

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF092518\
 Data File : VF060324.D
 Acq On : 25 Sep 2018 13:58
 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 01:44:11 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	5.02	168	268023	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	468292	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	407217	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	222798	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	166838	46.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.46%	
35) Dibromofluoromethane	4.27	113	180676	43.28	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	86.56%	
50) Toluene-d8	7.69	98	480611	44.21	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	88.42%	
62) 4-Bromofluorobenzene	11.49	95	211152	44.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	209669	52.498	ug/l	96
3) Chloromethane	1.13	50	159374	43.635	ug/l	97
4) Vinyl Chloride	1.17	62	164476	44.186	ug/l	98
5) Bromomethane	1.35	94	118723	57.613	ug/l	97
6) Chloroethane	1.43	64	91694	51.724	ug/l	97
7) Trichlorofluoromethane	1.54	101	367731	53.027	ug/l	95
8) Diethyl Ether	1.70	74	54674	47.388	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	1.89	101	183051	49.633	ug/l	97
10) Methyl Iodide	1.96	142	215846	36.293	ug/l	97
11) Tert butyl alcohol	2.66	59	58567	293.696	ug/l	95
12) 1,1-Dichloroethene	1.85	96	153802	50.426	ug/l	82
13) Acrolein	2.08	56	18503	289.690	ug/l	96
14) Allyl chloride	2.18	41	251357	47.225	ug/l	95
15) Acrylonitrile	3.06	53	136379	267.559	ug/l	96
16) Acetone	2.33	43	275960	271.513	ug/l	98
17) Carbon Disulfide	1.87	76	401305	52.700	ug/l	97
18) Methyl Acetate	2.44	43	85180	50.307	ug/l	99
19) Methyl tert-butyl Ether	2.52	73	378463	49.774	ug/l	100
20) Methylene Chloride	2.27	84	64321	18.791	ug/l	95
21) trans-1,2-Dichloroethene	2.41	96	149377	47.418	ug/l	100
22) Diisopropyl ether	2.91	45	487987	48.594	ug/l	98
23) Vinyl Acetate	3.31	43	919326	233.090	ug/l	100
24) 1,1-Dichloroethane	2.99	63	329628	50.613	ug/l	99
25) 2-Butanone	4.49	43	318607	232.894	ug/l	99
26) 2,2-Dichloropropane	3.74	77	177801	47.847	ug/l	99
27) cis-1,2-Dichloroethene	3.61	96	183123	44.248	ug/l	92
28) Bromochloromethane	3.87	49	115971	45.737	ug/l	91
29) Tetrahydrofuran	4.23	42	105869	211.324	ug/l	99
30) Chloroform	4.01	83	376713	47.938	ug/l	97
31) Cyclohexane	3.85	56	227841	41.417	ug/l	95
32) 1,1,1-Trichloroethane	4.25	97	294328	47.467	ug/l	97
36) 1,1-Dichloropropene	4.44	75	258971	44.335	ug/l	96
37) Ethyl Acetate	4.26	43	96338	38.978	ug/l #	72
38) Carbon Tetrachloride	4.15	117	274744	43.790	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	281051	44.394	ug/l	94
40) Benzene	4.79	78	567621	42.855	ug/l	100
41) Methacrylonitrile	4.89	41	54956	40.977	ug/l	91
42) 1,2-Dichloroethane	5.10	62	233539	47.904	ug/l	100
43) Isopropyl Acetate	7.09	43	126242	42.427	ug/l	96
44) Trichloroethene	5.66	130	184015	46.683	ug/l	97
45) 1,2-Dichloropropane	6.38	63	157928	46.072	ug/l	99
46) Dibromomethane	6.23	93	113856	46.467	ug/l	94
47) Bromodichloromethane	6.53	83	289289	49.129	ug/l	96
48) Methyl methacrylate	6.85	41	91432	43.775	ug/l	96
49) 1,4-Dioxane	6.84	88	17262	925.063	ug/l #	84
51) 4-Methyl-2-Pentanone	8.38	43	621713	271.097	ug/l	99
52) Toluene	7.76	92	379828	45.330	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	221489	46.632	ug/l	99
54) cis-1,3-Dichloropropene	7.44	75	262380	43.850	ug/l	100
55) 1,1,2-Trichloroethane	8.62	97	121660	47.838	ug/l	93
56) Ethyl methacrylate	8.74	69	153139	49.859	ug/l	91
57) 1,3-Dichloropropane	8.98	76	199977	47.490	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.76	63	62342	229.600	ug/l	100
59) 2-Hexanone	9.61	43	452735	277.265	ug/l	100
60) Dibromochloromethane	8.84	129	180672	47.665	ug/l	91
61) 1,2-Dibromoethane	9.12	107	131580	46.462	ug/l	99
64) Tetrachloroethene	8.29	164	164616	44.593	ug/l	95
65) Chlorobenzene	9.93	112	437687	47.423	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	186866	48.788	ug/l	96
67) Ethyl Benzene	10.03	91	800511	46.911	ug/l	97
68) m/p-Xylenes	10.25	106	553882	93.948	ug/l	97
69) o-Xylene	10.81	106	327549	49.533	ug/l	94
70) Styrene	10.88	104	453746	48.656	ug/l	96
71) Bromoform	10.87	173	100855	47.946	ug/l	96
73) Isopropylbenzene	11.22	105	928946	46.445	ug/l	97
74) N-amyl acetate	11.46	43	207956	48.757	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	171467	48.373	ug/l	94
76) 1,2,3-Trichloropropane	11.87	75	117521	46.304	ug/l	84
77) Bromobenzene	11.58	156	194558	45.136	ug/l	96
78) n-propylbenzene	11.67	91	1102506	57.122	ug/l	98
79) 2-Chlorotoluene	11.80	91	622853	46.165	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	782555	48.605	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	78612	58.610	ug/l	98
82) 4-Chlorotoluene	11.98	91	639145	47.132	ug/l	98
83) tert-Butylbenzene	12.20	119	775943	47.542	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	762974	46.669	ug/l	96
85) sec-Butylbenzene	12.38	105	1073199	57.771	ug/l	99
86) p-Isopropyltoluene	12.53	119	834594	55.899	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	359555	44.639	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	364441	45.776	ug/l	96
89) n-Butylbenzene	12.90	91	880893	52.279	ug/l	99
90) Hexachloroethane	12.98	117	227891	49.899	ug/l	97
91) 1,2-Dichlorobenzene	13.01	146	362722	47.206	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	31072	46.689	ug/l	95

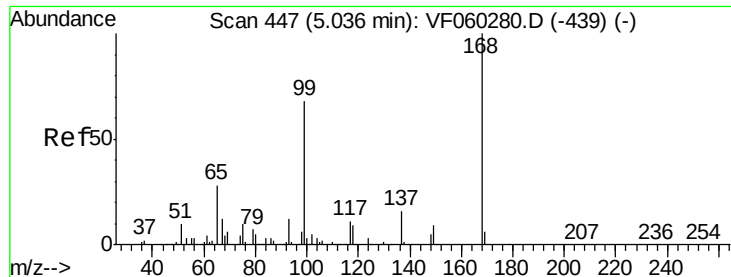
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	258687	46.319	ug/l	98
94) Hexachlorobutadiene	14.25	225	184108	48.765	ug/l	97
95) Naphthalene	14.51	128	506018	51.678	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	259790	50.341	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. -0.02 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

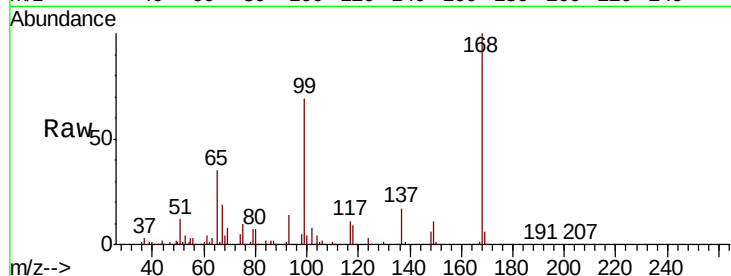
VSTDCCC050

Tgt Ion: 168 Resp: 268023

Ion Ratio Lower Upper

168 100

99 68.7 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

100000

80000

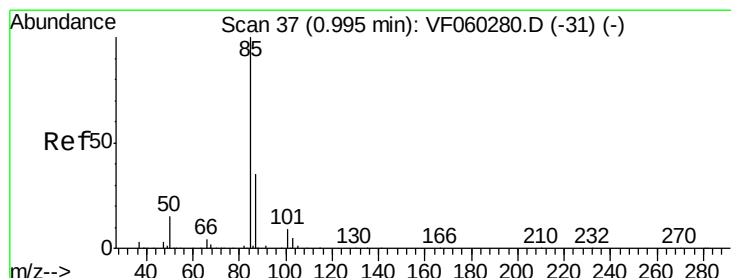
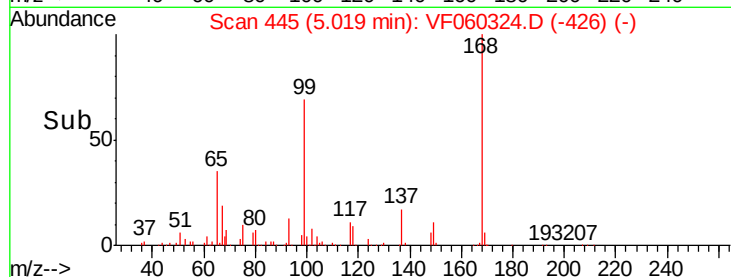
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.498 ug/l

RT: 0.99 min Scan# 36

Delta R.T. -0.01 min

Lab File: VF060324.D

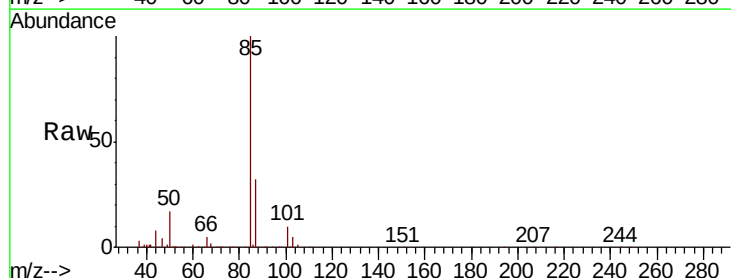
Acq: 25 Sep 2018 13:58

Tgt Ion: 85 Resp: 209669

Ion Ratio Lower Upper

85 100

87 32.1 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

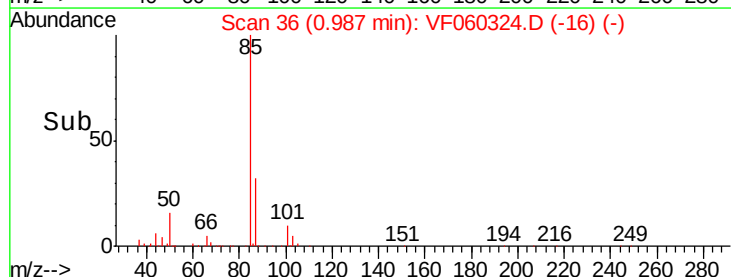
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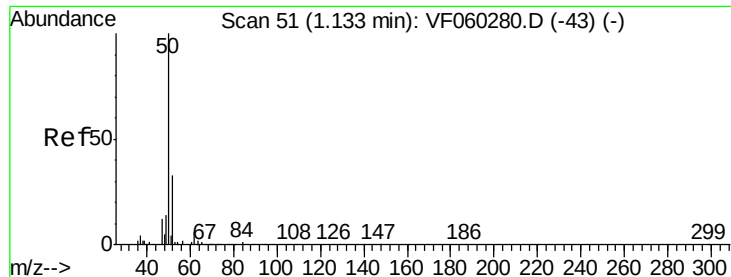
40000

20000

0

Time-->





#3

Chloromethane

Concen: 43.635 ug/l

RT: 1.13 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

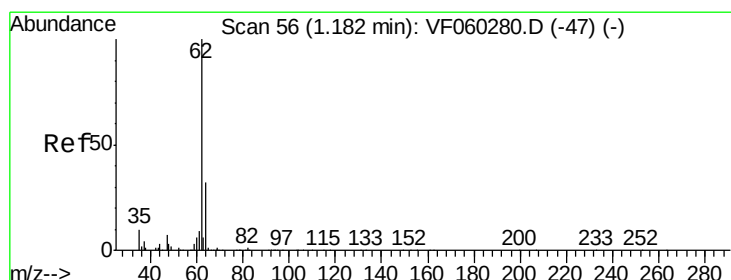
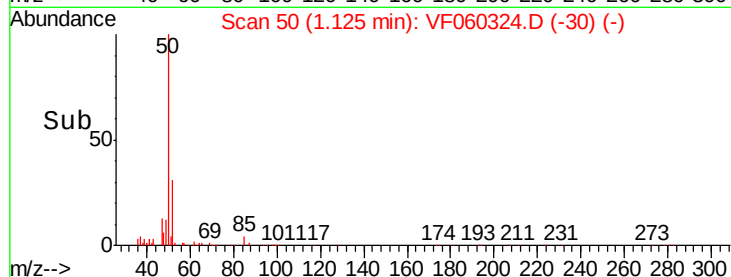
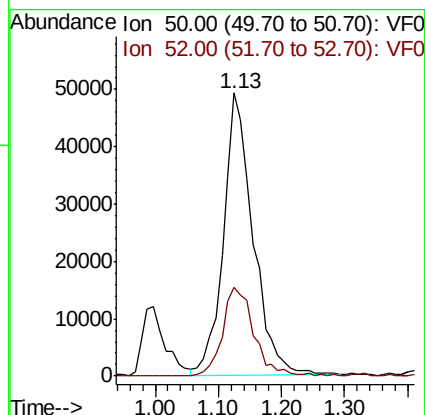
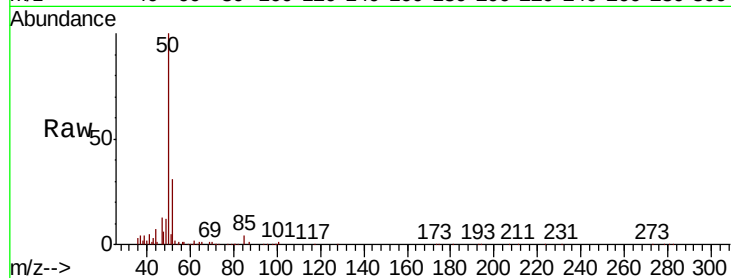
VSTDCCC050

Tgt Ion: 50 Resp: 159374

Ion Ratio Lower Upper

50 100

52 31.4 26.5 39.7



#4

Vinyl Chloride

Concen: 44.186 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060324.D

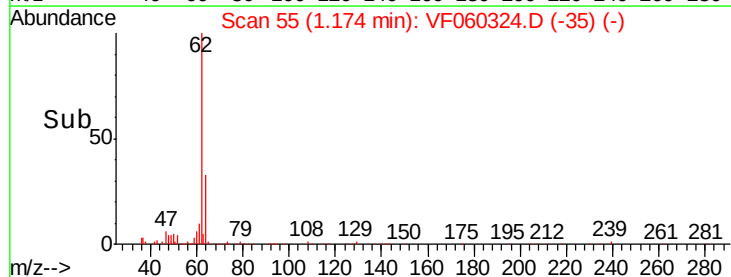
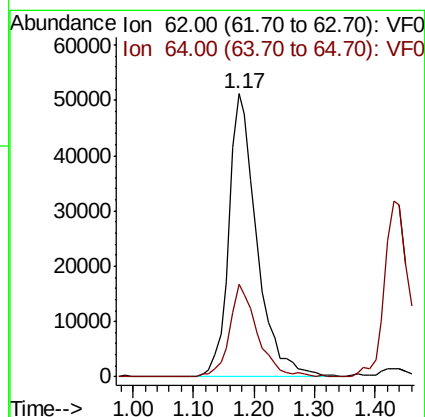
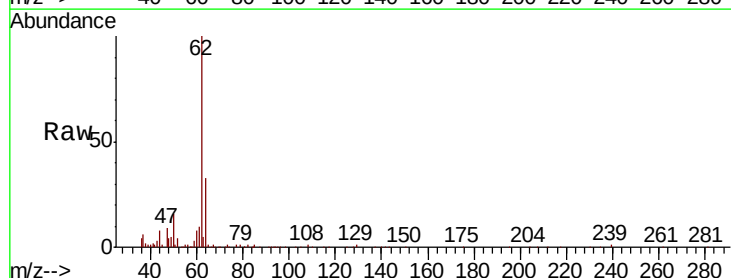
Acq: 25 Sep 2018 13:58

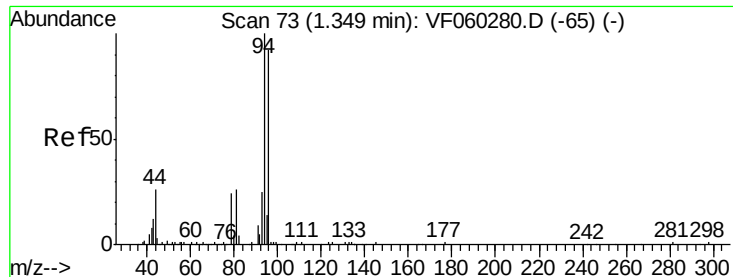
Tgt Ion: 62 Resp: 164476

Ion Ratio Lower Upper

62 100

64 32.8 25.2 37.8





#5

Bromomethane

Concen: 57.613 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

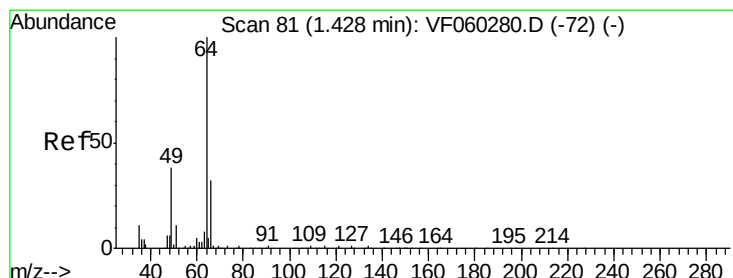
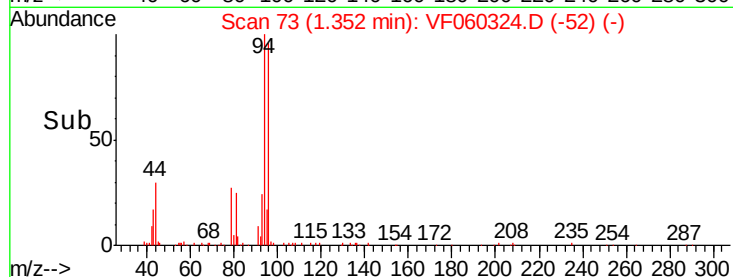
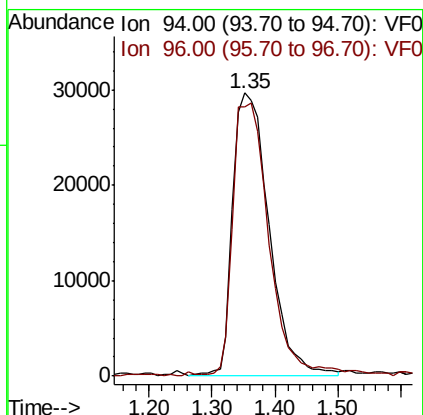
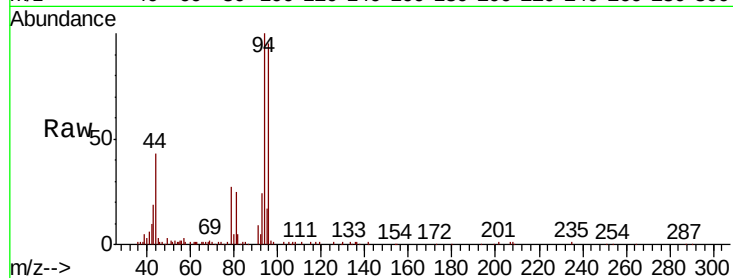
VSTDCCC050

Tgt Ion: 94 Resp: 118723

Ion Ratio Lower Upper

94 100

96 95.2 73.9 110.9



#6

Chloroethane

Concen: 51.724 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF060324.D

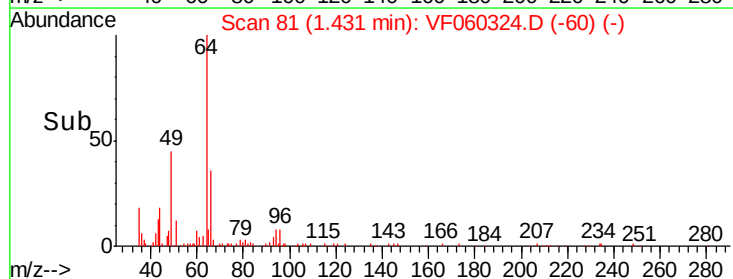
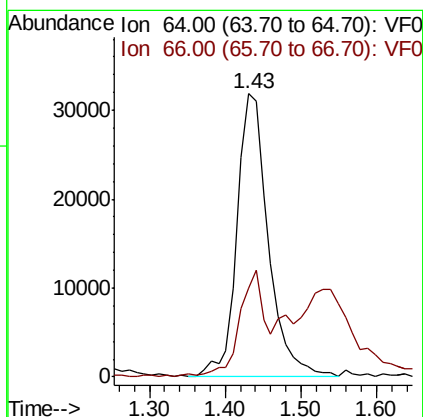
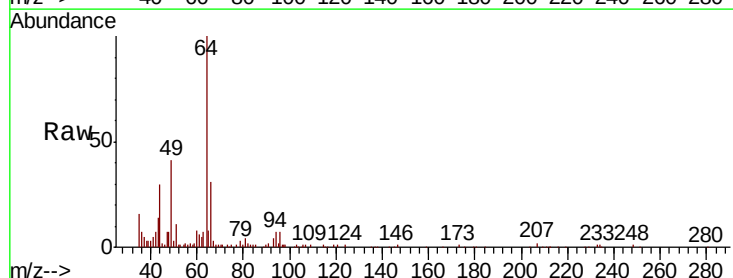
Acq: 25 Sep 2018 13:58

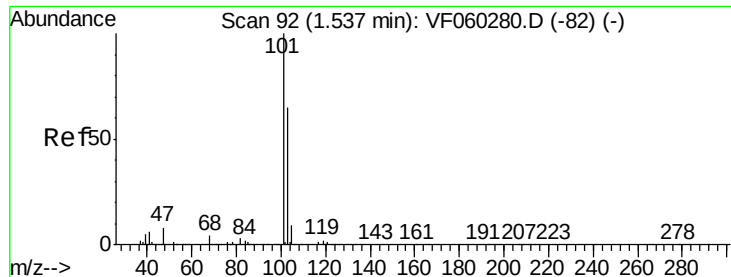
Tgt Ion: 64 Resp: 91694

Ion Ratio Lower Upper

64 100

66 31.2 26.2 39.2





#7

Trichlorofluoromethane

Concen: 53.027 ug/l

RT: 1.54 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

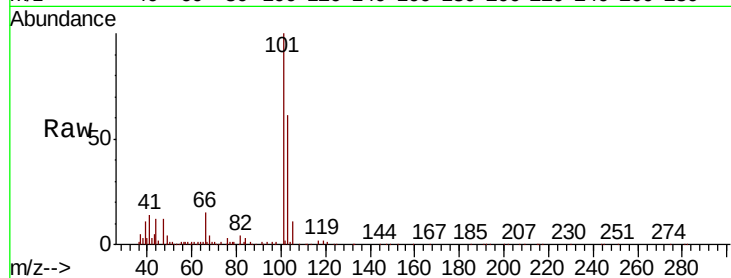
VSTDCCC050

Tgt Ion:101 Resp: 367731

Ion Ratio Lower Upper

101 100

103 61.4 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.54

80000

60000

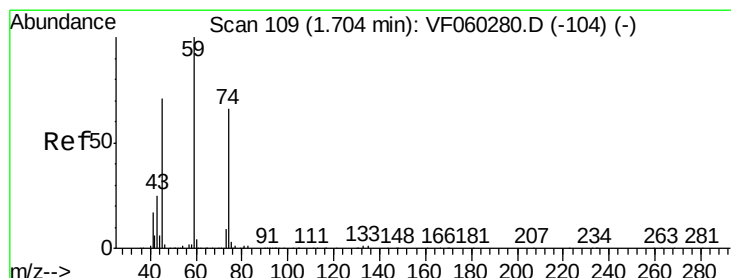
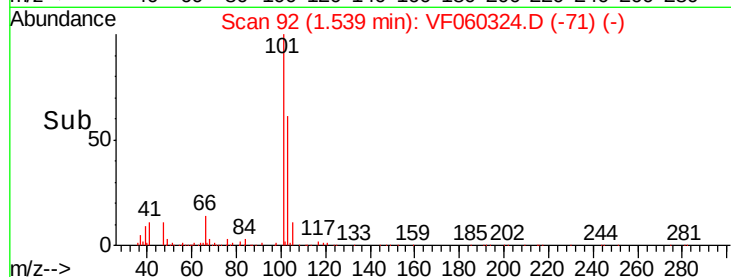
40000

20000

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Time-->

1.30 1.40 1.50 1.60 1.70



#8

Diethyl Ether

Concen: 47.388 ug/l

RT: 1.70 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060324.D

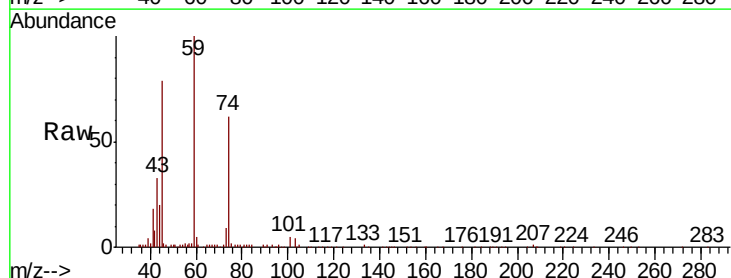
Acq: 25 Sep 2018 13:58

Tgt Ion: 74 Resp: 54674

Ion Ratio Lower Upper

74 100

45 127.7 53.9 161.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.70

40000

30000

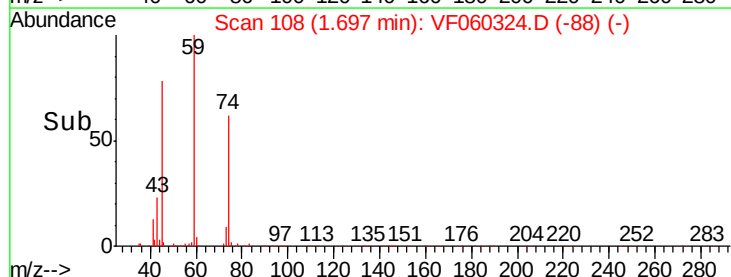
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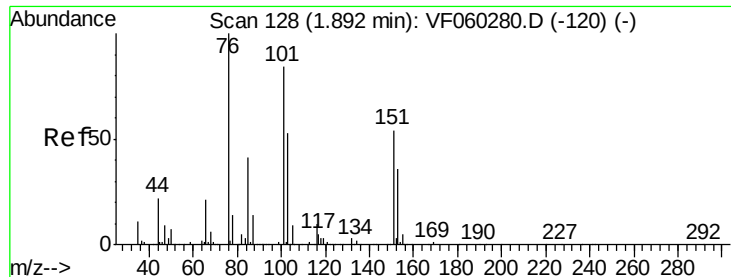
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Time-->

1.60 1.70 1.80





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.633 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.00 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

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ClientSampleId :

VSTDCCC050

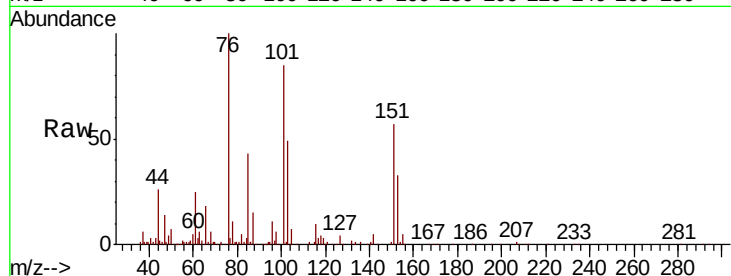
Tgt Ion:101 Resp: 183051

Ion Ratio Lower Upper

101 100

85 49.9 38.7 58.1

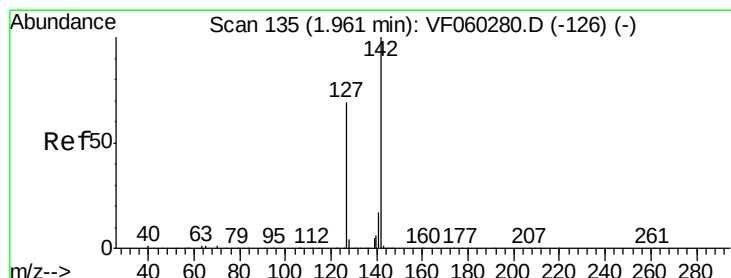
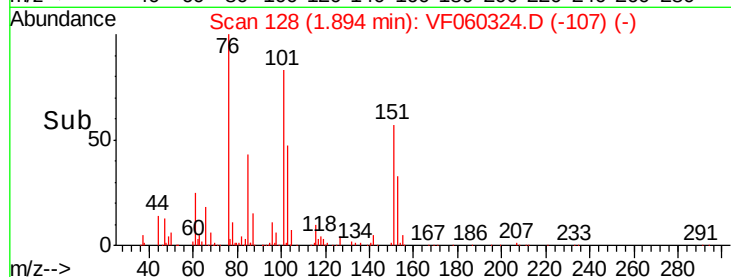
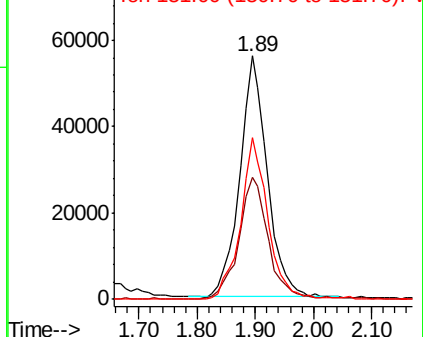
151 66.6 50.8 76.2



