

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF102918\
 Data File : VF060534.D
 Acq On : 29 Oct 2018 17:53
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Quant Time: Oct 30 04:20:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 04:16:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	321038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	519129	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	444349	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	270487	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	249838	40.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.28%	
35) Dibromofluoromethane	4.31	113	241289	40.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.30%	
50) Toluene-d8	7.73	98	627228	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
62) 4-Bromofluorobenzene	11.52	95	289897	42.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.00	85	248555	30.033	ug/l	100
3) Chloromethane	1.13	50	159416	39.994	ug/l	100
4) Vinyl Chloride	1.19	62	167138	37.034	ug/l	100
5) Bromomethane	1.37	94	135543	30.636	ug/l	100
6) Chloroethane	1.43	64	85967	31.466	ug/l	100
7) Trichlorofluoromethane	1.55	101	422083	30.346	ug/l	100
8) Diethyl Ether	1.70	74	53012	39.216	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.89	101	193166	32.164	ug/l	100
10) Methyl Iodide	1.97	142	312489	36.320	ug/l	100
11) Tert butyl alcohol	2.69	59	53027	164.500	ug/l	100
12) 1,1-Dichloroethene	1.86	96	153728	35.209	ug/l	100
13) Acrolein	2.10	56	42263	158.364	ug/l	100
14) Allyl chloride	2.20	41	253185	36.134	ug/l	100
15) Acrylonitrile	3.08	53	111961	217.752	ug/l	100
16) Acetone	2.34	43	239872	166.602	ug/l	100
17) Carbon Disulfide	1.87	76	456448	37.374	ug/l	100
18) Methyl Acetate	2.45	43	76334	37.713	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	390196	35.929	ug/l	100
20) Methylene Chloride	2.29	84	148369	33.666	ug/l	100
21) trans-1,2-Dichloroethene	2.42	96	161968	38.211	ug/l	100
22) Diisopropyl ether	2.94	45	493113	39.422	ug/l	100
23) Vinyl Acetate	3.34	43	972667	237.600	ug/l	100
24) 1,1-Dichloroethane	3.00	63	331075	35.211	ug/l	100
25) 2-Butanone	4.51	43	286700	248.149	ug/l	100
26) 2,2-Dichloropropane	3.77	77	233134	37.273	ug/l	100
27) cis-1,2-Dichloroethene	3.65	96	221901	52.674	ug/l	100
28) Bromochloromethane	3.90	49	138046	47.281	ug/l	100
29) Tetrahydrofuran	4.27	42	110177	243.551	ug/l	100
30) Chloroform	4.05	83	460317	41.401	ug/l	100
31) Cyclohexane	3.88	56	254219	50.821	ug/l	100
32) 1,1,1-Trichloroethane	4.29	97	387246	38.351	ug/l	100
36) 1,1-Dichloropropene	4.47	75	312612	41.513	ug/l	100
37) Ethyl Acetate	4.30	43	103180	41.538	ug/l	100
38) Carbon Tetrachloride	4.19	117	431095	39.324	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	313846	49.510	ug/l	100
40) Benzene	4.82	78	637007	49.739	ug/l	100
41) Methacrylonitrile	4.93	41	59011	46.150	ug/l	100
42) 1,2-Dichloroethane	5.13	62	303128	38.790	ug/l	100
43) Isopropyl Acetate	7.13	43	134916	50.373	ug/l	100
44) Trichloroethene	5.69	130	199655	45.484	ug/l	100
45) 1,2-Dichloropropane	6.42	63	155253	48.377	ug/l	100
46) Dibromomethane	6.26	93	129434	43.887	ug/l	100
47) Bromodichloromethane	6.56	83	335394	41.172	ug/l	100
48) Methyl methacrylate	6.89	41	97500	49.164	ug/l	100
49) 1,4-Dioxane	6.88	88	16201	927.492	ug/l	100
51) 4-Methyl-2-Pentanone	8.42	43	472284	231.657	ug/l	100
52) Toluene	7.80	92	424486	50.339	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	267333	43.870	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	310479	48.663	ug/l	100
55) 1,1,2-Trichloroethane	8.65	97	133648	51.003	ug/l	100
56) Ethyl methacrylate	8.77	69	155121	54.182	ug/l	100
57) 1,3-Dichloropropane	9.01	76	233802	50.410	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.80	63	71665	193.968	ug/l	100
59) 2-Hexanone	9.64	43	333509	219.635	ug/l	100
60) Dibromochloromethane	8.88	129	215936	44.371	ug/l	100
61) 1,2-Dibromoethane	9.15	107	151396	48.864	ug/l	100
64) Tetrachloroethene	8.32	164	194994	50.946	ug/l	100
65) Chlorobenzene	9.95	112	466817	49.512	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	202817	43.070	ug/l	100
67) Ethyl Benzene	10.05	91	886066	46.719	ug/l	100
68) m/p-Xylenes	10.28	106	593357	98.820	ug/l	100
69) o-Xylene	10.84	106	342759	50.381	ug/l	100
70) Styrene	10.91	104	475391	49.972	ug/l	100
71) Bromoform	10.90	173	110718	43.649	ug/l	100
73) Isopropylbenzene	11.24	105	1006943	46.879	ug/l	100
74) N-amyl acetate	11.47	43	200952	51.527	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.80	83	179441	56.304	ug/l	100
76) 1,2,3-Trichloropropane	11.90	75	128738	47.540	ug/l	100
77) Bromobenzene	11.60	156	221205	48.957	ug/l	100
78) n-propylbenzene	11.70	91	1172689	46.819	ug/l	100
79) 2-Chlorotoluene	11.82	91	714733	47.098	ug/l	100
80) 1,3,5-Trimethylbenzene	11.93	105	866836	46.106	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.97	75	81239	71.428	ug/l	100
82) 4-Chlorotoluene	11.99	91	728022	45.314	ug/l	100
83) tert-Butylbenzene	12.22	119	834312	44.526	ug/l	100
84) 1,2,4-Trimethylbenzene	12.30	105	854298	45.901	ug/l	100
85) sec-Butylbenzene	12.40	105	1145214	45.044	ug/l	100
86) p-Isopropyltoluene	12.55	119	953693	44.355	ug/l	100
87) 1,3-Dichlorobenzene	12.57	146	424260	46.391	ug/l	100
88) 1,4-Dichlorobenzene	12.66	146	413635	46.976	ug/l	100
89) n-Butylbenzene	12.93	91	1005994	43.920	ug/l	100
90) Hexachloroethane	13.00	117	250867	44.599	ug/l	100
91) 1,2-Dichlorobenzene	13.03	146	419161	47.815	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.72	75	36442	47.072	ug/l	100

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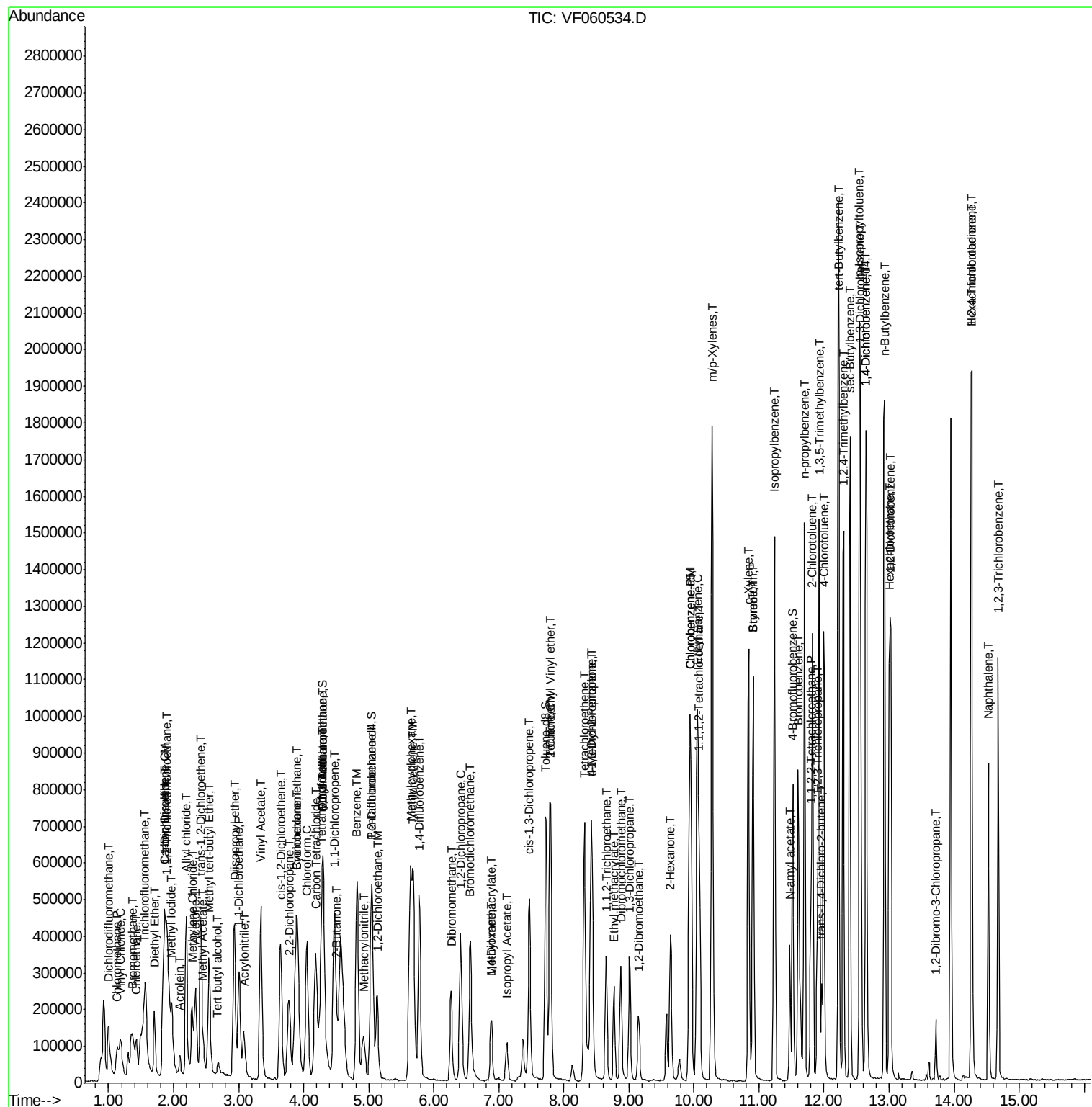
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	307343	43.804	ug/l	100
94) Hexachlorobutadiene	14.26	225	219179	42.391	ug/l	100
95) Naphthalene	14.53	128	581555	51.554	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	302475	46.800	ug/l	100

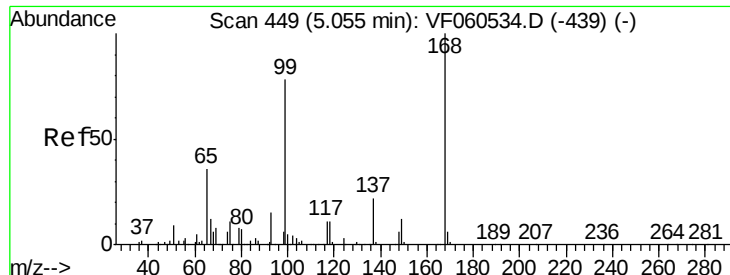
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 449

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

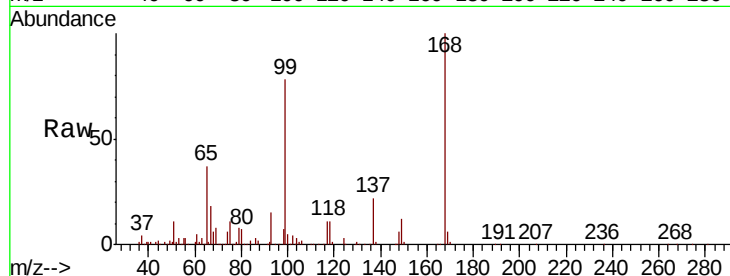
VSTDICCC050

Tgt Ion: 168 Resp: 321038

Ion Ratio Lower Upper

168 100

99 78.2 62.6 93.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

120000

100000

80000

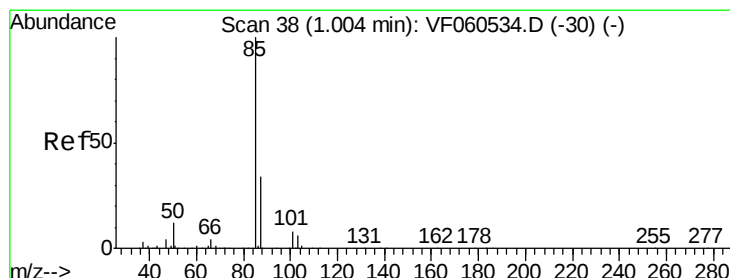
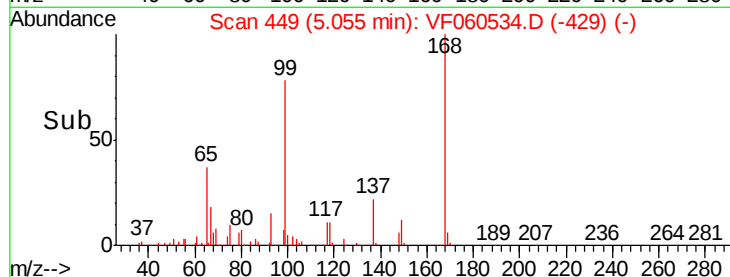
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 30.033 ug/l

RT: 1.00 min Scan# 38

Delta R.T. 0.00 min

Lab File: VF060534.D

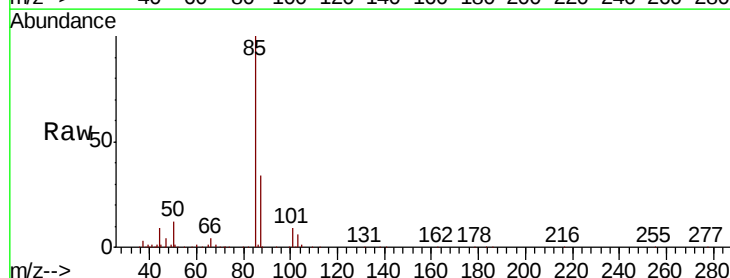
Acq: 29 Oct 2018 17:53

Tgt Ion: 85 Resp: 248555

Ion Ratio Lower Upper

85 100

87 33.8 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

80000

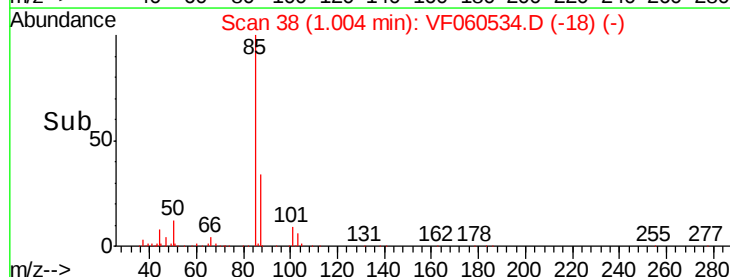
60000

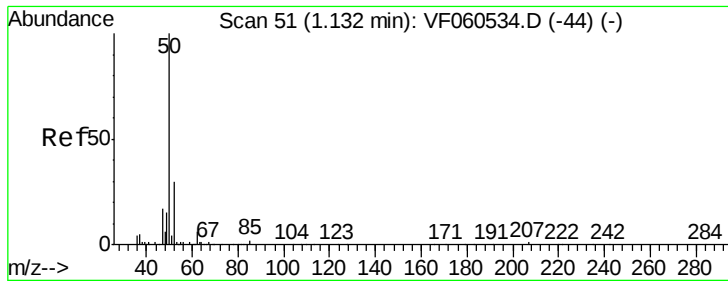
40000

20000

0

Time-->





#3

Chloromethane

Concen: 39.994 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

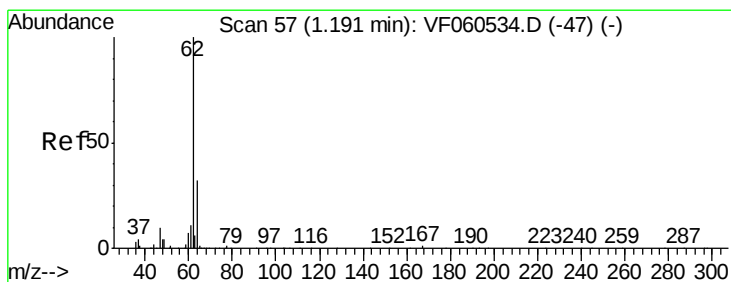
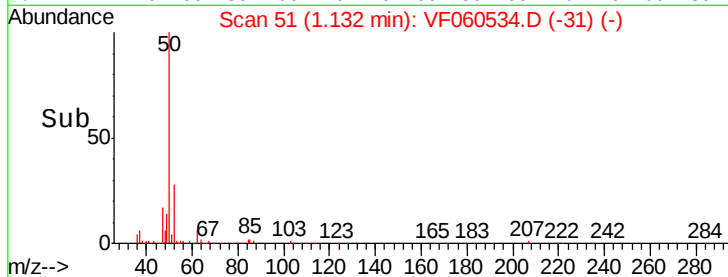
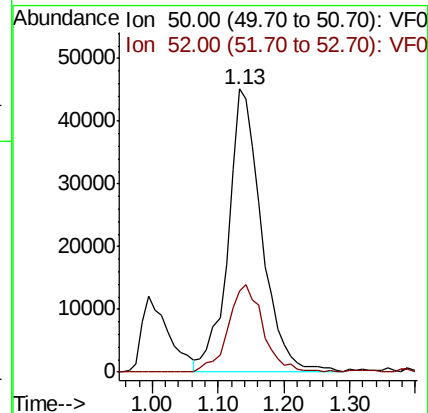
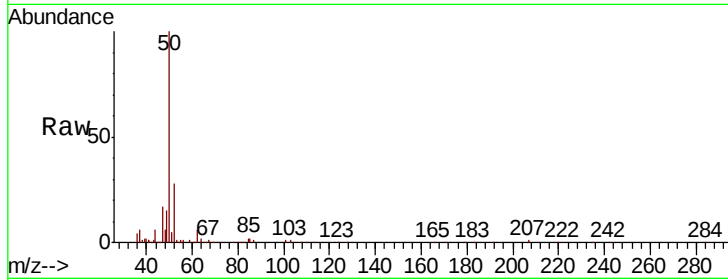
VSTDICCC050

Tgt Ion: 50 Resp: 159416

Ion Ratio Lower Upper

50 100

52 28.5 22.8 34.2



#4

Vinyl Chloride

Concen: 37.034 ug/l

RT: 1.19 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF060534.D

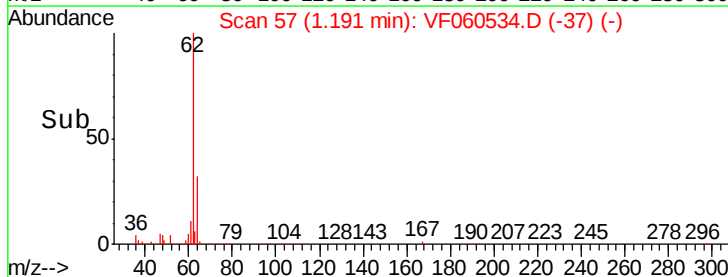
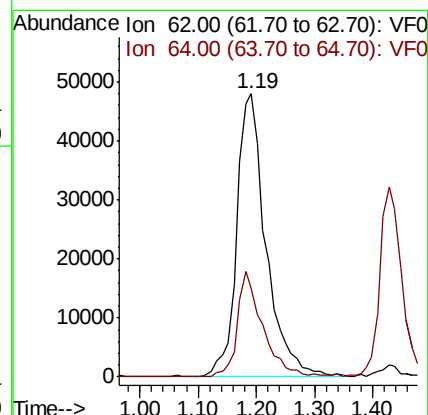
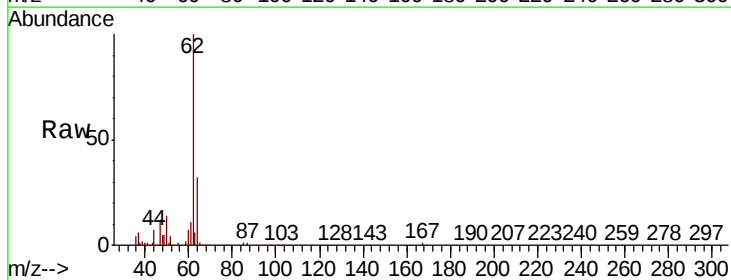
Acq: 29 Oct 2018 17:53

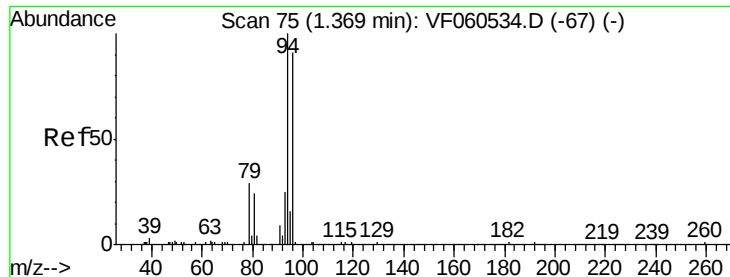
Tgt Ion: 62 Resp: 167138

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#5

Bromomethane

Concen: 30.636 ug/l

RT: 1.37 min Scan# 75

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

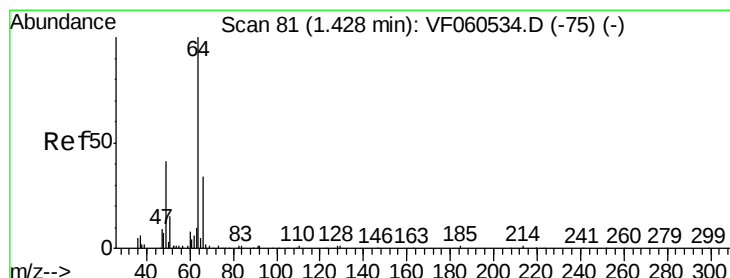
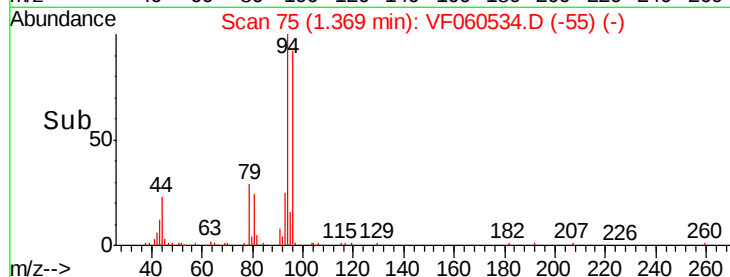
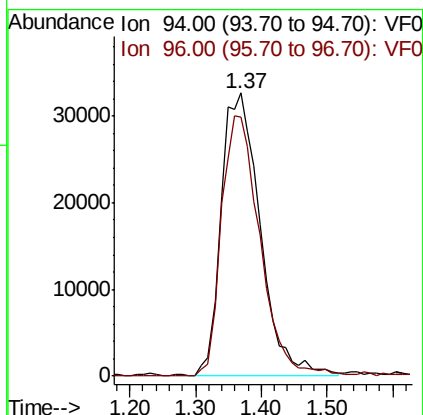
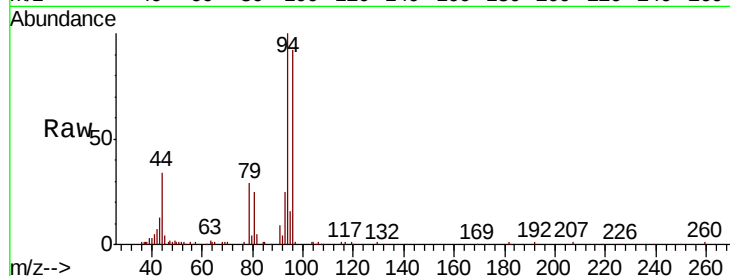
VSTDICCC050

Tgt Ion: 94 Resp: 135543

Ion Ratio Lower Upper

94 100

96 91.5 73.2 109.8



#6

Chloroethane

Concen: 31.466 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF060534.D

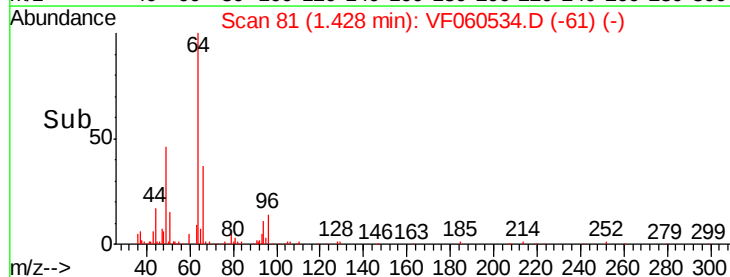
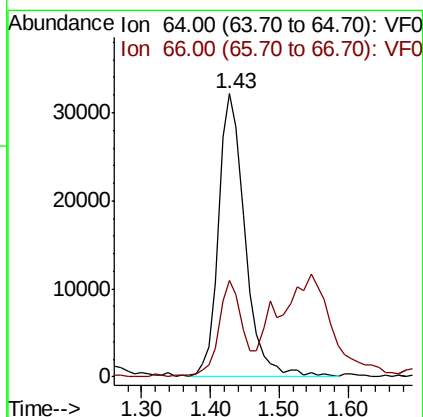
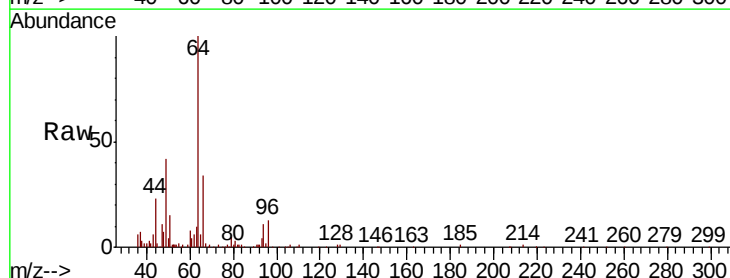
Acq: 29 Oct 2018 17:53

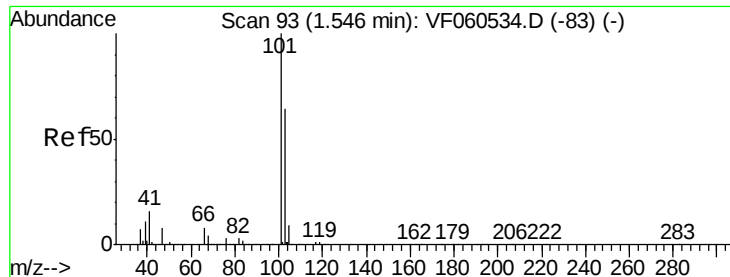
Tgt Ion: 64 Resp: 85967

Ion Ratio Lower Upper

64 100

66 33.9 27.1 40.7





#7

Trichlorofluoromethane

Concen: 30.346 ug/l

RT: 1.55 min Scan# 93

Delta R.T. 0.00 min

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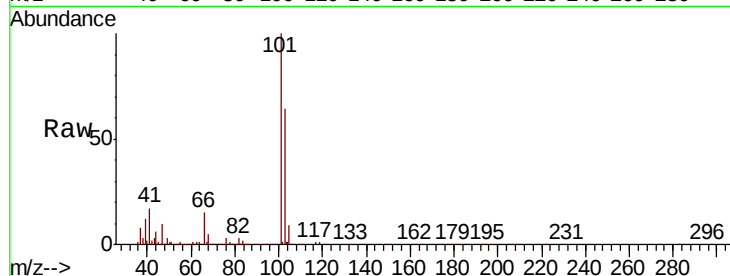
VSTDICCC050

Tgt Ion:101 Resp: 422083

Ion Ratio Lower Upper

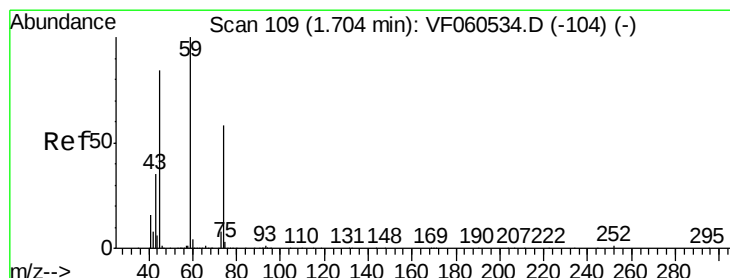
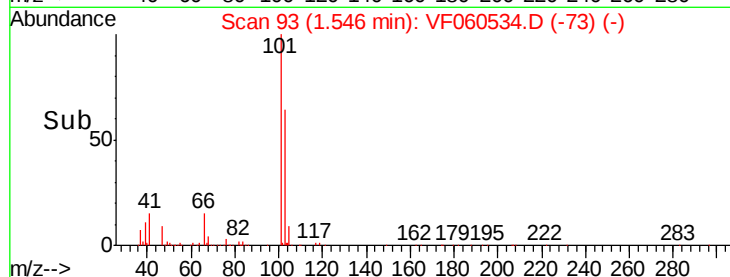
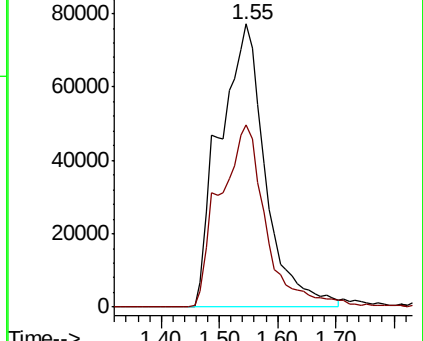
101 100

103 64.5 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 39.216 ug/l

RT: 1.70 min Scan# 109

Delta R.T. 0.00 min

Lab File: VF060534.D

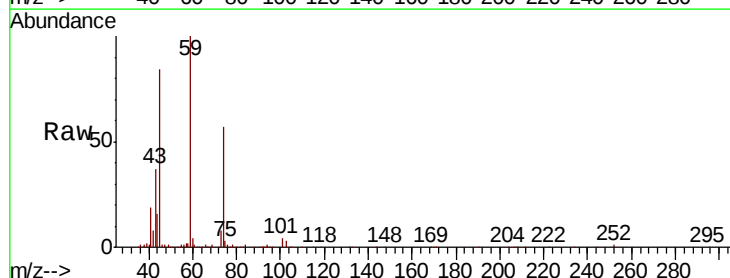
Acq: 29 Oct 2018 17:53

Tgt Ion: 74 Resp: 53012

Ion Ratio Lower Upper

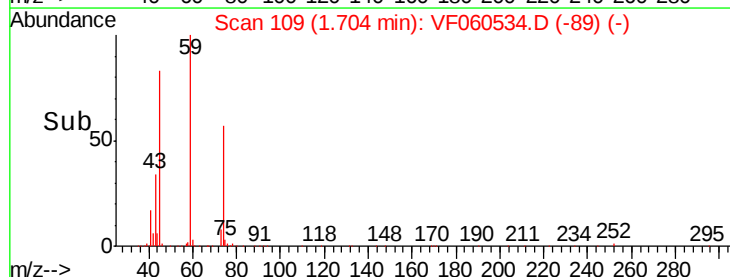
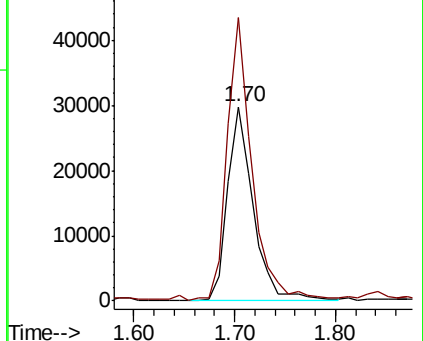
74 100

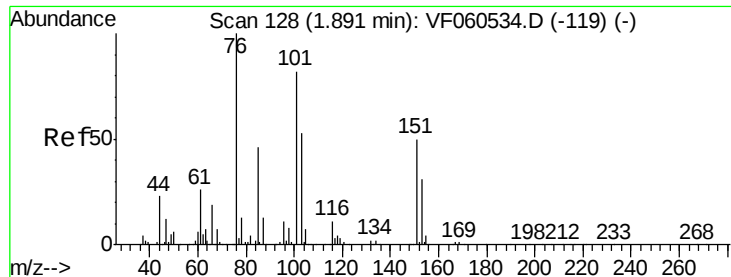
45 145.7 72.9 218.6



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 32.164 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.00 min

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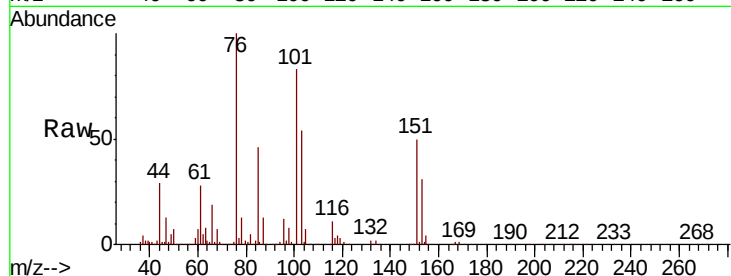
Tgt Ion:101 Resp: 193166

