 Apr 2020 15:40

Tgt Ion	Resp	Lower	Upper
75	21014		
110	9.7	17.9	53.7#
77	0.3	25.2	37.8#



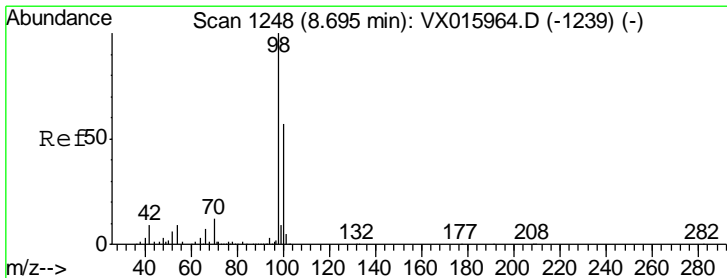
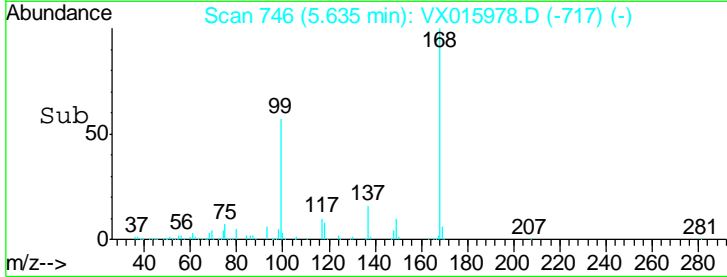
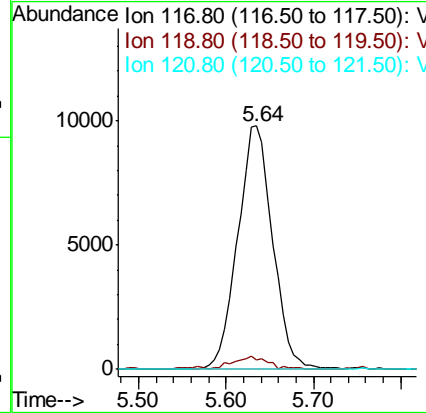
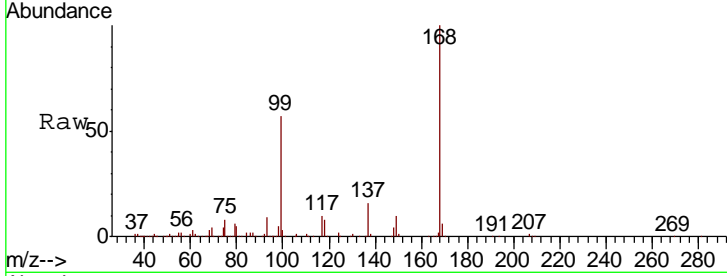




#38  
 Carbon Tetrachloride  
 Concen: 6.121 ug/l  
 RT: 5.64 min Scan# 746  
 Delta R.T. -0.12 min  
 Lab File: VX015978.D  
 Acq: 29 Apr 2020 15:40

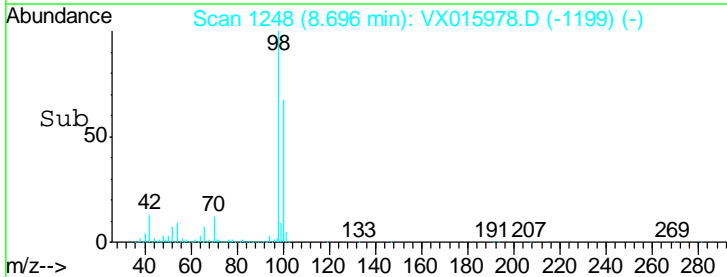
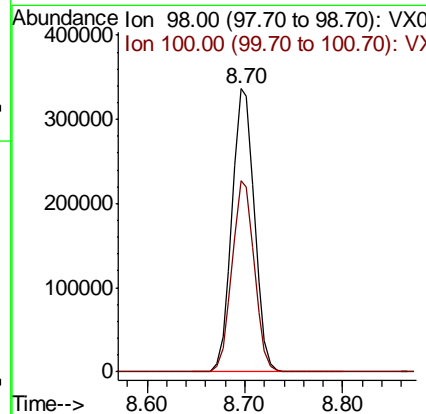
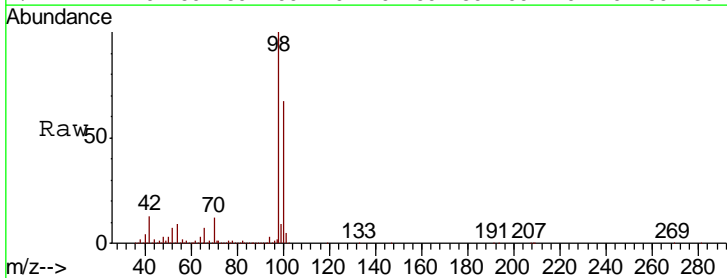
Instrument :  
 MSVOA\_X  
 ClientSampled :

