

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092618\
 Data File : VF060347.D
 Acq On : 26 Sep 2018 12:21
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 26 15:55:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	297966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	489713	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	436921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	235114	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	194562	48.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.98%	
35) Dibromofluoromethane	4.28	113	207591	47.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.10%	
50) Toluene-d8	7.69	98	526647	46.32	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	92.64%	
62) 4-Bromofluorobenzene	11.51	95	242061	49.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	217472	48.508	ug/l	94
3) Chloromethane	1.13	50	168144	41.410	ug/l	98
4) Vinyl Chloride	1.18	62	181045	43.750	ug/l	97
5) Bromomethane	1.36	94	120993	52.135	ug/l	94
6) Chloroethane	1.42	64	88340	44.824	ug/l	99
7) Trichlorofluoromethane	1.54	101	362032	46.959	ug/l	96
8) Diethyl Ether	1.70	74	58265	45.425	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.90	101	188624	46.005	ug/l	97
10) Methyl Iodide	1.97	142	298401	45.132	ug/l	93
11) Tert butyl alcohol	2.68	59	68117	308.087	ug/l	97
12) 1,1-Dichloroethene	1.85	96	150878	44.496	ug/l	97
13) Acrolein	2.08	56	16545	220.634	ug/l	93
14) Allyl chloride	2.18	41	267730	45.247	ug/l	99
15) Acrylonitrile	3.06	53	135577	239.256	ug/l	99
16) Acetone	2.33	43	333223	294.907	ug/l	98
17) Carbon Disulfide	1.90	76	401666	46.655	ug/l	97
18) Methyl Acetate	2.44	43	96659	51.350	ug/l	95
19) Methyl tert-butyl Ether	2.53	73	426238	50.424	ug/l	98
20) Methylene Chloride	2.27	84	65014	16.292	ug/l	96
21) trans-1,2-Dichloroethene	2.41	96	154448	44.101	ug/l	98
22) Diisopropyl ether	2.91	45	540157	48.383	ug/l	98
23) Vinyl Acetate	3.33	43	1107235	252.522	ug/l	97
24) 1,1-Dichloroethane	2.99	63	335316	46.312	ug/l	99
25) 2-Butanone	4.49	43	429813	282.610	ug/l	98
26) 2,2-Dichloropropane	3.75	77	189414	45.850	ug/l	100
27) cis-1,2-Dichloroethene	3.62	96	213642	46.435	ug/l	93
28) Bromochloromethane	3.88	49	136909	48.568	ug/l	89
29) Tetrahydrofuran	4.23	42	150515	270.249	ug/l	97
30) Chloroform	4.03	83	420943	48.184	ug/l	100
31) Cyclohexane	3.86	56	261508	42.760	ug/l	98
32) 1,1,1-Trichloroethane	4.26	97	327587	47.522	ug/l	97
36) 1,1-Dichloropropene	4.45	75	301029	49.281	ug/l	95
37) Ethyl Acetate	4.28	43	122372	47.345	ug/l #	86
38) Carbon Tetrachloride	4.16	117	354872	54.087	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	296006	44.711	ug/l	95
40) Benzene	4.81	78	680234	49.111	ug/l	100
41) Methacrylonitrile	4.91	41	75112	53.556	ug/l	94
42) 1,2-Dichloroethane	5.10	62	275245	53.989	ug/l	97
43) Isopropyl Acetate	7.10	43	174423	56.056	ug/l #	91
44) Trichloroethene	5.66	130	195498	47.426	ug/l	99
45) 1,2-Dichloropropane	6.39	63	177094	49.403	ug/l	90
46) Dibromomethane	6.24	93	124678	48.658	ug/l	96
47) Bromodichloromethane	6.54	83	298291	48.442	ug/l	98
48) Methyl methacrylate	6.87	41	110906	50.775	ug/l	91
49) 1,4-Dioxane	6.85	88	22952	1176.185	ug/l #	81
51) 4-Methyl-2-Pentanone	8.39	43	778229	324.502	ug/l	99
52) Toluene	7.77	92	432080	49.310	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	257585	51.860	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	317642	50.764	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	149271	56.128	ug/l	98
56) Ethyl methacrylate	8.75	69	192139	59.820	ug/l	98
57) 1,3-Dichloropropane	8.99	76	253344	57.532	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.76	63	68319	240.607	ug/l	100
59) 2-Hexanone	9.63	43	580965	340.232	ug/l	98
60) Dibromochloromethane	8.86	129	211766	53.424	ug/l	97
61) 1,2-Dibromoethane	9.13	107	151846	51.273	ug/l	89
64) Tetrachloroethene	8.29	164	183115	46.232	ug/l	95
65) Chlorobenzene	9.93	112	498325	50.323	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	206736	50.306	ug/l	96
67) Ethyl Benzene	10.03	91	898296	49.062	ug/l	99
68) m/p-Xylenes	10.27	106	616149	97.405	ug/l	89
69) o-Xylene	10.82	106	352080	49.623	ug/l	97
70) Styrene	10.90	104	481330	48.105	ug/l	98
71) Bromoform	10.88	173	116888	51.790	ug/l #	97
73) Isopropylbenzene	11.22	105	1022821	48.459	ug/l	98
74) N-amyl acetate	11.46	43	256661	57.024	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	202989	54.266	ug/l	91
76) 1,2,3-Trichloropropane	11.88	75	143018	53.398	ug/l	89
77) Bromobenzene	11.59	156	220176	48.404	ug/l	90
78) n-propylbenzene	11.69	91	1180929	58.130	ug/l	94
79) 2-Chlorotoluene	11.80	91	696455	48.916	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	840311	49.458	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	92120	65.083	ug/l	95
82) 4-Chlorotoluene	11.98	91	677395	47.336	ug/l	100
83) tert-Butylbenzene	12.21	119	826103	47.964	ug/l	95
84) 1,2,4-Trimethylbenzene	12.29	105	781468	45.296	ug/l	96
85) sec-Butylbenzene	12.39	105	1078135	54.515	ug/l	99
86) p-Isopropyltoluene	12.53	119	877565	55.664	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	395173	46.491	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	410917	48.910	ug/l	95
89) n-Butylbenzene	12.92	91	961140	54.431	ug/l	96
90) Hexachloroethane	12.99	117	231900	48.117	ug/l	93
91) 1,2-Dichlorobenzene	13.02	146	389073	47.983	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	37024	52.718	ug/l	85

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QLast Update : Thu Sep 20 02:58:42 2018
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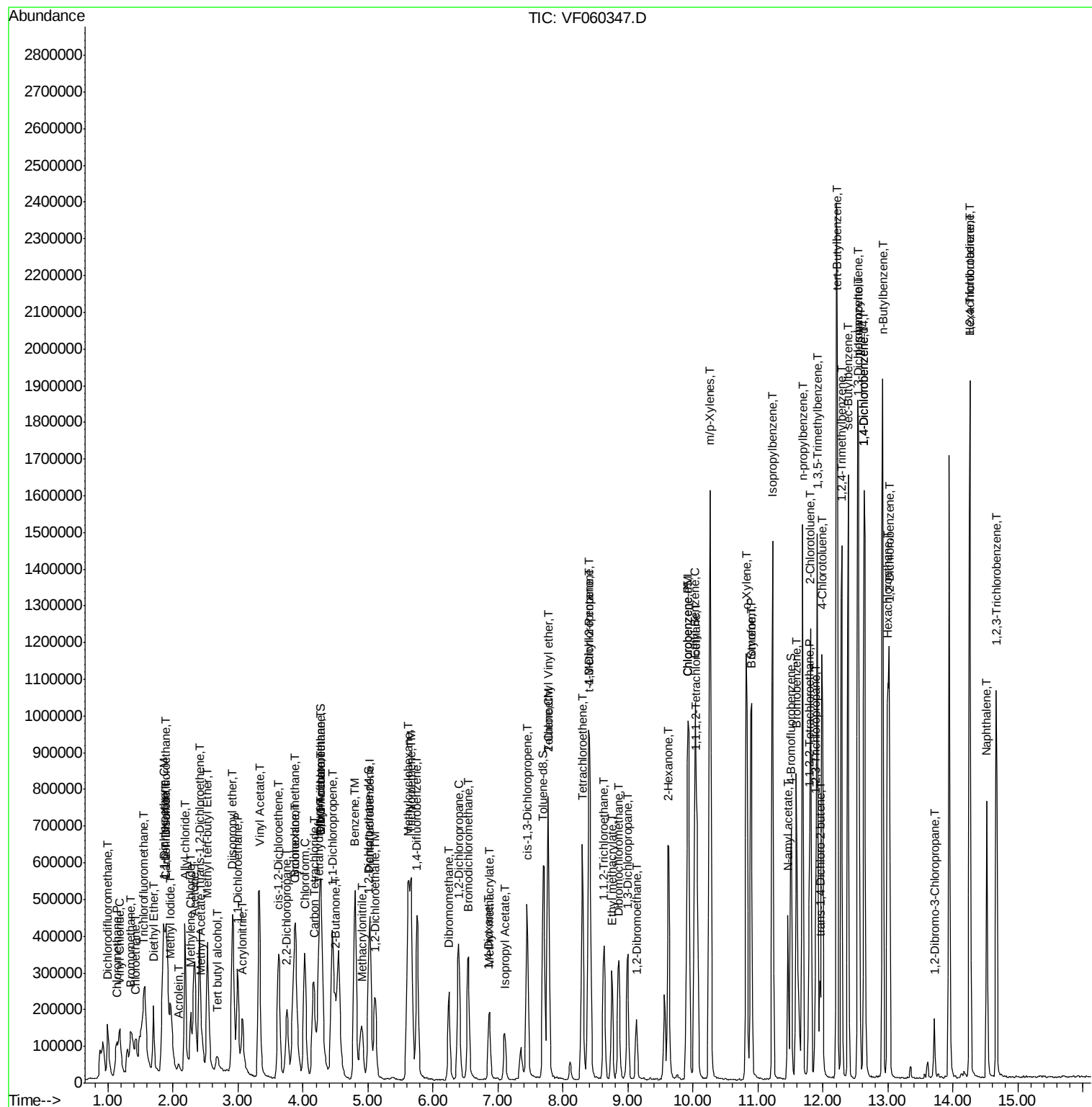
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	288611	48.970	ug/l	96
94) Hexachlorobutadiene	14.25	225	187704	47.113	ug/l	100
95) Naphthalene	14.52	128	581253	56.252	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	282226	51.824	ug/l	96

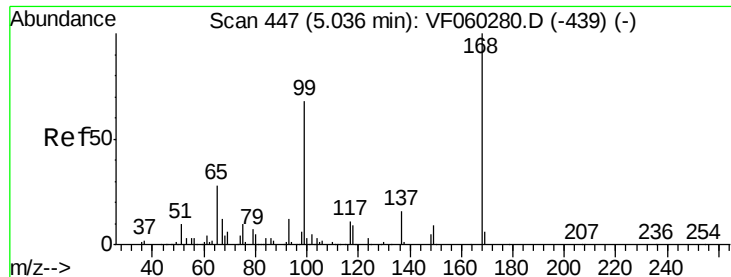
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

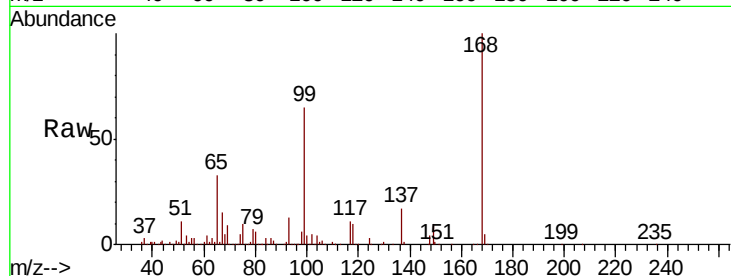
VSTDCCC050

Tot Ion:168 Resp: 297966

Ion Ratio Lower Upper

168 100

99 64.7 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

100000

80000

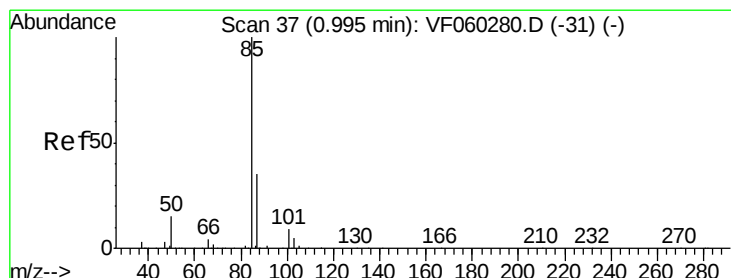
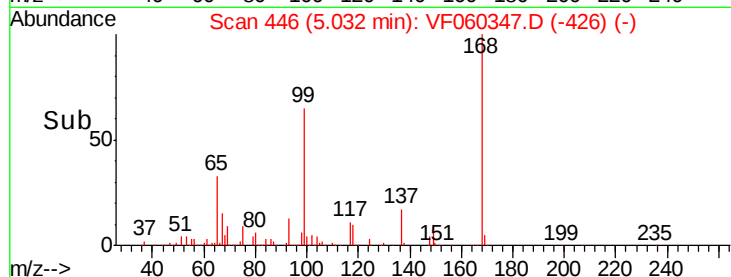
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.508 ug/l

RT: 0.99 min Scan# 36

Delta R.T. -0.00 min

Lab File: VF060347.D

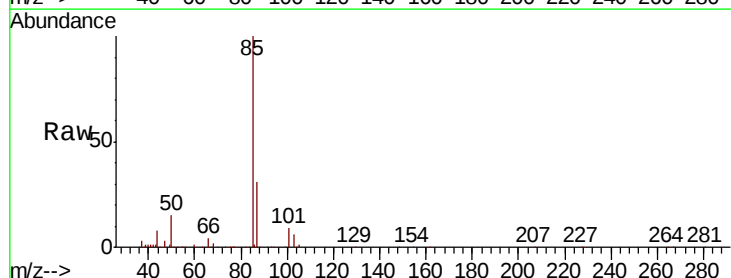
Acq: 26 Sep 2018 12:21

Tgt Ion: 85 Resp: 217472

Ion Ratio Lower Upper

85 100

87 31.5 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

80000

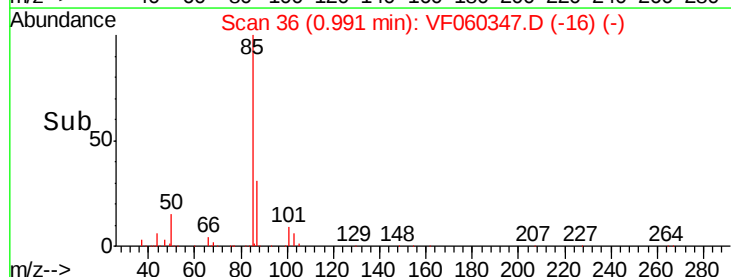
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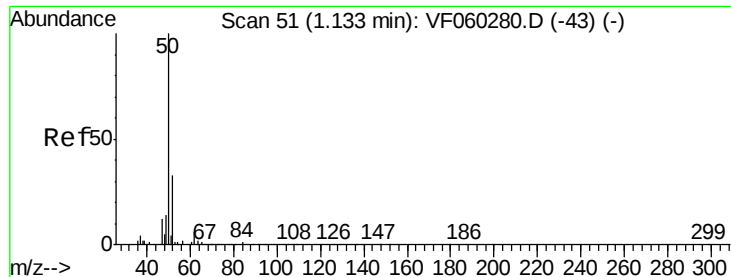
40000

20000

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Time-->





#3

Chloromethane

Concen: 41.410 ug/l

RT: 1.13 min Scan# 50

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

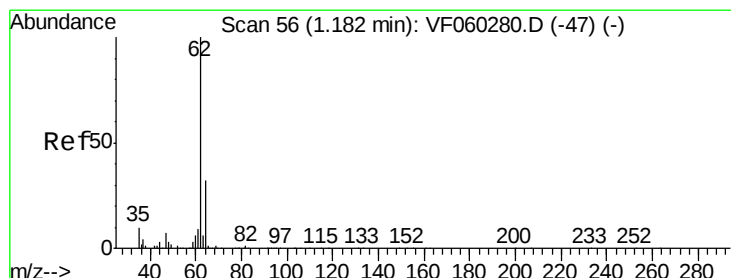
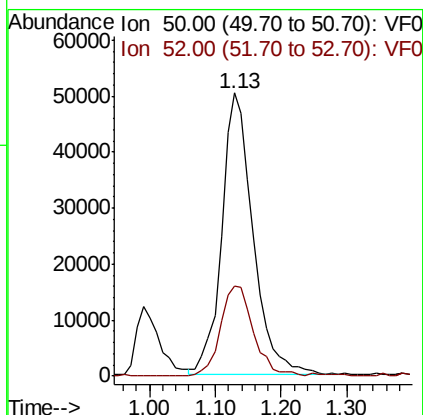
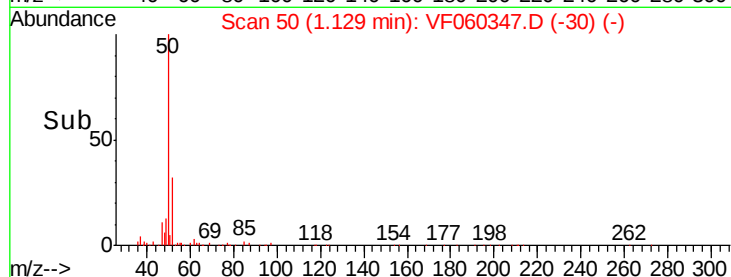
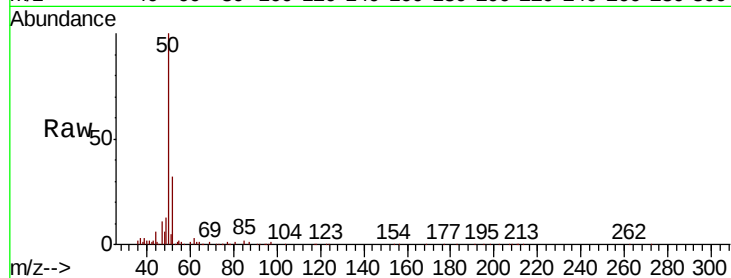
VSTDCCC050

Tot Ion: 50 Resp: 168144

Ion Ratio Lower Upper

50 100

52 31.9 26.5 39.7



#4

Vinyl Chloride

Concen: 43.750 ug/l

RT: 1.18 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060347.D

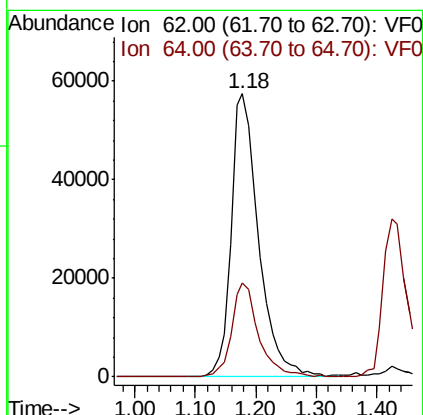
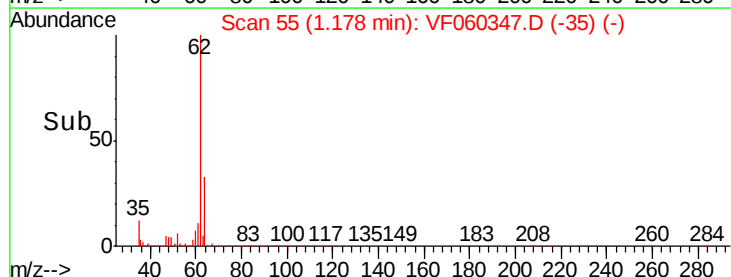
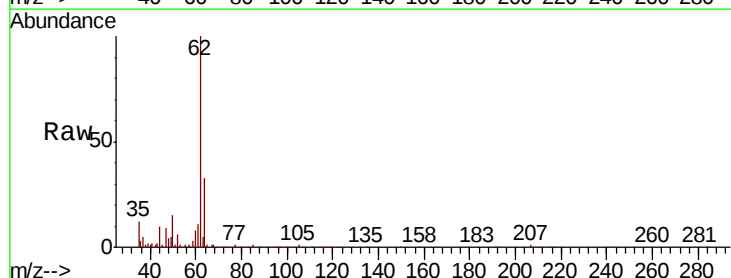
Acq: 26 Sep 2018 12:21

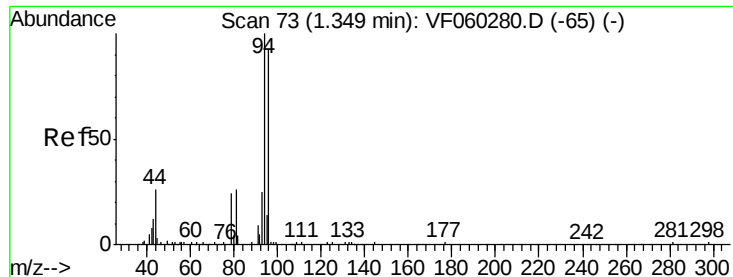
Tgt Ion: 62 Resp: 181045

Ion Ratio Lower Upper

62 100

64 33.0 25.2 37.8





#5

Bromomethane

Concen: 52.135 ug/l

RT: 1.36 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

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ClientSampleId :

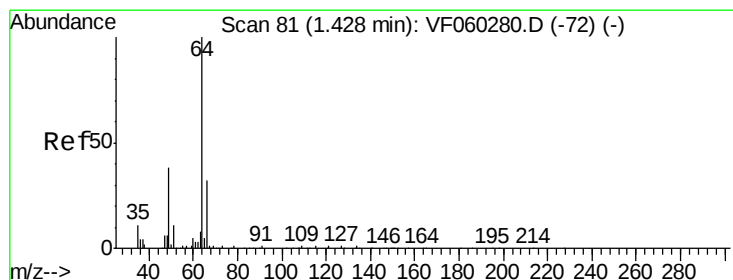
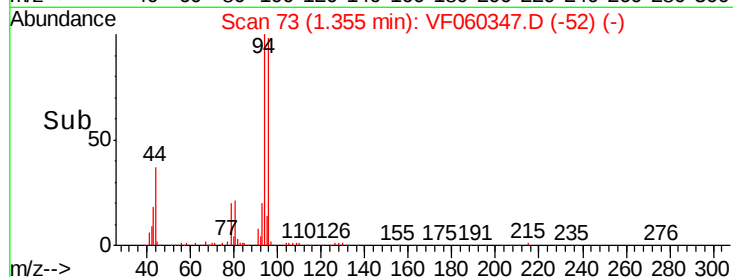
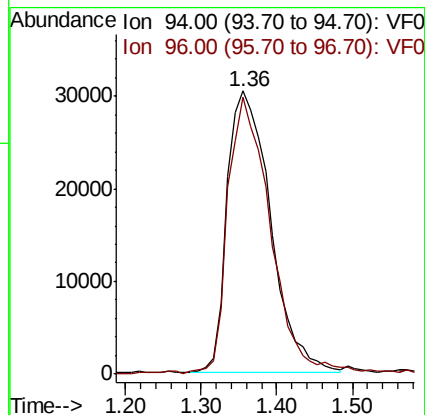
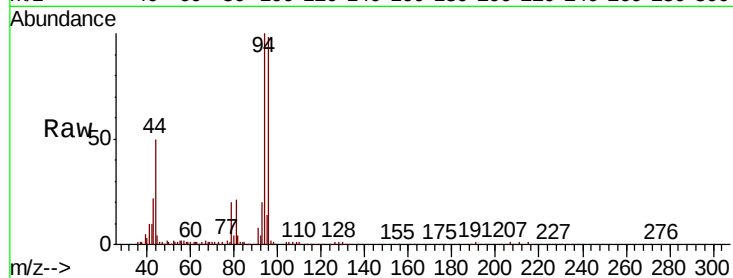
VSTDCCC050

Tot Ion: 94 Resp: 120993

Ion Ratio Lower Upper

94 100

96 97.7 73.9 110.9



#6

Chloroethane

Concen: 44.824 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF060347.D

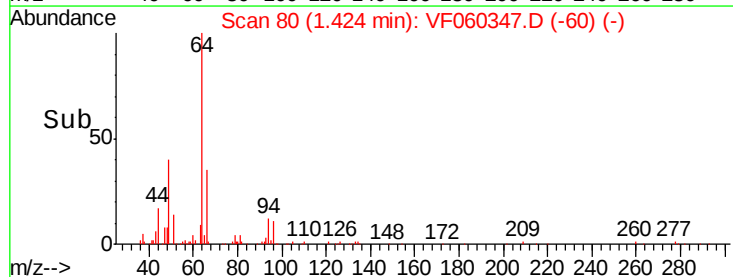
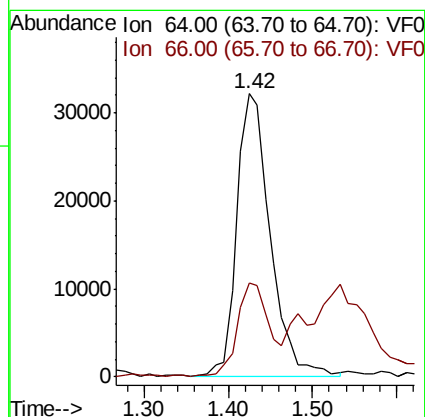
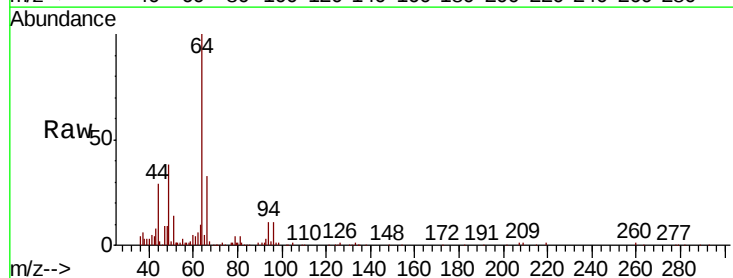
Acq: 26 Sep 2018 12:21

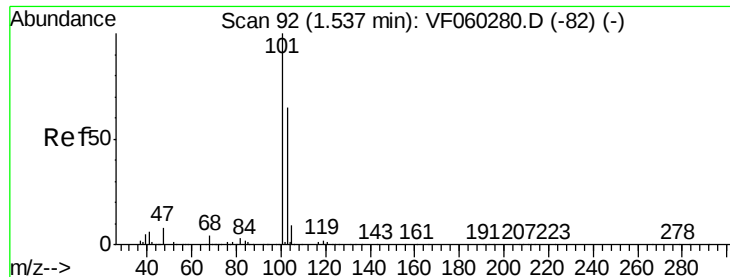
Tgt Ion: 64 Resp: 88340

Ion Ratio Lower Upper

64 100

66 33.3 26.2 39.2



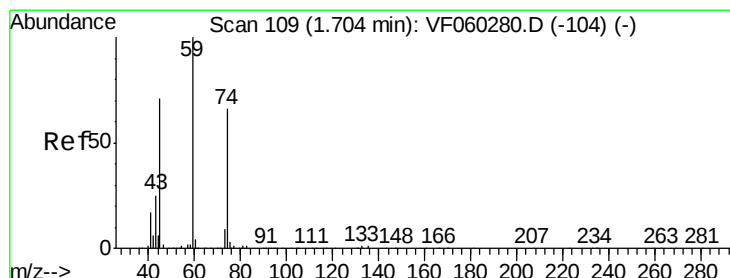
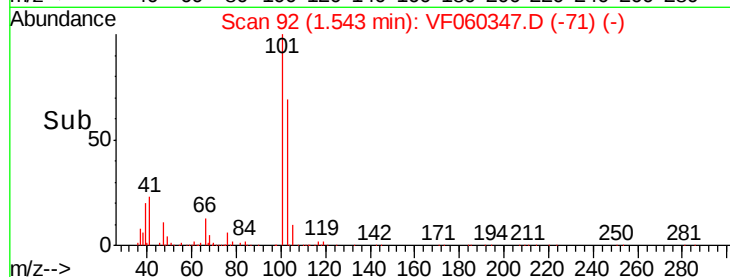
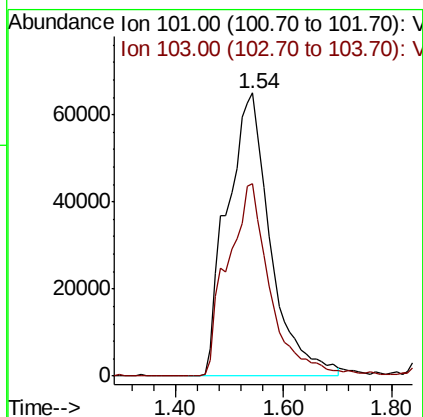
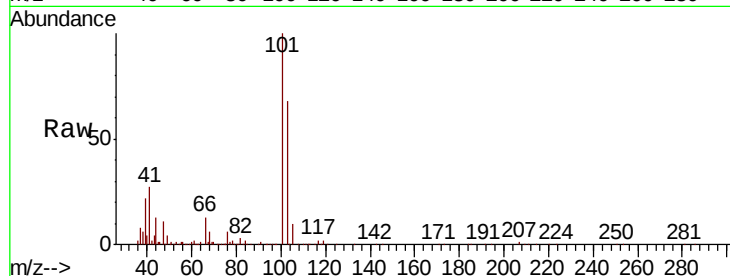


#7

Trichlorofluoromethane
Concen: 46.959 ug/l
RT: 1.54 min Scan# 92
Delta R.T. 0.01 min
Lab File: VF060347.D
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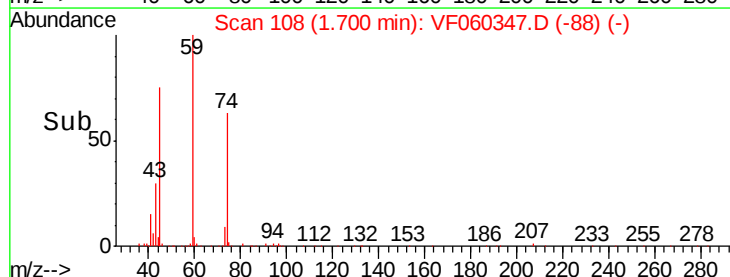
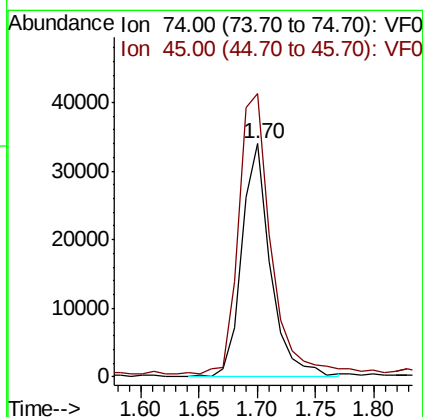
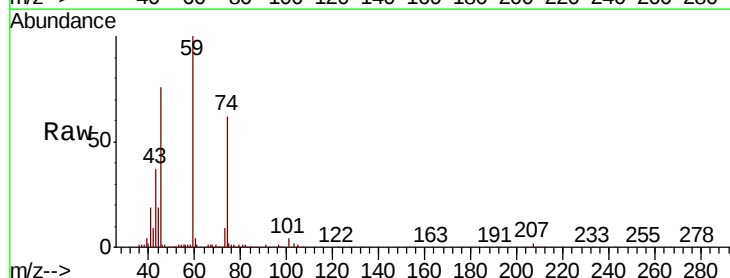
Tot Ion:101 Resp: 362032
Ion Ratio Lower Upper
101 100
103 68.2 52.0 78.0

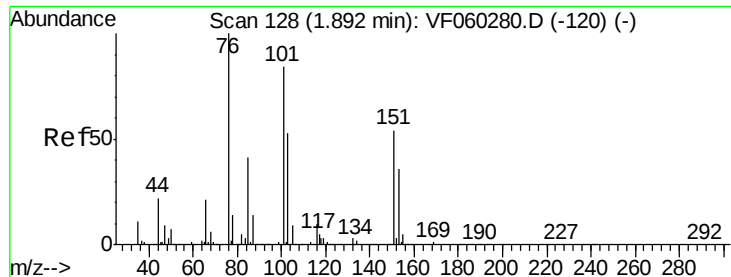


#8

Diethyl Ether
Concen: 45.425 ug/l
RT: 1.70 min Scan# 108
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion: 74 Resp: 58265
Ion Ratio Lower Upper
74 100
45 121.3 53.9 161.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.005 ug/l

RT: 1.90 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

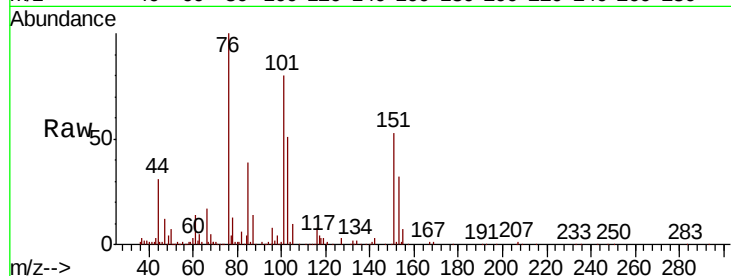
Tot Ion:101 Resp: 188624

Ion Ratio Lower Upper

101 100

85 49.1 38.7 58.1

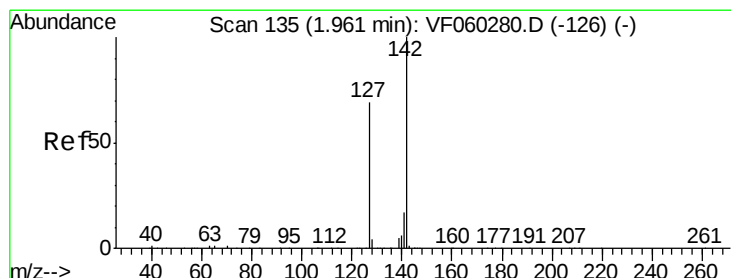
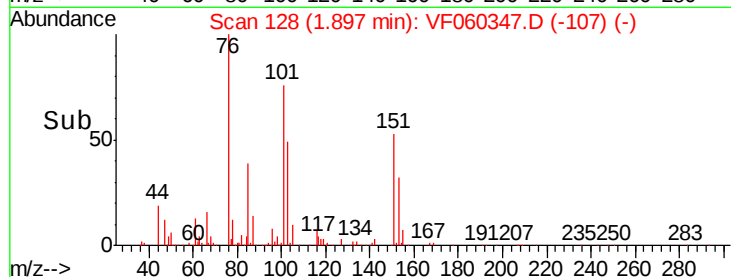
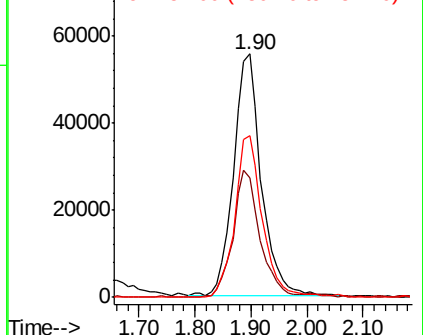
151 66.3 50.8 76.2