Ion Ratio Lower Upper

101 100

85 55.8 44.6 67.0

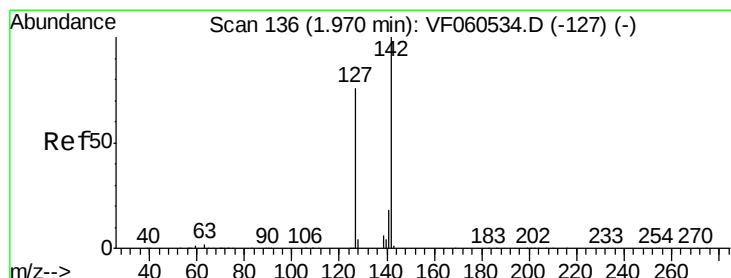
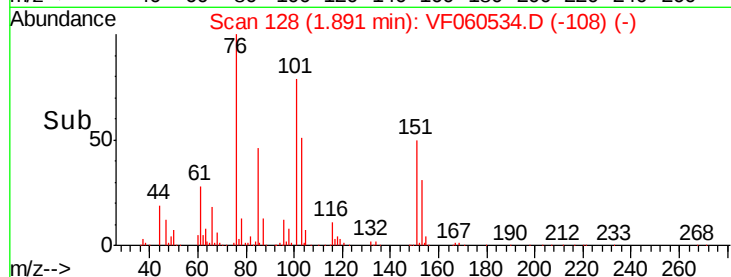
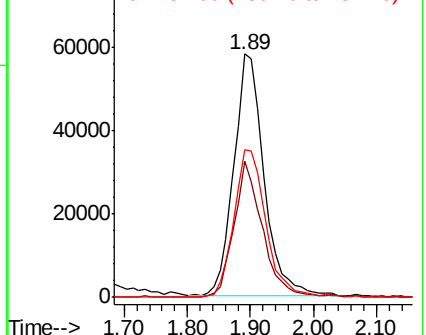
151 60.5 48.4 72.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 36.320 ug/l

RT: 1.97 min Scan# 136

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

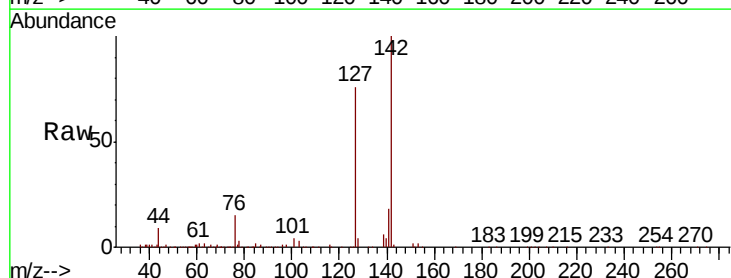
Tgt Ion:142 Resp: 312489

Ion Ratio Lower Upper

142 100

127 76.5 61.2 91.8

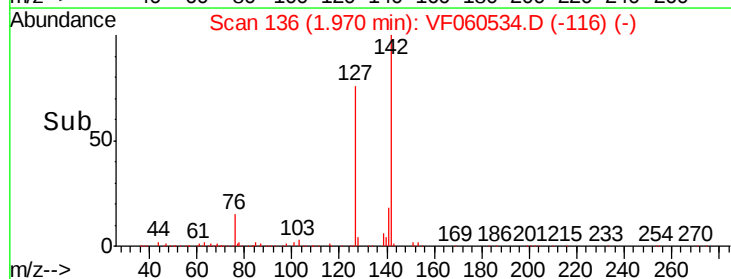
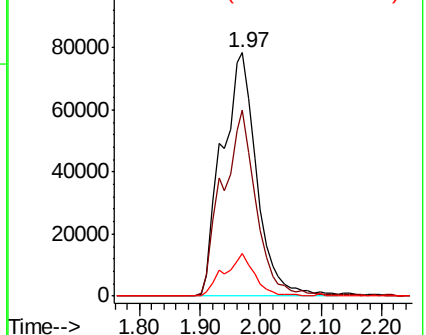
141 17.5 14.0 21.0

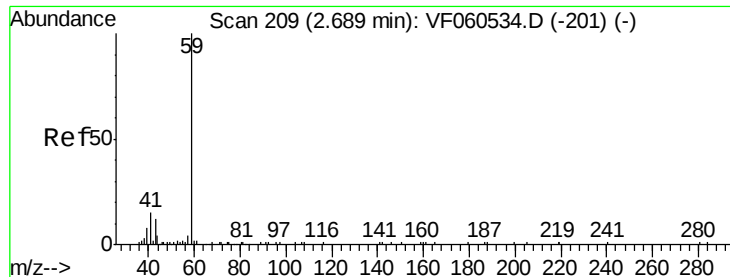


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



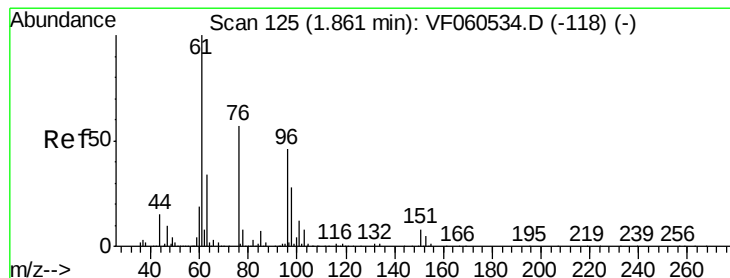
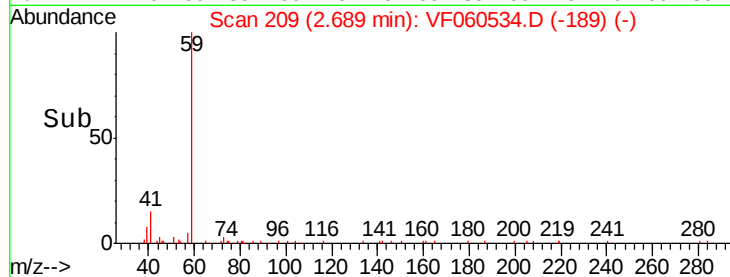
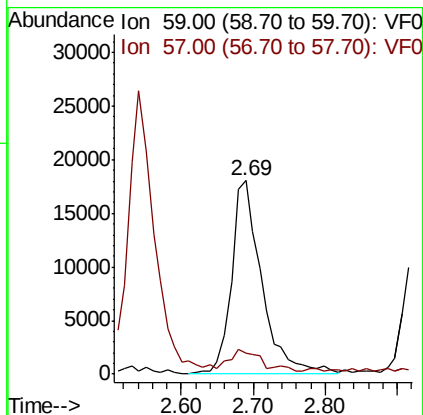
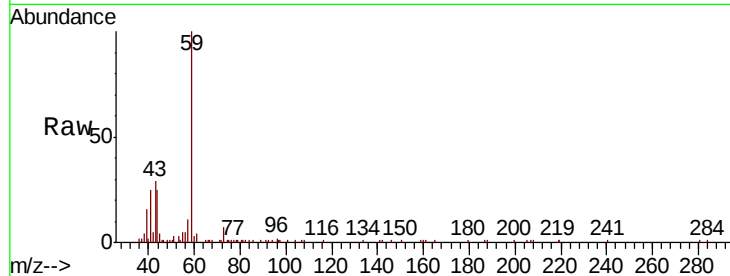


#11

Tert butyl alcohol
 Concen: 164.500 ug/l
 RT: 2.69 min Scan# 209
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

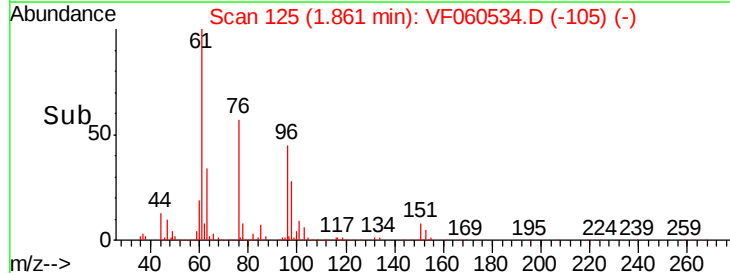
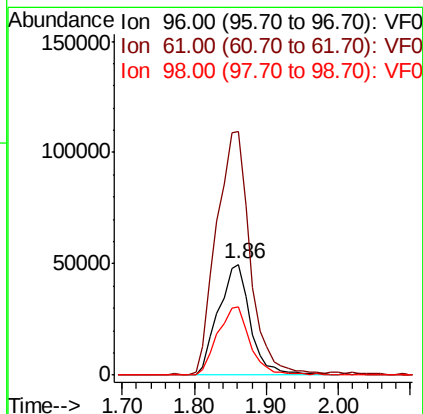
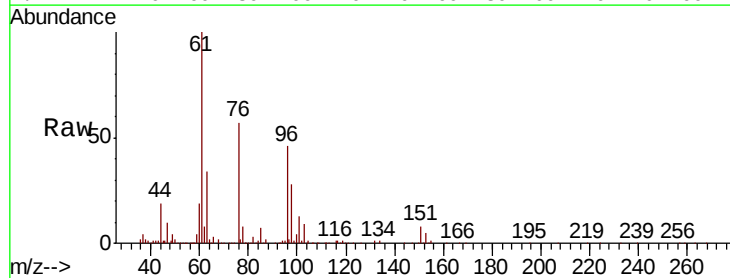
Tgt Ion: 59 Resp: 53027
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.9 13.3

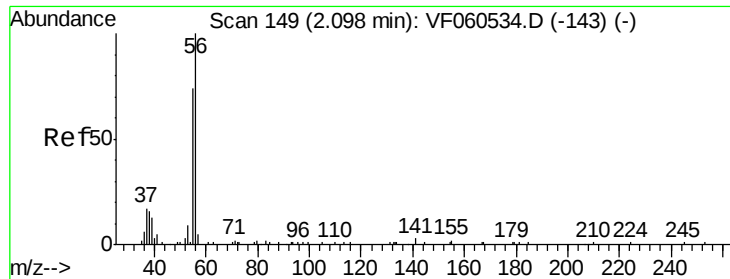


#12

1,1-Dichloroethene
 Concen: 35.209 ug/l
 RT: 1.86 min Scan# 125
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Tgt Ion: 96 Resp: 153728
 Ion Ratio Lower Upper
 96 100
 61 219.3 175.4 263.2
 98 61.1 48.9 73.3





#13

Acrolein

Concen: 158.364 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

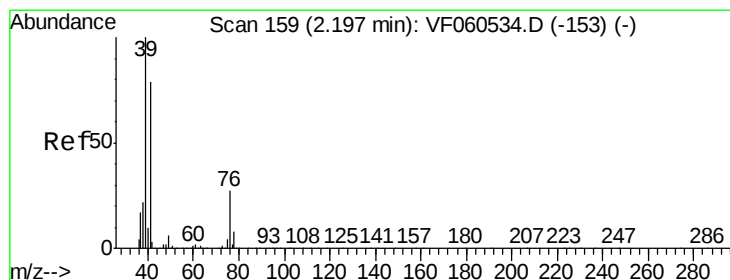
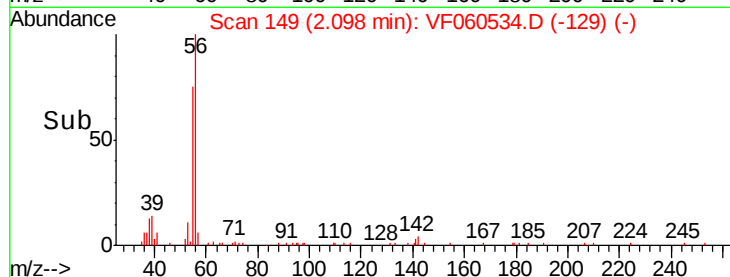
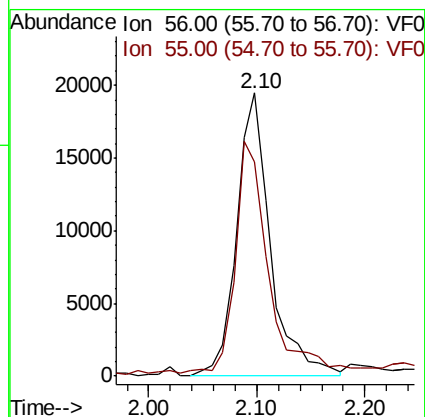
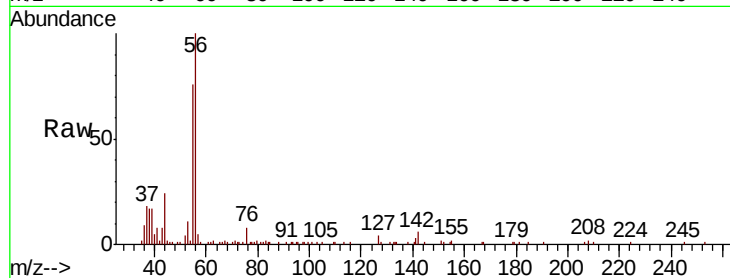
VSTDICCC050

Tgt Ion: 56 Resp: 42263

Ion Ratio Lower Upper

56 100

55 75.5 60.4 90.6



#14

Allyl chloride

Concen: 36.134 ug/l

RT: 2.20 min Scan# 159

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

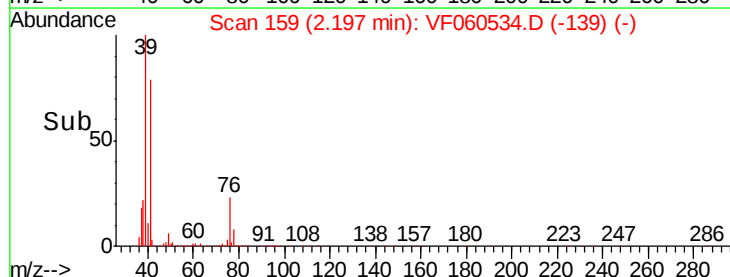
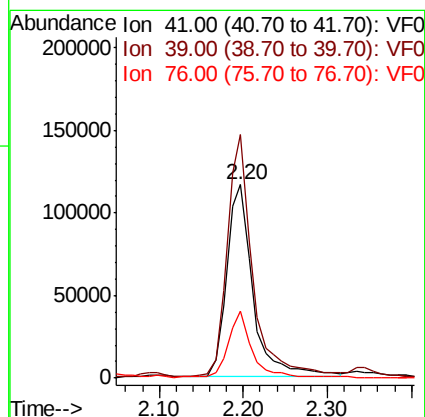
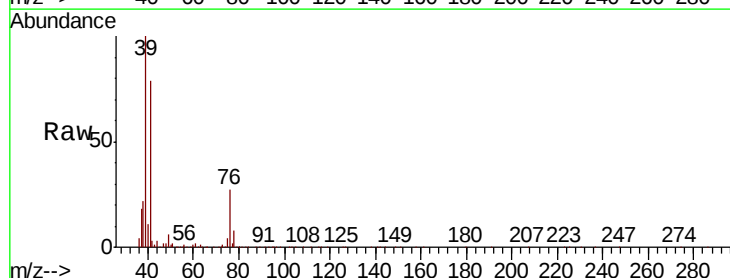
Tgt Ion: 41 Resp: 253185

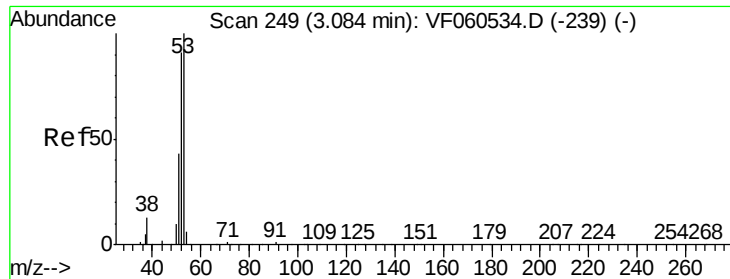
Ion Ratio Lower Upper

41 100

39 125.8 100.6 151.0

76 34.5 27.6 41.4





#15

Acrylonitrile

Concen: 217.752 ug/l

RT: 3.08 min Scan# 249

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

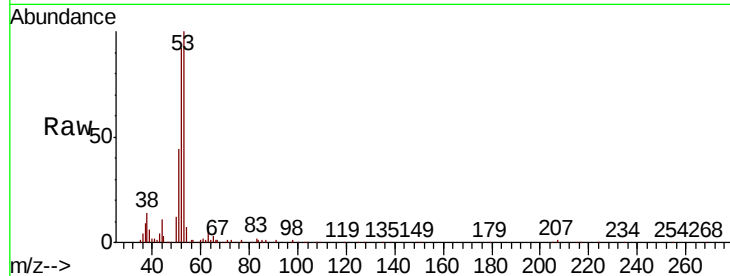
Tgt Ion: 53 Resp: 111961

Ion Ratio Lower Upper

53 100

52 91.5 73.2 109.8

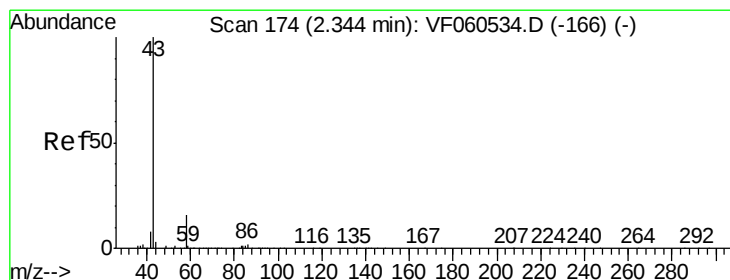
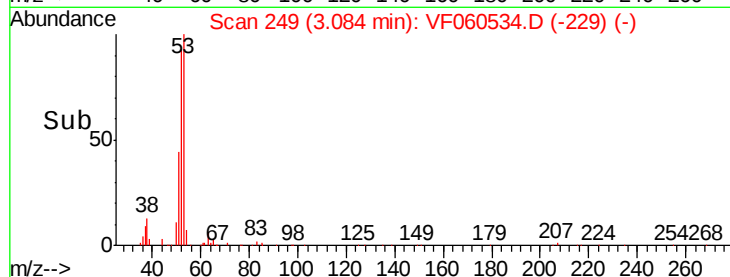
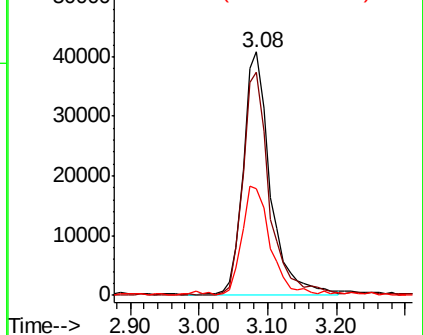
51 43.7 35.0 52.4



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 166.602 ug/l

RT: 2.34 min Scan# 174

Delta R.T. 0.00 min

Lab File: VF060534.D

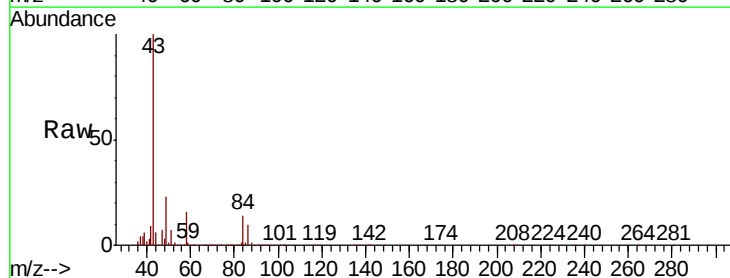
Acq: 29 Oct 2018 17:53

Tgt Ion: 43 Resp: 239872

Ion Ratio Lower Upper

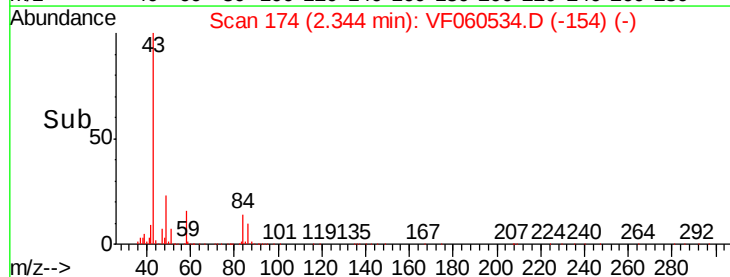
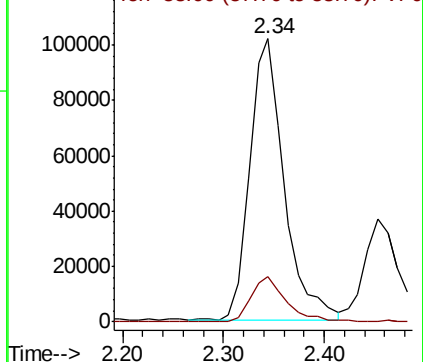
43 100

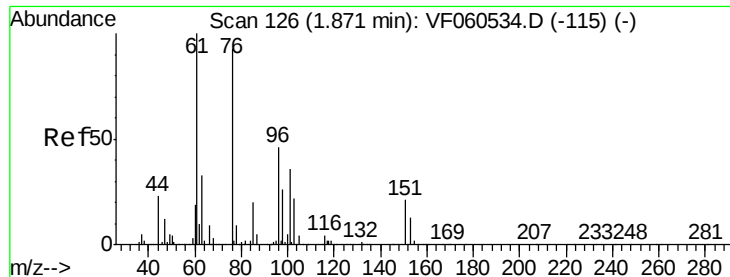
58 16.0 12.8 19.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

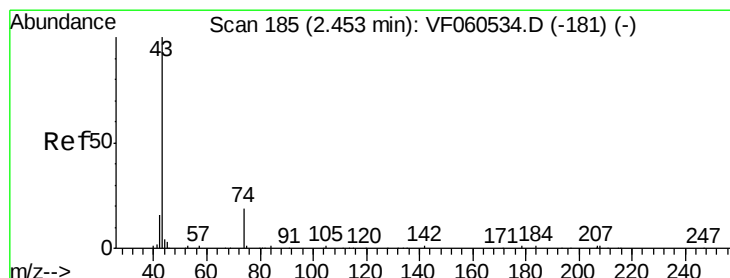
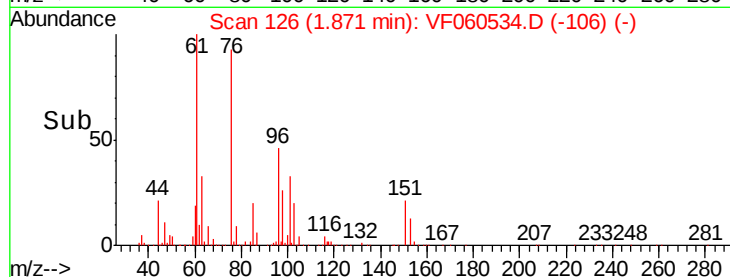
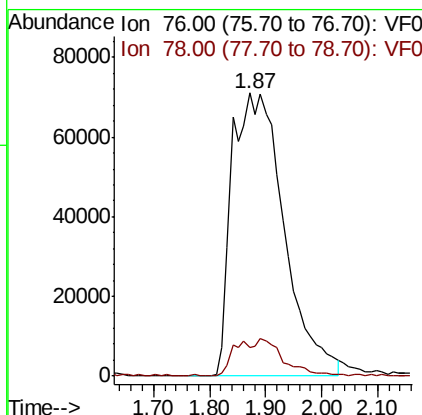
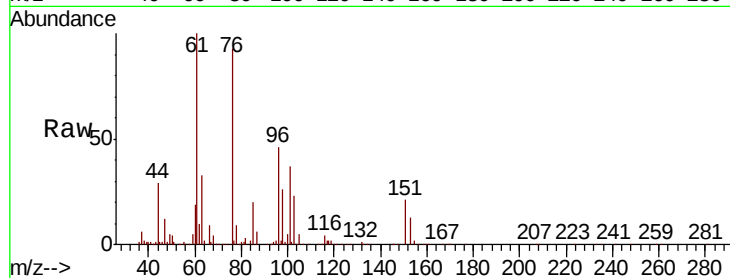




#17
Carbon Disulfide
Concen: 37.374 ug/l
RT: 1.87 min Scan# 126
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

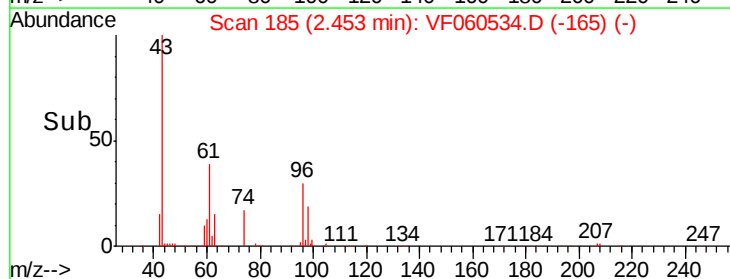
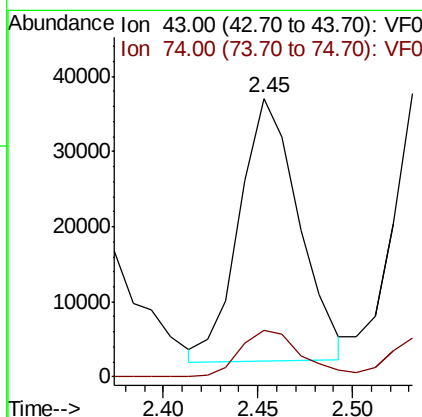
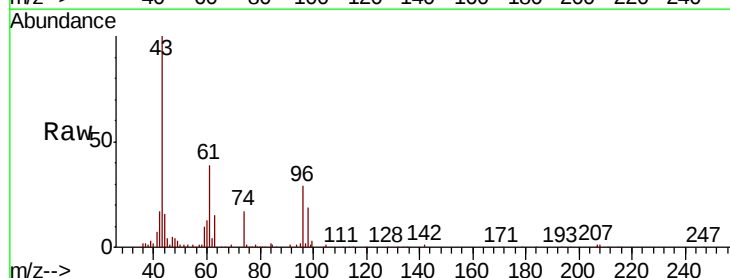
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

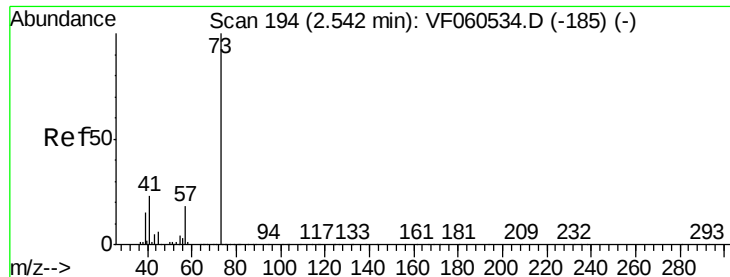
Tgt Ion: 76 Resp: 456448
Ion Ratio Lower Upper
76 100
78 10.0 8.0 12.0



#18
Methyl Acetate
Concen: 37.713 ug/l
RT: 2.45 min Scan# 185
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Tgt Ion: 43 Resp: 76334
Ion Ratio Lower Upper
43 100
74 16.9 13.5 20.3



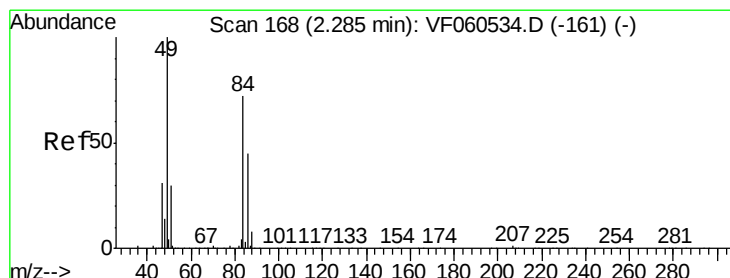
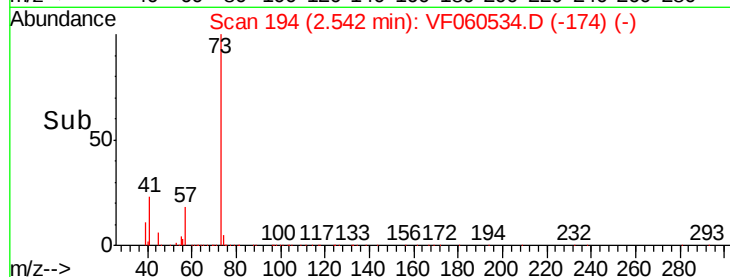
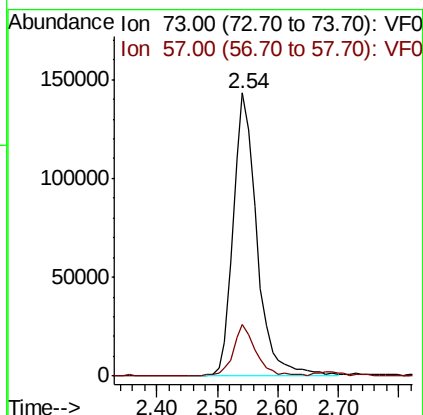
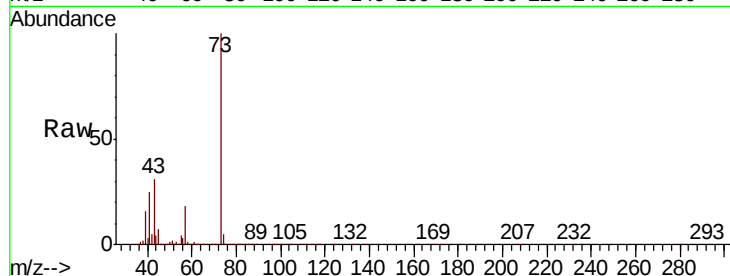


#19

Methyl tert-butyl Ether
 Concen: 35.929 ug/l
 RT: 2.54 min Scan# 194
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

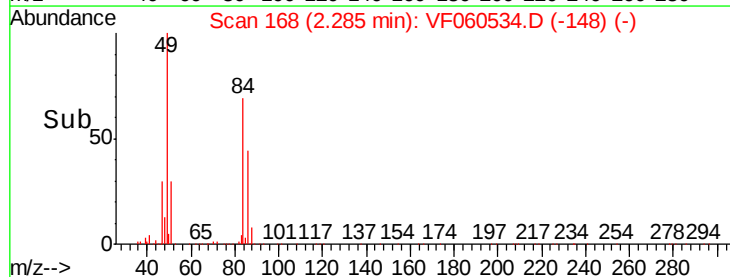
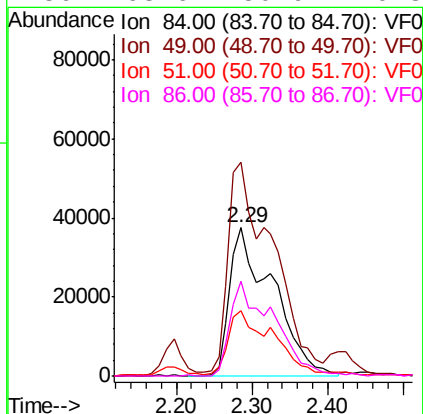
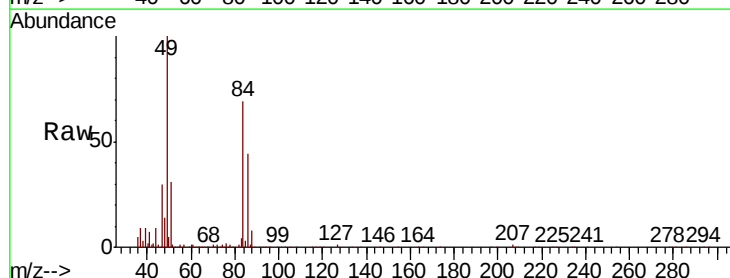
Tgt Ion: 73 Resp: 390196
 Ion Ratio Lower Upper
 73 100
 57 18.4 14.7 22.1

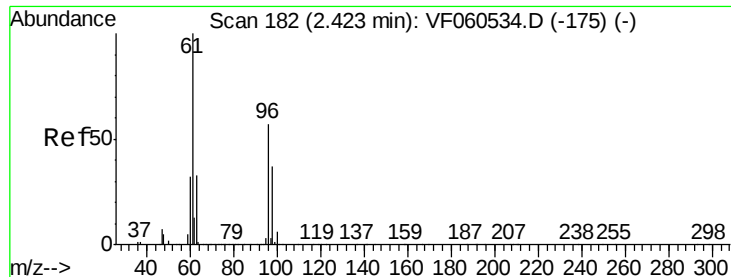


#20

Methylene Chloride
 Concen: 33.666 ug/l
 RT: 2.29 min Scan# 168
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Tgt Ion: 84 Resp: 148369
 Ion Ratio Lower Upper
 84 100
 49 144.2 115.4 173.0
 51 44.3 35.4 53.2
 86 63.6 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 38.211 ug/l

RT: 2.42 min Scan# 182

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

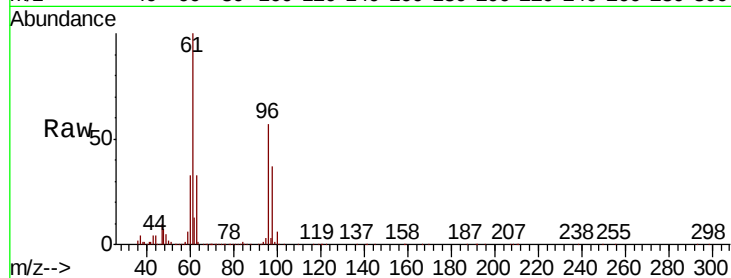
Tgt Ion: 96 Resp: 161968

Ion Ratio Lower Upper

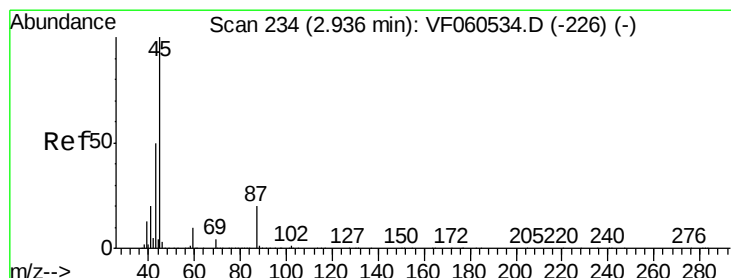
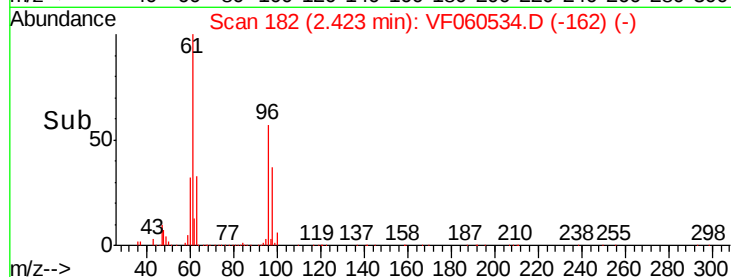
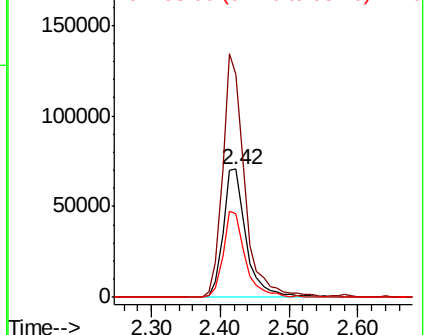
96 100