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: 36.293 ug/l

RT: 1.96 min Scan# 135

Delta R.T. 0.00 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

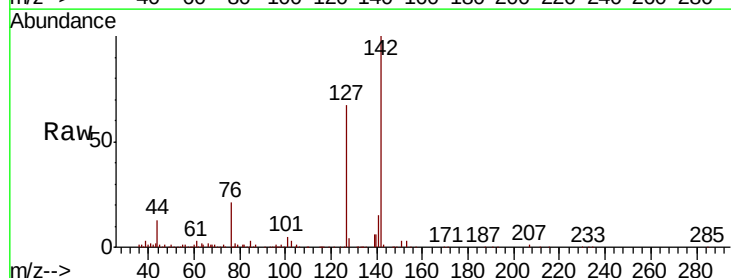
Tgt Ion:142 Resp: 215846

Ion Ratio Lower Upper

142 100

127 66.5 55.4 83.0

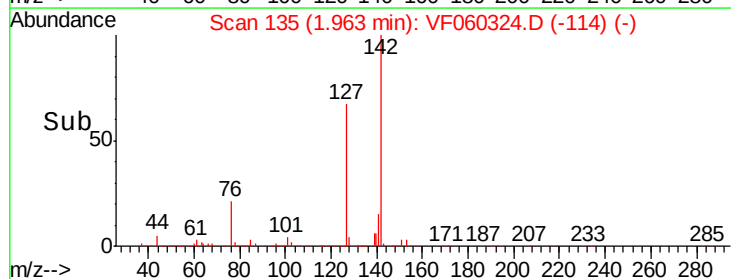
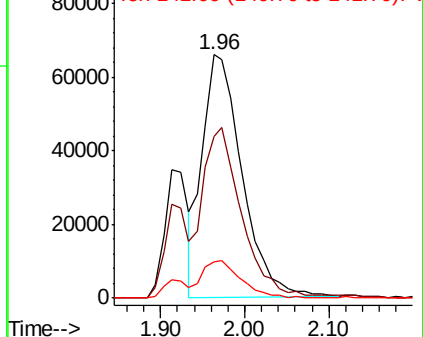
141 14.8 13.3 19.9

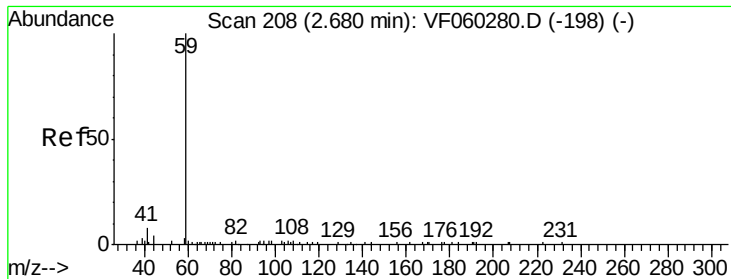


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



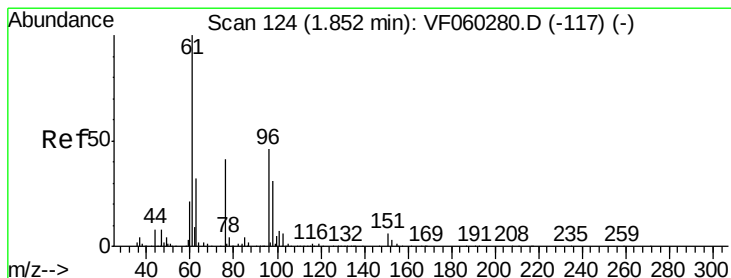
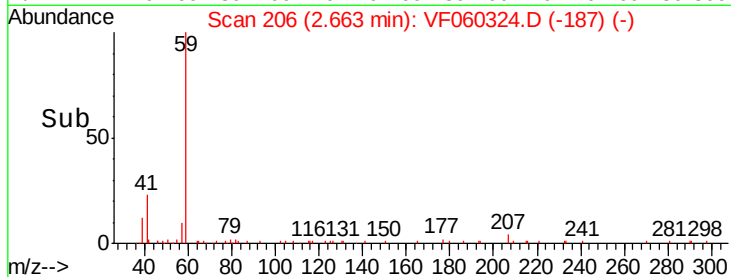
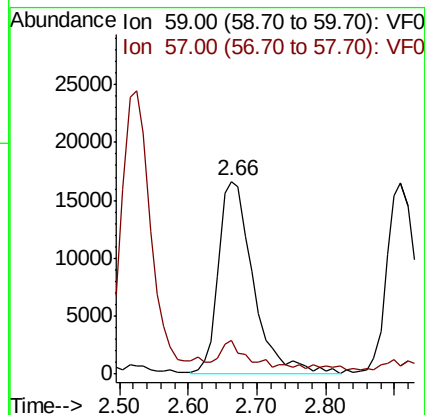
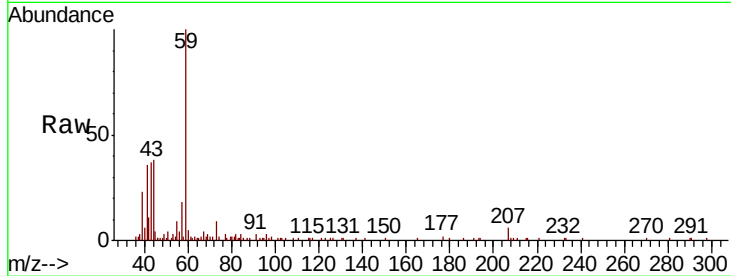


#11

Tert butyl alcohol
 Concen: 293.696 ug/l
 RT: 2.66 min Scan# 206
 Delta R.T. -0.02 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

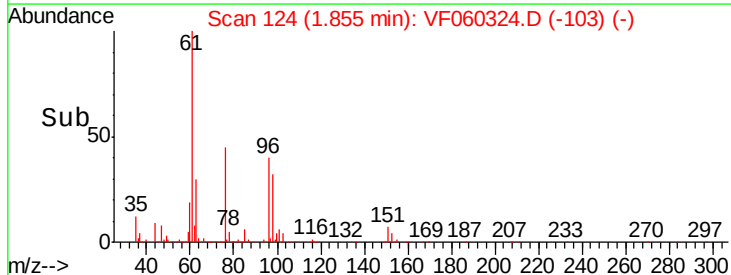
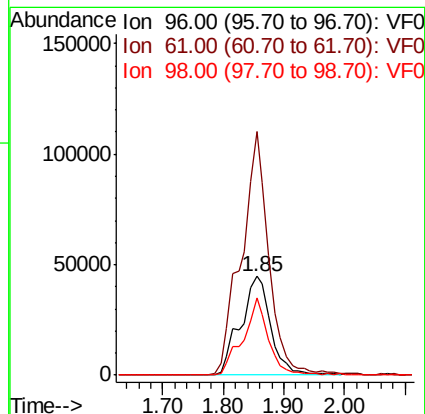
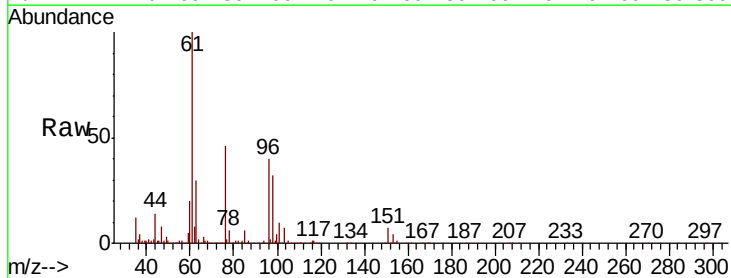
Tgt Ion: 59 Resp: 58567
 Ion Ratio Lower Upper
 59 100
 57 17.5 12.4 18.6

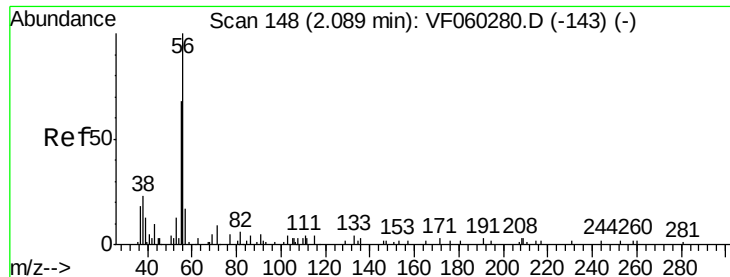


#12

1,1-Dichloroethene
 Concen: 50.426 ug/l
 RT: 1.85 min Scan# 124
 Delta R.T. 0.00 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

Tgt Ion: 96 Resp: 153802
 Ion Ratio Lower Upper
 96 100
 61 247.3 172.2 258.2
 98 78.1 54.1 81.1





#13

Acrolein

Concen: 289.690 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

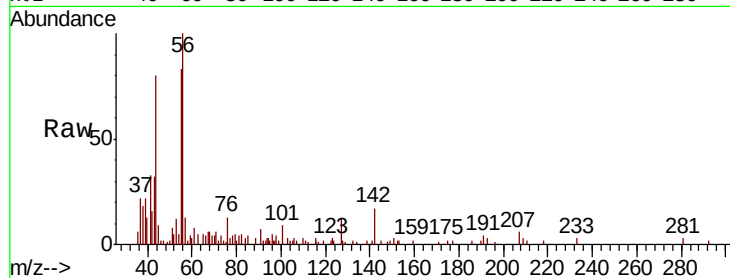
VSTDCCC050

Tgt Ion: 56 Resp: 18503

Ion Ratio Lower Upper

56 100

55 83.3 69.9 104.9



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.08

8000

6000

4000

2000

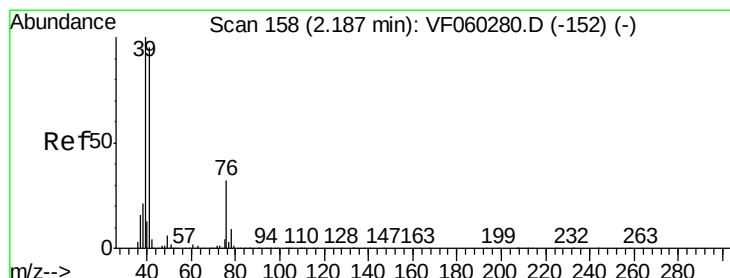
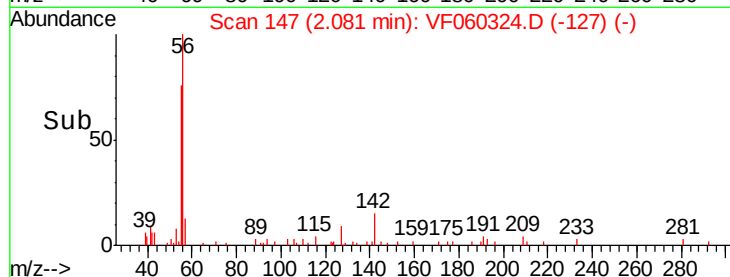
0

Time-->

2.00

2.10

2.20



#14

Allyl chloride

Concen: 47.225 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

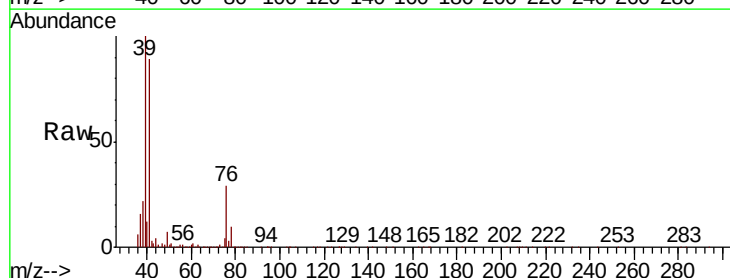
Tgt Ion: 41 Resp: 251357

Ion Ratio Lower Upper

41 100

39 111.8 84.8 127.2

76 32.1 27.4 41.2



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

150000

100000

50000

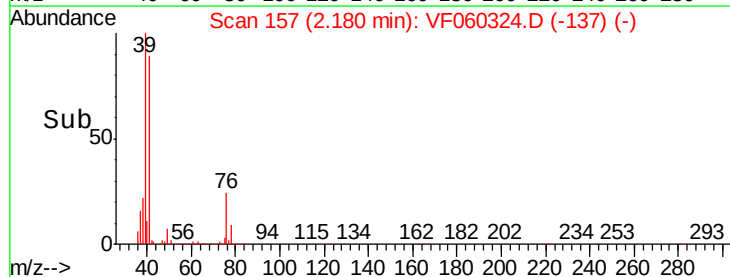
0

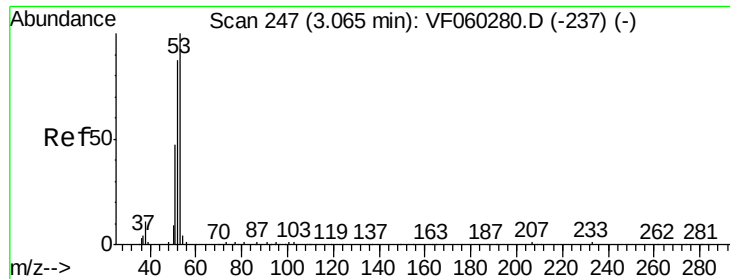
Time-->

2.10

2.20

2.30





#15

Acrylonitrile

Concen: 267.559 ug/l

RT: 3.06 min Scan# 246

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

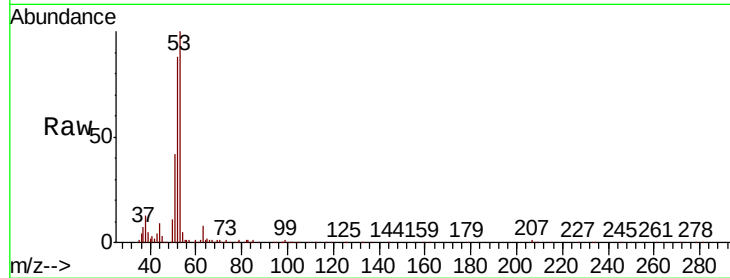
MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 136379

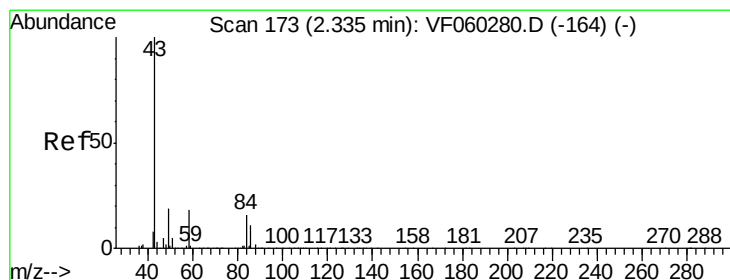
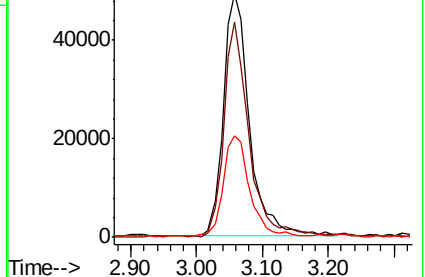
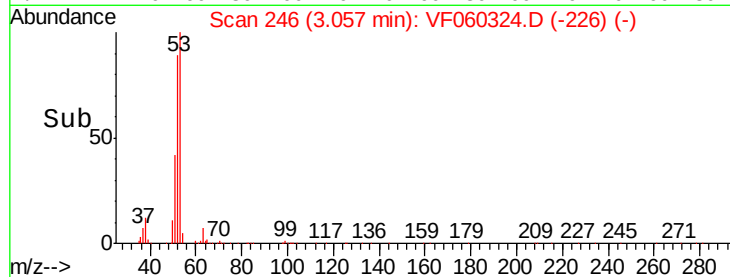
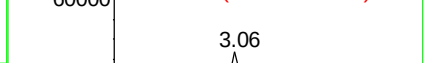
Ion	Ratio	Lower	Upper
53	100		
52	88.5	69.5	104.3
51	41.8	38.1	57.1



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: 271.513 ug/l

RT: 2.33 min Scan# 172

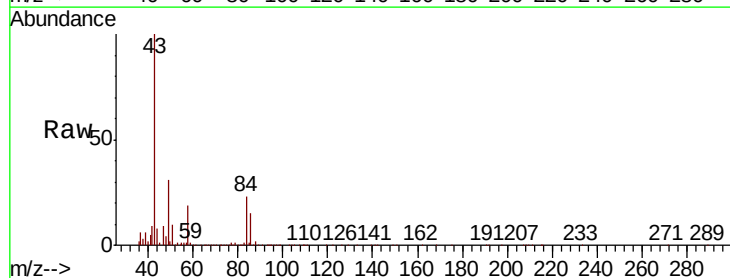
Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

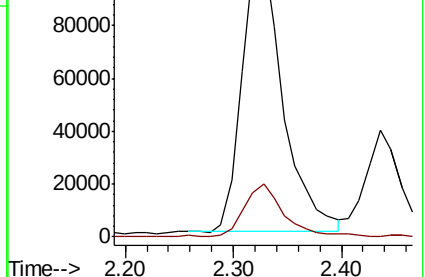
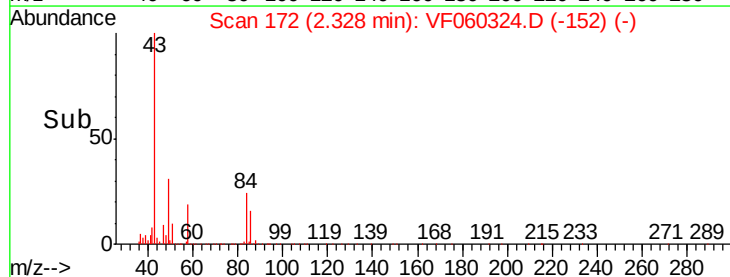
Tgt Ion: 43 Resp: 275960

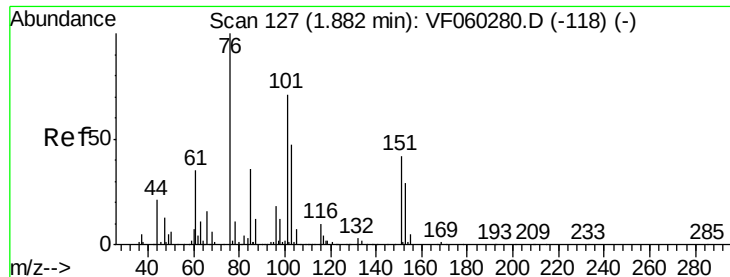
Ion	Ratio	Lower	Upper
43	100		
58	18.9	14.5	21.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 52.700 ug/l

RT: 1.87 min Scan# 126

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

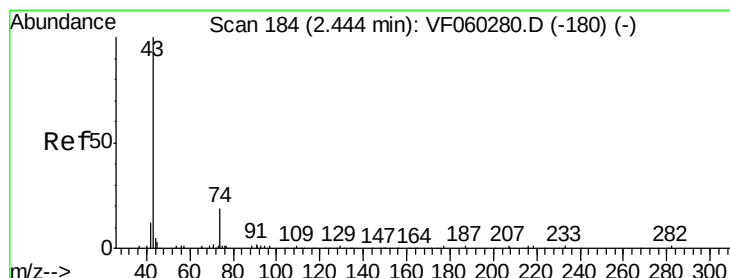
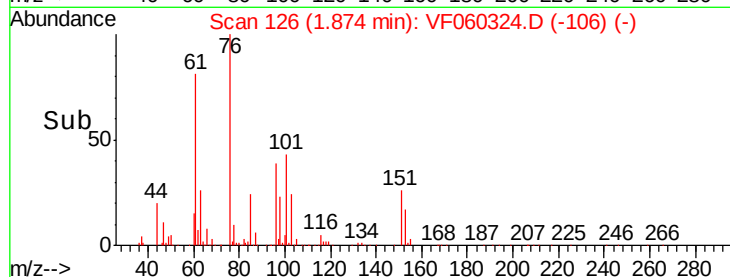
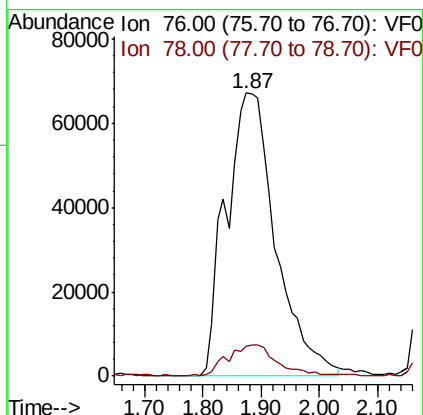
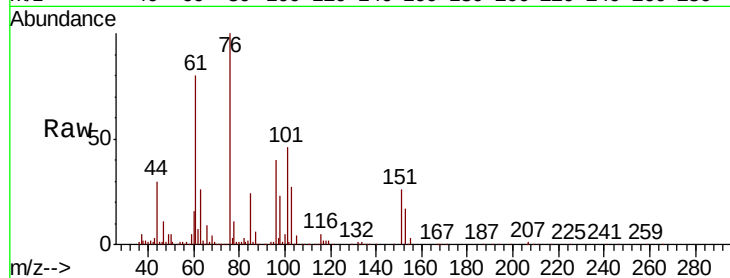
VSTDCCC050

Tgt Ion: 76 Resp: 401305

Ion Ratio Lower Upper

76 100

78 10.5 9.4 14.0



#18

Methyl Acetate

Concen: 50.307 ug/l

RT: 2.44 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF060324.D

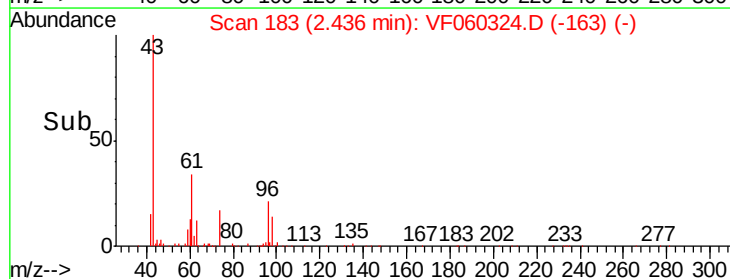
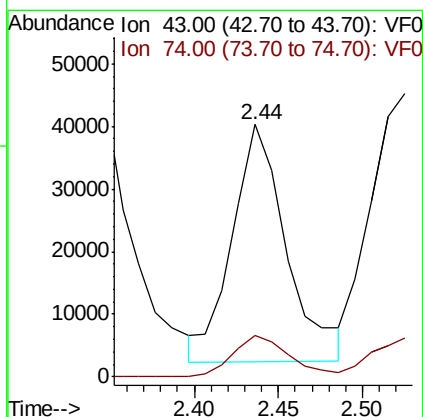
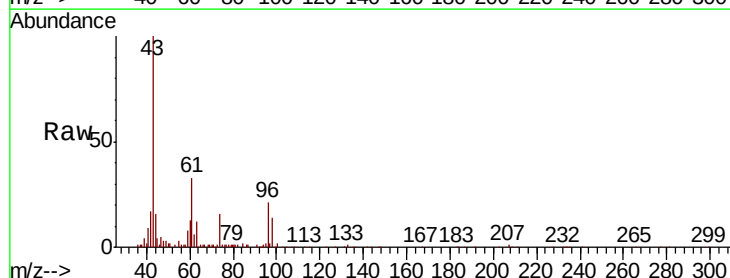
Acq: 25 Sep 2018 13:58

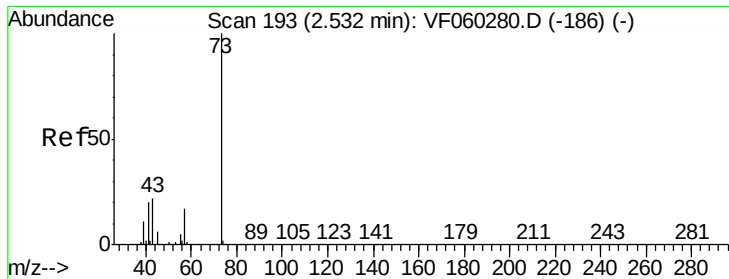
Tgt Ion: 43 Resp: 85180

Ion Ratio Lower Upper

43 100

74 16.4 12.7 19.1



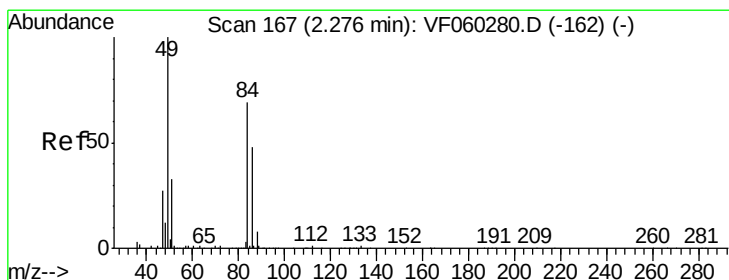
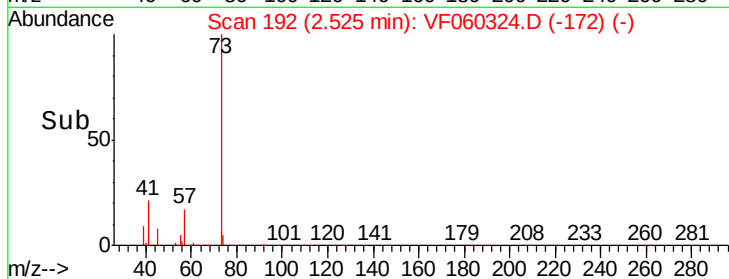
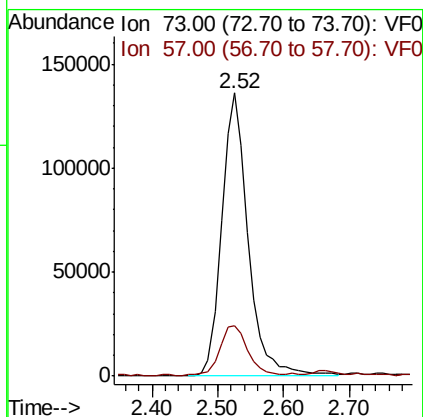
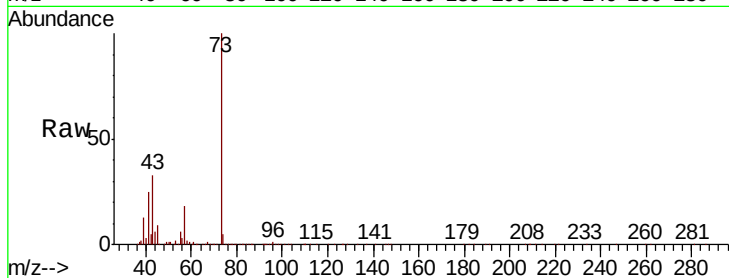


#19

Methyl tert-butyl Ether
 Concen: 49.774 ug/l
 RT: 2.52 min Scan# 192
 Delta R.T. -0.01 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

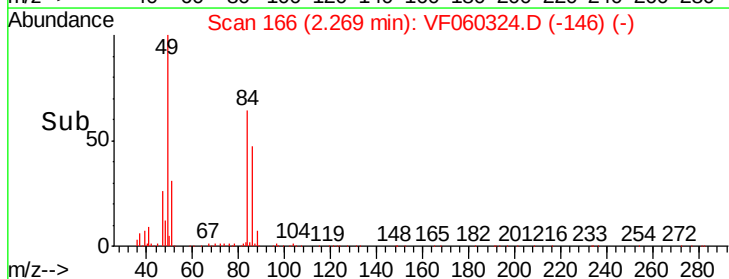
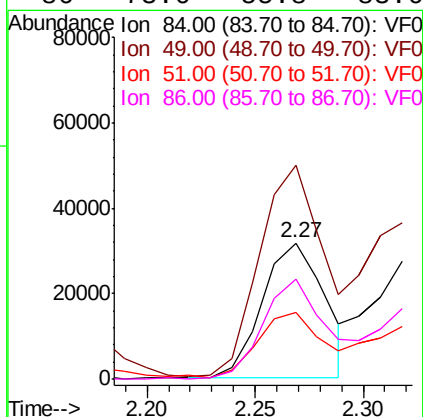
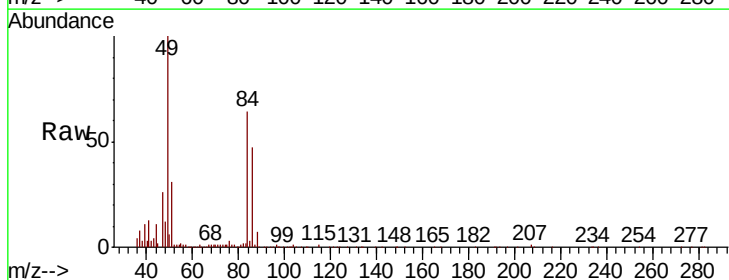
Tgt Ion: 73 Resp: 378463
 Ion Ratio Lower Upper
 73 100
 57 18.0 14.5 21.7

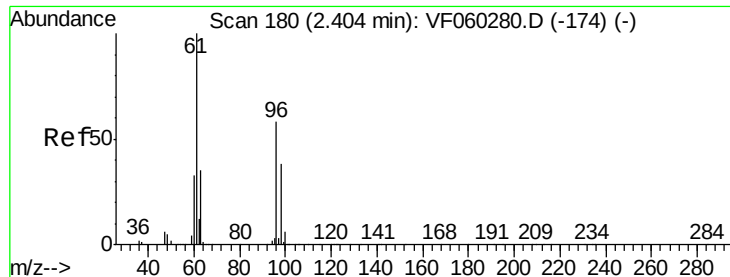


#20

Methylene Chloride
 Concen: 18.791 ug/l
 RT: 2.27 min Scan# 166
 Delta R.T. -0.01 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

Tgt Ion: 84 Resp: 64321
 Ion Ratio Lower Upper
 84 100
 49 156.9 118.3 177.5
 51 48.7 38.7 58.1
 86 73.6 55.8 83.6