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: 45.132 ug/l

RT: 1.97 min Scan# 135

Delta R.T. 0.01 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

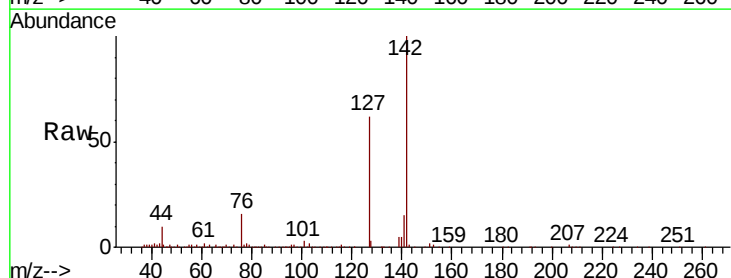
Tgt Ion:142 Resp: 298401

Ion Ratio Lower Upper

142 100

127 62.5 55.4 83.0

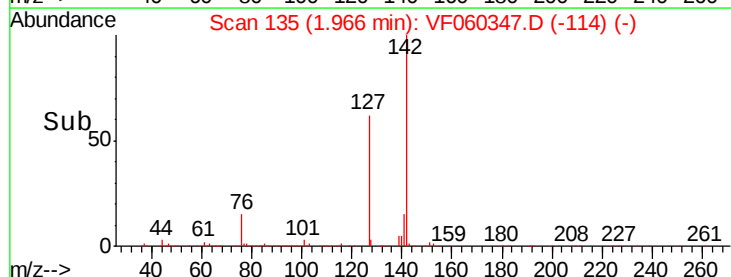
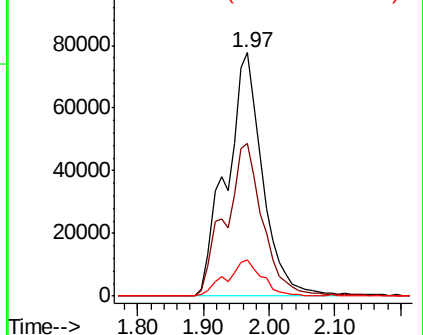
141 14.9 13.3 19.9

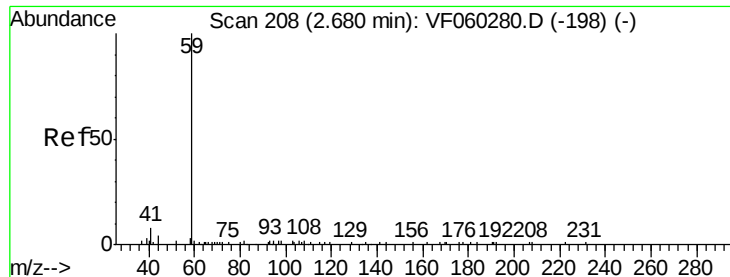


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



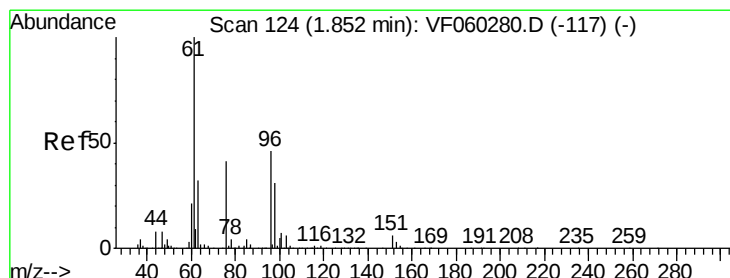
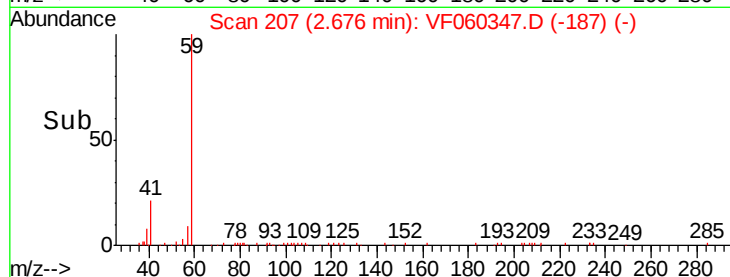
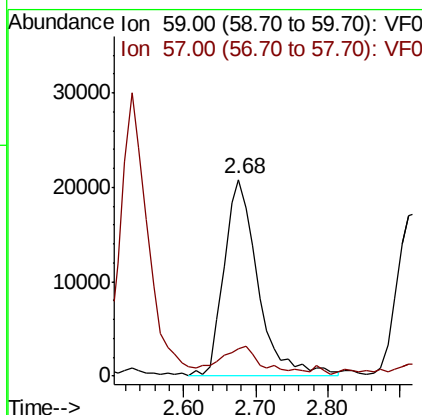
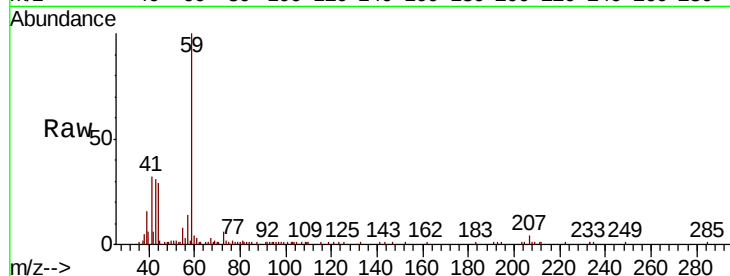


#11

Tert butyl alcohol
 Concen: 308.087 ug/l
 RT: 2.68 min Scan# 207
 Delta R.T. -0.00 min
 Lab File: VF060347.D
 Acq: 26 Sep 2018 12:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

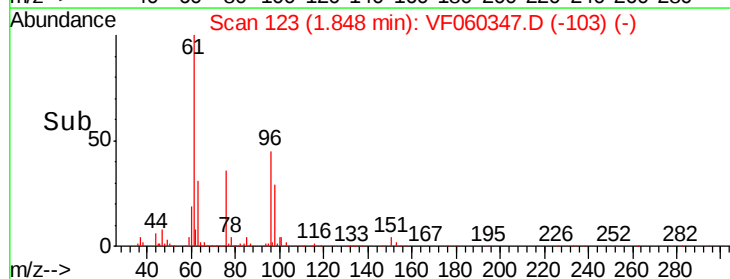
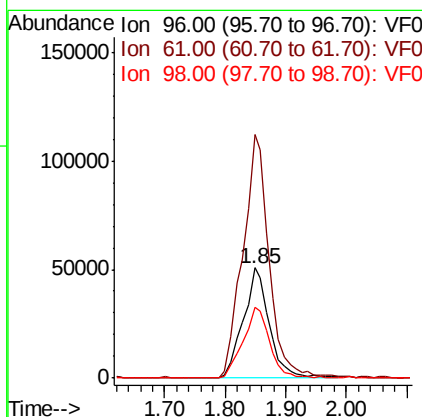
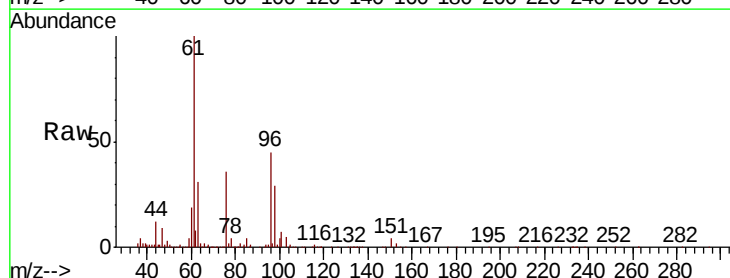
Tot Ion: 59 Resp: 68117
 Ion Ratio Lower Upper
 59 100
 57 14.2 12.4 18.6

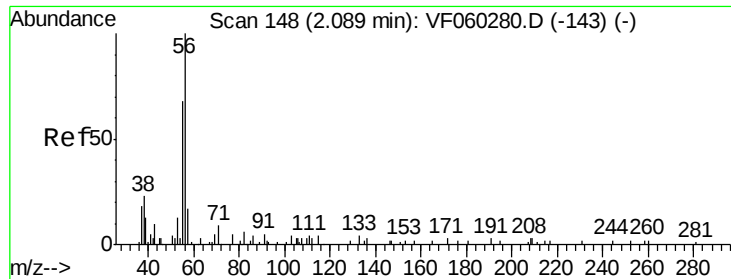


#12

1,1-Dichloroethene
 Concen: 44.496 ug/l
 RT: 1.85 min Scan# 123
 Delta R.T. -0.00 min
 Lab File: VF060347.D
 Acq: 26 Sep 2018 12:21

Tgt Ion: 96 Resp: 150878
 Ion Ratio Lower Upper
 96 100
 61 220.4 172.2 258.2
 98 64.6 54.1 81.1

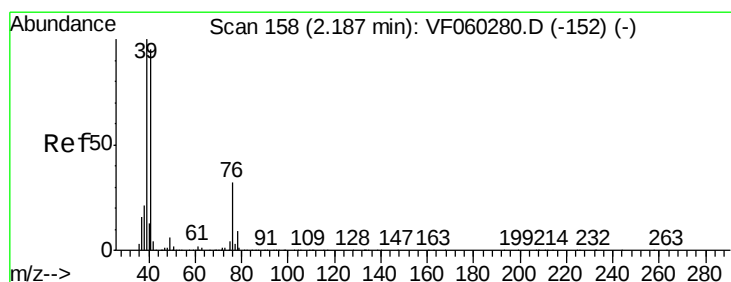
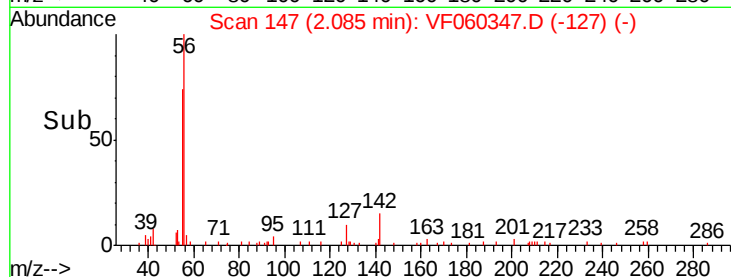
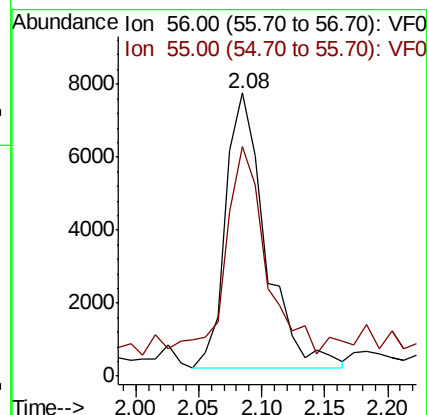
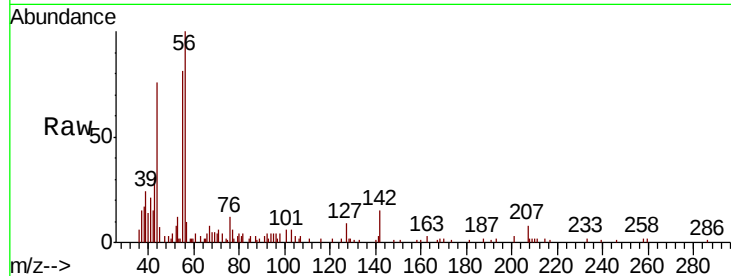




#13
Acrolein
Concen: 220.634 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

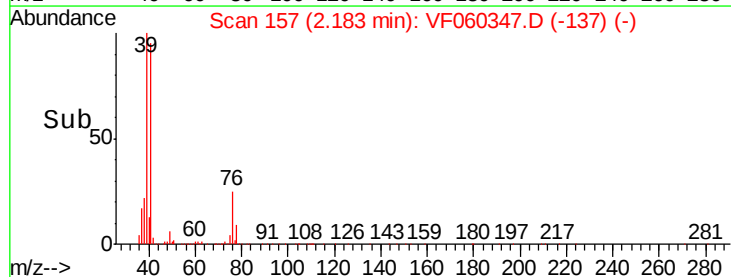
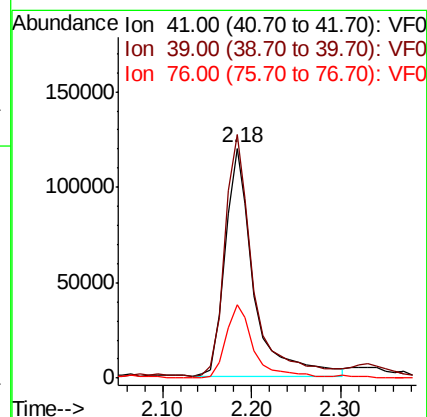
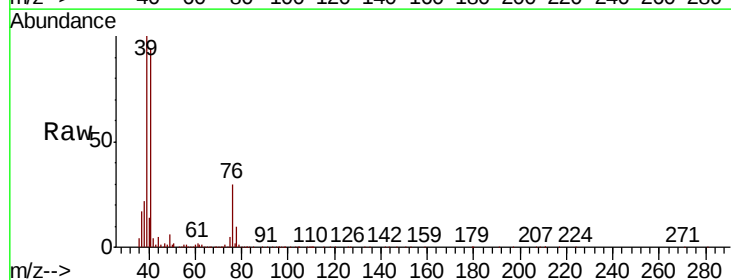
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

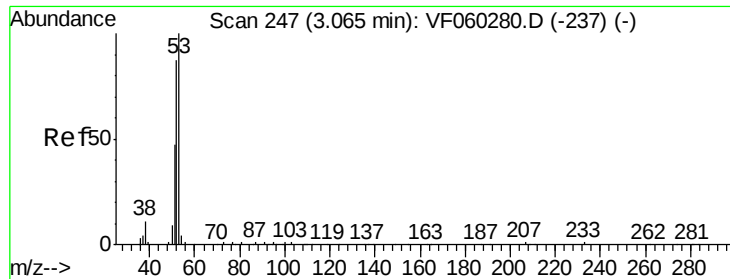
Tot Ion: 56 Resp: 16545
Ion Ratio Lower Upper
56 100
55 81.0 69.9 104.9



#14
Allyl chloride
Concen: 45.247 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion: 41 Resp: 267730
Ion Ratio Lower Upper
41 100
39 105.8 84.8 127.2
76 31.6 27.4 41.2





#15

Acrylonitrile

Concen: 239.256 ug/l

RT: 3.06 min Scan# 246

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

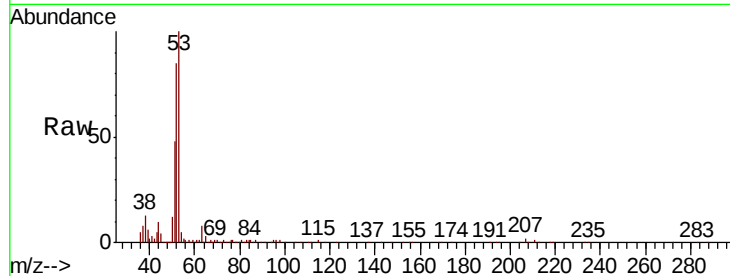
MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 135577

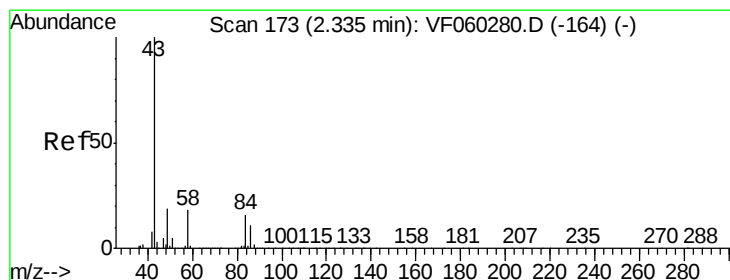
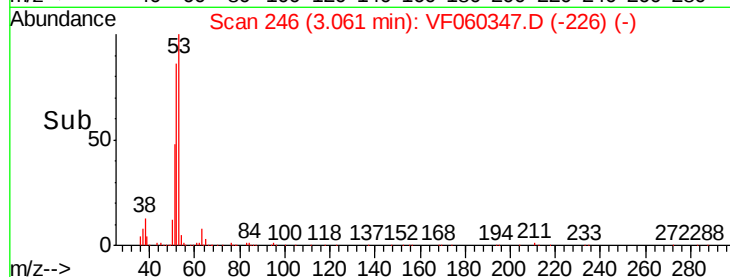
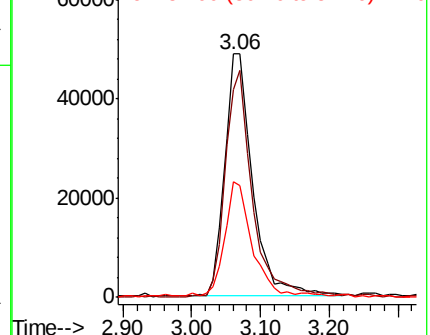
Ion	Ratio	Lower	Upper
53	100		
52	85.3	69.5	104.3
51	47.7	38.1	57.1



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: 294.907 ug/l

RT: 2.33 min Scan# 172

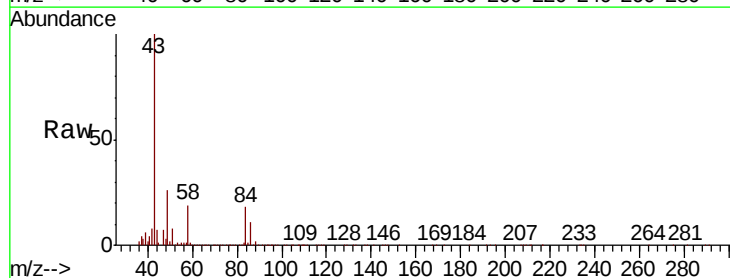
Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

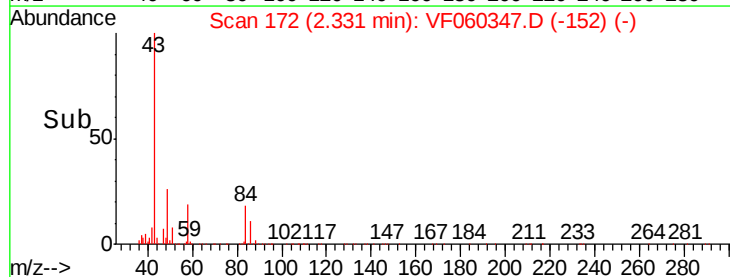
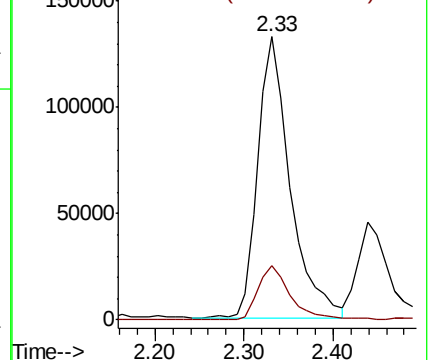
Tgt Ion: 43 Resp: 333223

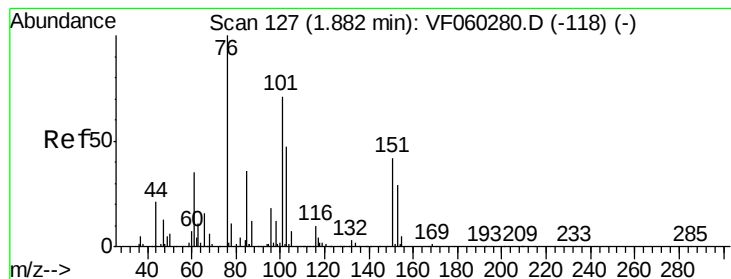
Ion	Ratio	Lower	Upper
43	100		
58	19.1	14.5	21.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 46.655 ug/l

RT: 1.90 min Scan# 128

Delta R.T. 0.02 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

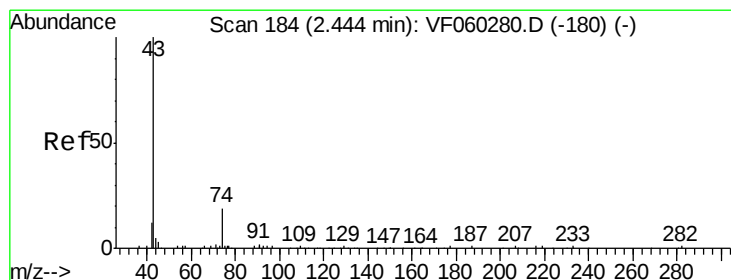
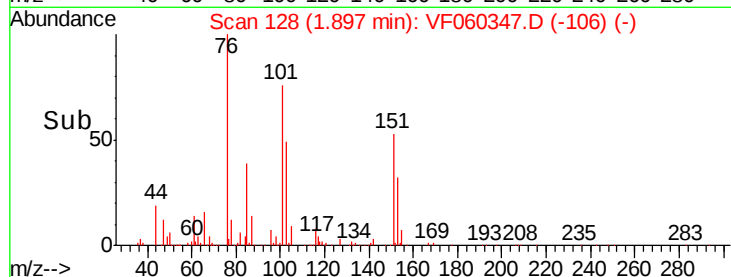
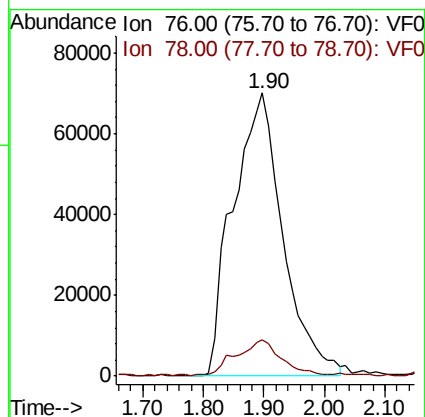
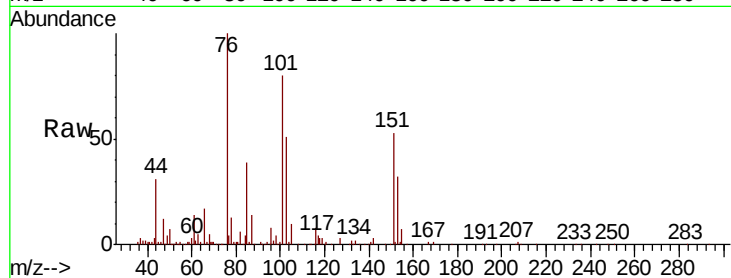
VSTDCCC050

Tot Ion: 76 Resp: 401666

Ion Ratio Lower Upper

76 100

78 12.7 9.4 14.0



#18

Methyl Acetate

Concen: 51.350 ug/l

RT: 2.44 min Scan# 183

Delta R.T. -0.00 min

Lab File: VF060347.D

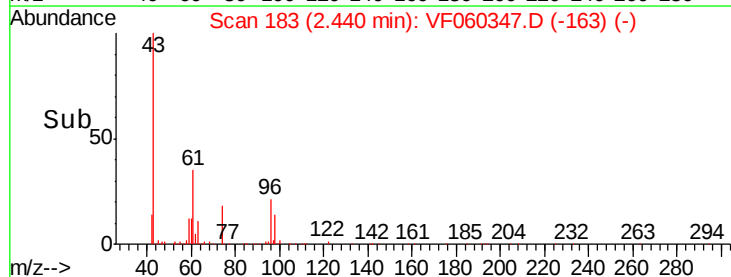
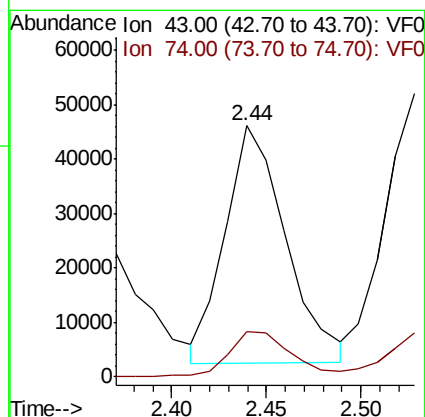
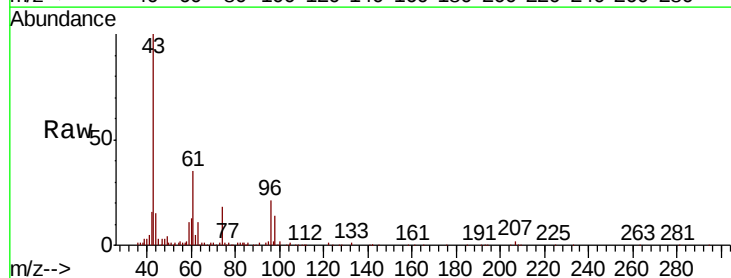
Acq: 26 Sep 2018 12:21

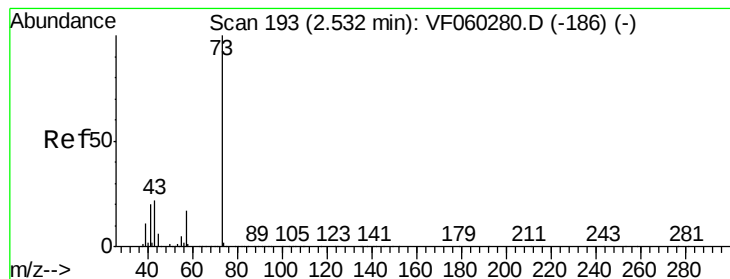
Tgt Ion: 43 Resp: 96659

Ion Ratio Lower Upper

43 100

74 18.2 12.7 19.1



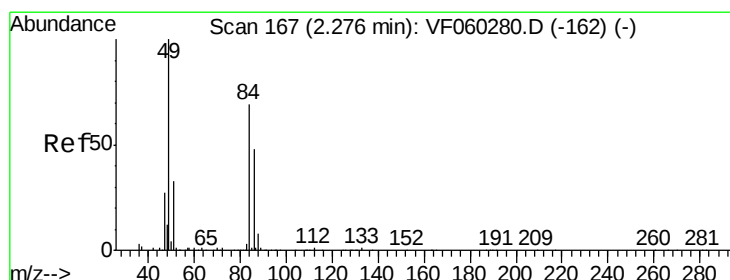
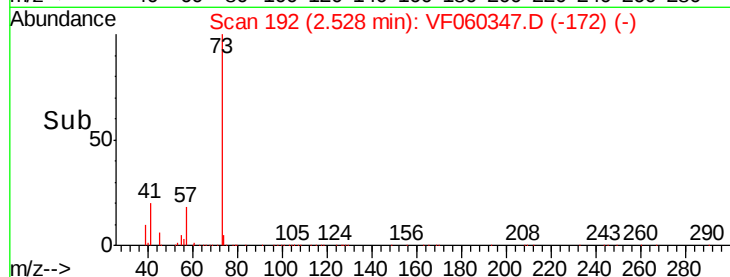
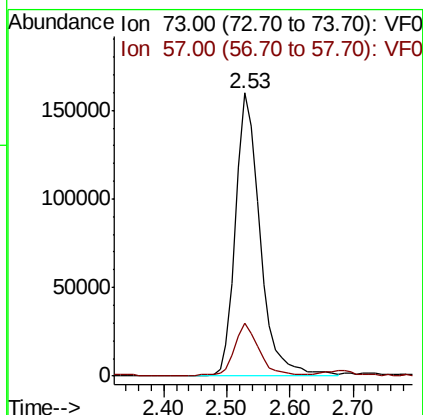
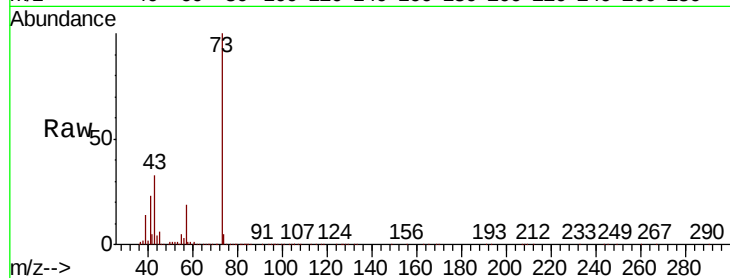


#19

Methyl tert-butyl Ether
 Concen: 50.424 ug/l
 RT: 2.53 min Scan# 192
 Delta R.T. -0.00 min
 Lab File: VF060347.D
 Acq: 26 Sep 2018 12:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

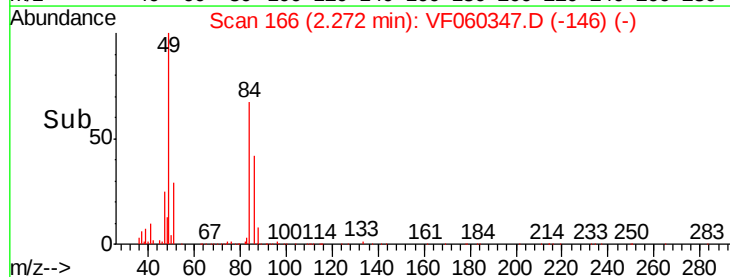
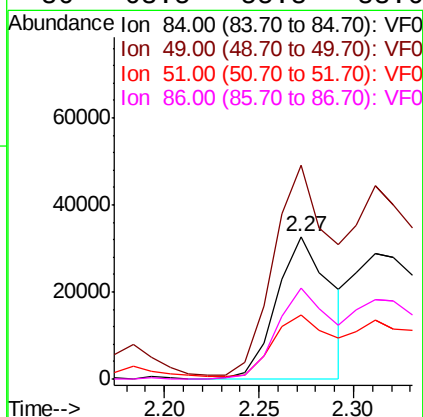
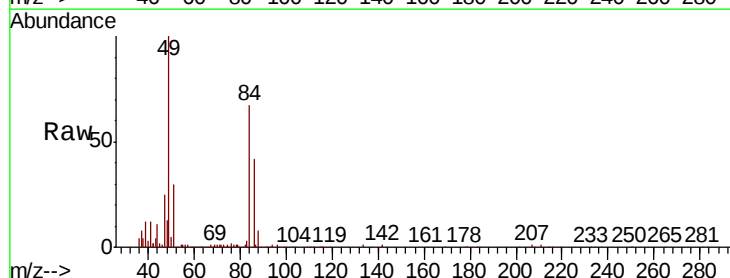
Tot Ion: 73 Resp: 426238
 Ion Ratio Lower Upper
 73 100
 57 18.8 14.5 21.7

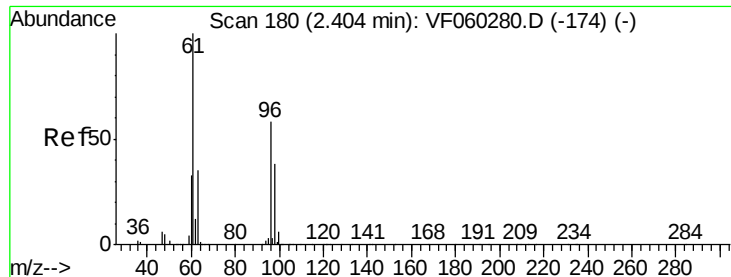


#20

Methylene Chloride
 Concen: 16.292 ug/l
 RT: 2.27 min Scan# 166
 Delta R.T. -0.00 min
 Lab File: VF060347.D
 Acq: 26 Sep 2018 12:21

Tgt Ion: 84 Resp: 65014
 Ion Ratio Lower Upper
 84 100
 49 149.7 118.3 177.5
 51 44.7 38.7 58.1
 86 63.5 55.8 83.6





