

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102918\
 Data File : VX005664.D
 Acq On : 29 Oct 2018 16:57
 Operator : JC/MD
 Sample : J5718-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 WS-CFA-111C

Quant Time: Oct 30 02:00:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	218214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	311711	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	278599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	137919	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	137154	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
35) Dibromofluoromethane	5.51	113	103516	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
50) Toluene-d8	8.71	98	368468	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
62) 4-Bromofluorobenzene	11.14	95	124925	43.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.24%	

Target Compounds

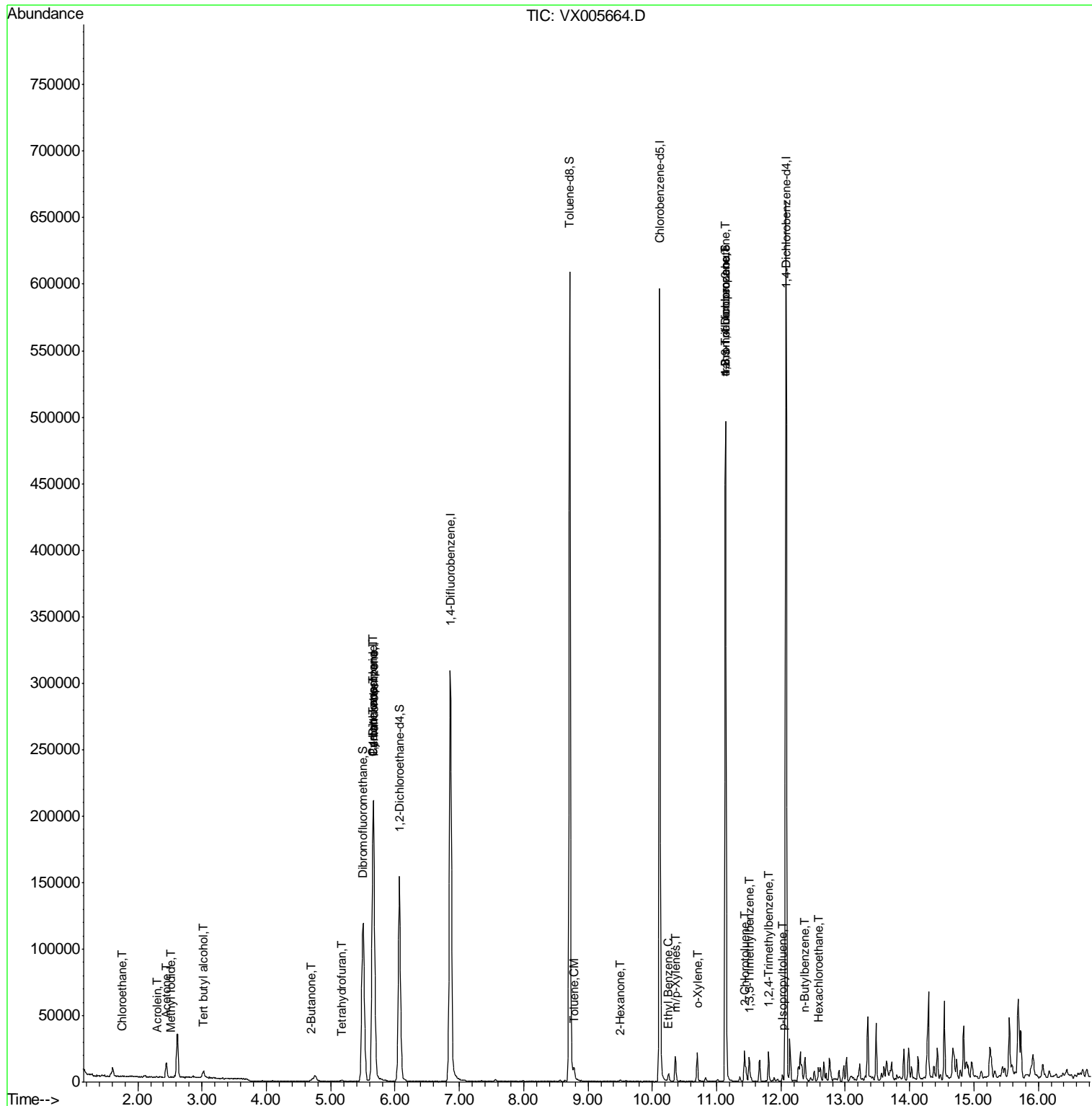
						Qvalue
6) Chloroethane	1.75	64	1250	0.725	ug/l #	42
10) Methyl Iodide	2.51	142	268	2.838	ug/l #	83
11) Tert butyl alcohol	3.01	59	3262	4.551	ug/l #	77
13) Acrolein	2.30	56	98	0.268	ug/l #	1
16) Acetone	2.45	43	12520	8.895	ug/l	95
18) Methyl Acetate	2.78	43	402	Below Cal	#	77
25) 2-Butanone	4.70	43	3050	1.423	ug/l #	49
29) Tetrahydrofuran	5.17	42	670	0.480	ug/l #	52
31) Cyclohexane	5.66	56	4274	1.190	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15027	4.968	ug/l #	50
38) Carbon Tetrachloride	5.66	117	20415	6.408	ug/l #	15
52) Toluene	8.79	92	2159	0.410	ug/l	98
59) 2-Hexanone	9.51	43	883	0.288	ug/l	76
67) Ethyl Benzene	10.26	91	3344	0.343	ug/l	100
68) m/p-Xylenes	10.36	106	4478	1.182	ug/l	96
69) o-Xylene	10.70	106	4414	1.239	ug/l	100
76) 1,2,3-Trichloropropane	11.14	75	63097	21.592	ug/l #	36
79) 2-Chlorotoluene	11.43	91	2016	0.337	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.51	105	7376	1.023	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.14	75	63097	70.554	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.80	105	9838	1.346	ug/l	99
86) p-Isopropyltoluene	12.02	119	1615	0.211	ug/l	98
89) n-Butylbenzene	12.37	91	1909	0.276	ug/l #	9
90) Hexachloroethane	12.58	117	523	0.395	ug/l #	2

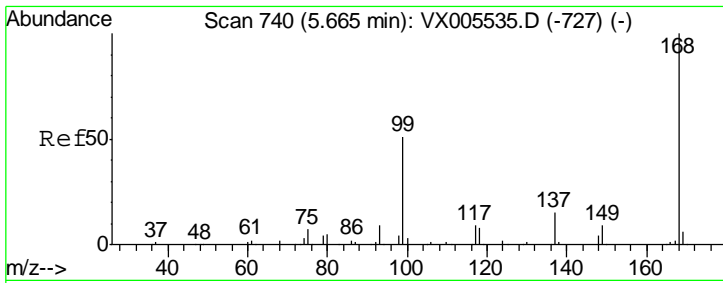
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 WS-CFA-111C

Quant Time: Oct 30 02:00:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

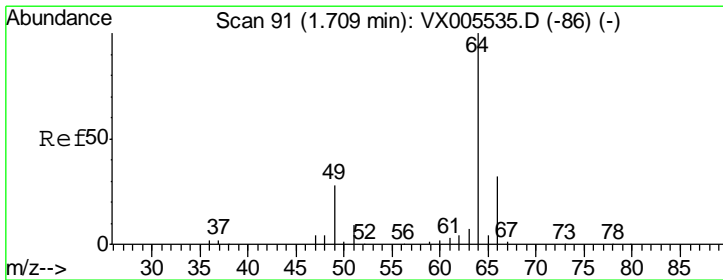
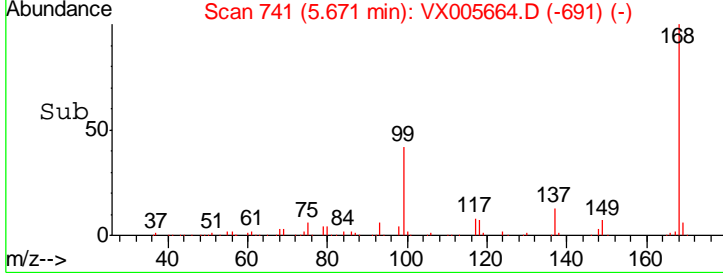
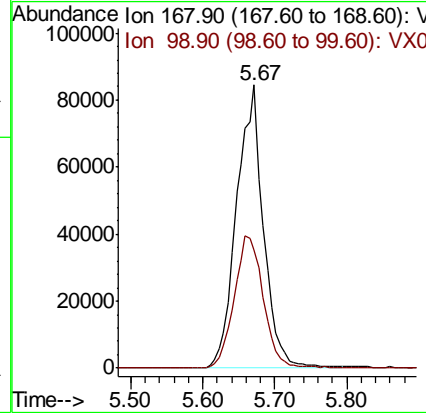
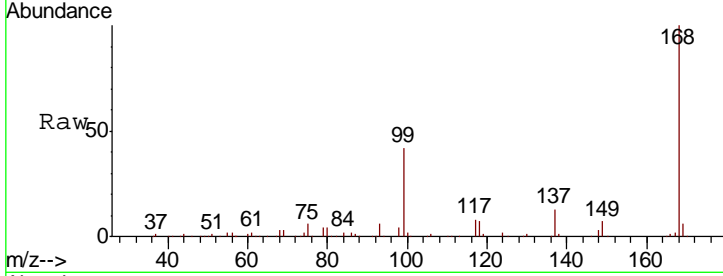




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 741
 Delta R.T. 0.01 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

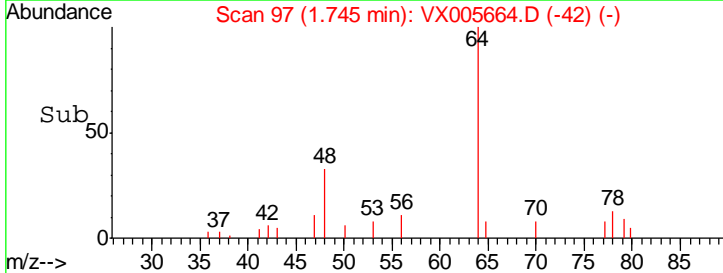
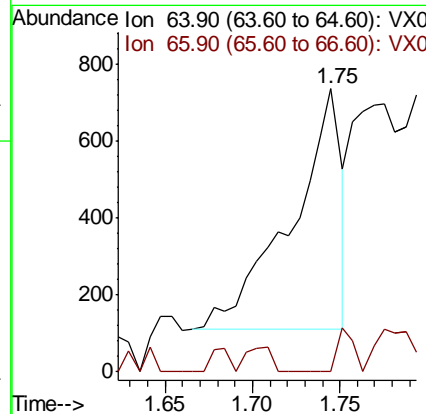
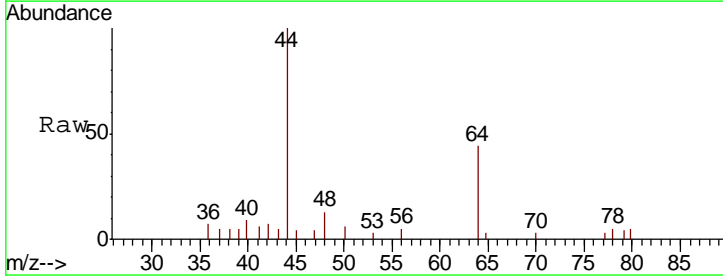
Instrument : MSVOA_X
 ClientSampleID : WS-CFA-111C

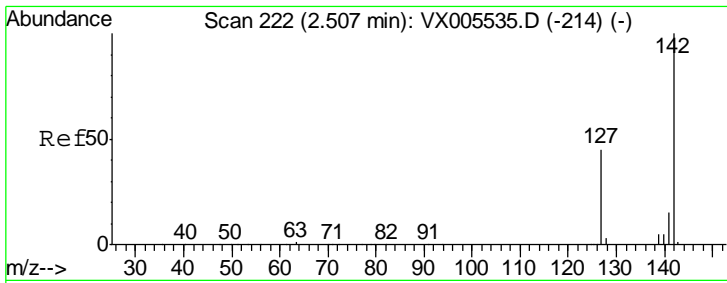
Tgt Ion	Resp	Lower	Upper
168	100		
99	41.9	40.7	61.1