#21

trans-1,2-Dichloroethene

Concen: 47.418 ug/l

RT: 2.41 min Scan# 180

Delta R.T. 0.00 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

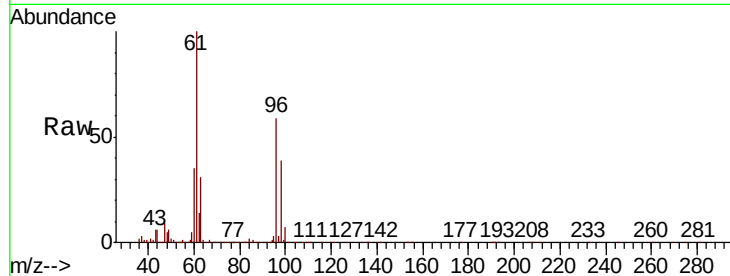
Tgt Ion: 96 Resp: 149377

Ion Ratio Lower Upper

96 100

61 170.5 136.4 204.6

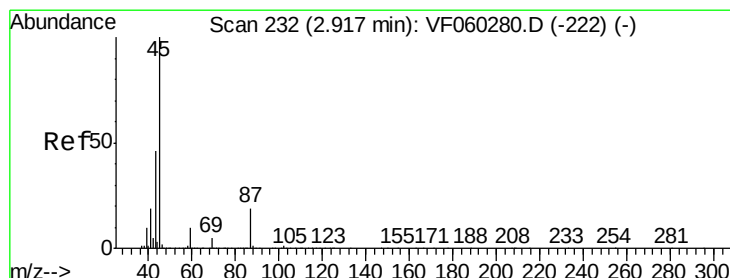
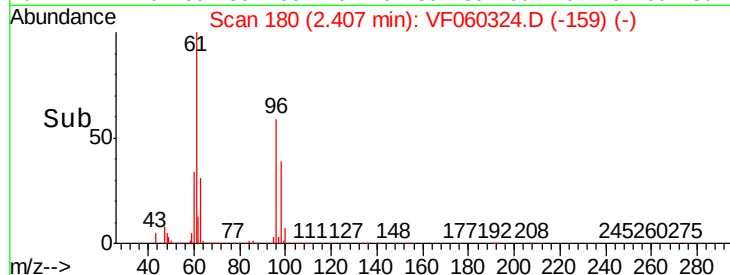
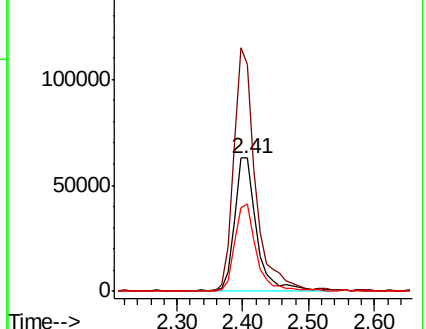
98 65.8 51.8 77.6



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: 48.594 ug/l

RT: 2.91 min Scan# 231

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Tgt Ion: 45 Resp: 487987

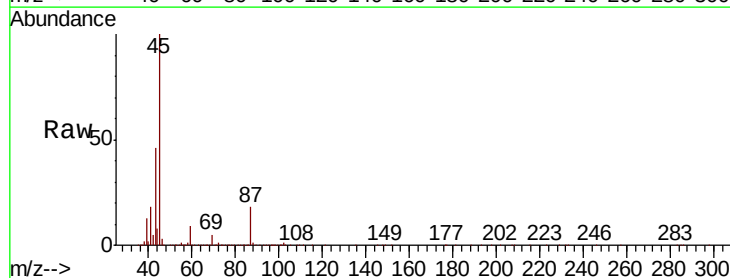
Ion Ratio Lower Upper

45 100

43 46.5 38.2 57.2

87 17.9 15.5 23.3

59 9.3 7.7 11.5

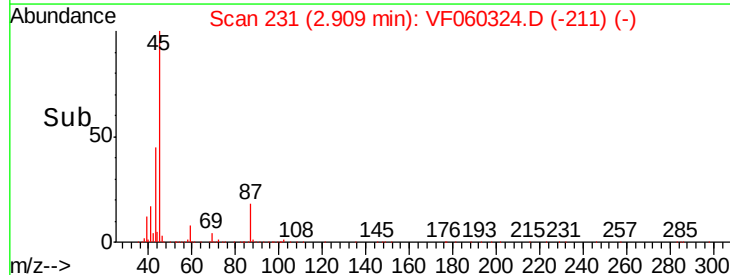
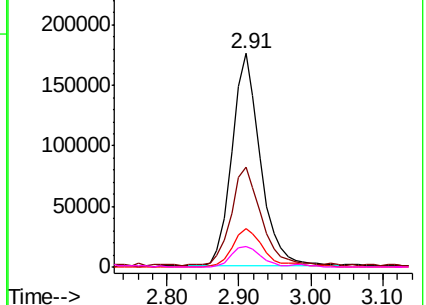


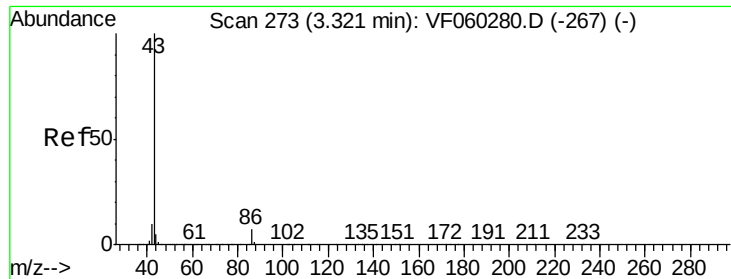
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 233.090 ug/l

RT: 3.31 min Scan# 272

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

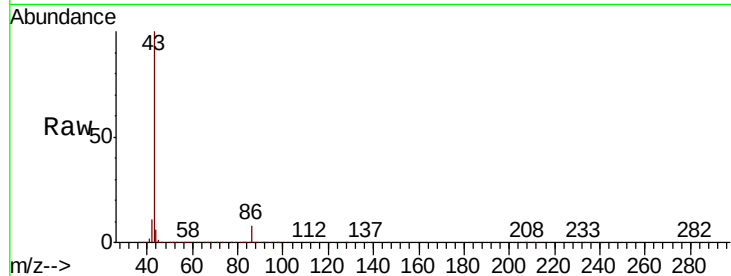
VSTDCCC050

Tgt Ion: 43 Resp: 919326

Ion Ratio Lower Upper

43 100

86 7.5 5.9 8.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.31

400000

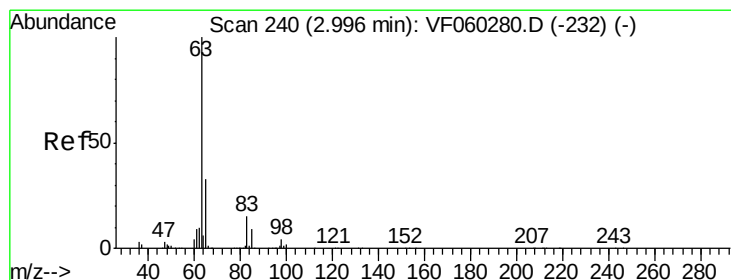
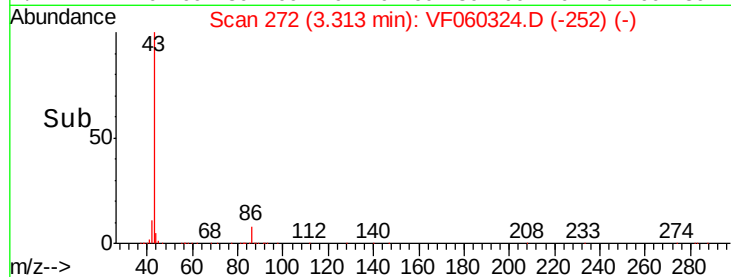
300000

200000

100000

0

Time--> 3.10 3.20 3.30 3.40 3.50



#24

1,1-Dichloroethane

Concen: 50.613 ug/l

RT: 2.99 min Scan# 239

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

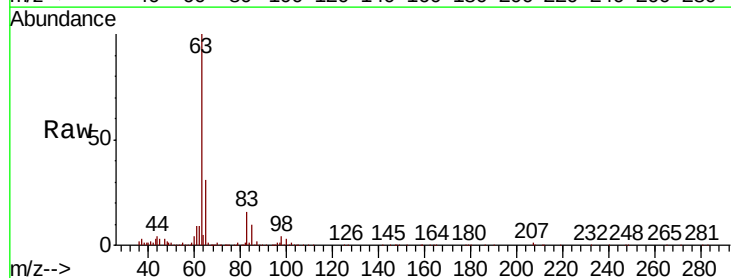
Tgt Ion: 63 Resp: 329628

Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.5

100 2.8 1.1 3.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

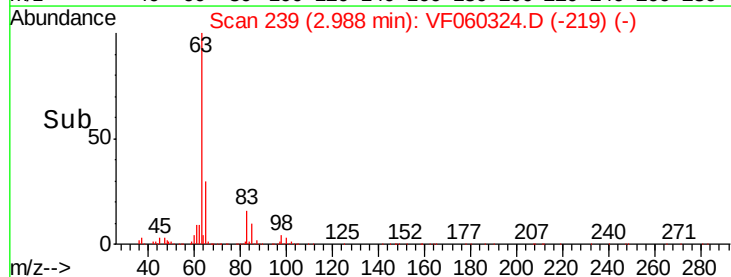
150000

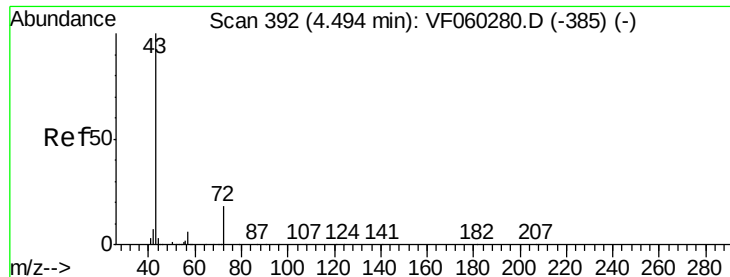
100000

50000

0

Time--> 2.80 2.90 3.00 3.10 3.20





#25

2-Butanone

Concen: 232.894 ug/l

RT: 4.49 min Scan# 391

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

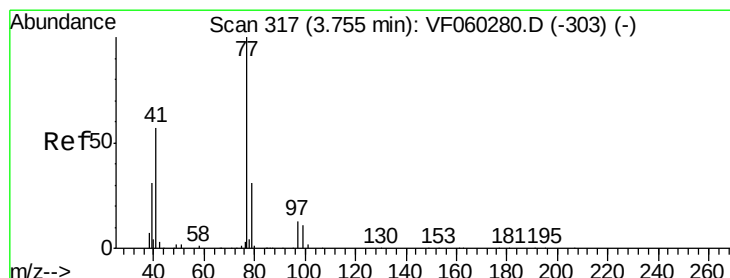
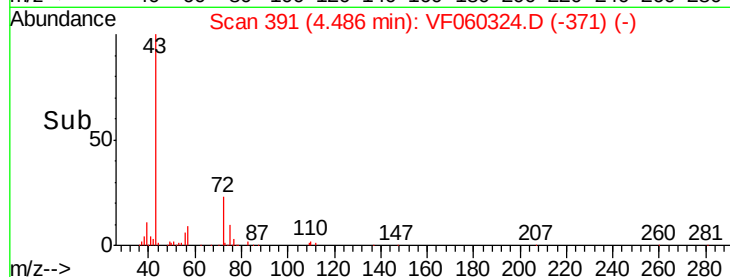
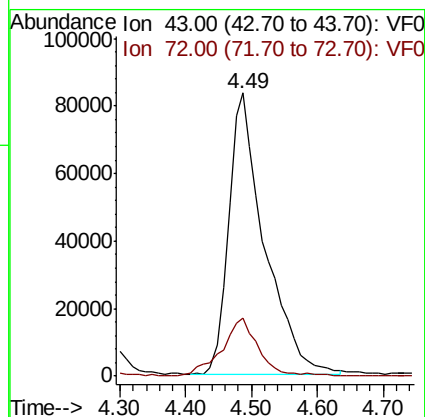
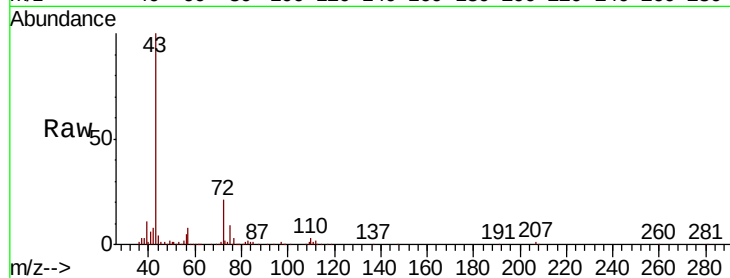
VSTDCCC050

Tgt Ion: 43 Resp: 318607

Ion Ratio Lower Upper

43 100

72 20.6 16.2 24.2



#26

2,2-Dichloropropane

Concen: 47.847 ug/l

RT: 3.74 min Scan# 315

Delta R.T. -0.02 min

Lab File: VF060324.D

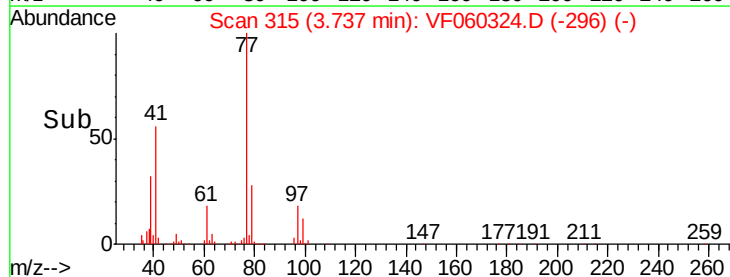
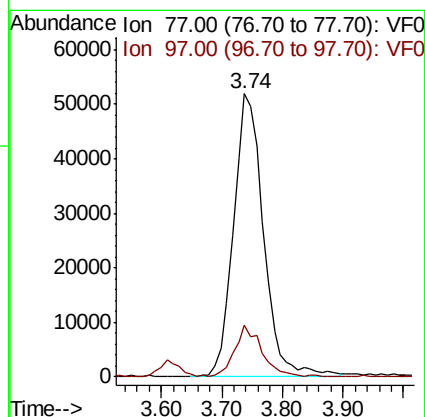
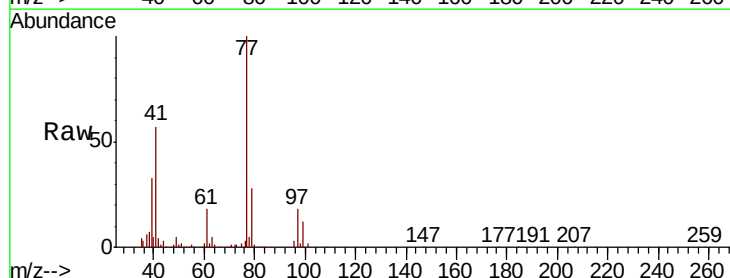
Acq: 25 Sep 2018 13:58

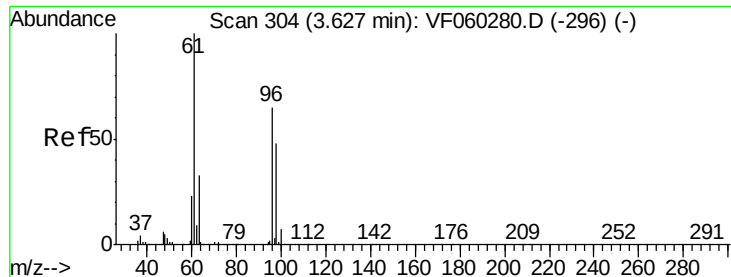
Tgt Ion: 77 Resp: 177801

Ion Ratio Lower Upper

77 100

97 18.3 9.3 27.9



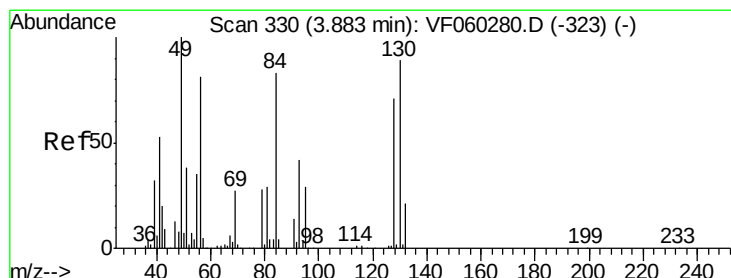
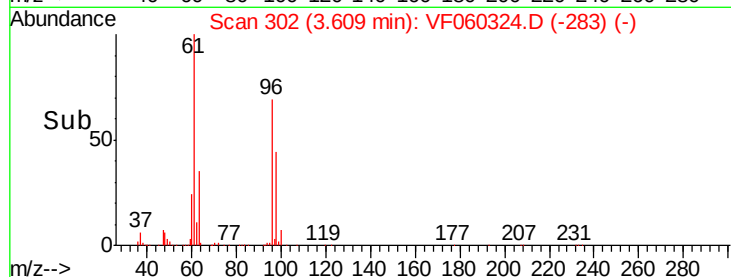
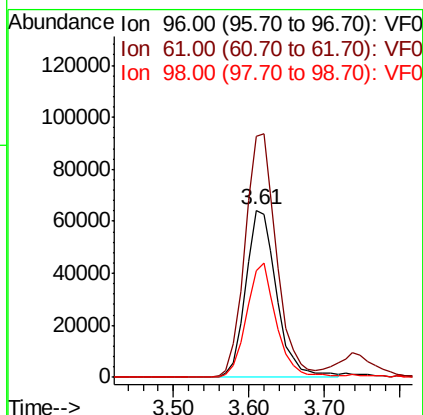
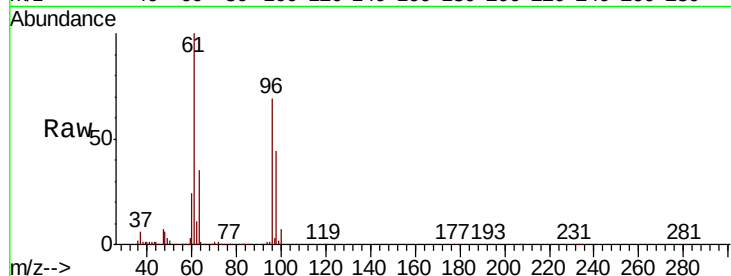


#27

cis-1,2-Dichloroethene
Concen: 44.248 ug/l
RT: 3.61 min Scan# 302
Delta R.T. -0.02 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

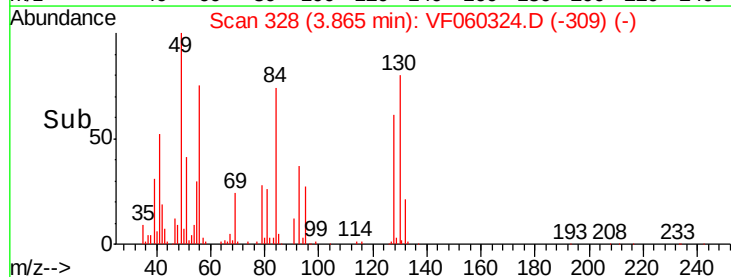
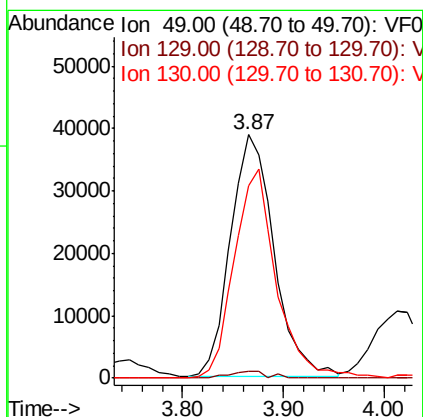
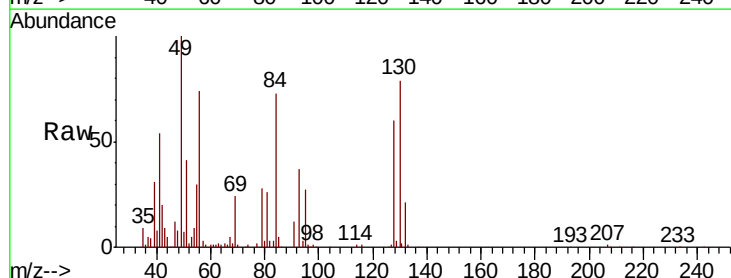
Tgt Ion: 96 Resp: 183123
Ion Ratio Lower Upper
96 100
61 144.0 0.0 304.8
98 64.0 0.0 146.4

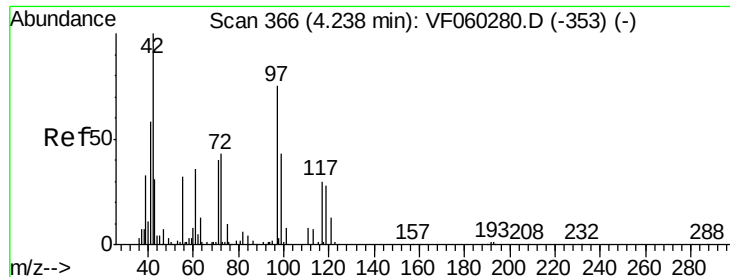


#28

Bromochloromethane
Concen: 45.737 ug/l
RT: 3.87 min Scan# 328
Delta R.T. -0.02 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Tgt Ion: 49 Resp: 115971
Ion Ratio Lower Upper
49 100
129 2.6 0.0 4.2
130 79.2 70.3 105.5





#29

Tetrahydrofuran

Concen: 211.324 ug/l

RT: 4.23 min Scan# 365

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

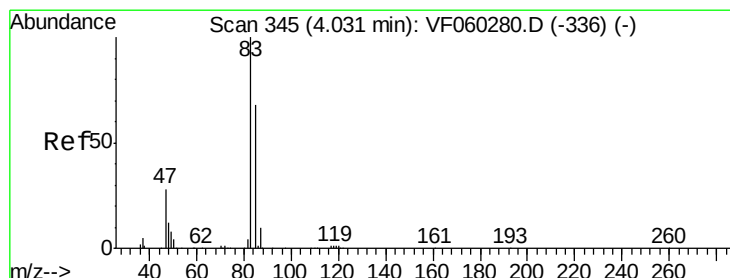
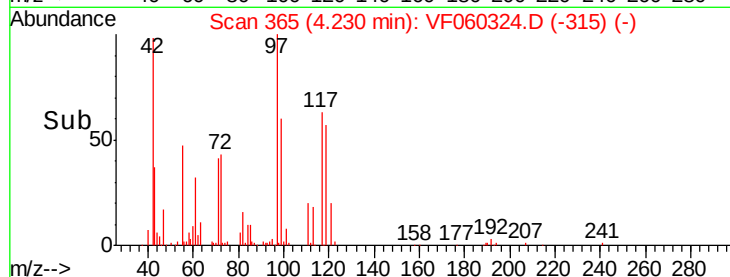
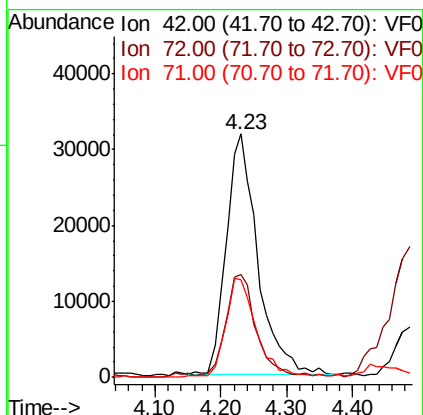
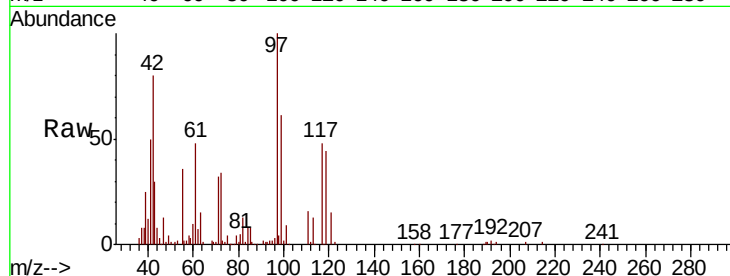
Tgt Ion: 42 Resp: 105869

Ion Ratio Lower Upper

42 100

72 41.4 32.6 49.0

71 40.9 32.7 49.1



#30

Chloroform

Concen: 47.938 ug/l

RT: 4.01 min Scan# 343

Delta R.T. -0.02 min

Lab File: VF060324.D

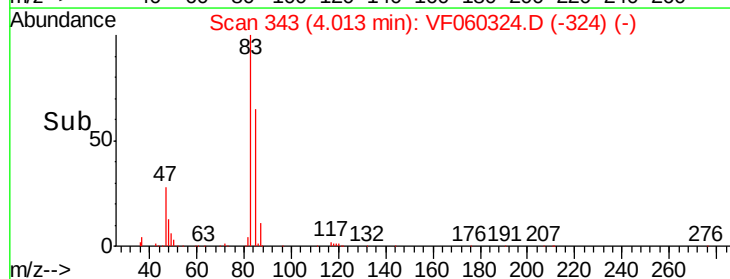
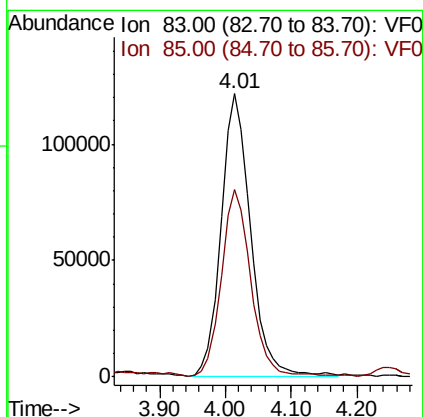
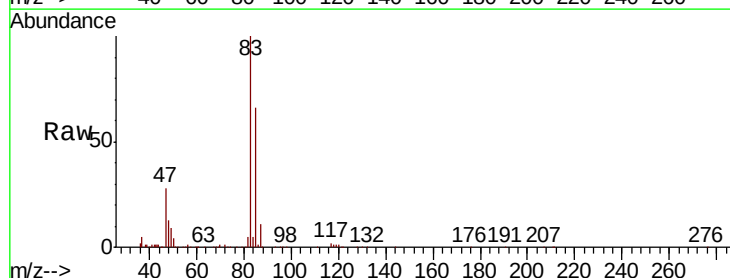
Acq: 25 Sep 2018 13:58

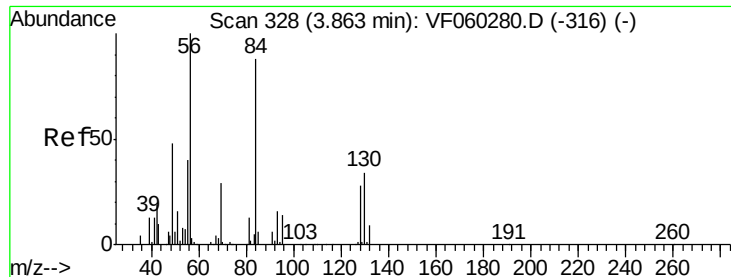
Tgt Ion: 83 Resp: 376713

Ion Ratio Lower Upper

83 100

85 66.1 54.9 82.3

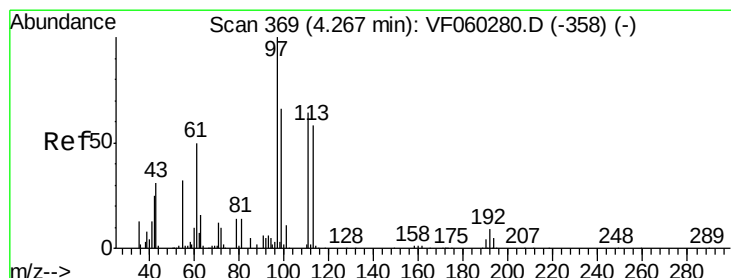
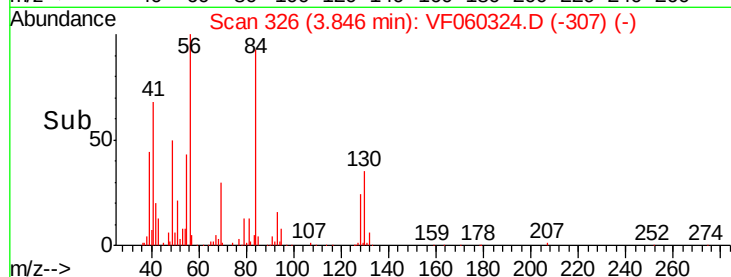
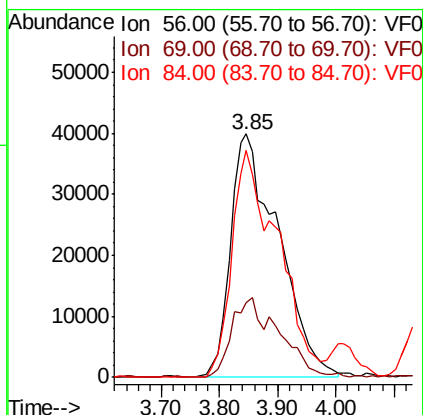
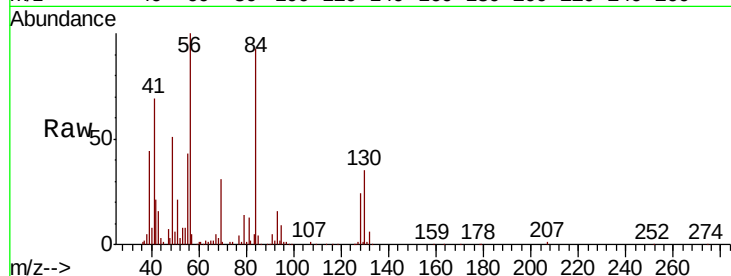




#31
Cyclohexane
Concen: 41.417 ug/l
RT: 3.85 min Scan# 326
Delta R.T. -0.02 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