#21

trans-1,2-Dichloroethene

Concen: 44.101 ug/l

RT: 2.41 min Scan# 180

Delta R.T. 0.01 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

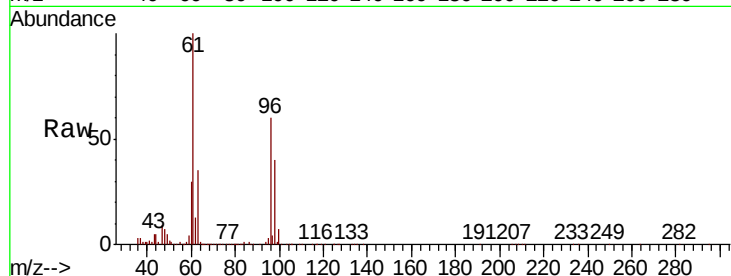
Tot Ion: 96 Resp: 154448

Ion Ratio Lower Upper

96 100

61 166.8 136.4 204.6

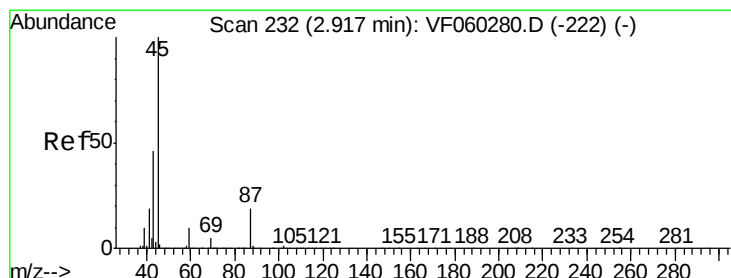
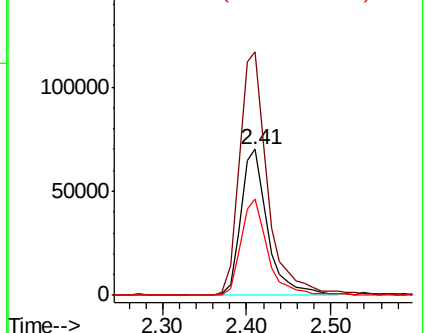
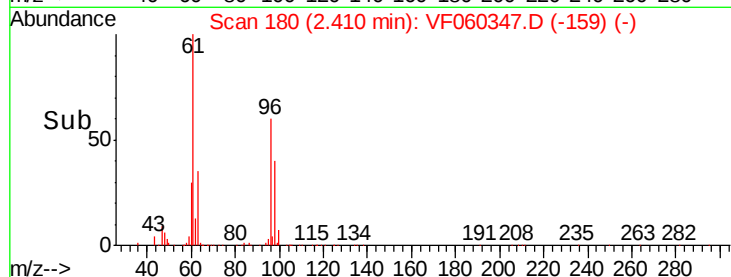
98 66.2 51.8 77.6



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: 48.383 ug/l

RT: 2.91 min Scan# 231

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Tgt Ion: 45 Resp: 540157

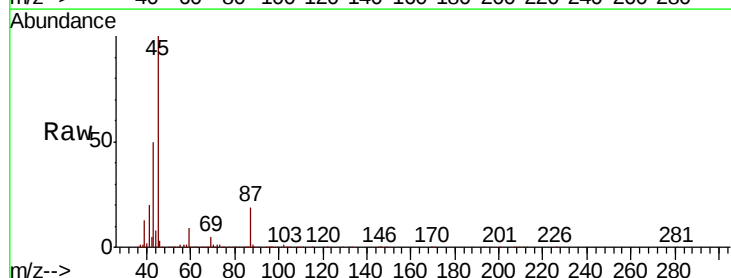
Ion Ratio Lower Upper

45 100

43 50.1 38.2 57.2

87 19.2 15.5 23.3

59 9.2 7.7 11.5

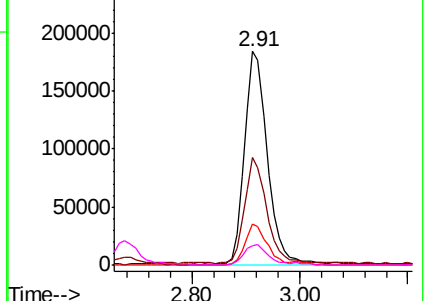
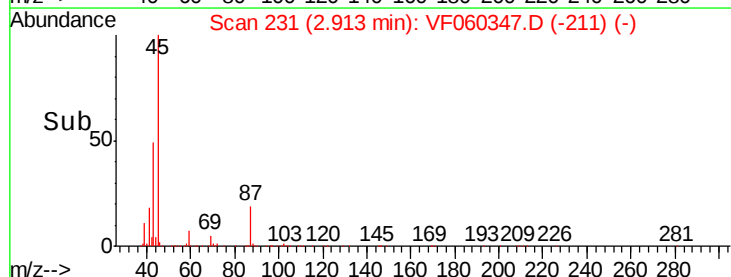


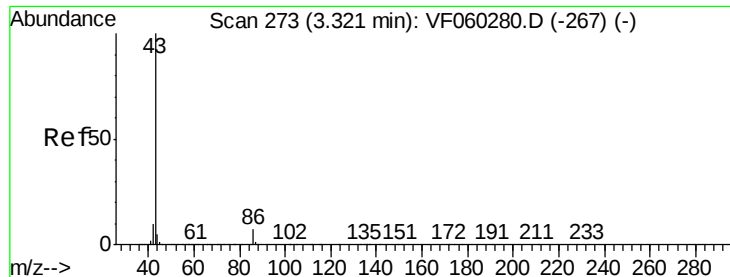
Abundance Ion 45.00 (44.70 to 45.70): VF0

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

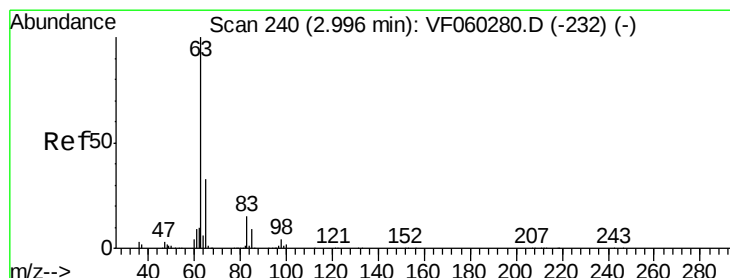
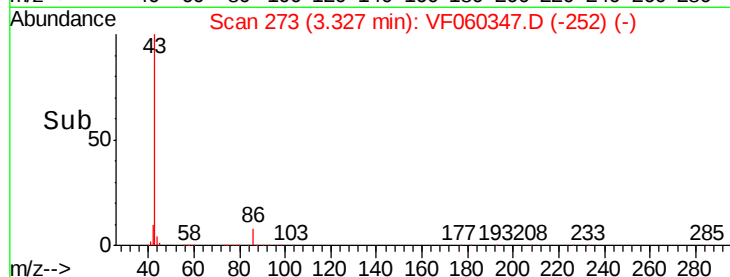
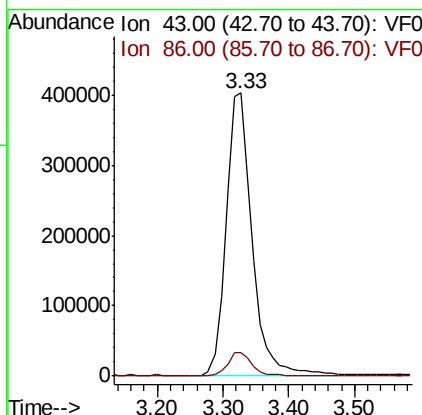
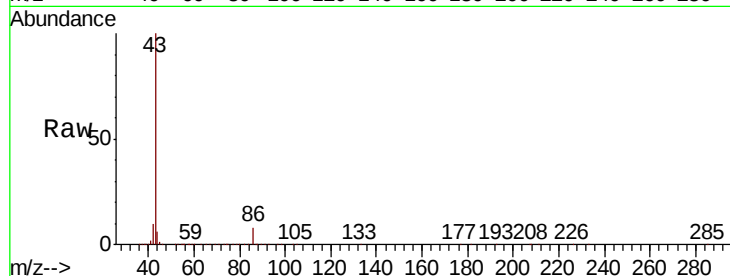




#23
 Vinyl Acetate
 Concen: 252.522 ug/l
 RT: 3.33 min Scan# 273
 Delta R.T. 0.01 min
 Lab File: VF060347.D
 Acq: 26 Sep 2018 12:21

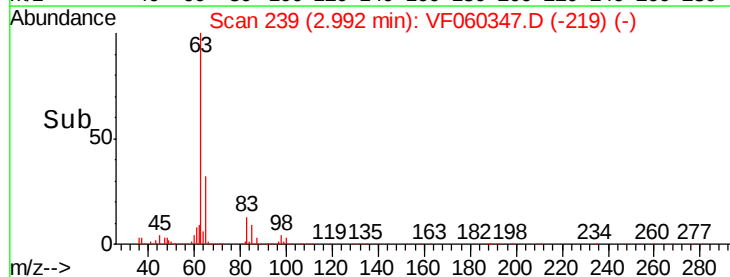
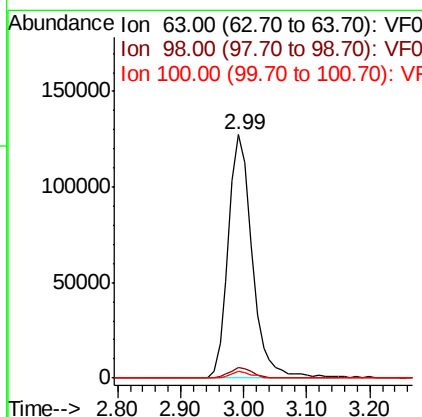
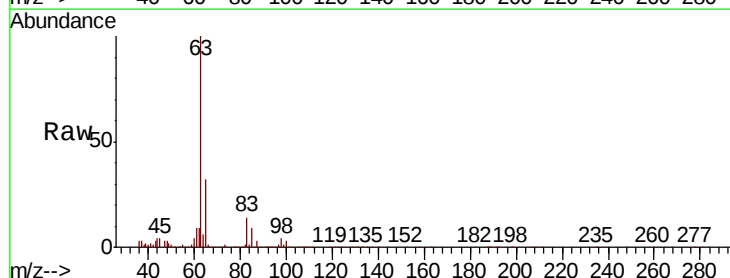
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

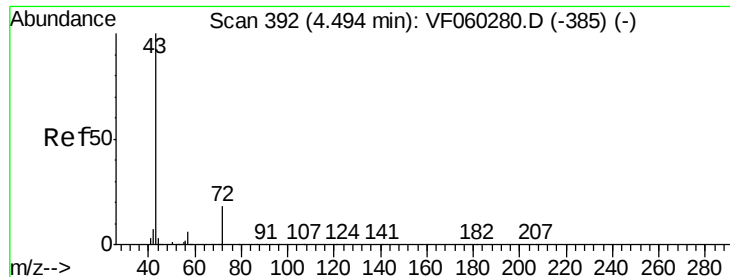
Tot Ion: 43 Resp: 1107235
 Ion Ratio Lower Upper
 43 100
 86 8.3 5.9 8.9



#24
 1,1-Dichloroethane
 Concen: 46.312 ug/l
 RT: 2.99 min Scan# 239
 Delta R.T. -0.00 min
 Lab File: VF060347.D
 Acq: 26 Sep 2018 12:21

Tgt Ion: 63 Resp: 335316
 Ion Ratio Lower Upper
 63 100
 98 4.4 2.1 6.5
 100 2.8 1.1 3.3





#25

2-Butanone

Concen: 282.610 ug/l

RT: 4.49 min Scan# 391

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

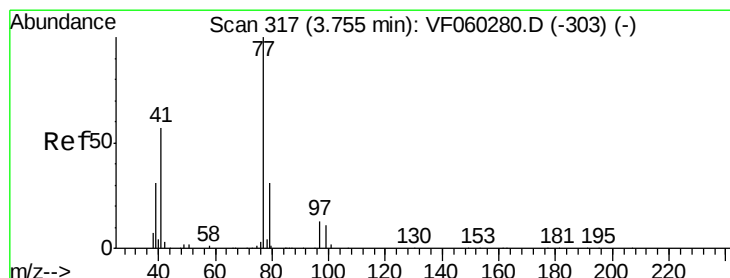
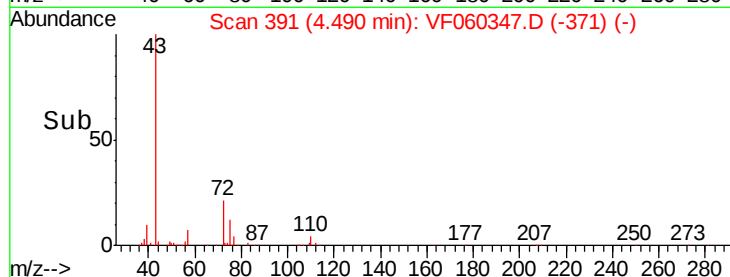
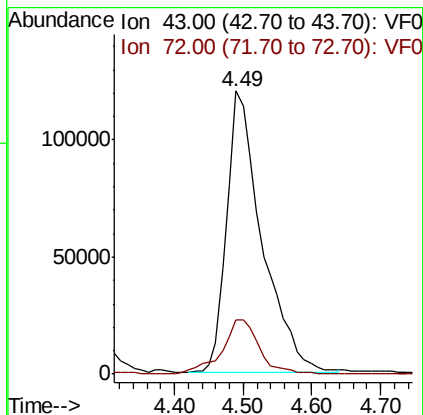
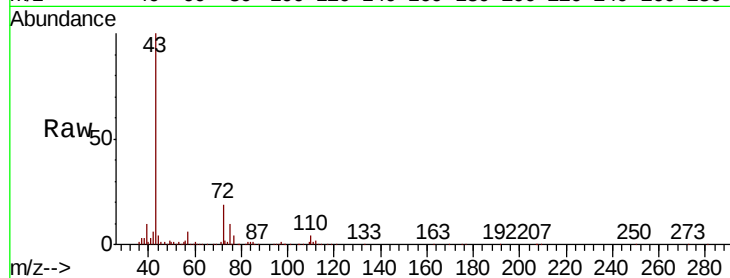
VSTDCCC050

Tot Ion: 43 Resp: 429813

Ion Ratio Lower Upper

43 100

72 19.3 16.2 24.2



#26

2,2-Dichloropropane

Concen: 45.850 ug/l

RT: 3.75 min Scan# 316

Delta R.T. -0.00 min

Lab File: VF060347.D

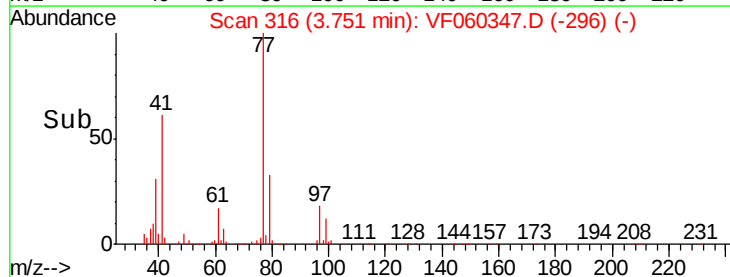
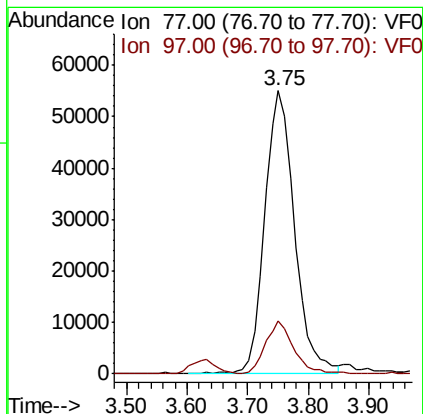
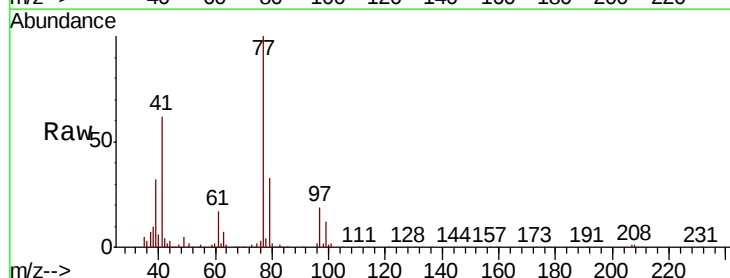
Acq: 26 Sep 2018 12:21

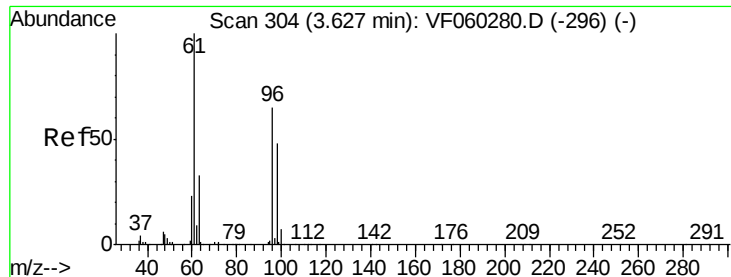
Tgt Ion: 77 Resp: 189414

Ion Ratio Lower Upper

77 100

97 18.6 9.3 27.9



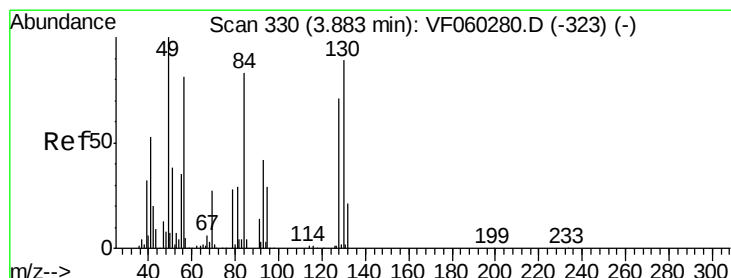
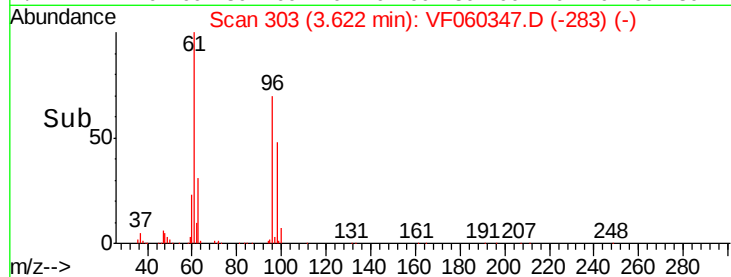
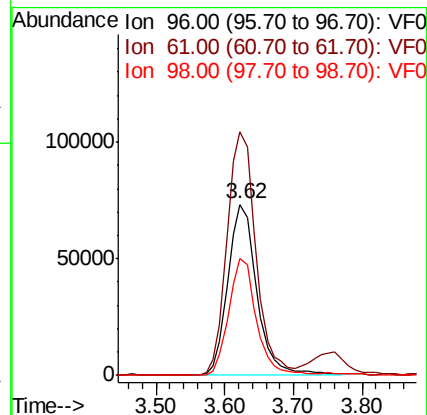
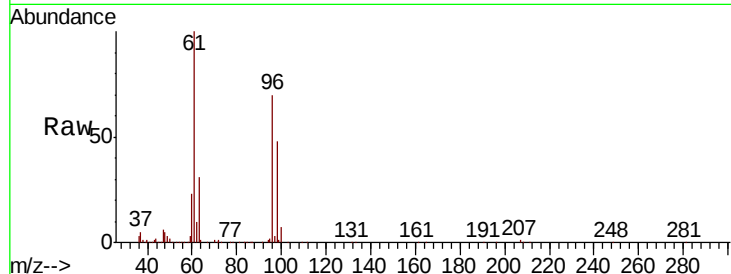


#27

cis-1,2-Dichloroethene
Concen: 46.435 ug/l
RT: 3.62 min Scan# 303
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

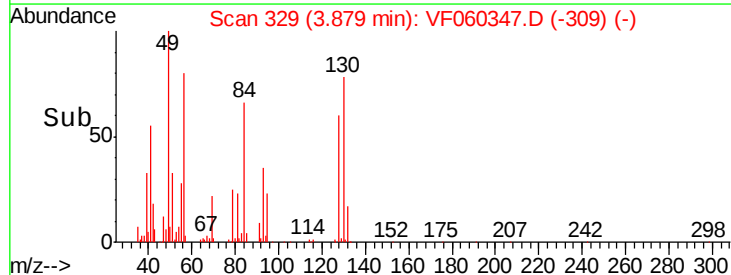
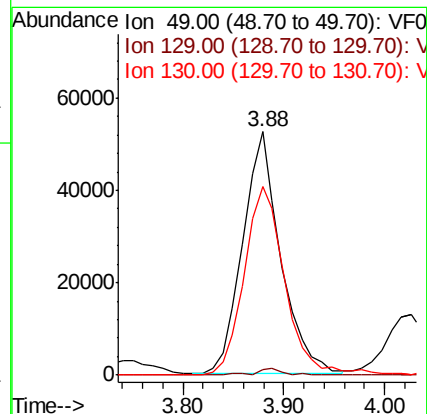
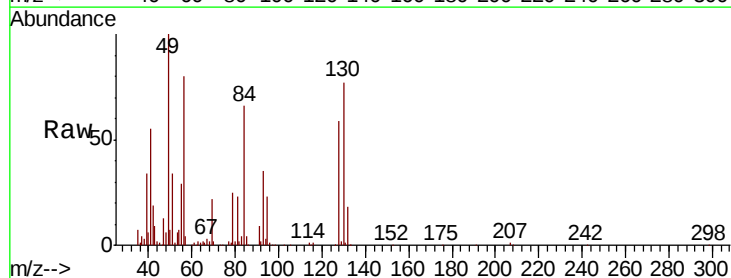
Tot Ion	Ratio	Lower	Upper
96	100		
61	142.4	0.0	304.8
98	68.2	0.0	146.4

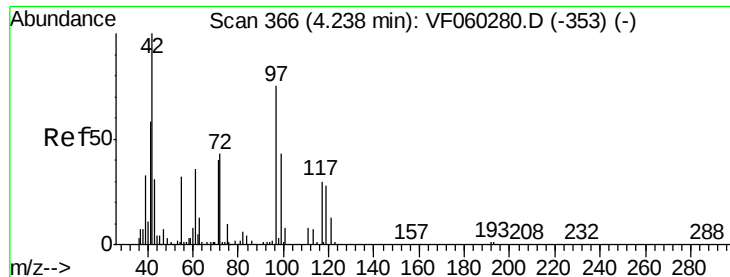


#28

Bromochloromethane
Concen: 48.568 ug/l
RT: 3.88 min Scan# 329
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	77.4	70.3	105.5

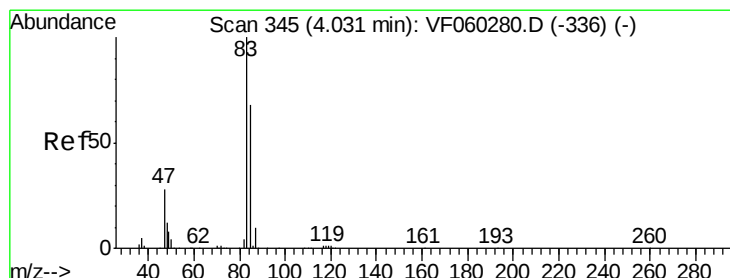
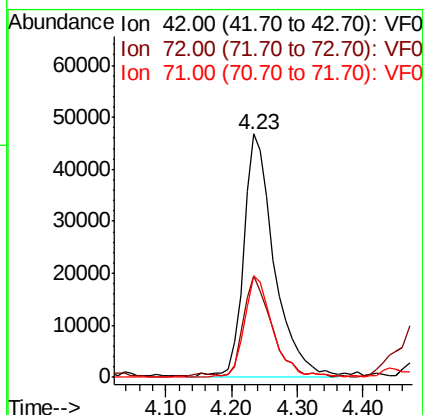
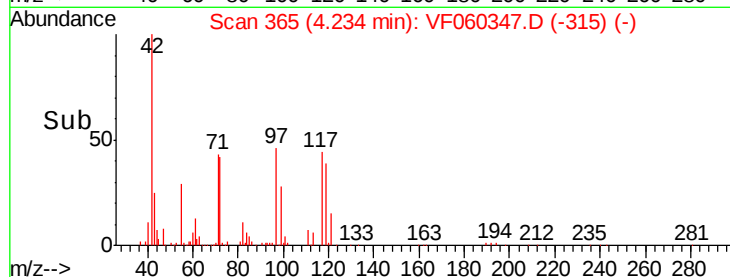
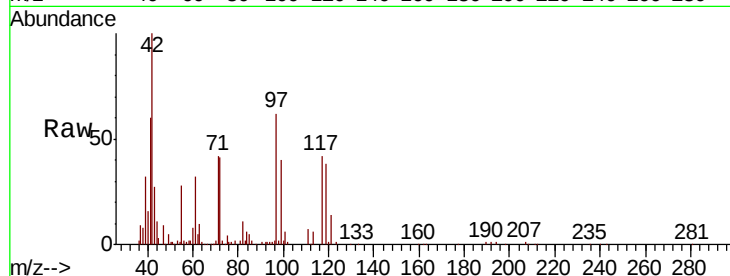




#29
Tetrahydrofuran
Concen: 270.249 ug/l
RT: 4.23 min Scan# 365
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

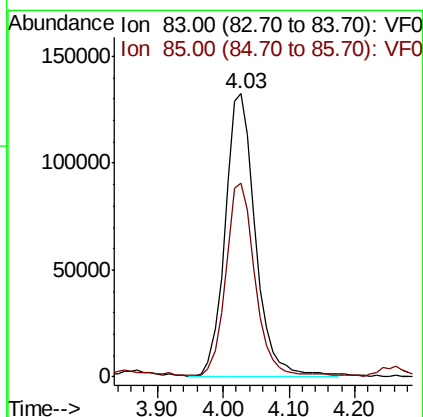
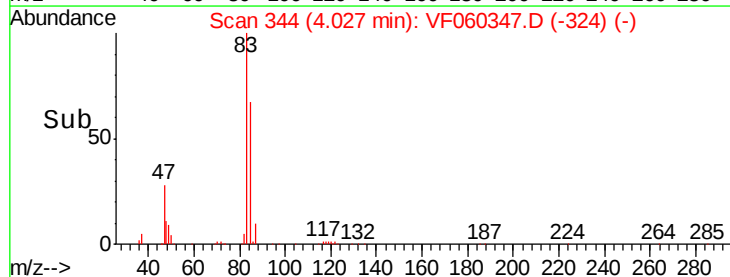
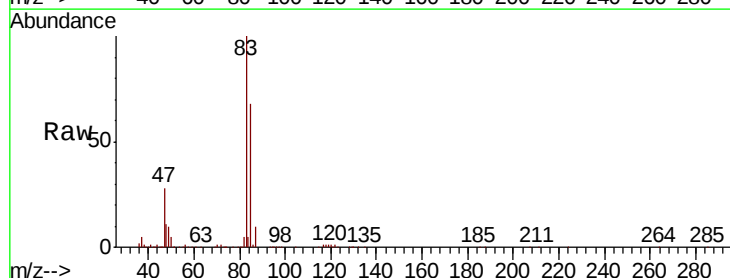
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

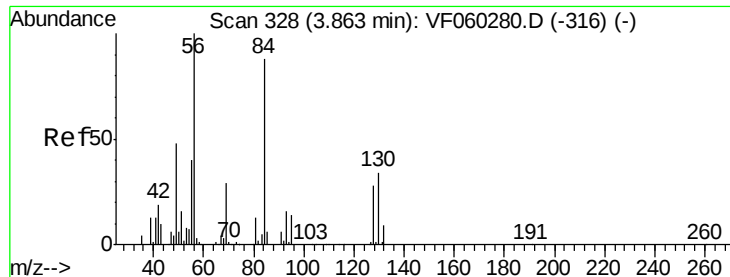
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.0	32.6	49.0
71	39.3	32.7	49.1



#30
Chloroform
Concen: 48.184 ug/l
RT: 4.03 min Scan# 344
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.4	54.9	82.3

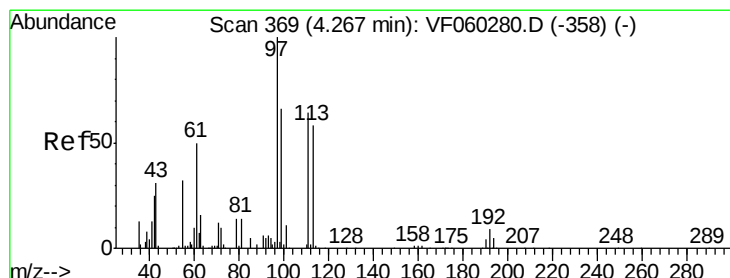
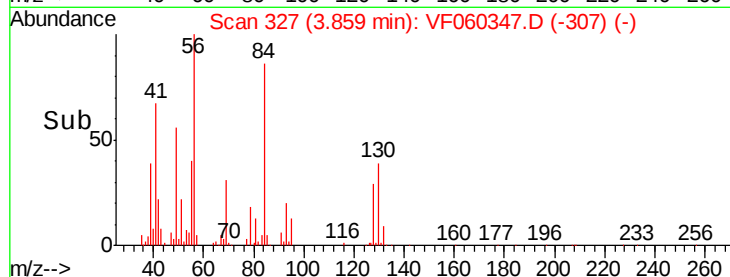
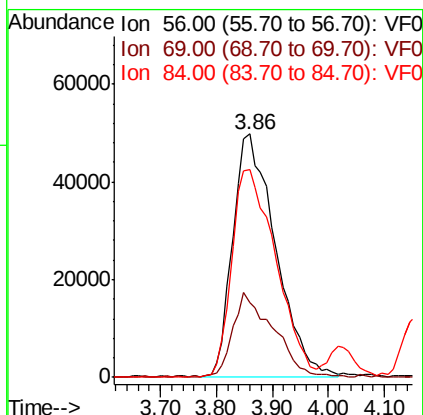
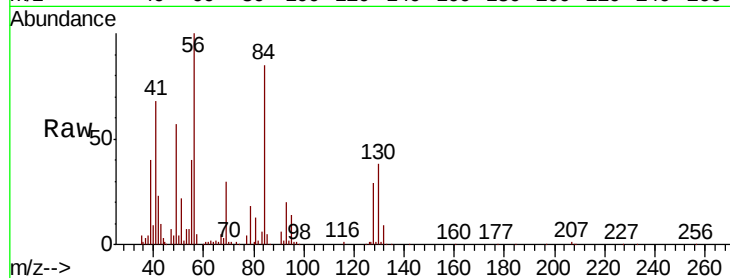




#31
Cyclohexane
Concen: 42.760 ug/l
RT: 3.86 min Scan# 327
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

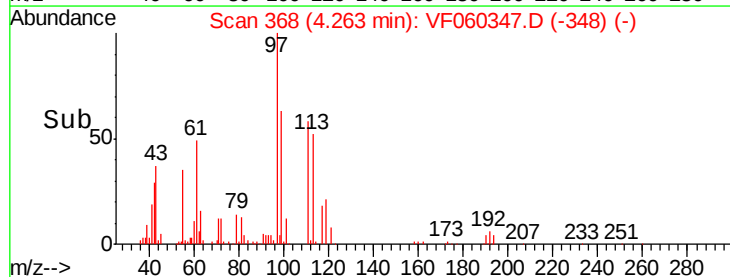
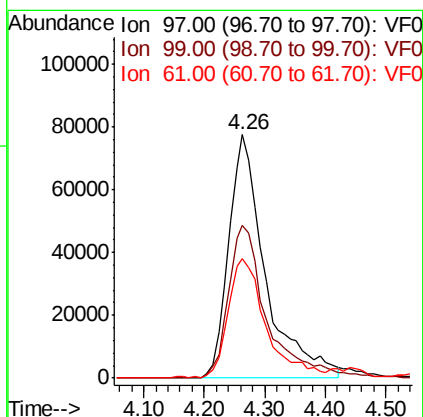
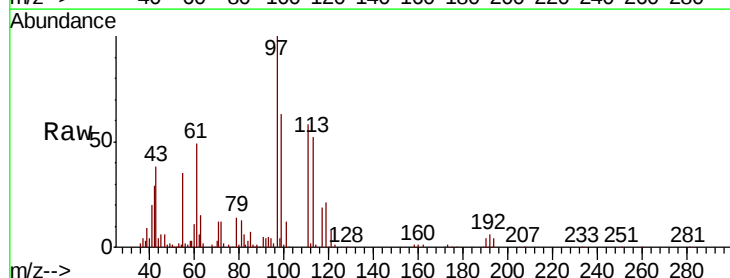
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

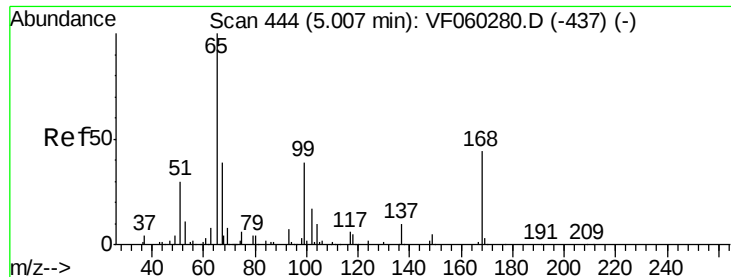
Tot Ion: 56 Resp: 261508
Ion Ratio Lower Upper
56 100
69 30.5 23.8 35.6
84 85.2 70.2 105.4



#32
1,1,1-Trichloroethane
Concen: 47.522 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion: 97 Resp: 327587
Ion Ratio Lower Upper
97 100
99 62.9 53.0 79.4
61 49.0 40.6 61.0

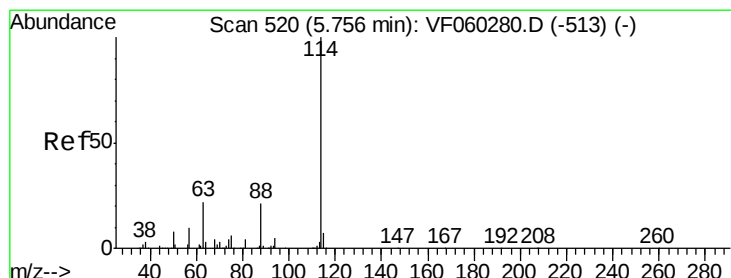
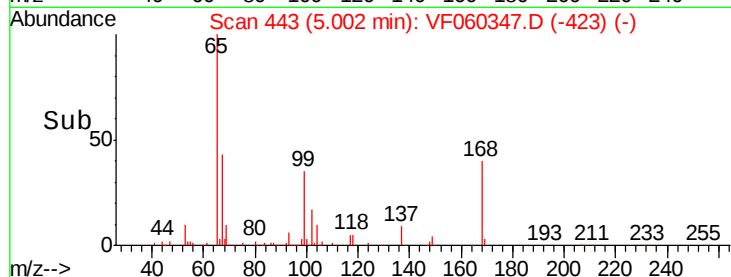
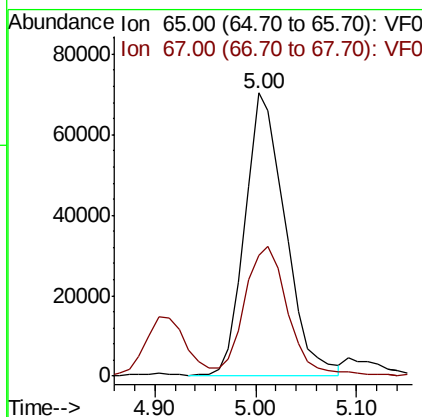
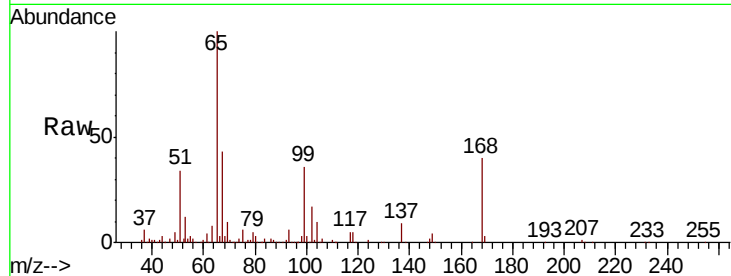