#6
 Chloroethane
 Concen: 0.725 ug/l
 RT: 1.75 min Scan# 97
 Delta R.T. 0.04 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

Tgt Ion	Resp	Lower	Upper
64	100		
66	0.0	25.8	38.6#

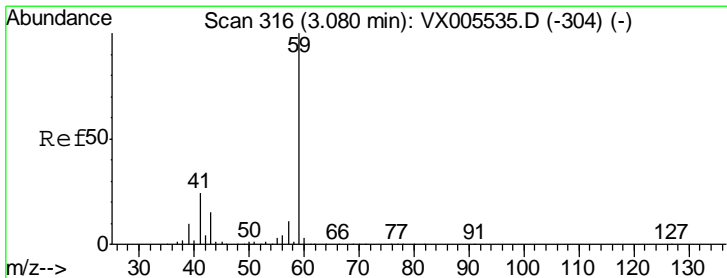
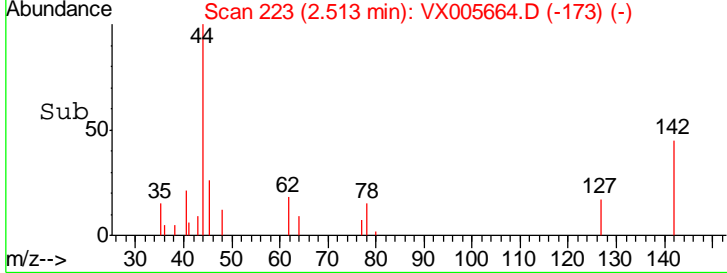
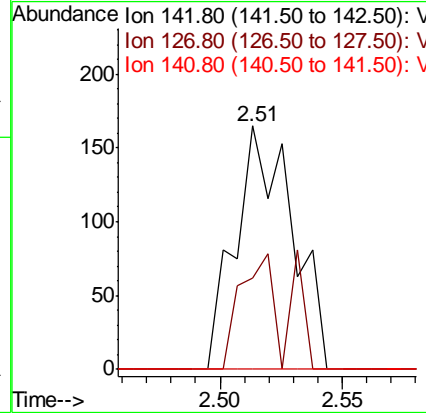
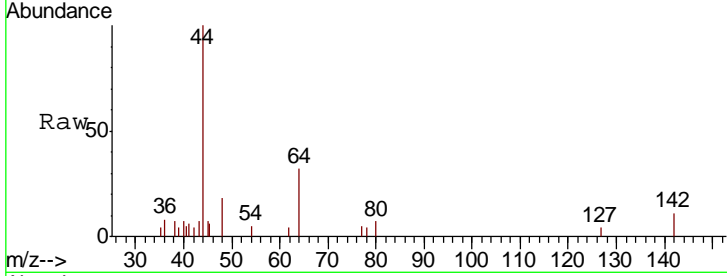




#10
 Methyl Iodide
 Concen: 2.838 ug/l
 RT: 2.51 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

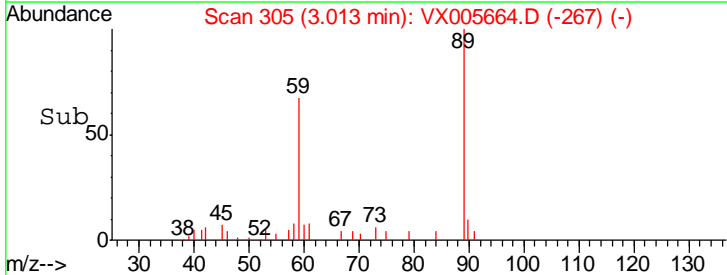
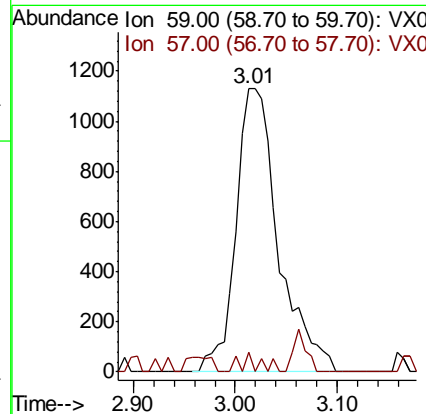
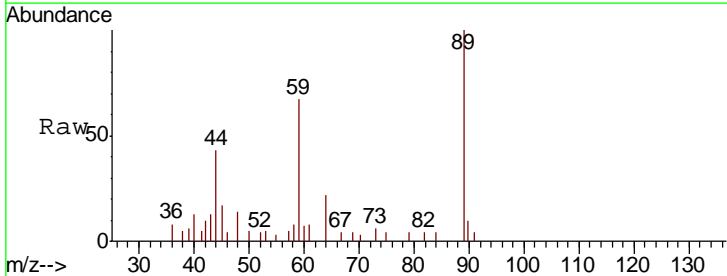
Instrument :
 MSVOA_X
 ClientSampled :
 WS-CFA-111C

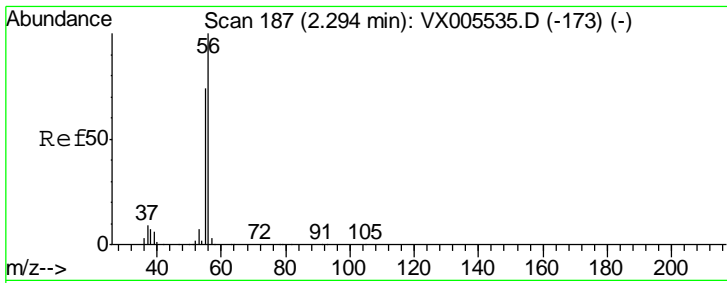
Tgt Ion	Resp	Lower	Upper
142	100		
127	38.1	36.0	54.0
141	0.0	11.7	17.5#



#11
 Tert butyl alcohol
 Concen: 4.551 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.07 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

Tgt Ion	Resp	Lower	Upper
59	100		
57	2.1	8.5	12.7#

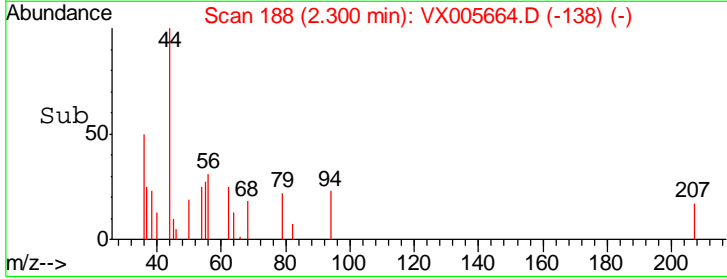
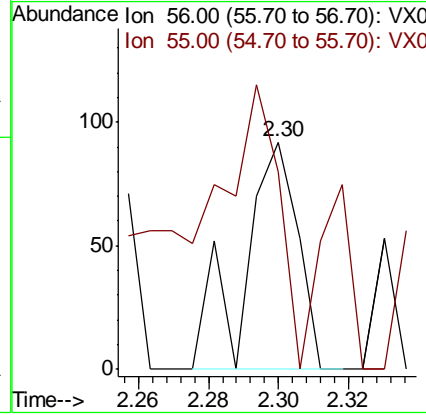
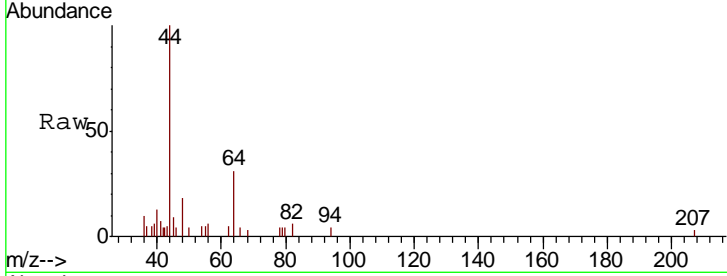




#13
 Acrolein
 Concen: 0.268 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

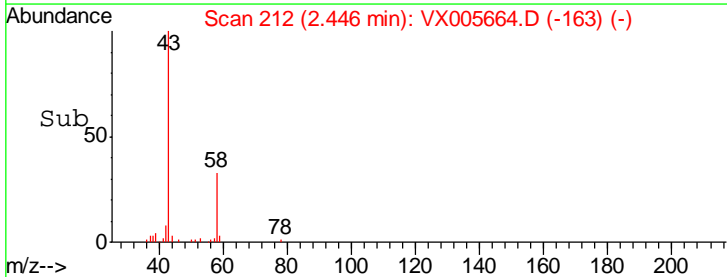
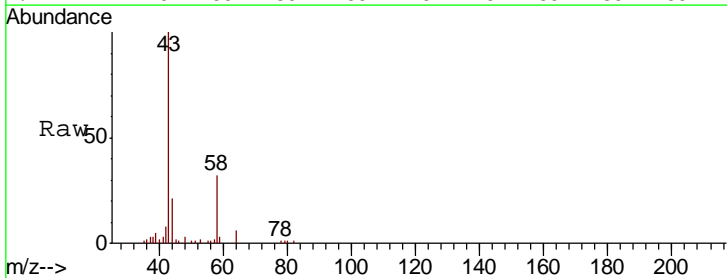
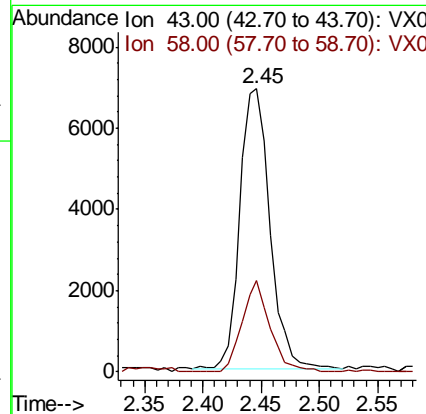
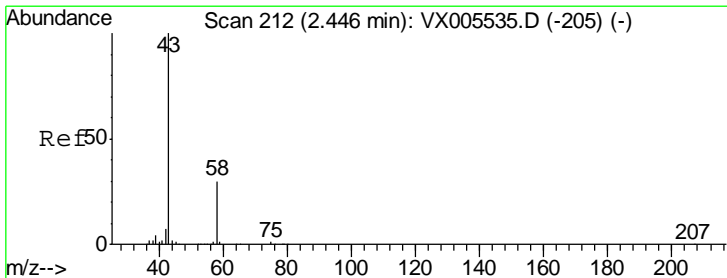
Instrument :
 MSVOA_X
 ClientSampled :
 WS-CFA-111C

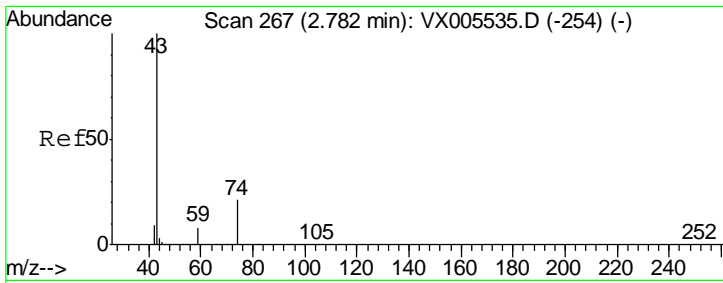
Tgt Ion: 56 Resp: 98
 Ion Ratio Lower Upper
 56 100
 55 208.2 57.3 85.9#



#16
 Acetone
 Concen: 8.895 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