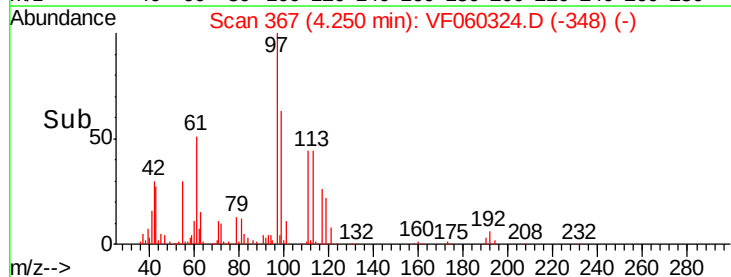
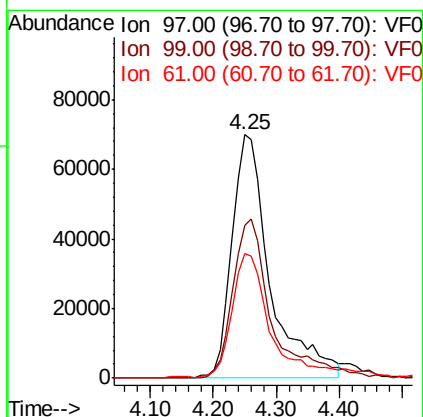
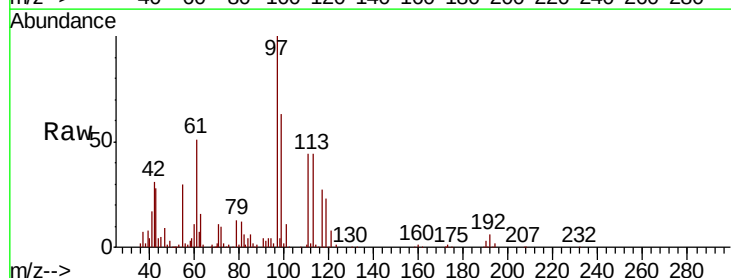
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

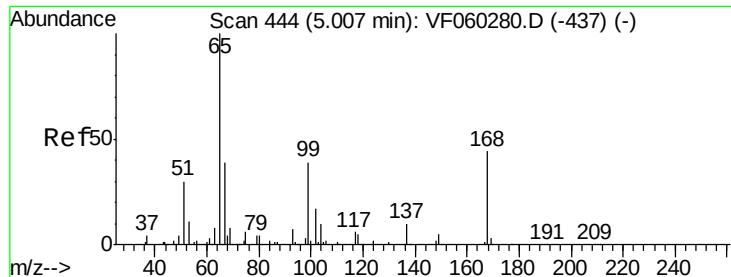
Tgt Ion: 56 Resp: 227841
Ion Ratio Lower Upper
56 100
69 30.7 23.8 35.6
84 93.2 70.2 105.4



#32
1,1,1-Trichloroethane
Concen: 47.467 ug/l
RT: 4.25 min Scan# 367
Delta R.T. -0.02 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Tgt Ion: 97 Resp: 294328
Ion Ratio Lower Upper
97 100
99 63.0 53.0 79.4
61 51.4 40.6 61.0

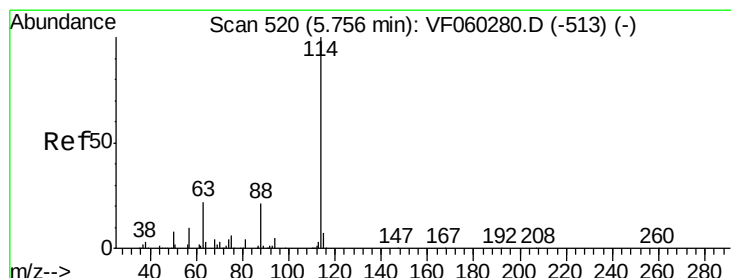
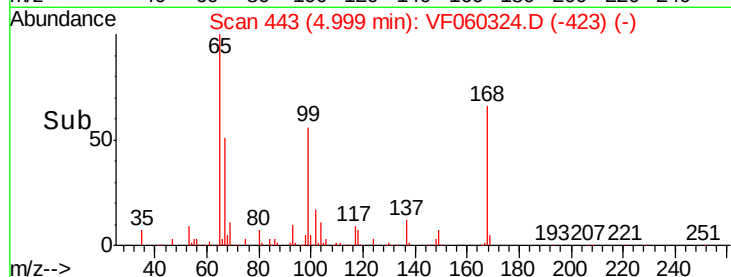
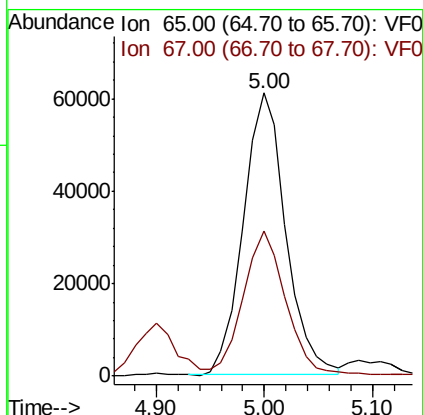
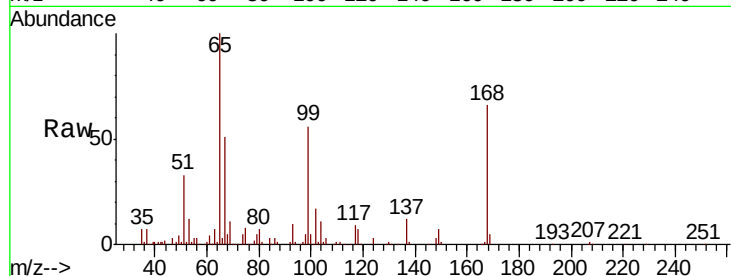




#33
 1,2-Dichloroethane-d4
 Concen: 46.228 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. -0.01 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

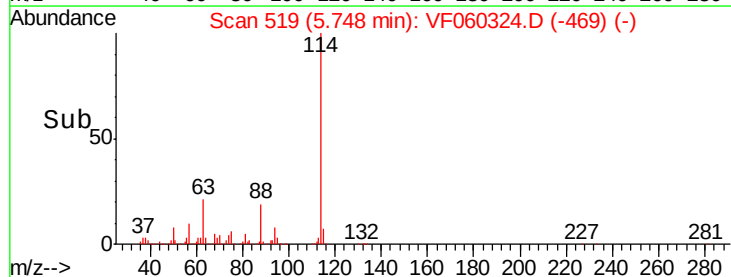
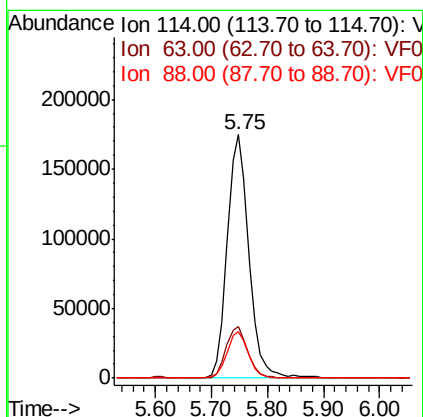
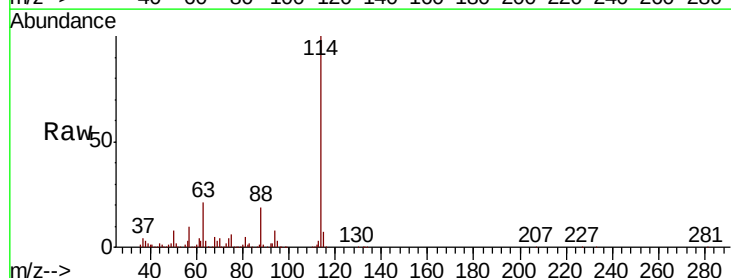
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

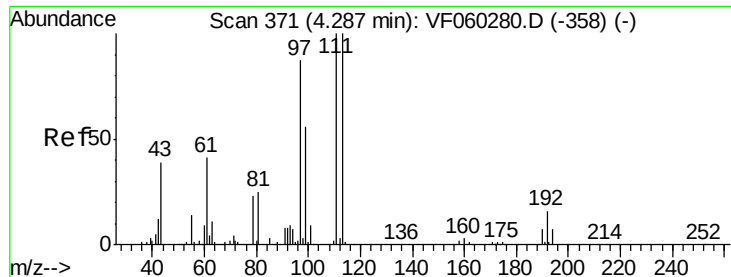
Tgt Ion: 65 Resp: 166838
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 94.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

Tgt Ion: 114 Resp: 468292
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.8
 88 19.0 0.0 41.2

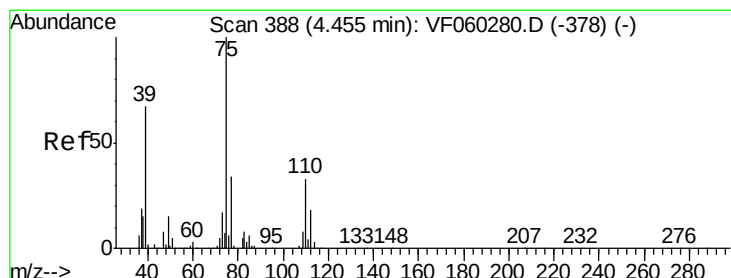
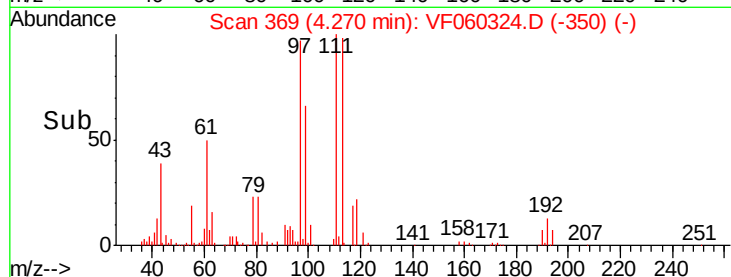
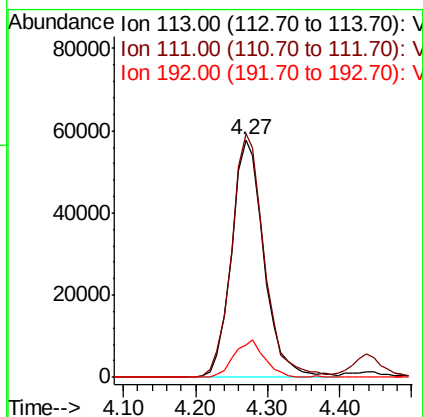
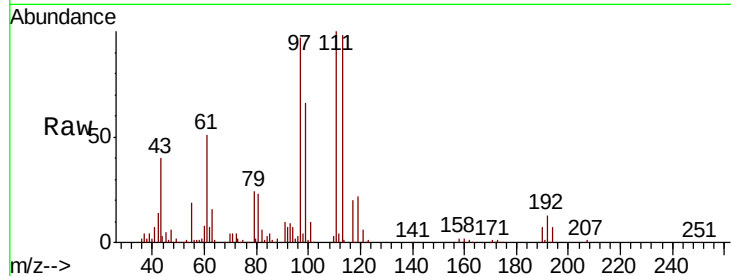




#35
 Dibromofluoromethane
 Concen: 43.281 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. -0.02 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

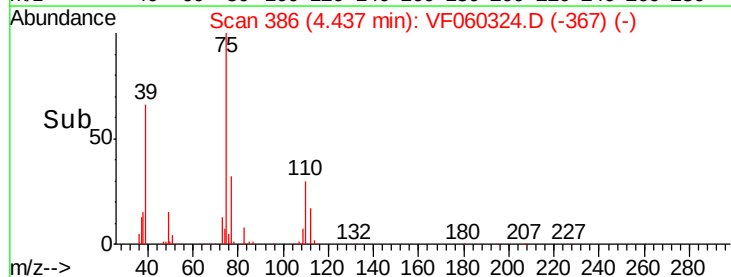
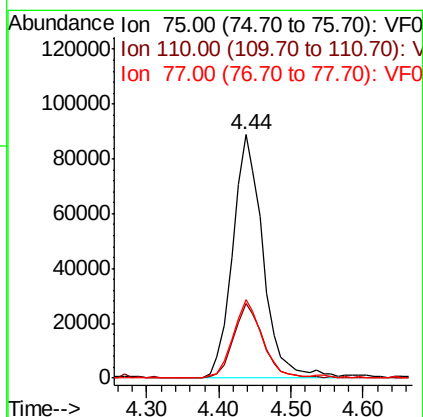
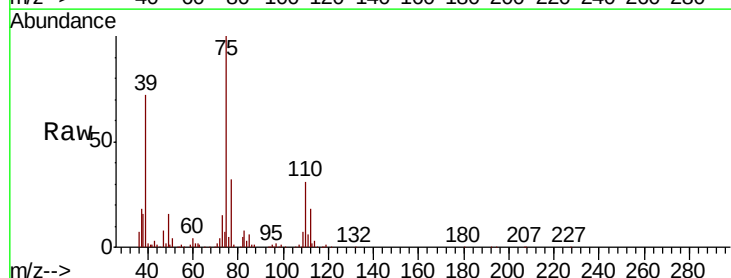
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

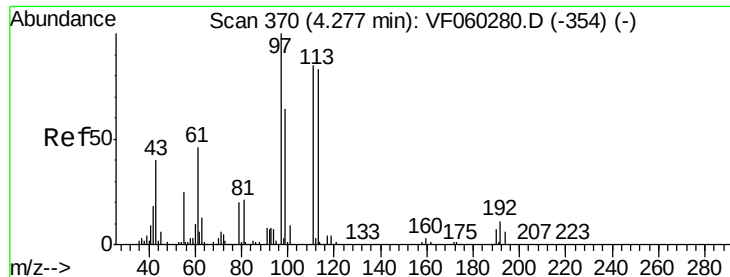
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	79.6	119.4
192	13.5	13.0	19.6



#36
 1,1-Dichloropropene
 Concen: 44.335 ug/l
 RT: 4.44 min Scan# 386
 Delta R.T. -0.02 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.6	16.4	49.2
77	32.1	27.3	40.9





#37

Ethyl Acetate

Concen: 38.978 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.02 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

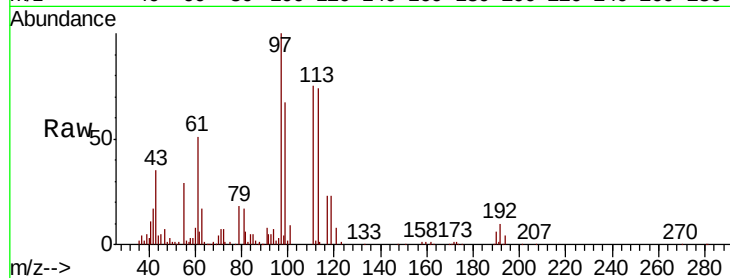
Tgt Ion: 43 Resp: 96338

Ion Ratio Lower Upper

43 100

61 145.7 91.1 136.7#

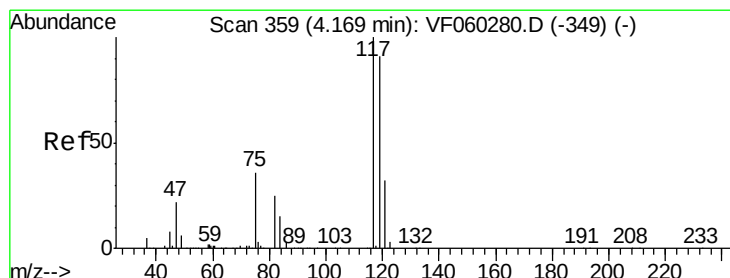
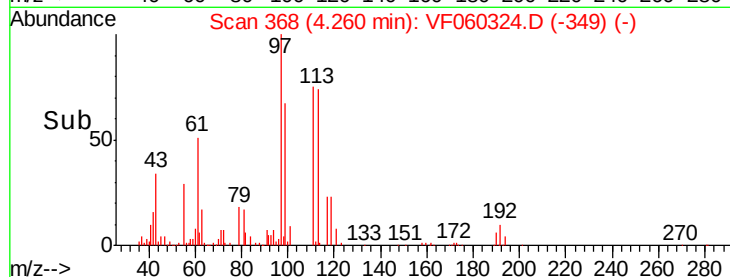
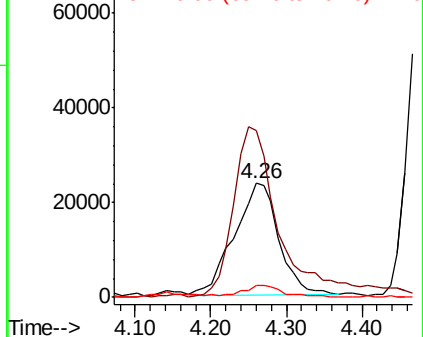
70 10.5 6.9 10.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 43.790 ug/l

RT: 4.15 min Scan# 357

Delta R.T. -0.02 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

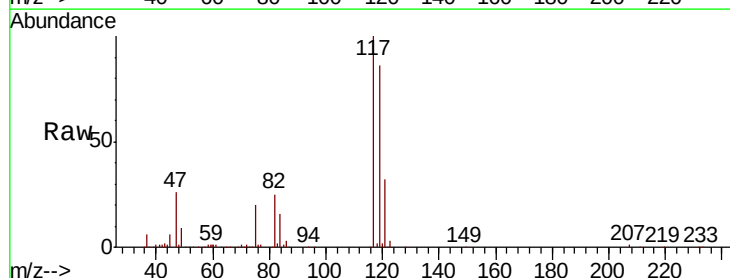
Tgt Ion: 117 Resp: 274744

Ion Ratio Lower Upper

117 100

119 85.8 73.0 109.6

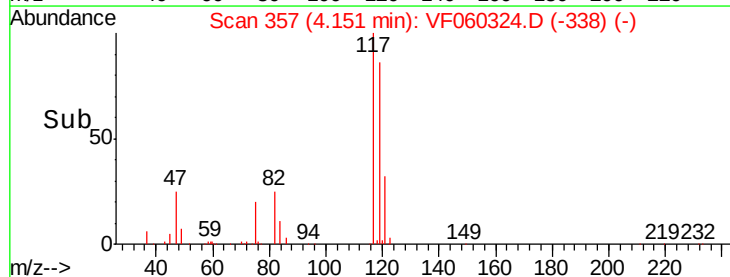
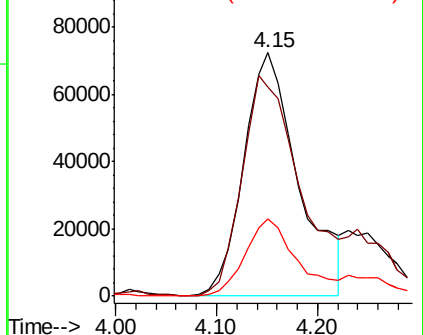
121 31.7 25.4 38.2

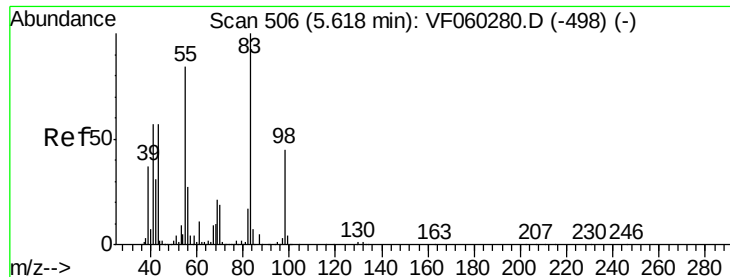


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

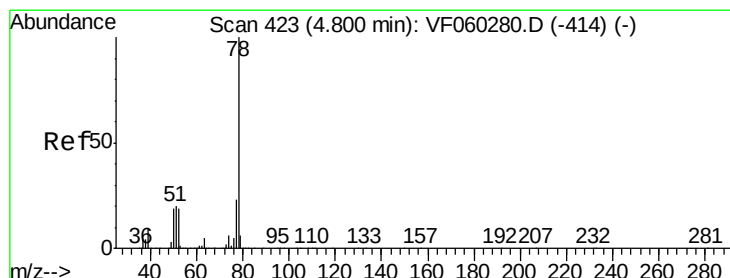
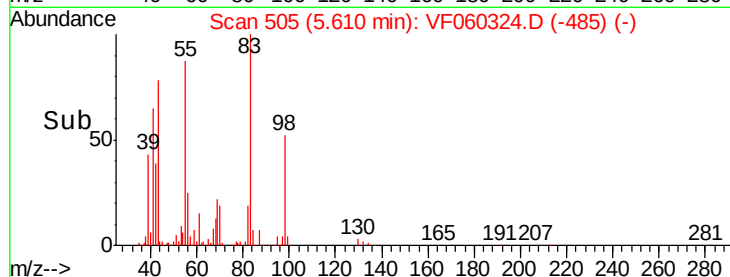
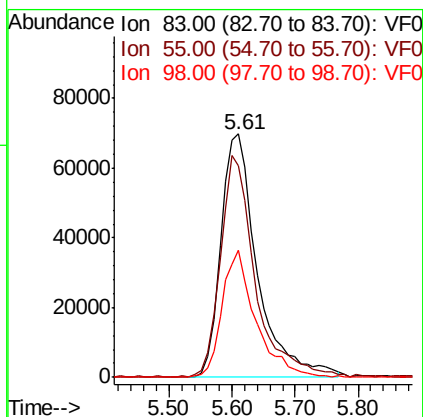
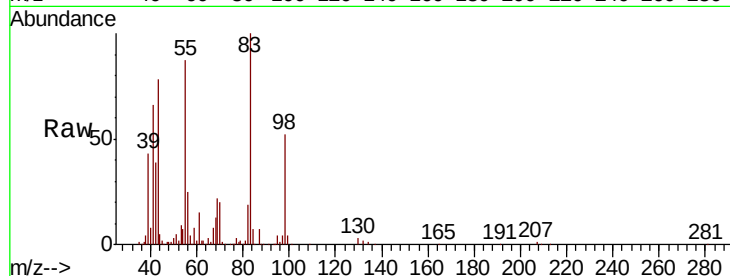




#39
Methylcyclohexane
Concen: 44.394 ug/l
RT: 5.61 min Scan# 505
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

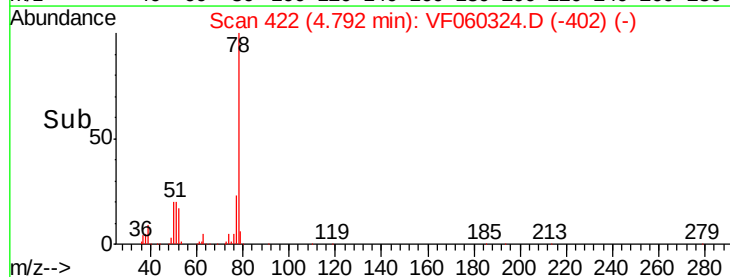
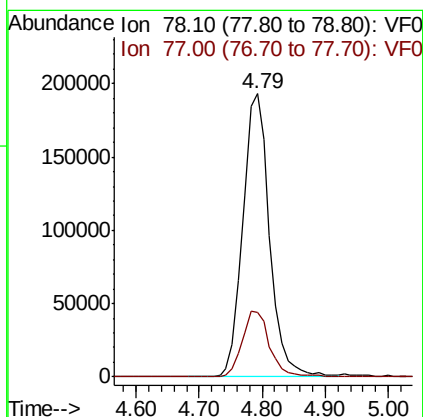
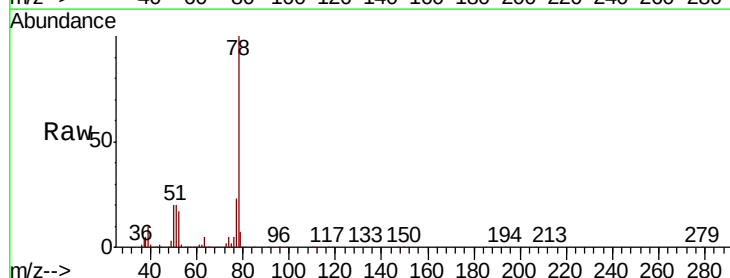
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

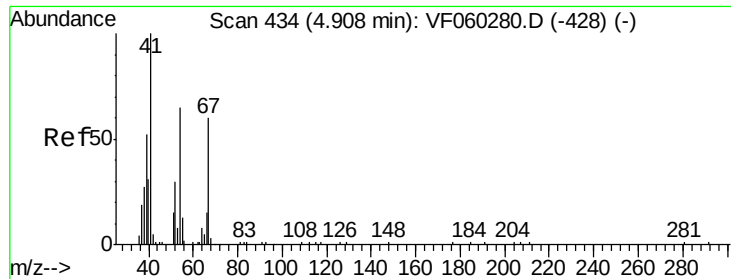
Tgt Ion: 83 Resp: 281051
Ion Ratio Lower Upper
83 100
55 86.9 67.3 100.9
98 52.4 36.1 54.1



#40
Benzene
Concen: 42.855 ug/l
RT: 4.79 min Scan# 422
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Tgt Ion: 78 Resp: 567621
Ion Ratio Lower Upper
78 100
77 23.0 18.4 27.6

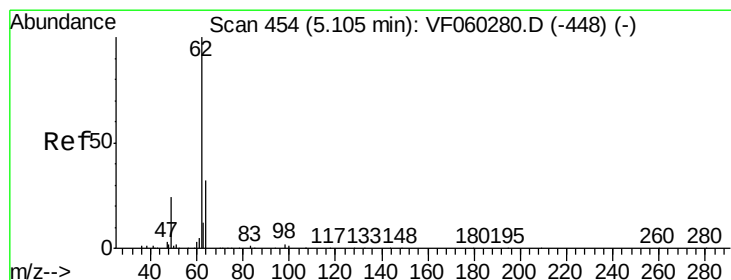
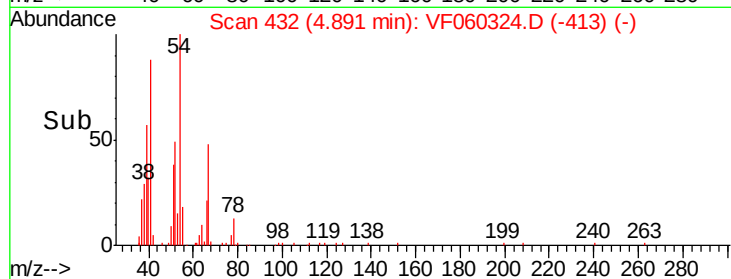
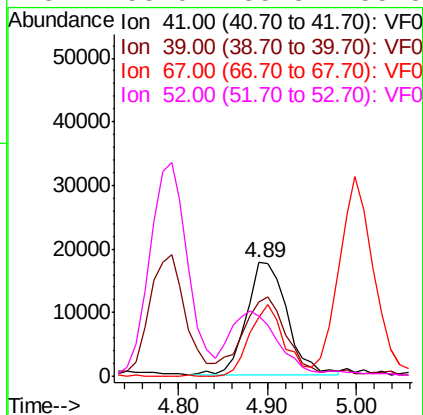
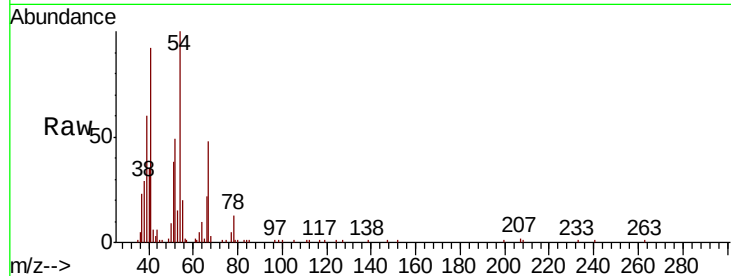




#41
Methacrylonitrile
Concen: 40.977 ug/l
RT: 4.89 min Scan# 432
Delta R.T. -0.02 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

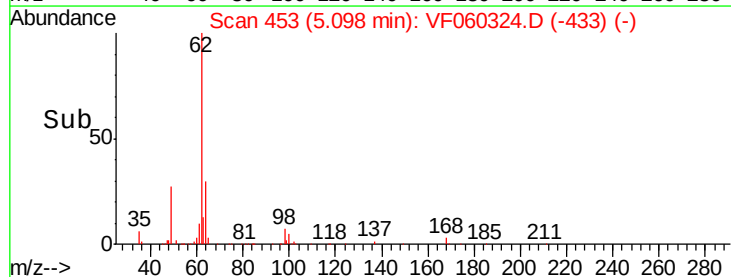
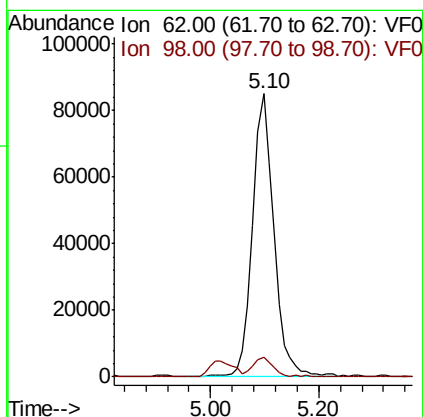
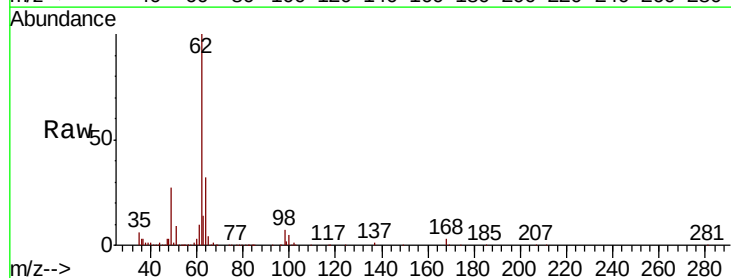
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

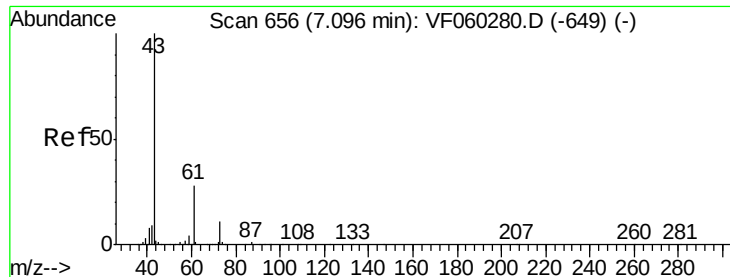
Tgt Ion:	41	Resp:	54956
Ion	Ratio	Lower	Upper
41	100		
39	64.8	49.1	73.7
67	51.5	48.2	72.4
52	53.0	35.8	53.8