#33
 1,2-Dichloroethane-d4
 Concen: 48.493 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. -0.00 min
 Lab File: VF060347.D
 Acq: 26 Sep 2018 12:21

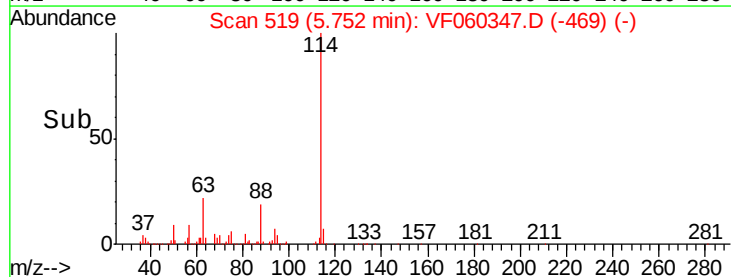
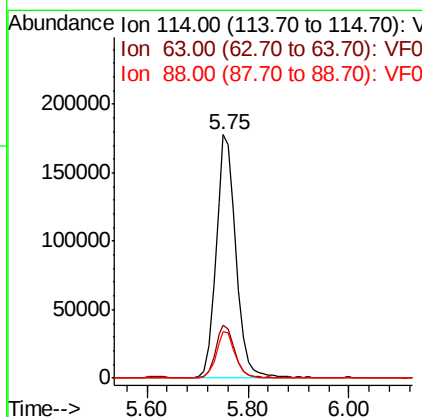
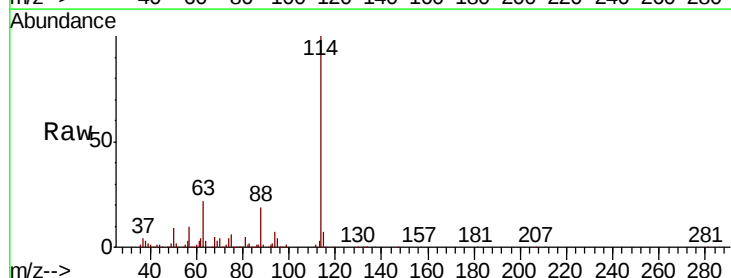
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

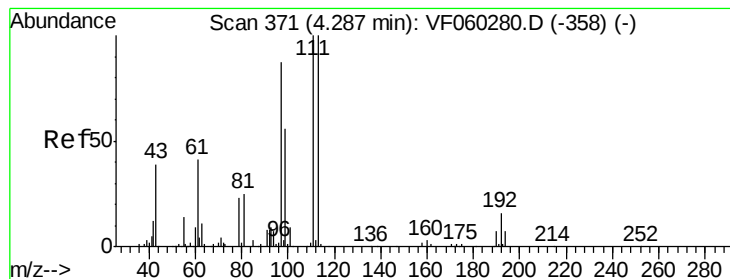
Tot Ion: 65 Resp: 194562
 Ion Ratio Lower Upper
 65 100
 67 42.9 0.0 94.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. -0.00 min
 Lab File: VF060347.D
 Acq: 26 Sep 2018 12:21

Tgt Ion: 114 Resp: 489713
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.8
 88 19.0 0.0 41.2





#35

Dibromofluoromethane

Concen: 47.553 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

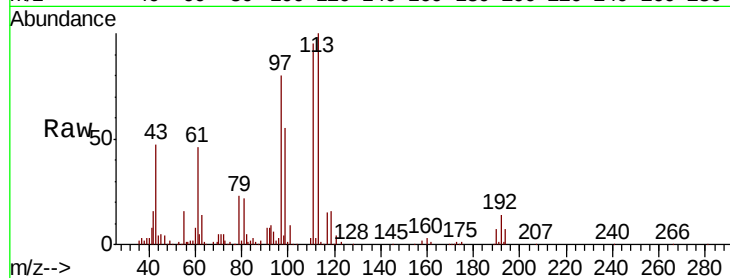
Tot Ion:113 Resp: 207591

Ion Ratio Lower Upper

113 100

111 95.4 79.6 119.4

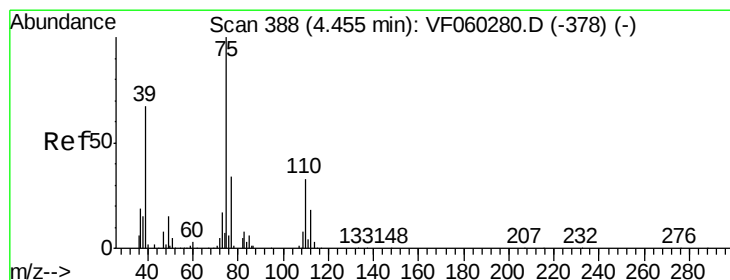
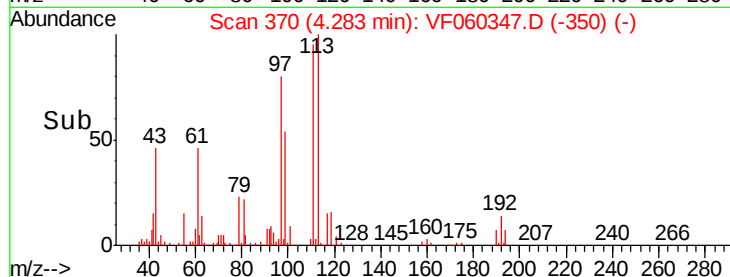
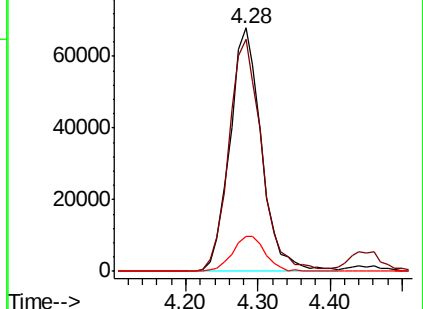
192 14.2 13.0 19.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 49.281 ug/l

RT: 4.45 min Scan# 387

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

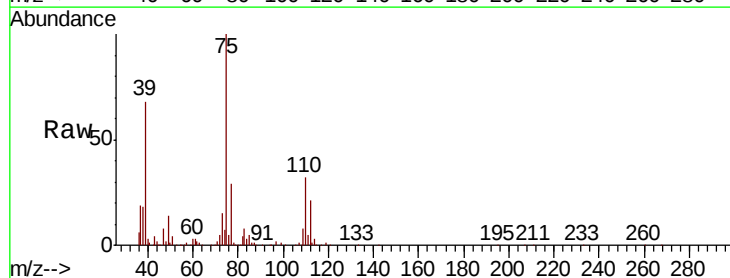
Tgt Ion: 75 Resp: 301029

Ion Ratio Lower Upper

75 100

110 31.5 16.4 49.2

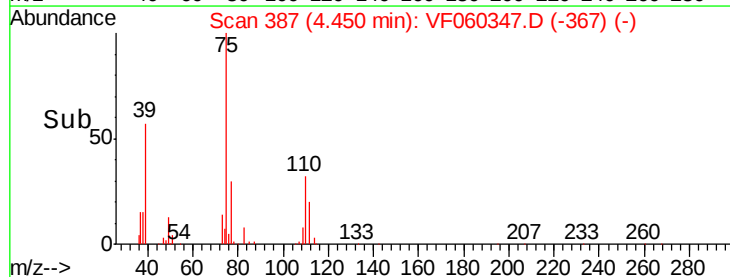
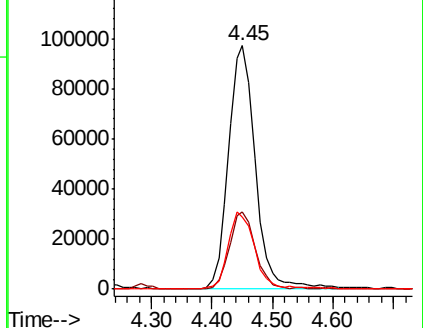
77 29.4 27.3 40.9

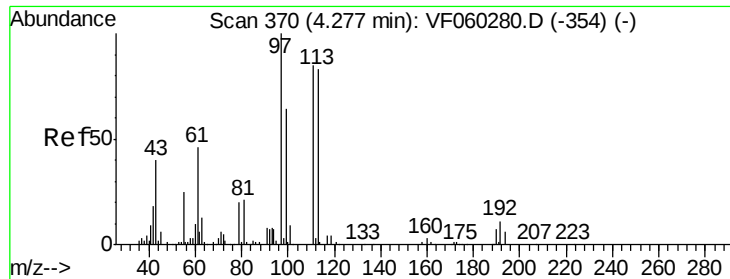


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

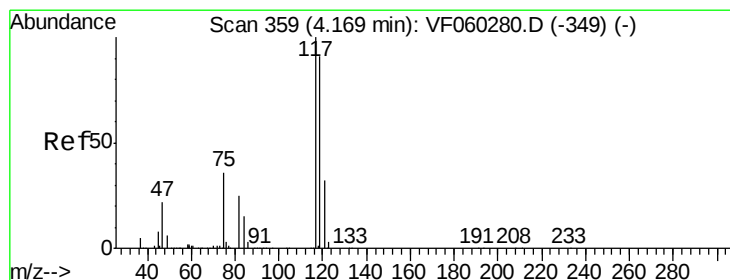
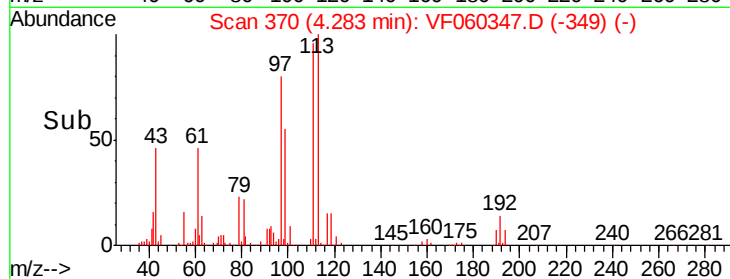
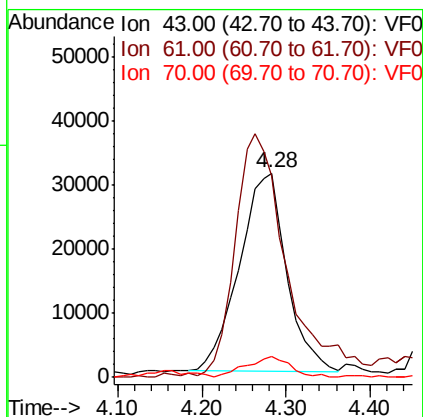
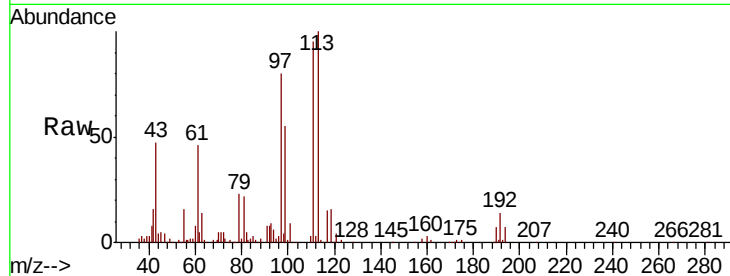




#37
Ethyl Acetate
Concen: 47.345 ug/l
RT: 4.28 min Scan# 370
Delta R.T. 0.01 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

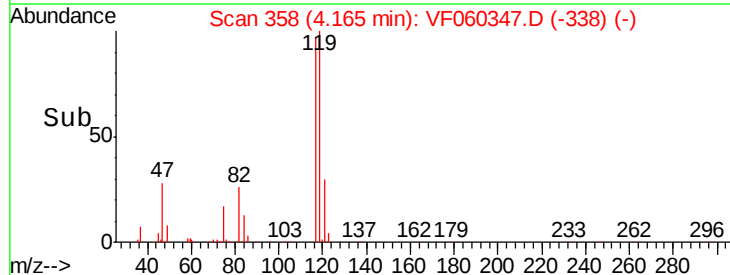
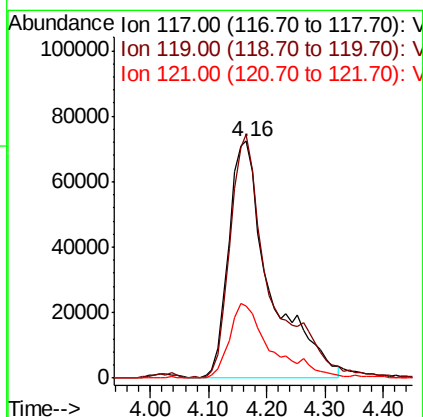
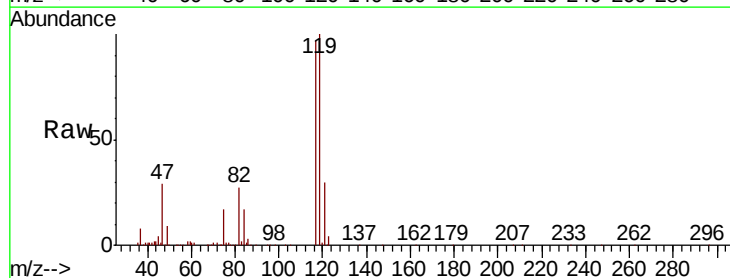
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

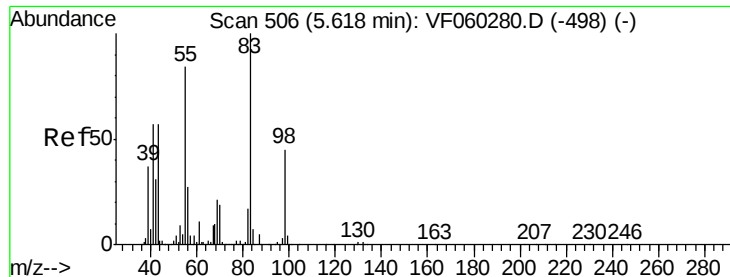
Tot Ion: 43 Resp: 122372
Ion Ratio Lower Upper
43 100
61 98.4 91.1 136.7
70 10.5 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 54.087 ug/l
RT: 4.16 min Scan# 358
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion: 117 Resp: 354872
Ion Ratio Lower Upper
117 100
119 102.9 73.0 109.6
121 30.6 25.4 38.2

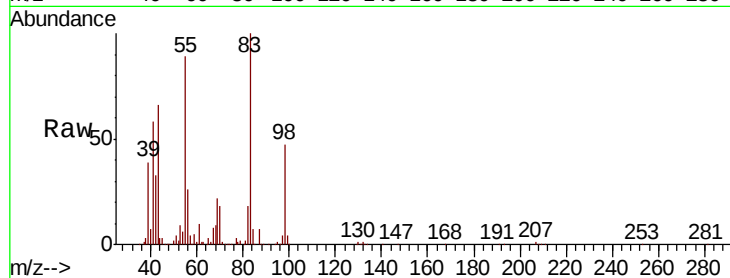




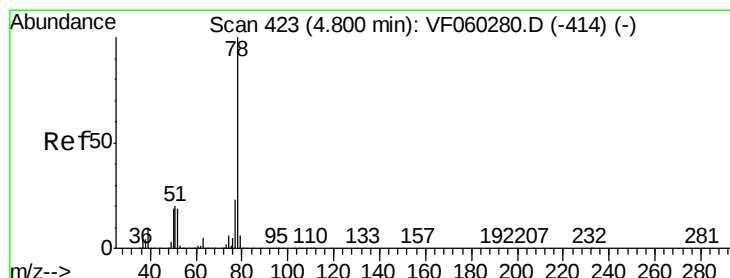
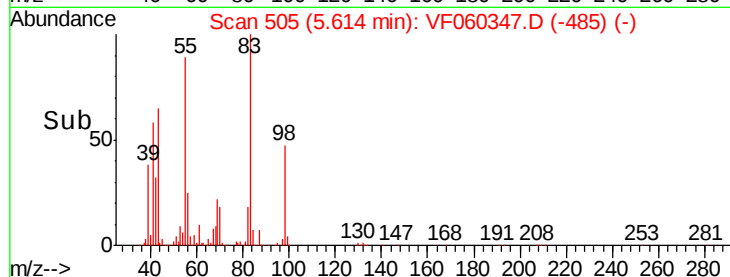
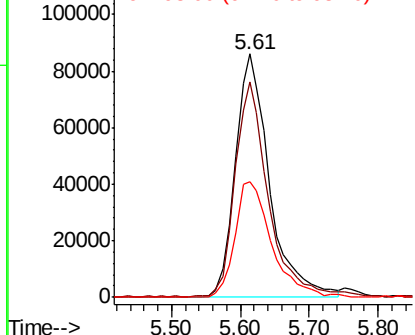
#39
Methvlcvclohexane
Concen: 44.711 ug/l
RT: 5.61 min Scan# 505
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 296006
Ion Ratio Lower Upper
83 100
55 88.7 67.3 100.9
98 47.4 36.1 54.1

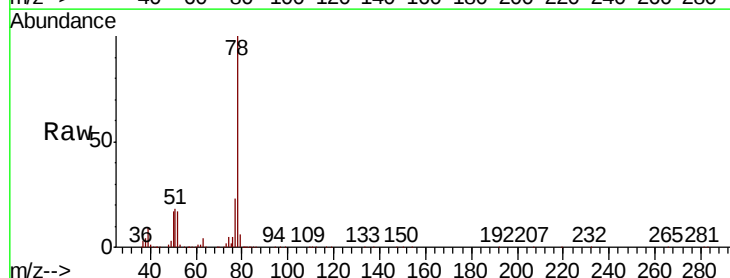


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

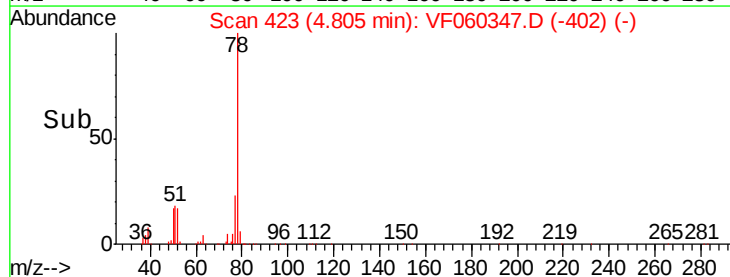
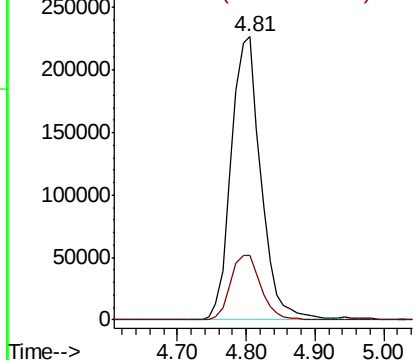


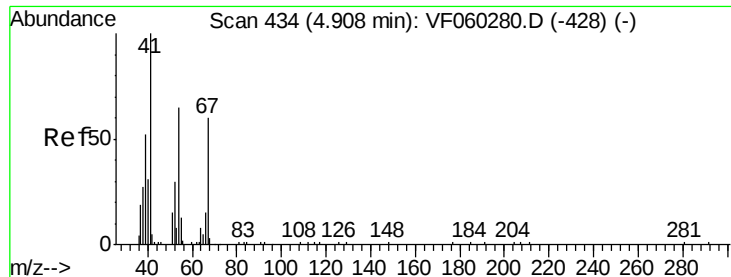
#40
Benzene
Concen: 49.111 ug/l
RT: 4.81 min Scan# 423
Delta R.T. 0.01 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion: 78 Resp: 680234
Ion Ratio Lower Upper
78 100
77 22.8 18.4 27.6



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 53.556 ug/l

RT: 4.91 min Scan# 434

Delta R.T. 0.01 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 75112

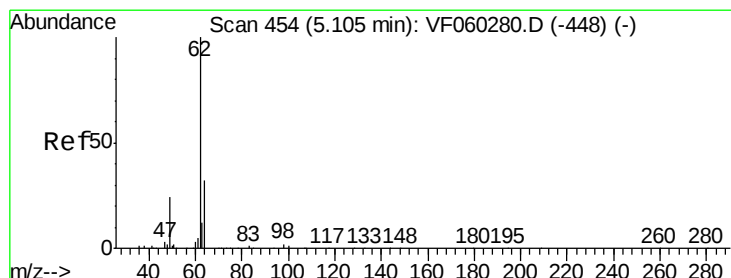
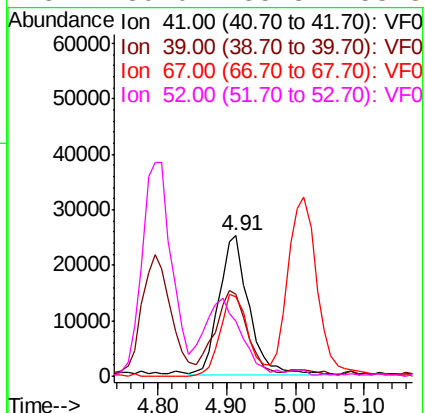
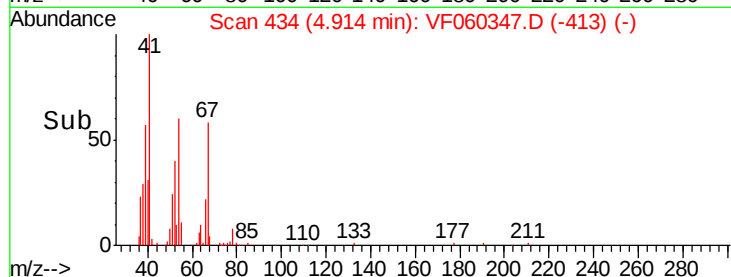
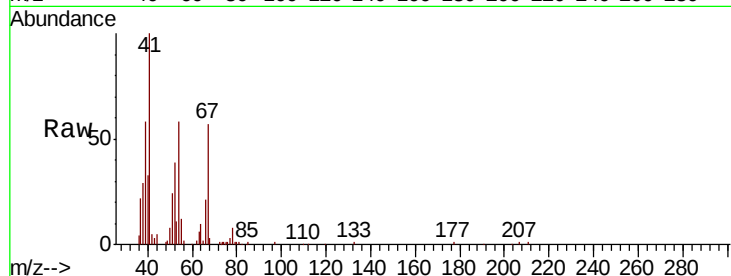
Ion Ratio Lower Upper

41 100

39 58.3 49.1 73.7

67 56.6 48.2 72.4

52 39.0 35.8 53.8



#42

1,2-Dichloroethane

Concen: 53.989 ug/l

RT: 5.10 min Scan# 453

Delta R.T. -0.00 min

Lab File: VF060347.D

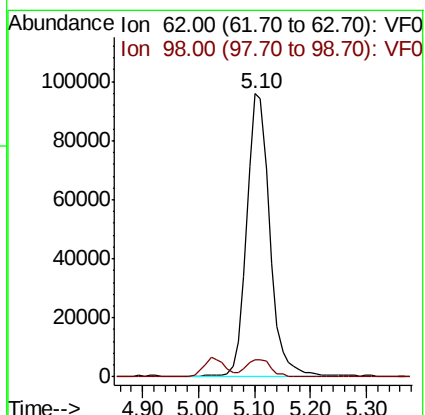
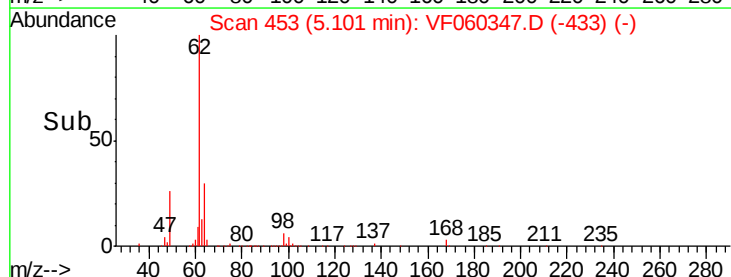
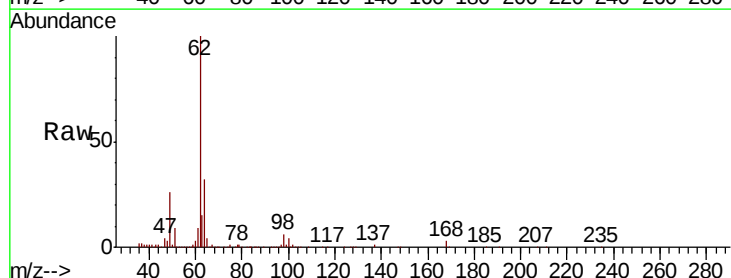
Acq: 26 Sep 2018 12:21

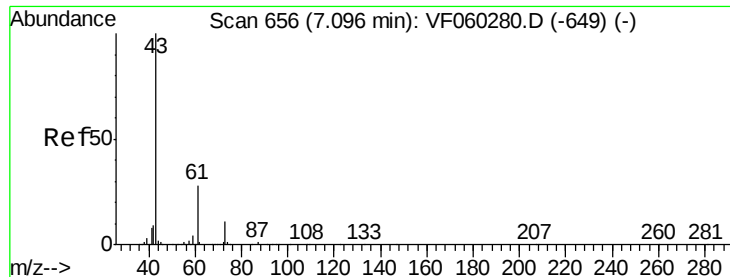
Tgt Ion: 62 Resp: 275245

Ion Ratio Lower Upper

62 100

98 6.2 0.0 14.4





#43

Isopropyl Acetate

Concen: 56.056 ug/l

RT: 7.10 min Scan# 656

Delta R.T. 0.01 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

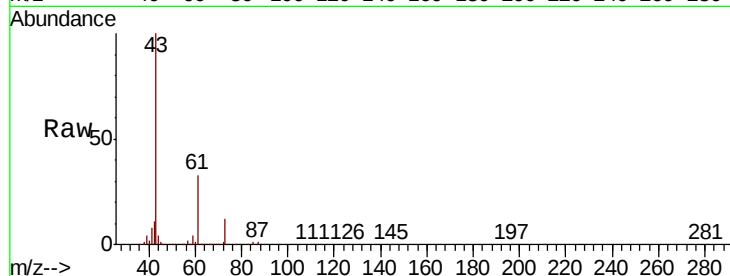
Tot Ion: 43 Resp: 174423

Ion Ratio Lower Upper

43 100

61 33.1 22.4 33.6

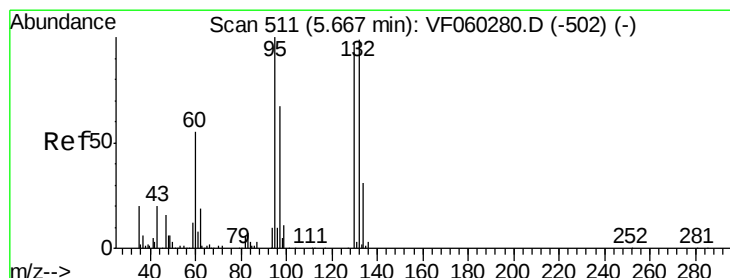
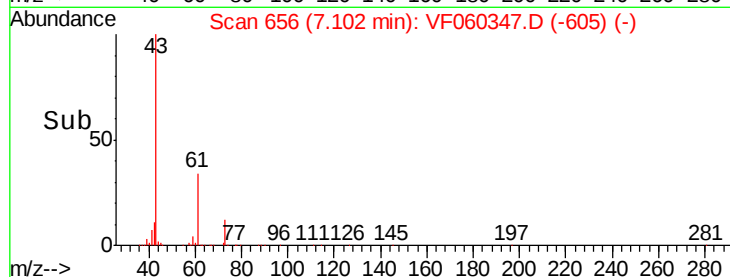
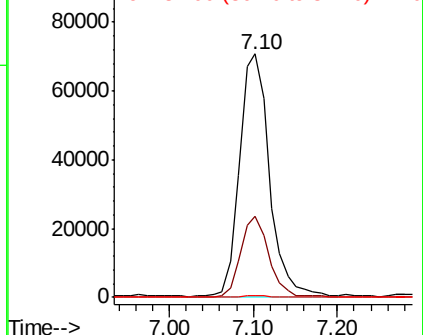
87 0.5 0.6 0.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 47.426 ug/l

RT: 5.66 min Scan# 510

Delta R.T. -0.00 min

Lab File: VF060347.D

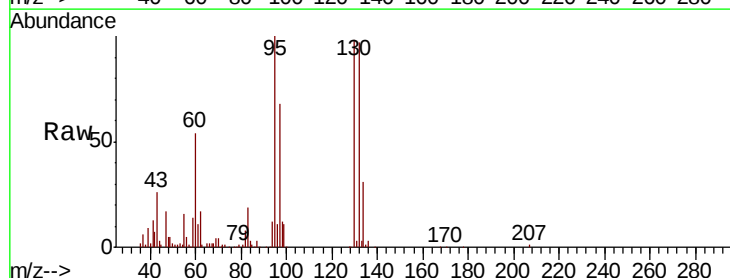
Acq: 26 Sep 2018 12:21

Tgt Ion: 130 Resp: 195498

Ion Ratio Lower Upper

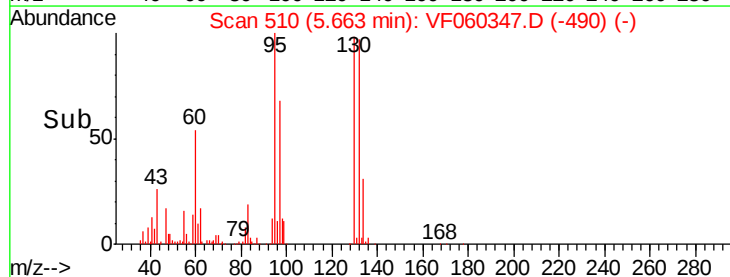
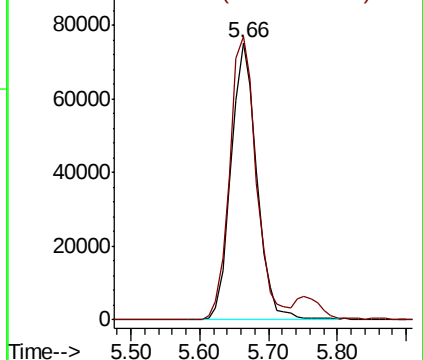
130 100

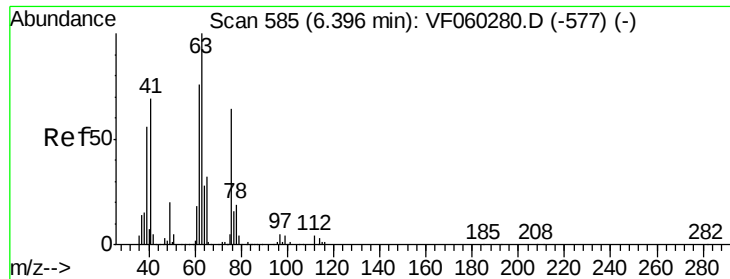
95 102.1 0.0 205.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 49.403 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

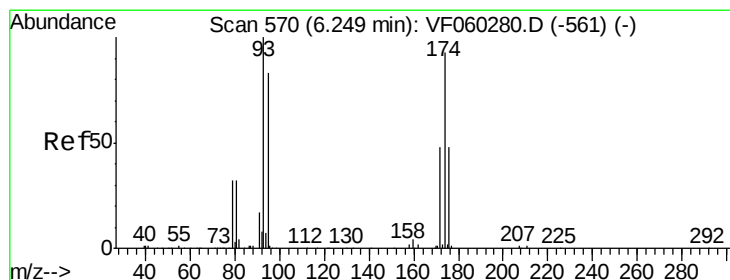
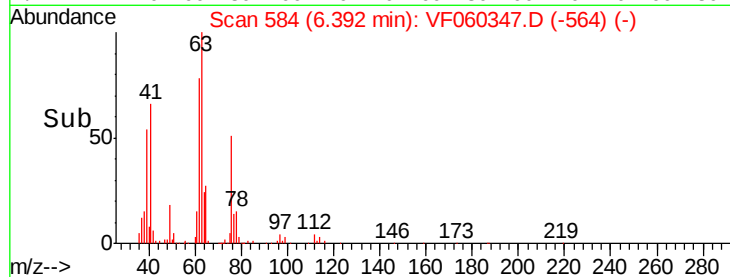
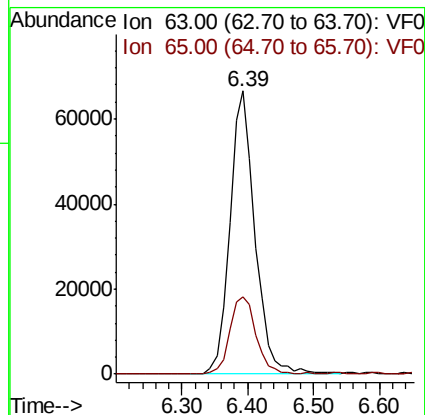
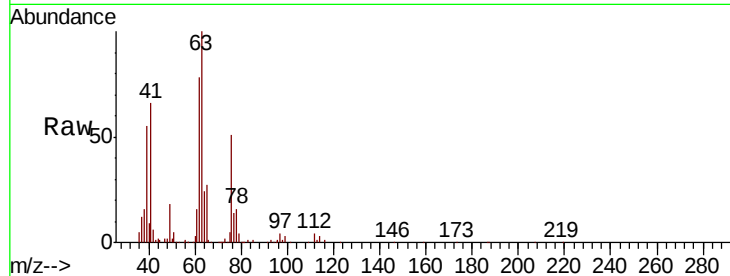
VSTDCCC050