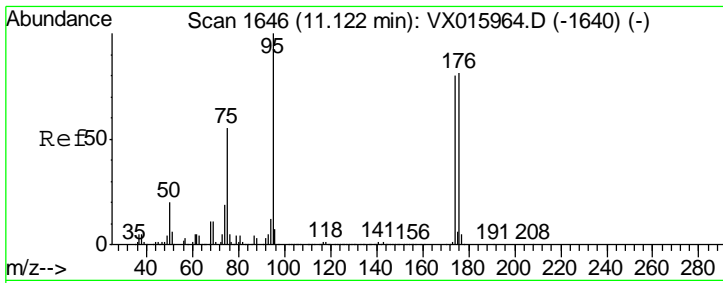
Tgt Ion	Resp	Lower	Upper
117	27129		
119	4.0	76.2	114.4#
121	0.0	24.2	36.4#



#50  
 Toluene-d8  
 Concen: 52.167 ug/l  
 RT: 8.70 min Scan# 1248  
 Delta R.T. 0.00 min  
 Lab File: VX015978.D  
 Acq: 29 Apr 2020 15:40

Tgt Ion	Resp	Lower	Upper
98	536040		
100	66.9	53.1	79.7

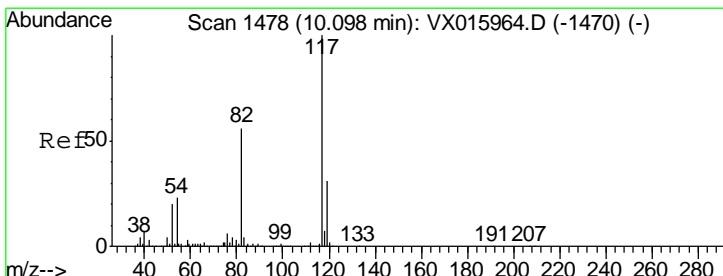
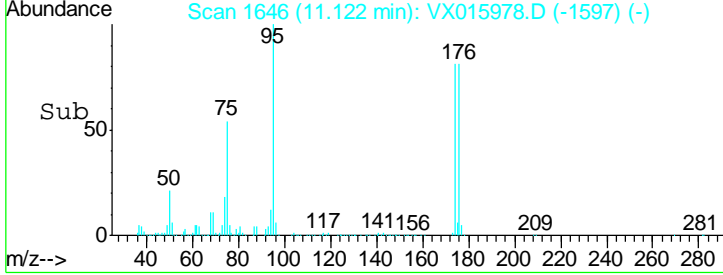
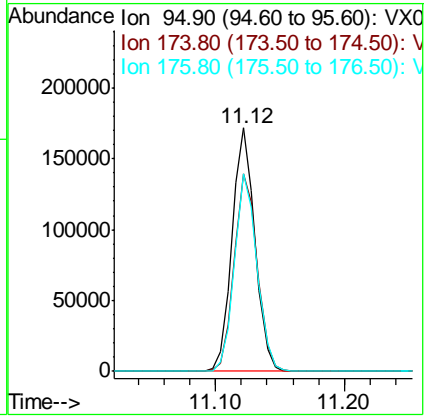
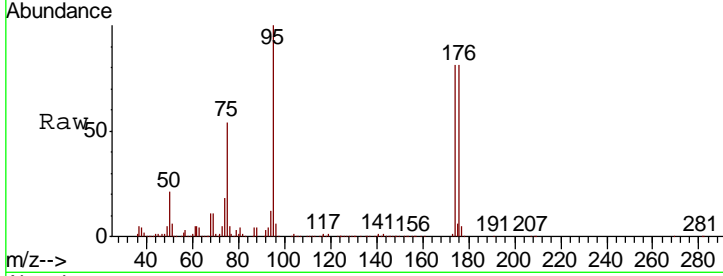