#42
1,2-Dichloroethane
Concen: 47.904 ug/l
RT: 5.10 min Scan# 453
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Tgt Ion:	62	Resp:	233539
Ion	Ratio	Lower	Upper
62	100		
98	7.2	0.0	14.4





#43

Isopropyl Acetate

Concen: 42.427 ug/l

RT: 7.09 min Scan# 655

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

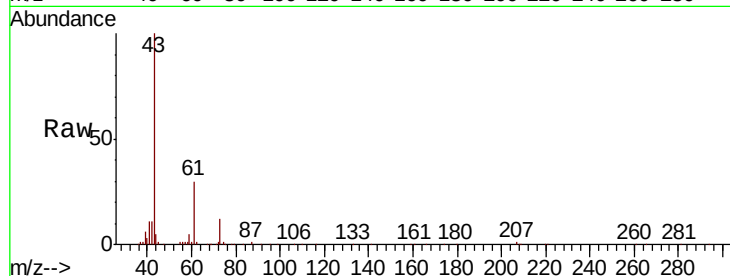
Tgt Ion: 43 Resp: 126242

Ion Ratio Lower Upper

43 100

61 30.3 22.4 33.6

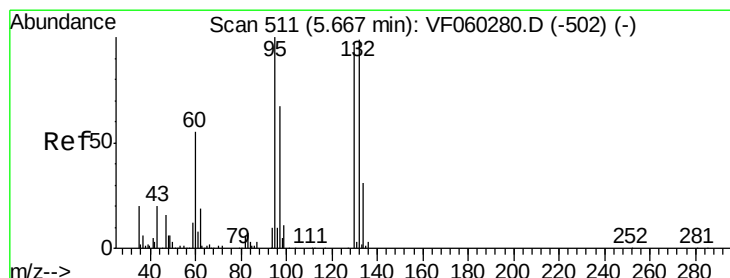
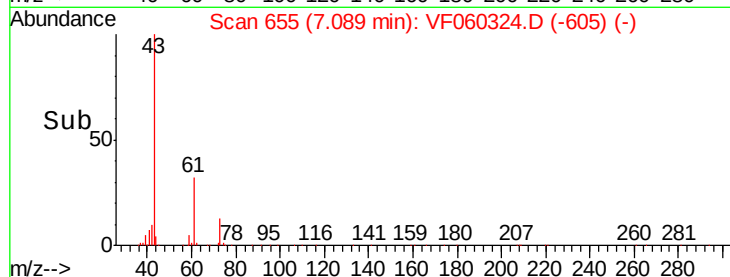
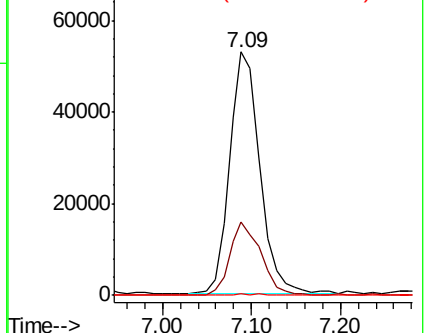
87 0.7 0.6 0.8



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: 46.683 ug/l

RT: 5.66 min Scan# 510

Delta R.T. -0.01 min

Lab File: VF060324.D

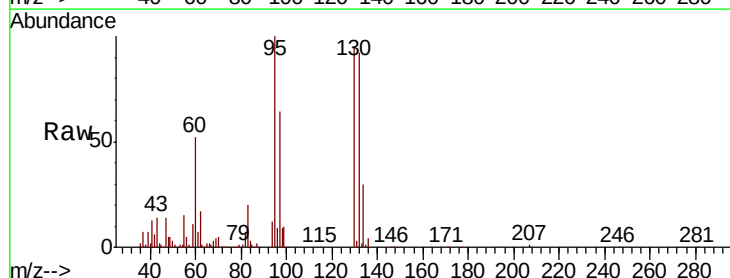
Acq: 25 Sep 2018 13:58

Tgt Ion: 130 Resp: 184015

Ion Ratio Lower Upper

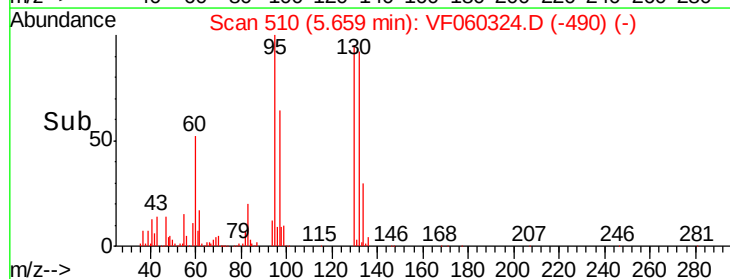
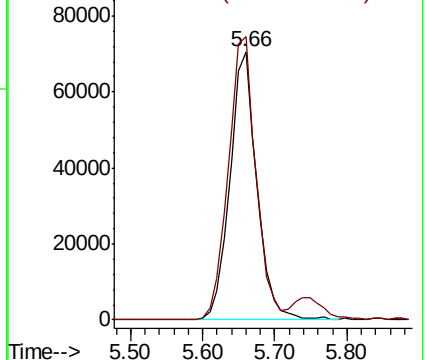
130 100

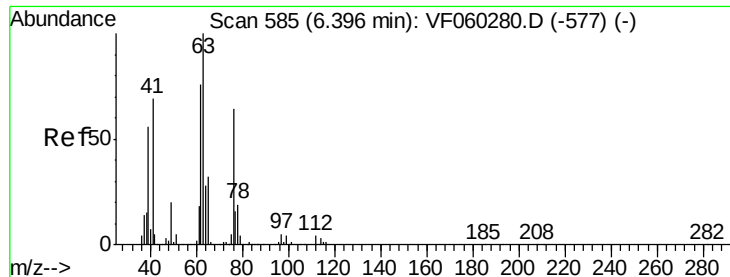
95 105.6 0.0 205.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 46.072 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.02 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

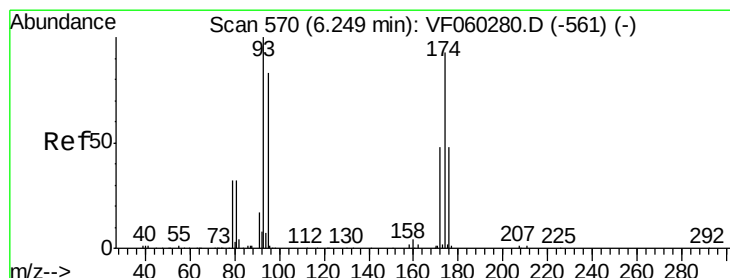
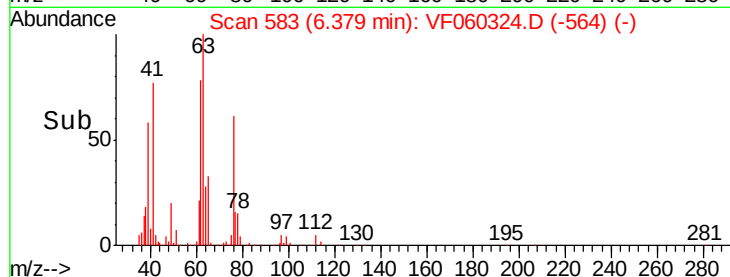
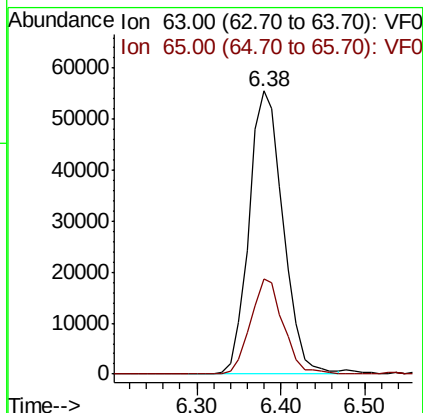
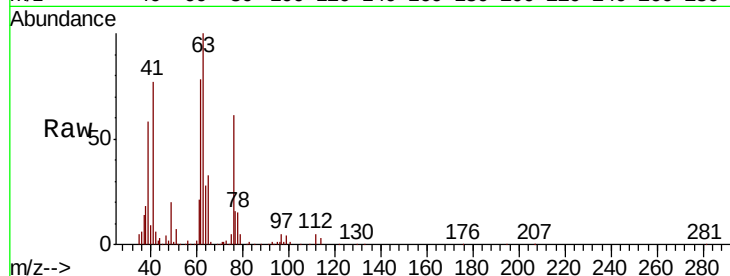
VSTDCCC050

Tgt Ion: 63 Resp: 157928

Ion Ratio Lower Upper

63 100

65 33.4 26.2 39.4



#46

Dibromomethane

Concen: 46.467 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.02 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

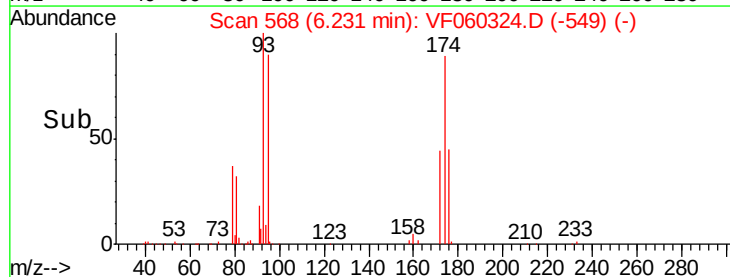
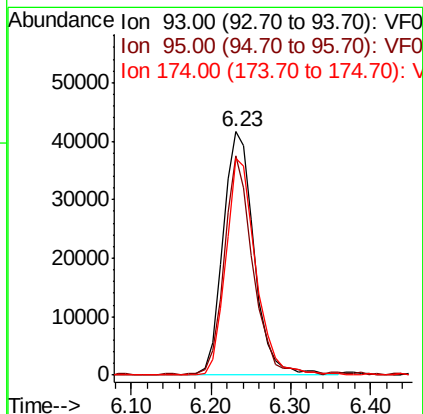
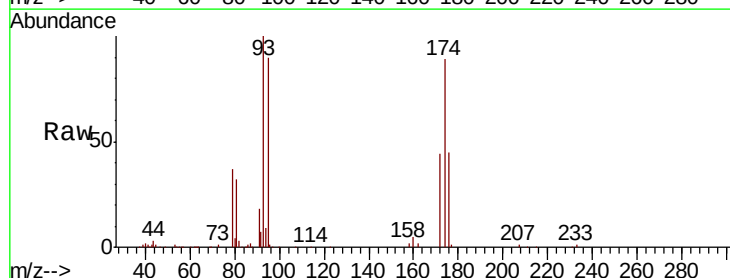
Tgt Ion: 93 Resp: 113856

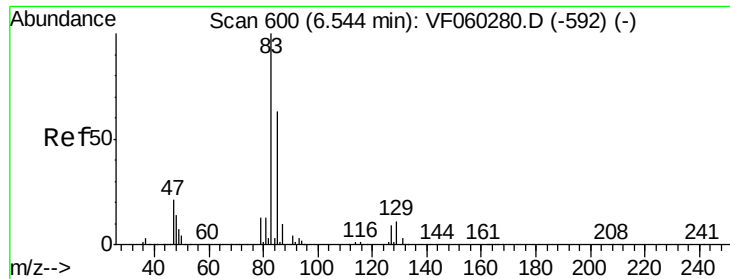
Ion Ratio Lower Upper

93 100

95 89.9 67.0 100.6

174 88.8 74.8 112.2





#47

Bromodichloromethane

Concen: 49.129 ug/l

RT: 6.53 min Scan# 598

Delta R.T. -0.02 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

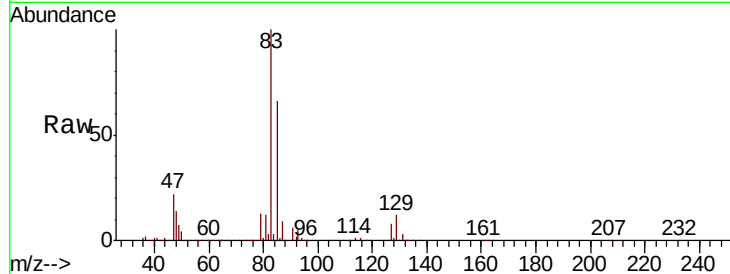
Tgt Ion: 83 Resp: 289289

Ion Ratio Lower Upper

83 100

85 66.5 50.6 76.0

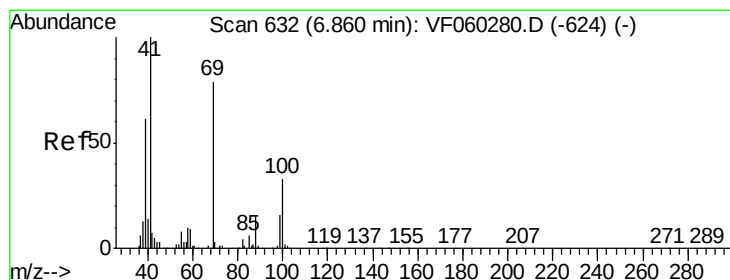
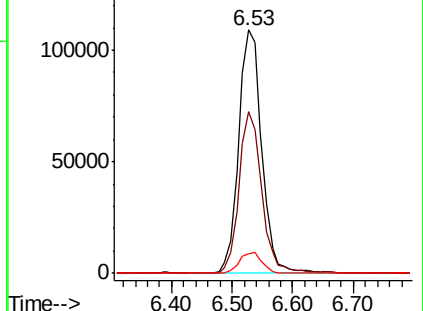
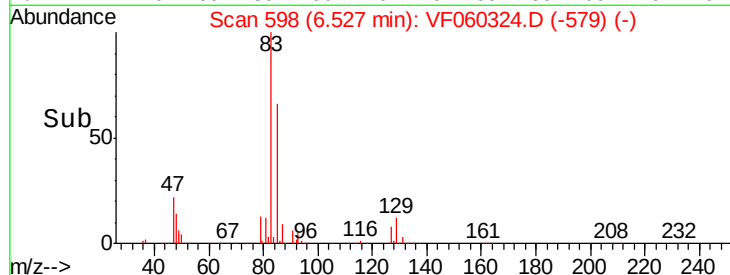
127 7.9 7.1 10.7



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: 43.775 ug/l

RT: 6.85 min Scan# 631

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

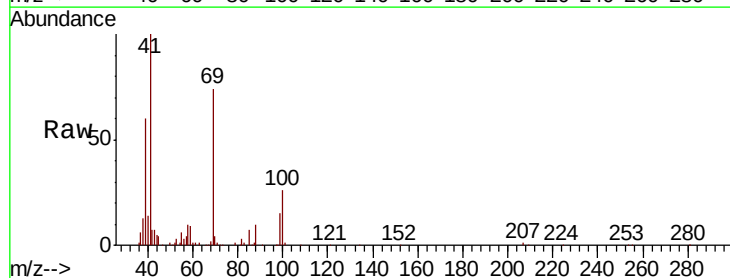
Tgt Ion: 41 Resp: 91432

Ion Ratio Lower Upper

41 100

69 73.9 62.6 94.0

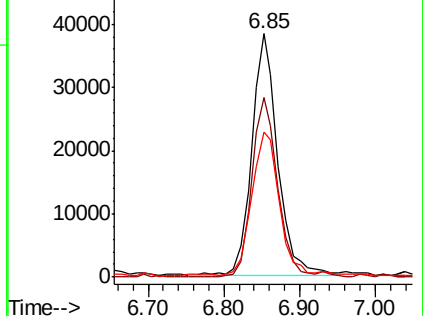
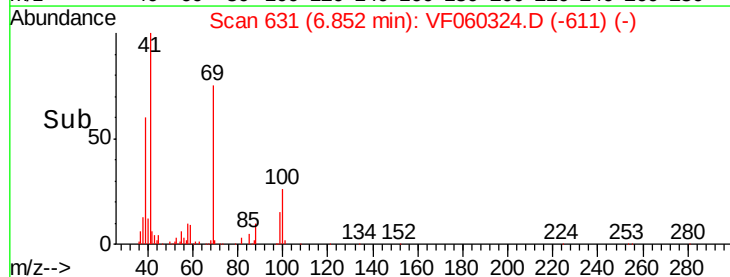
39 59.6 49.1 73.7

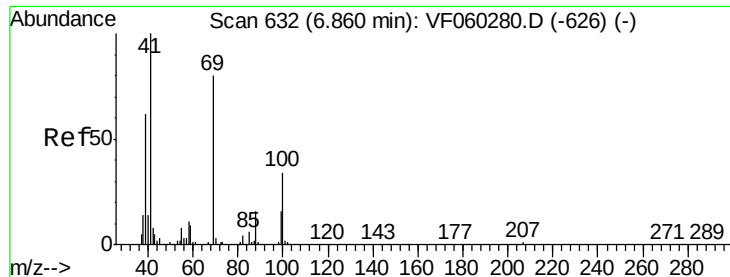


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 925.063 ug/l

RT: 6.84 min Scan# 630

Delta R.T. -0.02 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

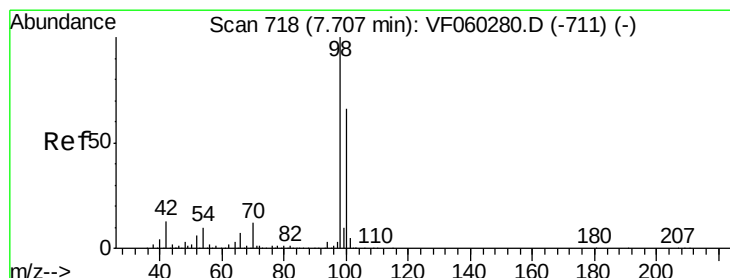
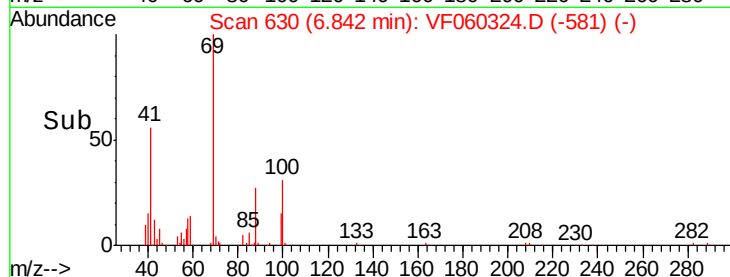
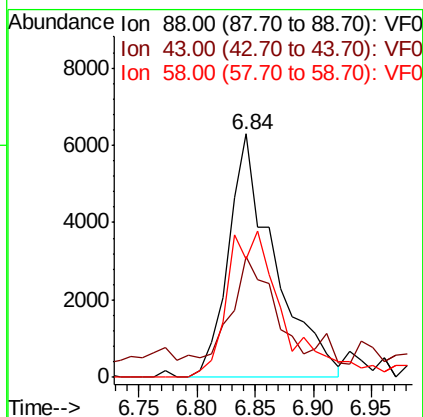
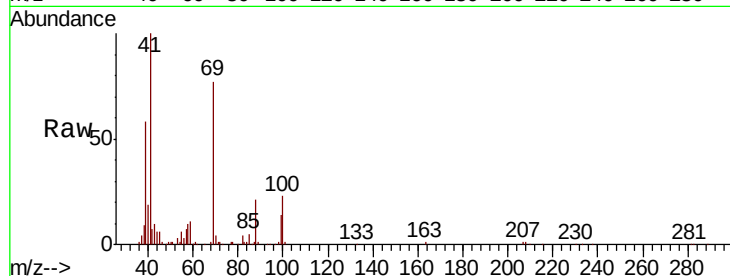
Tgt Ion: 88 Resp: 17262

Ion Ratio Lower Upper

88 100

43 49.4 40.2 60.4

58 48.4 56.7 85.1#



#50

Toluene-d8

Concen: 44.209 ug/l

RT: 7.69 min Scan# 716

Delta R.T. -0.02 min

Lab File: VF060324.D

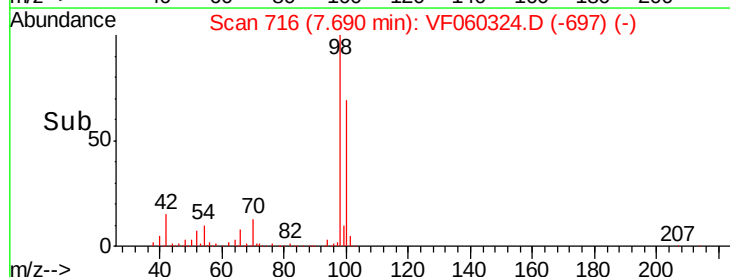
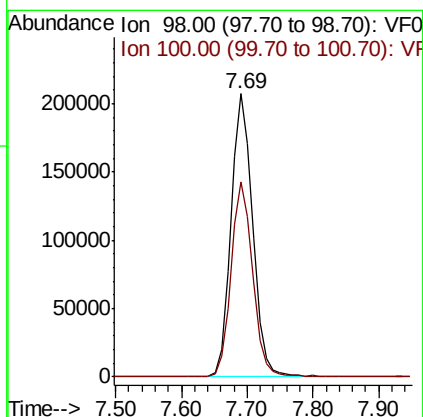
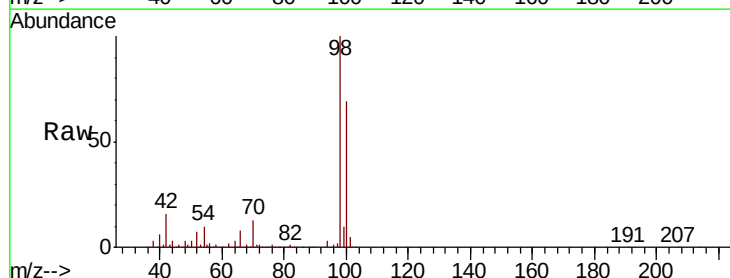
Acq: 25 Sep 2018 13:58

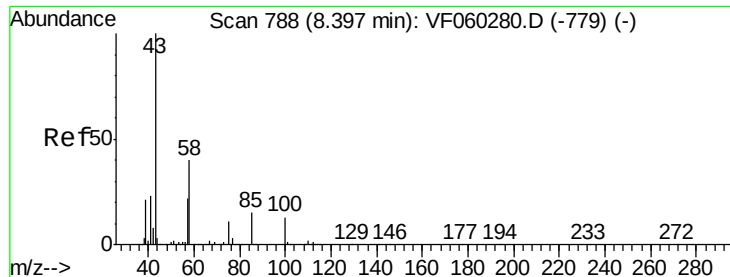
Tgt Ion: 98 Resp: 480611

Ion Ratio Lower Upper

98 100

100 68.8 53.0 79.6

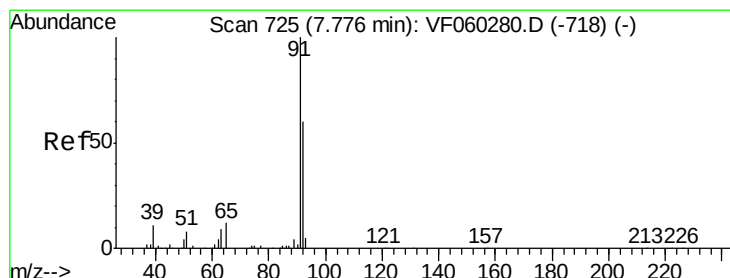
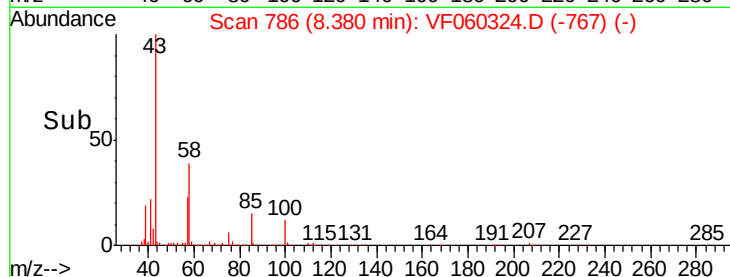
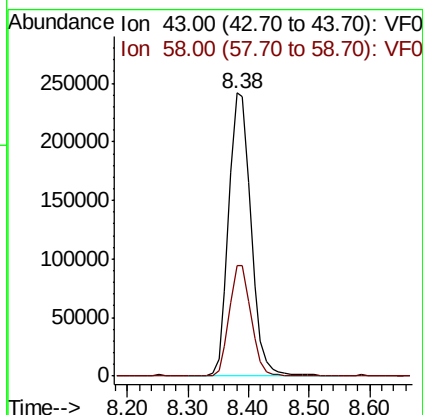
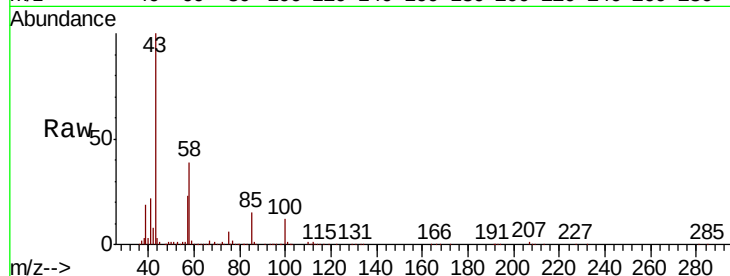




#51
 4-Methyl-2-Pentanone
 Concen: 271.097 ug/l
 RT: 8.38 min Scan# 786
 Delta R.T. -0.02 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

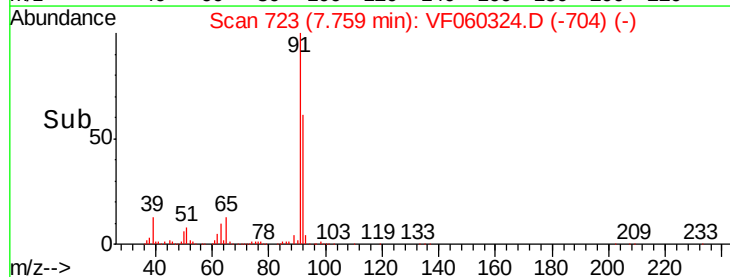
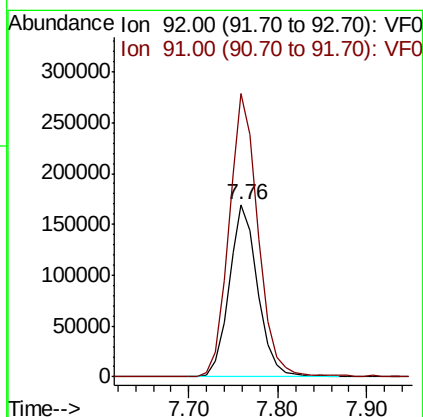
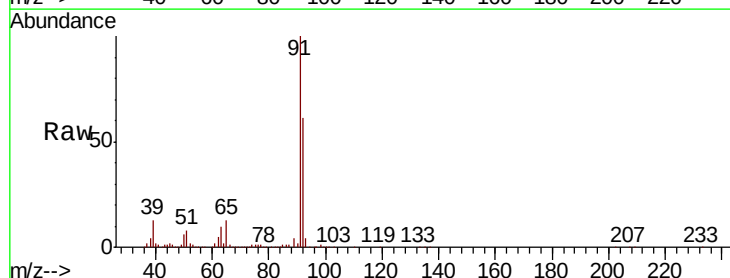
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

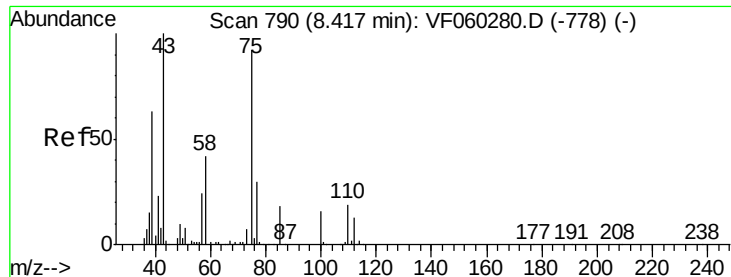
Tgt Ion: 43 Resp: 621713
 Ion Ratio Lower Upper
 43 100
 58 39.3 31.8 47.8



#52
 Toluene
 Concen: 45.330 ug/l
 RT: 7.76 min Scan# 723
 Delta R.T. -0.02 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

Tgt Ion: 92 Resp: 379828
 Ion Ratio Lower Upper
 92 100
 91 164.1 133.3 199.9





#53

t-1,3-Dichloropropene

Concen: 46.632 ug/l

RT: 8.41 min Scan# 789

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

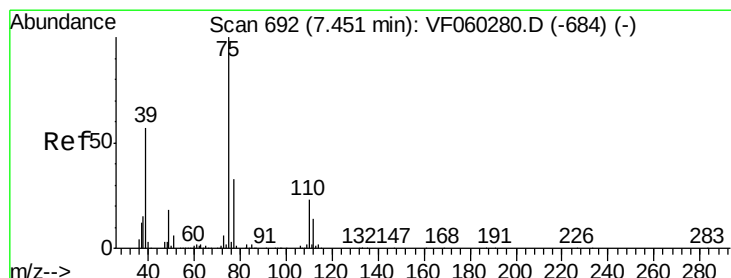
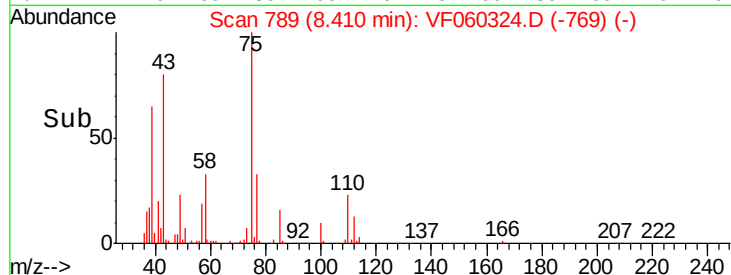
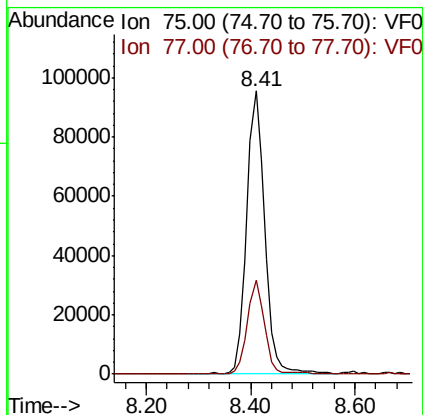
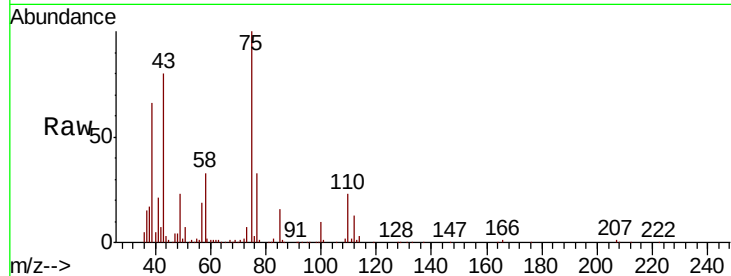
VSTDCCC050