Tot Ion: 63 Resp: 177094

Ion Ratio Lower Upper

63 100

65 27.2 26.2 39.4



#46

Dibromomethane

Concen: 48.658 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

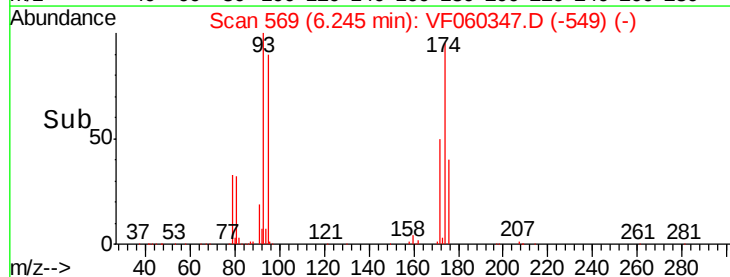
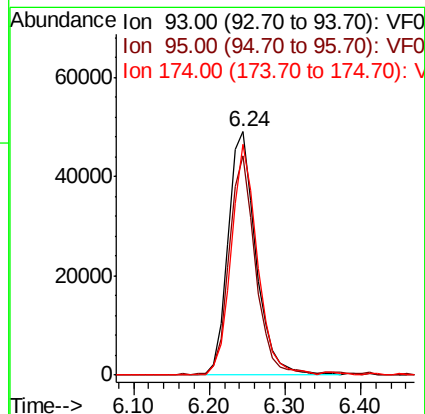
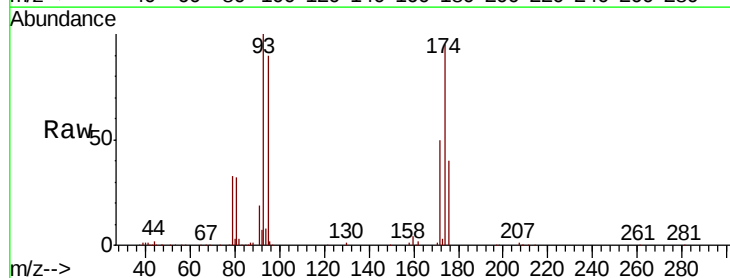
Tgt Ion: 93 Resp: 124678

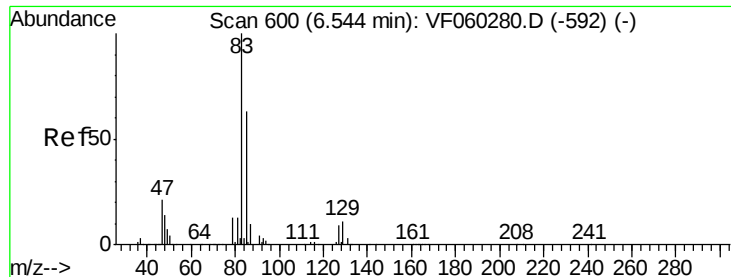
Ion Ratio Lower Upper

93 100

95 89.8 67.0 100.6

174 94.6 74.8 112.2





#47

Bromodichloromethane

Concen: 48.442 ug/l

RT: 6.54 min Scan# 599

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

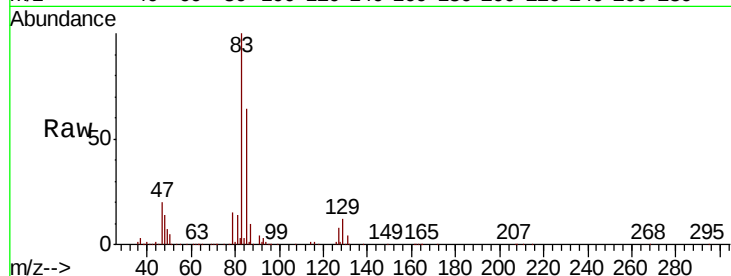
Tot Ion: 83 Resp: 298291

Ion Ratio Lower Upper

83 100

85 64.5 50.6 76.0

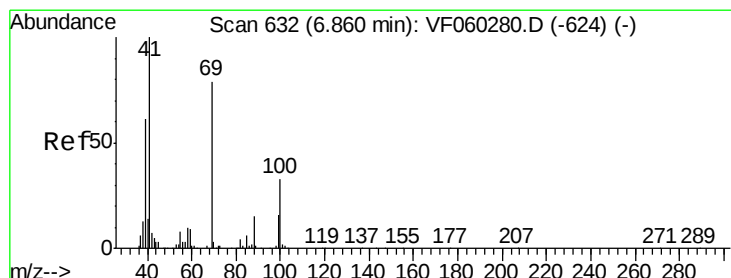
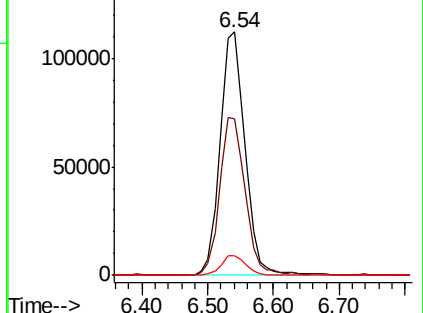
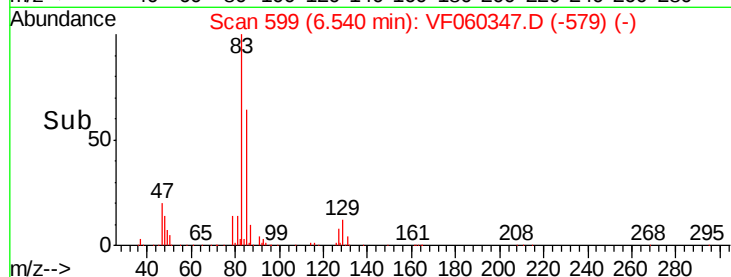
127 8.3 7.1 10.7



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: 50.775 ug/l

RT: 6.87 min Scan# 632

Delta R.T. 0.01 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

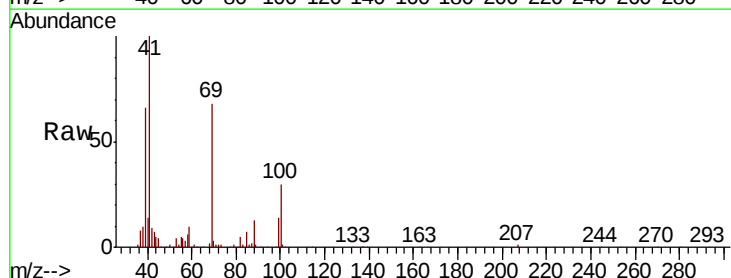
Tgt Ion: 41 Resp: 110906

Ion Ratio Lower Upper

41 100

69 68.3 62.6 94.0

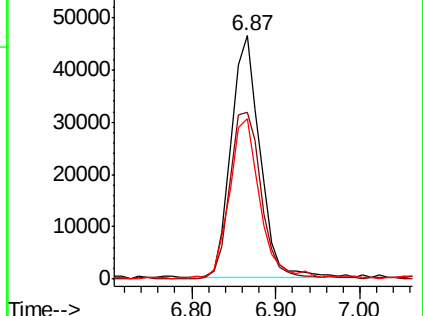
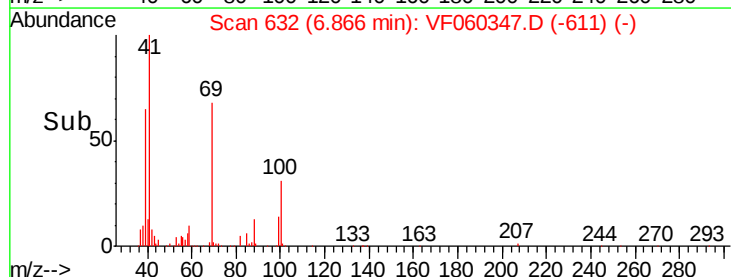
39 66.0 49.1 73.7

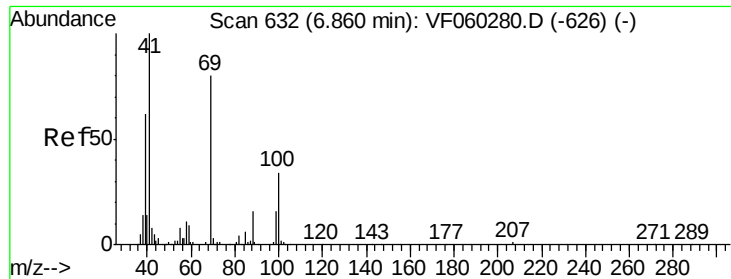


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

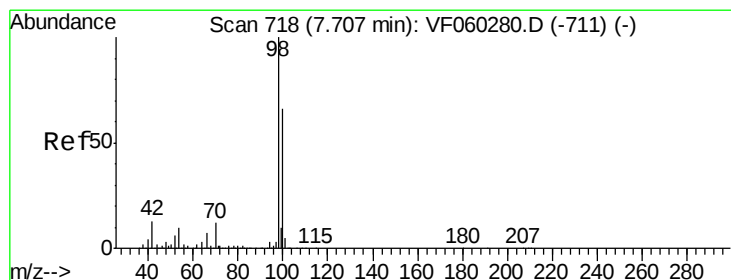
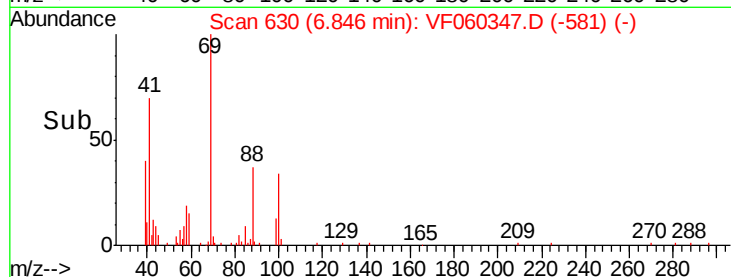
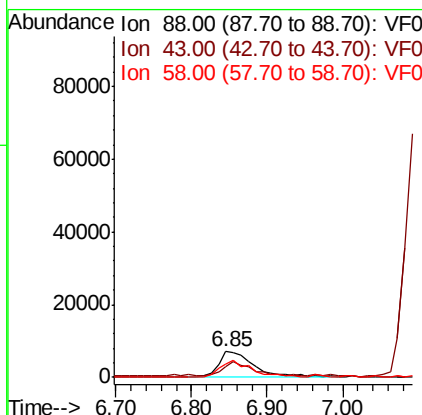
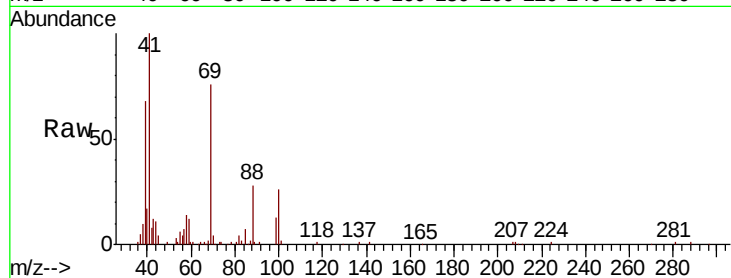




#49
1,4-Dioxane
Concen: 1176.185 ug/l
RT: 6.85 min Scan# 630
Delta R.T. -0.01 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

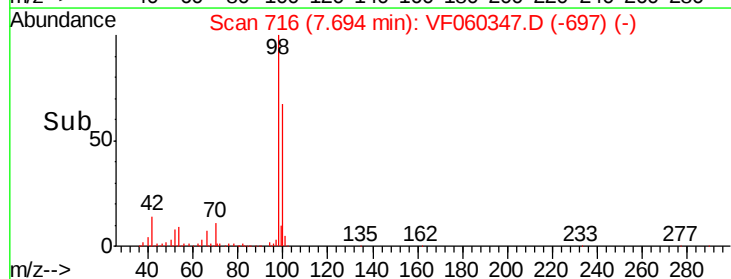
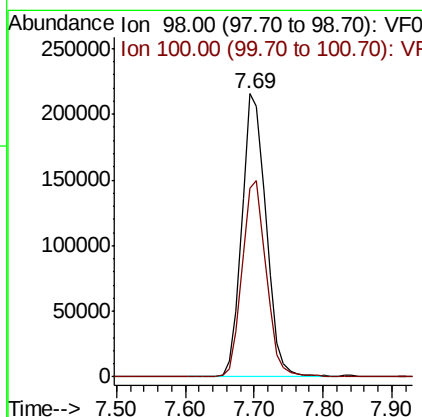
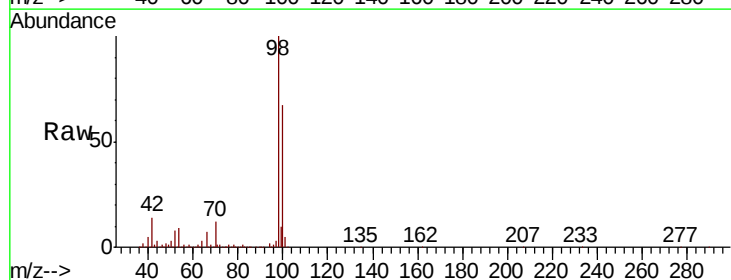
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

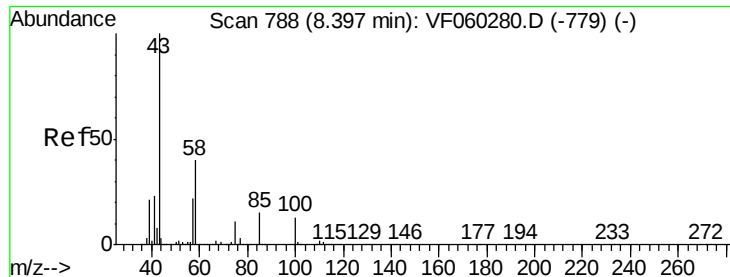
Tot Ion: 88 Resp: 22952
Ion Ratio Lower Upper
88 100
43 42.3 40.2 60.4
58 50.6 56.7 85.1#



#50
Toluene-d8
Concen: 46.325 ug/l
RT: 7.69 min Scan# 716
Delta R.T. -0.01 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion: 98 Resp: 526647
Ion Ratio Lower Upper
98 100
100 66.7 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 324.502 ug/l

RT: 8.39 min Scan# 787

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

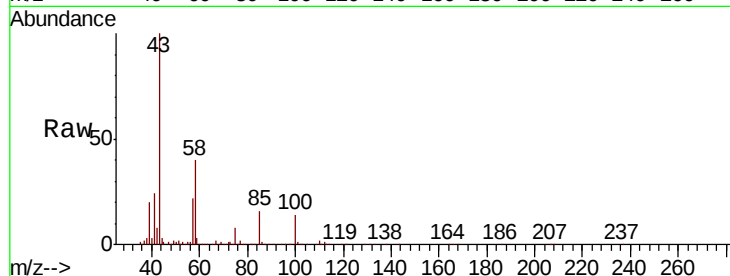
VSTDCCC050

Tot Ion: 43 Resp: 778229

Ion Ratio Lower Upper

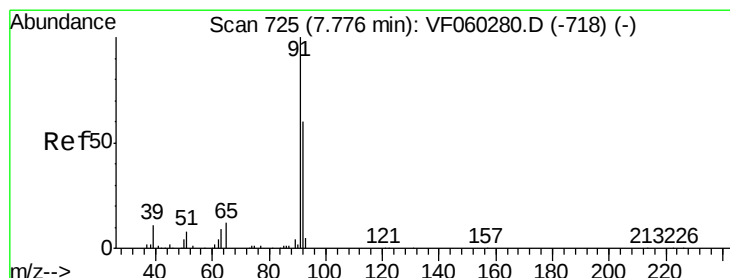
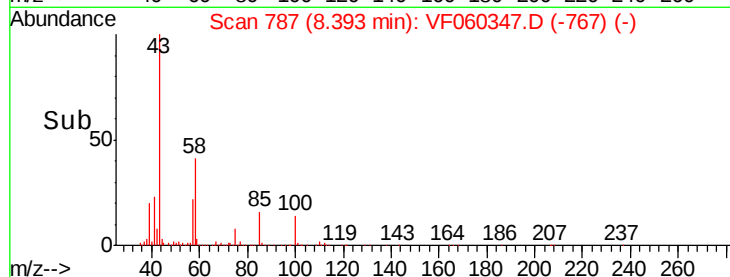
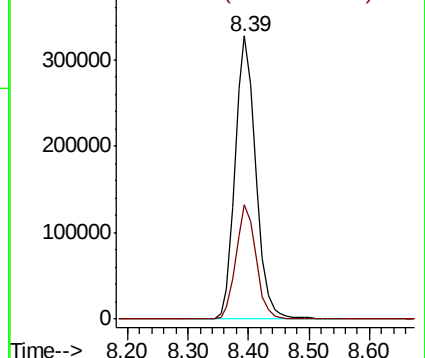
43 100

58 40.5 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 49.310 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.00 min

Lab File: VF060347.D

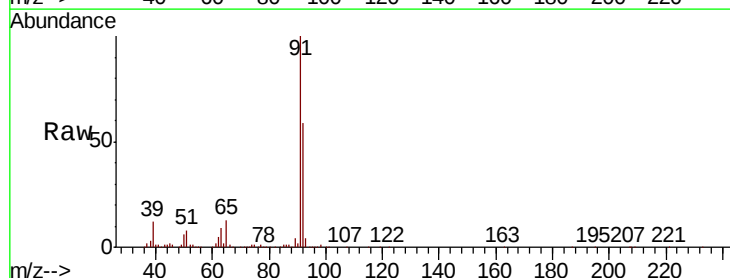
Acq: 26 Sep 2018 12:21

Tgt Ion: 92 Resp: 432080

Ion Ratio Lower Upper

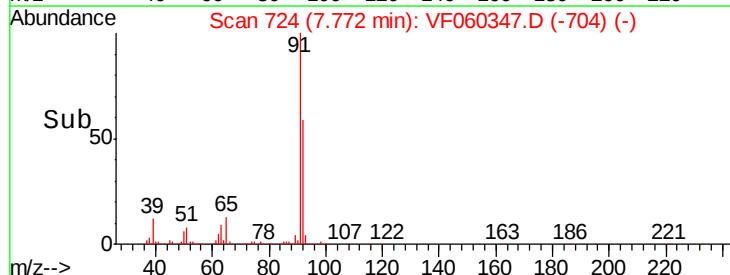
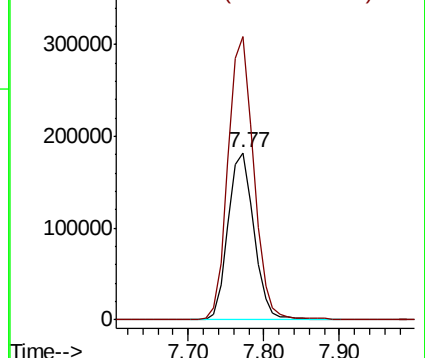
92 100

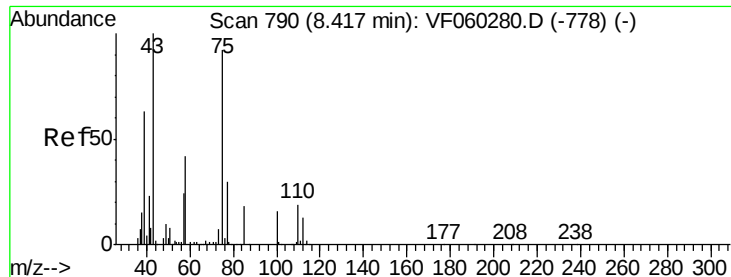
91 169.1 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 51.860 ug/l

RT: 8.41 min Scan# 789

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

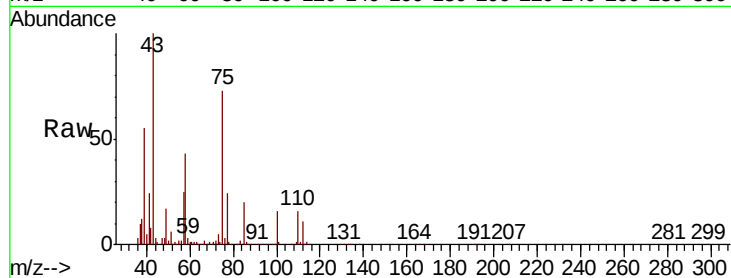
VSTDCCC050

Tot Ion: 75 Resp: 257585

Ion Ratio Lower Upper

75 100

77 32.4 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.41

120000

100000

80000

60000

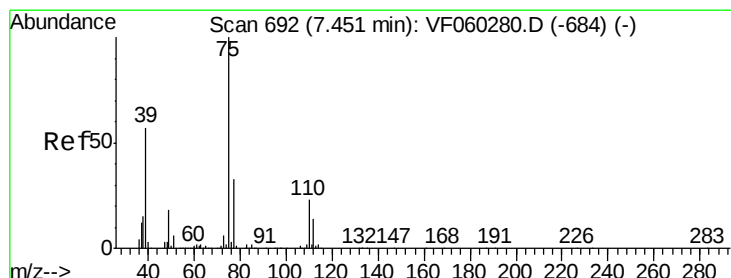
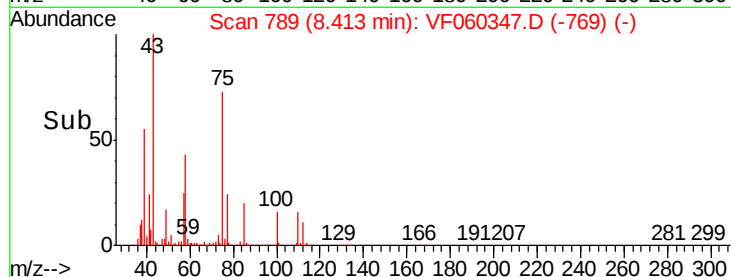
40000

20000

0

Time-->

8.30 8.40 8.50



#54

cis-1,3-Dichloropropene

Concen: 50.764 ug/l

RT: 7.45 min Scan# 691

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

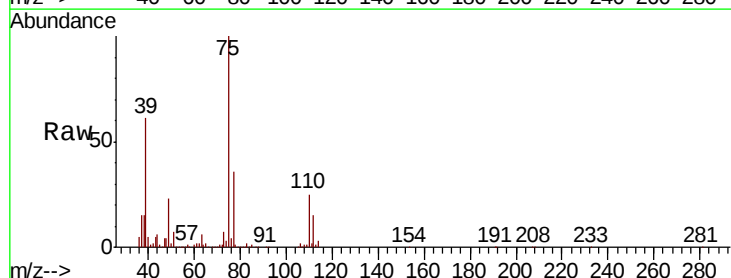
Tgt Ion: 75 Resp: 317642

Ion Ratio Lower Upper

75 100

77 35.8 26.3 39.5

39 61.0 46.1 69.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

150000

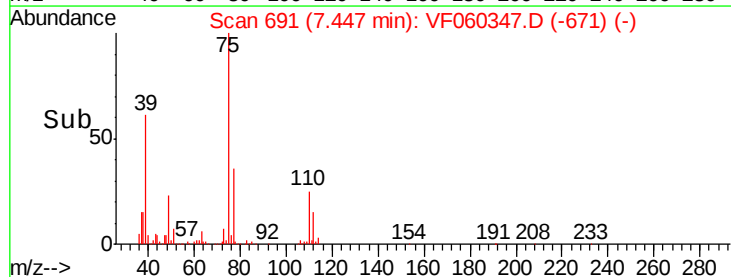
100000

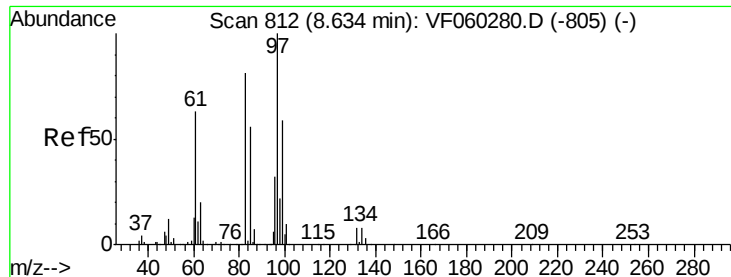
50000

0

Time-->

7.30 7.40 7.50 7.60





#55

1,1,2-Trichloroethane

Concen: 56.128 ug/l

RT: 8.63 min Scan# 811

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 149271

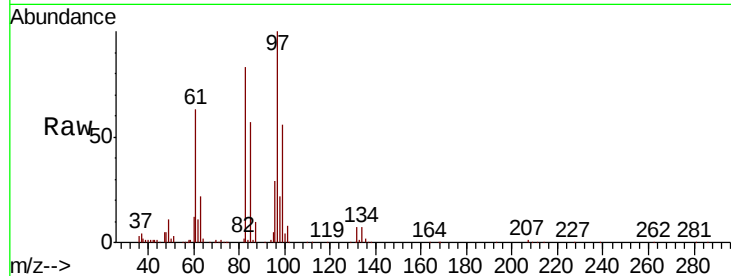
Ion Ratio Lower Upper

97 100

83 82.8 65.3 97.9

85 56.9 44.7 67.1

99 56.5 47.0 70.4

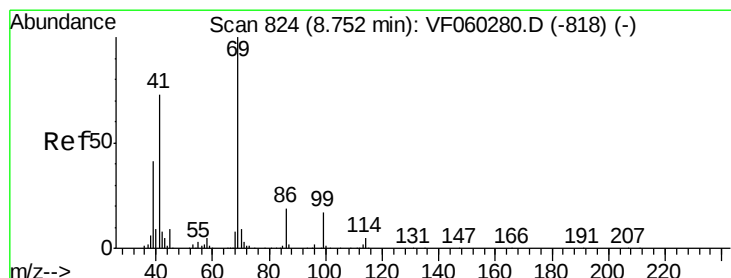
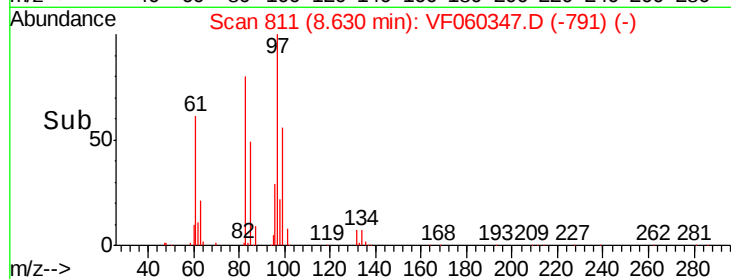
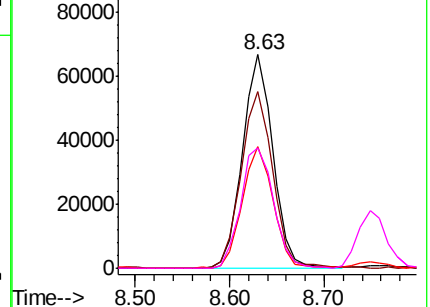


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 59.820 ug/l

RT: 8.75 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

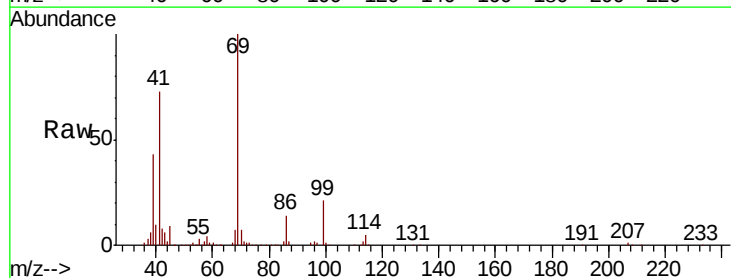
Tgt Ion: 69 Resp: 192139

Ion Ratio Lower Upper

69 100

41 72.8 59.4 89.2

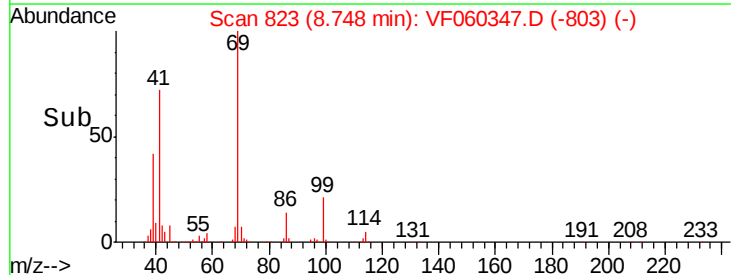
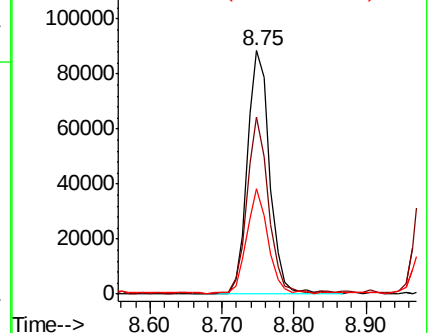
39 43.2 33.5 50.3

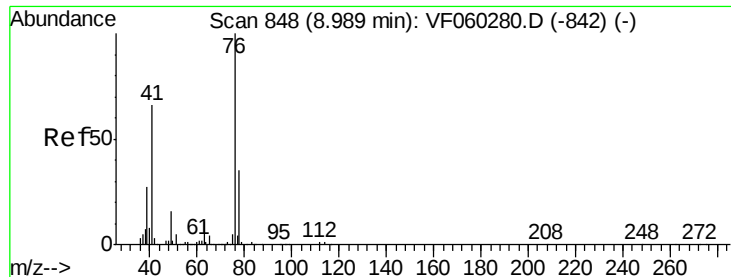


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 57.532 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.01 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

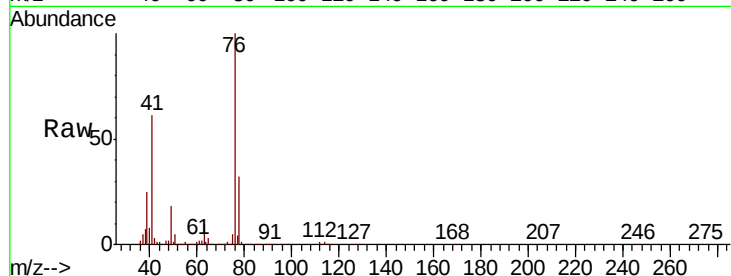
VSTDCCC050

Tot Ion: 76 Resp: 253344

Ion Ratio Lower Upper

76 100

78 31.9 28.2 42.2



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

8.99

120000

100000

80000

60000

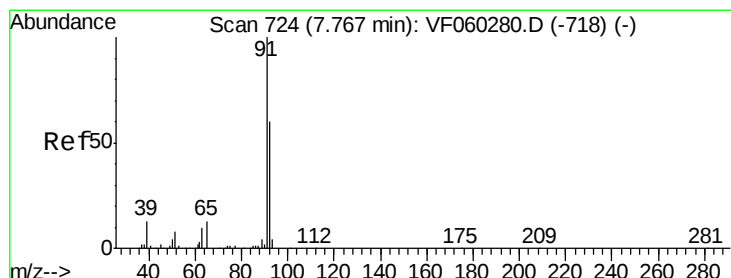
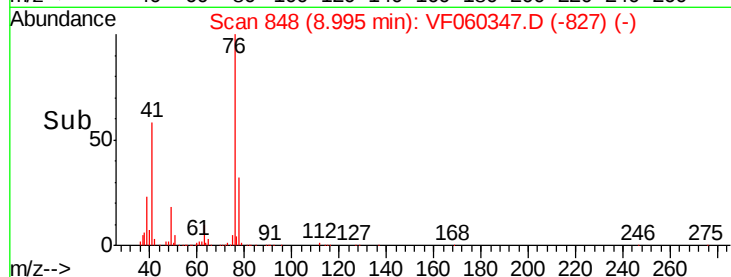
40000