61 174.7 139.8 209.6

98 65.3 52.2 78.4



Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 39.422 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Tgt Ion: 45 Resp: 493113

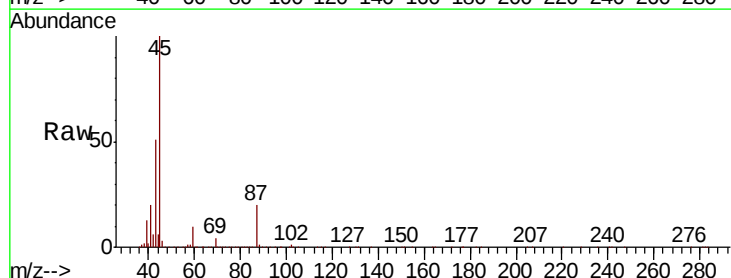
Ion Ratio Lower Upper

45 100

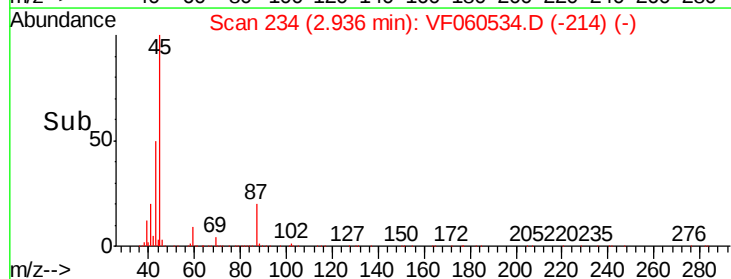
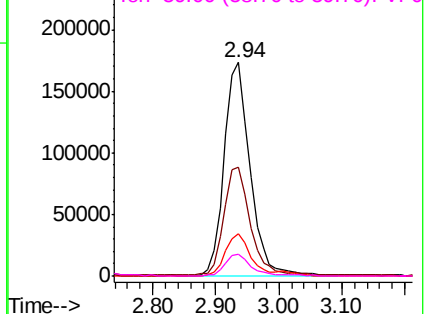
43 50.7 40.6 60.8

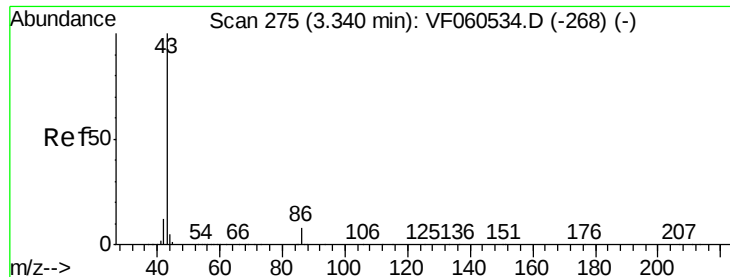
87 19.9 15.9 23.9

59 10.0 8.0 12.0



Abundance Ion 45.00 (44.70 to 45.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 87.00 (86.70 to 87.70): VF0
Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 237.600 ug/l

RT: 3.34 min Scan# 275

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

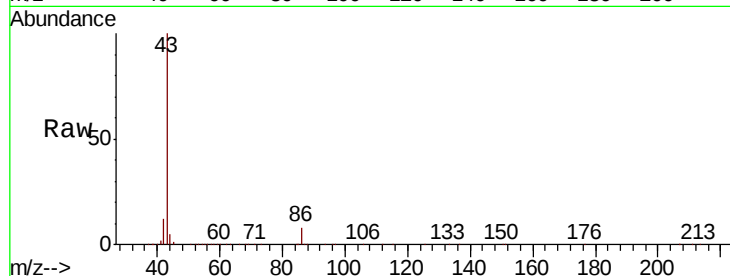
VSTDICCC050

Tgt Ion: 43 Resp: 972667

Ion Ratio Lower Upper

43 100

86 7.7 6.2 9.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.34

400000

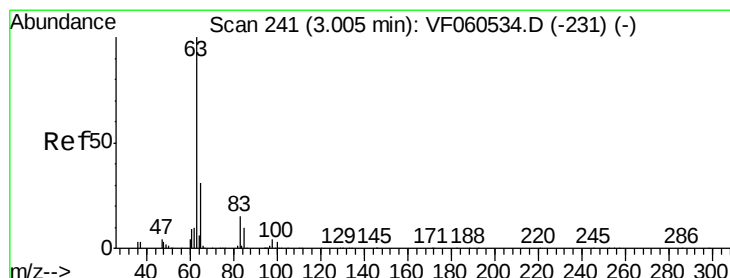
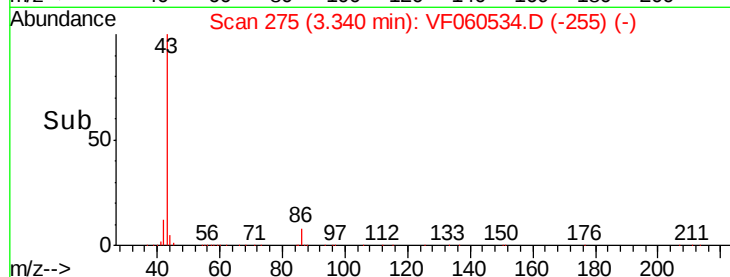
300000

200000

100000

0

Time--> 3.20 3.30 3.40 3.50



#24

1,1-Dichloroethane

Concen: 35.211 ug/l

RT: 3.00 min Scan# 241

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

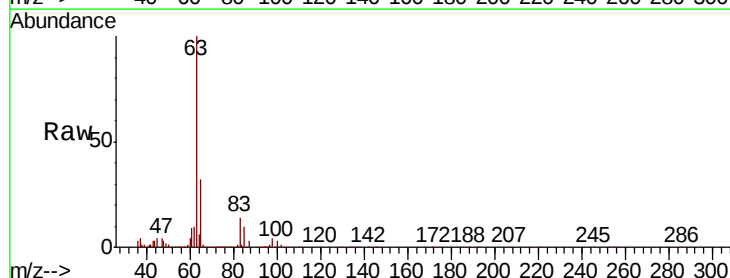
Tgt Ion: 63 Resp: 331075

Ion Ratio Lower Upper

63 100

98 4.0 2.0 6.0

100 2.7 1.4 4.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

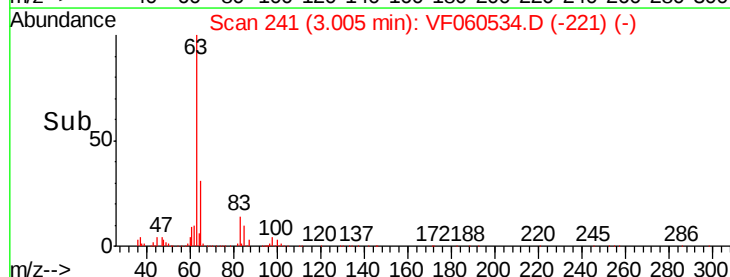
150000

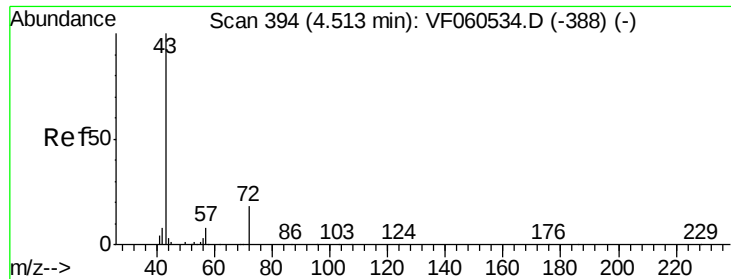
100000

50000

0

Time--> 2.80 2.90 3.00 3.10 3.20





#25

2-Butanone

Concen: 248.149 ug/l

RT: 4.51 min Scan# 394

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

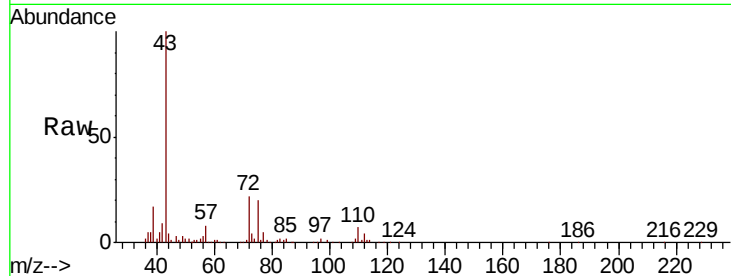
VSTDICCC050

Tgt Ion: 43 Resp: 286700

Ion Ratio Lower Upper

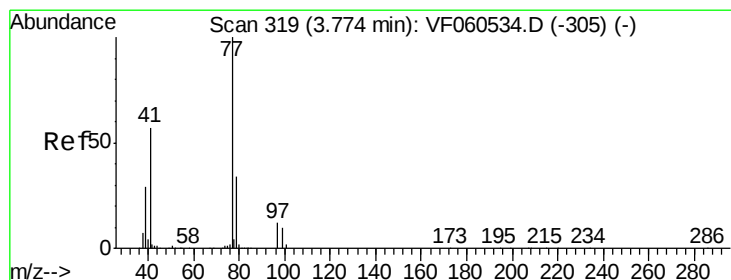
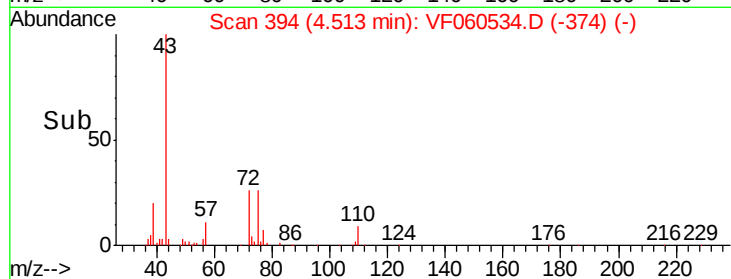
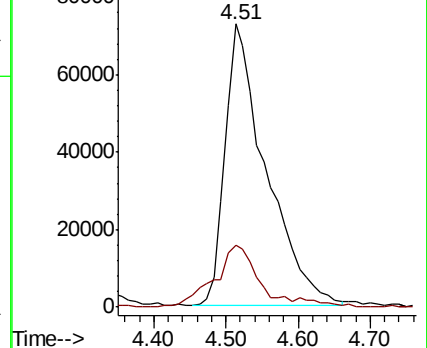
43 100

72 21.7 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 37.273 ug/l

RT: 3.77 min Scan# 319

Delta R.T. 0.00 min

Lab File: VF060534.D

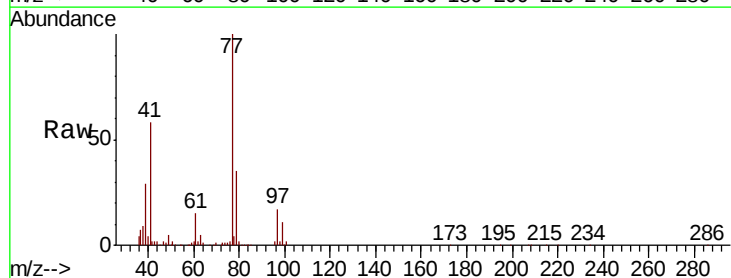
Acq: 29 Oct 2018 17:53

Tgt Ion: 77 Resp: 233134

Ion Ratio Lower Upper

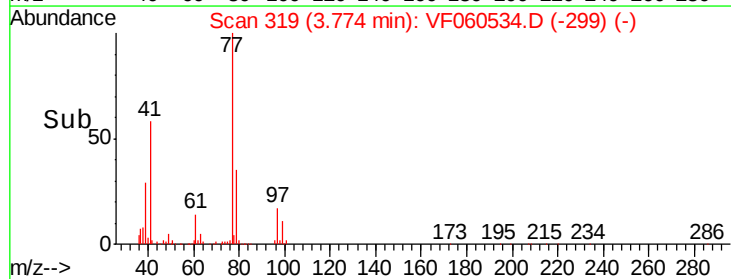
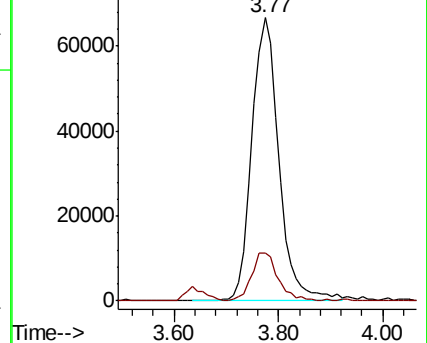
77 100

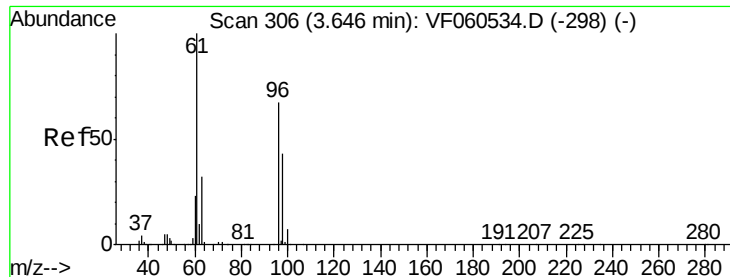
97 17.0 8.5 25.5



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



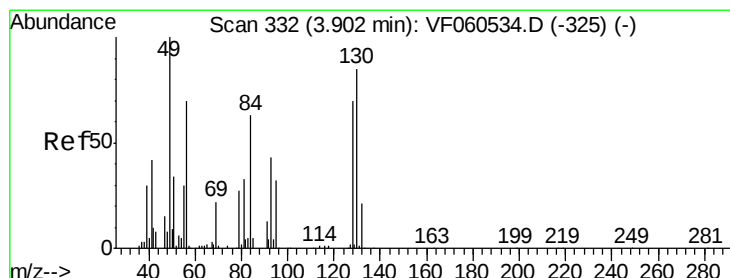
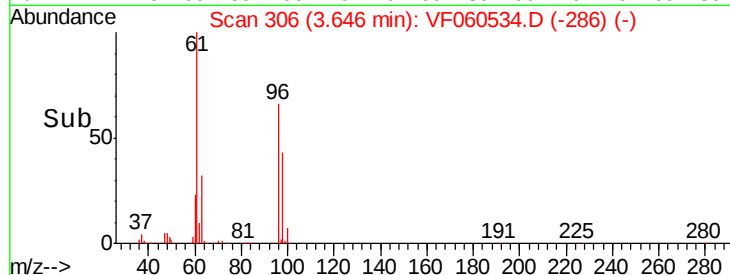
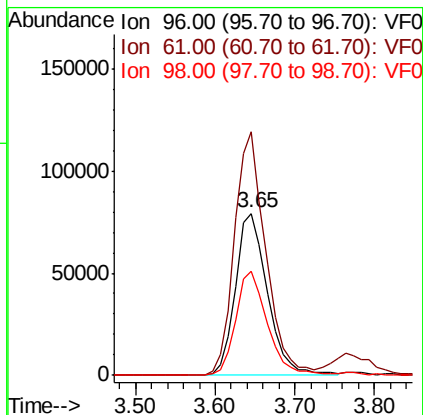
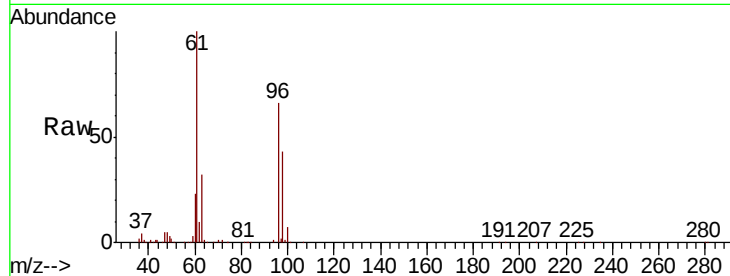


#27

cis-1,2-Dichloroethene
 Concen: 52.674 ug/l
 RT: 3.65 min Scan# 306
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

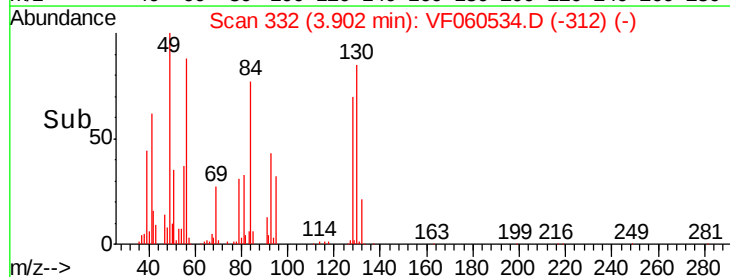
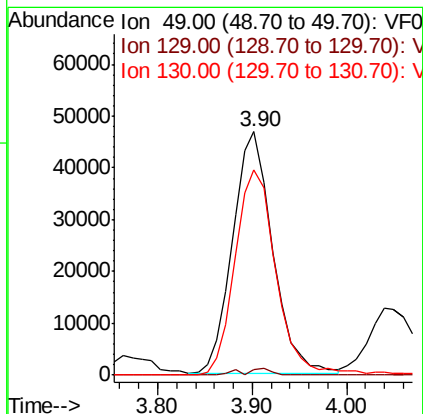
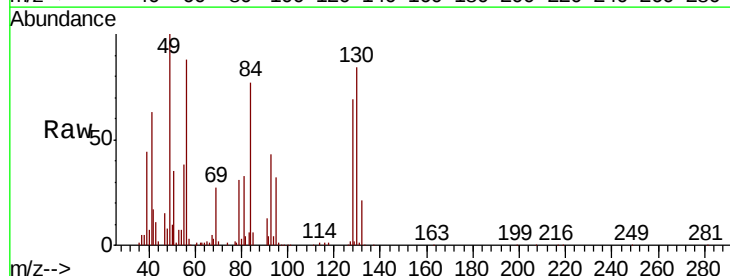
Tgt Ion: 96 Resp: 221901
 Ion Ratio Lower Upper
 96 100
 61 150.4 0.0 300.8
 98 64.2 0.0 128.4

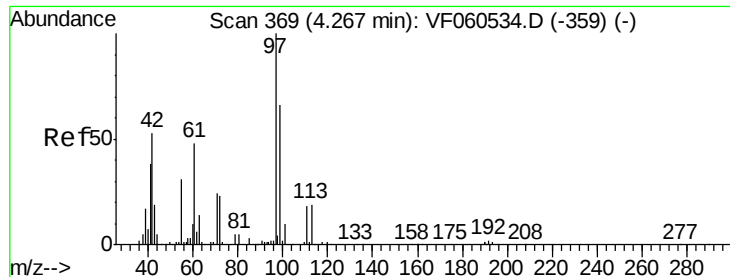


#28

Bromochloromethane
 Concen: 47.281 ug/l
 RT: 3.90 min Scan# 332
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Tgt Ion: 49 Resp: 138046
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 4.8
 130 84.4 67.5 101.3





#29

Tetrahydrofuran

Concen: 243.551 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

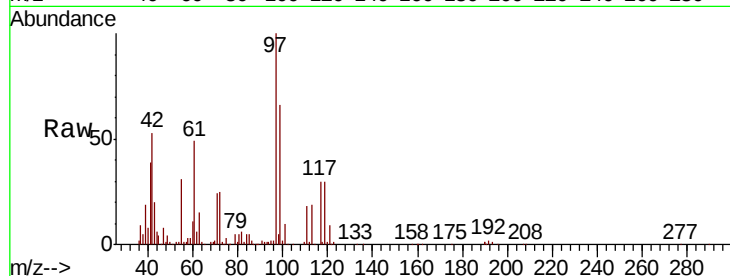
Tgt Ion: 42 Resp: 110177

Ion Ratio Lower Upper

42 100

72 40.6 32.5 48.7

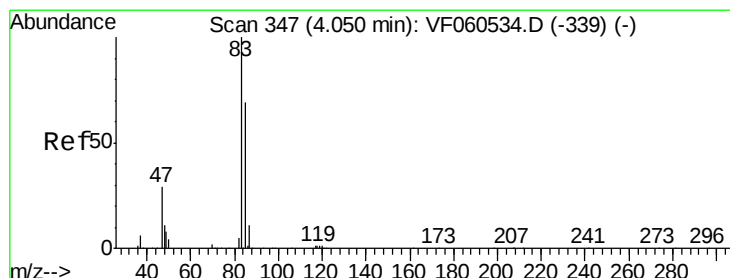
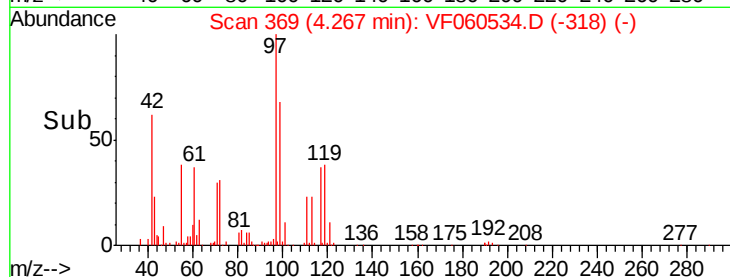
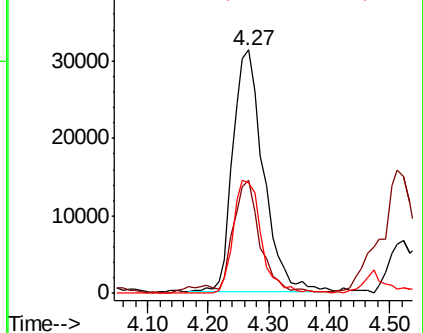
71 43.1 34.5 51.7



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 41.401 ug/l

RT: 4.05 min Scan# 347

Delta R.T. 0.00 min

Lab File: VF060534.D

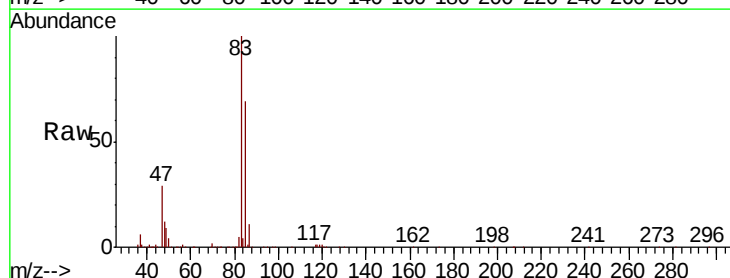
Acq: 29 Oct 2018 17:53

Tgt Ion: 83 Resp: 460317

Ion Ratio Lower Upper

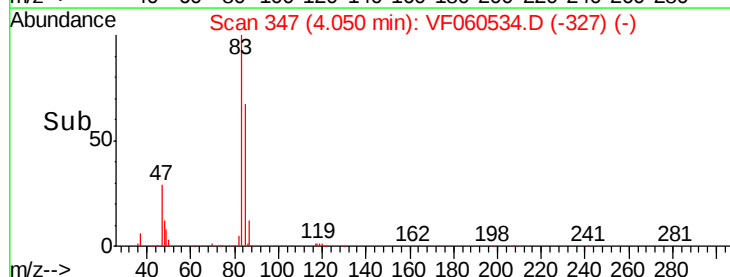
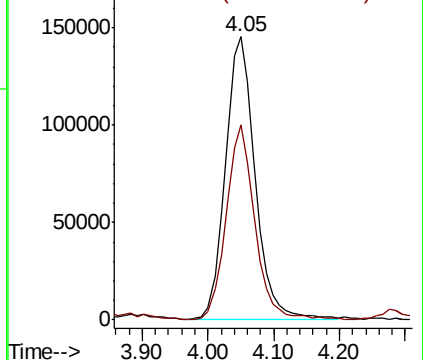
83 100

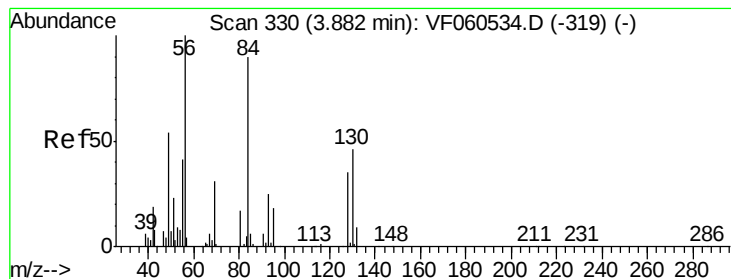
85 68.7 55.0 82.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 50.821 ug/l

RT: 3.88 min Scan# 330

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

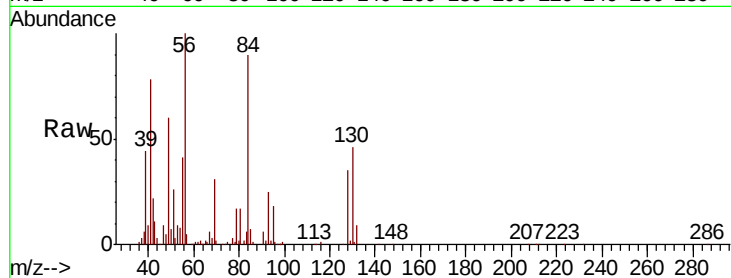
Tgt Ion: 56 Resp: 254219

Ion Ratio Lower Upper

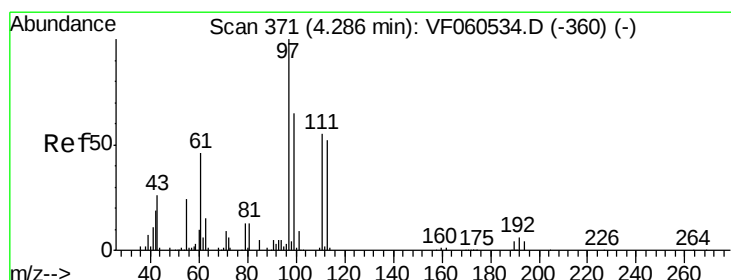
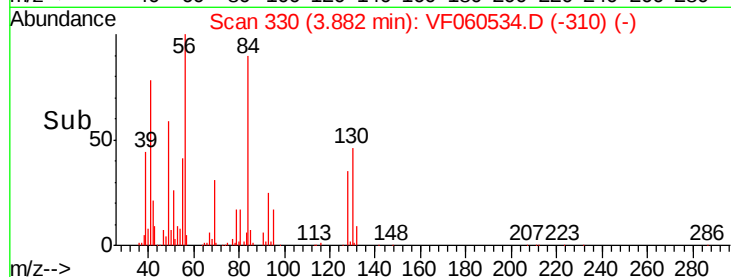
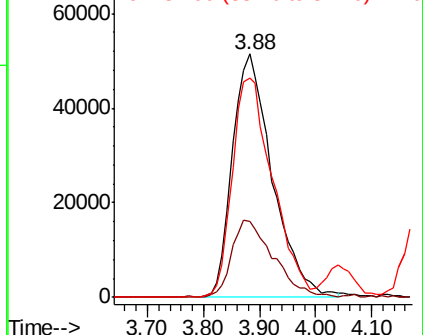
56 100

69 31.3 25.0 37.6

84 90.1 72.1 108.1



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 38.351 ug/l

RT: 4.29 min Scan# 371

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

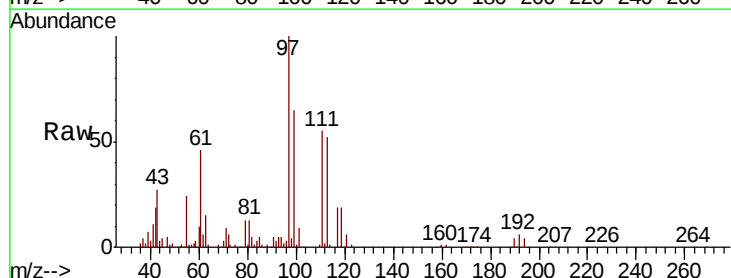
Tgt Ion: 97 Resp: 387246

Ion Ratio Lower Upper

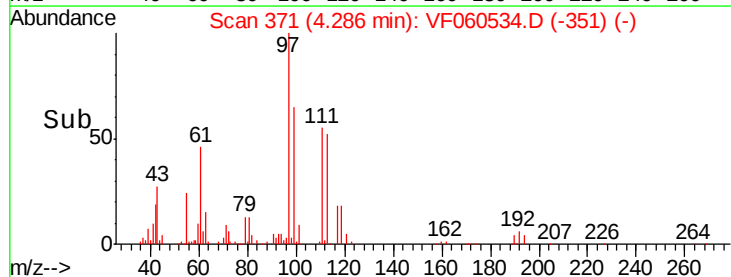
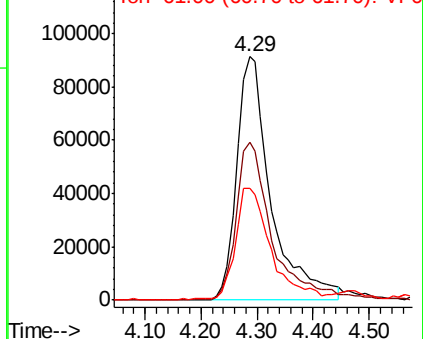
97 100

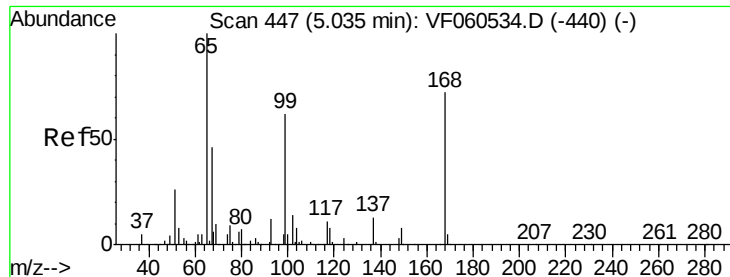
99 64.6 51.7 77.5

61 46.0 36.8 55.2



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0

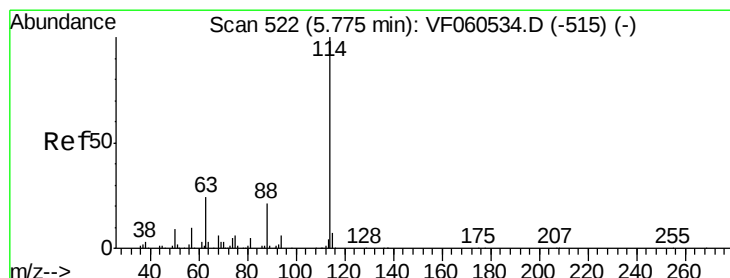
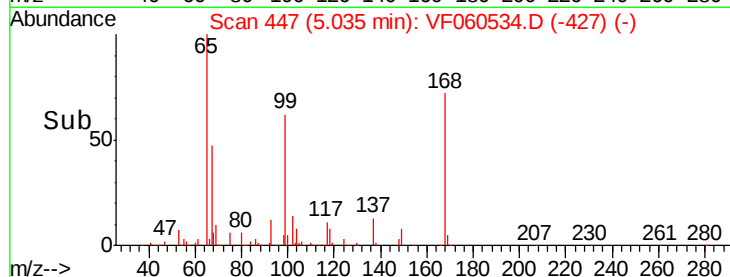
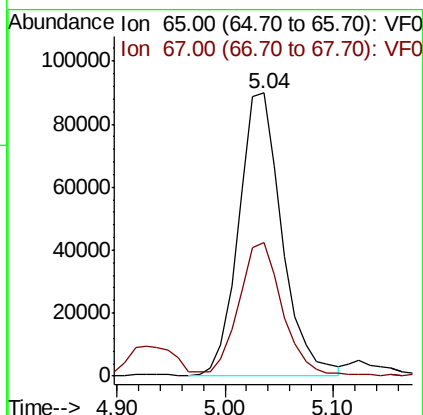
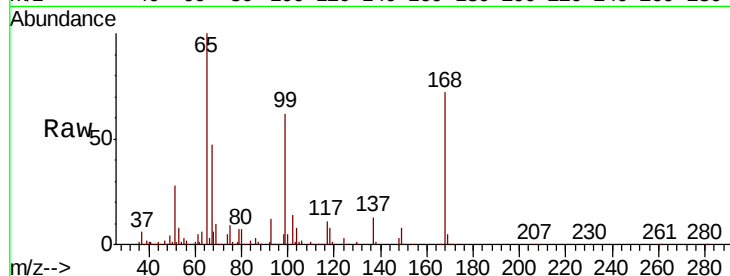




#33
 1,2-Dichloroethane-d4
 Concen: 40.639 ug/l
 RT: 5.04 min Scan# 447
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