Tgt Ion: 43 Resp: 12520
 Ion Ratio Lower Upper
 43 100
 58 32.6 23.8 35.6

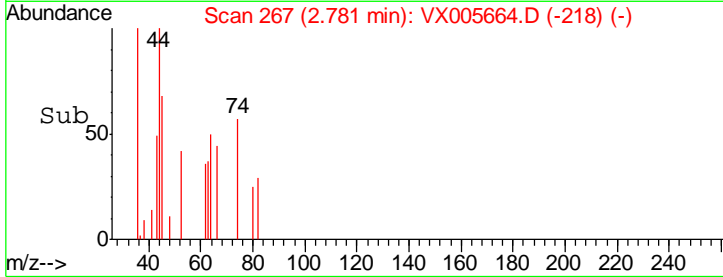
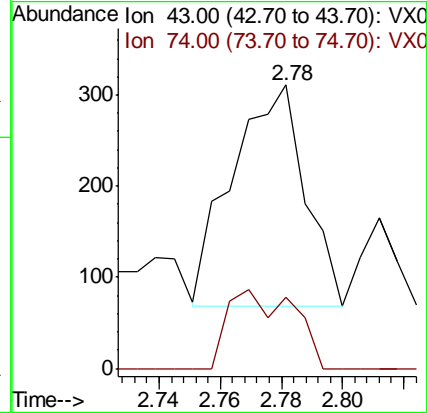
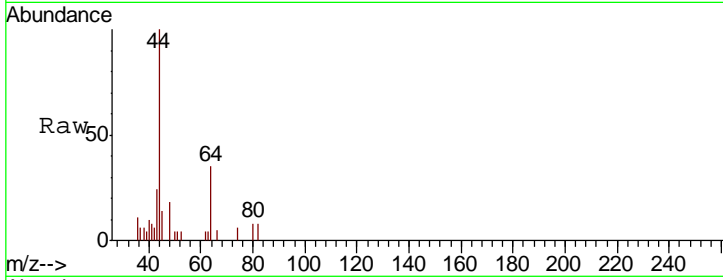




#18
 Methyl Acetate
 Concen: Below Cal
 RT: 2.78 min Scan# 267
 Delta R.T. 0.00 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

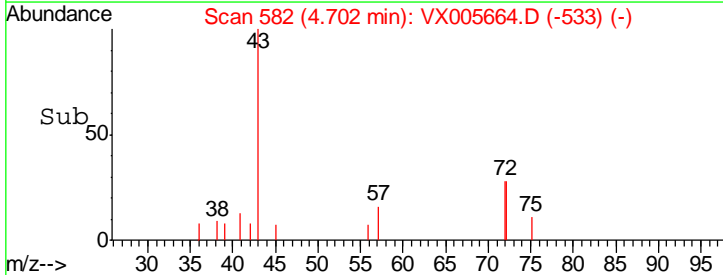
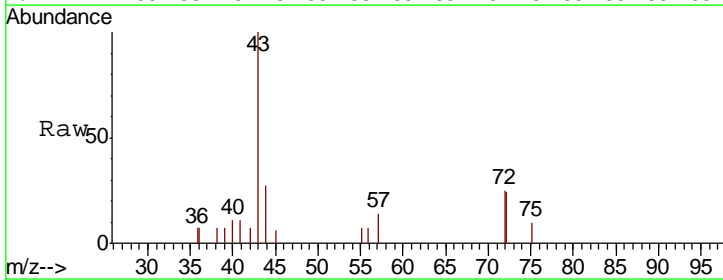
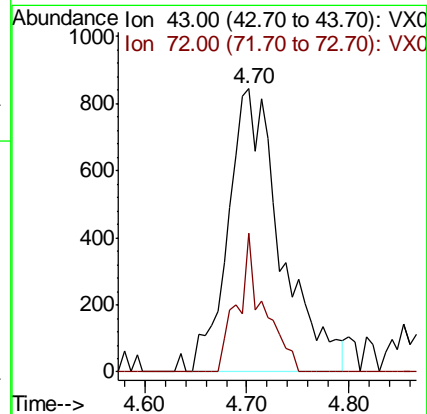
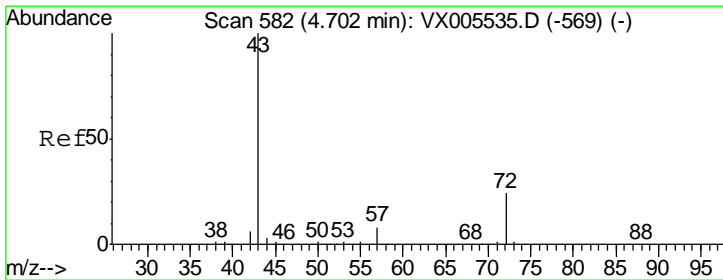
Instrument :
 MSVOA_X
 ClientSampled :
 WS-CFA-111C

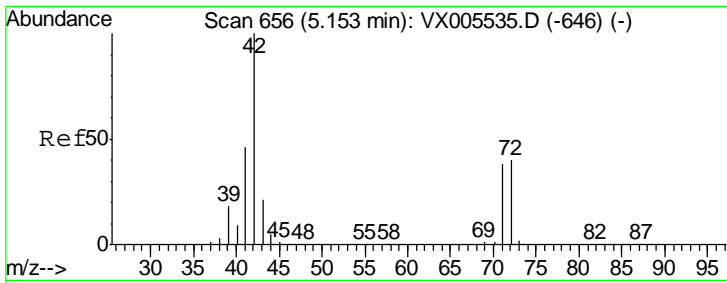
Tgt Ion: 43 Resp: 402
 Ion Ratio Lower Upper
 43 100
 74 31.6 16.8 25.2#



#25
 2-Butanone
 Concen: 1.423 ug/l
 RT: 4.70 min Scan# 582
 Delta R.T. -0.00 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

Tgt Ion: 43 Resp: 3050
 Ion Ratio Lower Upper
 43 100
 72 48.9 19.2 28.8#

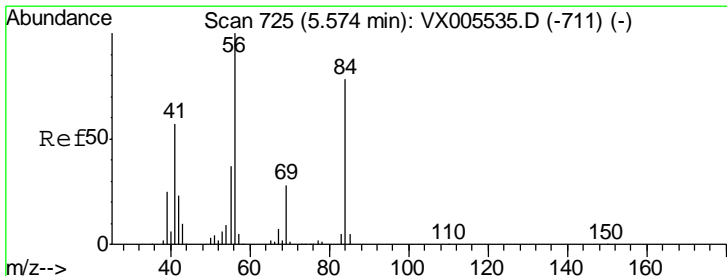
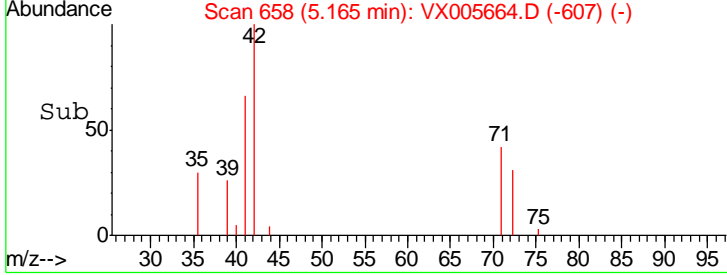
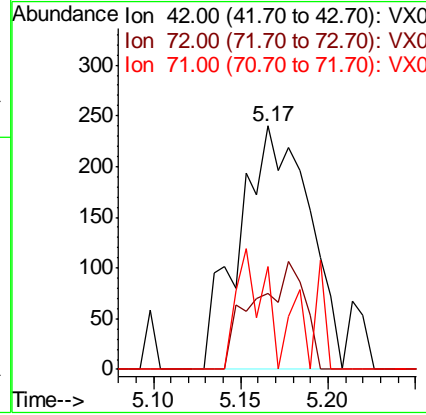
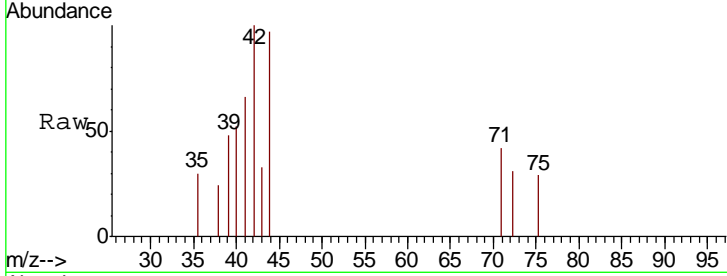




#29
 Tetrahydrofuran
 Concen: 0.480 ug/l
 RT: 5.17 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

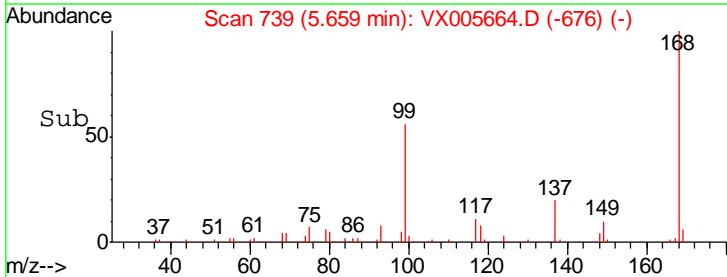
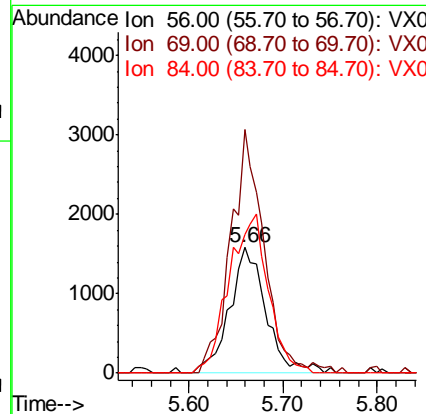
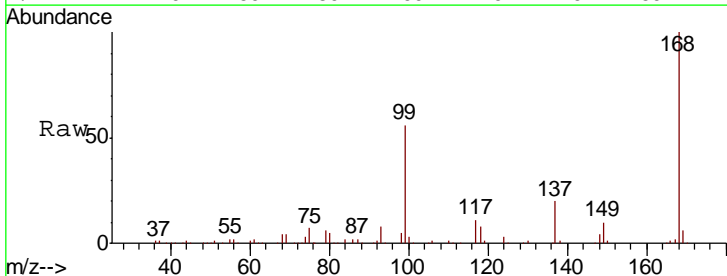
Instrument :
 MSVOA_X
 ClientSampled :
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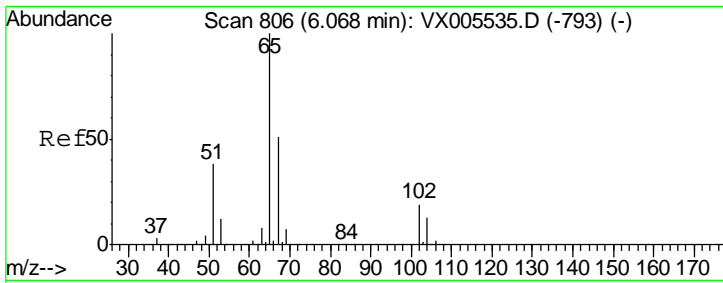
Tgt Ion	Resp	Lower	Upper
42	670		
72	0.0	32.0	48.0#
71	19.1	29.8	44.8#



#31
 Cyclohexane
 Concen: 1.190 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. 0.09 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