20000

0

8.90 9.00 9.10

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 240.607 ug/l

RT: 7.76 min Scan# 723

Delta R.T. -0.00 min

Lab File: VF060347.D

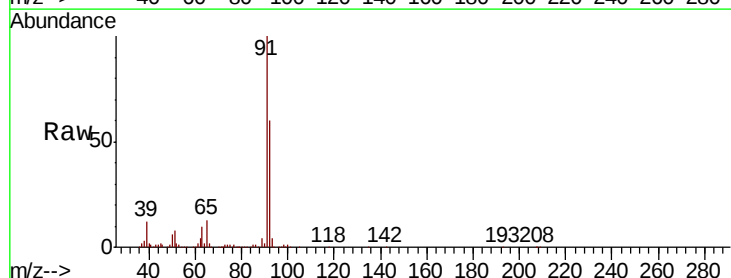
Acq: 26 Sep 2018 12:21

Tgt Ion: 63 Resp: 68319

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.76

30000

25000

20000

15000

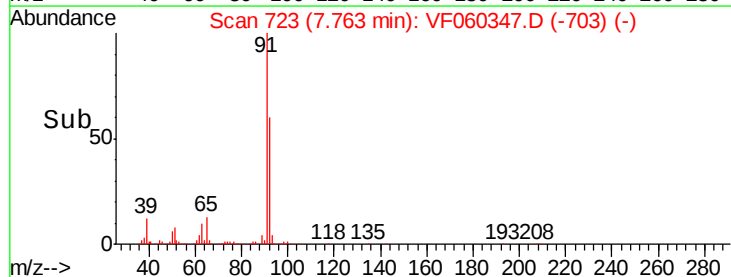
10000

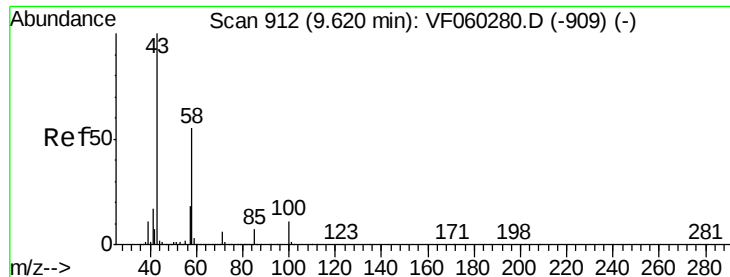
5000

0

7.70 7.80

Time-->

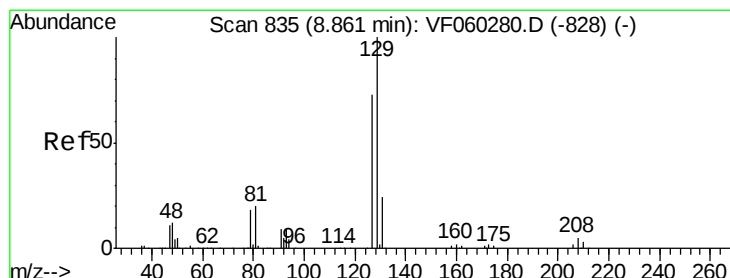
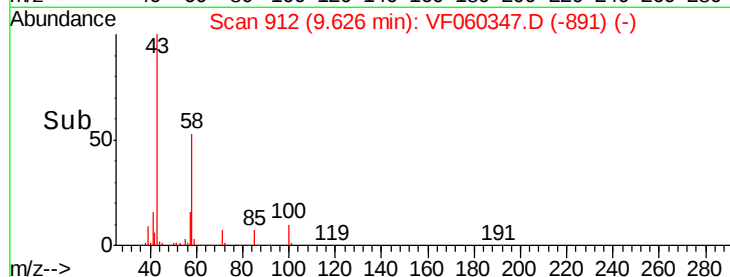
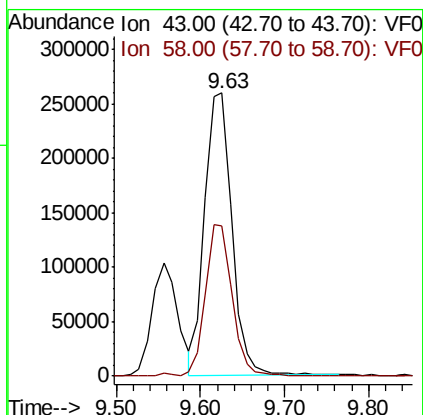
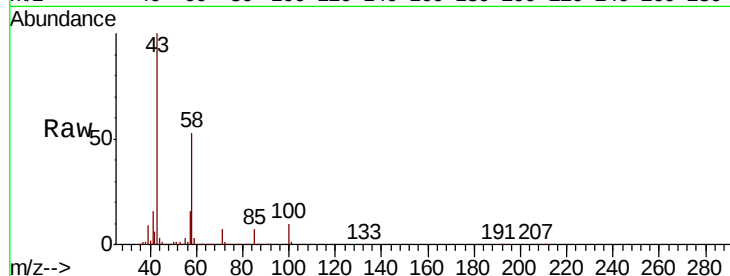




#59
2-Hexanone
Concen: 340.232 ug/l
RT: 9.63 min Scan# 912
Delta R.T. 0.01 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

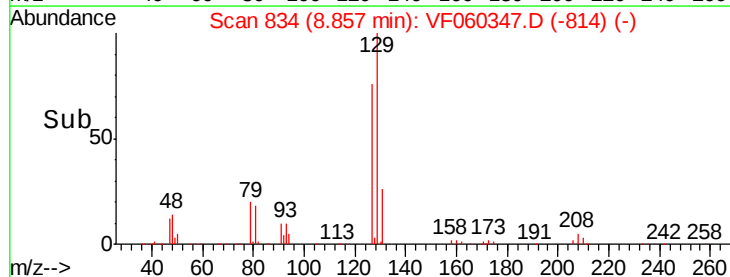
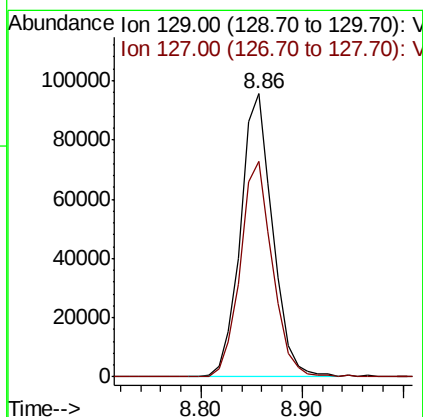
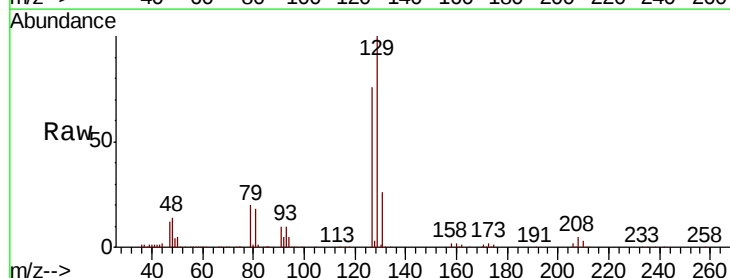
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

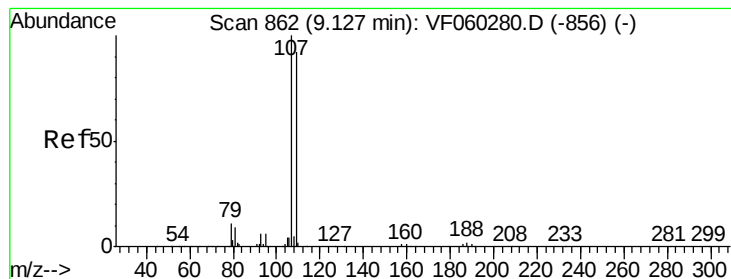
Tot Ion: 43 Resp: 580965
Ion Ratio Lower Upper
43 100
58 53.3 25.9 77.6



#60
Dibromochloromethane
Concen: 53.424 ug/l
RT: 8.86 min Scan# 834
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion: 129 Resp: 211766
Ion Ratio Lower Upper
129 100
127 76.0 36.6 109.8





#61

1,2-Dibromoethane

Concen: 51.273 ug/l

RT: 9.13 min Scan# 862

Delta R.T. 0.01 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

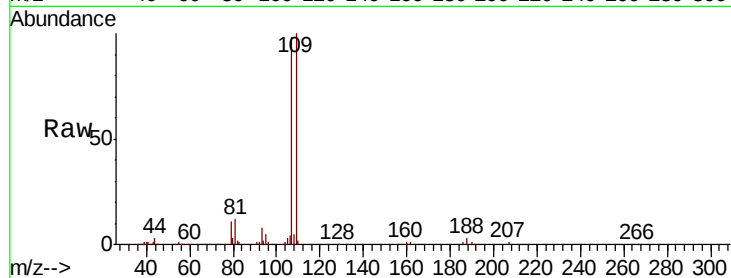
VSTDCCC050

Tot Ion:107 Resp: 151846

Ion Ratio Lower Upper

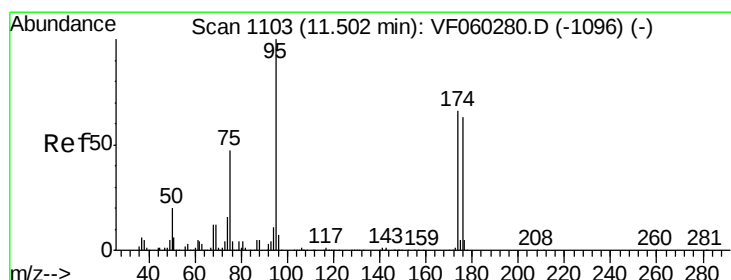
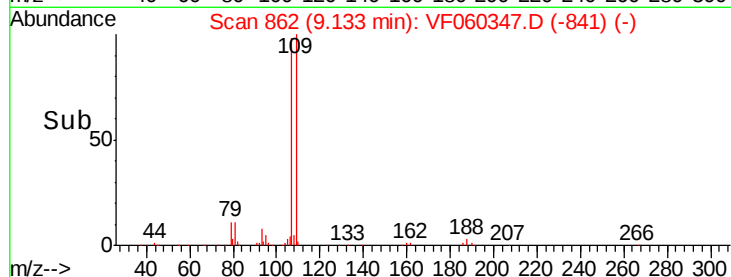
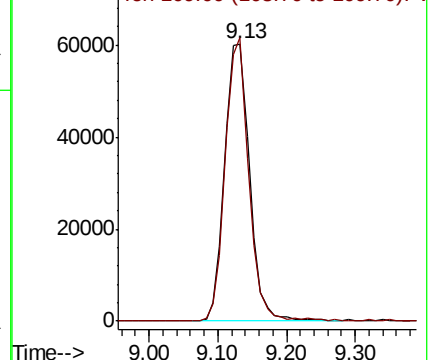
107 100

109 102.2 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 49.257 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

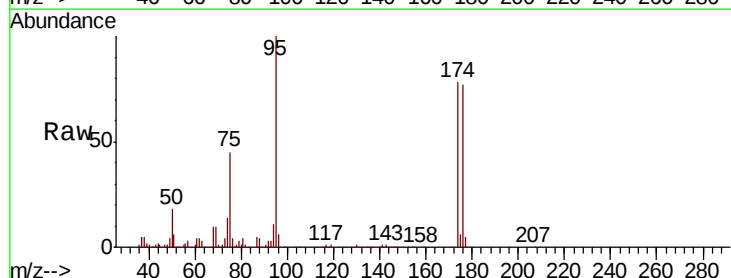
Tgt Ion: 95 Resp: 242061

Ion Ratio Lower Upper

95 100

174 78.5 0.0 131.2

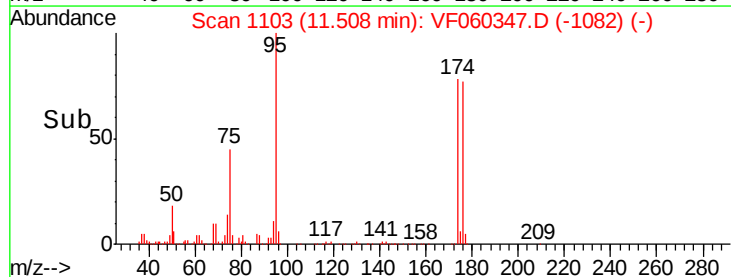
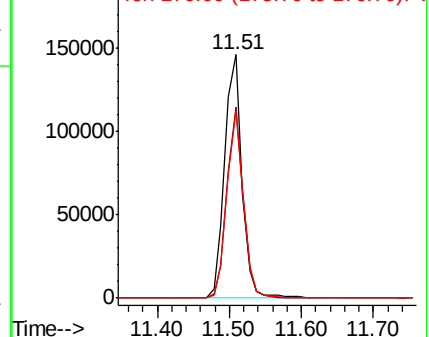
176 76.9 0.0 126.6

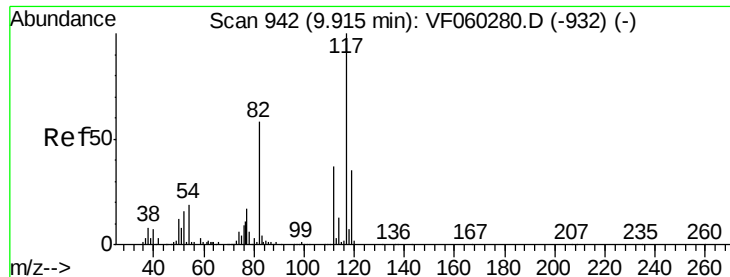


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

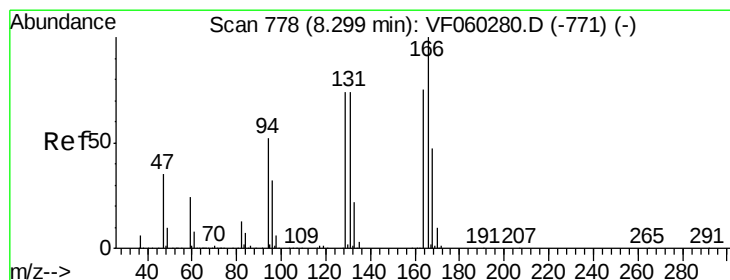
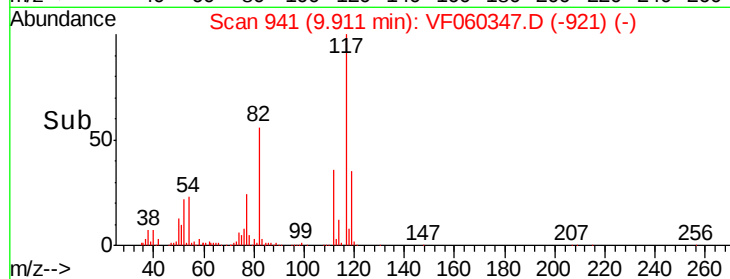
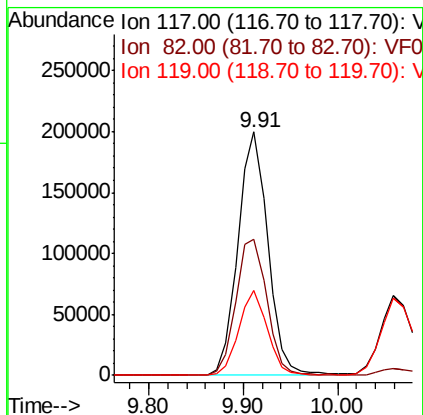
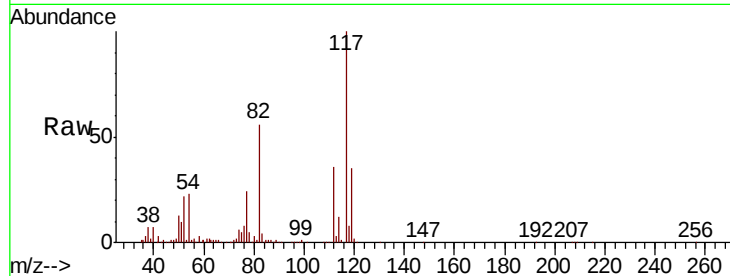




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

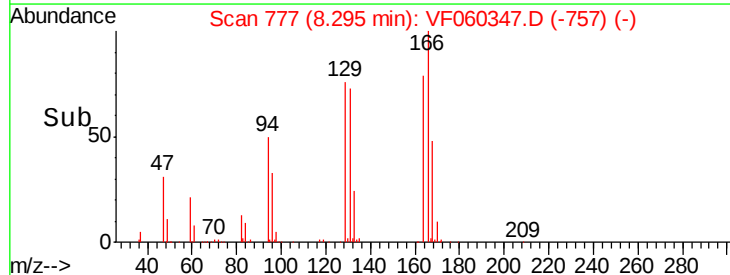
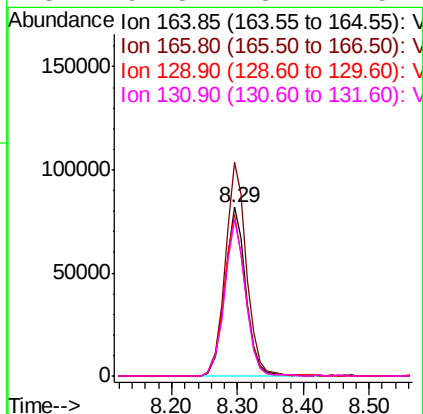
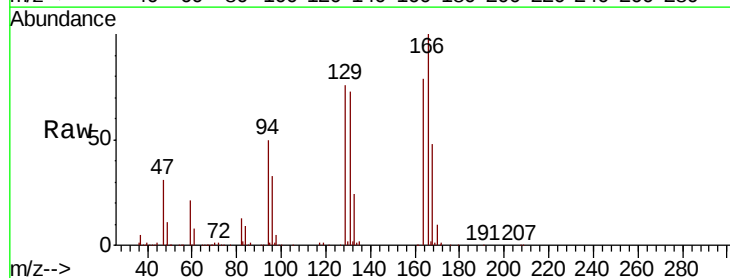
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

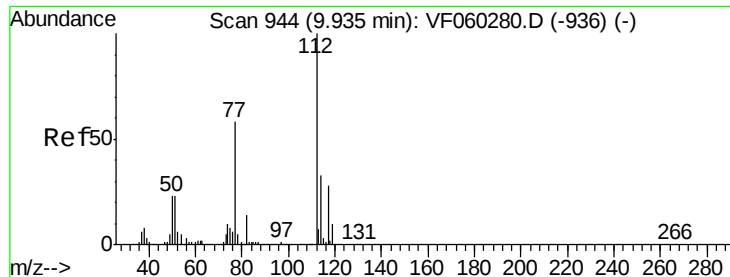
Tot Ion:117 Resp: 436921
Ion Ratio Lower Upper
117 100
82 56.1 46.2 69.2
119 35.0 27.8 41.6



#64
Tetrachloroethene
Concen: 46.232 ug/l
RT: 8.29 min Scan# 777
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion:164 Resp: 183115
Ion Ratio Lower Upper
164 100
166 126.6 106.8 160.2
129 95.8 78.8 118.2
131 92.8 78.7 118.1

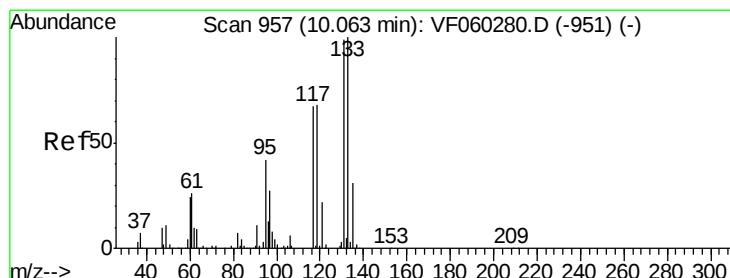
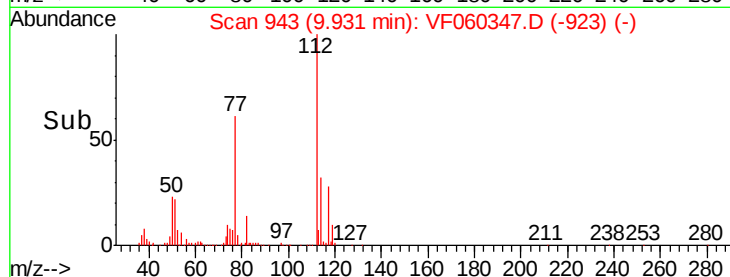
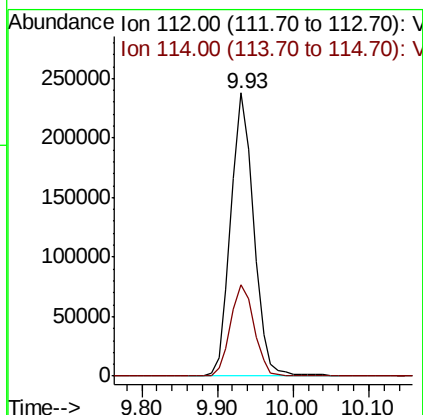
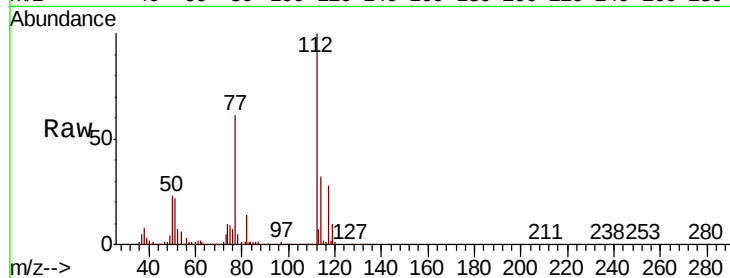




#65
Chlorobenzene
Concen: 50.323 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

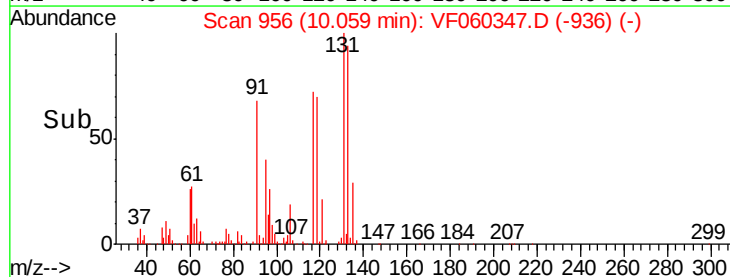
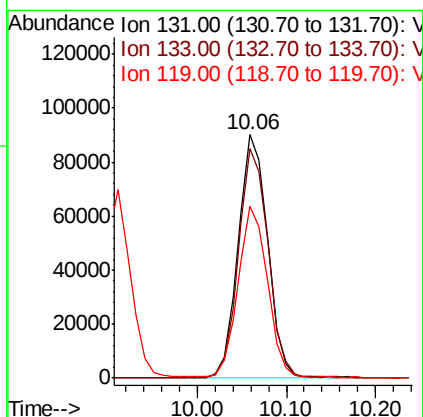
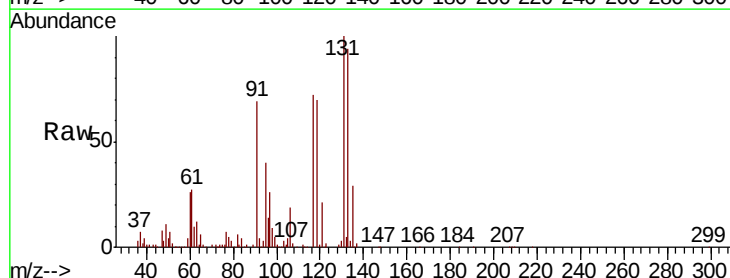
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

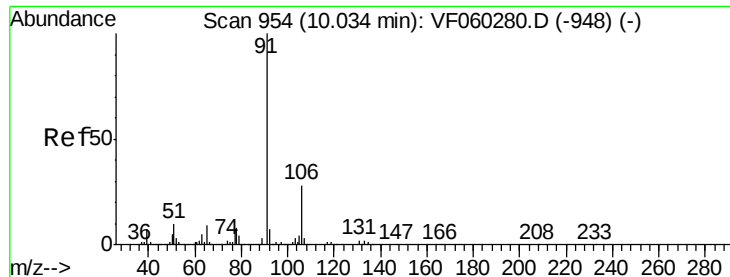
Tot Ion:112 Resp: 498325
Ion Ratio Lower Upper
112 100
114 32.3 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 50.306 ug/l
RT: 10.06 min Scan# 956
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion:131 Resp: 206736
Ion Ratio Lower Upper
131 100
133 94.4 50.4 151.2
119 70.4 34.8 104.3





#67

Ethyl Benzene

Concen: 49.062 ug/l

RT: 10.03 min Scan# 953

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

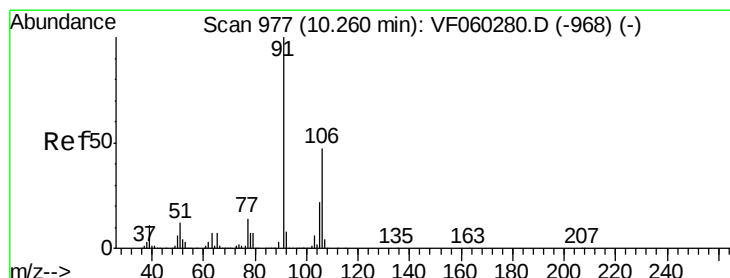
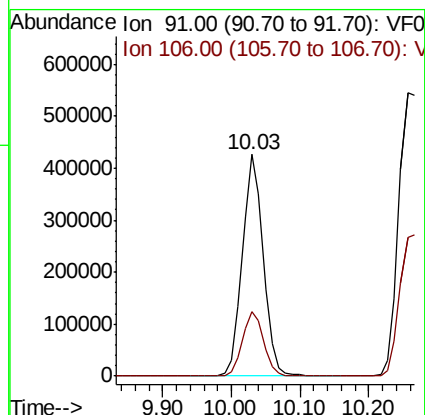
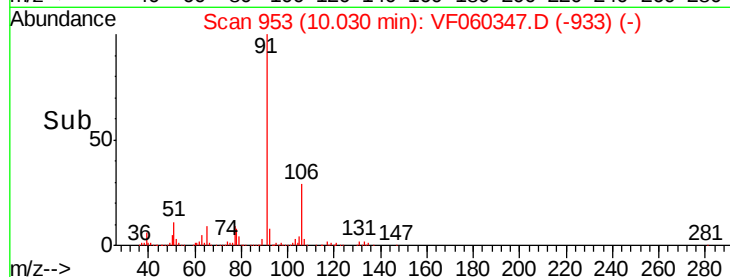
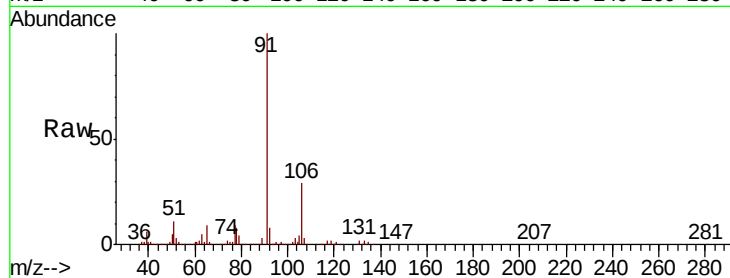
VSTDCCC050

Tot Ion: 91 Resp: 898296

Ion Ratio Lower Upper

91 100

106 29.1 22.7 34.1



#68

m/p-Xylenes

Concen: 97.405 ug/l

RT: 10.27 min Scan# 977

Delta R.T. 0.01 min

Lab File: VF060347.D

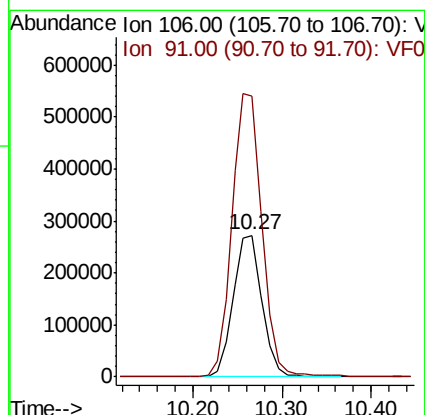
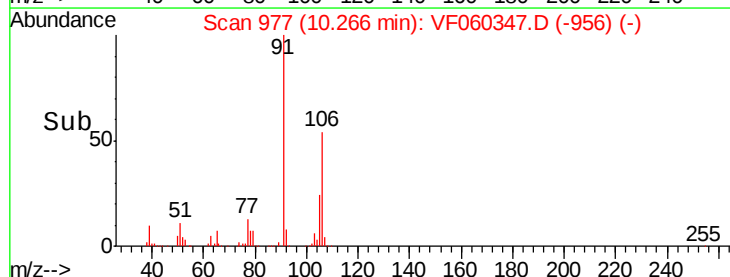
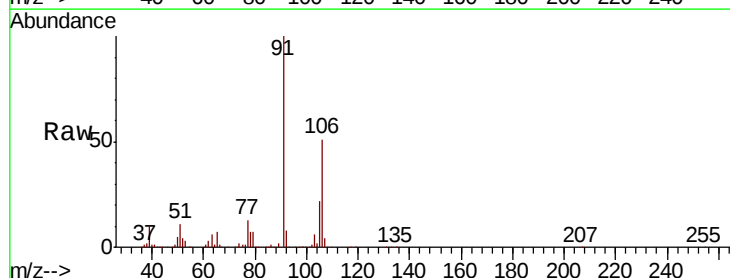
Acq: 26 Sep 2018 12:21

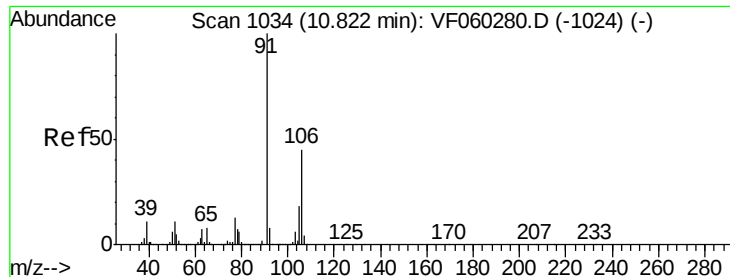
Tgt Ion:106 Resp: 616149

Ion Ratio Lower Upper

106 100

91 197.5 172.3 258.5

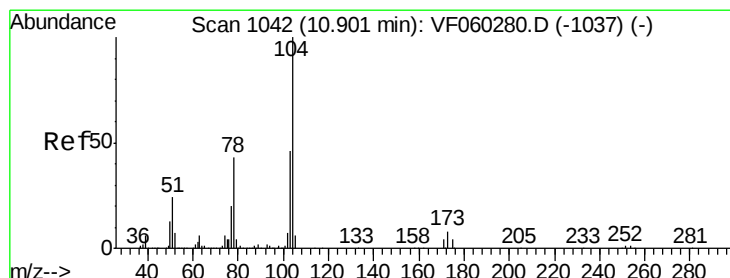
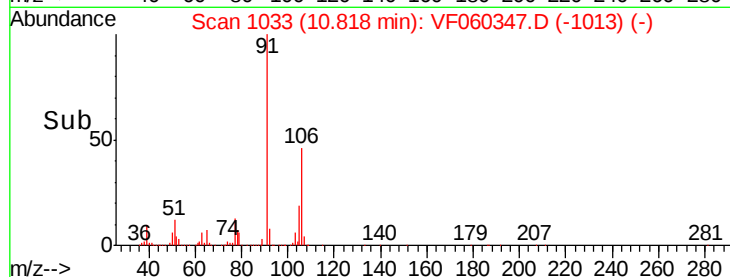
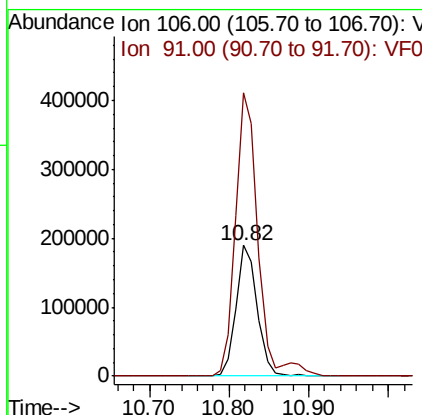
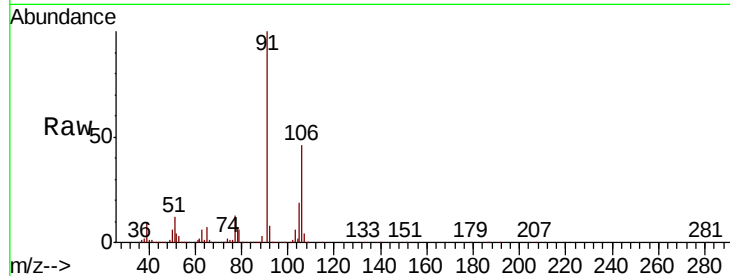




#69
o-Xylene
Concen: 49.623 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

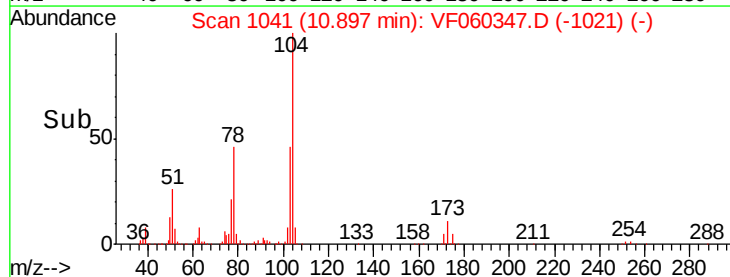
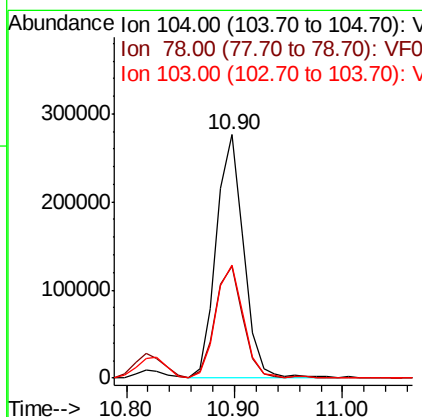
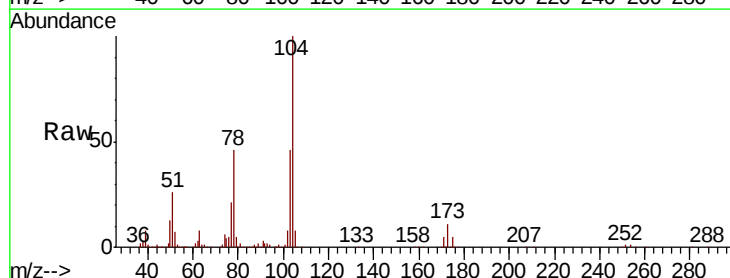
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