Tgt Ion: 75 Resp: 221489

Ion Ratio Lower Upper

75 100

77 33.1 25.9 38.9



#54

cis-1,3-Dichloropropene

Concen: 43.850 ug/l

RT: 7.44 min Scan# 691

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

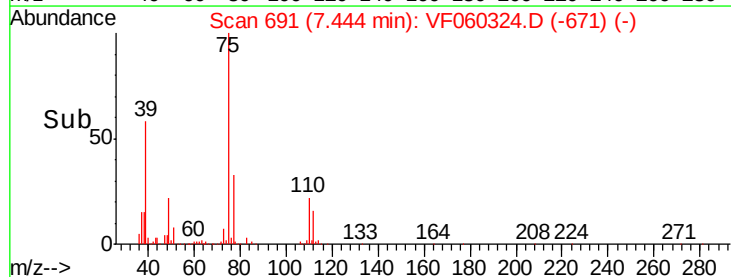
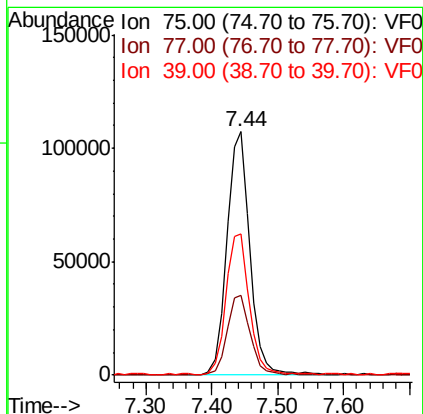
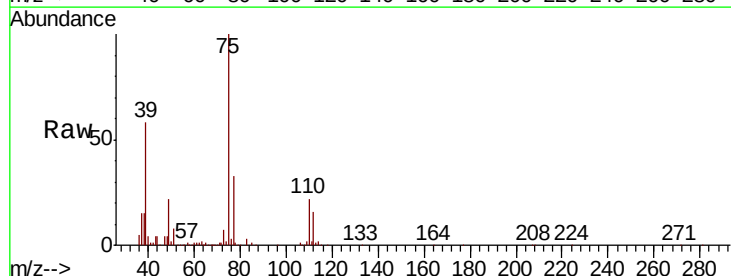
Tgt Ion: 75 Resp: 262380

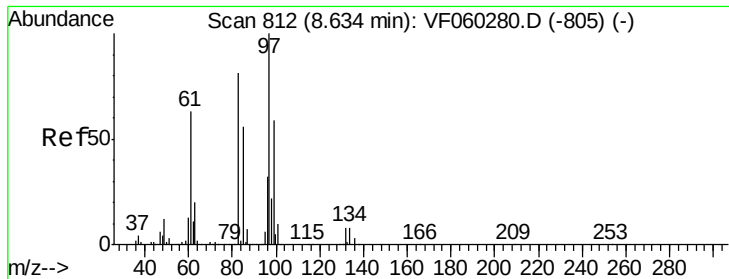
Ion Ratio Lower Upper

75 100

77 32.8 26.3 39.5

39 57.8 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 47.838 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.02 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 121660

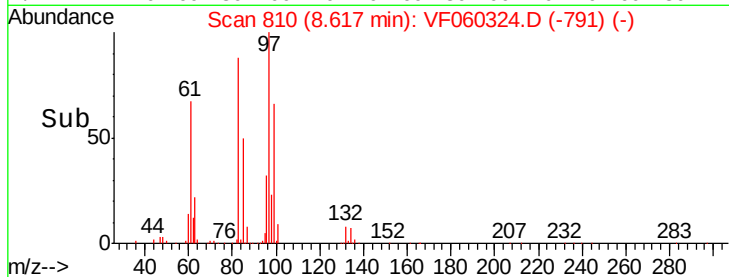
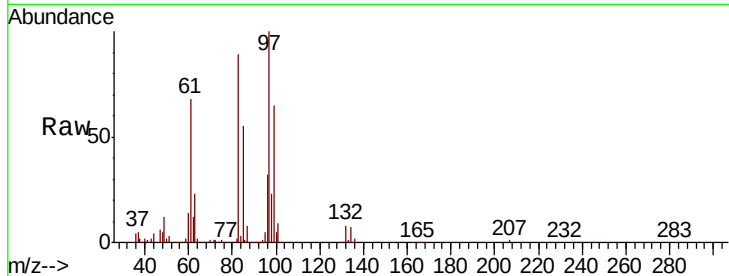
Ion Ratio Lower Upper

97 100

83 89.1 65.3 97.9

85 54.8 44.7 67.1

99 65.3 47.0 70.4

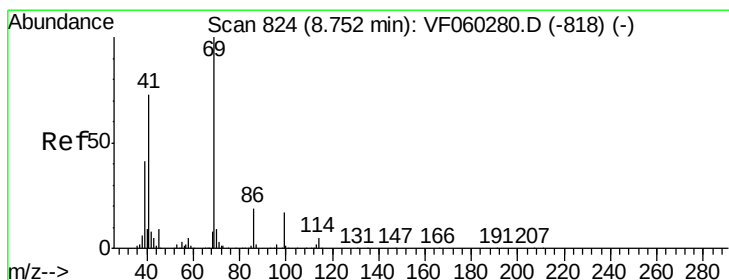
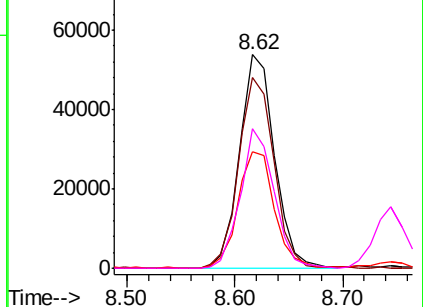


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 49.859 ug/l

RT: 8.74 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

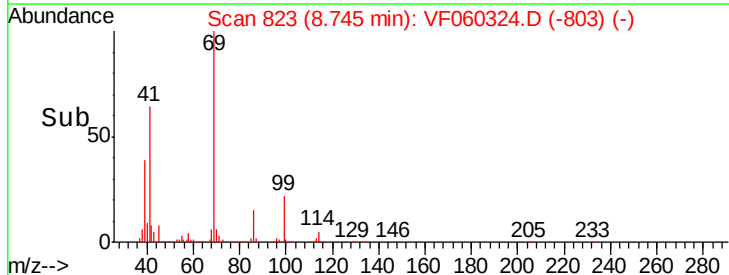
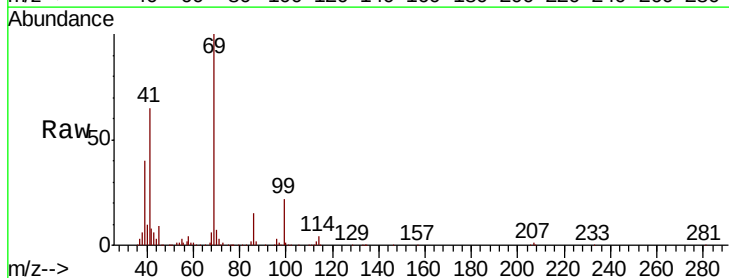
Tgt Ion: 69 Resp: 153139

Ion Ratio Lower Upper

69 100

41 64.5 59.4 89.2

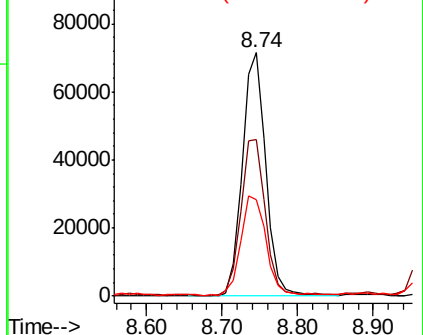
39 39.8 33.5 50.3

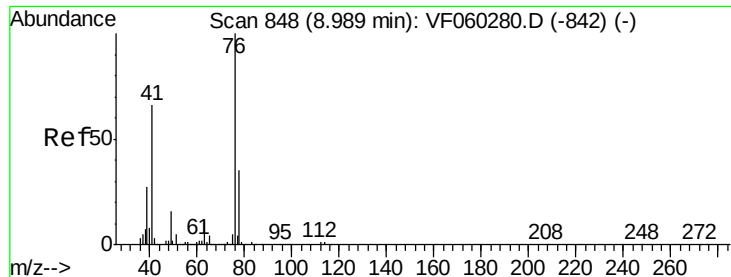


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 47.490 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

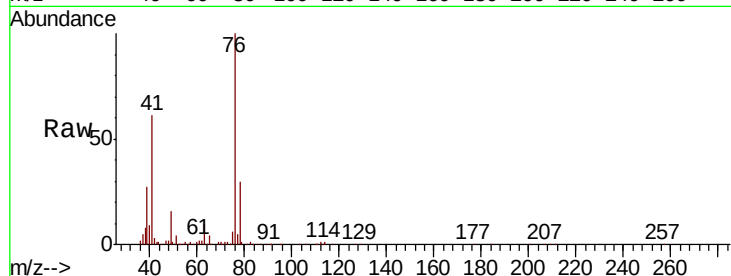
VSTDCCC050

Tgt Ion: 76 Resp: 199977

Ion Ratio Lower Upper

76 100

78 29.5 28.2 42.2



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

8.98

100000

80000

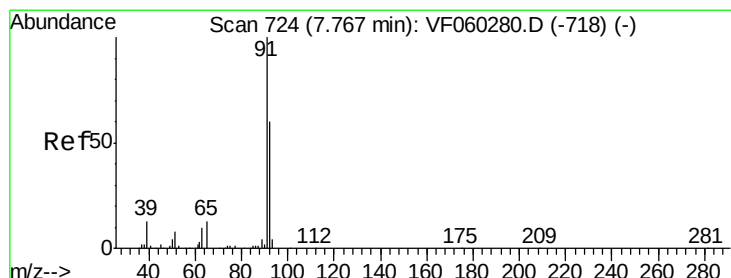
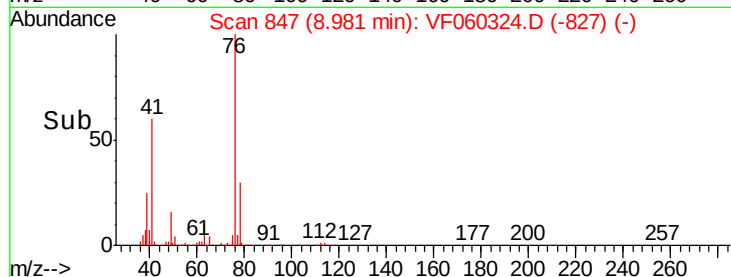
60000

40000

20000

0

Time--> 8.80 8.90 9.00 9.10



#58

2-Chloroethyl Vinyl ether

Concen: 229.600 ug/l

RT: 7.76 min Scan# 723

Delta R.T. -0.01 min

Lab File: VF060324.D

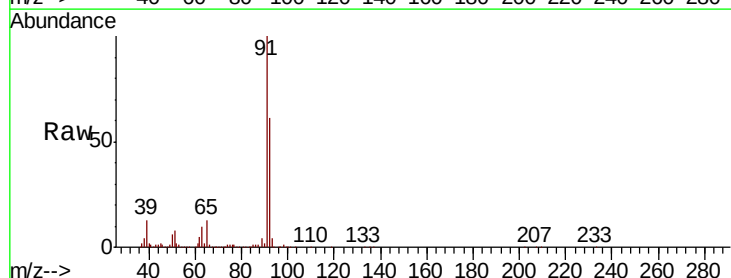
Acq: 25 Sep 2018 13:58

Tgt Ion: 63 Resp: 62342

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

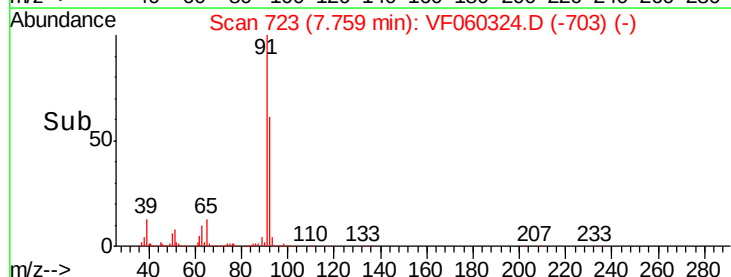
15000

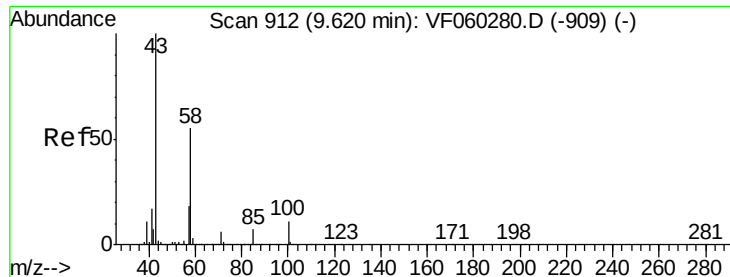
10000

5000

0

Time--> 7.60 7.70 7.80 7.90

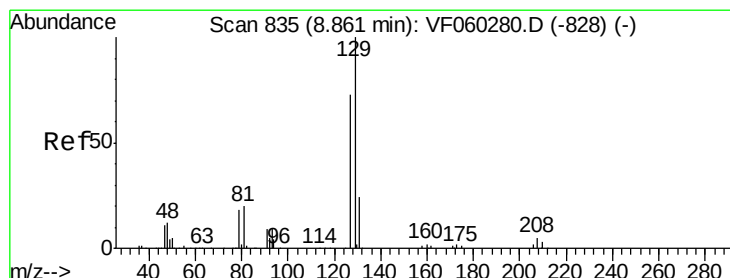
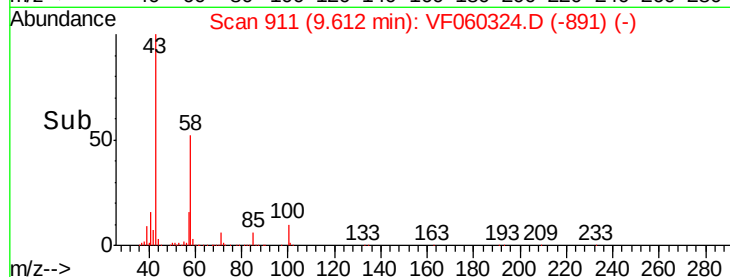
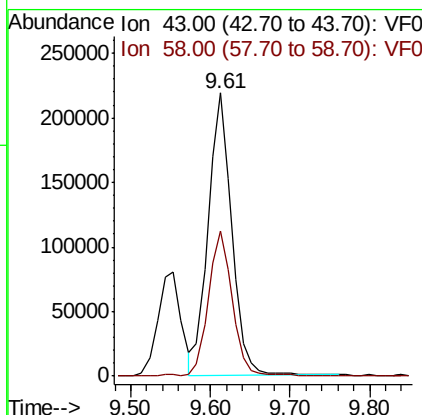
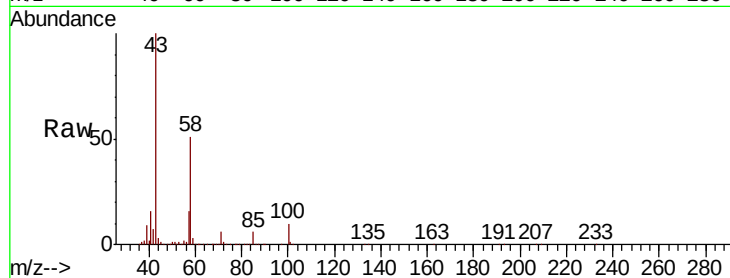




#59
2-Hexanone
Concen: 277.265 ug/l
RT: 9.61 min Scan# 911
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

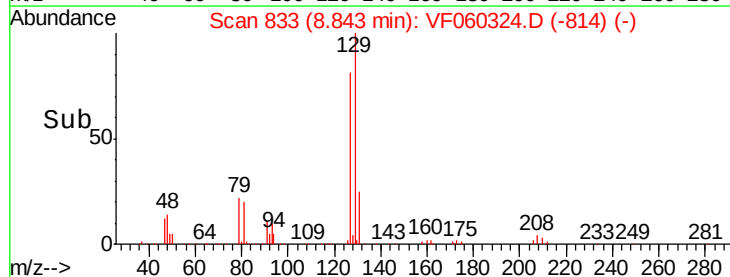
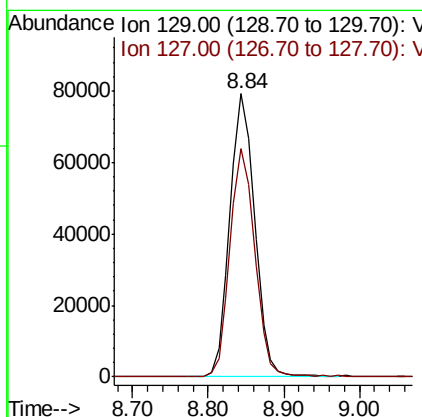
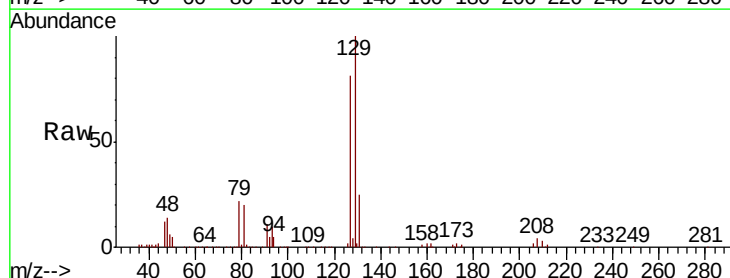
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

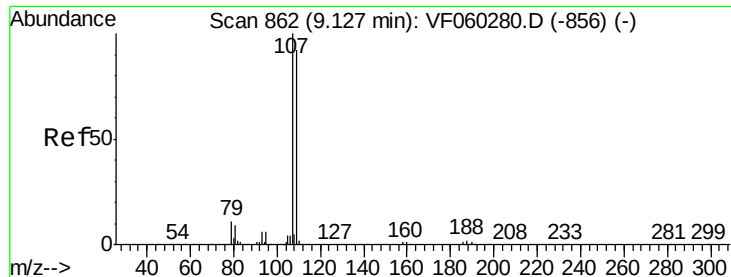
Tgt Ion: 43 Resp: 452735
Ion Ratio Lower Upper
43 100
58 51.5 25.9 77.6



#60
Dibromochloromethane
Concen: 47.665 ug/l
RT: 8.84 min Scan# 833
Delta R.T. -0.02 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Tgt Ion: 129 Resp: 180672
Ion Ratio Lower Upper
129 100
127 80.8 36.6 109.8





#61

1,2-Dibromoethane

Concen: 46.462 ug/l

RT: 9.12 min Scan# 861

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

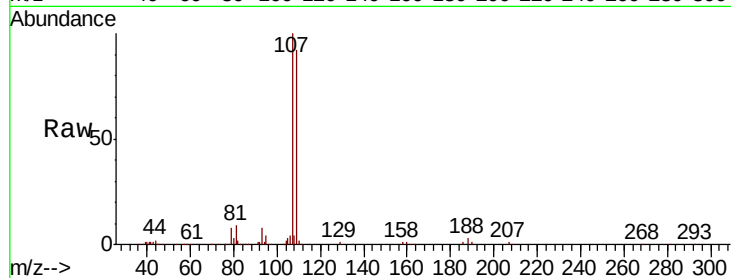
VSTDCCC050

Tgt Ion: 107 Resp: 131580

Ion Ratio Lower Upper

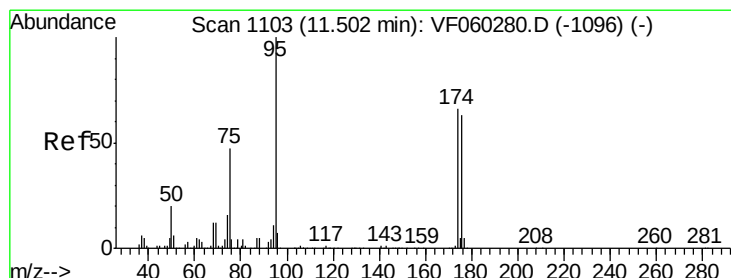
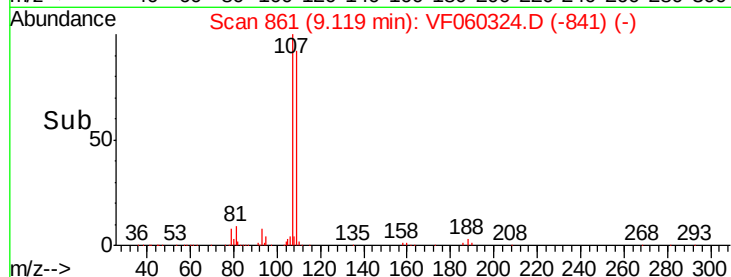
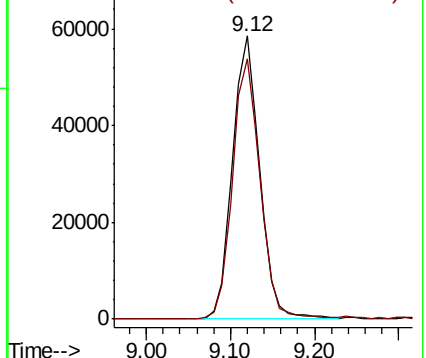
107 100

109 92.1 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: 44.933 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

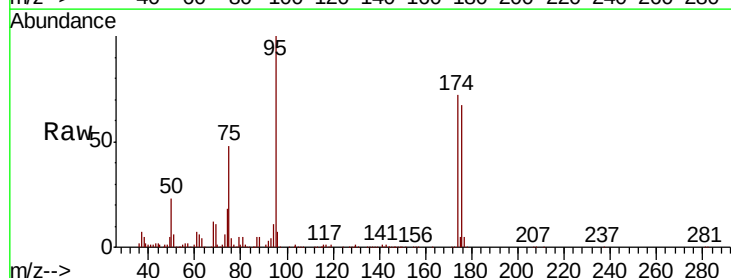
Tgt Ion: 95 Resp: 211152

Ion Ratio Lower Upper

95 100

174 72.0 0.0 131.2

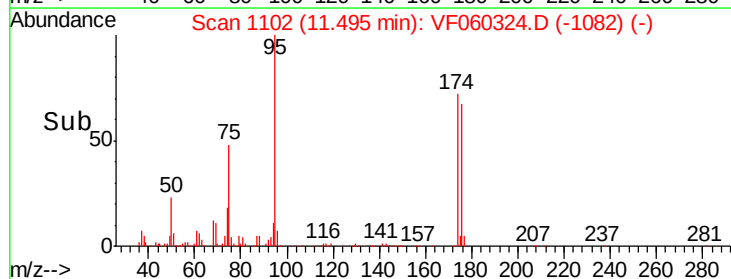
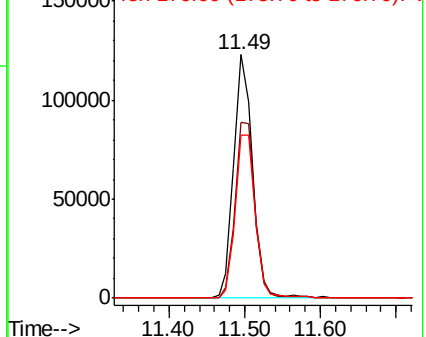
176 66.7 0.0 126.6

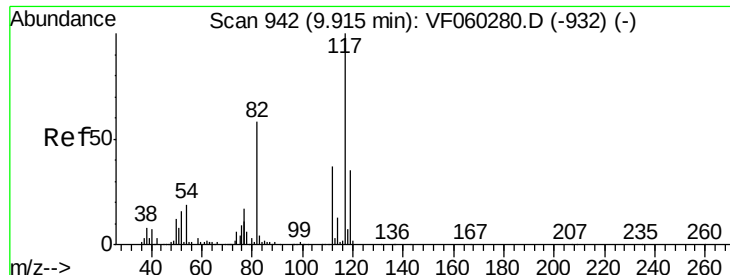


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

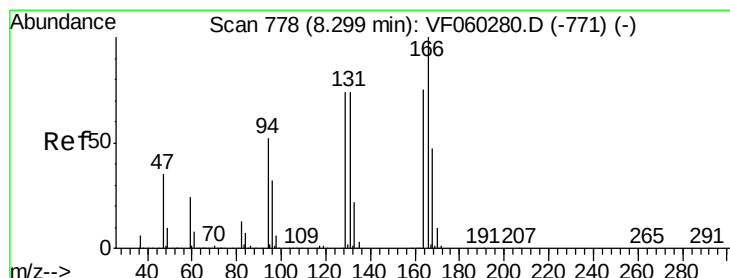
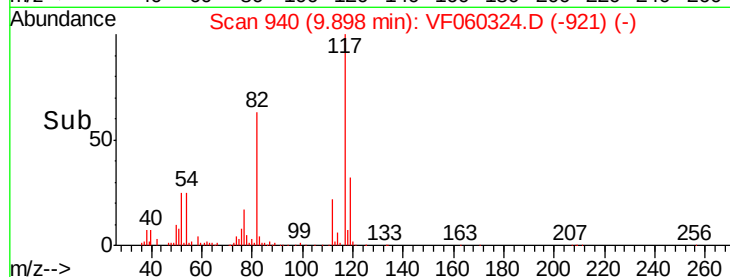
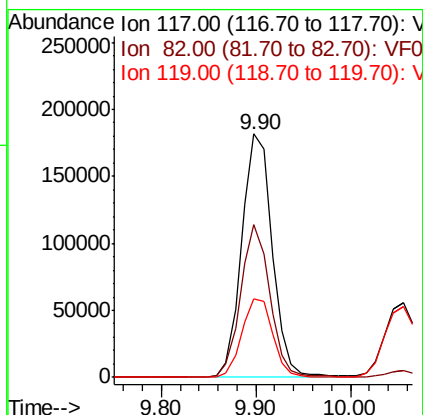
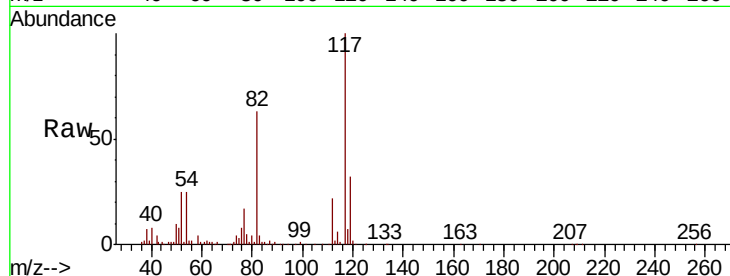




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.02 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

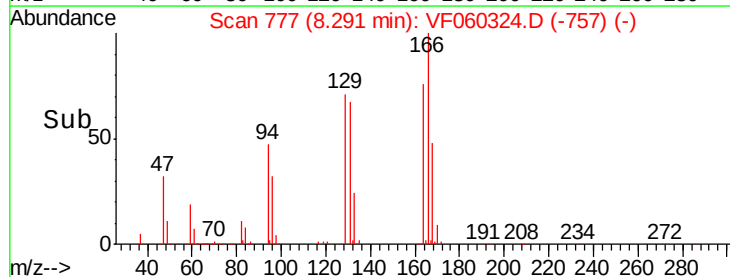
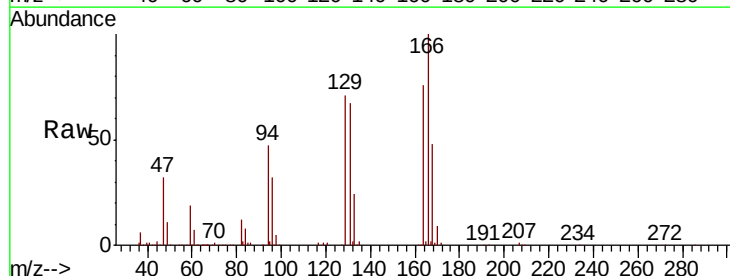
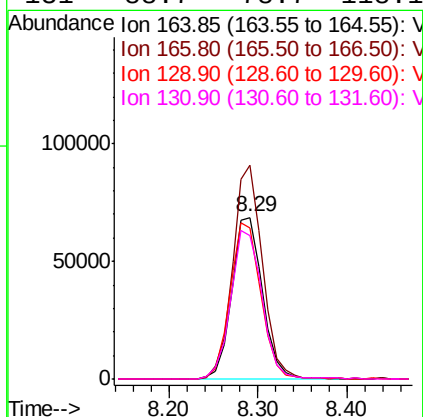
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

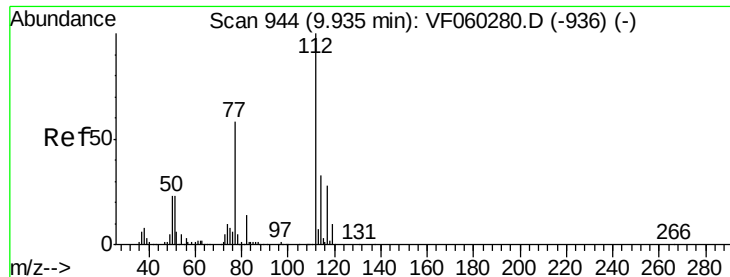
Tgt Ion	Ratio	Lower	Upper
117	100		
82	62.7	46.2	69.2
119	32.1	27.8	41.6