Tgt Ion	Resp	Lower	Upper
56	4274		
69	194.1	22.6	34.0#
84	110.7	62.7	94.1#

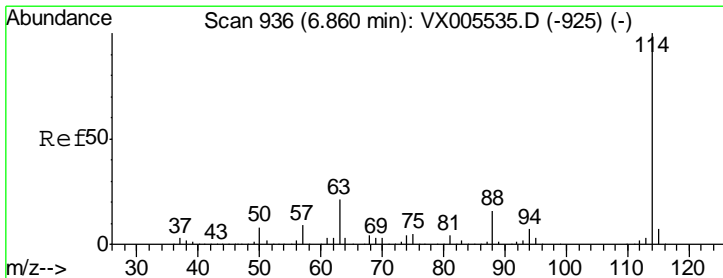
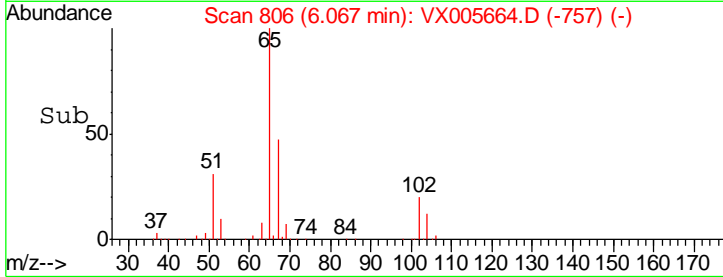
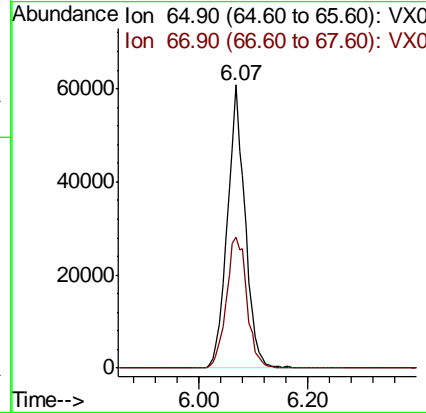
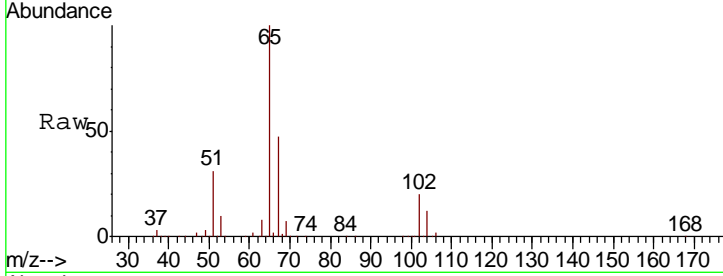




#33
 1,2-Dichloroethane-d4
 Concen: 51.490 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

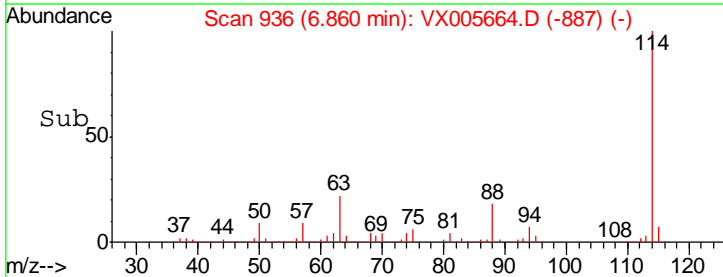
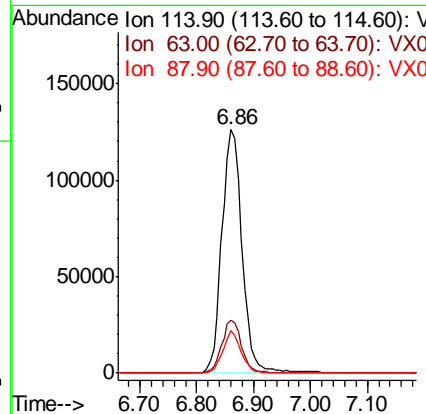
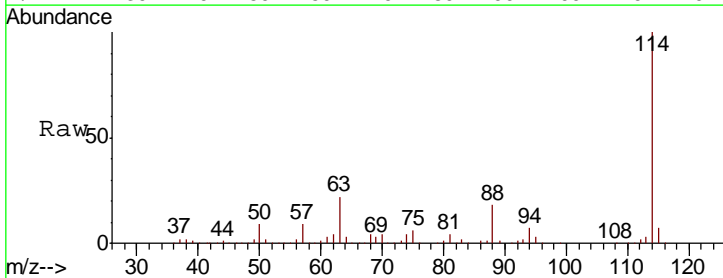
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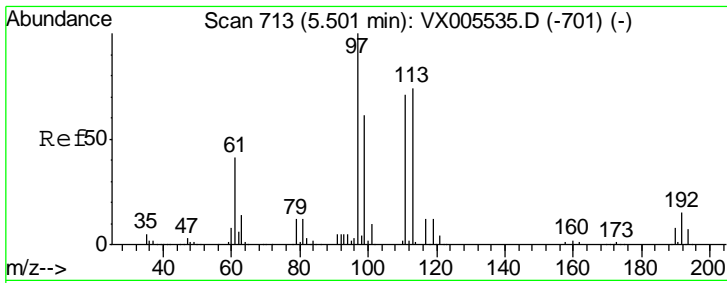
Tgt Ion	Resp	Lower	Upper
65	137154		
67	53.8	0.0	105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

Tgt Ion	Resp	Lower	Upper
114	311711		
63	21.7	0.0	42.8
88	17.5	0.0	31.2

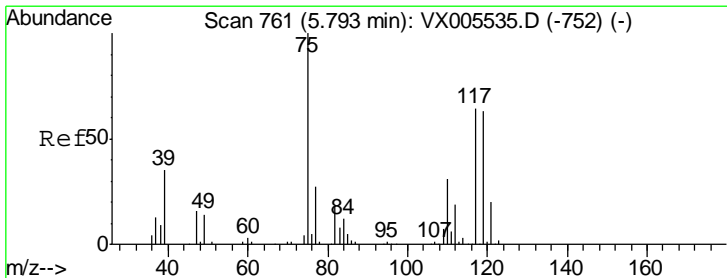
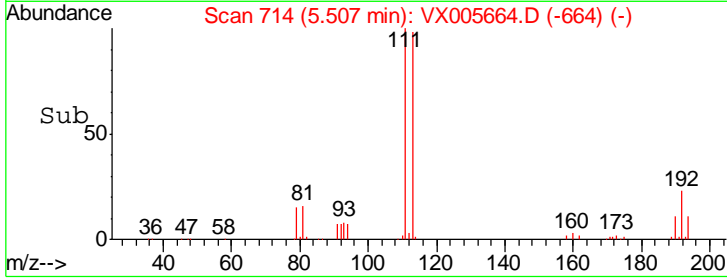
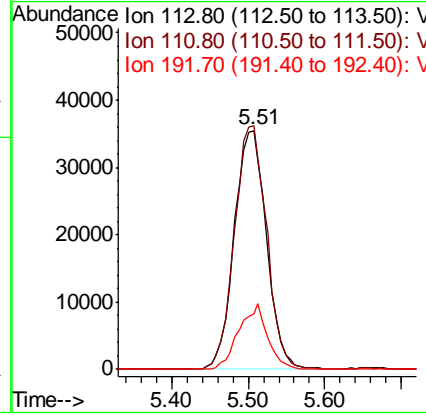
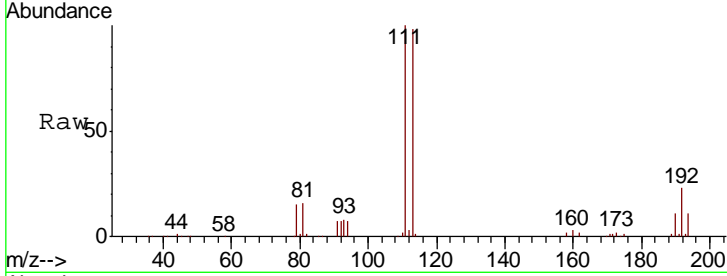




#35
 Dibromofluoromethane
 Concen: 49.045 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

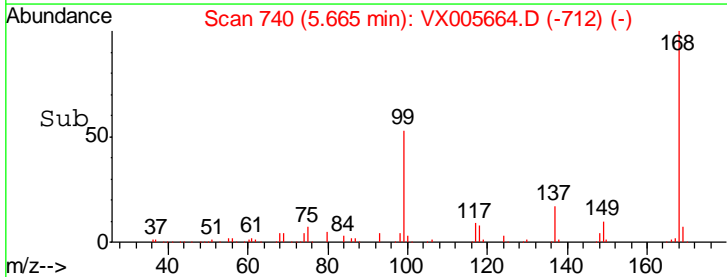
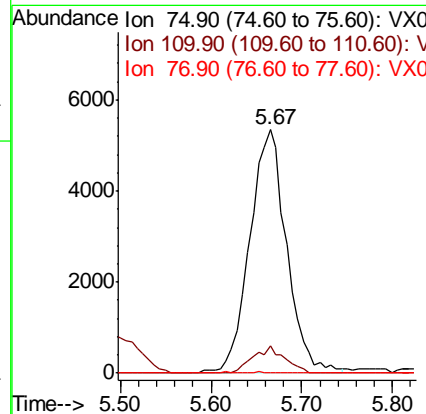
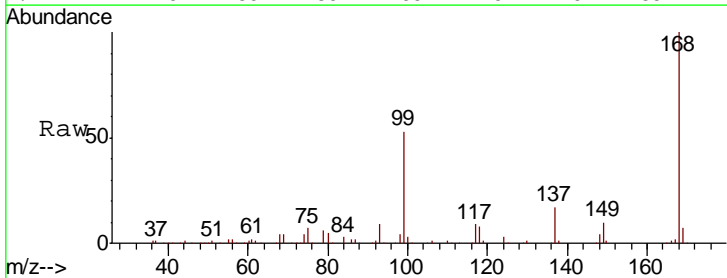
Instrument :
 MSVOA_X
 ClientSampleId :
 WS-CFA-111C

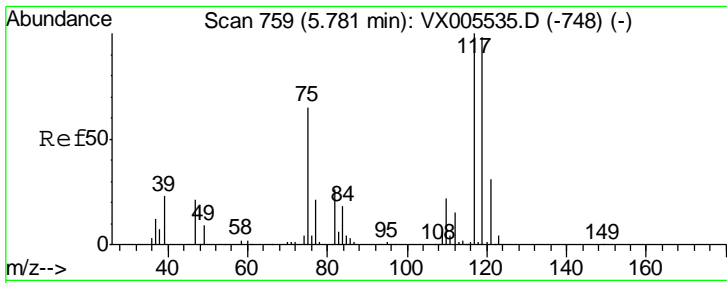
Tgt Ion	Resp	Lower	Upper
113	103516		
113	100		
111	101.6	82.3	123.5
192	24.4	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 4.968 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

Tgt Ion	Resp	Lower	Upper
75	15027		
75	100		
110	9.4	17.4	52.2#
77	0.1	25.8	38.6#