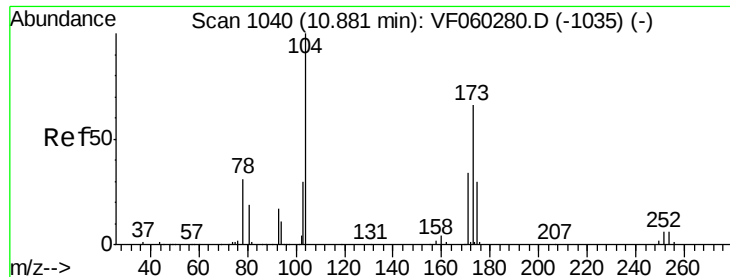
Tot Ion:106 Resp: 352080
Ion Ratio Lower Upper
106 100
91 216.4 110.9 332.6



#70
Styrene
Concen: 48.105 ug/l
RT: 10.90 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion:104 Resp: 481330
Ion Ratio Lower Upper
104 100
78 46.2 35.0 52.6
103 46.3 37.4 56.0





#71

Bromoform

Concen: 51.790 ug/l

RT: 10.88 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

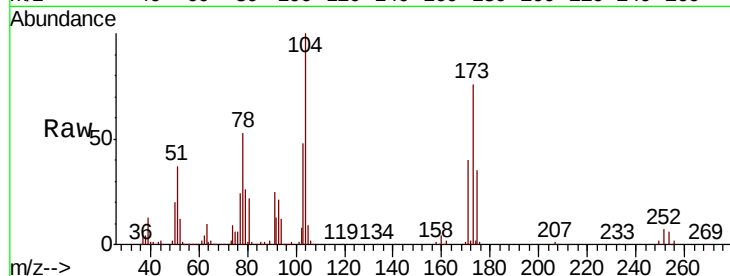
Tot Ion:173 Resp: 116888

Ion Ratio Lower Upper

173 100

175 46.5 22.3 66.9

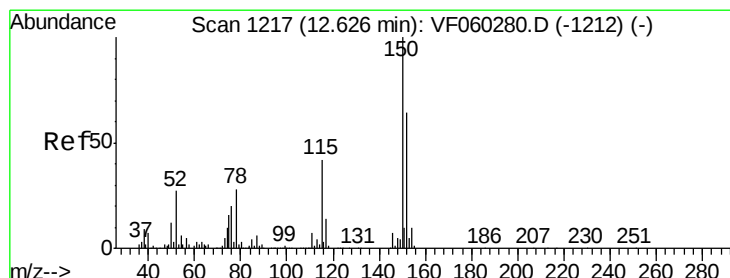
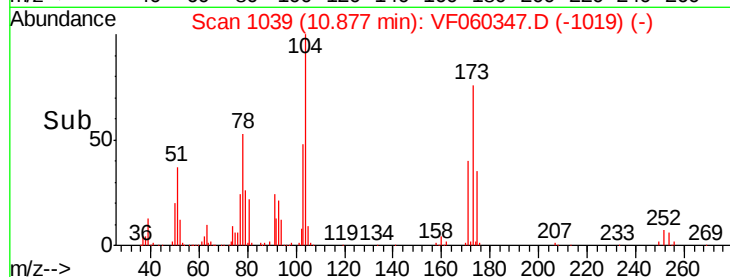
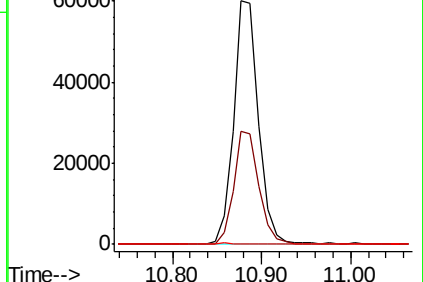
254 0.2 0.0 0.0#



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: 12.63 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

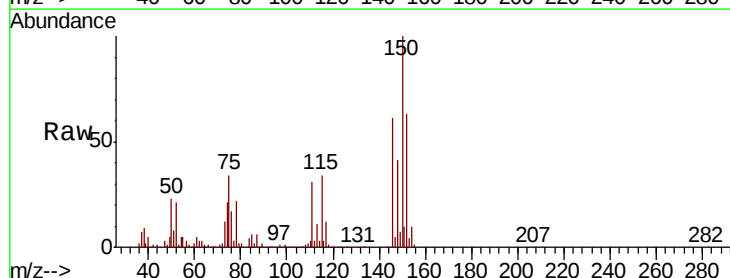
Tgt Ion:152 Resp: 235114

Ion Ratio Lower Upper

152 100

115 53.6 32.6 97.8

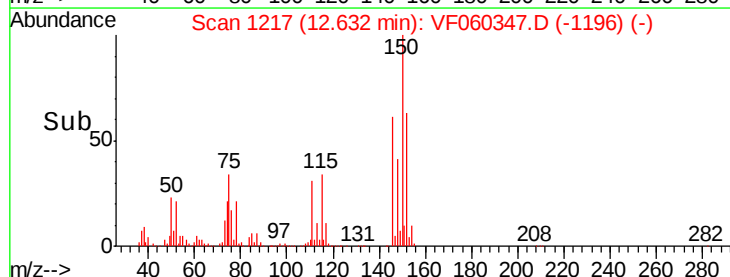
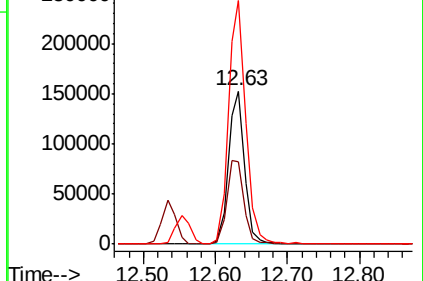
150 159.0 0.0 314.2

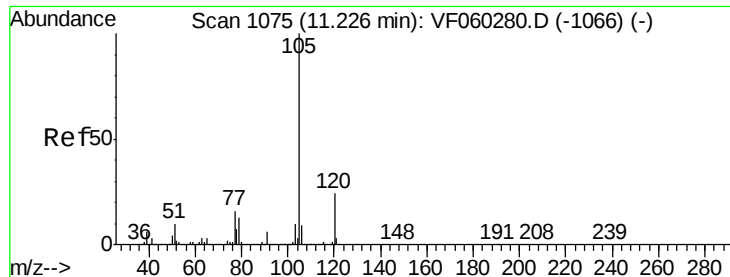


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 48.459 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

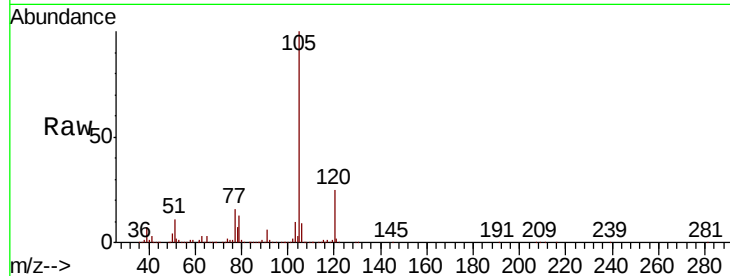
VSTDCCC050

Tot Ion:105 Resp: 1022821

Ion Ratio Lower Upper

105 100

120 25.3 12.2 36.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

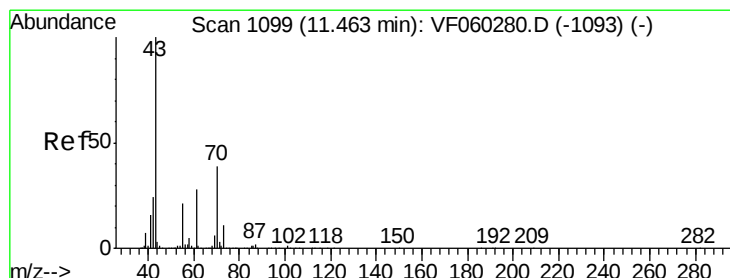
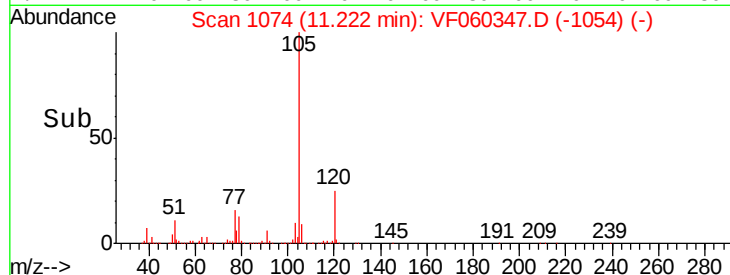
600000

400000

200000

0

Time--> 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 57.024 ug/l

RT: 11.46 min Scan# 1098

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Tgt Ion: 43 Resp: 256661

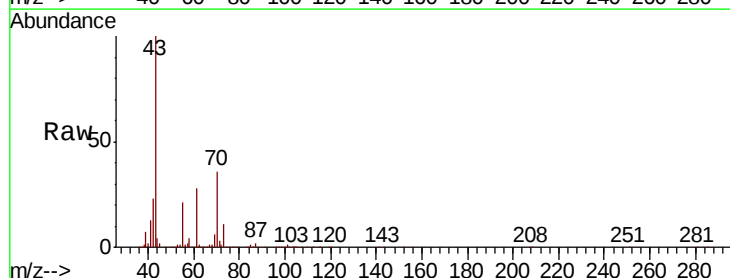
Ion Ratio Lower Upper

43 100

70 35.5 31.4 47.2

55 21.0 16.8 25.2

61 28.4 22.6 34.0



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

250000

200000

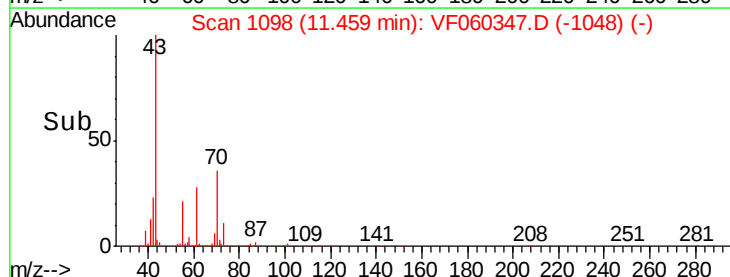
150000

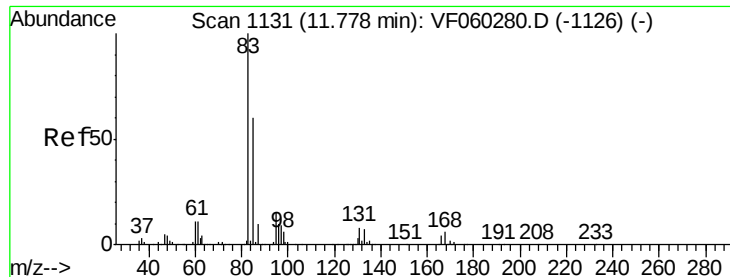
100000

50000

0

Time--> 11.30 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 54.266 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

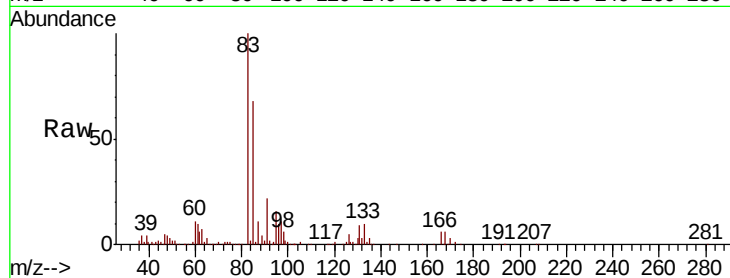
Tot Ion: 83 Resp: 202989

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.2	12.4
85	67.6	30.1	90.5

83 100

131 9.1 4.2 12.4

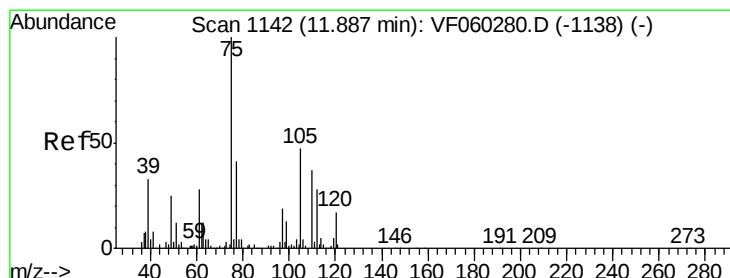
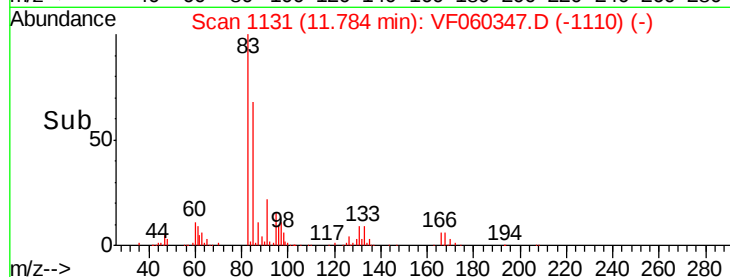
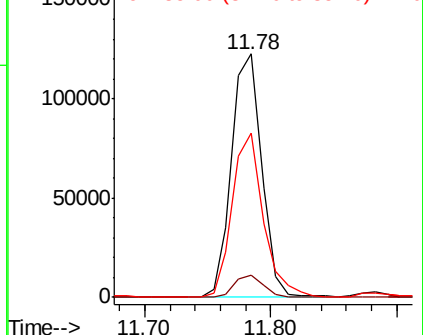
85 67.6 30.1 90.5



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: 53.398 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF060347.D

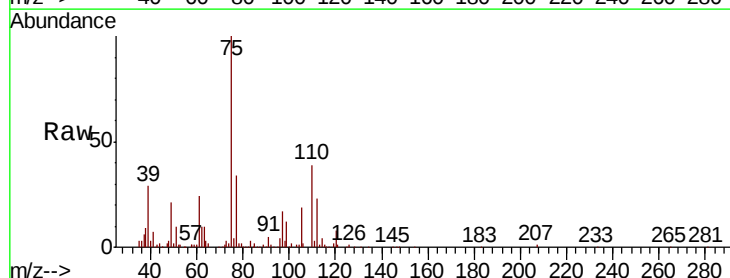
Acq: 26 Sep 2018 12:21

Tgt Ion: 75 Resp: 143018

Ion	Ratio	Lower	Upper
75	100		
77	34.4	20.5	61.5

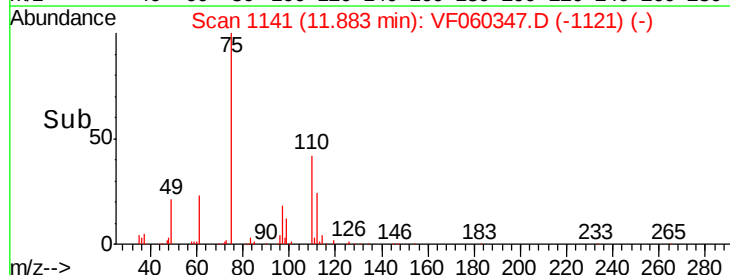
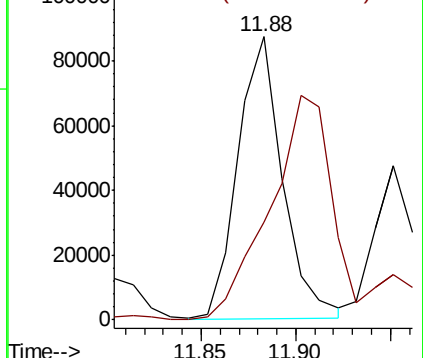
75 100

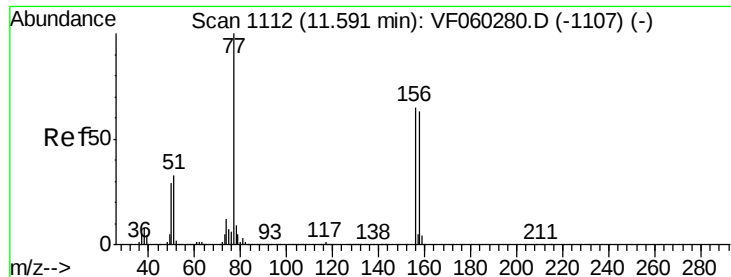
77 34.4 20.5 61.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 48.404 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

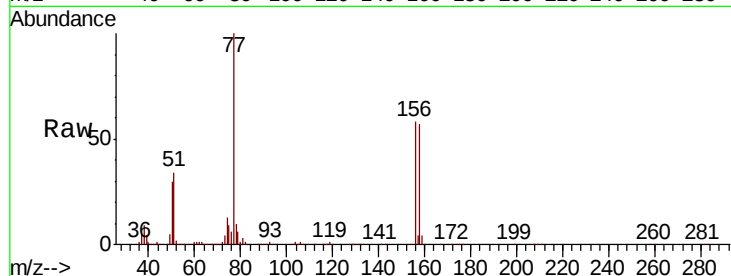
Tot Ion:156 Resp: 220176

Ion Ratio Lower Upper

156 100

77 173.6 77.3 232.1

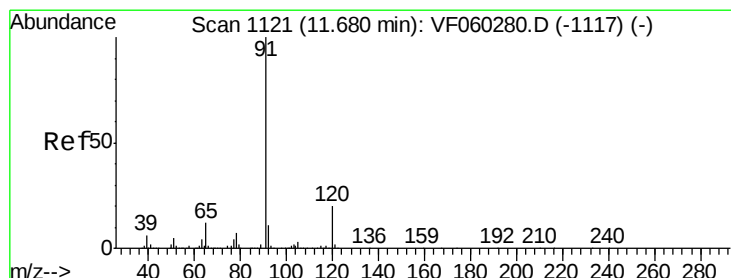
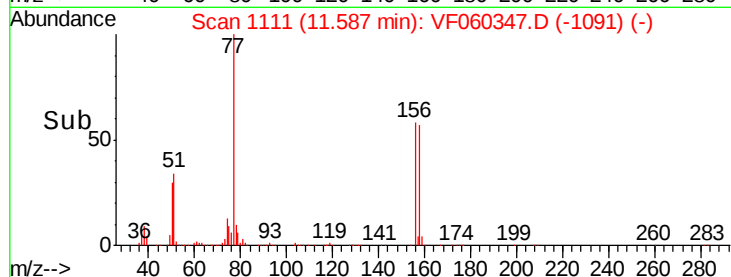
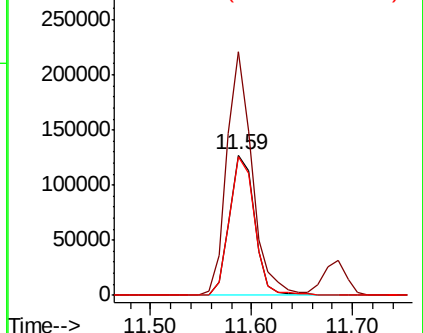
158 99.0 48.4 145.2



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: 58.130 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF060347.D

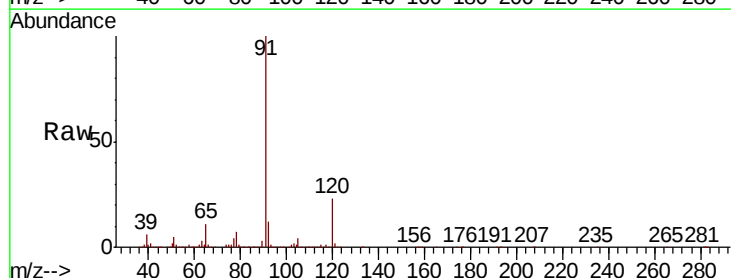
Acq: 26 Sep 2018 12:21

Tgt Ion: 91 Resp: 1180929

Ion Ratio Lower Upper

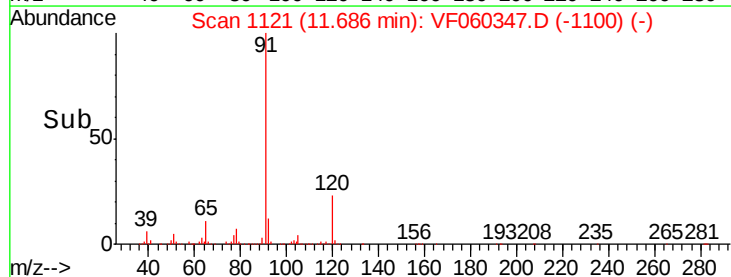
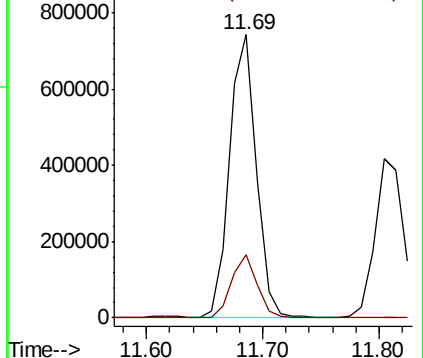
91 100

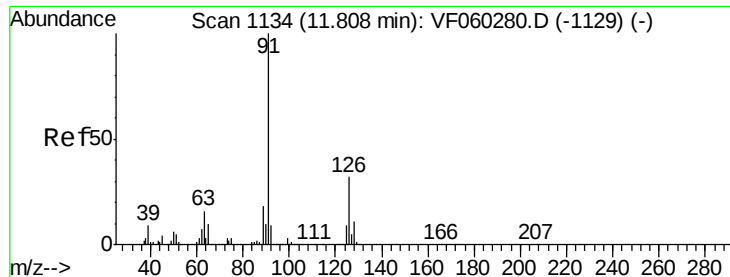
120 22.6 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.916 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

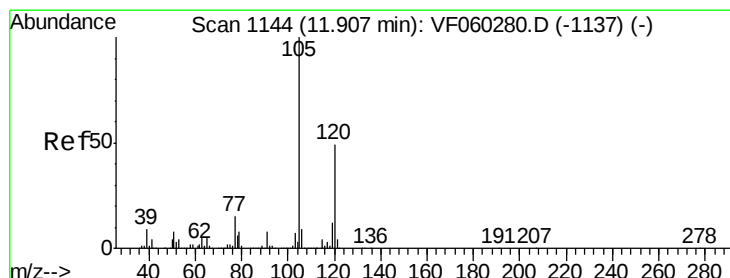
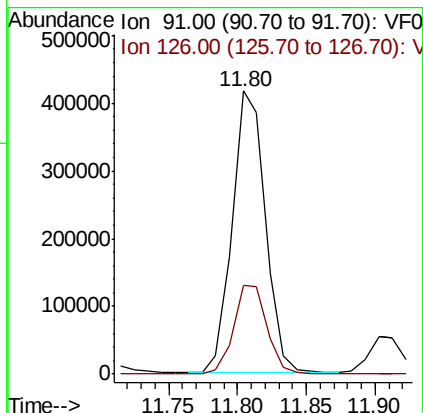
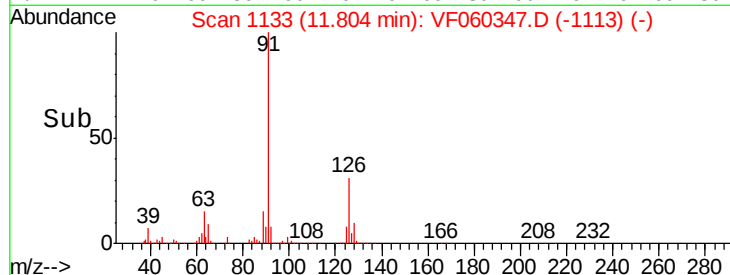
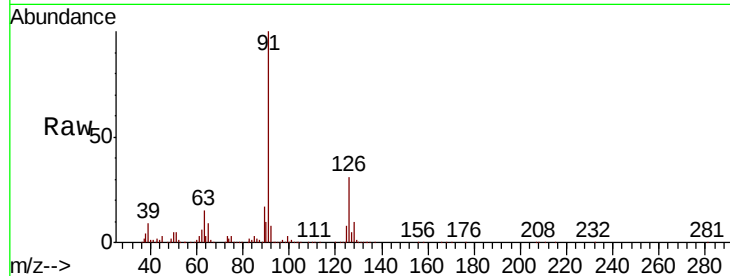
VSTDCCC050

Tot Ion: 91 Resp: 696455

Ion Ratio Lower Upper

91 100

126 31.2 16.1 48.3



#80

1,3,5-Trimethylbenzene

Concen: 49.458 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF060347.D

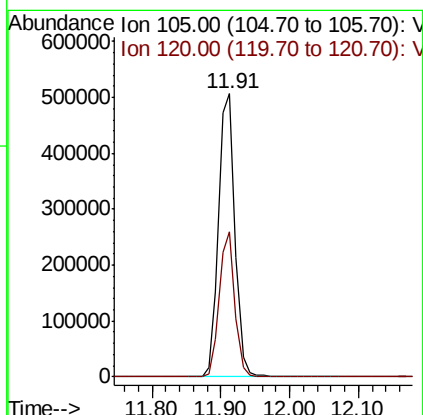
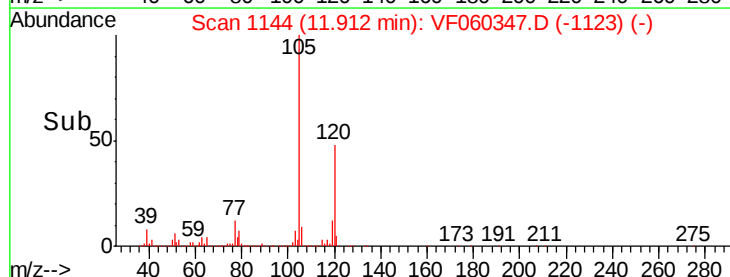
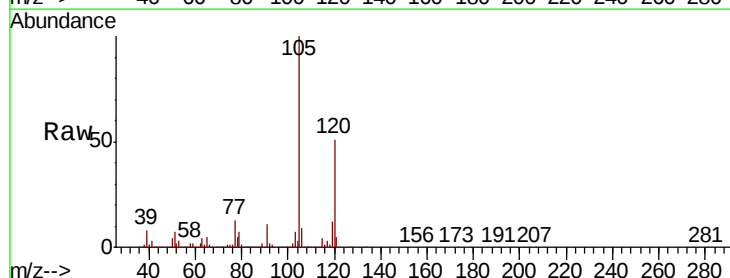
Acq: 26 Sep 2018 12:21

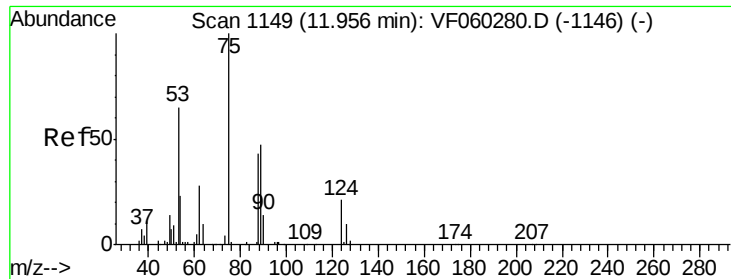
Tgt Ion:105 Resp: 840311

Ion Ratio Lower Upper

105 100

120 51.3 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 65.083 ug/l

RT: 11.95 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

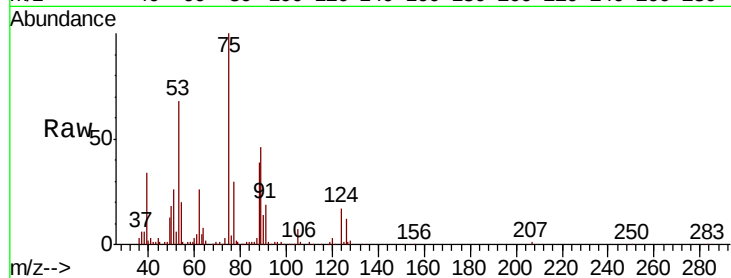
Tot Ion: 75 Resp: 92120

Ion Ratio Lower Upper

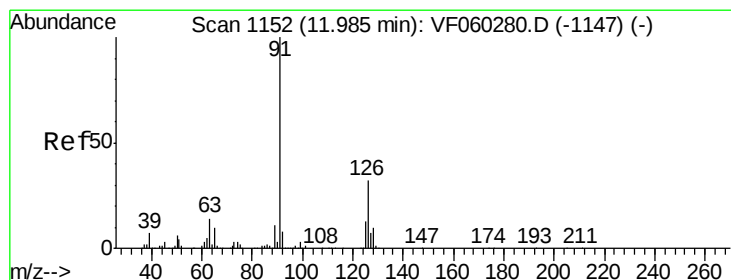
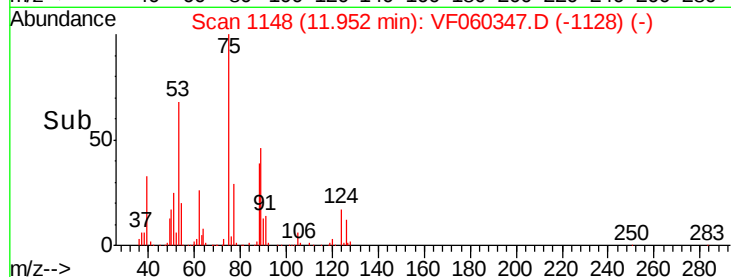
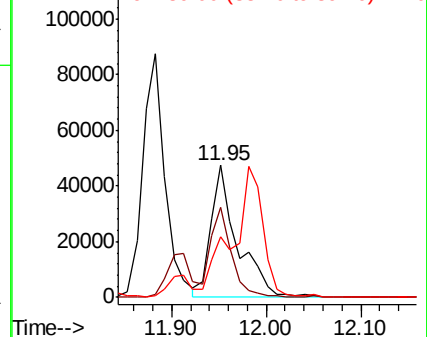
75 100

53 68.0 56.5 84.7

89 46.2 40.6 60.8



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: 47.336 ug/l

RT: 11.98 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF060347.D

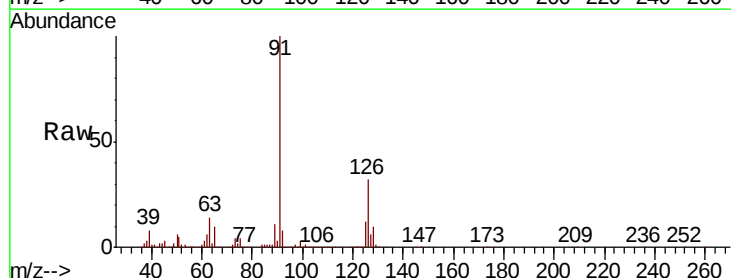
Acq: 26 Sep 2018 12:21

Tgt Ion: 91 Resp: 677395

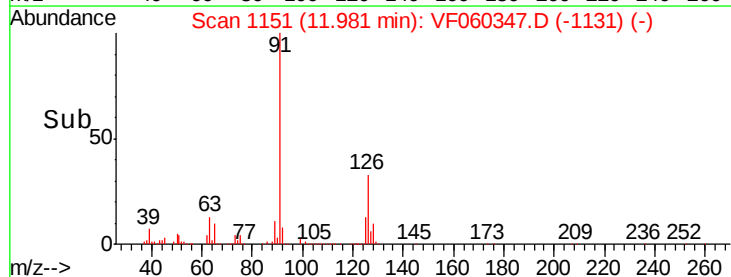
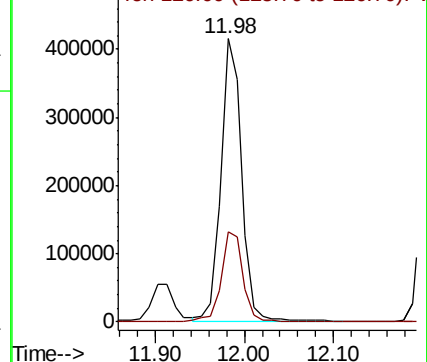
Ion Ratio Lower Upper

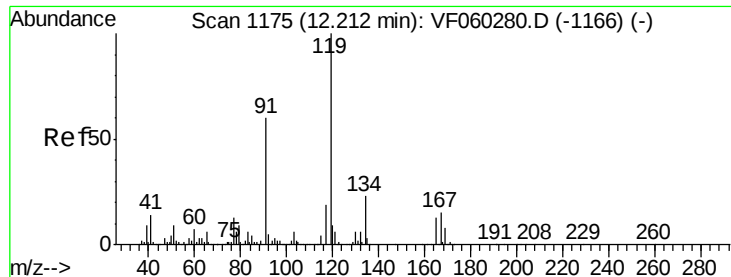
91 100

126 31.9 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 47.964 ug/l

RT: 12.21 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

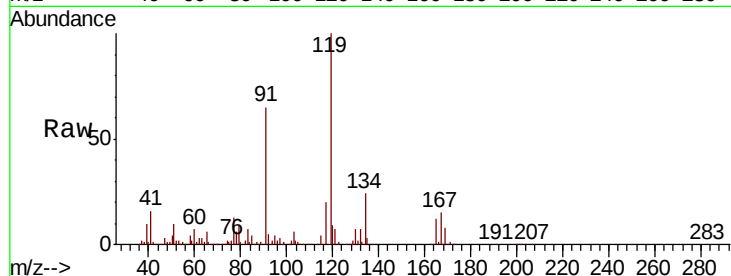
Tot Ion:119 Resp: 826103

Ion Ratio Lower Upper

119 100

91 64.8 30.3 91.0

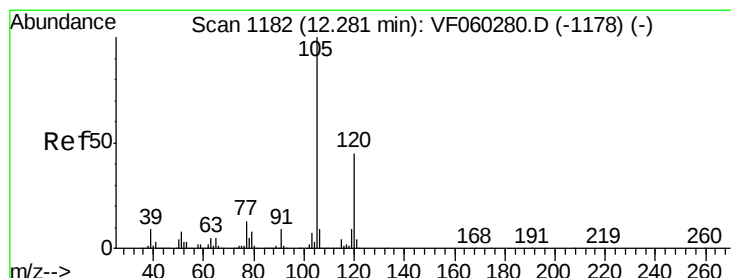
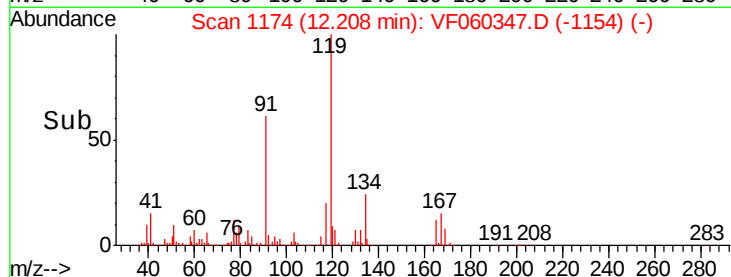
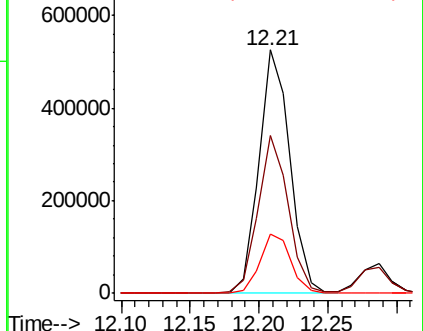
134 24.3 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 45.296 ug/l