#62  
 4-Bromofluorobenzene  
 Concen: 52.922 ug/l  
 RT: 11.12 min Scan# 1646  
 Delta R.T. 0.00 min  
 Lab File: VX015978.D  
 Acq: 29 Apr 2020 15:40

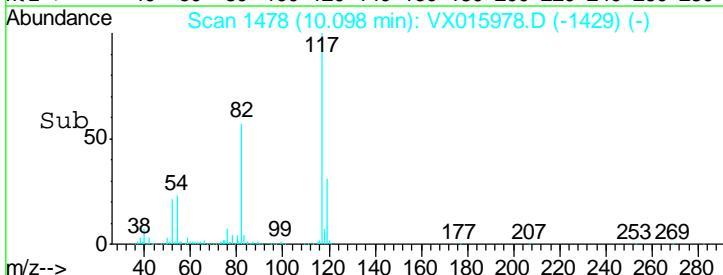
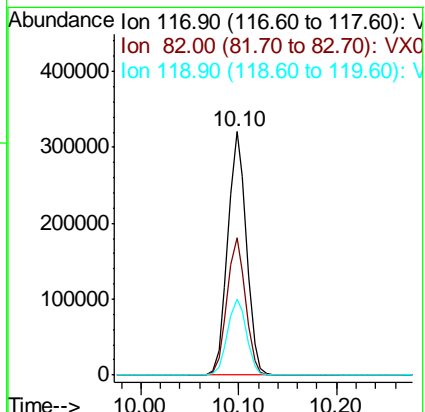
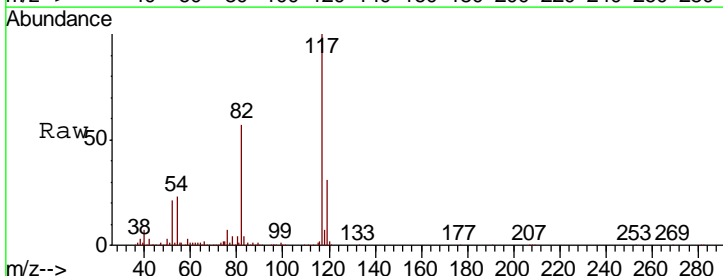
Instrument :  
 MSVOA\_X  
 ClientSampled :

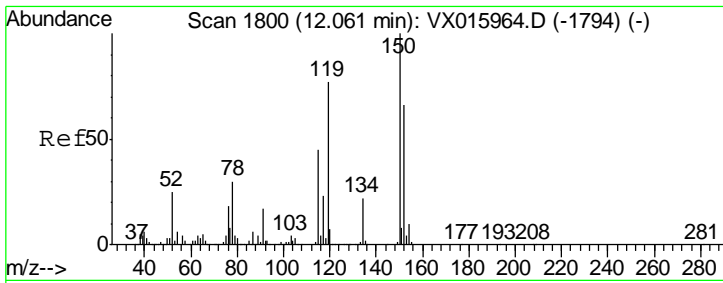
Tgt Ion	Resp	Lower	Upper
95	213286		
174	81.7	0.0	165.0
176	79.9	0.0	163.2



#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 10.10 min Scan# 1478  
 Delta R.T. 0.00 min  
 Lab File: VX015978.D  
 Acq: 29 Apr 2020 15:40