#64
Tetrachloroethene
Concen: 44.593 ug/l
RT: 8.29 min Scan# 777
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.1	106.8	160.2
129	93.6	78.8	118.2
131	88.7	78.7	118.1





#65

Chlorobenzene

Concen: 47.423 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

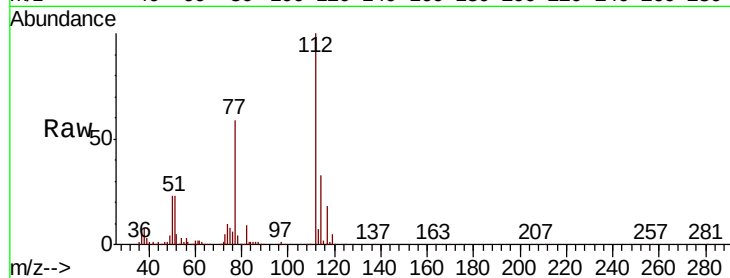
VSTDCCC050

Tgt Ion:112 Resp: 437687

Ion Ratio Lower Upper

112 100

114 33.5 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.93

200000

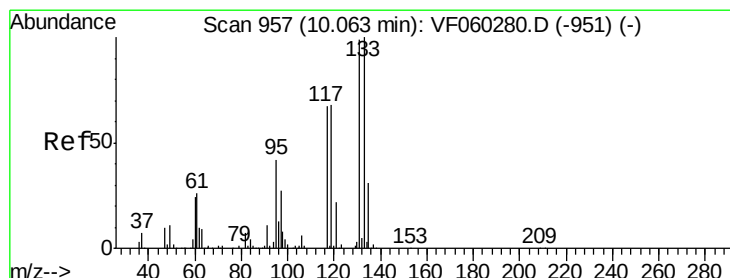
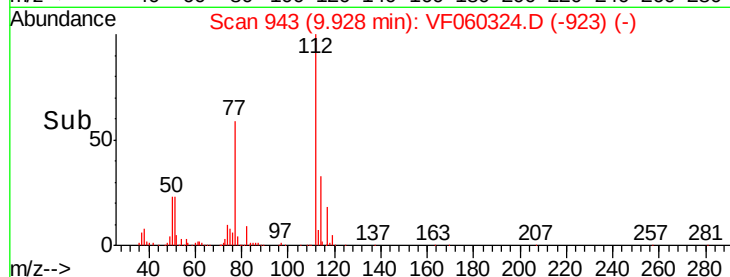
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 48.788 ug/l

RT: 10.06 min Scan# 956

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

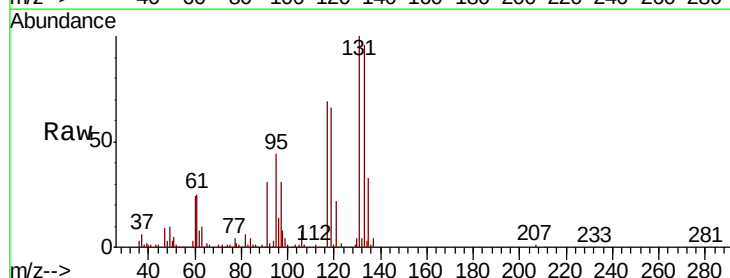
Tgt Ion:131 Resp: 186866

Ion Ratio Lower Upper

131 100

133 96.5 50.4 151.2

119 66.2 34.8 104.3



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

10.06

100000

80000

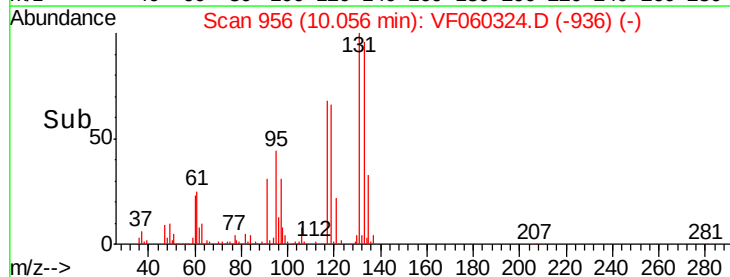
60000

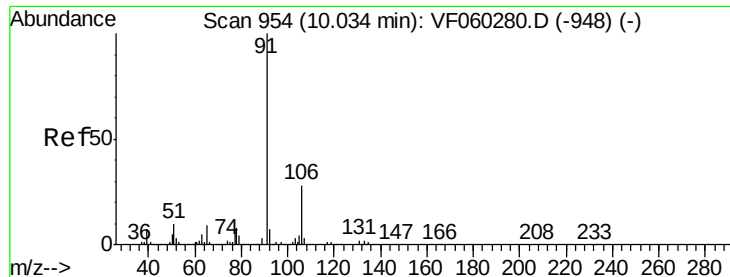
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 46.911 ug/l

RT: 10.03 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

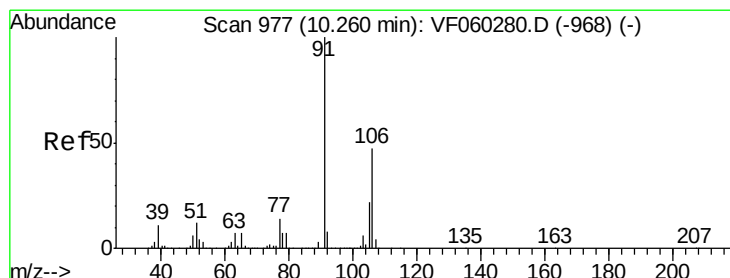
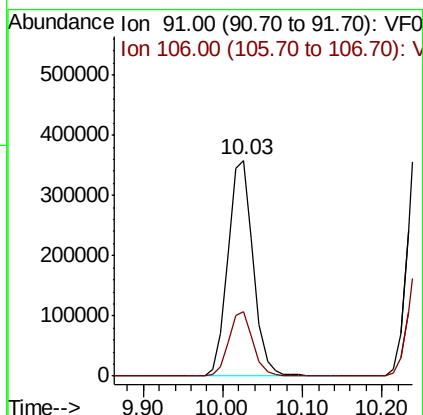
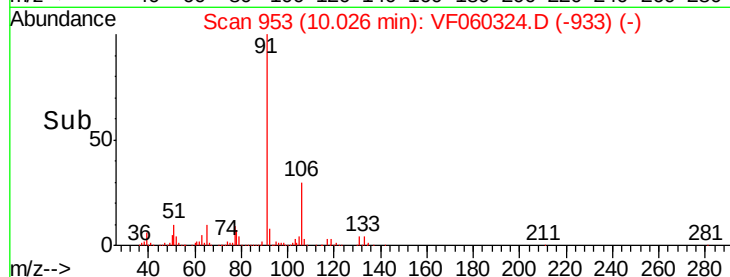
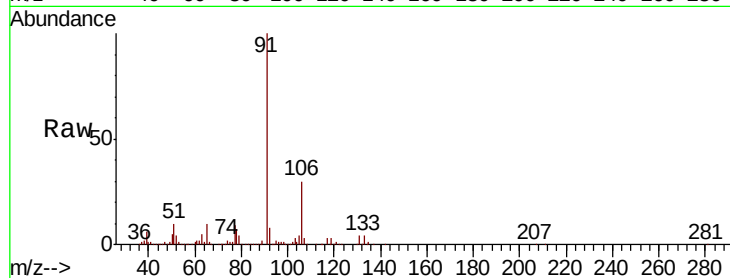
VSTDCCC050

Tgt Ion: 91 Resp: 800511

Ion Ratio Lower Upper

91 100

106 29.9 22.7 34.1



#68

m/p-Xylenes

Concen: 93.948 ug/l

RT: 10.25 min Scan# 976

Delta R.T. -0.01 min

Lab File: VF060324.D

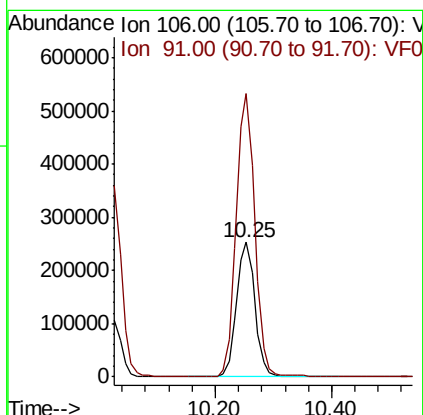
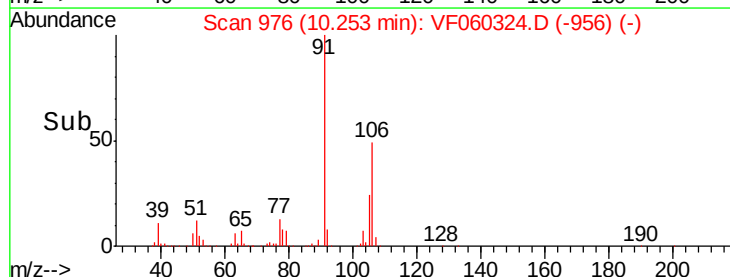
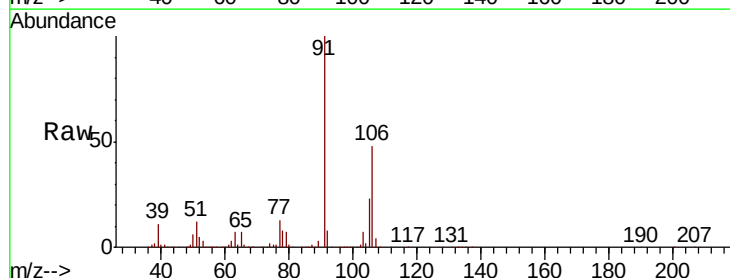
Acq: 25 Sep 2018 13:58

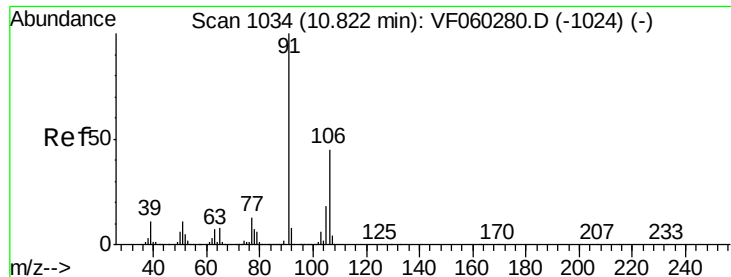
Tgt Ion: 106 Resp: 553882

Ion Ratio Lower Upper

106 100

91 209.9 172.3 258.5

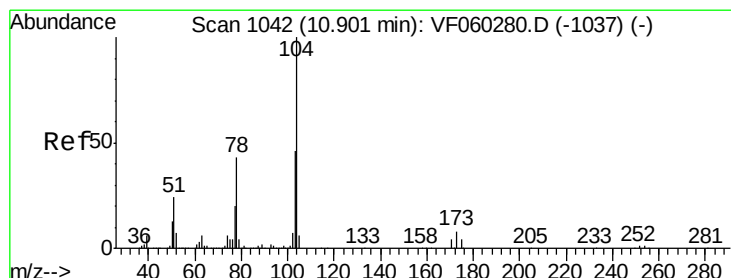
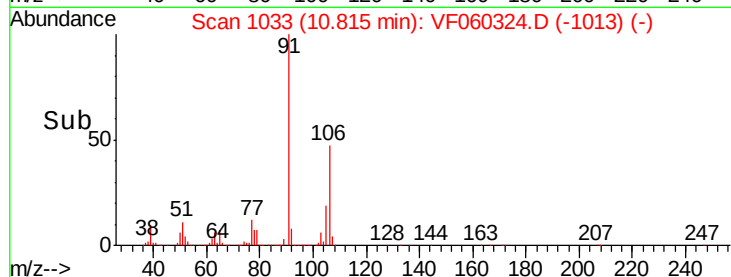
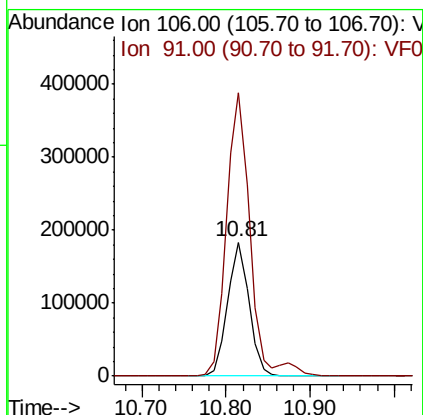
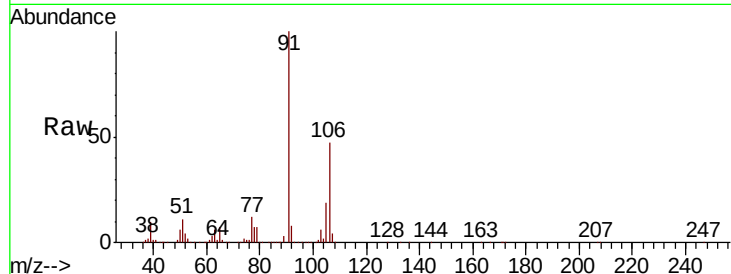




#69
o-Xylene
Concen: 49.533 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

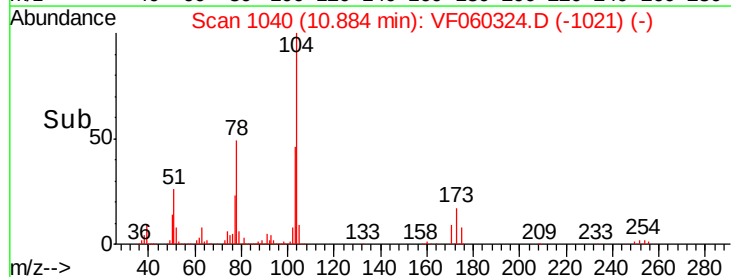
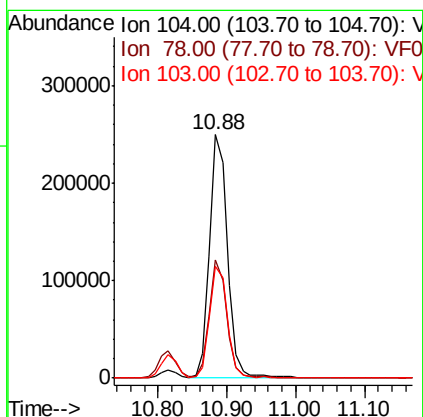
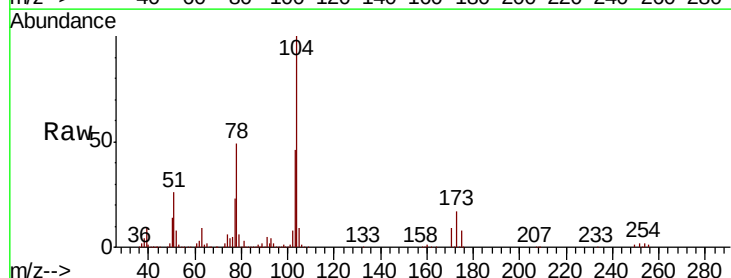
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

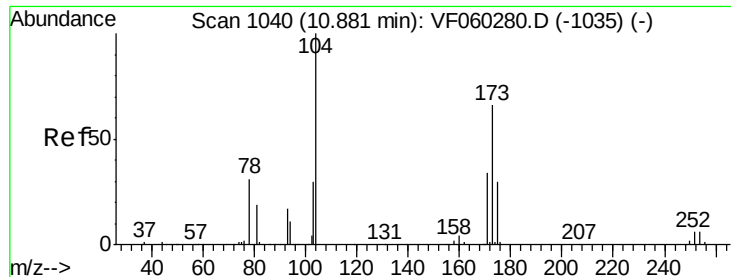
Tgt Ion:106 Resp: 327549
Ion Ratio Lower Upper
106 100
91 211.8 110.9 332.6



#70
Styrene
Concen: 48.656 ug/l
RT: 10.88 min Scan# 1040
Delta R.T. -0.02 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Tgt Ion:104 Resp: 453746
Ion Ratio Lower Upper
104 100
78 48.8 35.0 52.6
103 45.8 37.4 56.0





#71

Bromoform

Concen: 47.946 ug/l

RT: 10.87 min Scan# 1039

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

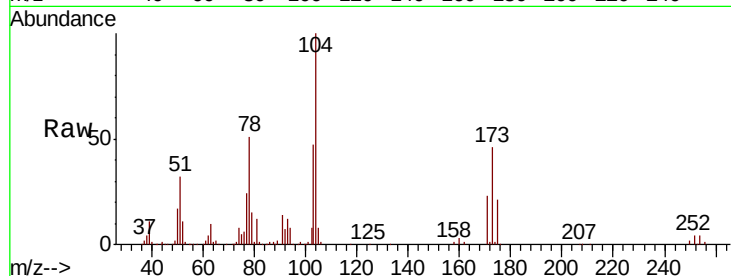
Tgt Ion:173 Resp: 100855

Ion Ratio Lower Upper

173 100

175 46.9 22.3 66.9

254 0.0 0.0 0.0

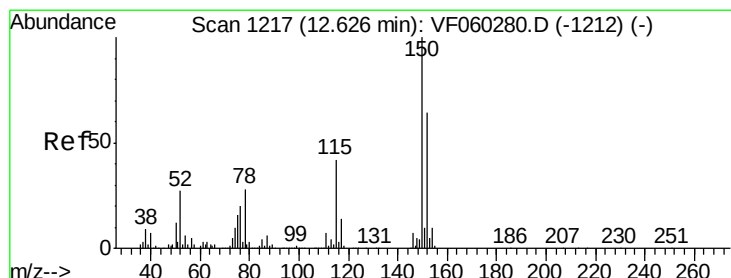
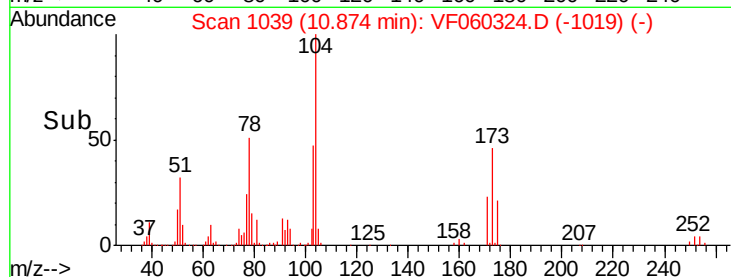
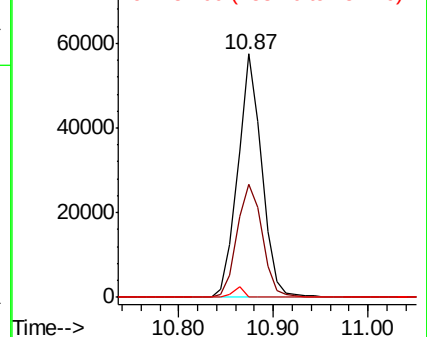


Abundance

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: 12.62 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

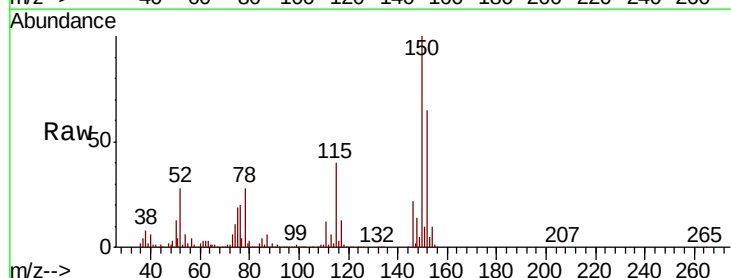
Tgt Ion:152 Resp: 222798

Ion Ratio Lower Upper

152 100

115 60.6 32.6 97.8

150 153.1 0.0 314.2

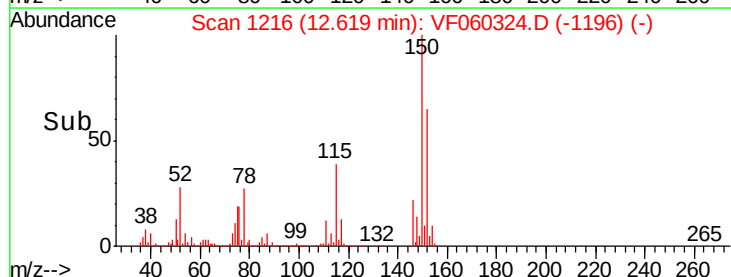
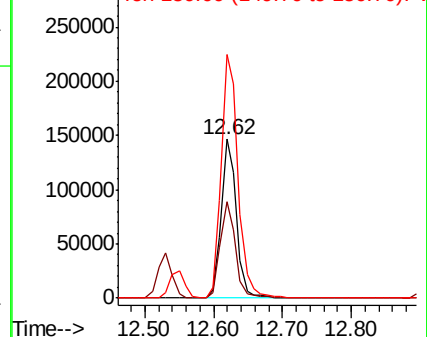


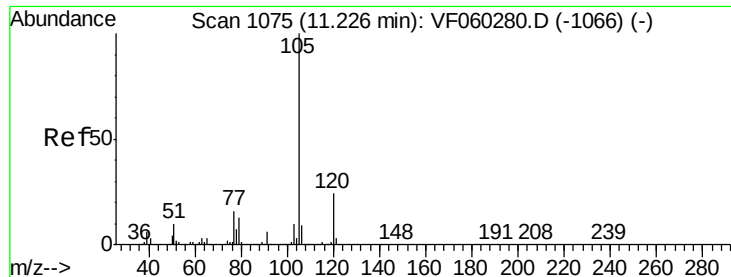
Abundance

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

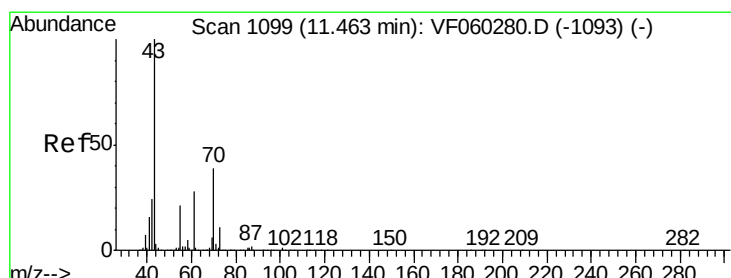
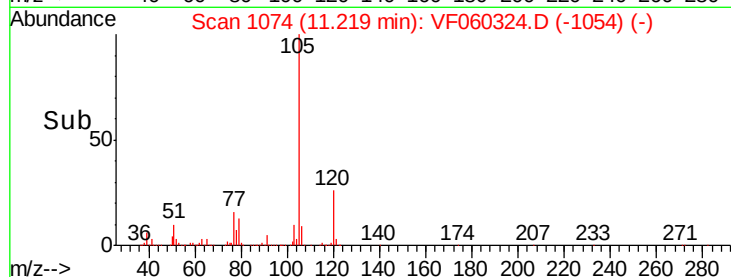
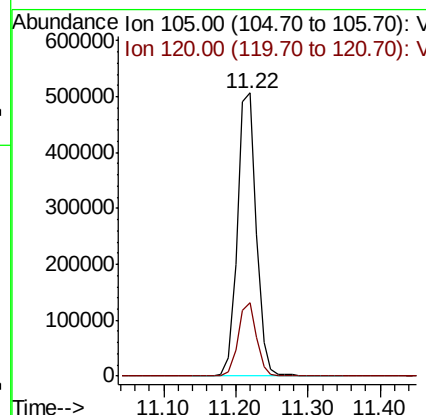
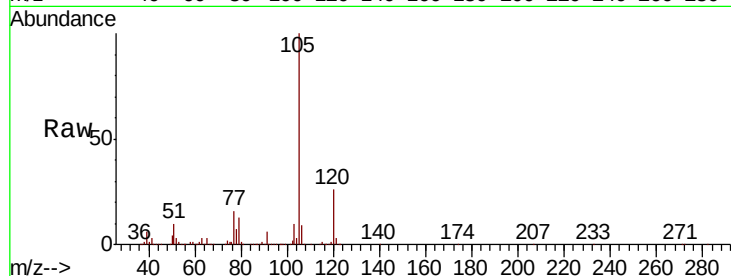




#73
Isopropylbenzene
Concen: 46.445 ug/l
RT: 11.22 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

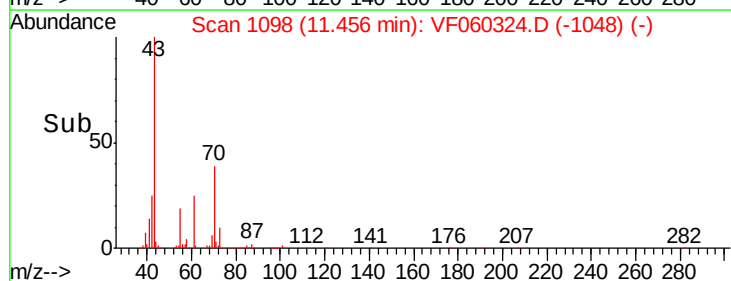
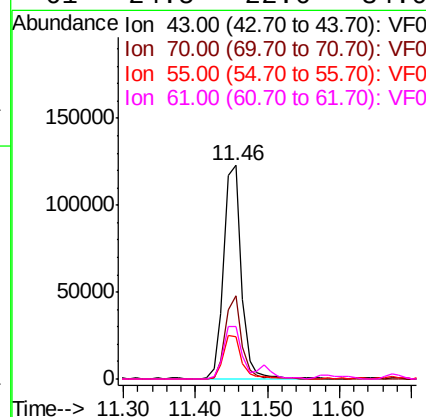
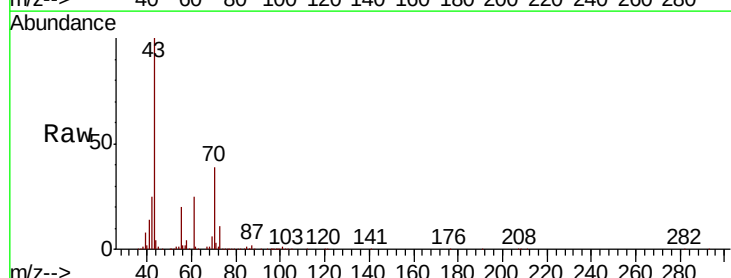
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

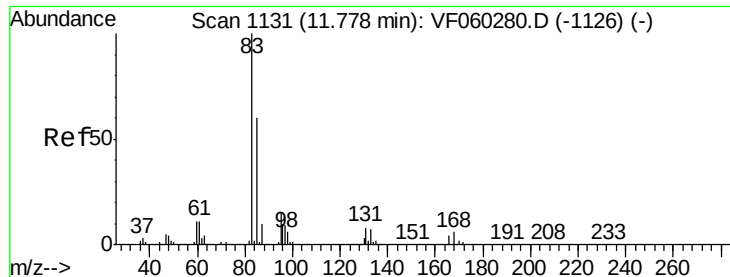
Tgt Ion: 105 Resp: 928946
Ion Ratio Lower Upper
105 100
120 25.8 12.2 36.6



#74
N-ethyl acetate
Concen: 48.757 ug/l
RT: 11.46 min Scan# 1098
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Tgt Ion: 43 Resp: 207956
Ion Ratio Lower Upper
43 100
70 38.8 31.4 47.2
55 19.7 16.8 25.2
61 24.5 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.373 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

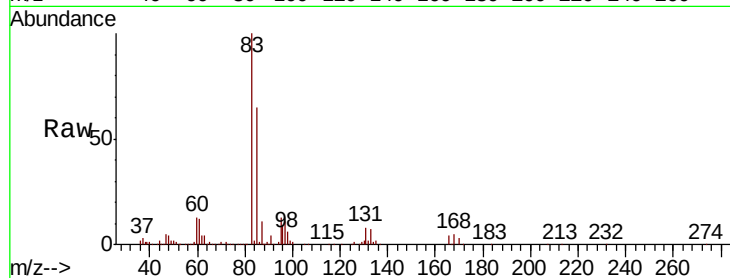
Tgt Ion: 83 Resp: 171467

Ion Ratio Lower Upper

83 100

131 8.2 4.2 12.4

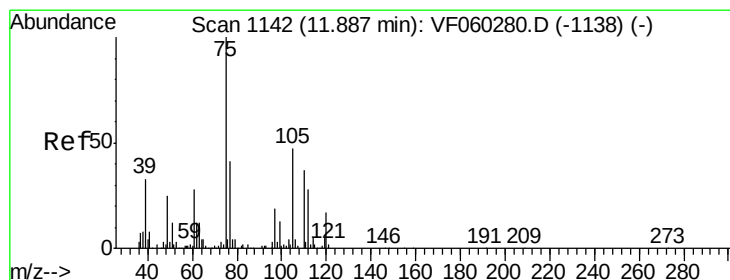
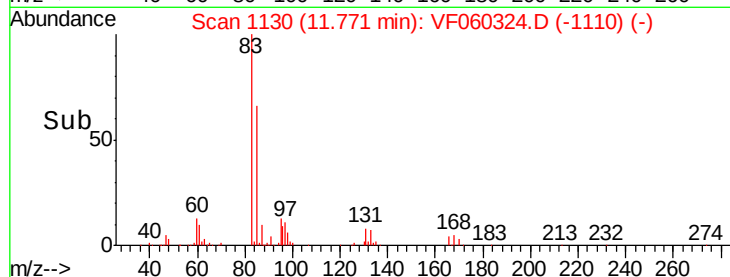
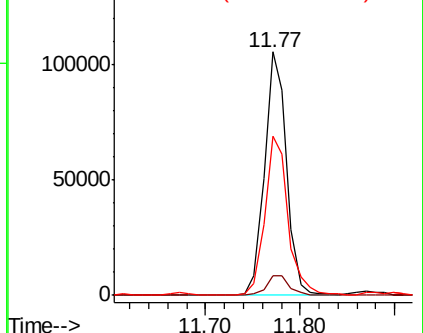
85 65.5 30.1 90.5



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: 46.304 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF060324.D