RT: 12.29 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VF060347.D

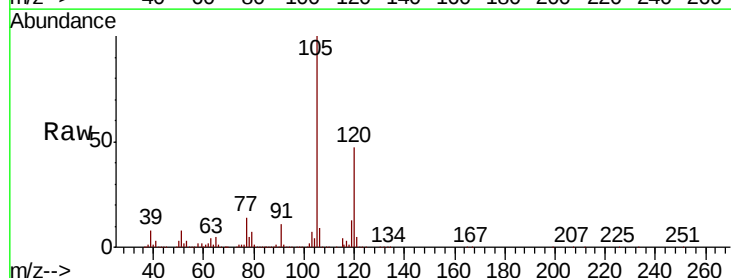
Acq: 26 Sep 2018 12:21

Tgt Ion:105 Resp: 781468

Ion Ratio Lower Upper

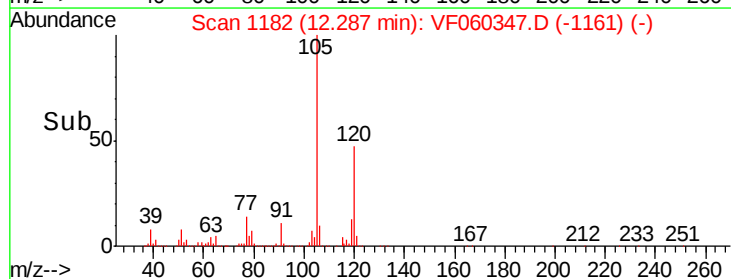
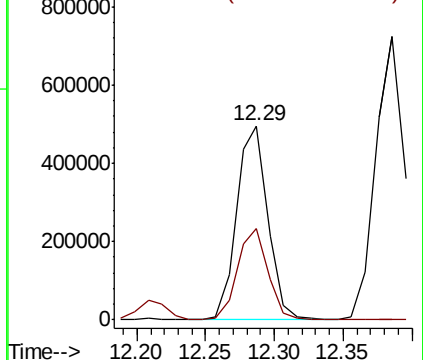
105 100

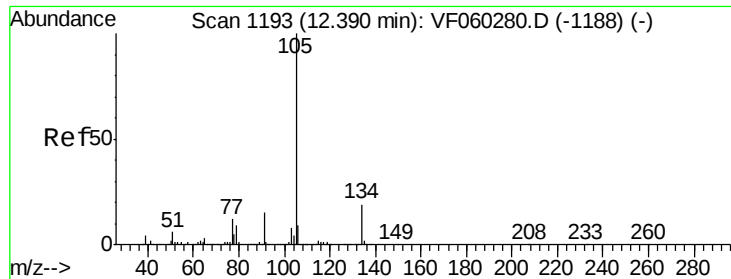
120 47.1 22.4 67.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 54.515 ug/l

RT: 12.39 min Scan# 1192

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

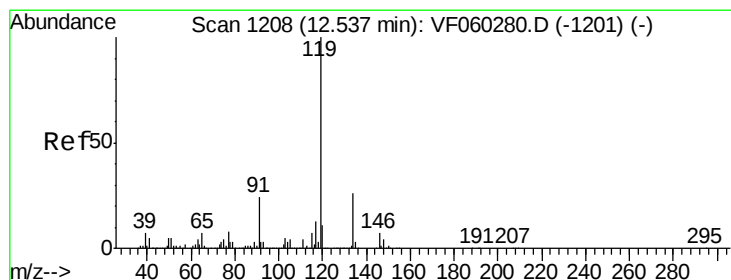
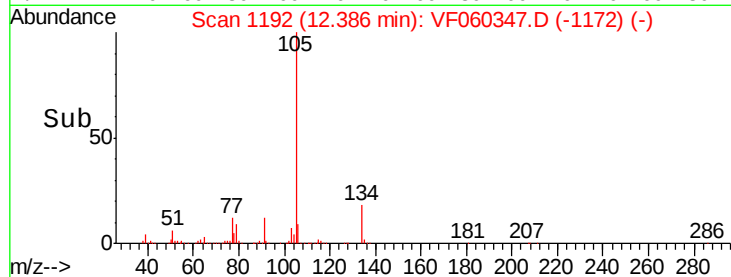
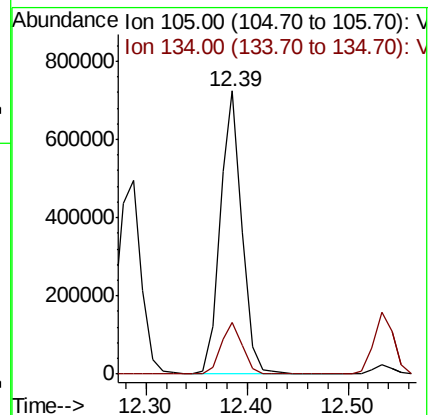
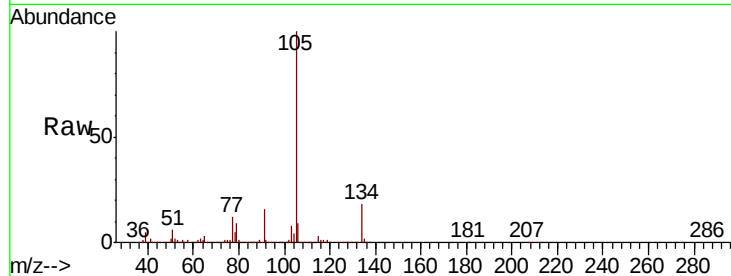
VSTDCCC050

Tot Ion:105 Resp: 1078135

Ion Ratio Lower Upper

105 100

134 18.5 9.6 28.6



#86

p-Isopropyltoluene

Concen: 55.664 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

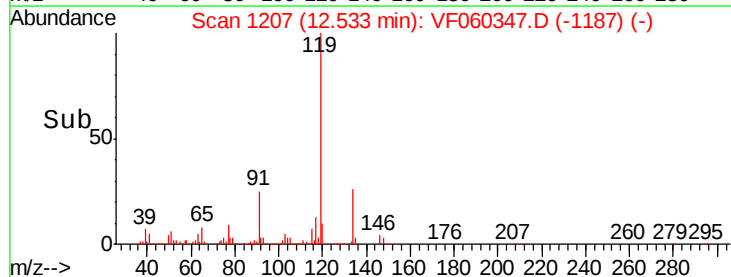
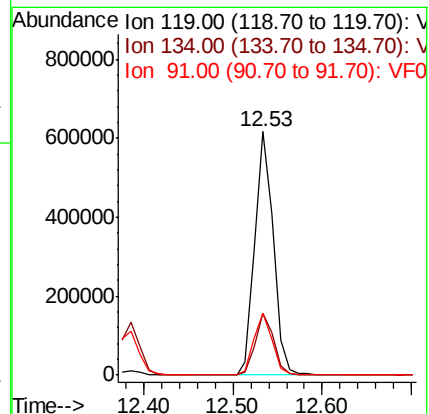
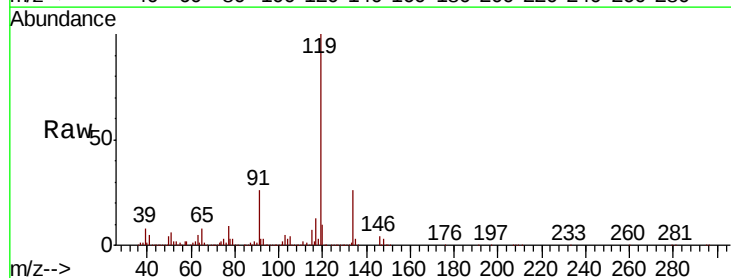
Tgt Ion:119 Resp: 877565

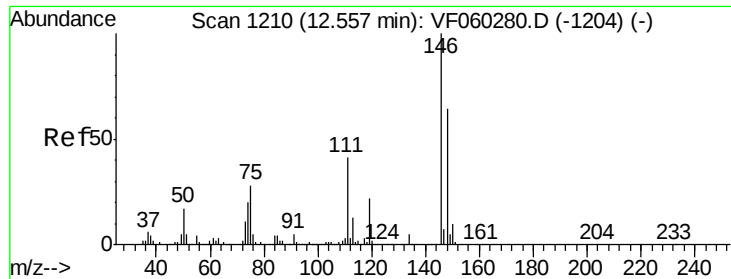
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

91 25.5 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 46.491 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

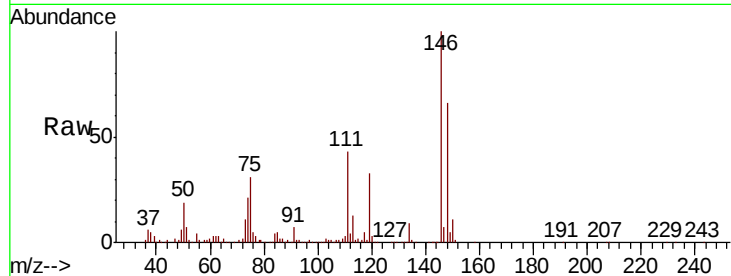
Tot Ion:146 Resp: 395173

Ion Ratio Lower Upper

146 100

111 42.6 20.5 61.6

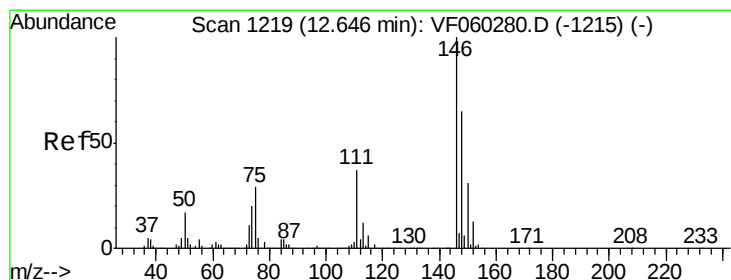
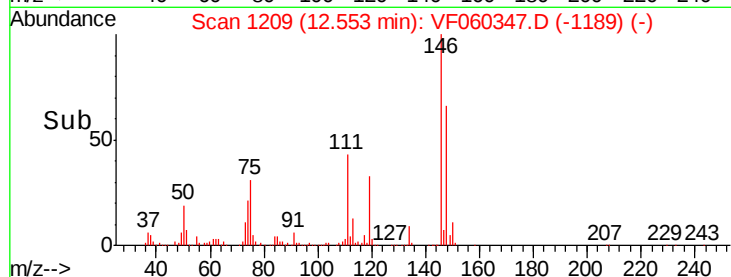
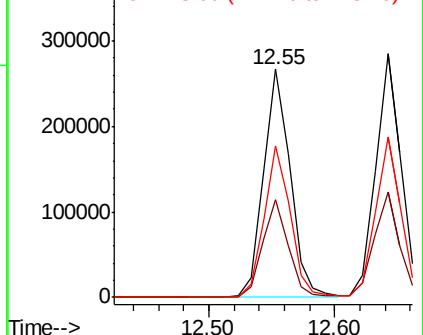
148 66.4 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 48.910 ug/l

RT: 12.64 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

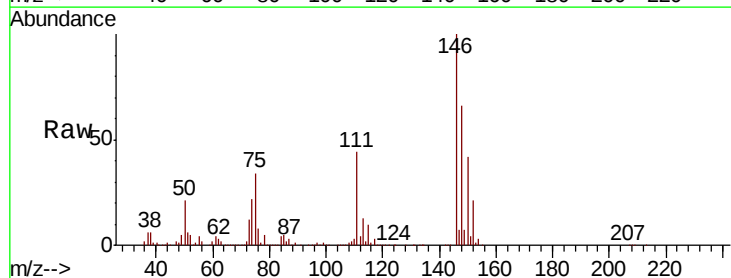
Tgt Ion:146 Resp: 410917

Ion Ratio Lower Upper

146 100

111 43.5 18.7 56.1

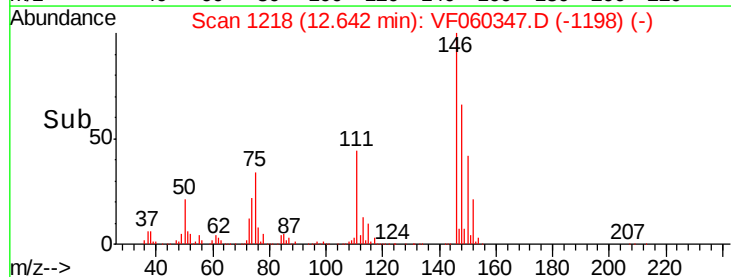
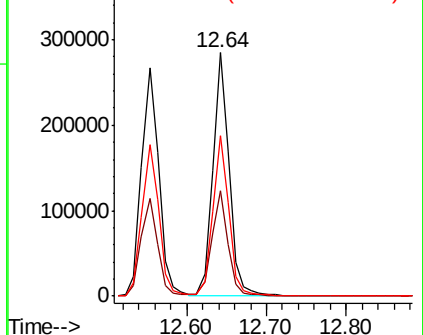
148 65.9 32.4 97.0

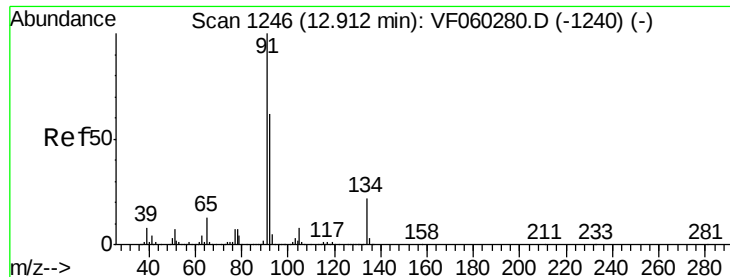


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

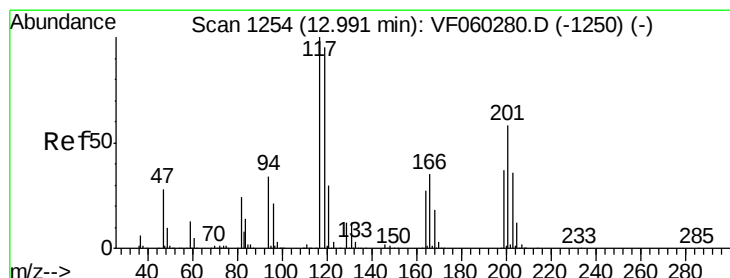
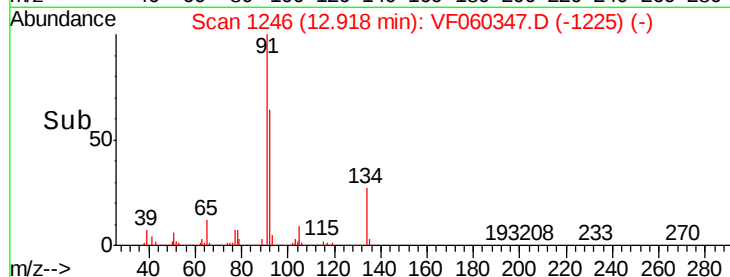
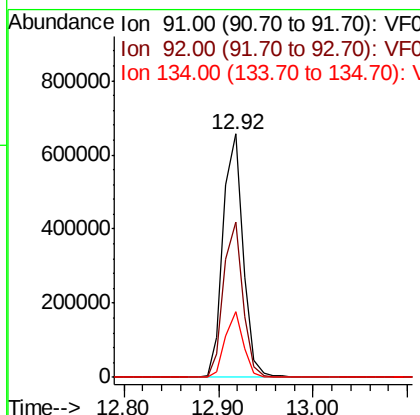
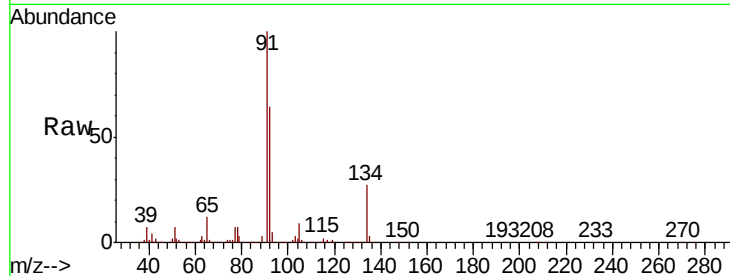




#89
n-Butylbenzene
Concen: 54.431 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

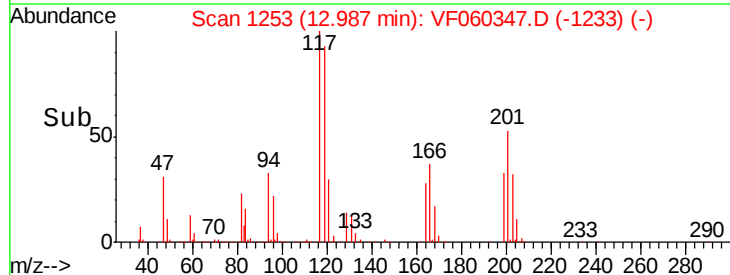
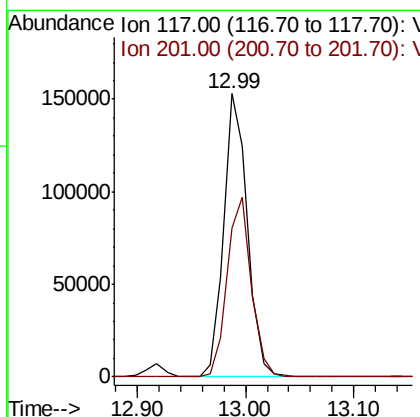
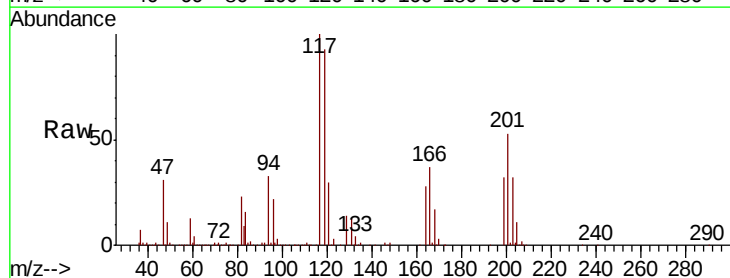
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

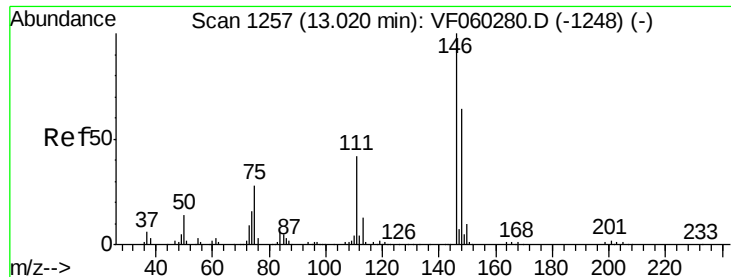
Tot Ion: 91 Resp: 961140
Ion Ratio Lower Upper
91 100
92 63.7 31.1 93.5
134 27.1 11.0 33.0



#90
Hexachloroethane
Concen: 48.117 ug/l
RT: 12.99 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion: 117 Resp: 231900
Ion Ratio Lower Upper
117 100
201 52.8 29.0 87.0





#91

1,2-Dichlorobenzene

Concen: 47.983 ug/l

RT: 13.02 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

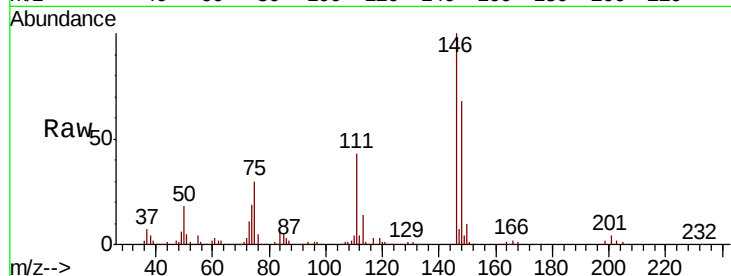
Tot Ion:146 Resp: 389073

Ion Ratio Lower Upper

146 100

111 42.9 20.9 62.8

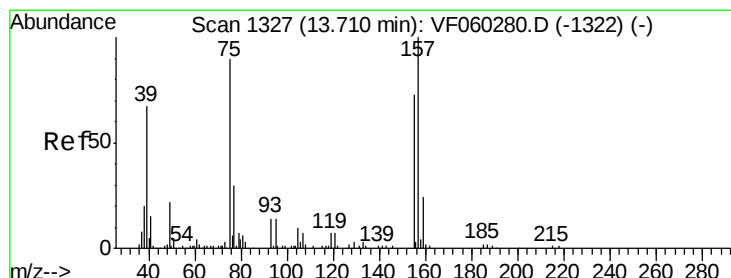
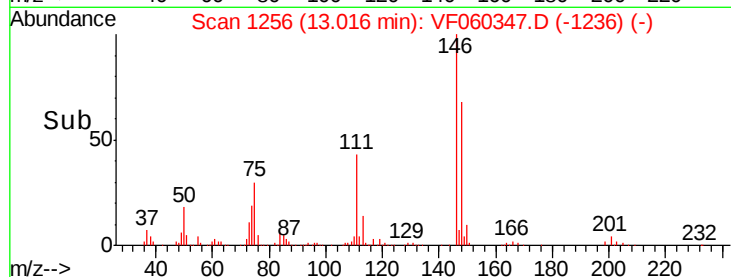
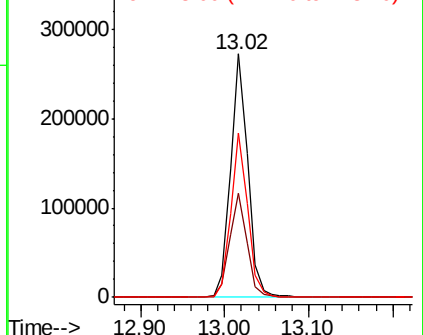
148 67.5 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.718 ug/l

RT: 13.71 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

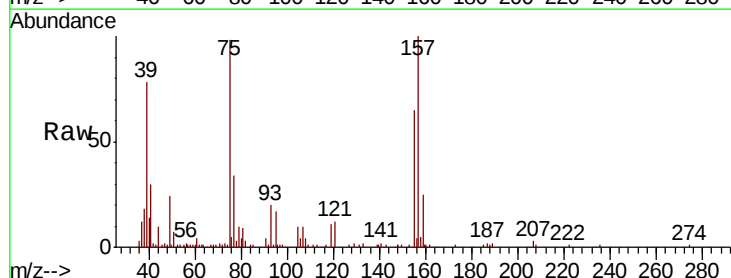
Tgt Ion: 75 Resp: 37024

Ion Ratio Lower Upper

75 100

155 66.4 41.9 125.7

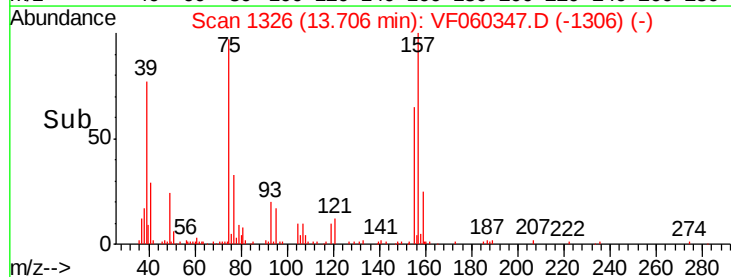
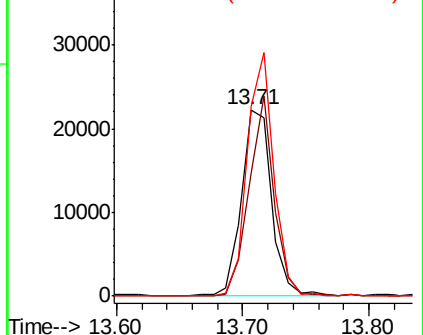
157 102.3 57.4 172.0

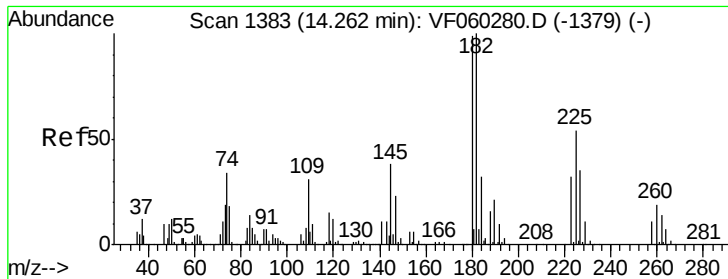


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

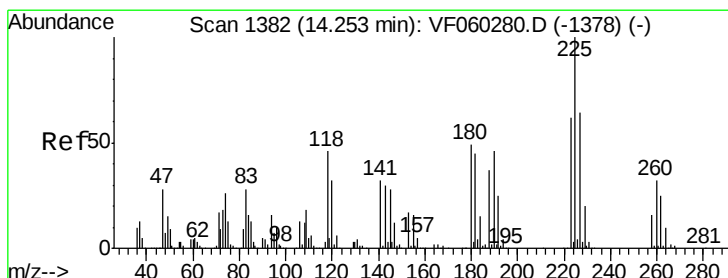
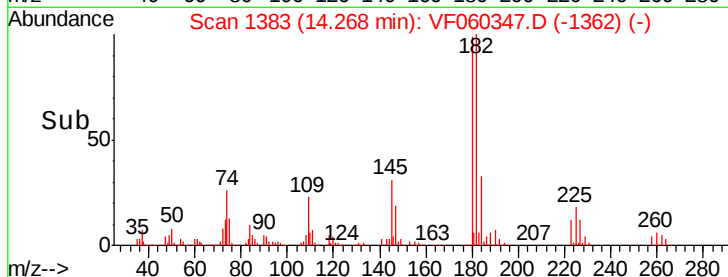
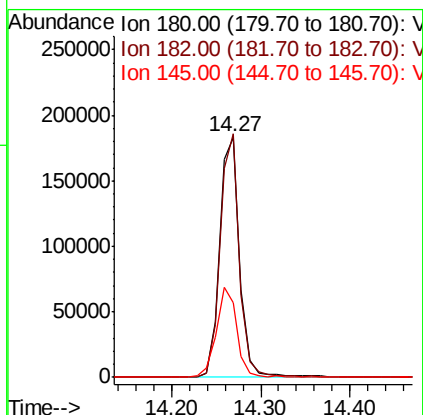
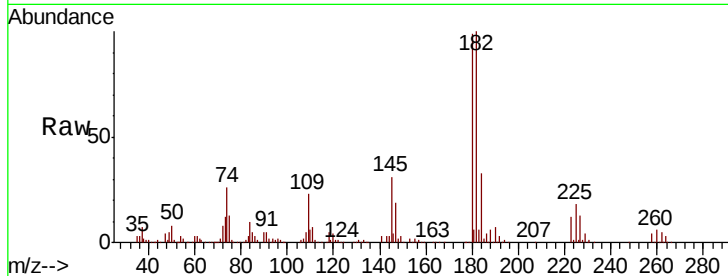




#93
 1,2,4-Trichlorobenzene
 Concen: 48.970 ug/l
 RT: 14.27 min Scan# 1383
 Delta R.T. 0.01 min
 Lab File: VF060347.D
 Acq: 26 Sep 2018 12:21

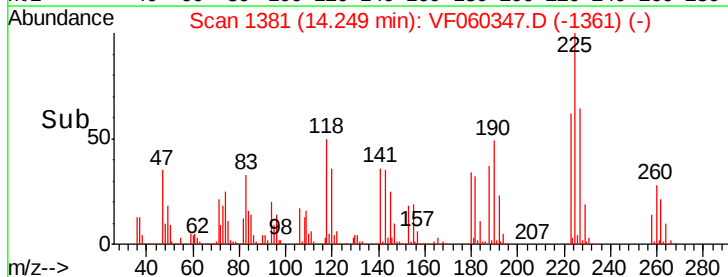
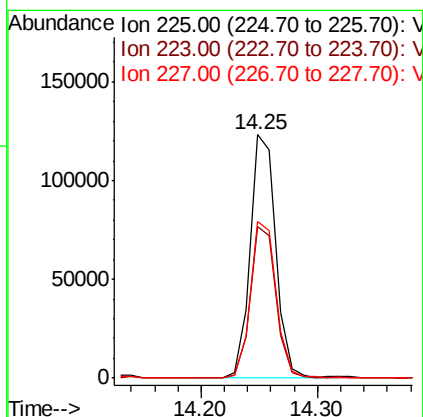
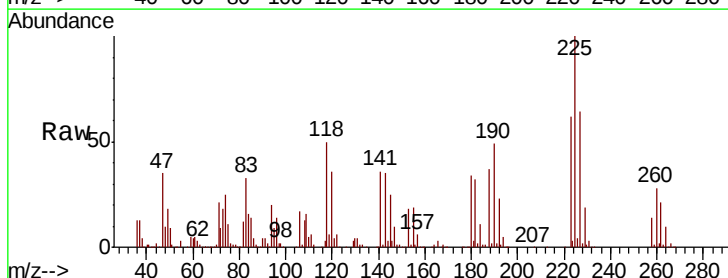
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

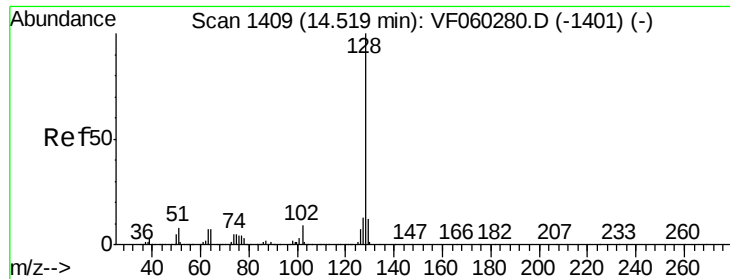
Tot Ion	Ratio	Lower	Upper
180	100		
182	101.5	50.3	151.0
145	31.0	18.9	56.9



#94
 Hexachlorobutadiene
 Concen: 47.113 ug/l
 RT: 14.25 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VF060347.D
 Acq: 26 Sep 2018 12:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.2	93.6
227	64.1	32.2	96.6

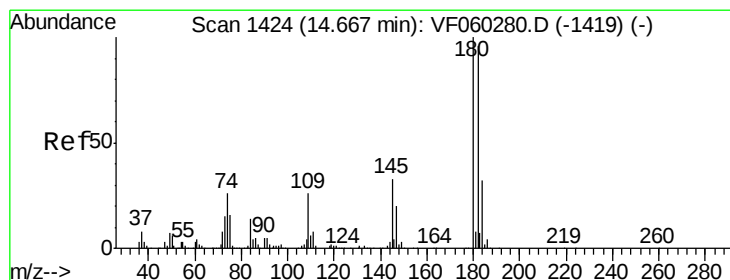
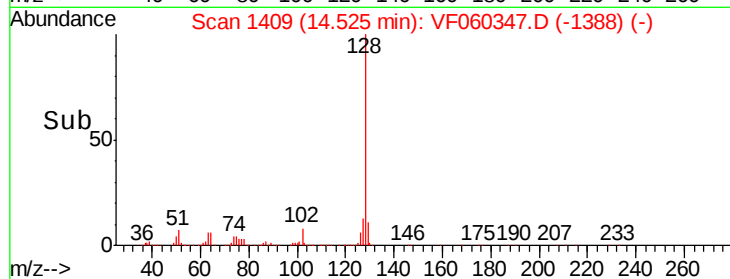
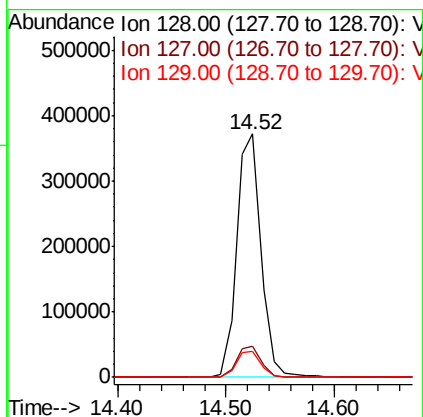
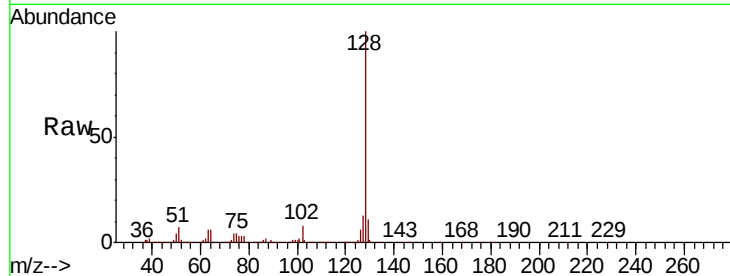




#95
Naphthalene
Concen: 56.252 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.01 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 581253
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 10.8 9.8 14.8



#96
1,2,3-Trichlorobenzene
Concen: 51.824 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion:180 Resp: 282226
Ion Ratio Lower Upper
180 100
182 98.7 47.8 143.4
145 35.8 16.4 49.1