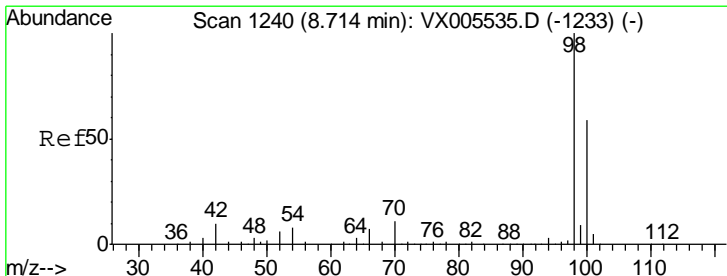
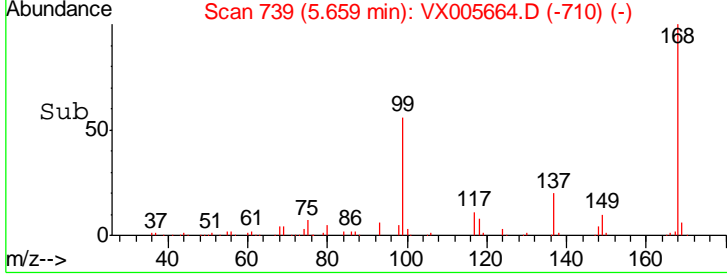
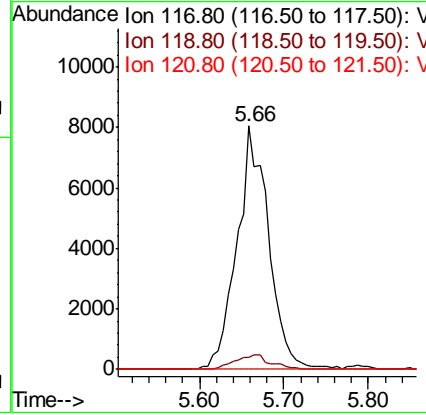
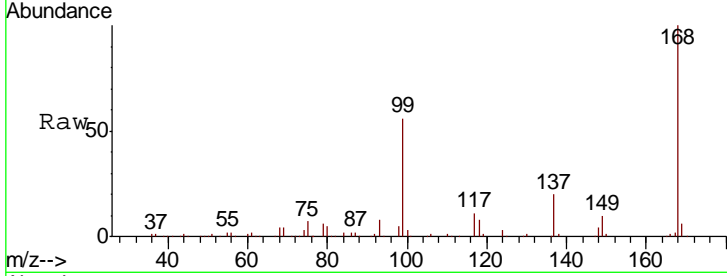




#38
 Carbon Tetrachloride
 Concen: 6.408 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

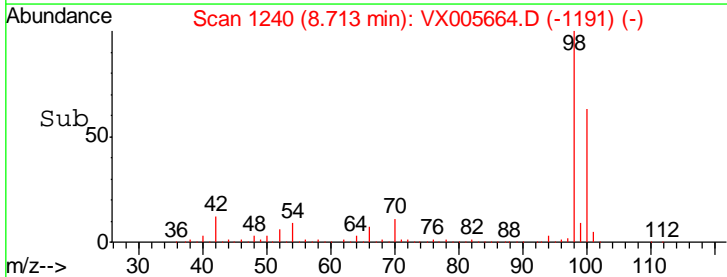
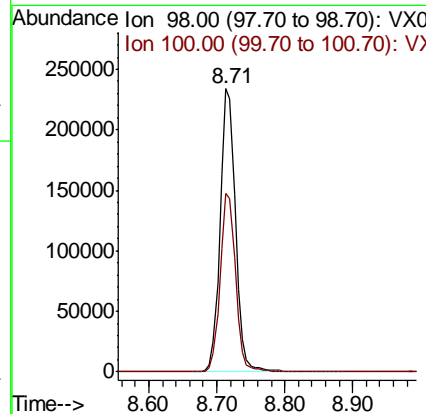
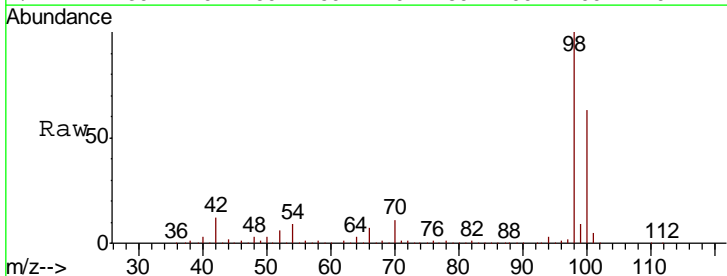
Instrument :
 MSVOA_X
ClientSampled :
 WS-CFA-111C

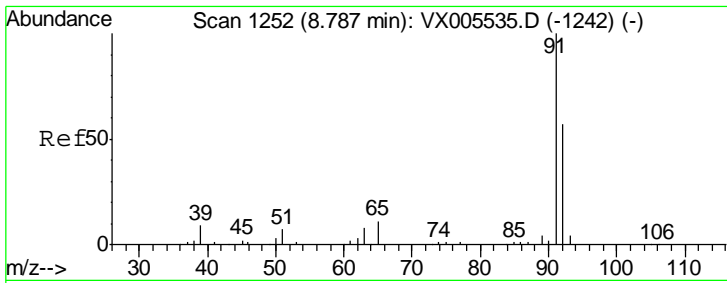
Tgt Ion	Resp	Lower	Upper
117	20415		
119	4.8	78.1	117.1#
121	0.0	24.6	36.8#



#50
 Toluene-d8
 Concen: 48.585 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

Tgt Ion	Resp	Lower	Upper
98	368468		
100	63.2	51.3	76.9

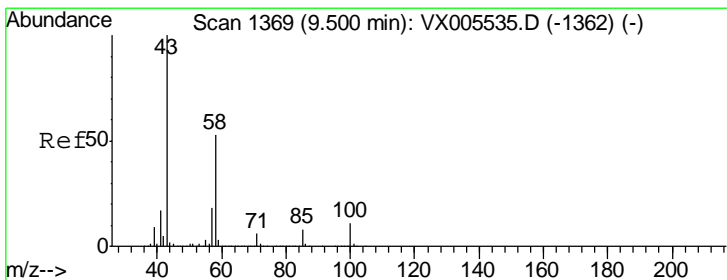
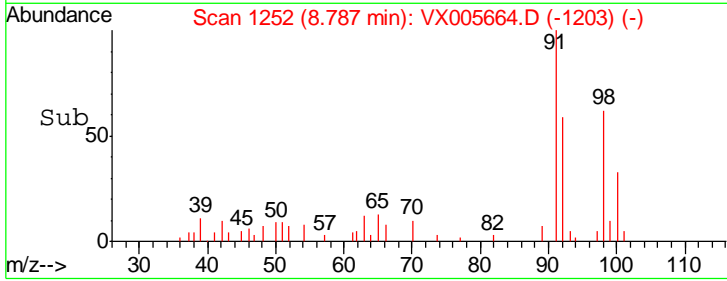
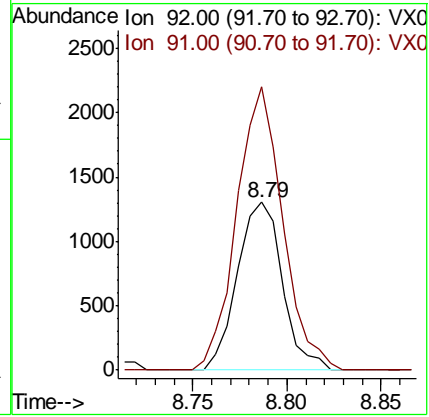
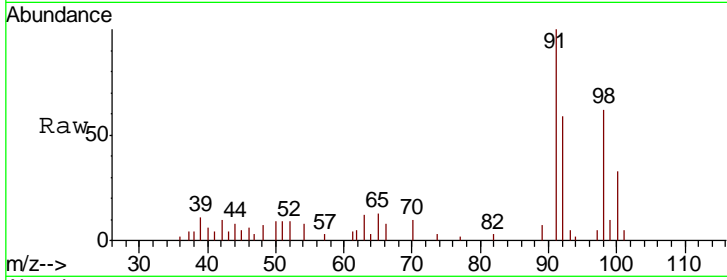




#52
 Toluene
 Concen: 0.410 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

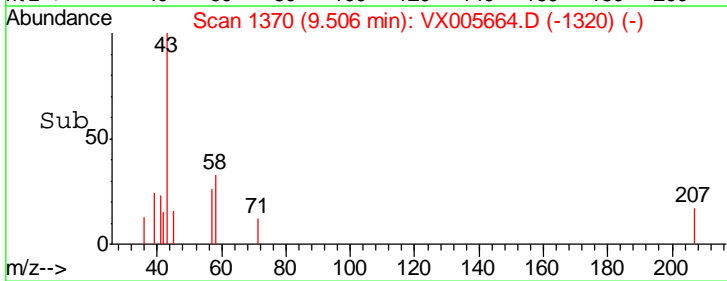
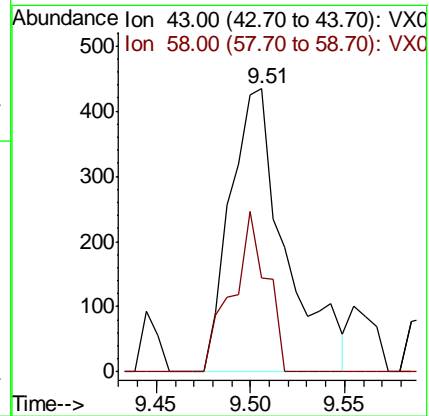
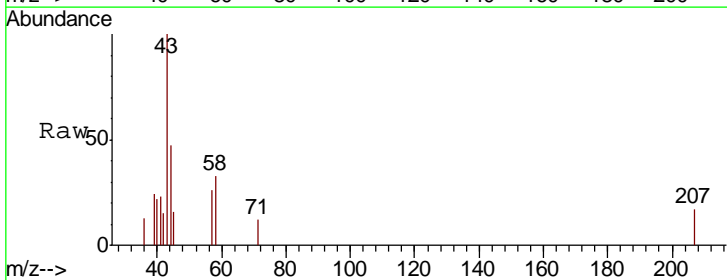
Instrument :
 MSVOA_X
 ClientSampleId :
 WS-CFA-111C

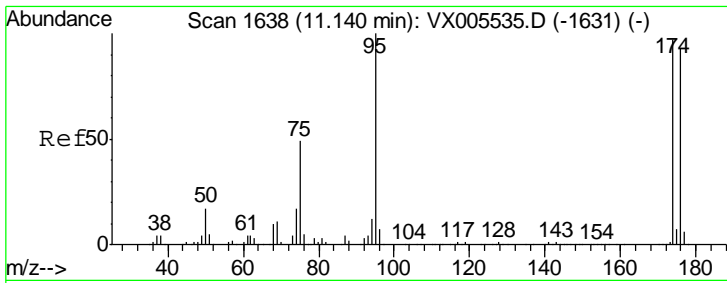
Tgt Ion	Resp	Lower	Upper
92	2159		
92	100		
91	172.5	140.4	210.6



#59
 2-Hexanone
 Concen: 0.288 ug/l
 RT: 9.51 min Scan# 1370
 Delta R.T. 0.01 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

Tgt Ion	Resp	Lower	Upper
43	883		
43	100		
58	35.3	25.9	77.8

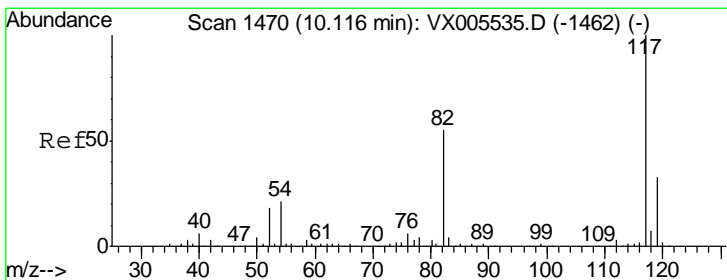
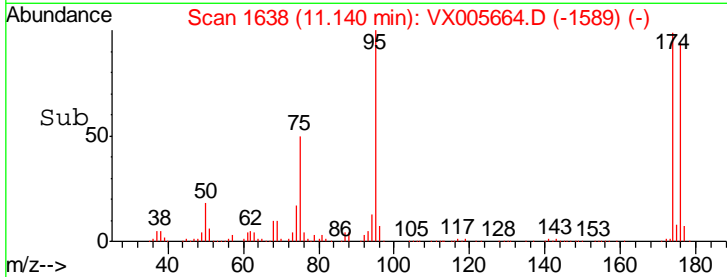
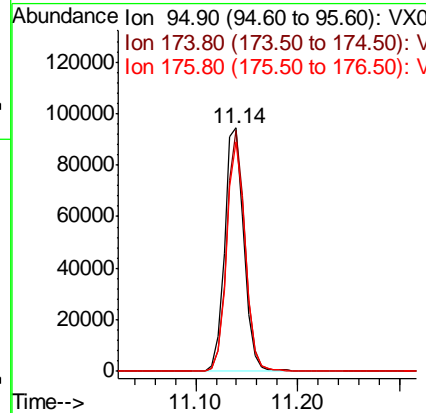
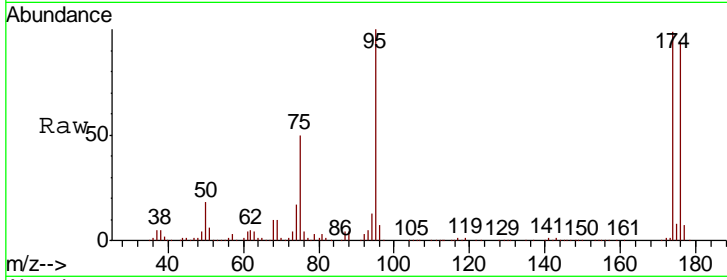