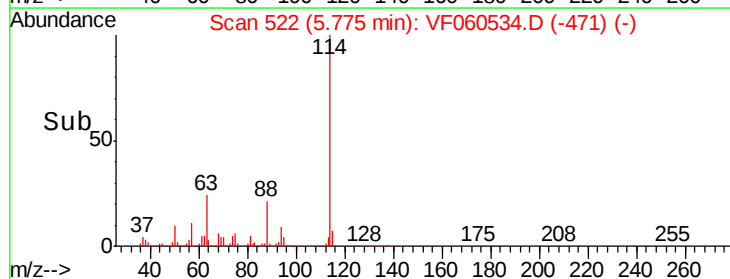
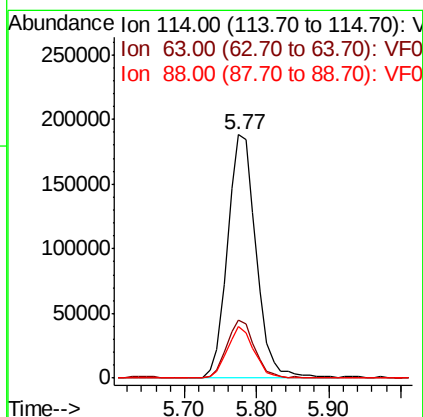
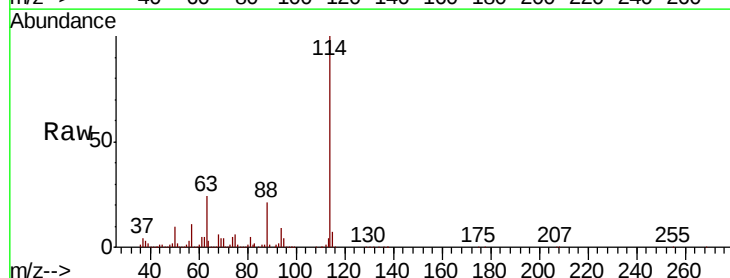
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

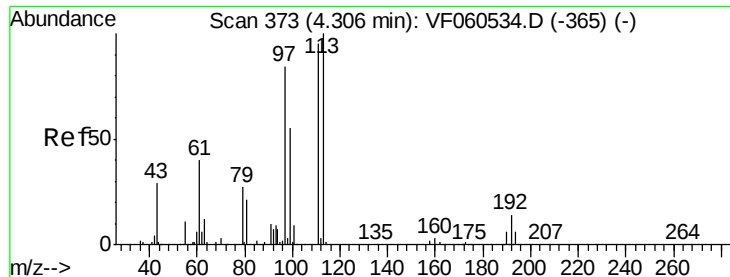
Tgt Ion: 65 Resp: 249838
 Ion Ratio Lower Upper
 65 100
 67 47.2 0.0 94.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Tgt Ion: 114 Resp: 519129
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 48.0
 88 21.0 0.0 42.0

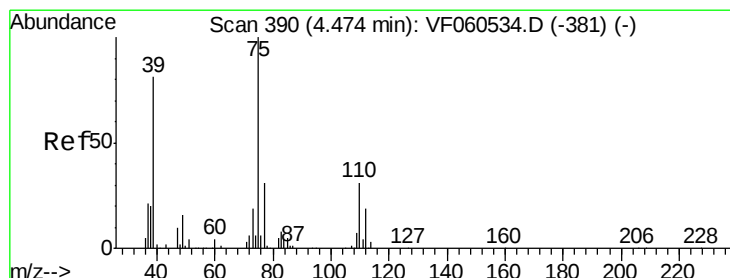
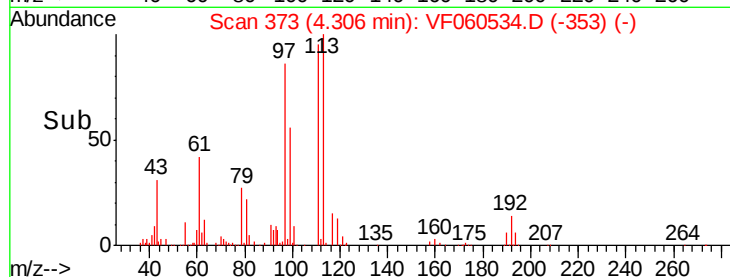
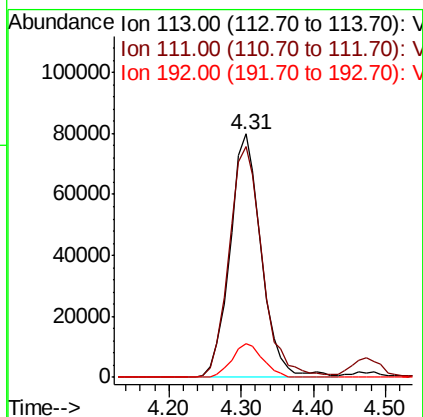
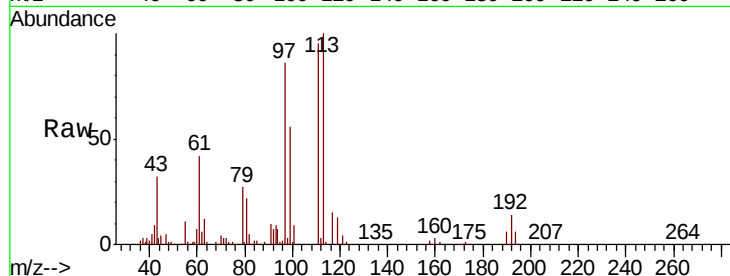




#35
 Dibromofluoromethane
 Concen: 40.151 ug/l
 RT: 4.31 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

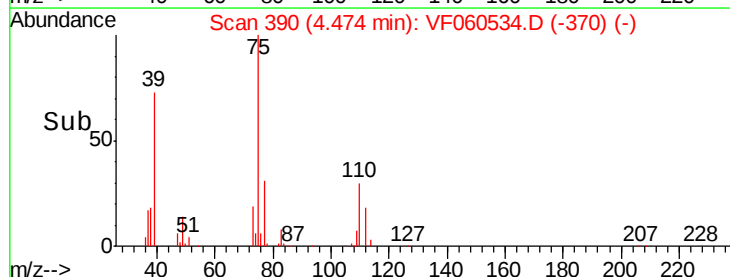
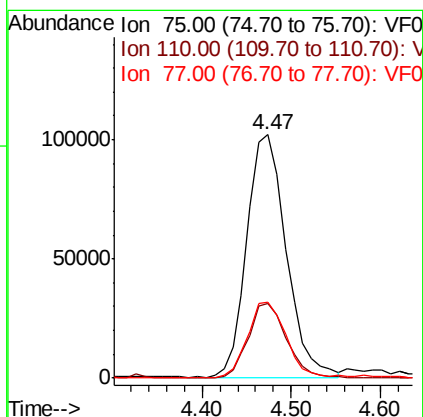
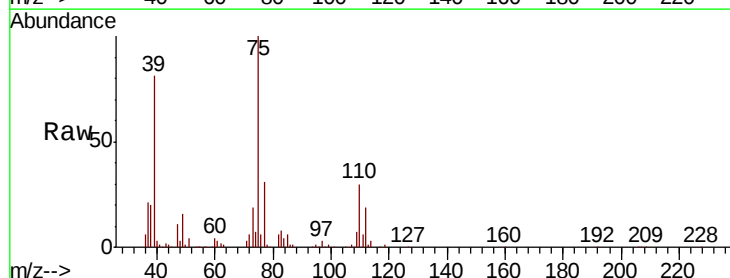
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

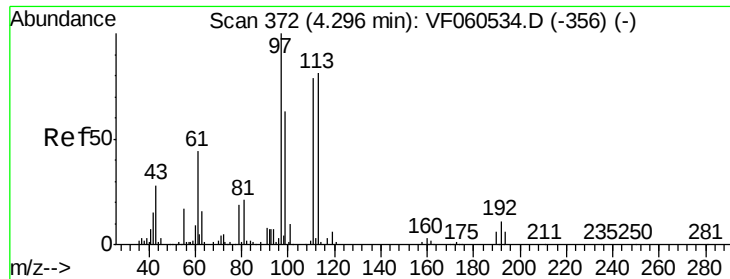
Tgt Ion	Ratio	Lower	Upper
113	100		
111	94.9	75.9	113.9
192	14.0	11.2	16.8



#36
 1,1-Dichloropropene
 Concen: 41.513 ug/l
 RT: 4.47 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.5	15.3	45.8
77	31.0	24.8	37.2

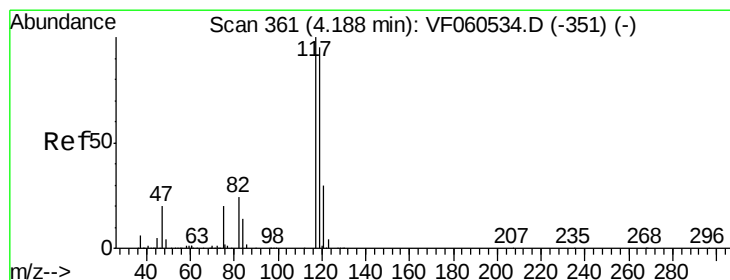
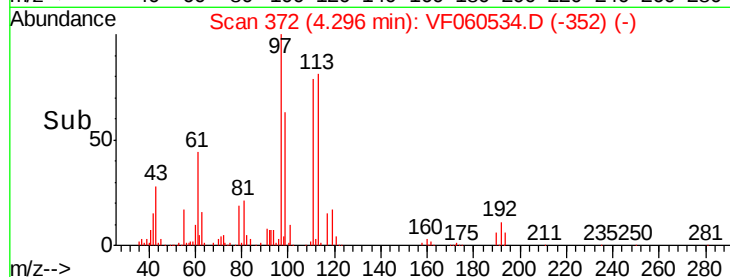
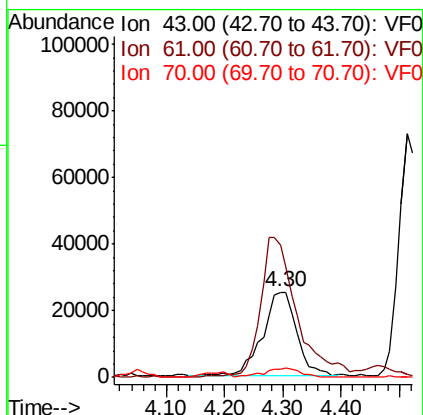
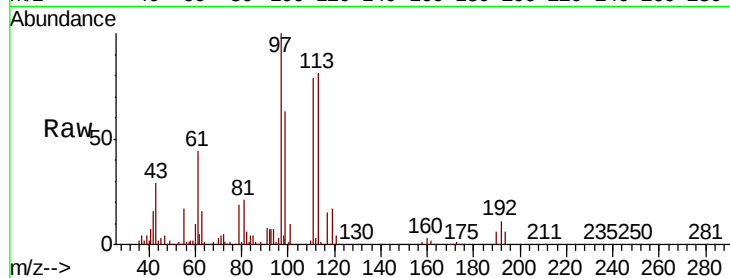




#37
Ethyl Acetate
Concen: 41.538 ug/l
RT: 4.30 min Scan# 372
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

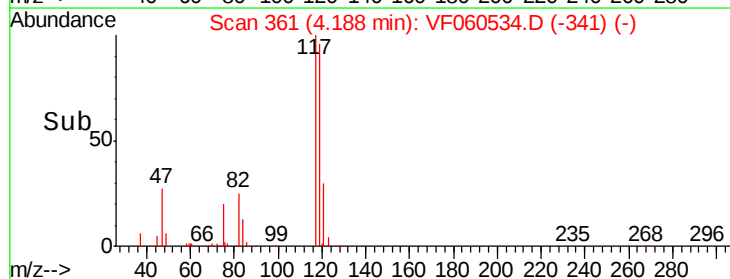
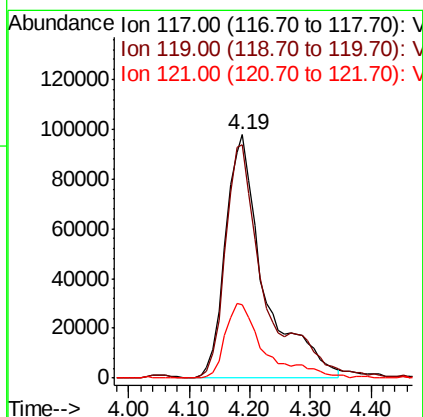
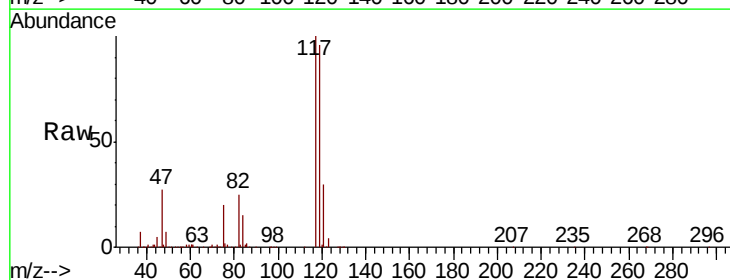
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

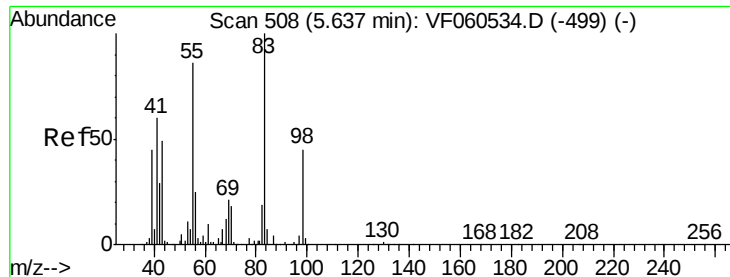
Tgt Ion: 43 Resp: 103180
Ion Ratio Lower Upper
43 100
61 154.9 123.9 185.9
70 9.1 7.3 10.9



#38
Carbon Tetrachloride
Concen: 39.324 ug/l
RT: 4.19 min Scan# 361
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Tgt Ion: 117 Resp: 431095
Ion Ratio Lower Upper
117 100
119 95.6 76.5 114.7
121 30.4 24.3 36.5

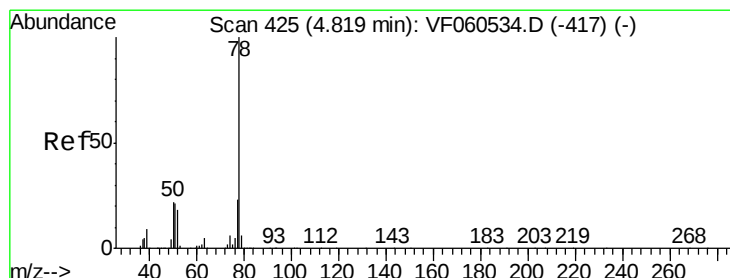
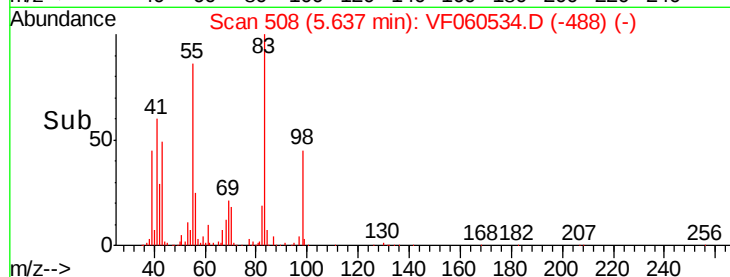
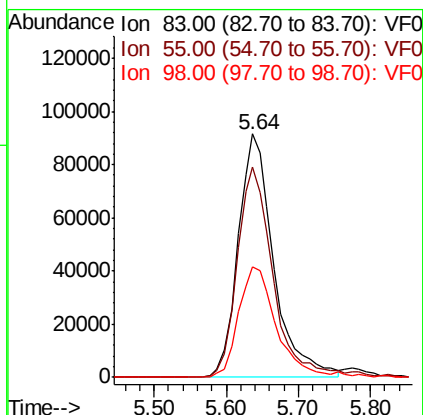
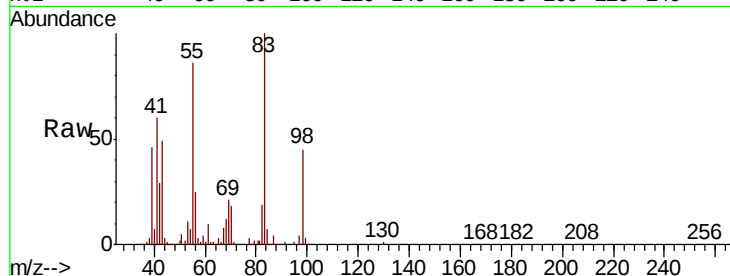




#39
Methylcyclohexane
Concen: 49.510 ug/l
RT: 5.64 min Scan# 508
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

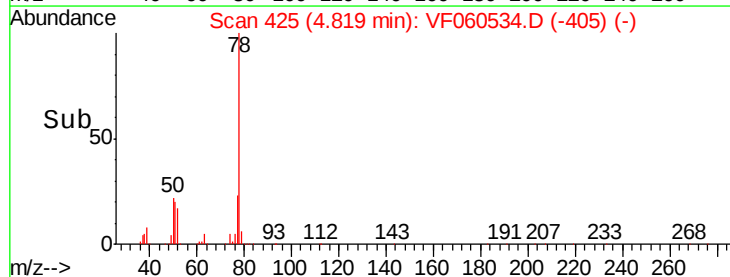
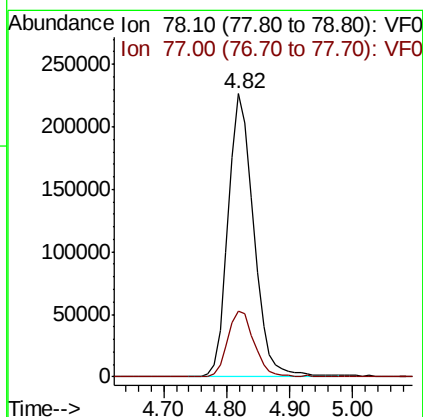
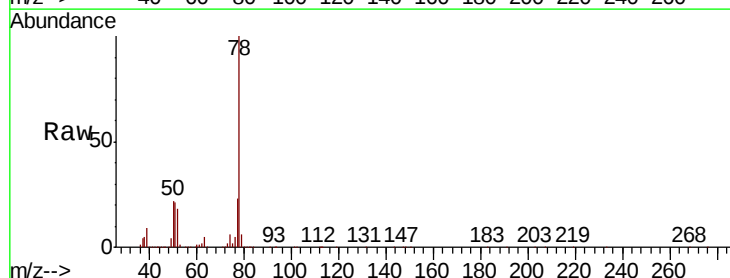
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

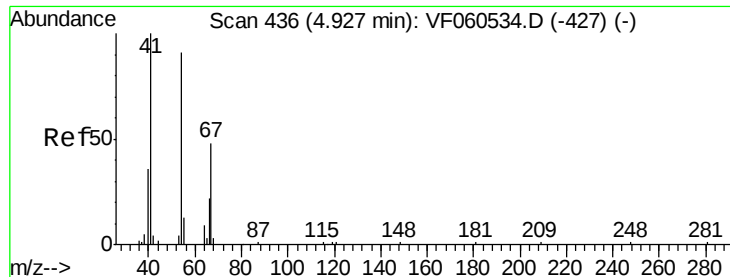
Tgt Ion: 83 Resp: 313846
Ion Ratio Lower Upper
83 100
55 86.2 69.0 103.4
98 45.1 36.1 54.1



#40
Benzene
Concen: 49.739 ug/l
RT: 4.82 min Scan# 425
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Tgt Ion: 78 Resp: 637007
Ion Ratio Lower Upper
78 100
77 23.1 18.5 27.7

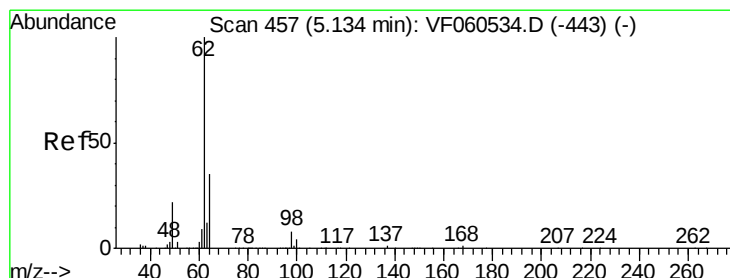
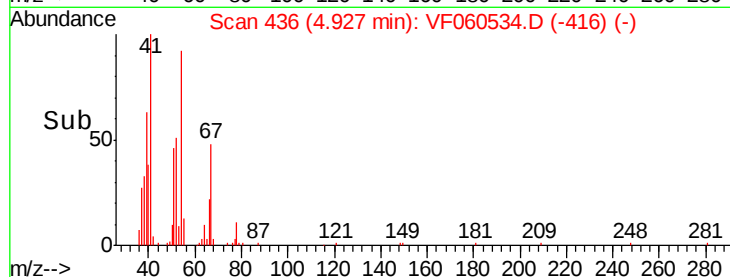
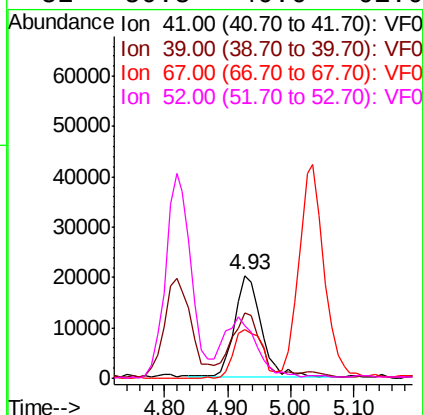
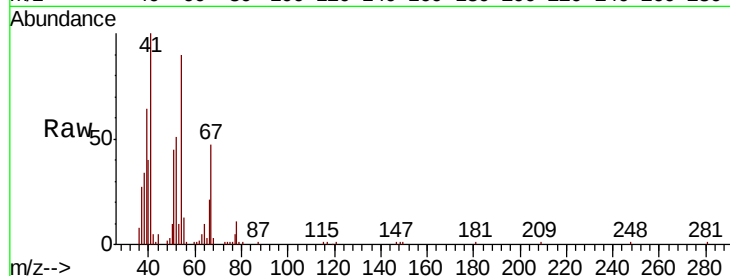




#41
Methacrylonitrile
Concen: 46.150 ug/l
RT: 4.93 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

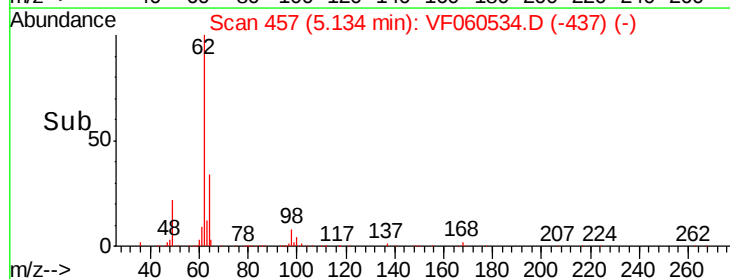
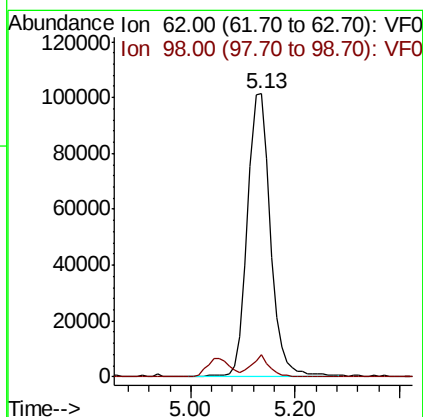
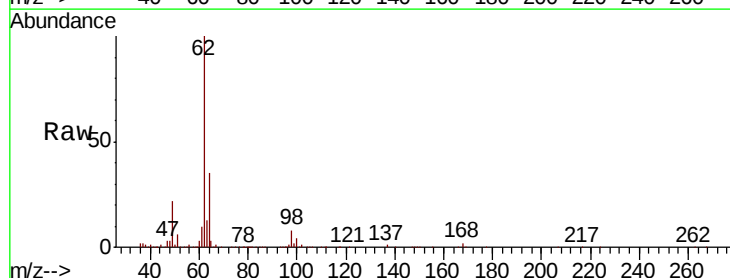
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

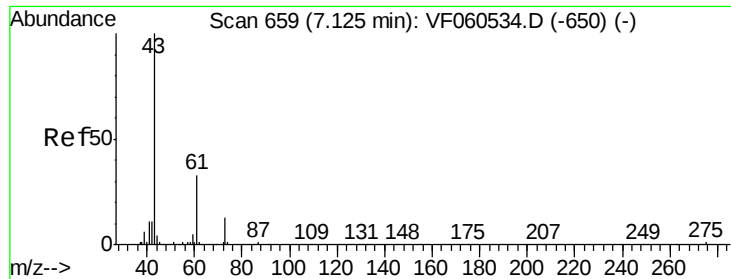
Tgt Ion:	41	Resp:	59011
Ion	Ratio	Lower	Upper
41	100		
39	63.8	51.0	76.6
67	47.5	38.0	57.0
52	50.8	40.6	61.0



#42
1,2-Dichloroethane
Concen: 38.790 ug/l
RT: 5.13 min Scan# 457
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Tgt Ion:	62	Resp:	303128
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8

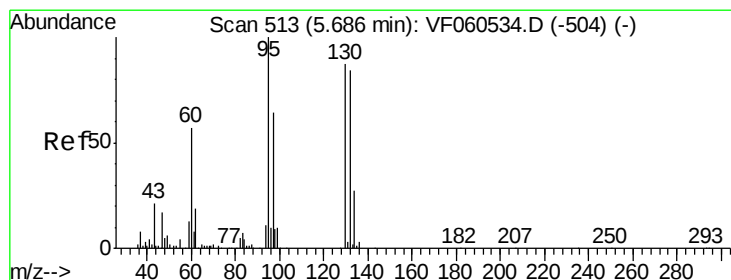
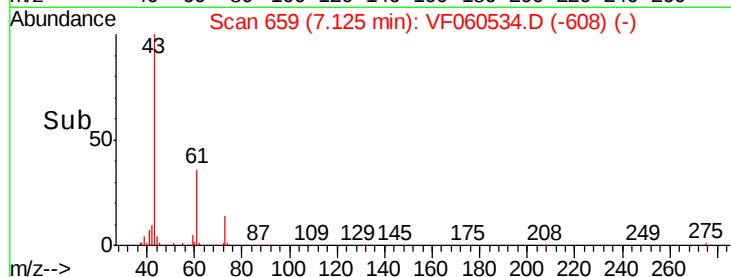
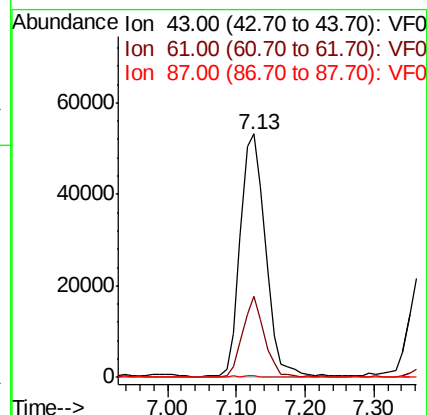
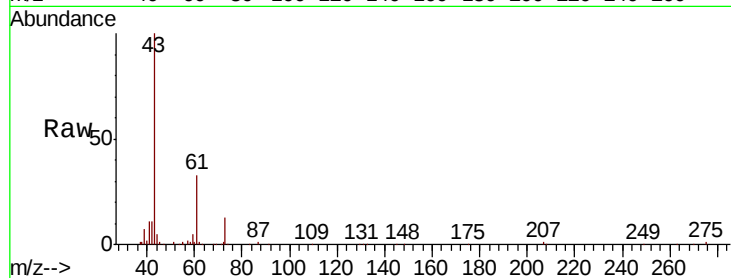




#43
Isopropyl Acetate
Concen: 50.373 ug/l
RT: 7.13 min Scan# 659
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

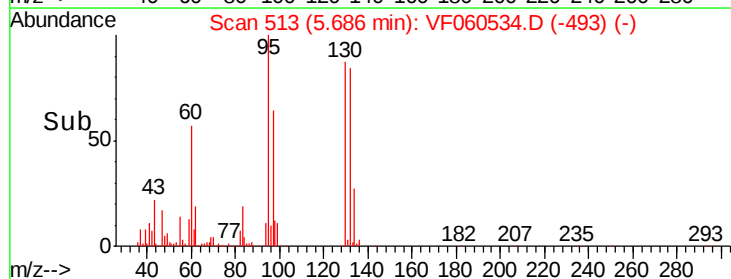
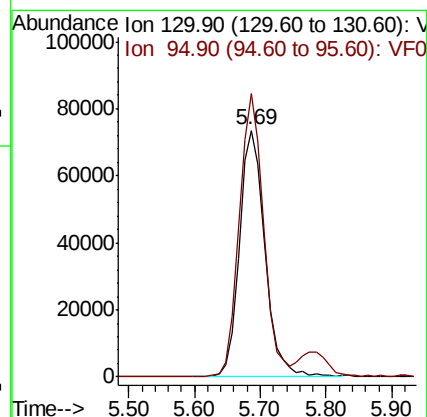
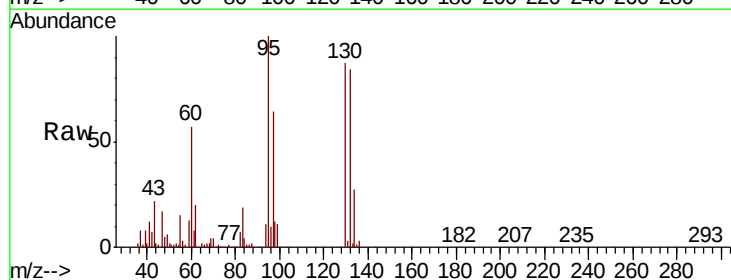
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

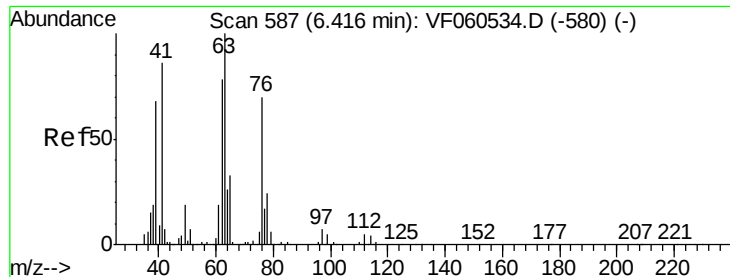
Tgt Ion: 43 Resp: 134916
Ion Ratio Lower Upper
43 100
61 33.3 26.6 40.0
87 0.8 0.6 1.0



#44
Trichloroethene
Concen: 45.484 ug/l
RT: 5.69 min Scan# 513
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Tgt Ion: 130 Resp: 199655
Ion Ratio Lower Upper
130 100
95 114.7 0.0 229.4





#45

1,2-Dichloropropane

Concen: 48.377 ug/l

RT: 6.42 min Scan# 587

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

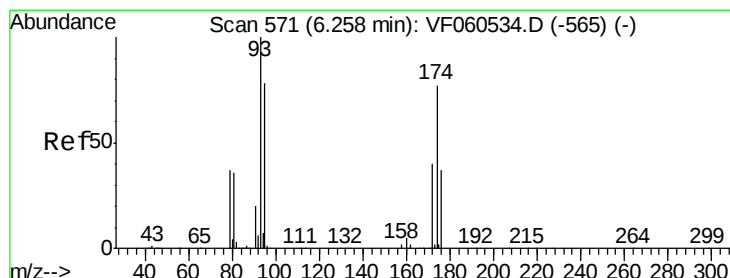
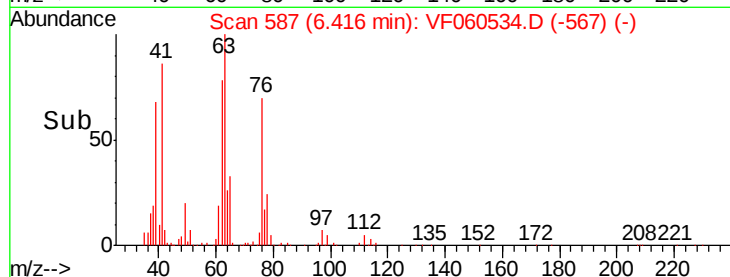
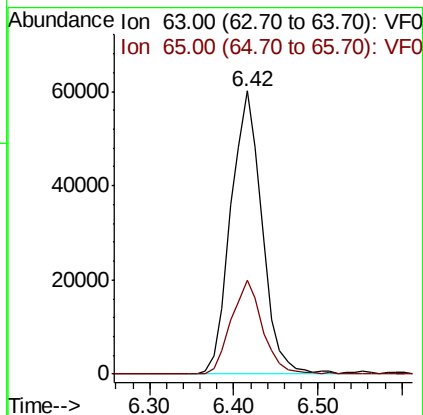
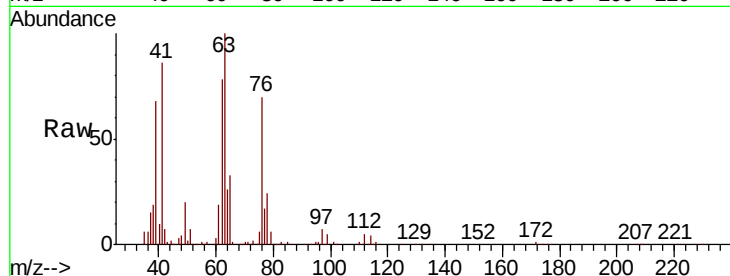
VSTDICCC050