Tgt Ion	Resp	Lower	Upper
117	425802		
82	56.6	44.5	66.7
119	31.2	25.0	37.6

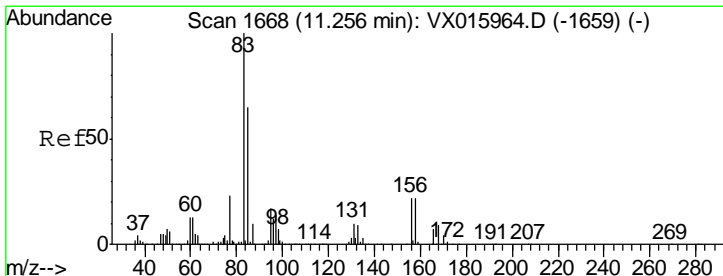
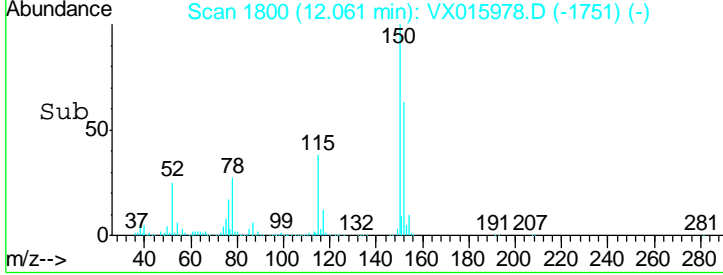
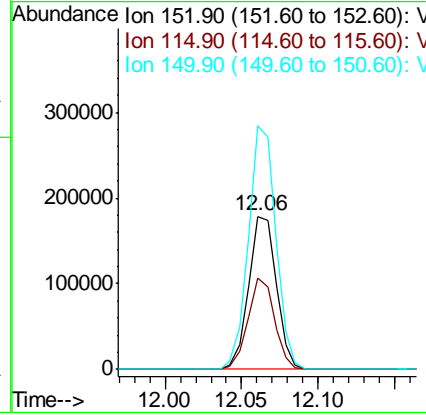
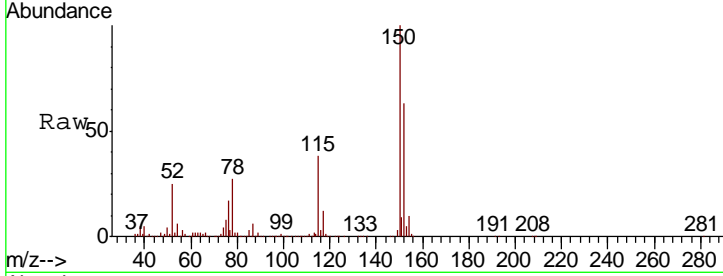




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.06 min Scan# 1800  
 Delta R.T. 0.00 min  
 Lab File: VX015978.D  
 Acq: 29 Apr 2020 15:40

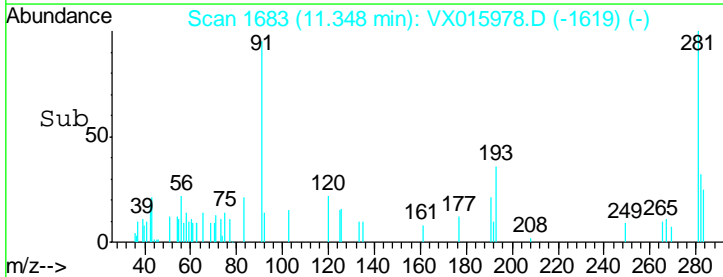
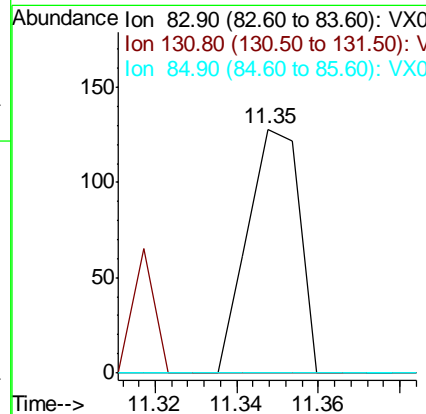
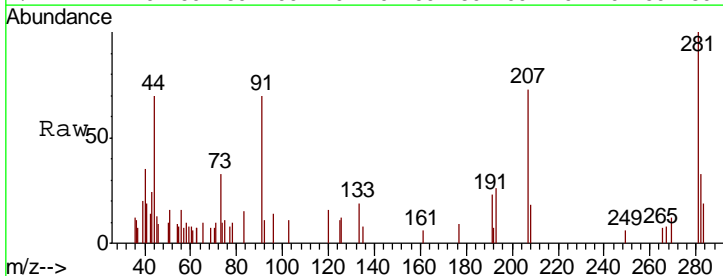
Instrument : MSVOA\_X  
 ClientSampled :