#62
 4-Bromofluorobenzene
 Concen: 43.618 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

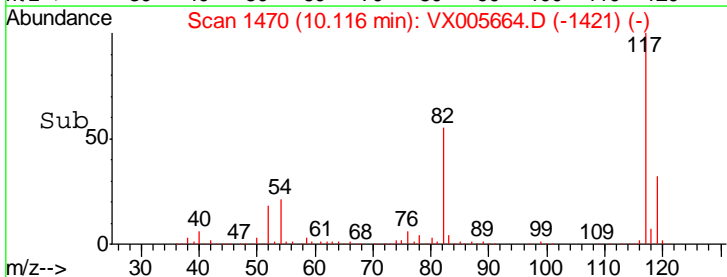
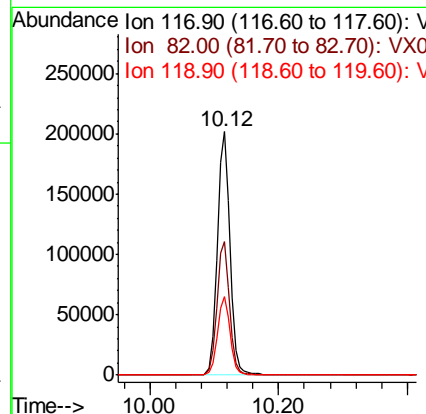
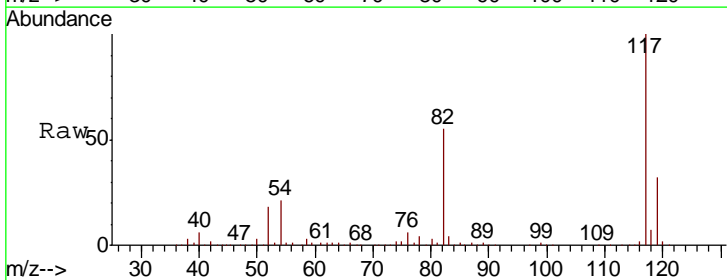
Instrument :
 MSVOA_X
 ClientSampled :
 WS-CFA-111C

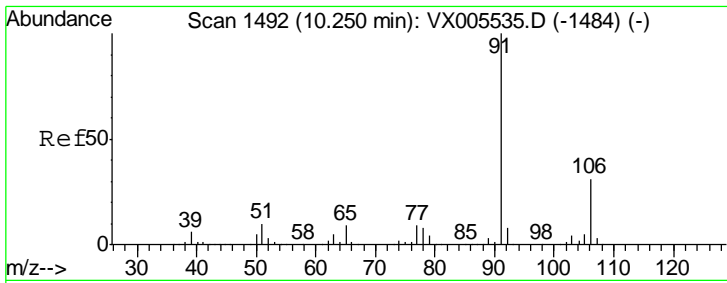
Tgt Ion	Resp	Lower	Upper
95	124925		
174	94.0	0.0	184.4
176	90.5	0.0	177.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.12 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

Tgt Ion	Resp	Lower	Upper
117	278599		
82	54.9	44.1	66.1
119	32.3	26.2	39.2

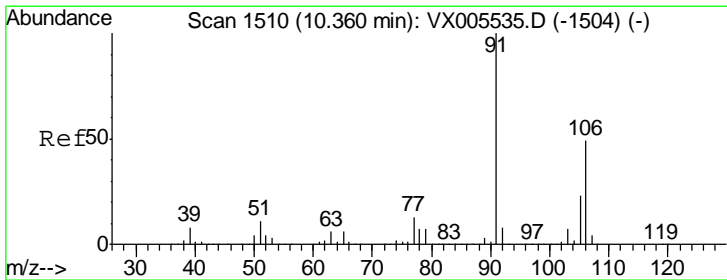
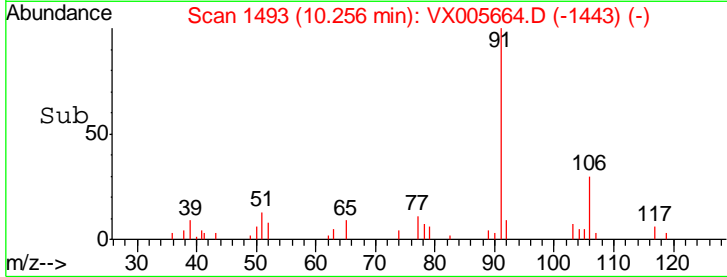
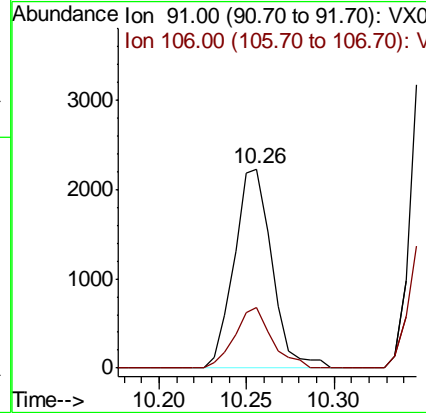
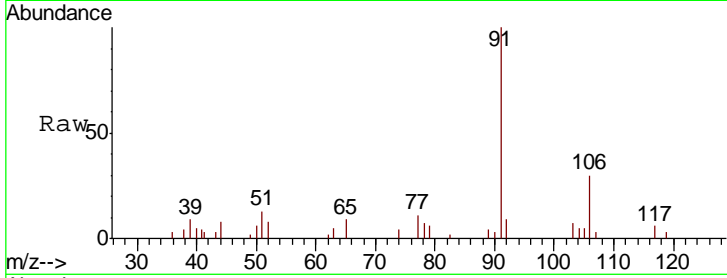




#67
 Ethyl Benzene
 Concen: 0.343 ug/l
 RT: 10.26 min Scan# 1493
 Delta R.T. 0.01 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

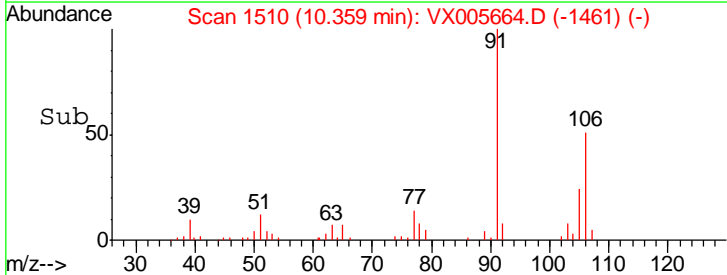
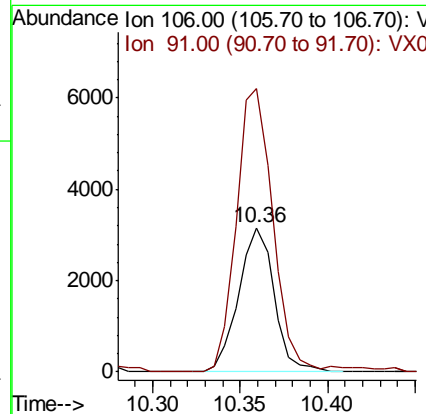
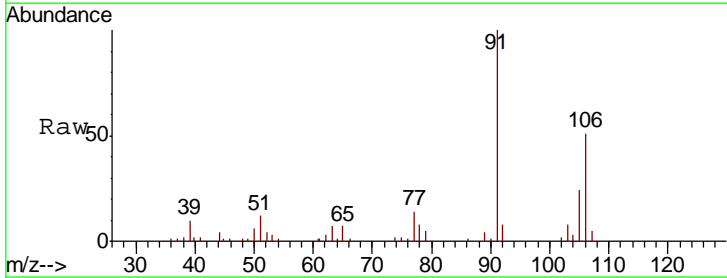
Instrument :
 MSVOA_X
 ClientSampled :
 WS-CFA-111C

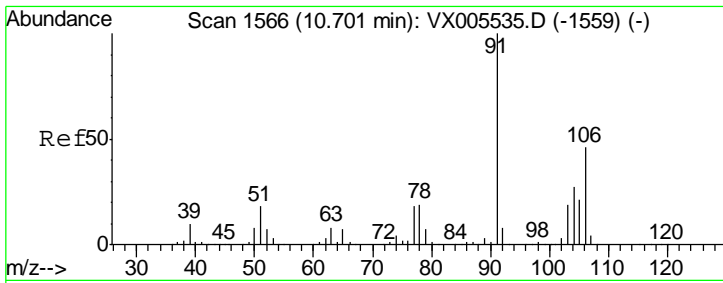
Tgt Ion: 91 Resp: 3344
 Ion Ratio Lower Upper
 91 100
 106 30.5 24.4 36.6



#68
 m/p-Xylenes
 Concen: 1.182 ug/l
 RT: 10.36 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

Tgt Ion: 106 Resp: 4478
 Ion Ratio Lower Upper
 106 100
 91 199.3 164.2 246.4

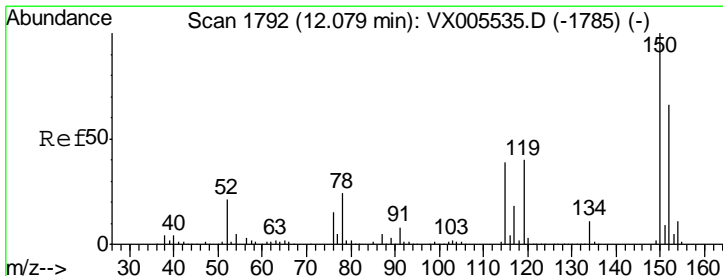
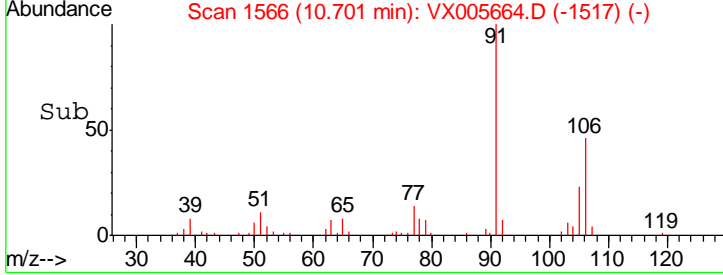
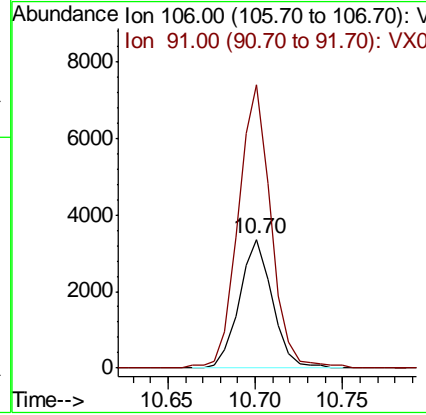
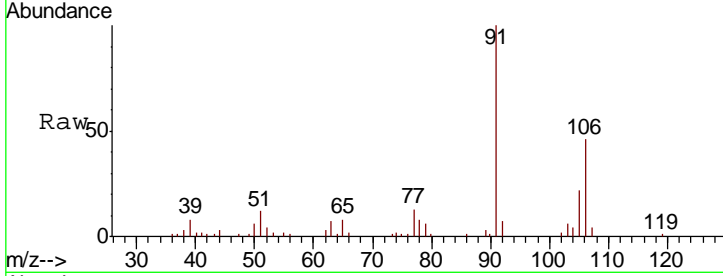