Tgt Ion: 63 Resp: 155253

Ion Ratio Lower Upper

63 100

65 33.1 26.5 39.7



#46

Dibromomethane

Concen: 43.887 ug/l

RT: 6.26 min Scan# 571

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

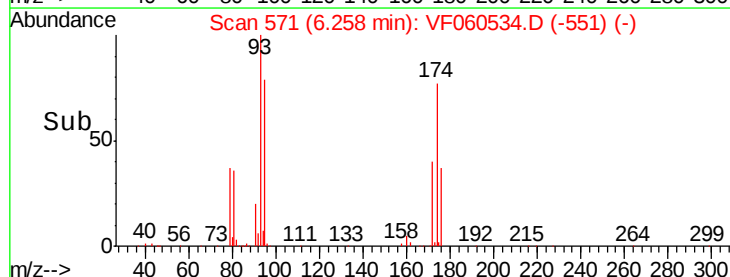
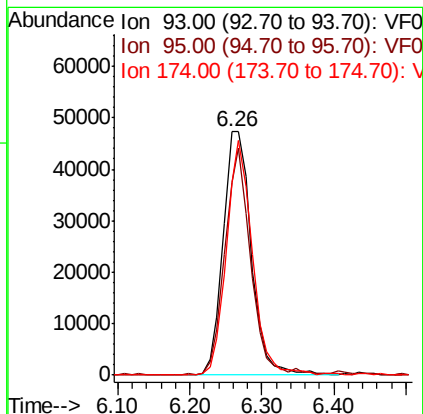
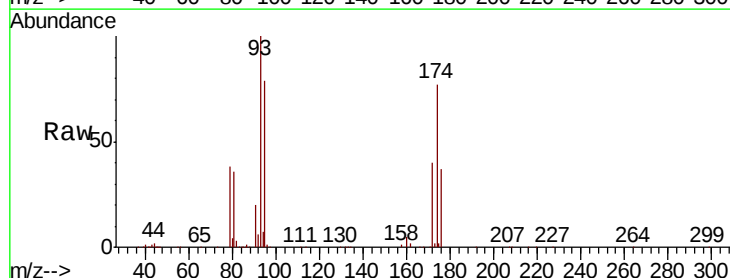
Tgt Ion: 93 Resp: 129434

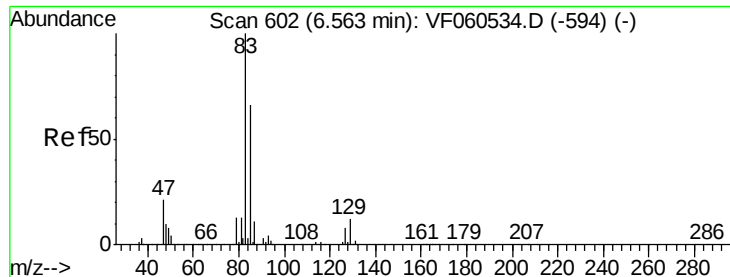
Ion Ratio Lower Upper

93 100

95 80.4 64.3 96.5

174 79.1 63.3 94.9





#47

Bromodichloromethane

Concen: 41.172 ug/l

RT: 6.56 min Scan# 602

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

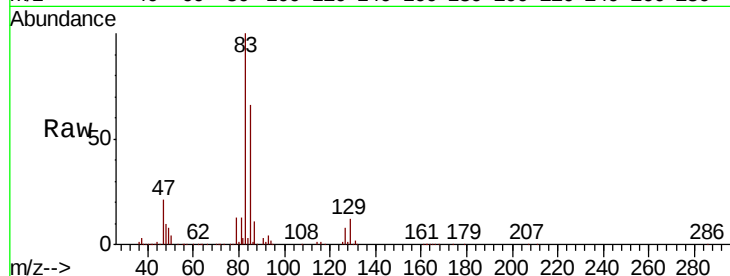
Tgt Ion: 83 Resp: 335394

Ion Ratio Lower Upper

83 100

85 65.9 52.7 79.1

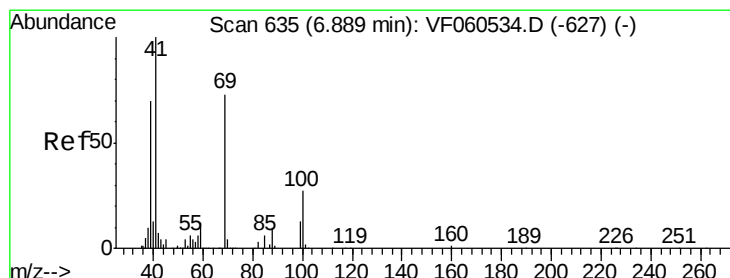
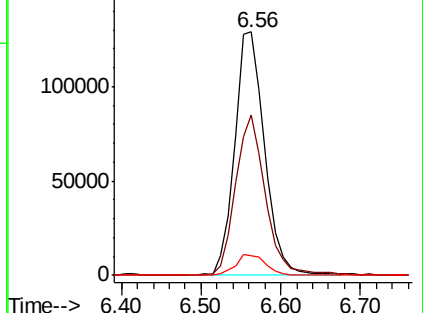
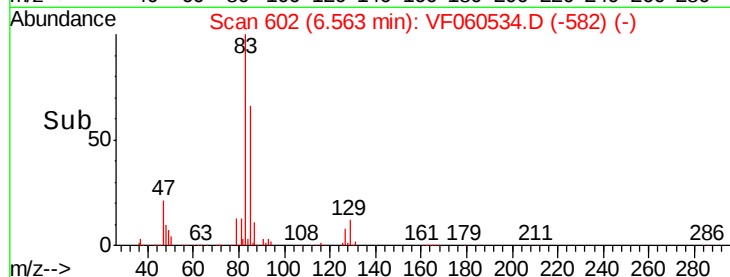
127 8.0 6.4 9.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 49.164 ug/l

RT: 6.89 min Scan# 635

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

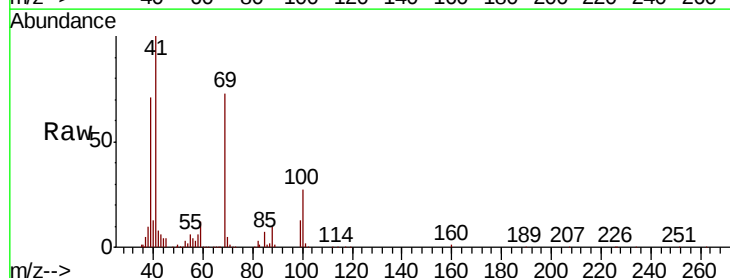
Tgt Ion: 41 Resp: 97500

Ion Ratio Lower Upper

41 100

69 73.0 58.4 87.6

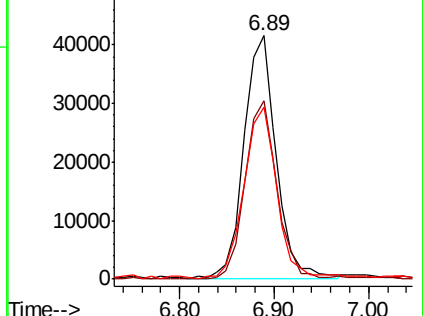
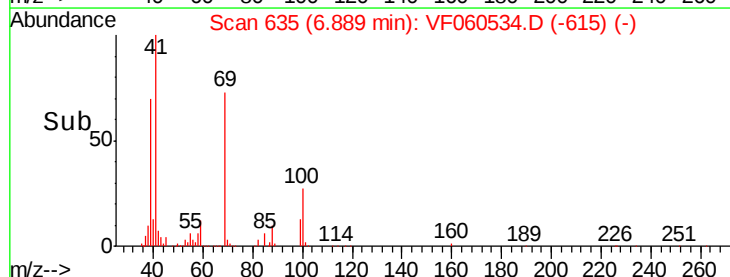
39 70.5 56.4 84.6

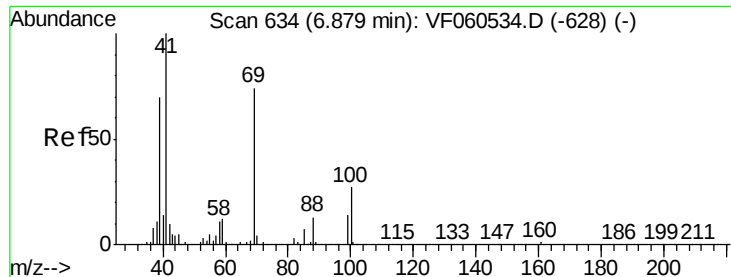


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

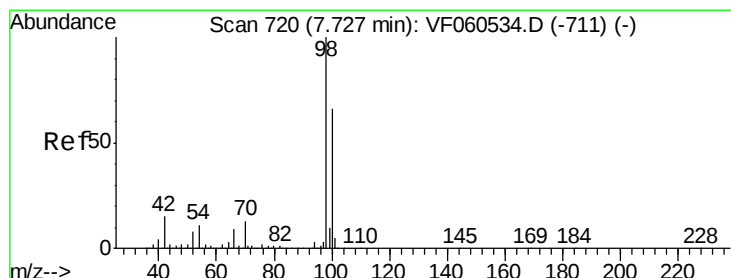
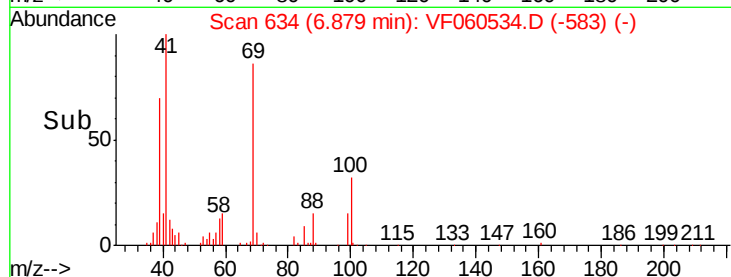
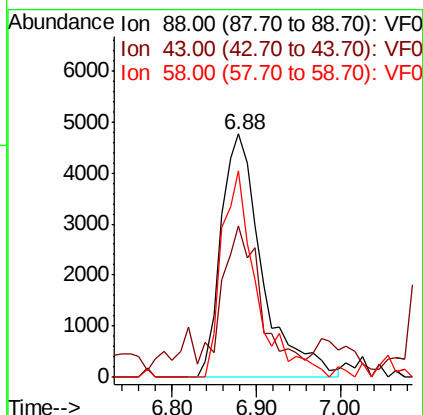
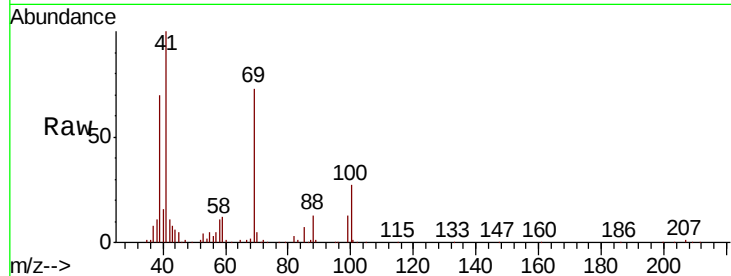




#49
 1,4-Dioxane
 Concen: 927.492 ug/l
 RT: 6.88 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

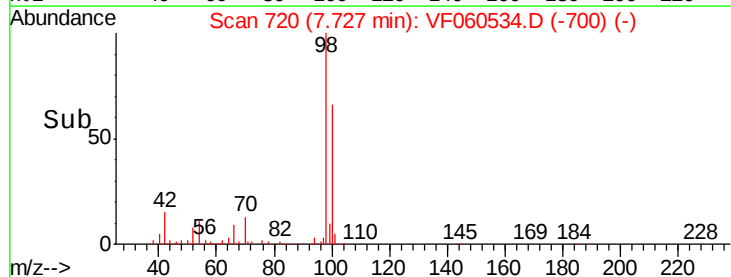
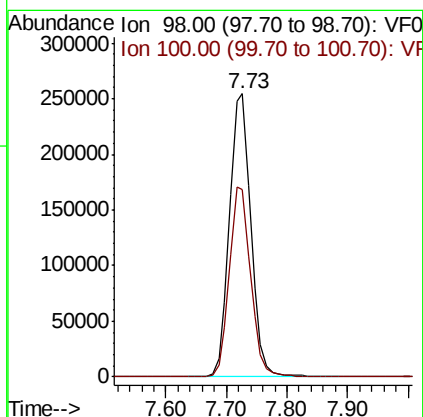
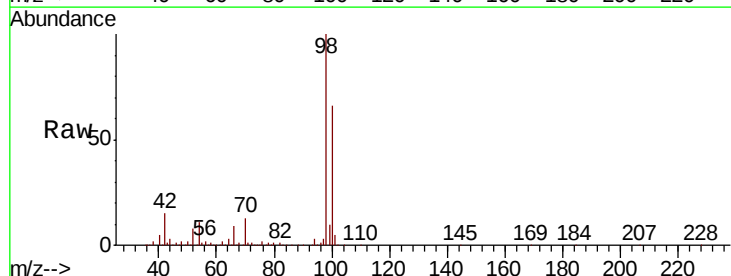
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

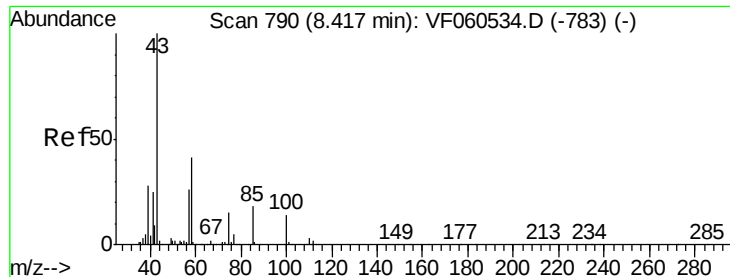
Tgt Ion: 88 Resp: 16201
 Ion Ratio Lower Upper
 88 100
 43 62.1 49.7 74.5
 58 84.6 67.7 101.5



#50
 Toluene-d8
 Concen: 50.101 ug/l
 RT: 7.73 min Scan# 720
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Tgt Ion: 98 Resp: 627228
 Ion Ratio Lower Upper
 98 100
 100 66.3 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 231.657 ug/l

RT: 8.42 min Scan# 790

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

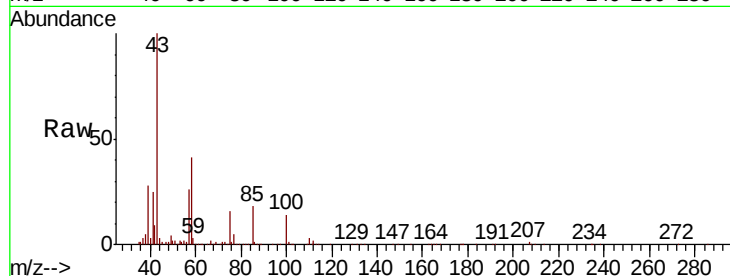
VSTDICCC050

Tgt Ion: 43 Resp: 472284

Ion Ratio Lower Upper

43 100

58 40.8 32.6 49.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.42

200000

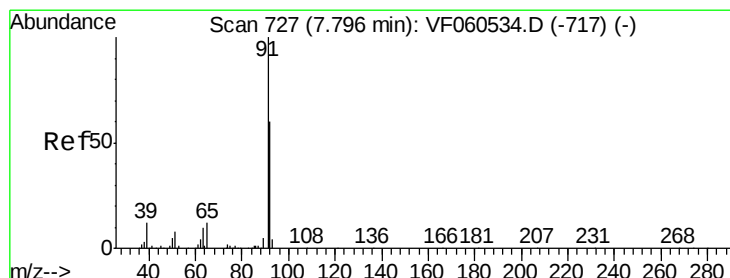
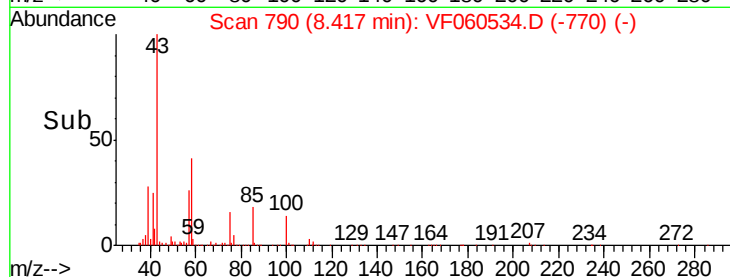
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 50.339 ug/l

RT: 7.80 min Scan# 727

Delta R.T. 0.00 min

Lab File: VF060534.D

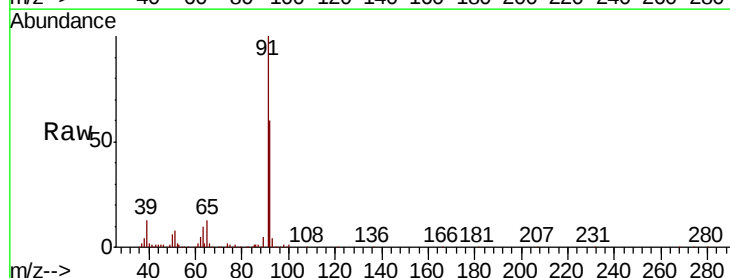
Acq: 29 Oct 2018 17:53

Tgt Ion: 92 Resp: 424486

Ion Ratio Lower Upper

92 100

91 167.6 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.80

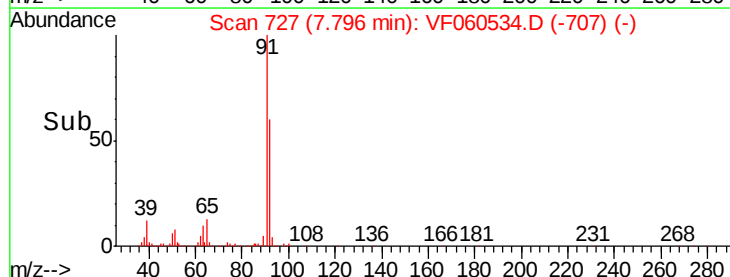
300000

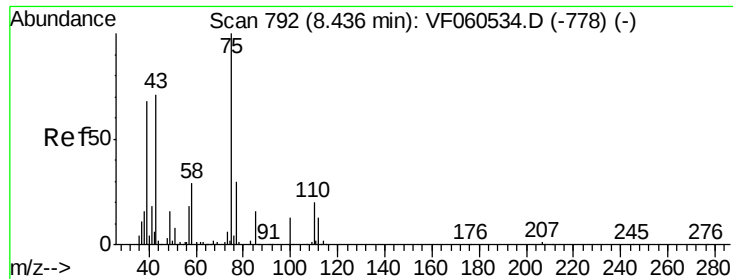
200000

100000

0

Time-->

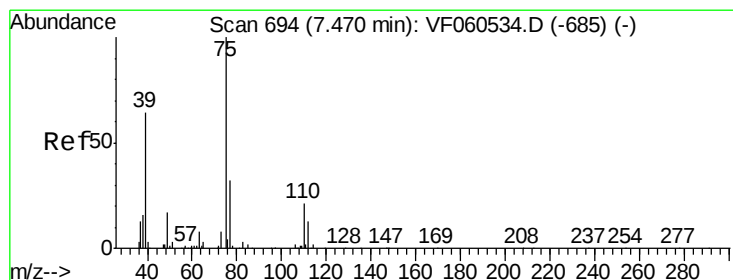
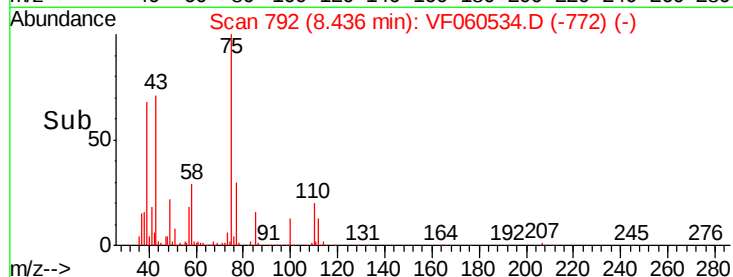
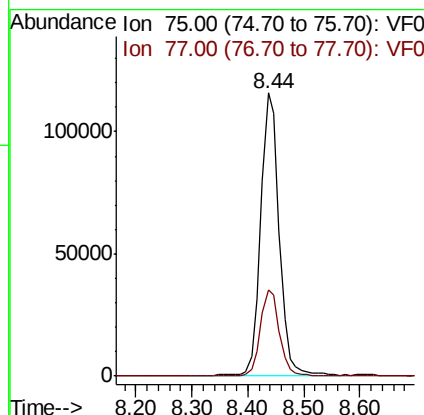
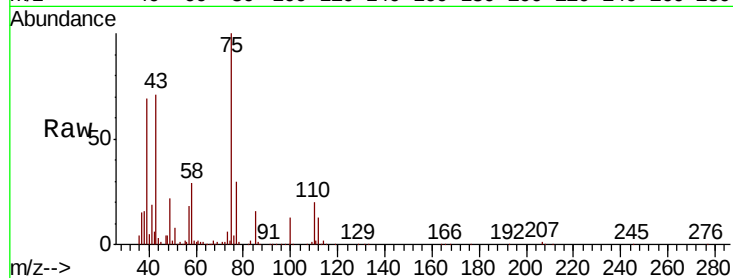




#53
 t-1,3-Dichloropropene
 Concen: 43.870 ug/l
 RT: 8.44 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

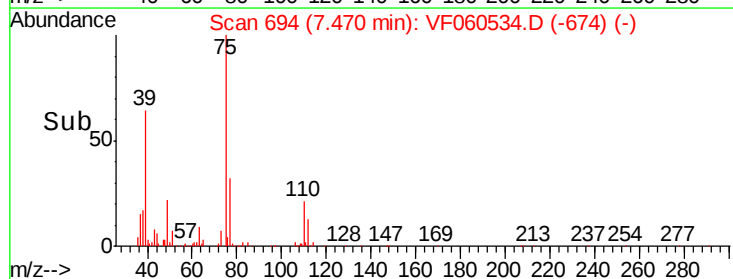
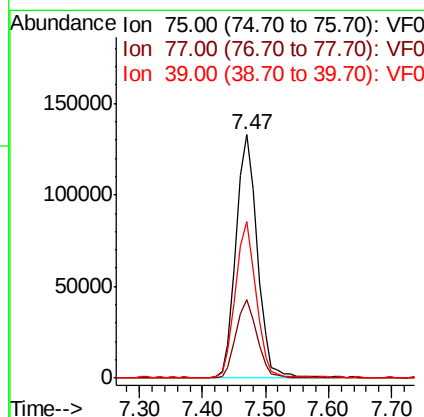
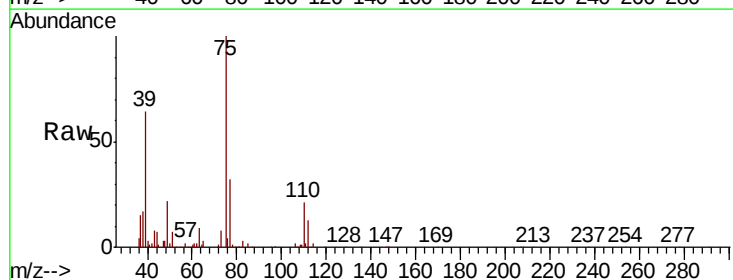
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

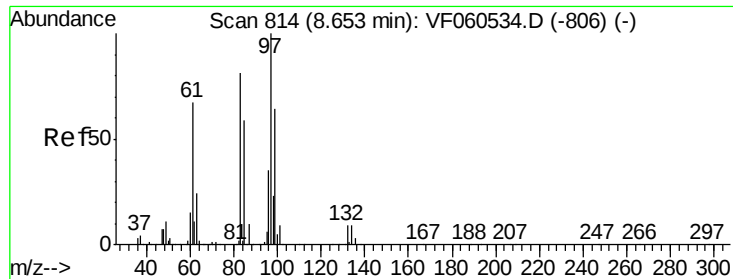
Tgt Ion: 75 Resp: 267333
 Ion Ratio Lower Upper
 75 100
 77 30.3 24.2 36.4



#54
 cis-1,3-Dichloropropene
 Concen: 48.663 ug/l
 RT: 7.47 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Tgt Ion: 75 Resp: 310479
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.7 38.5
 39 64.4 51.5 77.3

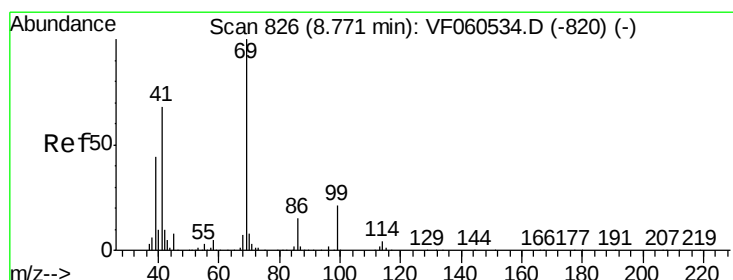
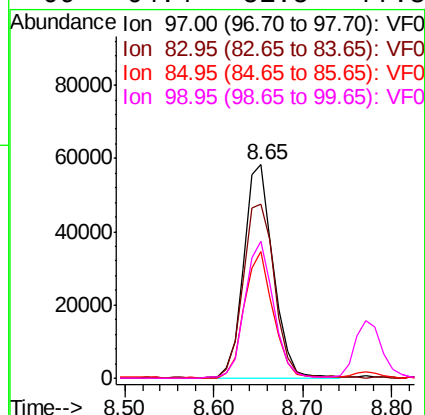
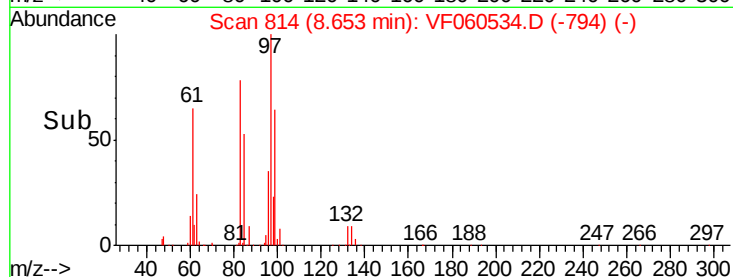
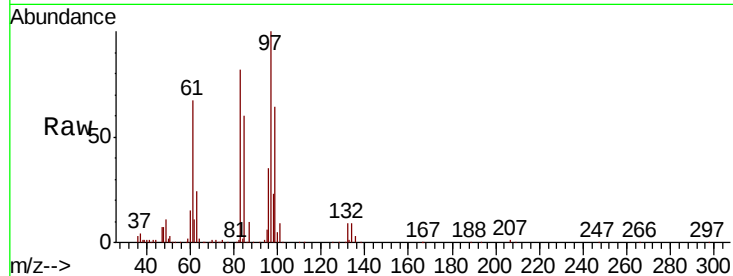




#55
 1,1,2-Trichloroethane
 Concen: 51.003 ug/l
 RT: 8.65 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

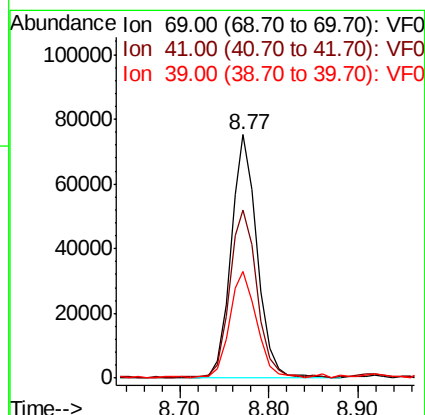
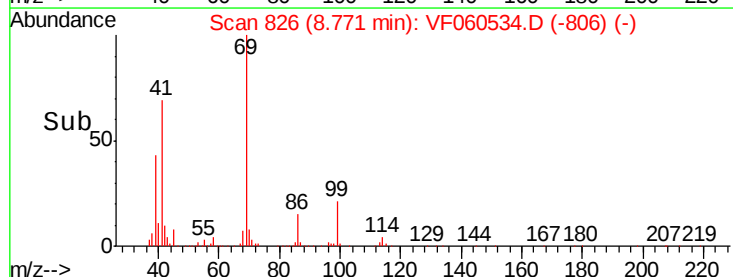
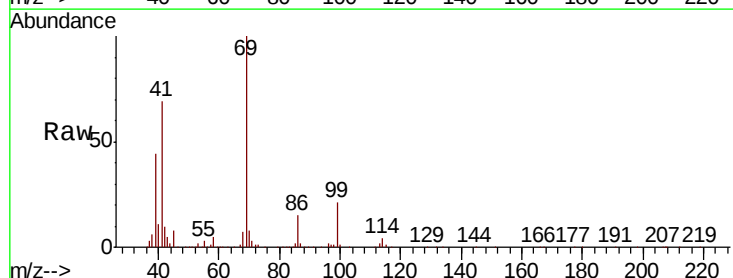
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

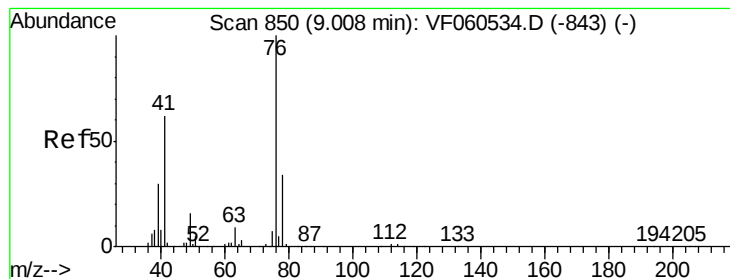
Tgt Ion:	97	Resp:	133648
Ion	Ratio	Lower	Upper
97	100		
83	81.6	65.3	97.9
85	59.5	47.6	71.4
99	64.4	51.5	77.3



#56
 Ethyl methacrylate
 Concen: 54.182 ug/l
 RT: 8.77 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Tgt Ion:	69	Resp:	155121
Ion	Ratio	Lower	Upper
69	100		
41	68.8	55.0	82.6
39	43.9	35.1	52.7





#57

1,3-Dichloropropane

Concen: 50.410 ug/l

RT: 9.01 min Scan# 850

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

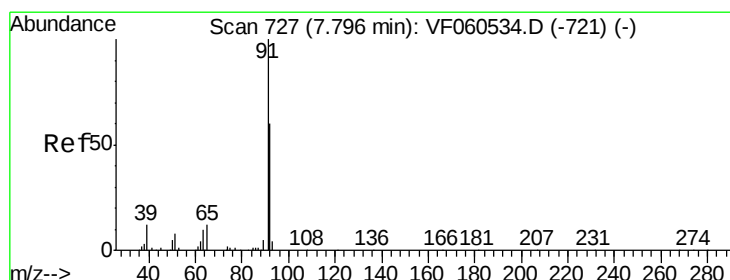
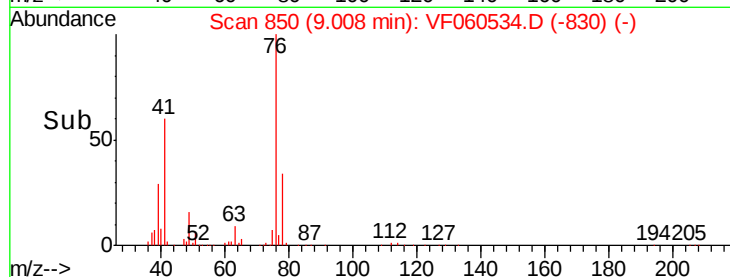
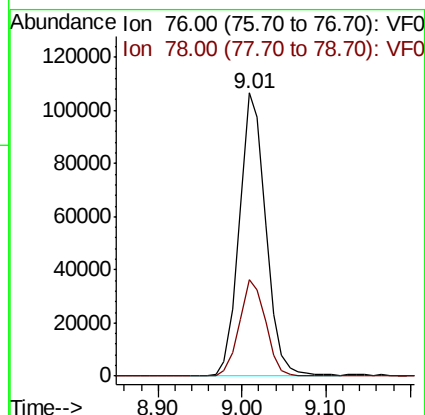
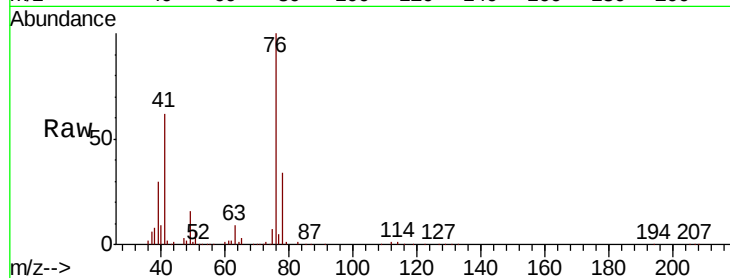
VSTDICCC050

Tgt Ion: 76 Resp: 233802

Ion Ratio Lower Upper

76 100

78 34.1 27.3 40.9



#58

2-Chloroethyl Vinyl ether

Concen: 193.968 ug/l

RT: 7.80 min Scan# 727

Delta R.T. 0.00 min

Lab File: VF060534.D

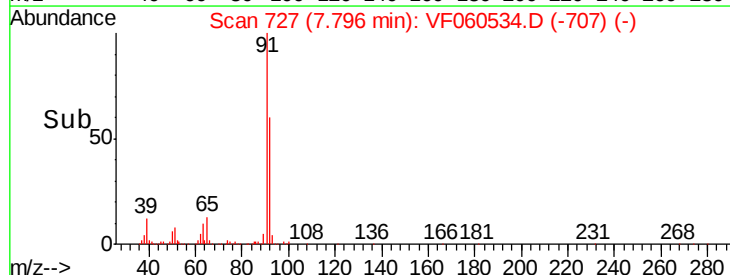
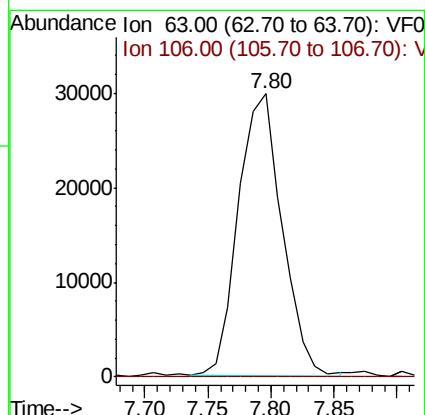
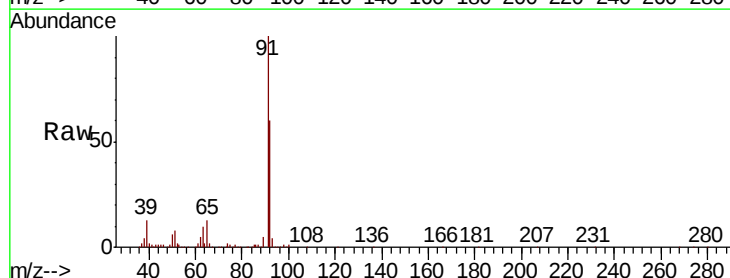
Acq: 29 Oct 2018 17:53