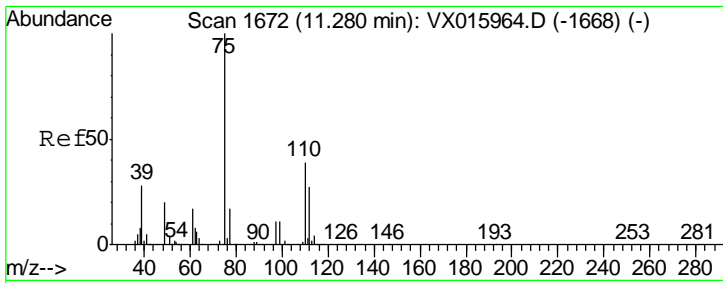
Tgt Ion	Resp	Lower	Upper
152	100		
115	57.6	40.9	122.7
150	157.6	0.0	342.4



#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 3.731 ug/l  
 RT: 11.35 min Scan# 1683  
 Delta R.T. 0.09 min  
 Lab File: VX015978.D  
 Acq: 29 Apr 2020 15:40

Tgt Ion	Resp	Lower	Upper
83	100		
131	0.0	5.1	15.4#
85	0.0	32.2	96.6#

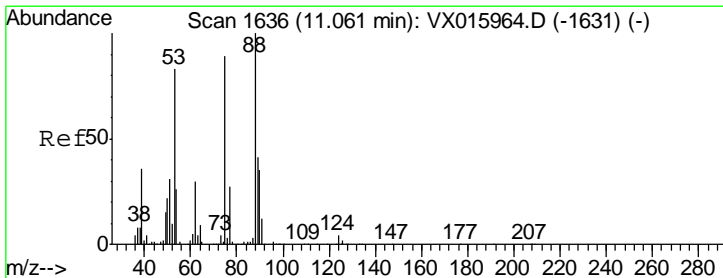
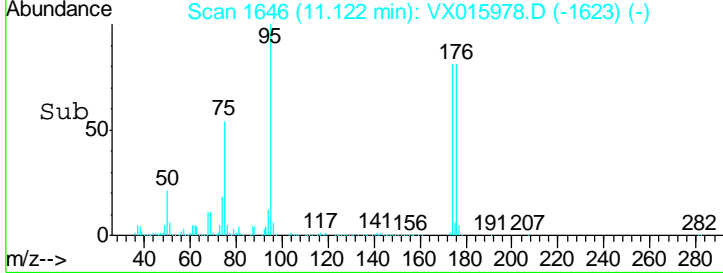
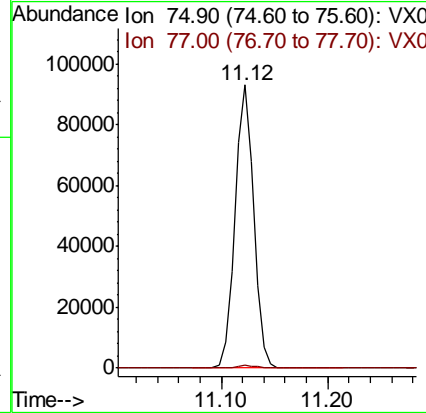
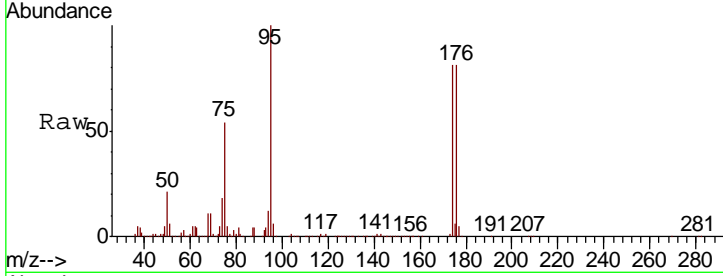




#76  
 1,2,3-Trichloropropane  
 Concen: 24.383 ug/l  
 RT: 11.12 min Scan# 1646  
 Delta R.T. -0.16 min  
 Lab File: VX015978.D  
 Acq: 29 Apr 2020 15:40

Instrument : MSVOA\_X  
 Client Sampled :

Tgt Ion	Resp	Lower	Upper
75	100		
77	1.4	21.6	65.0#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 57.622 ug/l  
 RT: 11.12 min Scan# 1646  
 Delta R.T. 0.06 min  
 Lab File: VX015978.D  
 Acq: 29 Apr 2020 15:40

Tgt Ion	Resp	Lower	Upper
75	100		
53	0.1	78.3	117.5#
89	0.0	37.2	55.8#