#69
 o-Xylene
 Concen: 1.239 ug/l
 RT: 10.70 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

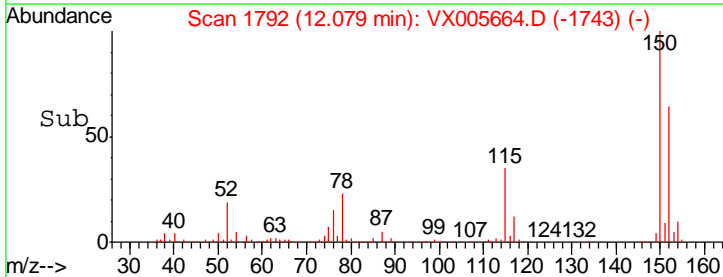
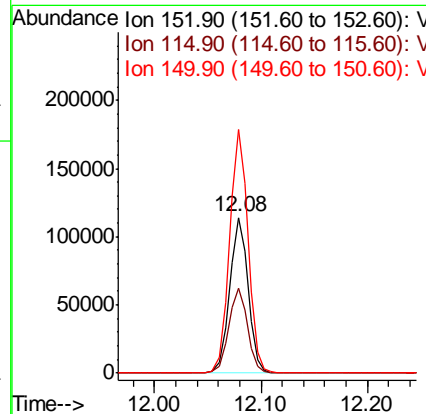
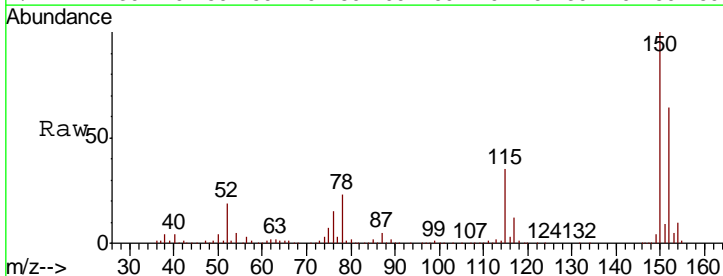
Instrument : MSVOA_X
 ClientSampled : WS-CFA-111C

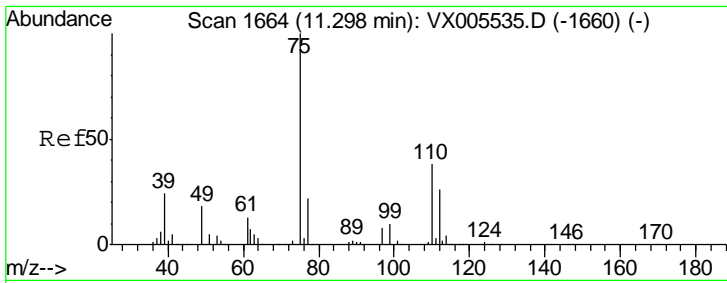
Tgt Ion	Resp	Lower	Upper
106	4414		
106	100		
91	216.9	108.5	325.5



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

Tgt Ion	Resp	Lower	Upper
152	137919		
152	100		
115	55.5	39.4	118.1
150	157.4	0.0	346.4

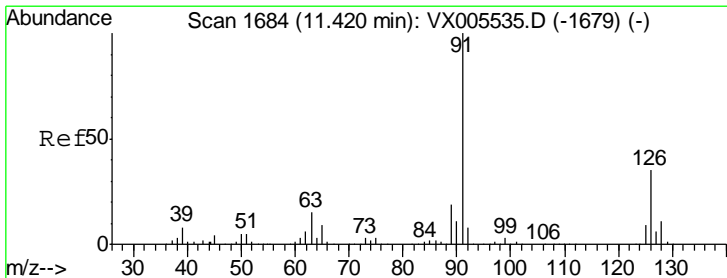
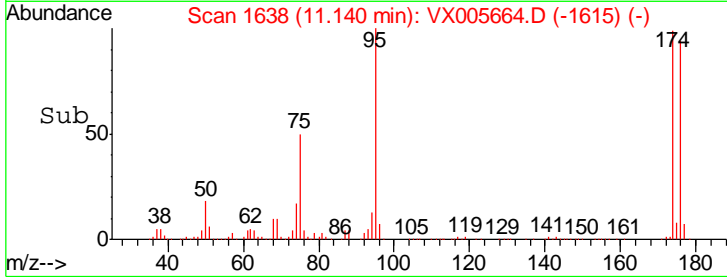
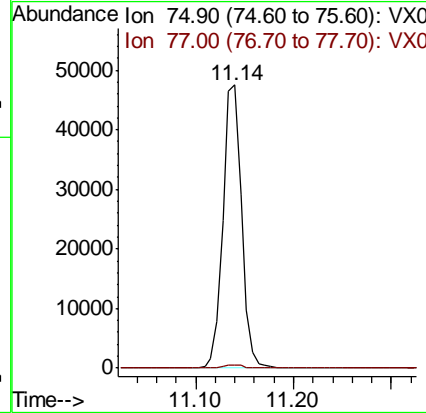
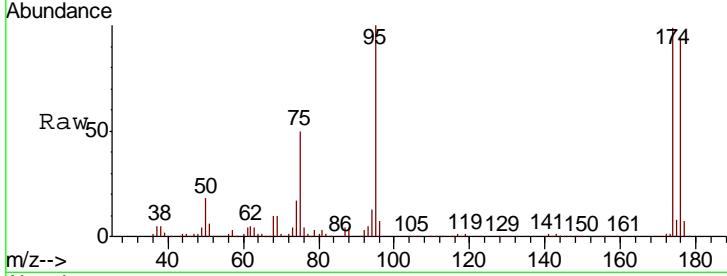




#76
 1,2,3-Trichloropropane
 Concen: 21.592 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

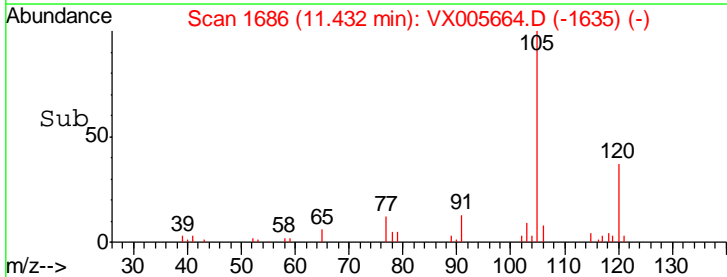
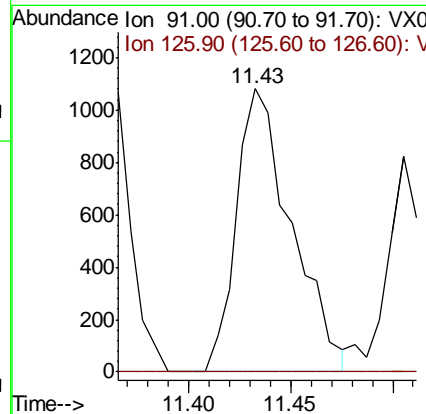
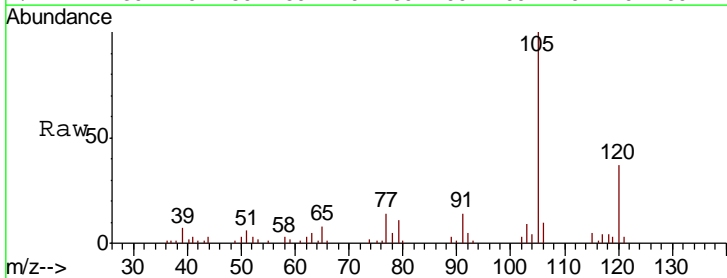
Instrument :
 MSVOA_X
 ClientSampled :
 WS-CFA-111C

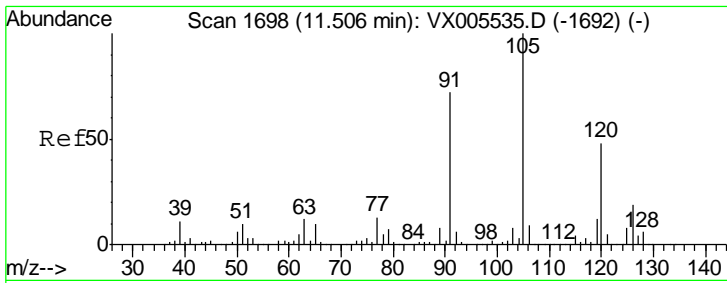
Tot Ion: 75 Resp: 63097
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.5 61.6#



#79
 2-Chlorotoluene
 Concen: 0.337 ug/l
 RT: 11.43 min Scan# 1686
 Delta R.T. 0.01 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

Tgt Ion: 91 Resp: 2016
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.3 52.0#

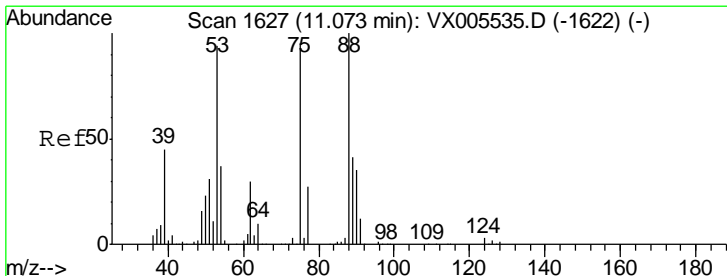
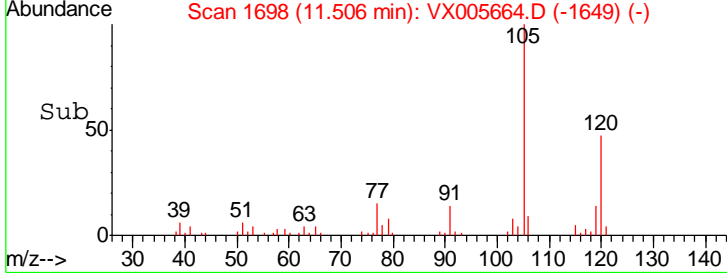
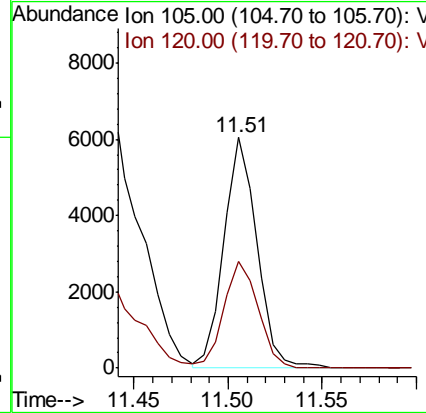
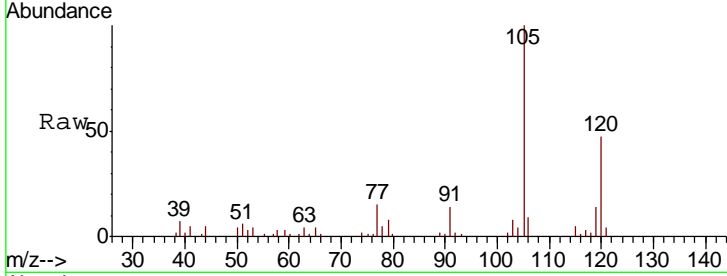