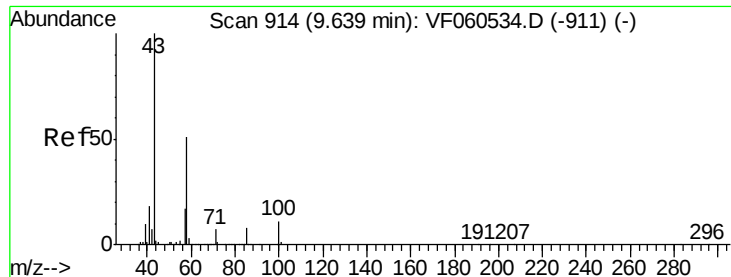
Tgt Ion: 63 Resp: 71665

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

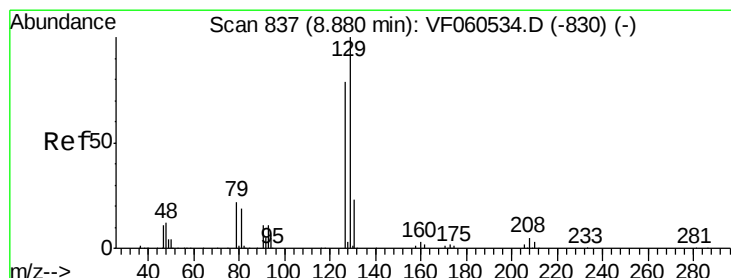
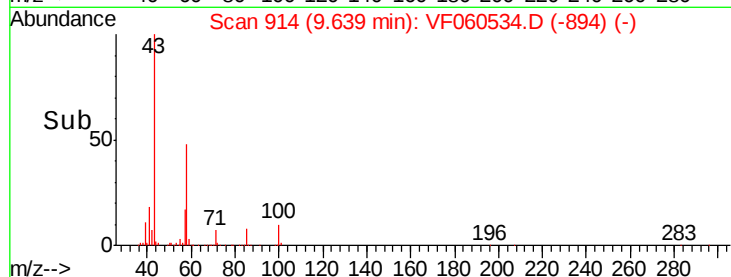
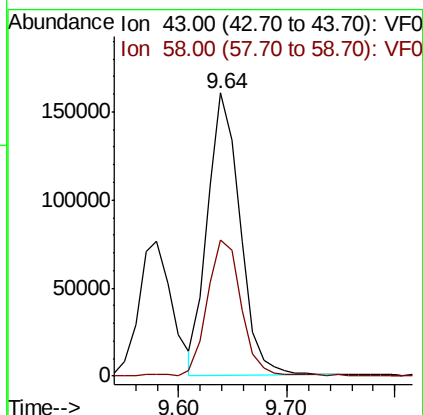
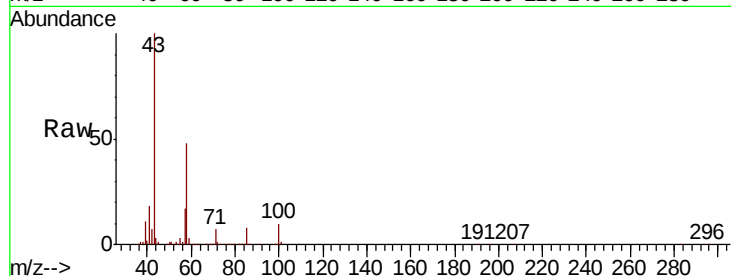




#59
2-Hexanone
Concen: 219.635 ug/l
RT: 9.64 min Scan# 914
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

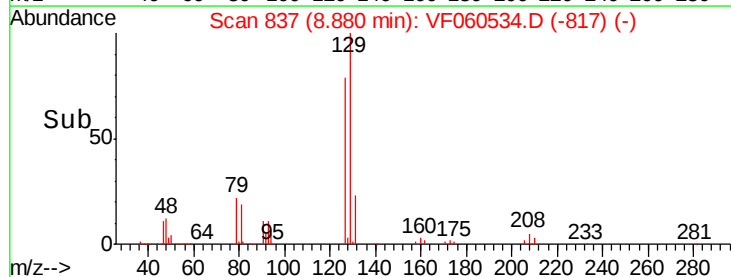
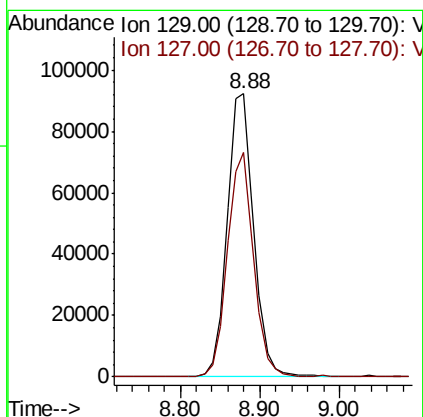
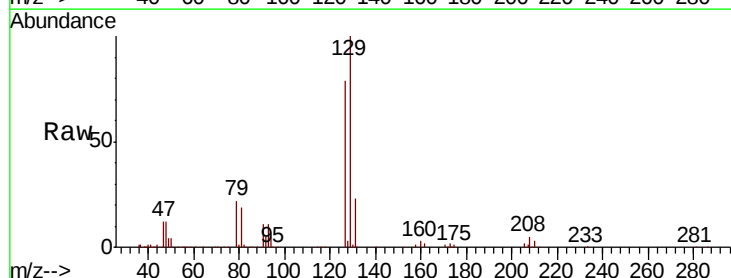
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

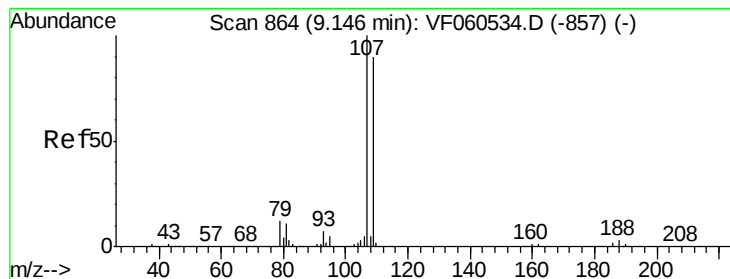
Tgt Ion: 43 Resp: 333509
Ion Ratio Lower Upper
43 100
58 48.2 24.1 72.3



#60
Dibromochloromethane
Concen: 44.371 ug/l
RT: 8.88 min Scan# 837
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Tgt Ion: 129 Resp: 215936
Ion Ratio Lower Upper
129 100
127 79.3 39.6 119.0





#61

1,2-Dibromoethane

Concen: 48.864 ug/l

RT: 9.15 min Scan# 864

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

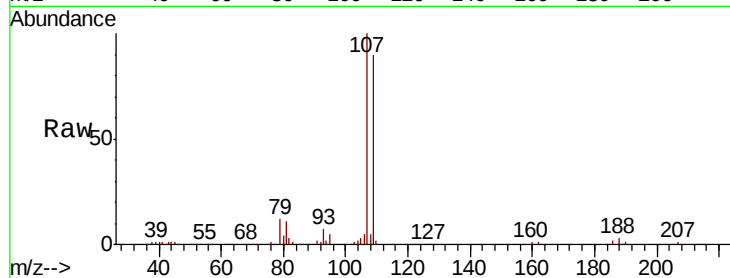
VSTDICCC050

Tgt Ion: 107 Resp: 151396

Ion Ratio Lower Upper

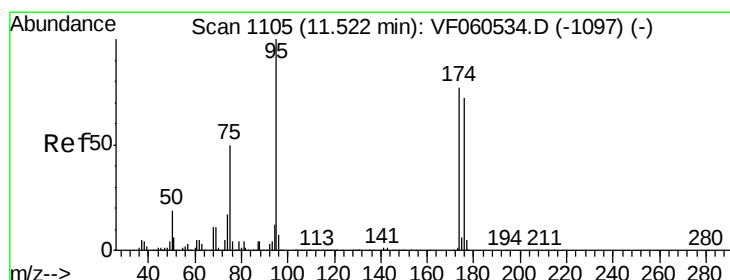
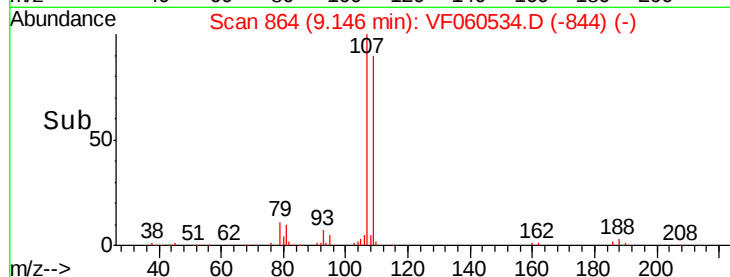
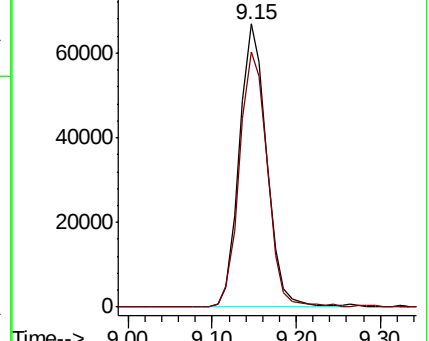
107 100

109 90.2 72.2 108.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 42.787 ug/l

RT: 11.52 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

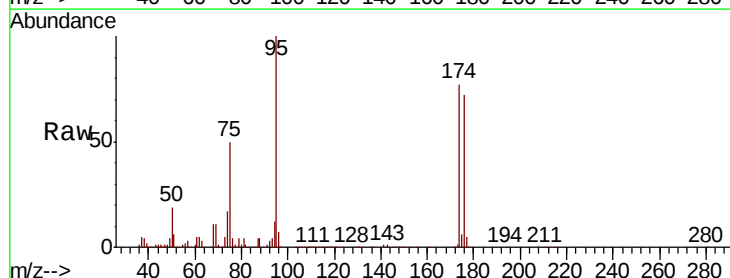
Tgt Ion: 95 Resp: 289897

Ion Ratio Lower Upper

95 100

174 76.9 0.0 153.8

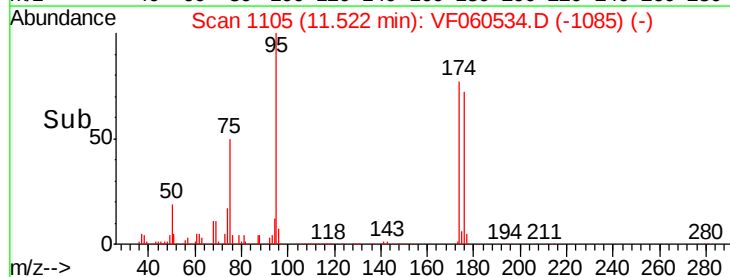
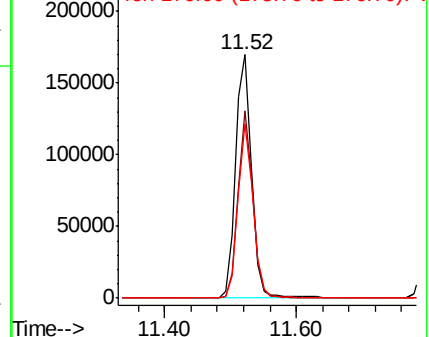
176 71.8 0.0 143.6

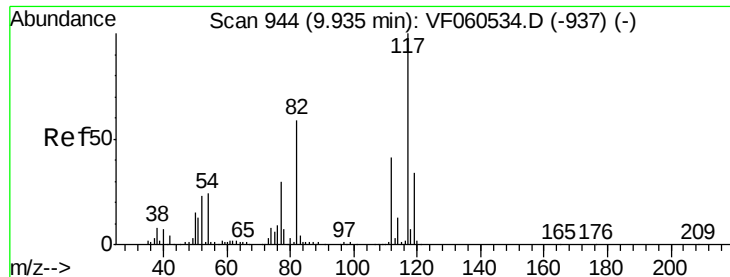


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

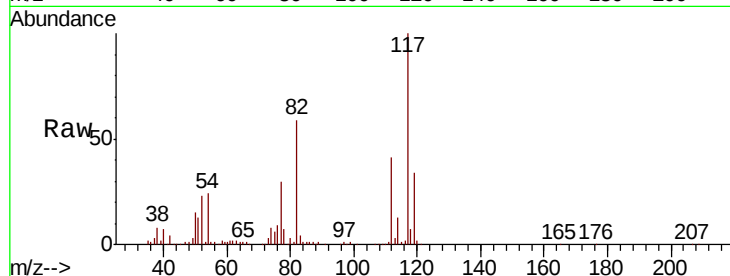




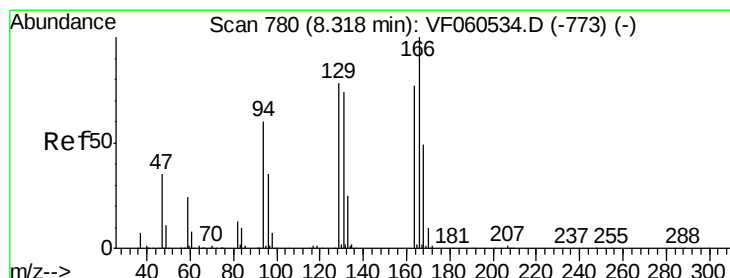
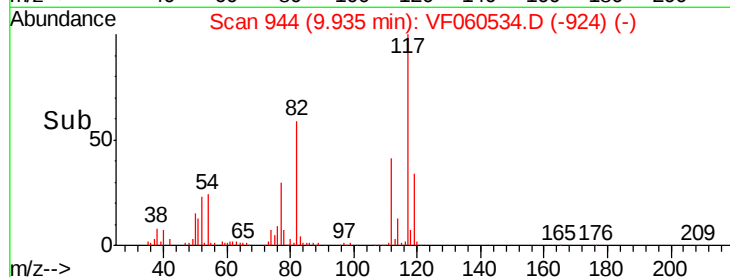
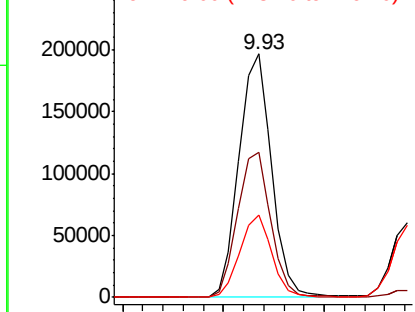
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 944
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 444349
Ion Ratio Lower Upper
117 100
82 59.5 47.6 71.4
119 34.1 27.3 40.9

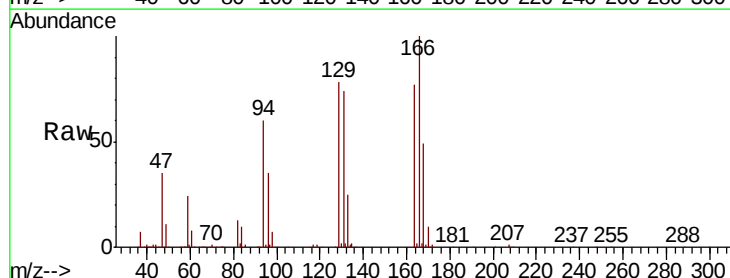


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

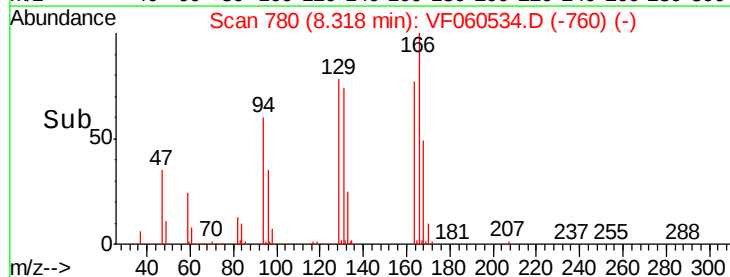
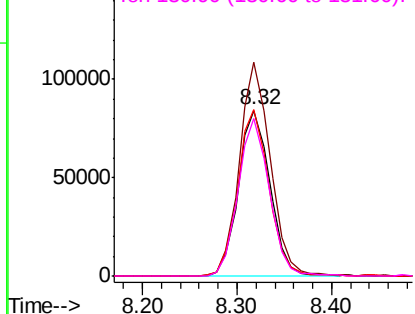


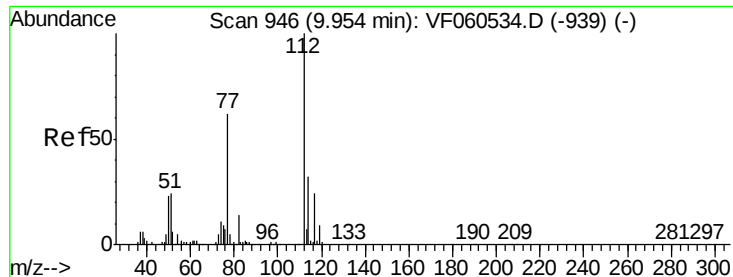
#64
Tetrachloroethene
Concen: 50.946 ug/l
RT: 8.32 min Scan# 780
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Tgt Ion:164 Resp: 194994
Ion Ratio Lower Upper
164 100
166 129.3 103.4 155.2
129 100.9 80.7 121.1
131 95.4 76.3 114.5



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 49.512 ug/l

RT: 9.95 min Scan# 946

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

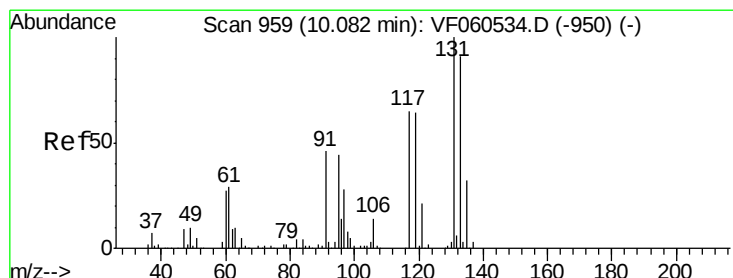
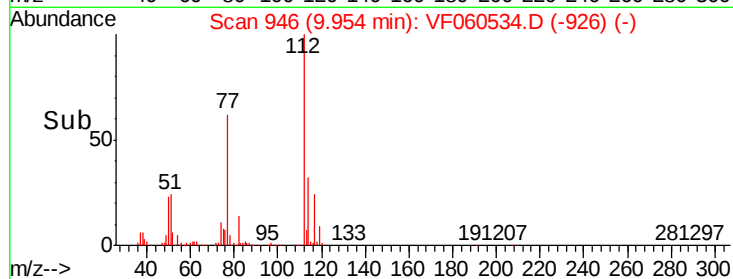
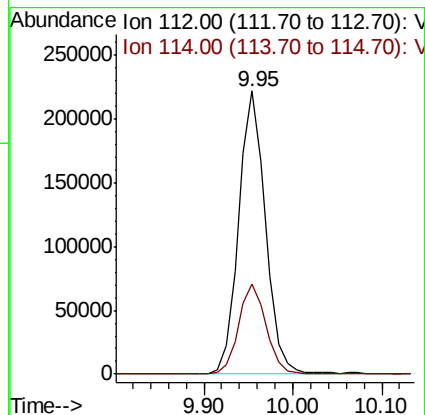
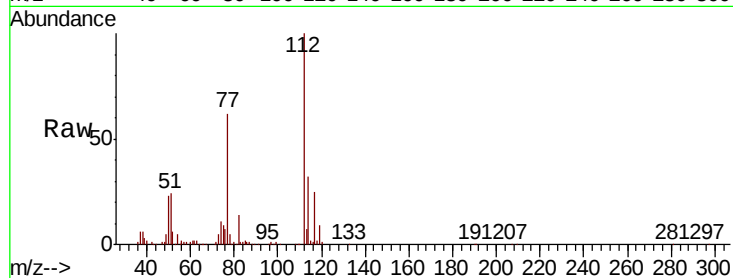
VSTDICCC050

Tgt Ion:112 Resp: 466817

Ion Ratio Lower Upper

112 100

114 31.9 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 43.070 ug/l

RT: 10.08 min Scan# 959

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

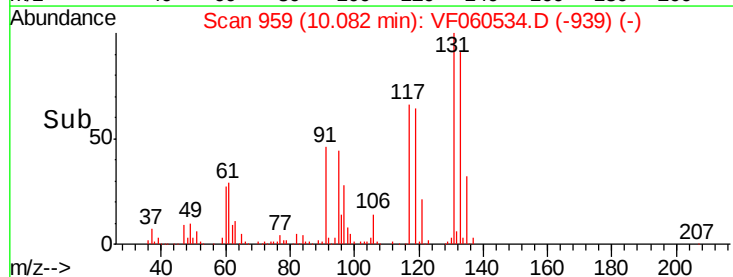
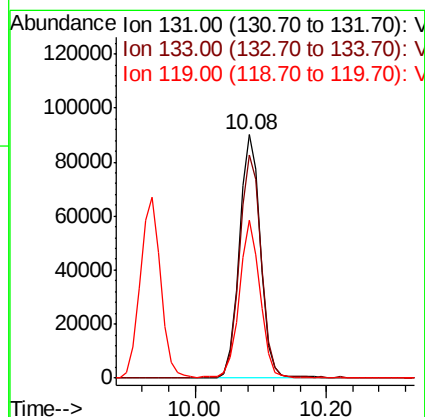
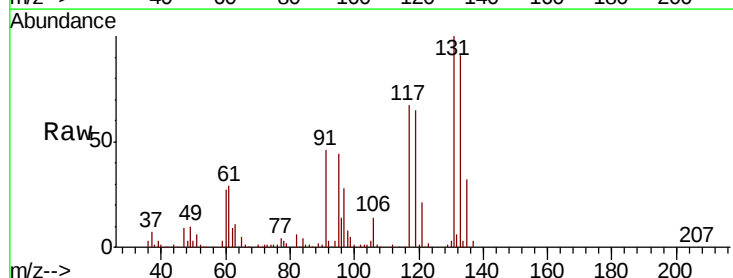
Tgt Ion:131 Resp: 202817

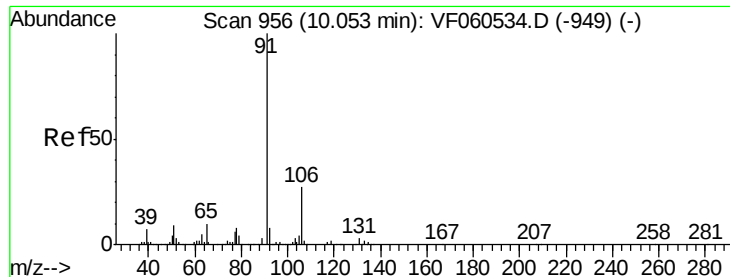
Ion Ratio Lower Upper

131 100

133 91.5 45.8 137.3

119 64.7 32.4 97.0

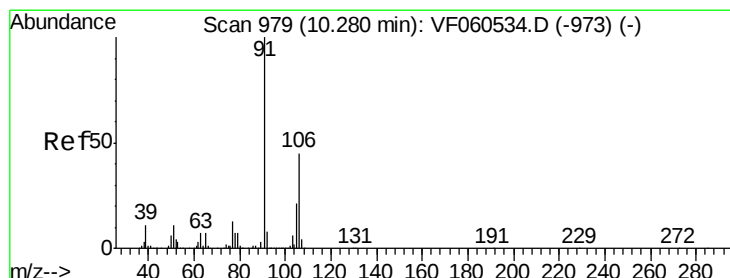
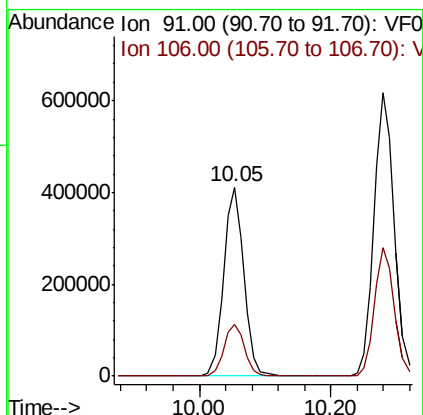
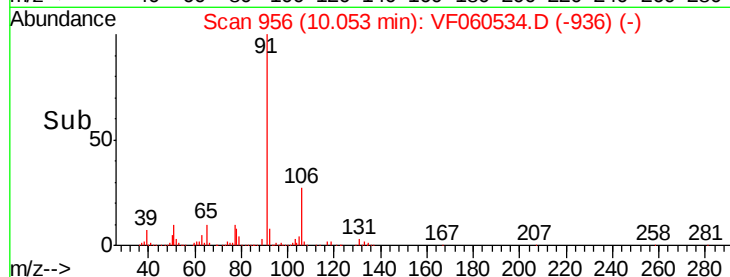
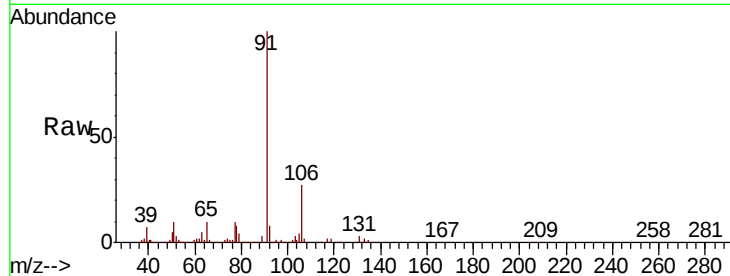




#67
Ethyl Benzene
Concen: 46.719 ug/l
RT: 10.05 min Scan# 956
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

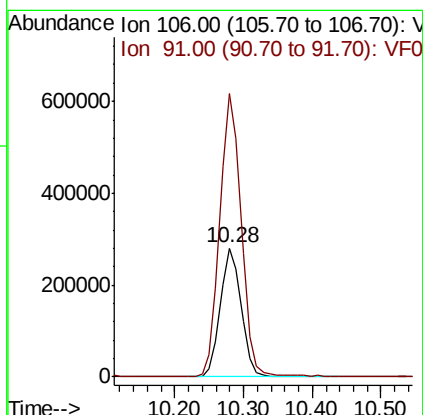
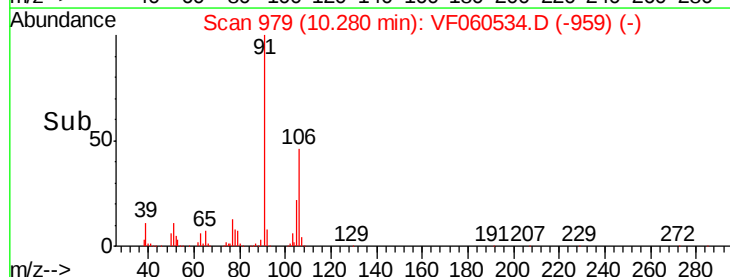
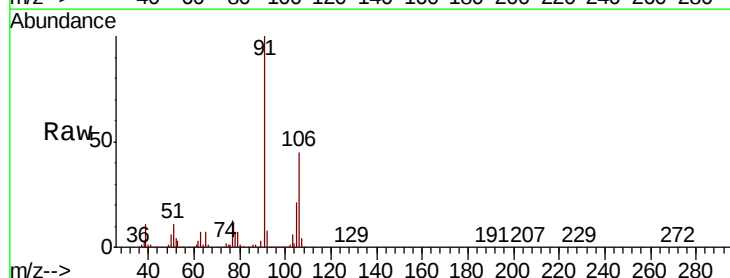
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

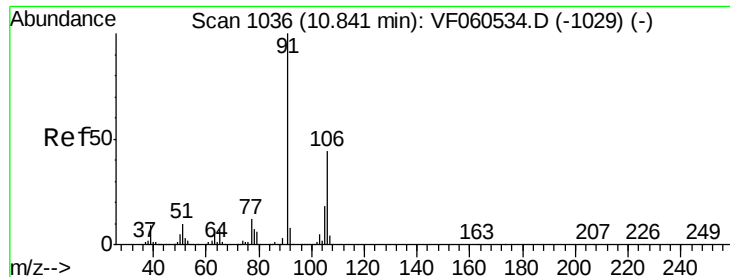
Tgt Ion: 91 Resp: 886066
Ion Ratio Lower Upper
91 100
106 27.4 21.9 32.9



#68
m/p-Xylenes
Concen: 98.820 ug/l
RT: 10.28 min Scan# 979
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Tgt Ion: 106 Resp: 593357
Ion Ratio Lower Upper
106 100
91 220.2 176.2 264.2

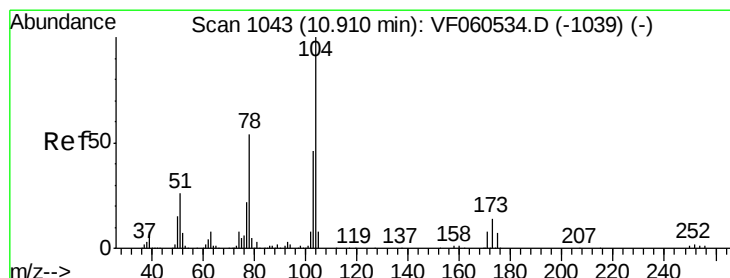
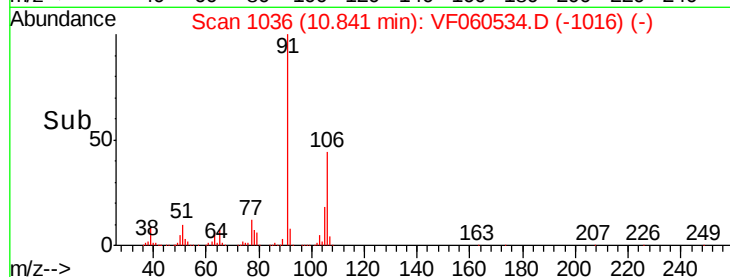
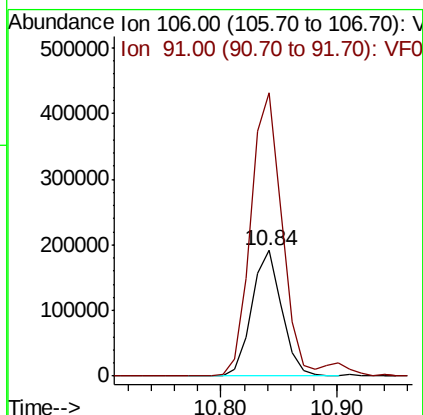
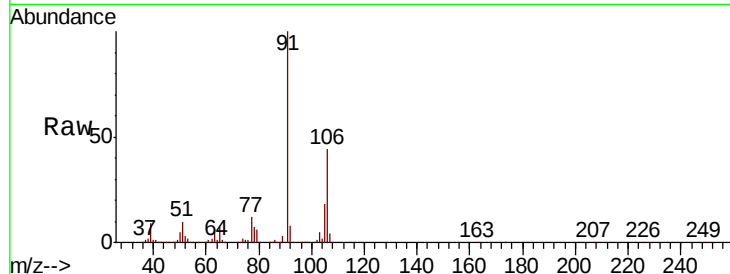




#69
o-Xylene
Concen: 50.381 ug/l
RT: 10.84 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

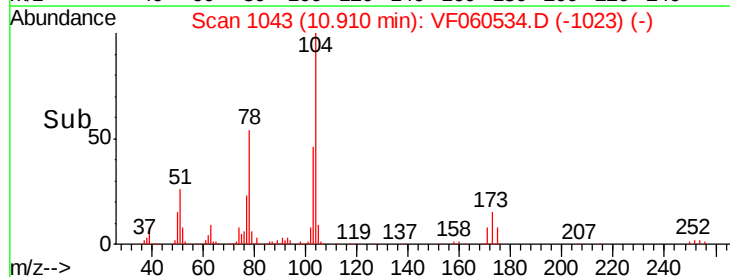
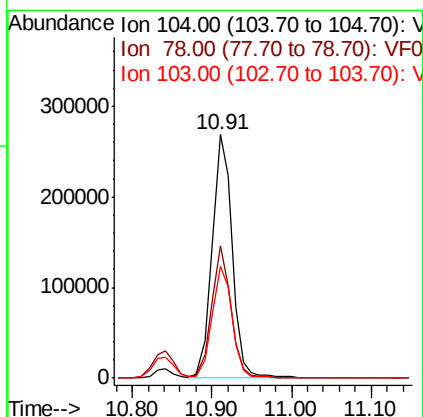
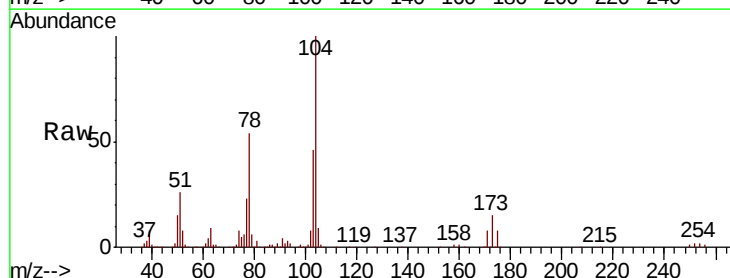
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

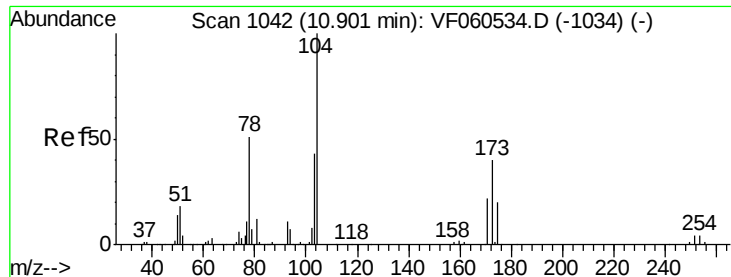
Tgt Ion:106 Resp: 342759
Ion Ratio Lower Upper
106 100
91 225.9 112.9 338.8



#70
Styrene
Concen: 49.972 ug/l
RT: 10.91 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Tgt Ion:104 Resp: 475391
Ion Ratio Lower Upper
104 100
78 54.3 43.4 65.2
103 46.1 36.9 55.3





#71

Bromoform

Concen: 43.649 ug/l

RT: 10.90 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

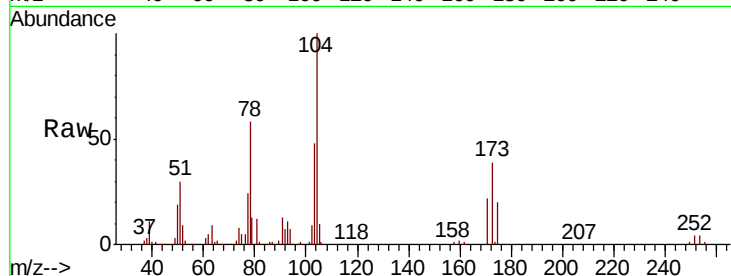
Tgt Ion:173 Resp: 110718

Ion Ratio Lower Upper

173 100

175 51.3 25.7 77.0

254 9.7 7.8 11.6

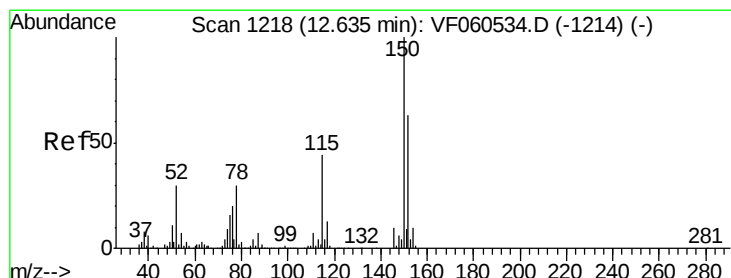
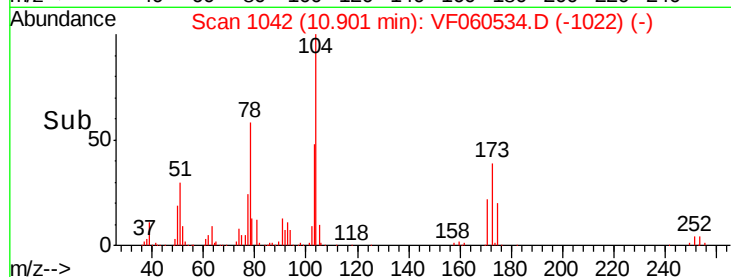
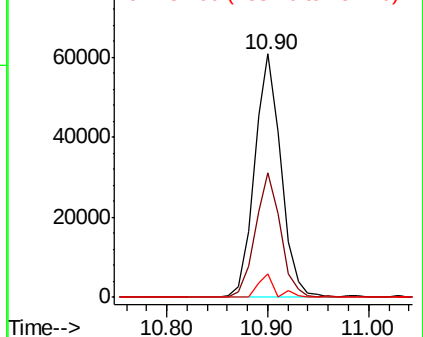


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

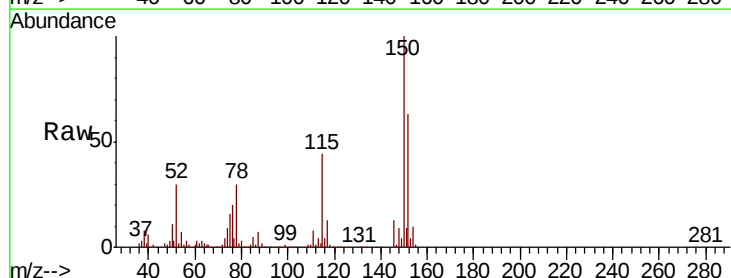
Tgt Ion:152 Resp: 270487

Ion Ratio Lower Upper

152 100

115 69.4 34.7 104.1

150 159.2 0.0 318.4

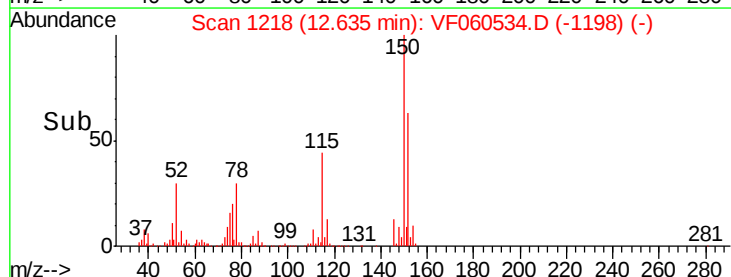
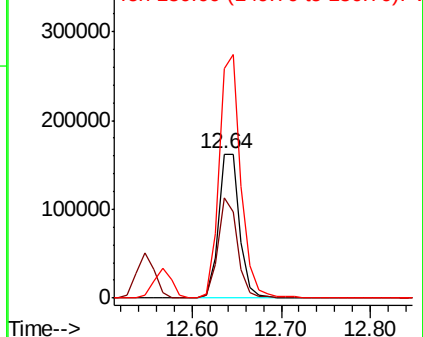


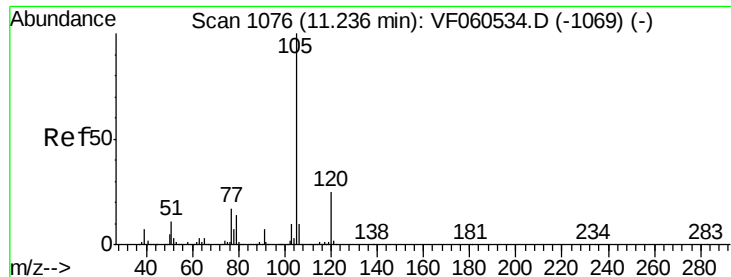
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 46.879 ug/l

RT: 11.24 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

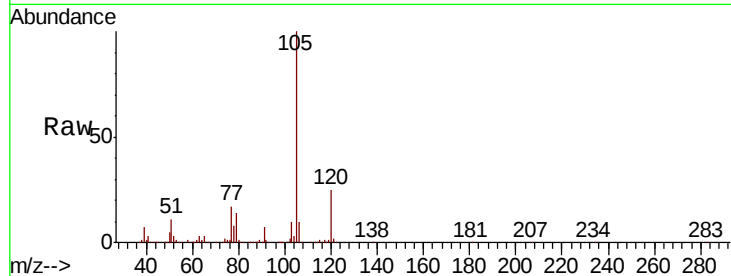
VSTDICCC050

Tgt Ion:105 Resp: 1006943

Ion Ratio Lower Upper

105 100

120 24.5 12.3 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

400000

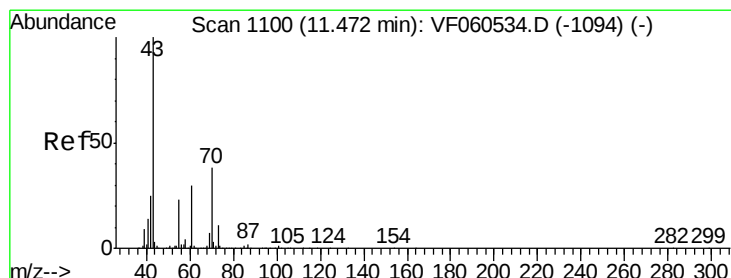
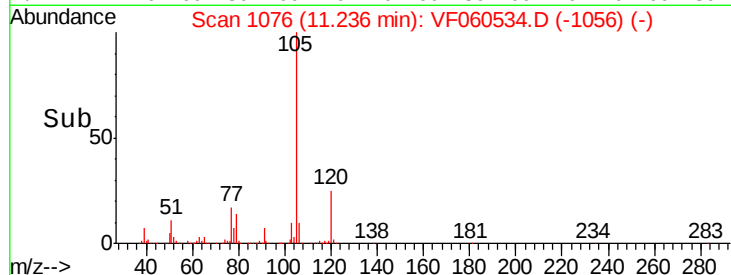
200000

0

11.24

11.20 11.40

Time-->



#74

N-ethyl acetate

Concen: 51.527 ug/l

RT: 11.47 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Tgt Ion: 43 Resp: 200952

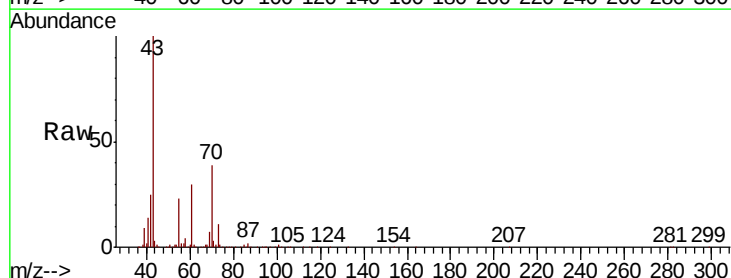
Ion Ratio Lower Upper

43 100

70 38.5 30.8 46.2

55 22.8 18.2 27.4

61 29.8 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

200000

150000

100000

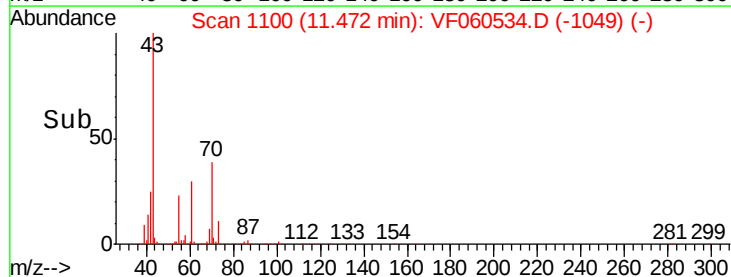
50000

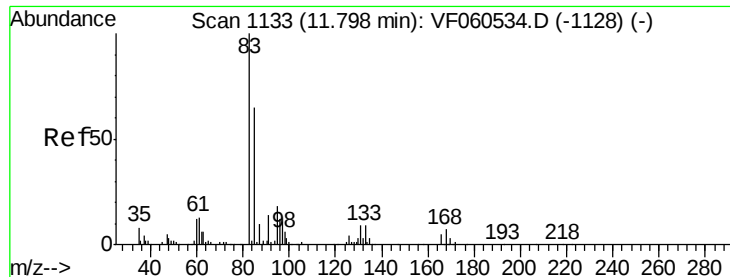
0

11.47

11.40 11.50 11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 56.304 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

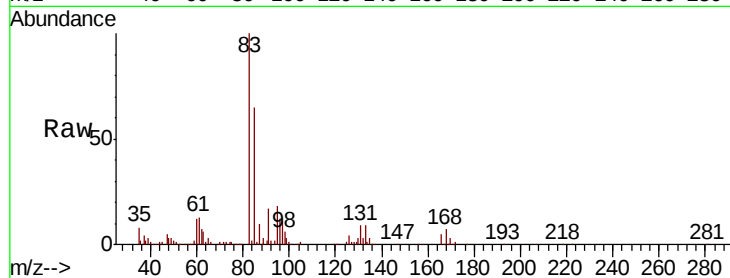
Tgt Ion: 83 Resp: 179441

Ion Ratio Lower Upper

83 100

131 9.3 4.7 14.0

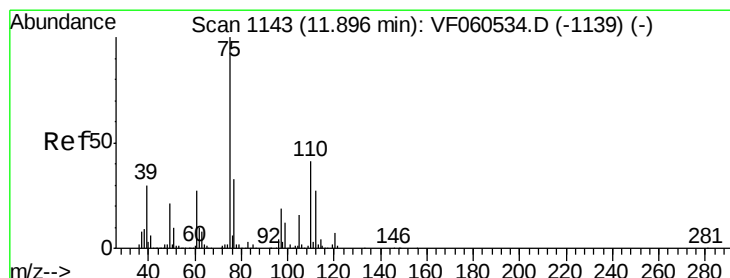
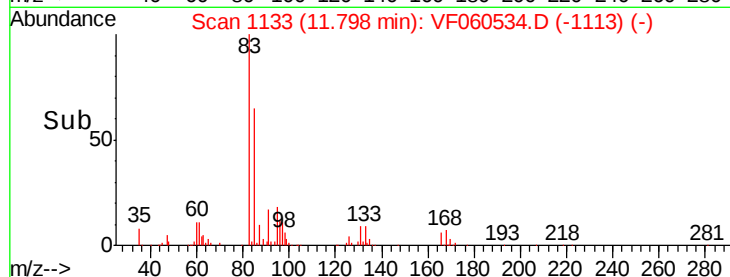
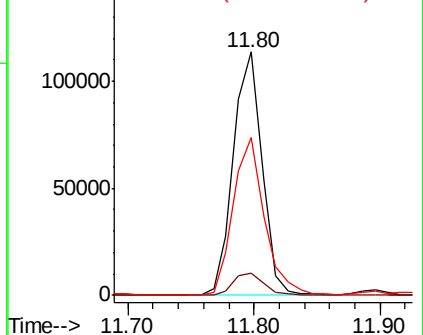
85 64.7 32.4 97.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 47.540 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF060534.D

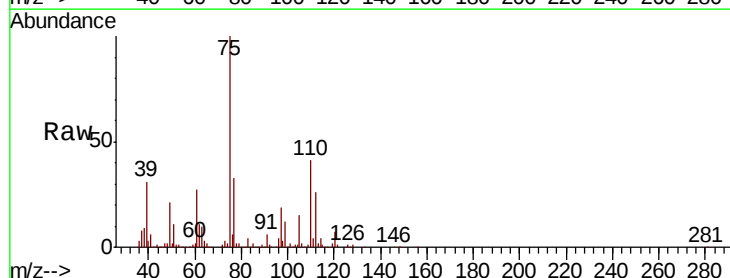
Acq: 29 Oct 2018 17:53

Tgt Ion: 75 Resp: 128738

Ion Ratio Lower Upper

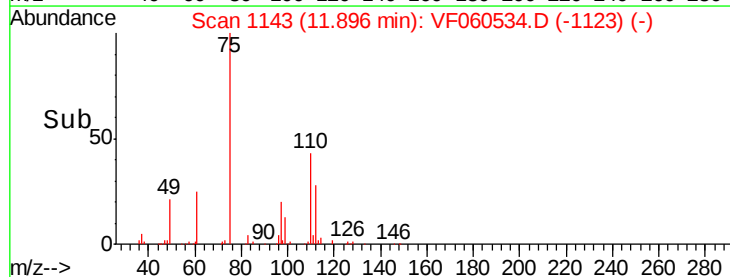
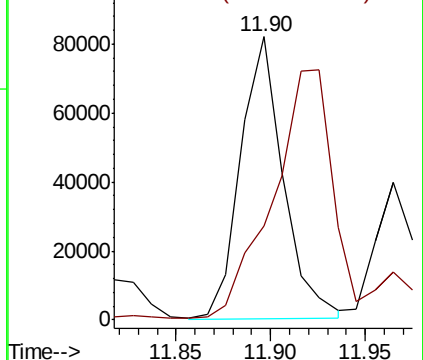
75 100

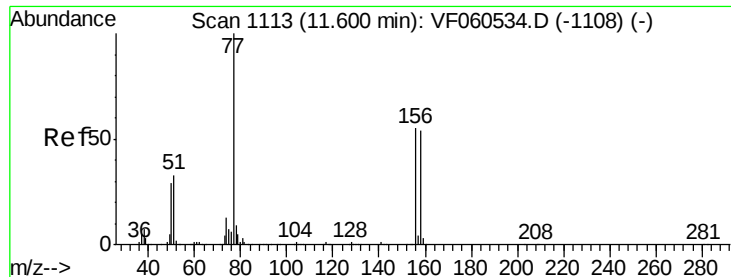
77 33.4 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 48.957 ug/l

RT: 11.60 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

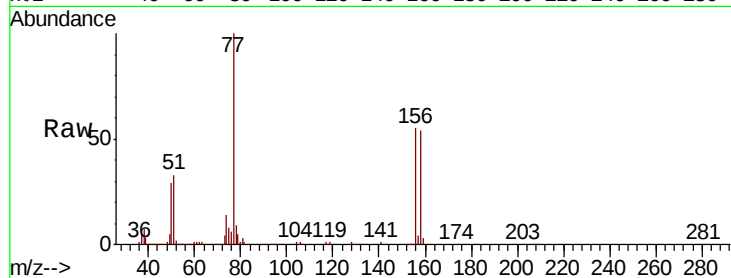
Tgt Ion:156 Resp: 221205

Ion Ratio Lower Upper

156 100

77 182.7 91.3 274.1

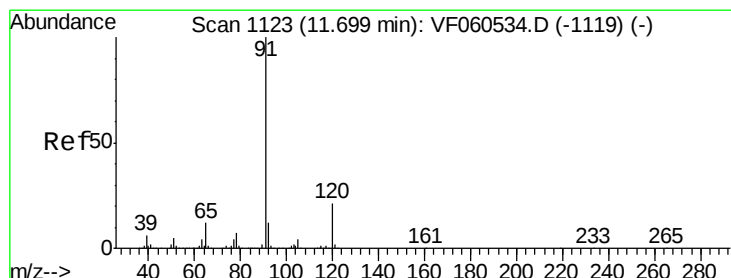
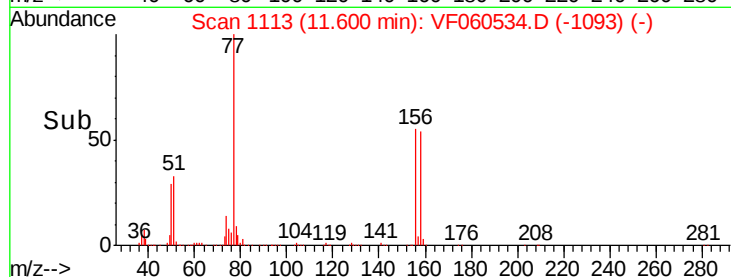
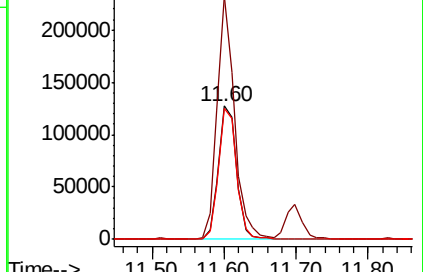
158 98.6 49.3 147.9



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 46.819 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF060534.D

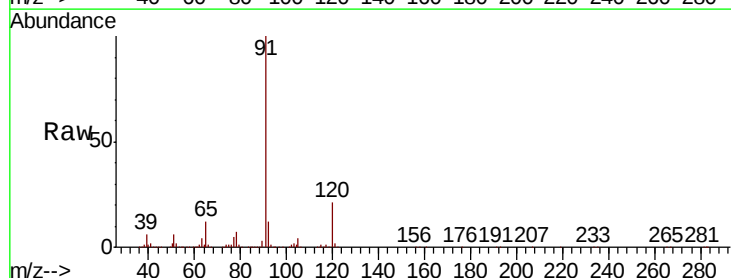
Acq: 29 Oct 2018 17:53

Tgt Ion: 91 Resp: 1172689

Ion Ratio Lower Upper

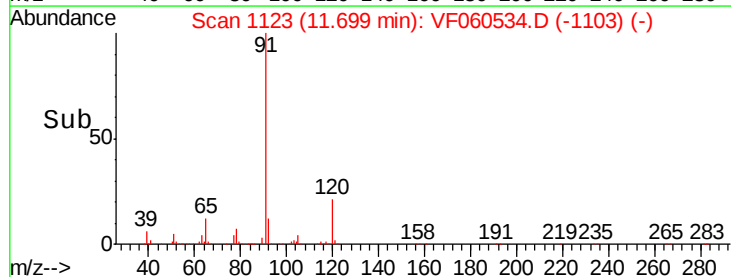
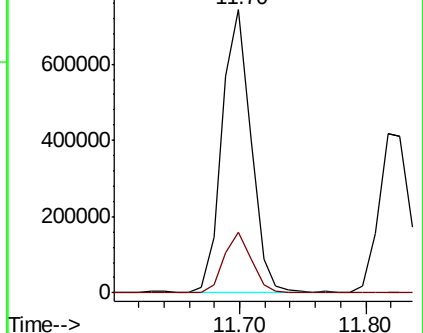
91 100

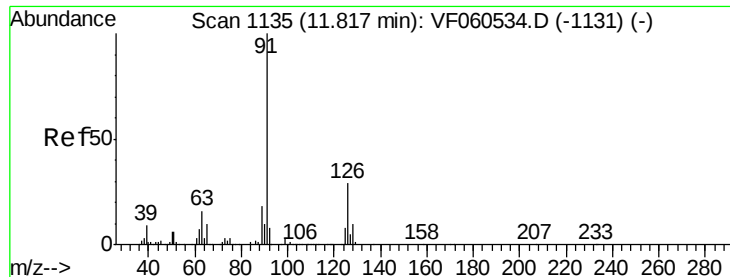
120 21.4 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

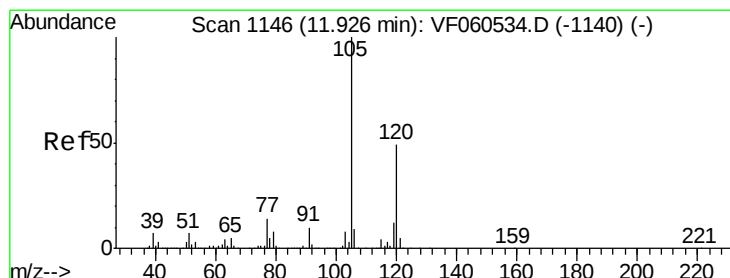
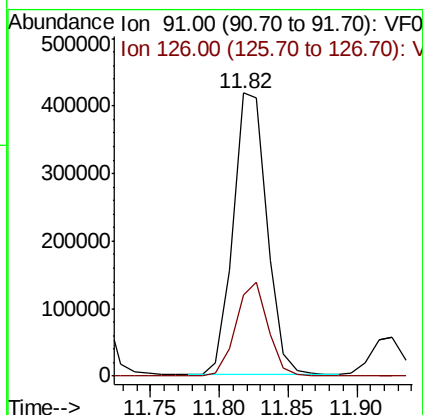
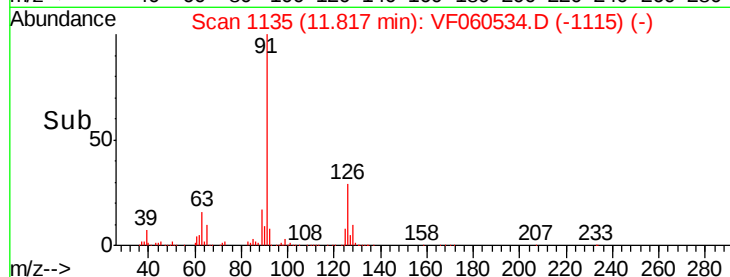
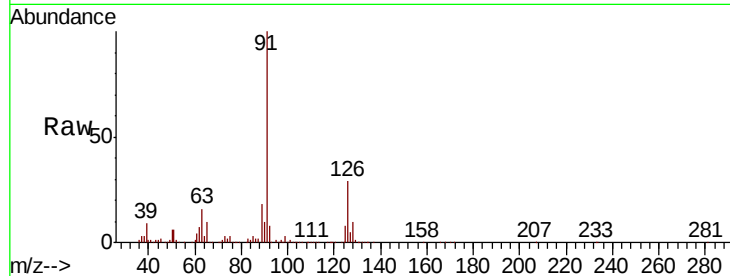




#79
 2-Chlorotoluene
 Concen: 47.098 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

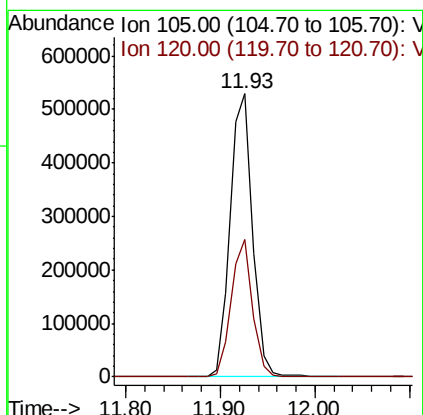
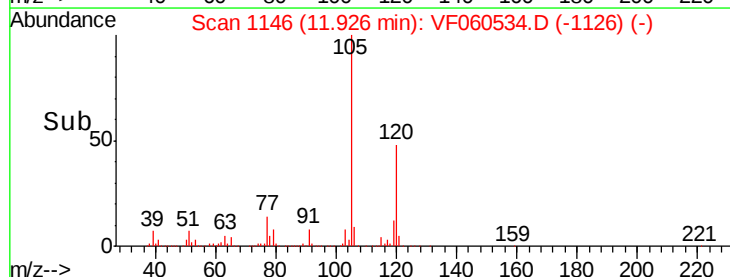
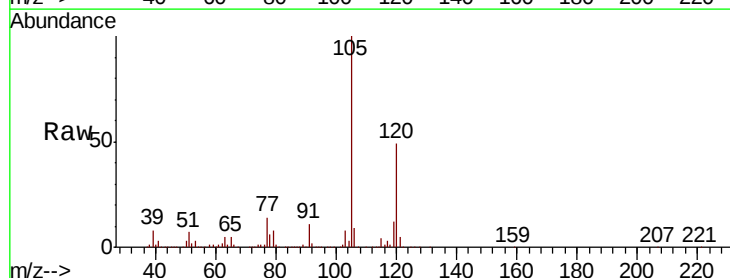
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

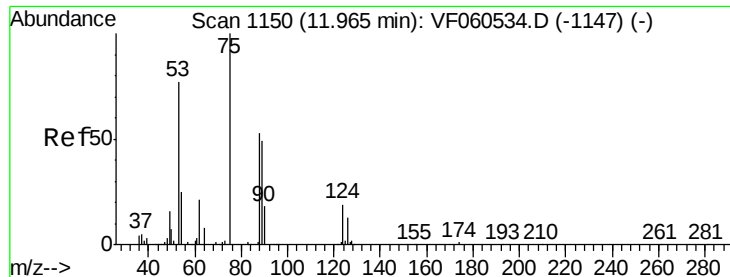
Tgt Ion: 91 Resp: 714733
 Ion Ratio Lower Upper
 91 100
 126 28.5 14.2 42.8



#80
 1,3,5-Trimethylbenzene
 Concen: 46.106 ug/l
 RT: 11.93 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Tgt Ion: 105 Resp: 866836
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 71.428 ug/l

RT: 11.97 min Scan# 1150

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

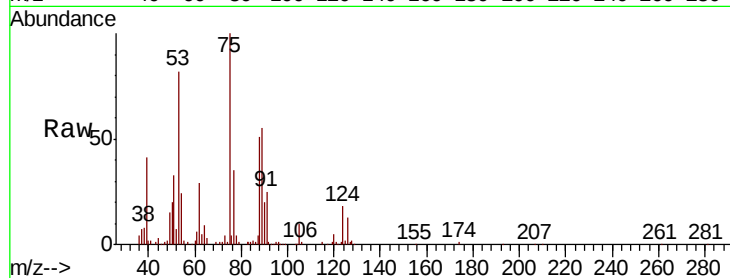
Tgt Ion: 75 Resp: 81239

Ion Ratio Lower Upper

75 100

53 82.2 65.8 98.6

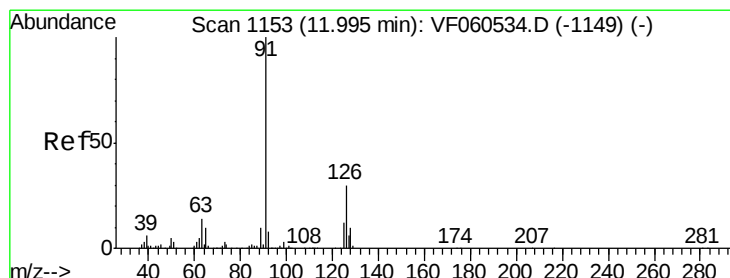
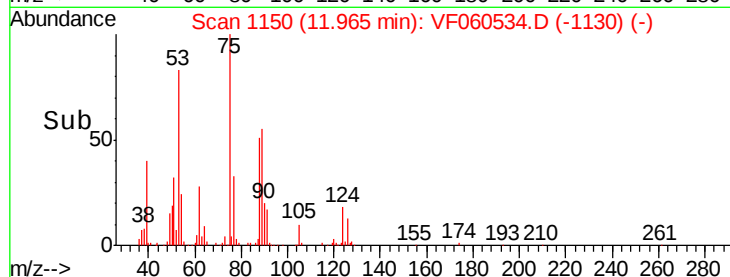
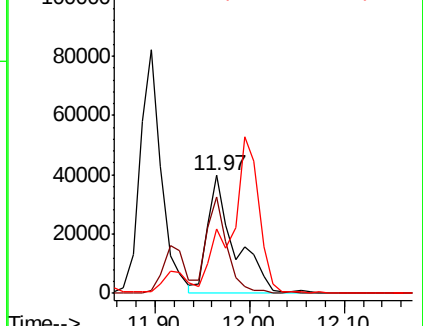
89 55.0 44.0 66.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 45.314 ug/l

RT: 11.99 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF060534.D

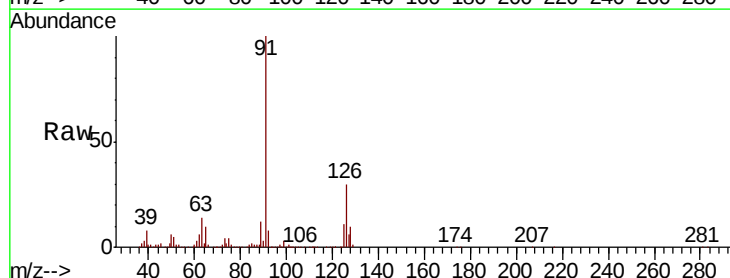
Acq: 29 Oct 2018 17:53

Tgt Ion: 91 Resp: 728022

Ion Ratio Lower Upper

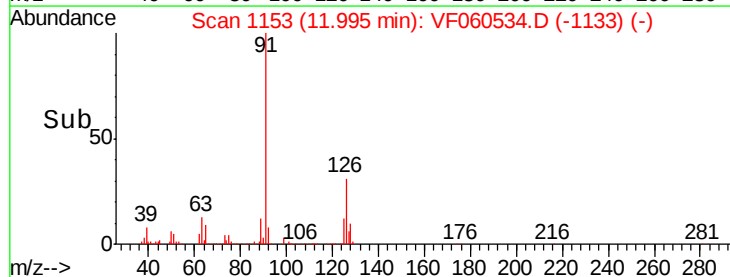
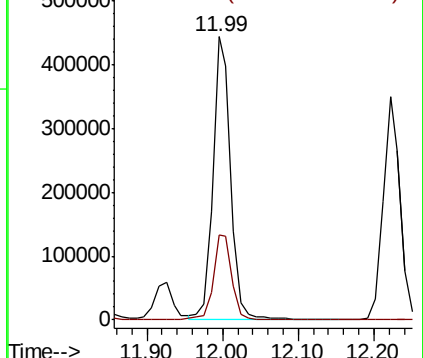
91 100

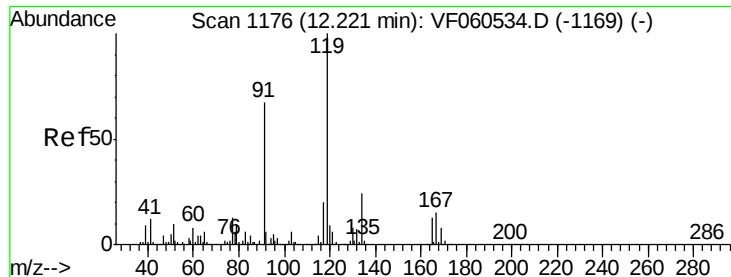
126 30.2 15.1 45.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

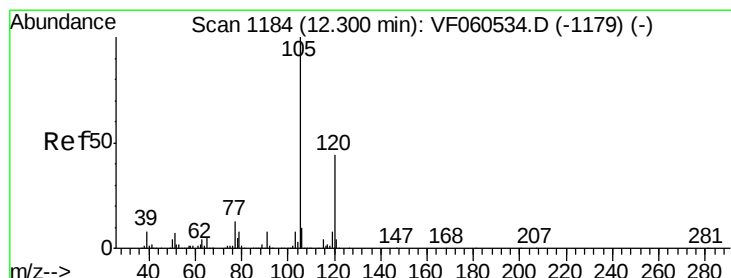
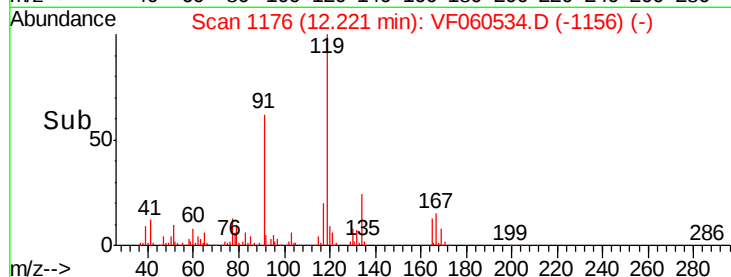
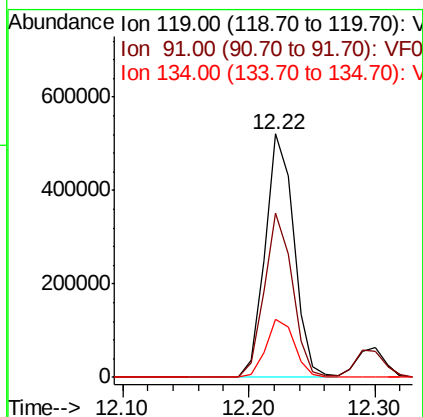
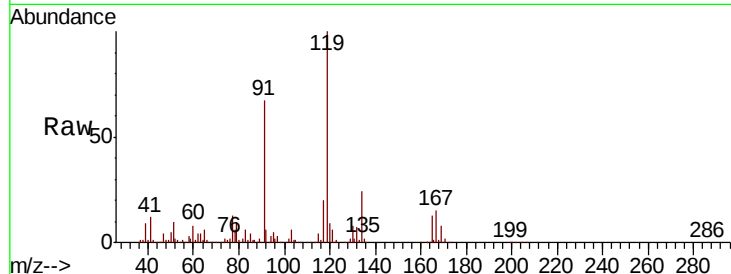