#80
 1,3,5-Trimethylbenzene
 Concen: 1.023 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

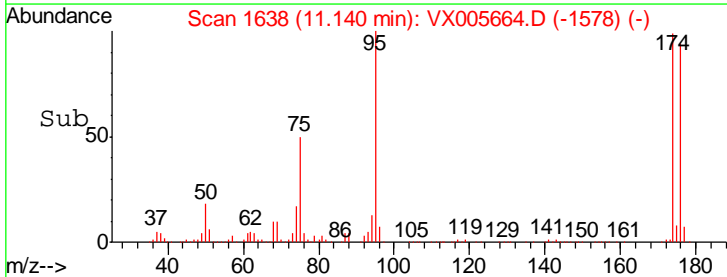
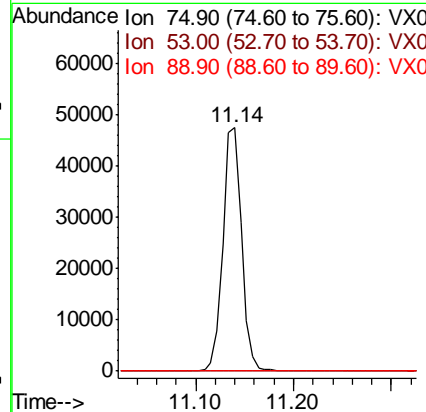
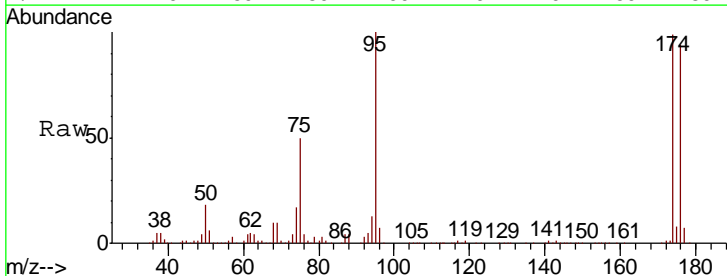
Instrument :
 MSVOA_X
 ClientSampled :
 WS-CFA-111C

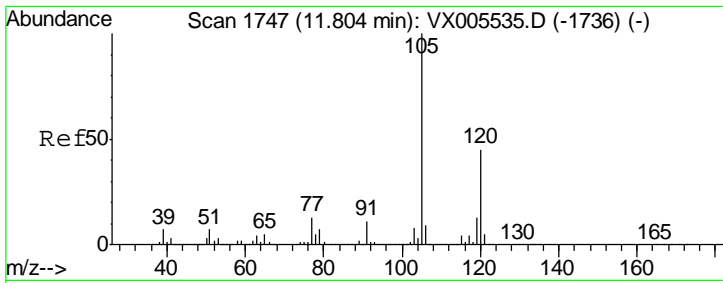
Tgt Ion: 105 Resp: 7376
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.554 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

Tgt Ion: 75 Resp: 63097
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.2 120.2#
 89 0.0 39.8 59.8#

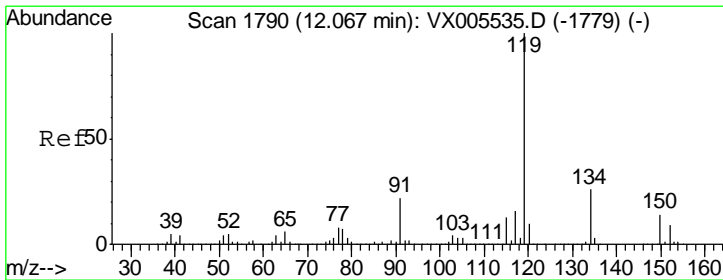
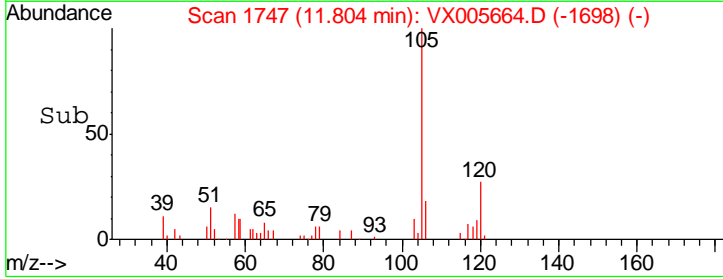
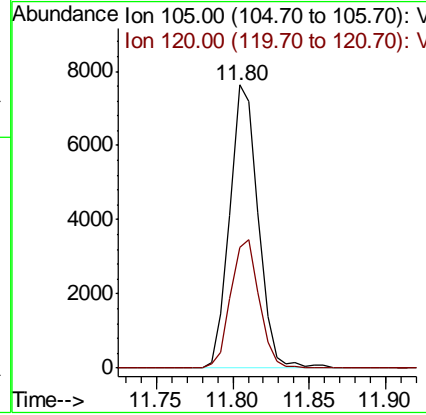
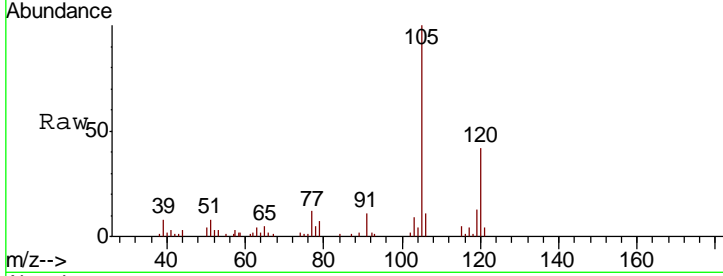




#84
 1,2,4-Trimethylbenzene
 Concen: 1.346 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

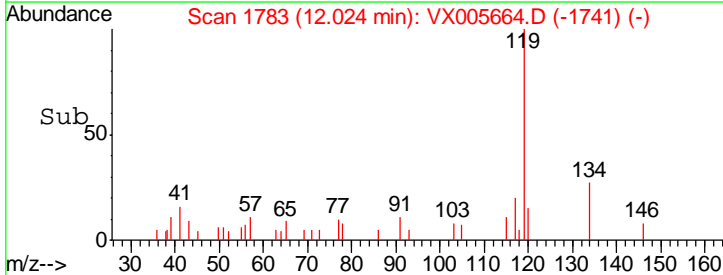
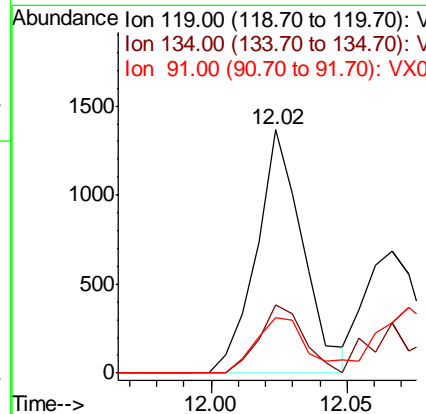
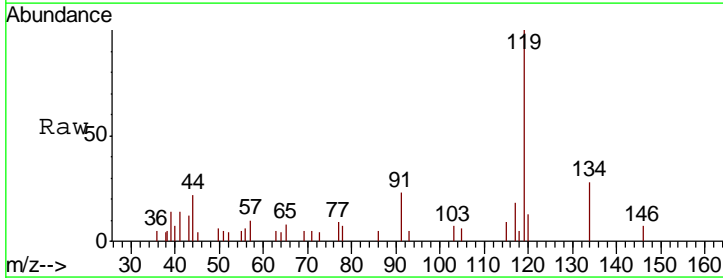
Instrument :
 MSVOA_X
 ClientSampled :
 WS-CFA-111C

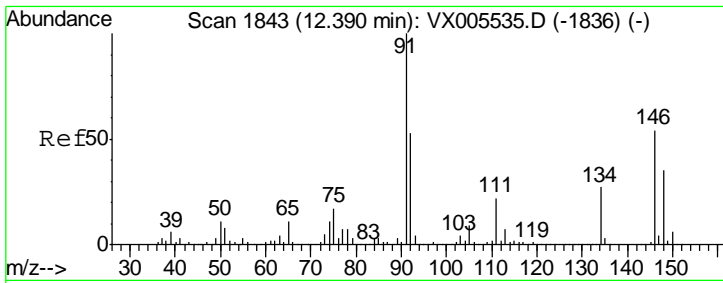
Tgt Ion:105 Resp: 9838
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.4 67.0



#86
 p-Isopropyltoluene
 Concen: 0.211 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.04 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

Tgt Ion:119 Resp: 1615
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.0 39.0
 91 24.2 11.4 34.2

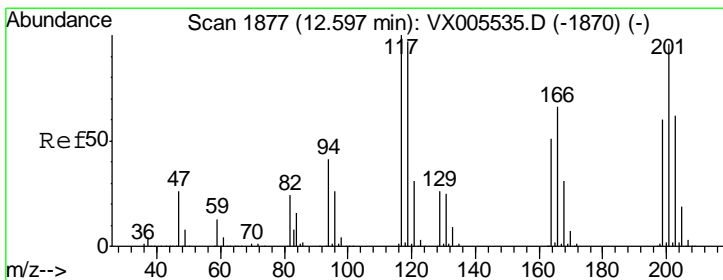
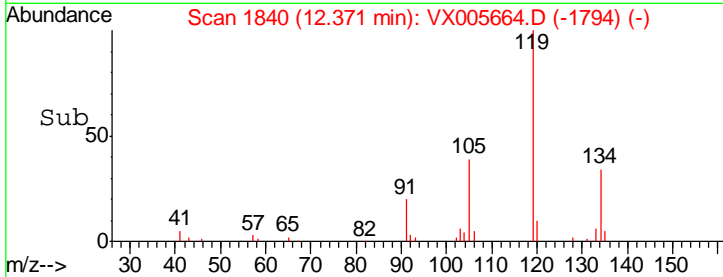
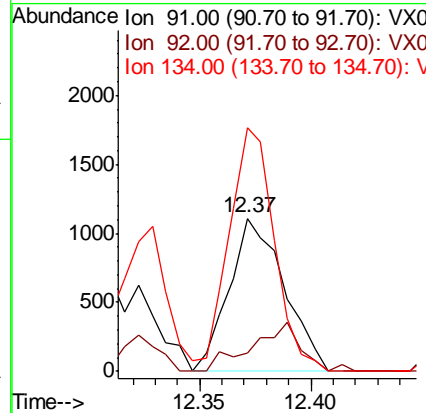
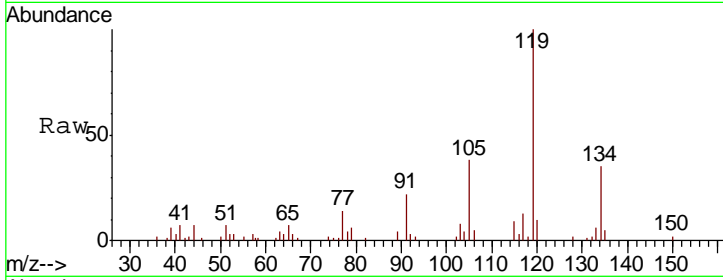




#89
 n-Butylbenzene
 Concen: 0.276 ug/l
 RT: 12.37 min Scan# 1840
 Delta R.T. -0.02 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

Instrument :
 MSVOA_X
 ClientSampled :
 WS-CFA-111C

Tgt Ion	Resp	Lower	Upper
91	1909		
91	100		
92	28.8	26.1	78.2
134	130.9	13.1	39.3#



#90
 Hexachloroethane
 Concen: 0.395 ug/l
 RT: 12.58 min Scan# 1875
 Delta R.T. -0.01 min
 Lab File: VX005664.D
 Acq: 29 Oct 2018 16:57

Tgt Ion	Resp	Lower	Upper
117	523		
117	100		
201	0.0	47.9	143.6#