#83
 tert-Butylbenzene
 Concen: 44.526 ug/l
 RT: 12.22 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

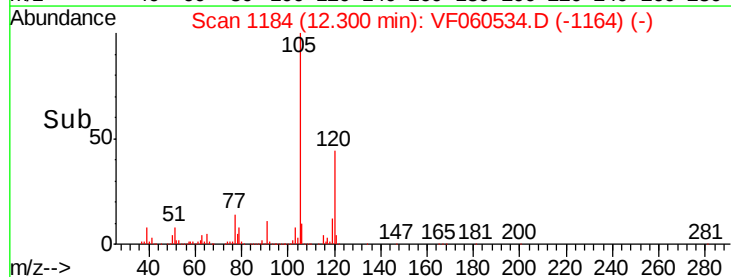
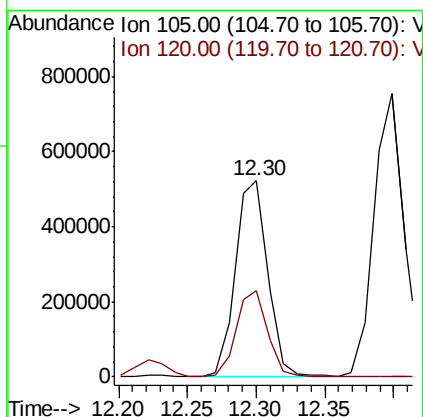
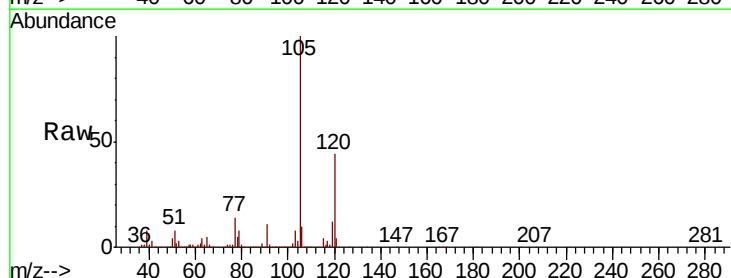
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

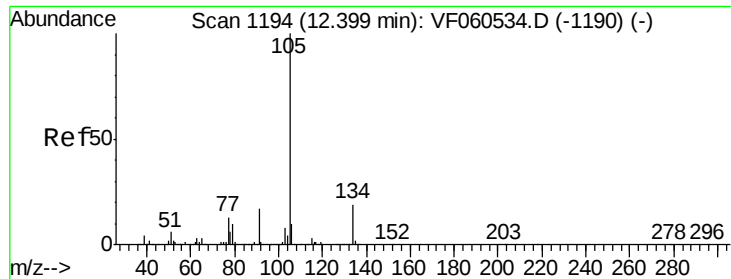
Tgt Ion:119 Resp: 834312
 Ion Ratio Lower Upper
 119 100
 91 67.2 33.6 100.8
 134 24.0 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 45.901 ug/l
 RT: 12.30 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Tgt Ion:105 Resp: 854298
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.0 66.0

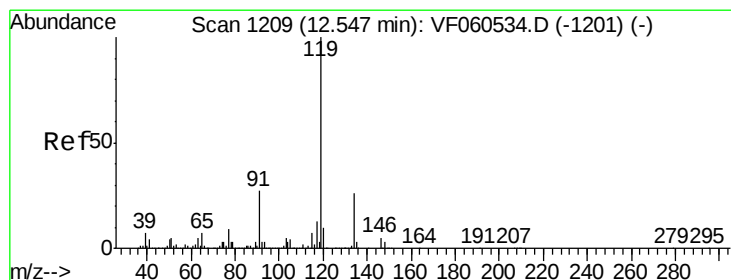
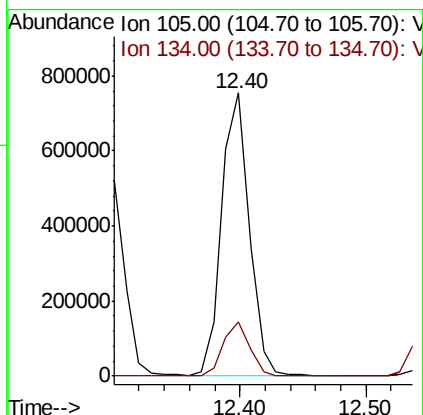
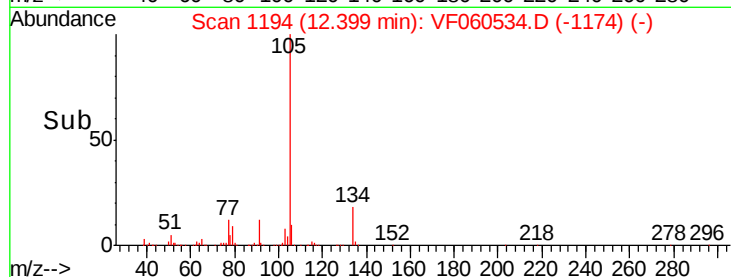
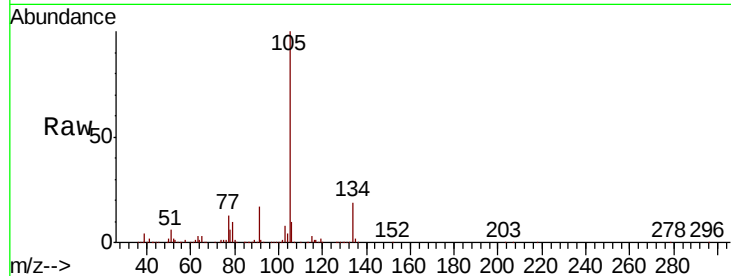




#85
 sec-Butylbenzene
 Concen: 45.044 ug/l
 RT: 12.40 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

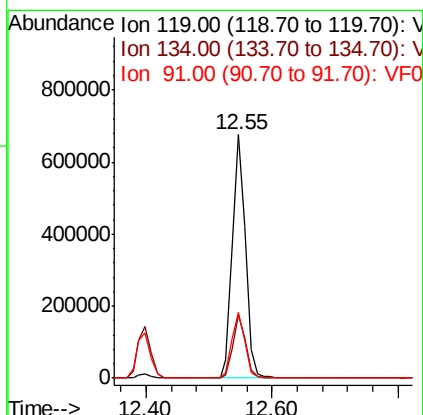
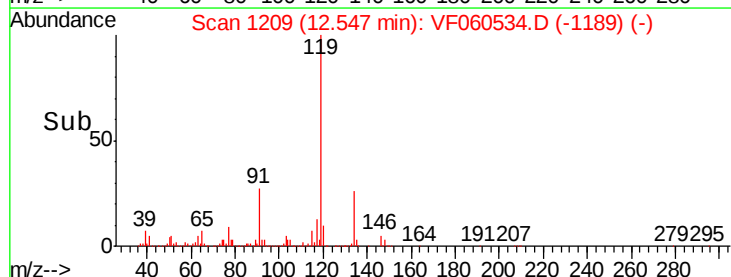
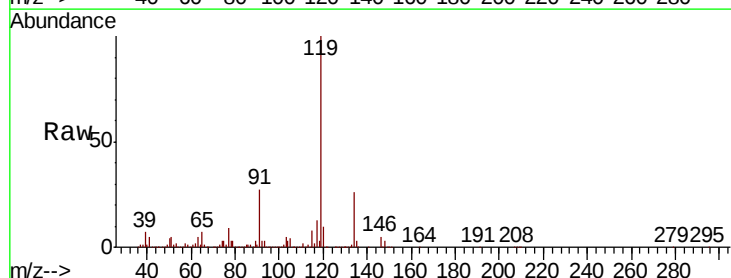
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

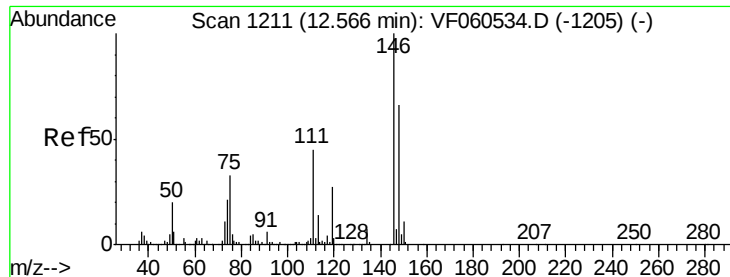
Tgt Ion:105 Resp: 1145214
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 44.355 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Tgt Ion:119 Resp: 953693
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.1 39.1
 91 26.9 13.5 40.4

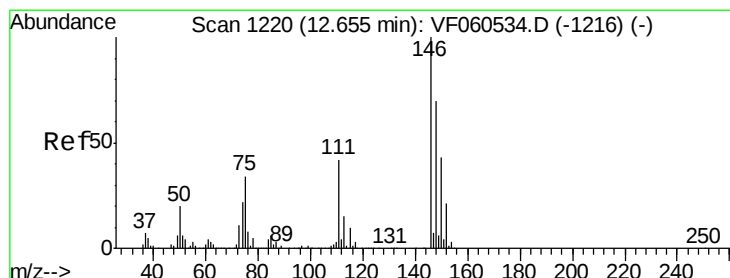
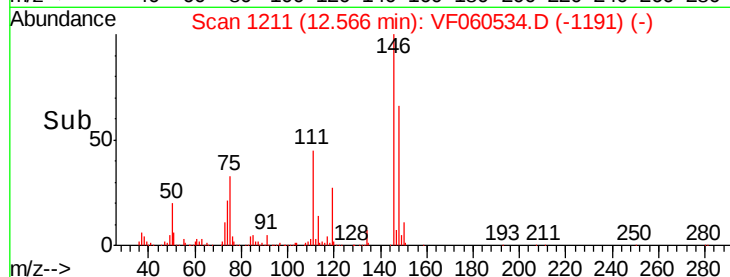
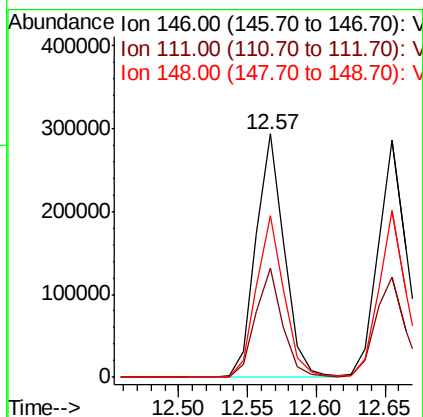
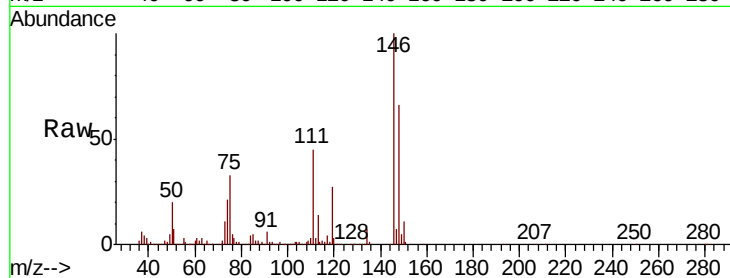




#87
 1,3-Dichlorobenzene
 Concen: 46.391 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

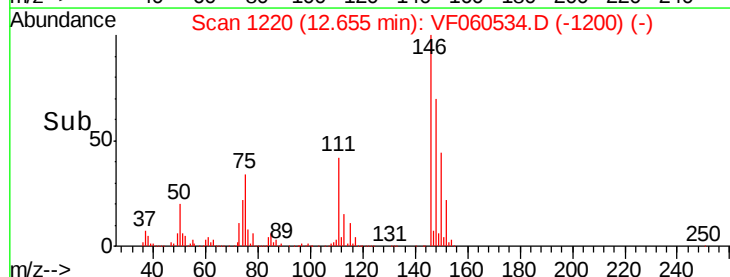
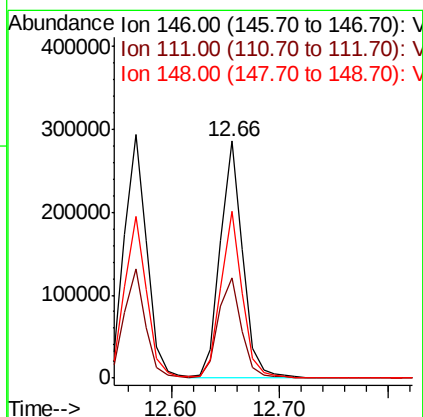
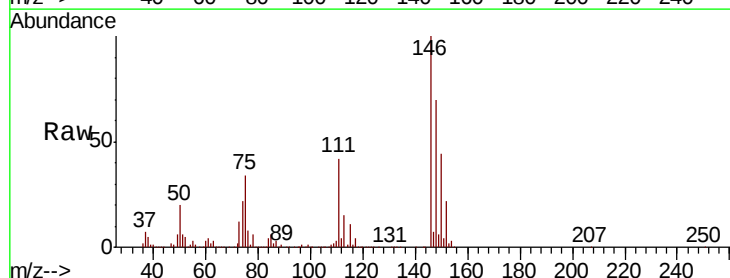
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

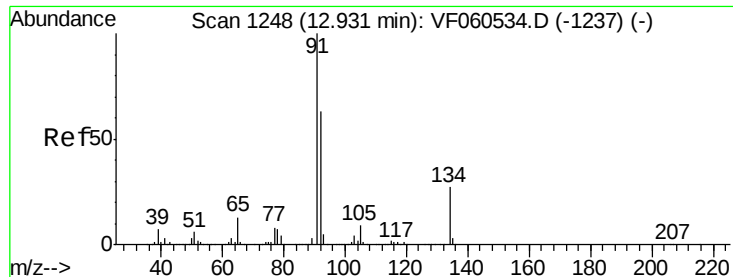
Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.6	67.7
148	66.2	33.1	99.3



#88
 1,4-Dichlorobenzene
 Concen: 46.976 ug/l
 RT: 12.66 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.2	63.6
148	70.3	35.1	105.5

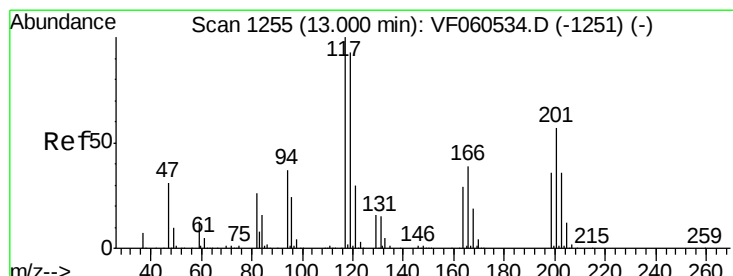
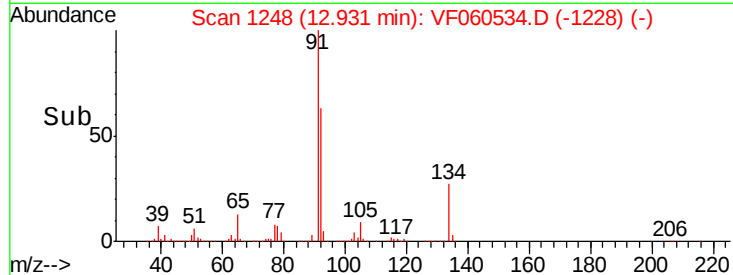
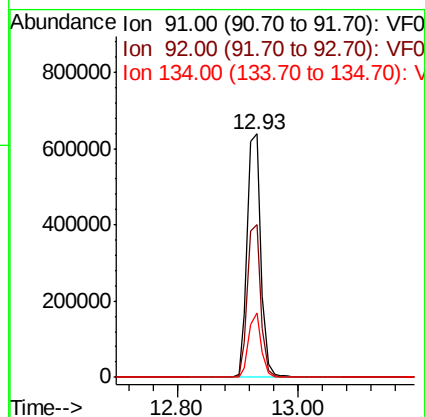
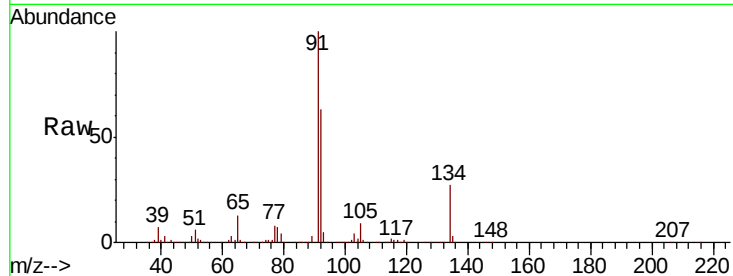




#89
n-Butylbenzene
Concen: 43.920 ug/l
RT: 12.93 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

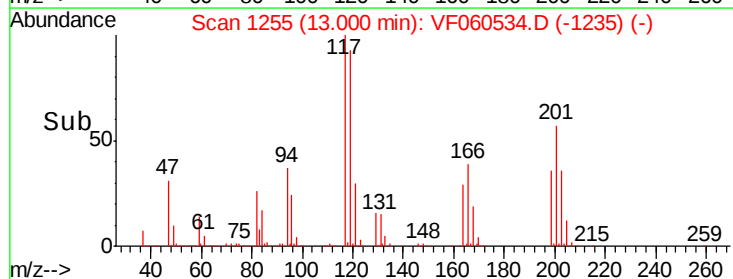
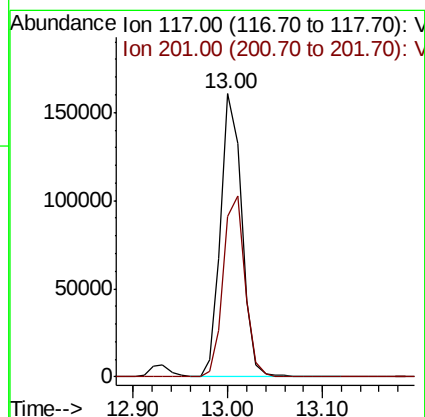
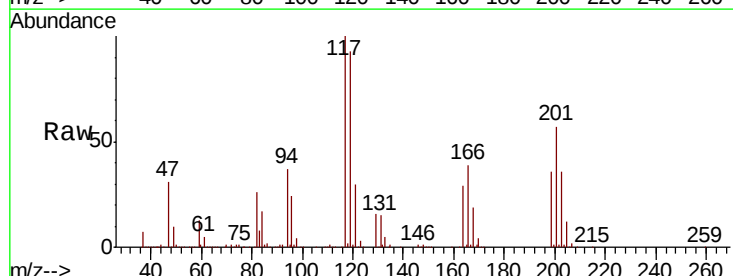
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

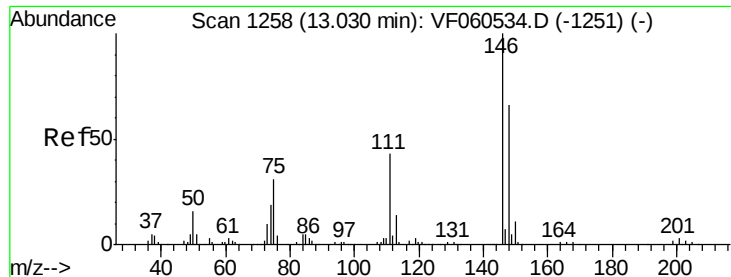
Tgt Ion: 91 Resp: 1005994
Ion Ratio Lower Upper
91 100
92 62.6 31.3 93.9
134 26.5 13.3 39.8



#90
Hexachloroethane
Concen: 44.599 ug/l
RT: 13.00 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Tgt Ion: 117 Resp: 250867
Ion Ratio Lower Upper
117 100
201 56.5 28.2 84.7

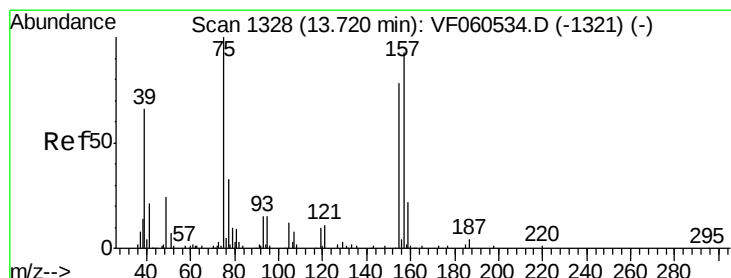
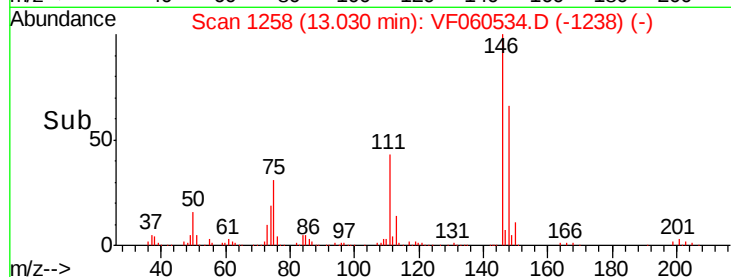
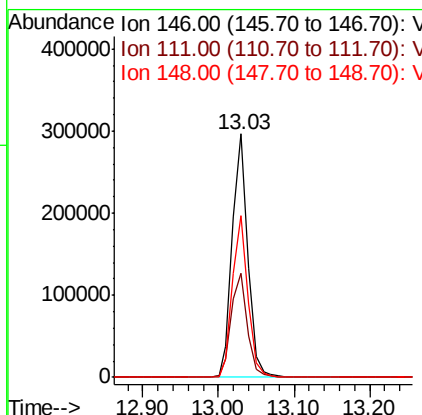
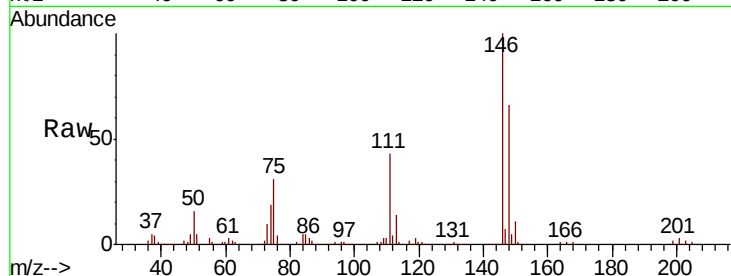




#91
 1,2-Dichlorobenzene
 Concen: 47.815 ug/l
 RT: 13.03 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

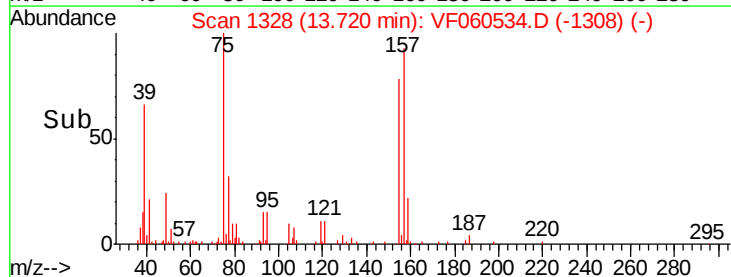
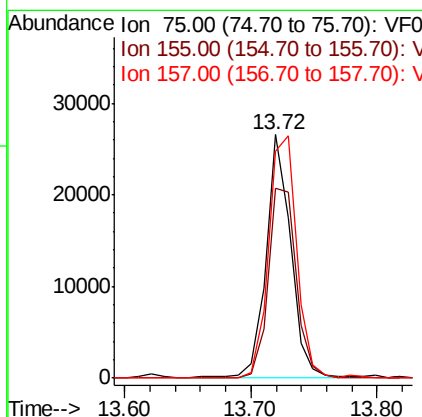
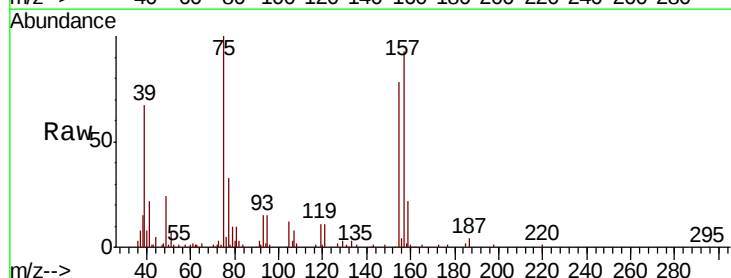
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

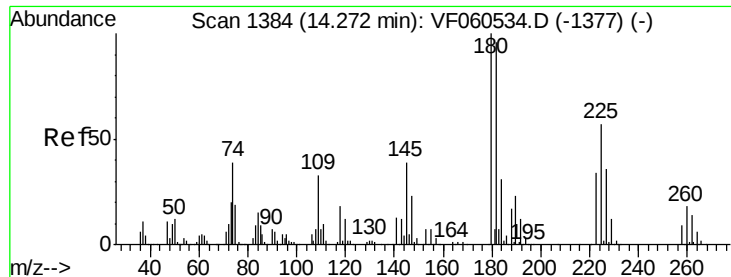
Tgt Ion: 146 Resp: 419161
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.5 64.5
 148 66.3 33.1 99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.072 ug/l
 RT: 13.72 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Tgt Ion: 75 Resp: 36442
 Ion Ratio Lower Upper
 75 100
 155 81.7 40.8 122.5
 157 93.0 46.5 139.5

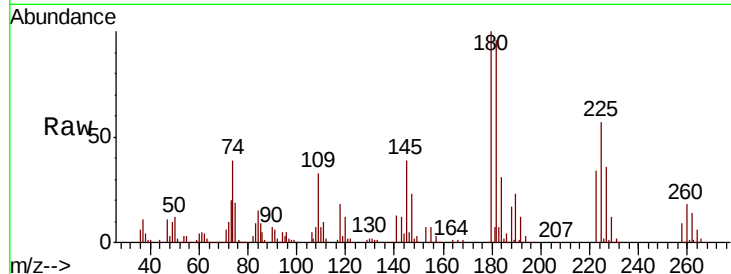




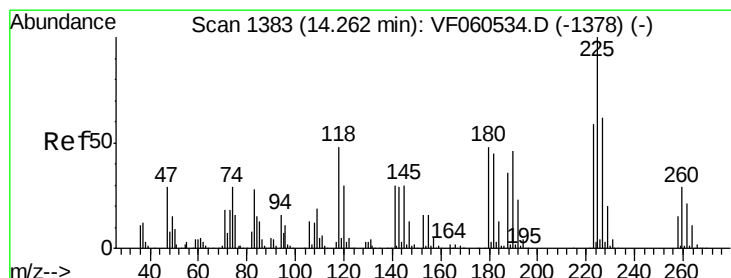
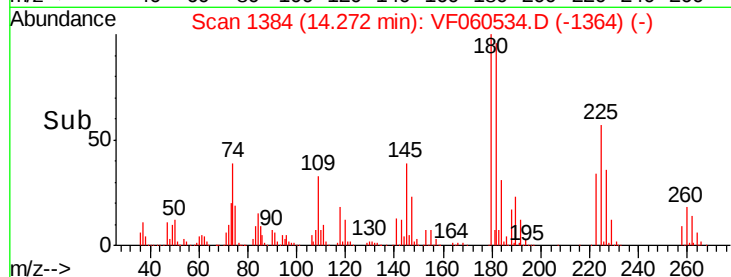
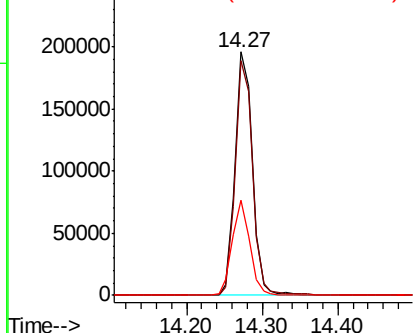
#93
 1,2,4-Trichlorobenzene
 Concen: 43.804 ug/l
 RT: 14.27 min Scan# 1384
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion:180 Resp: 307343
 Ion Ratio Lower Upper
 180 100
 182 96.2 48.1 144.3
 145 39.0 19.5 58.5

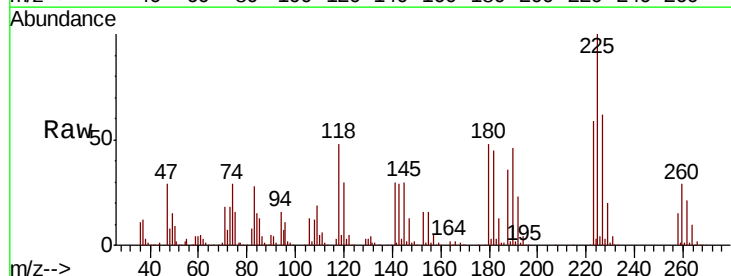


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

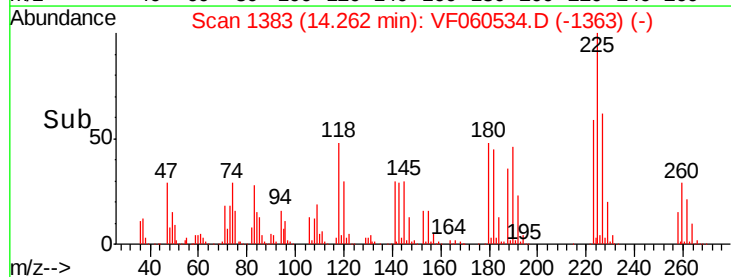
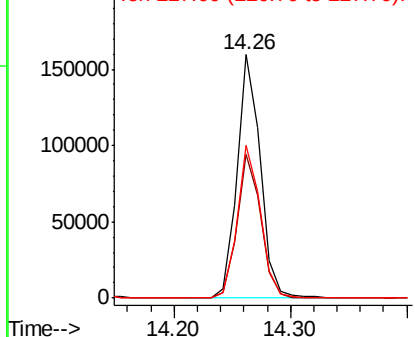


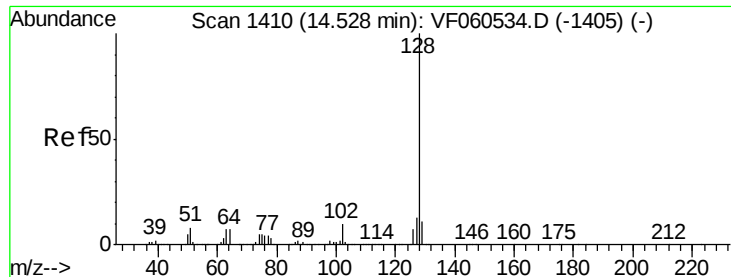
#94
 Hexachlorobutadiene
 Concen: 42.391 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Tgt Ion:225 Resp: 219179
 Ion Ratio Lower Upper
 225 100
 223 59.0 29.5 88.5
 227 62.5 31.3 93.8



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

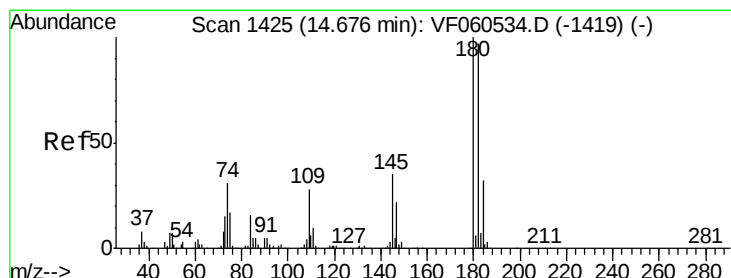
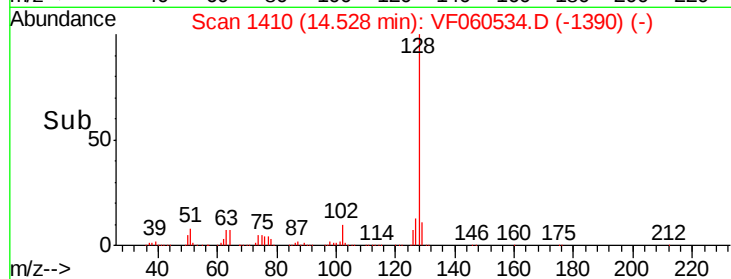
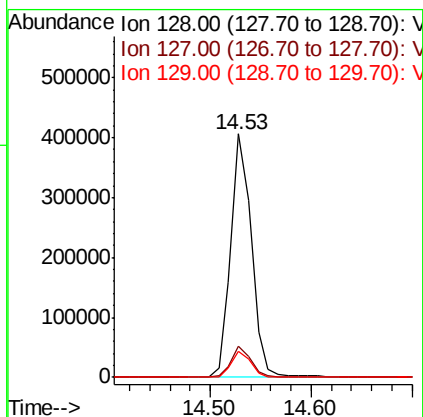
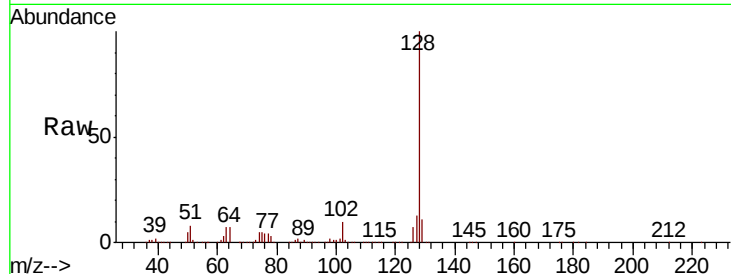




#95
Naphthalene
Concen: 51.554 ug/l
RT: 14.53 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.9	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 46.800 ug/l
RT: 14.68 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	48.7	146.1
145	34.7	17.3	52.0