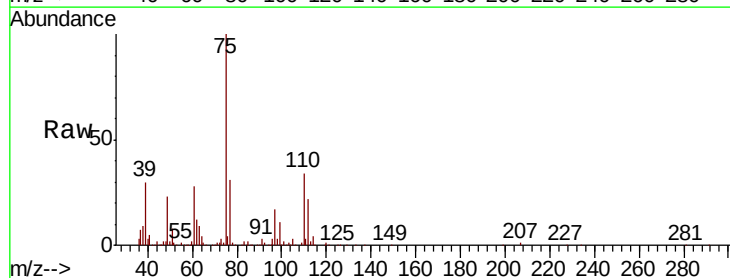
Acq: 25 Sep 2018 13:58

Tgt Ion: 75 Resp: 117521

Ion Ratio Lower Upper

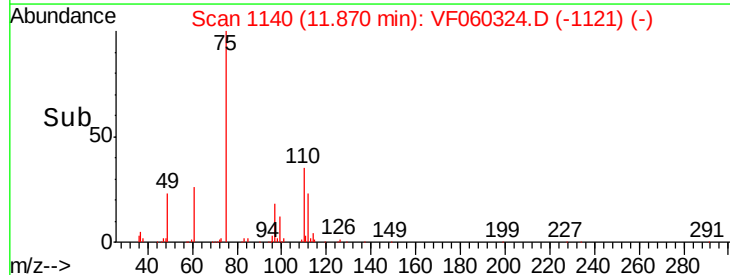
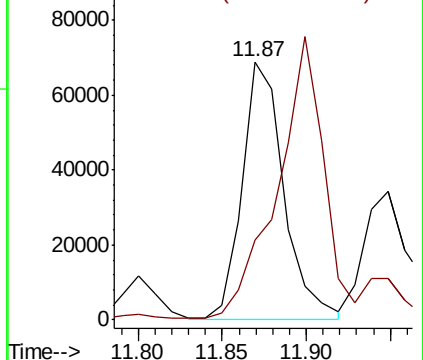
75 100

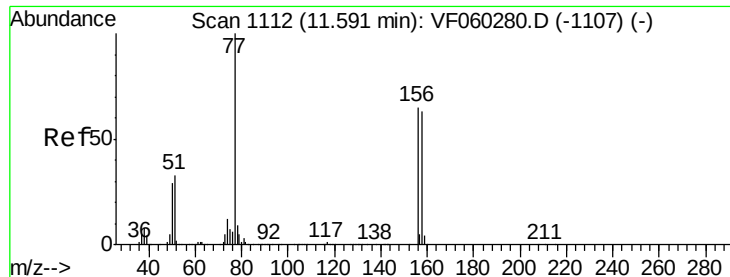
77 31.2 20.5 61.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 45.136 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

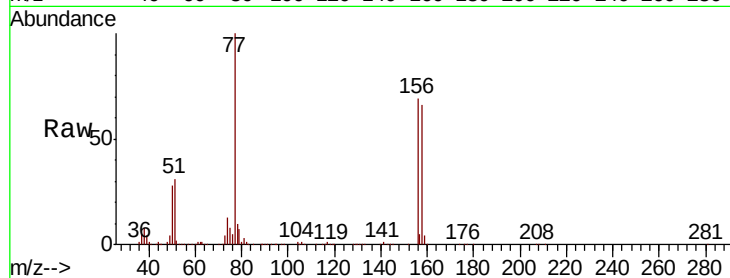
Tgt Ion:156 Resp: 194558

Ion Ratio Lower Upper

156 100

77 145.7 77.3 232.1

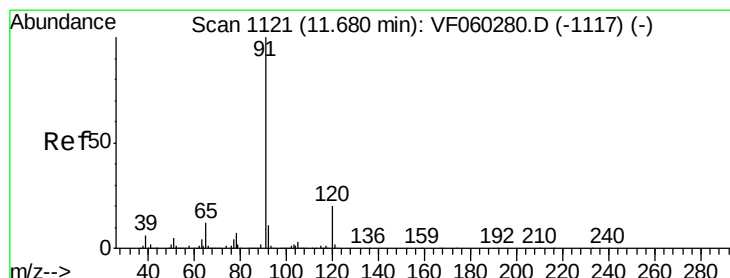
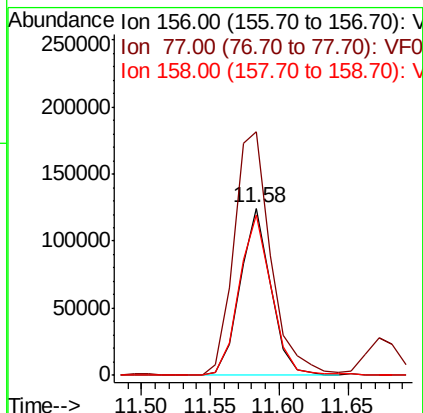
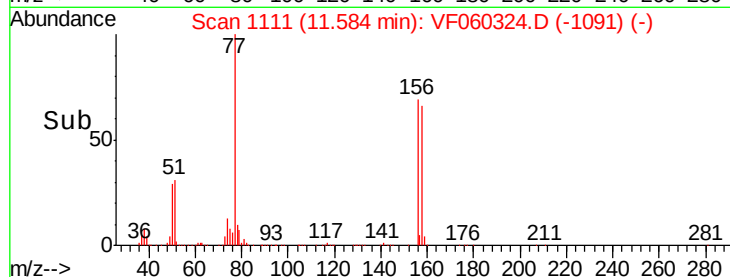
158 96.3 48.4 145.2



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: 57.122 ug/l

RT: 11.67 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF060324.D

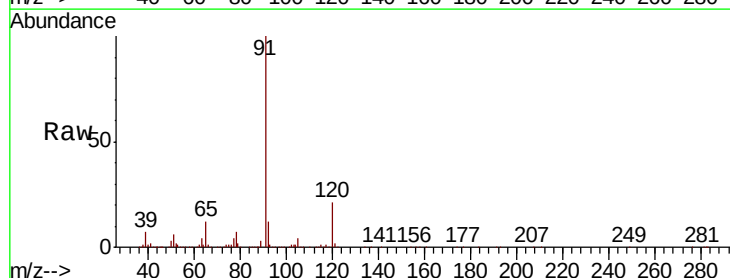
Acq: 25 Sep 2018 13:58

Tgt Ion: 91 Resp: 1102506

Ion Ratio Lower Upper

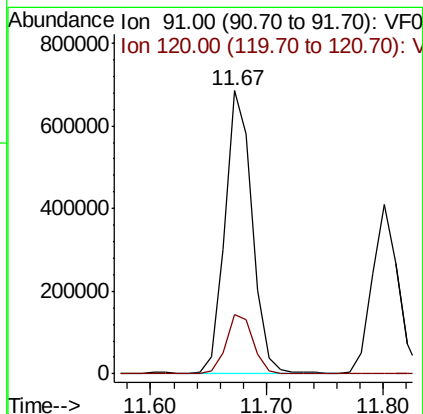
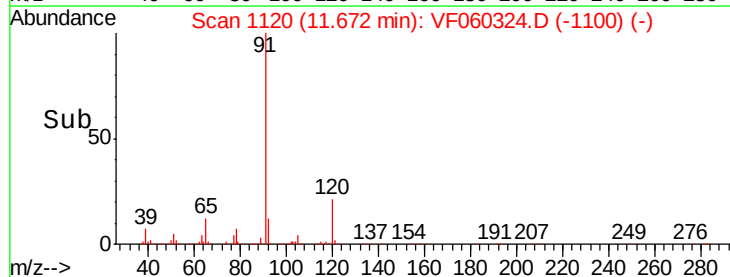
91 100

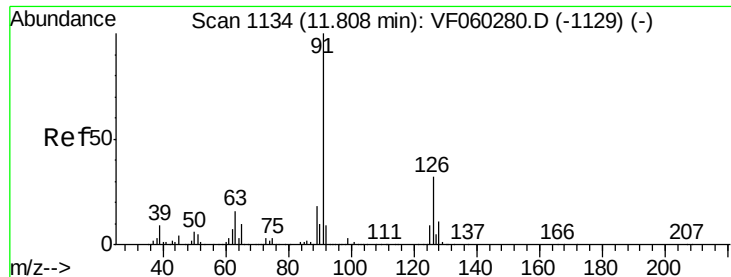
120 20.8 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.165 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

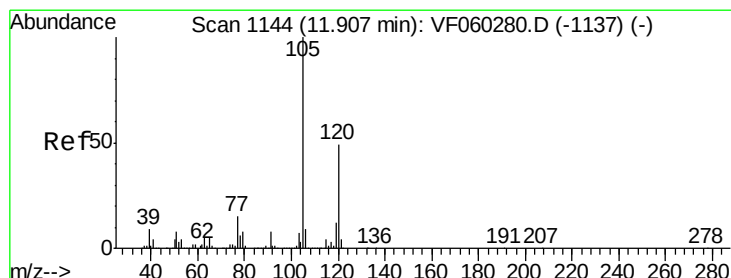
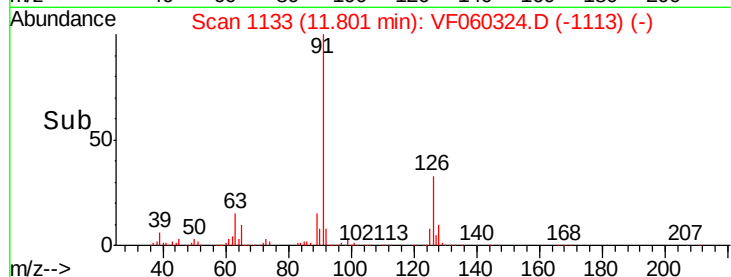
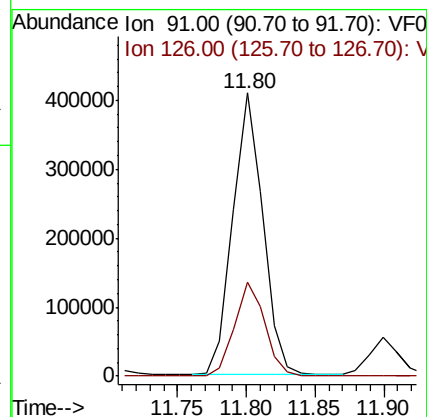
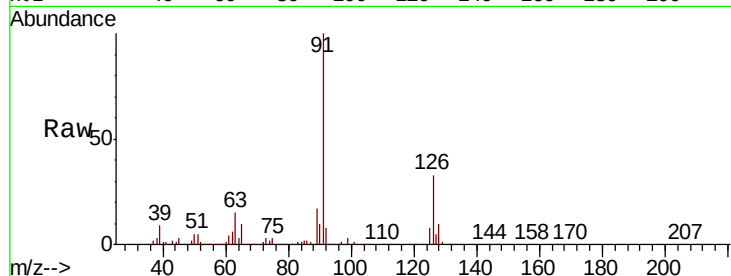
VSTDCCC050

Tgt Ion: 91 Resp: 622853

Ion Ratio Lower Upper

91 100

126 33.0 16.1 48.3



#80

1,3,5-Trimethylbenzene

Concen: 48.605 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF060324.D

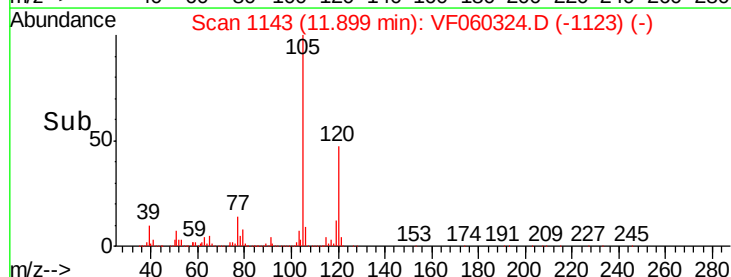
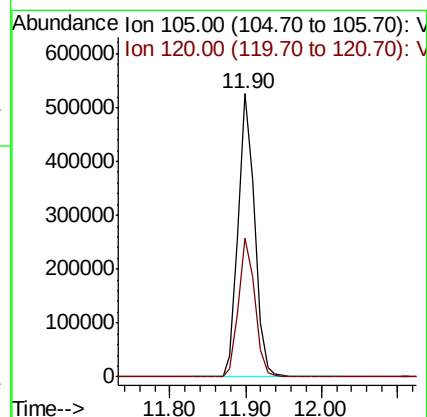
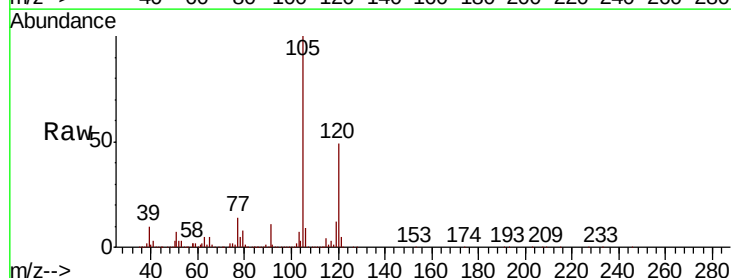
Acq: 25 Sep 2018 13:58

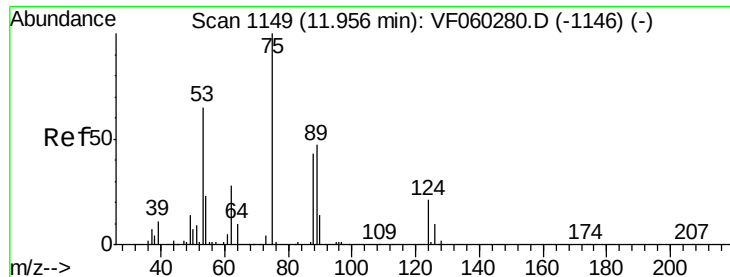
Tgt Ion: 105 Resp: 782555

Ion Ratio Lower Upper

105 100

120 48.8 24.4 73.2

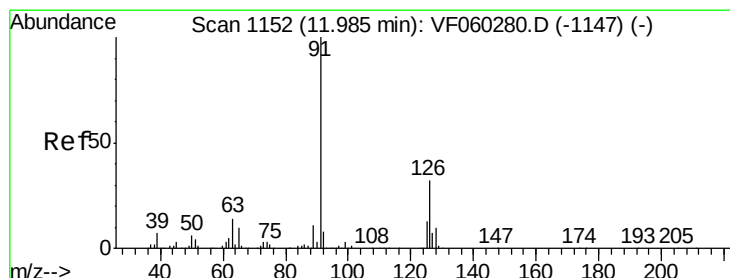
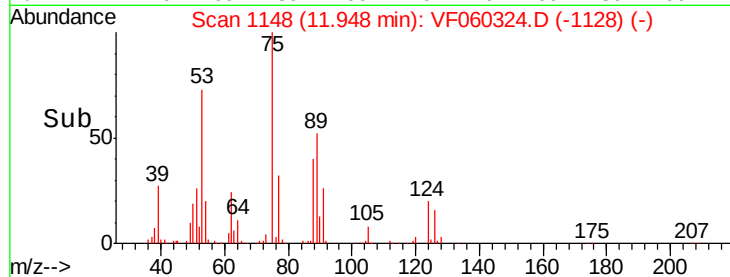
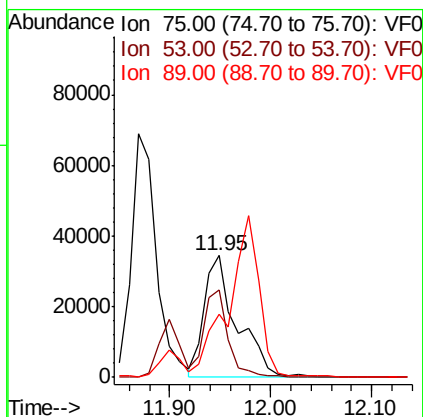
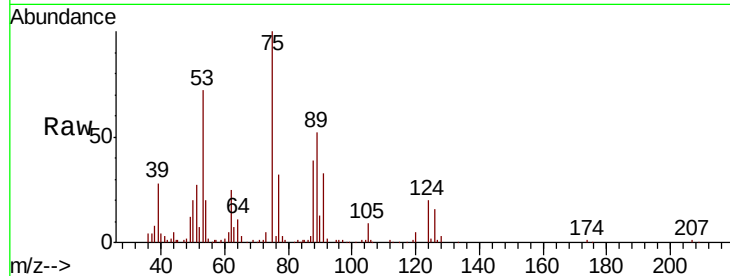




#81
trans-1,4-Dichloro-2-butene
Concen: 58.610 ug/l
RT: 11.95 min Scan# 1148
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

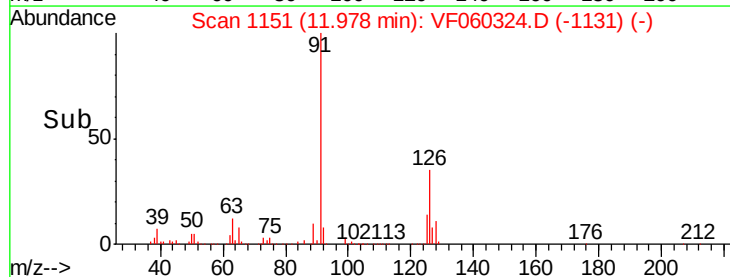
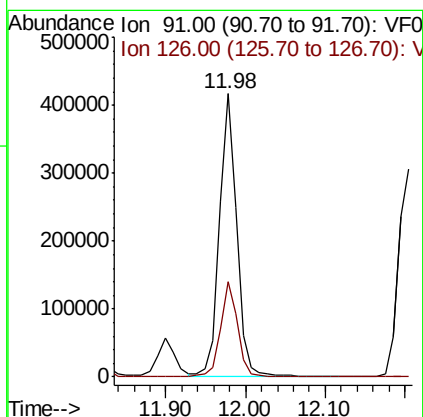
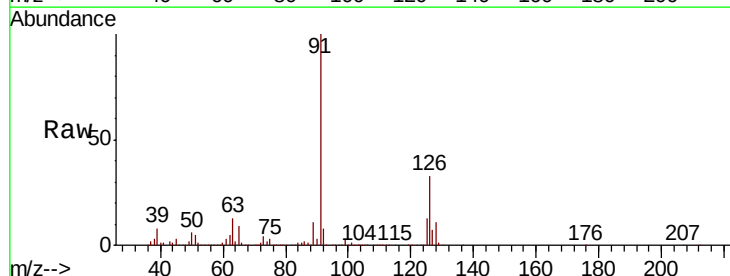
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

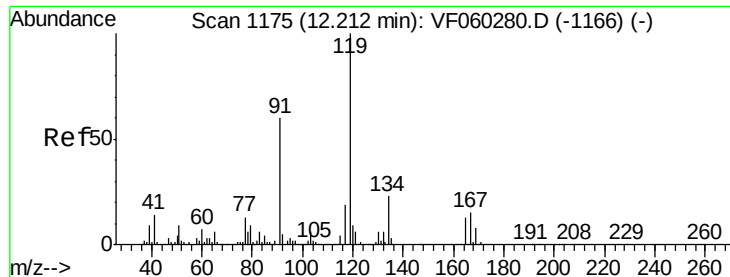
Tgt Ion: 75 Resp: 78612
Ion Ratio Lower Upper
75 100
53 72.4 56.5 84.7
89 51.8 40.6 60.8



#82
4-Chlorotoluene
Concen: 47.132 ug/l
RT: 11.98 min Scan# 1151
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Tgt Ion: 91 Resp: 639145
Ion Ratio Lower Upper
91 100
126 33.5 16.1 48.2

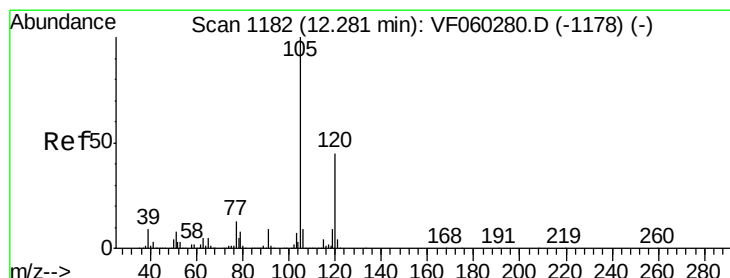
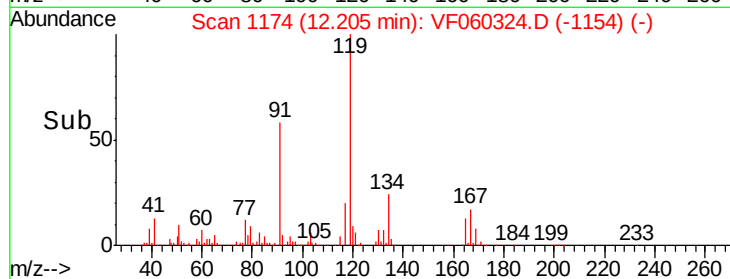
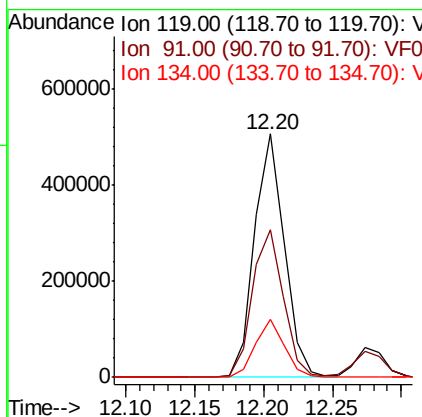
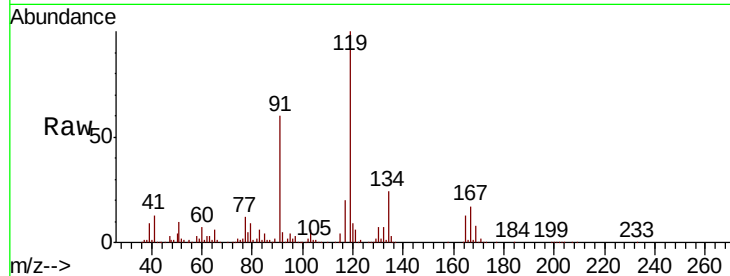




#83
 tert-Butylbenzene
 Concen: 47.542 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

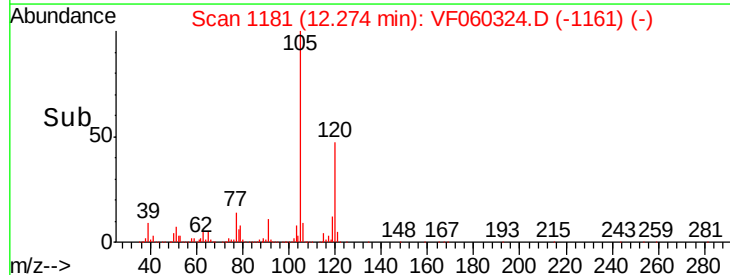
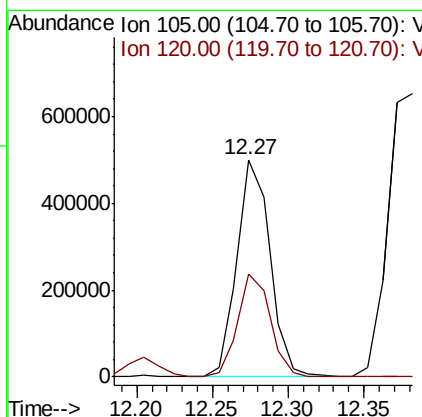
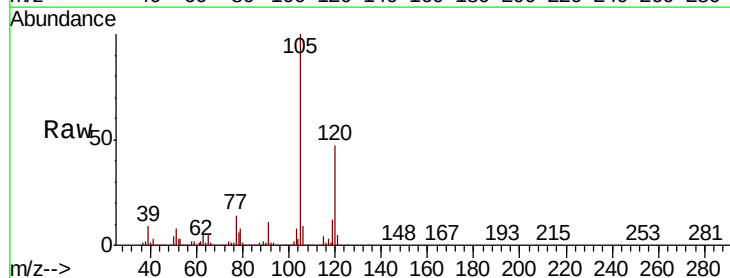
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

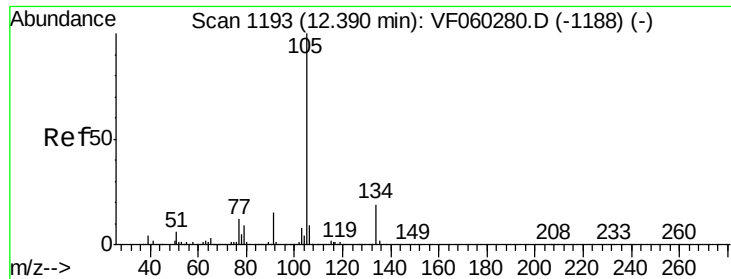
Tgt Ion:119 Resp: 775943
 Ion Ratio Lower Upper
 119 100
 91 60.4 30.3 91.0
 134 24.1 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 46.669 ug/l
 RT: 12.27 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

Tgt Ion:105 Resp: 762974
 Ion Ratio Lower Upper
 105 100
 120 47.2 22.4 67.0





#85

sec-Butylbenzene

Concen: 57.771 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

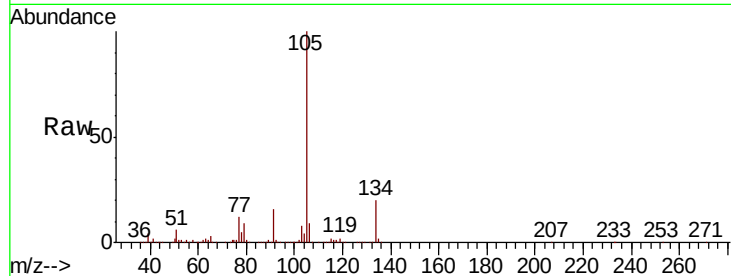
VSTDCCC050

Tgt Ion:105 Resp: 1073199

Ion Ratio Lower Upper

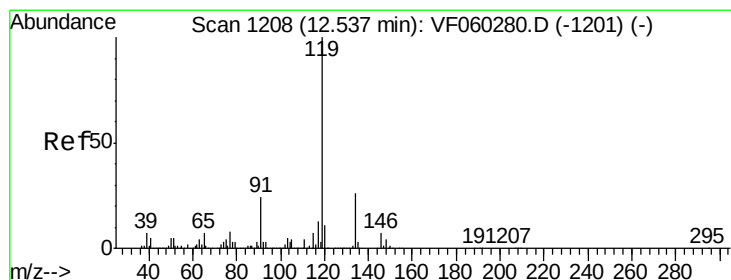
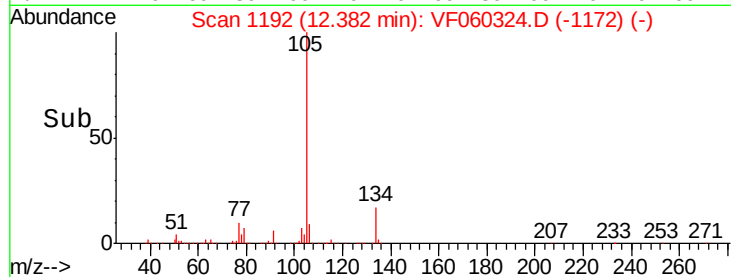
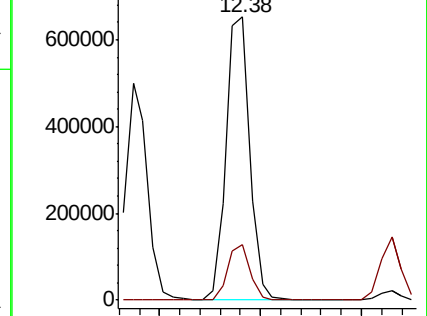
105 100

134 19.5 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.899 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

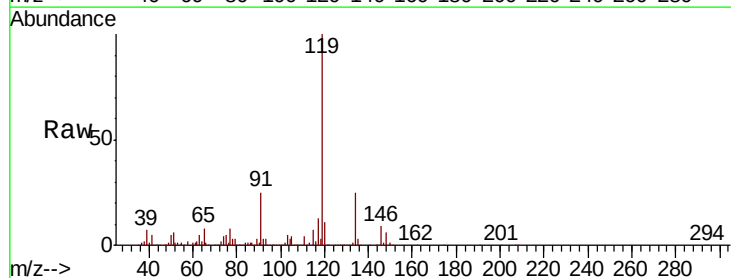
Tgt Ion:119 Resp: 834594

Ion Ratio Lower Upper

119 100

134 25.3 12.9 38.7

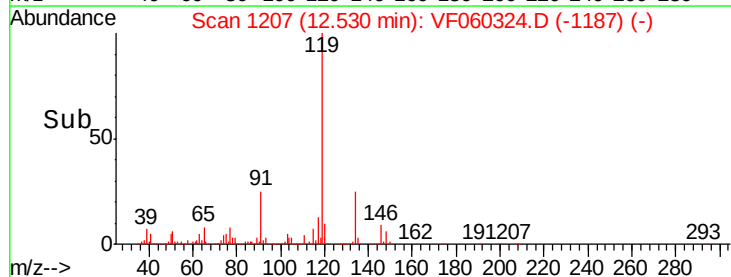
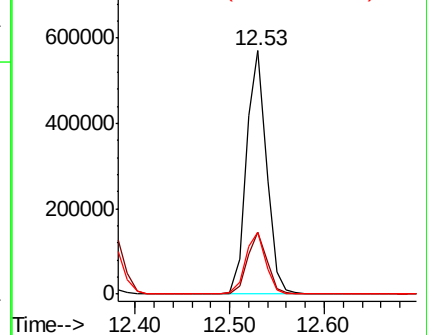
91 25.3 11.9 35.7

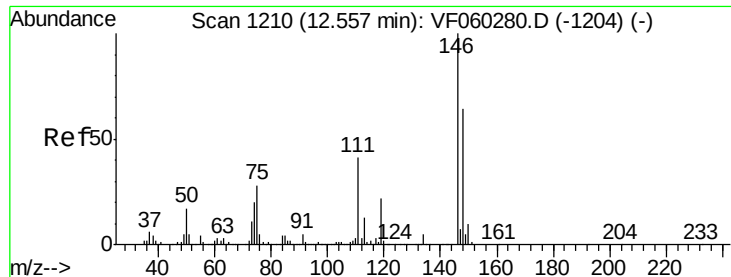


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

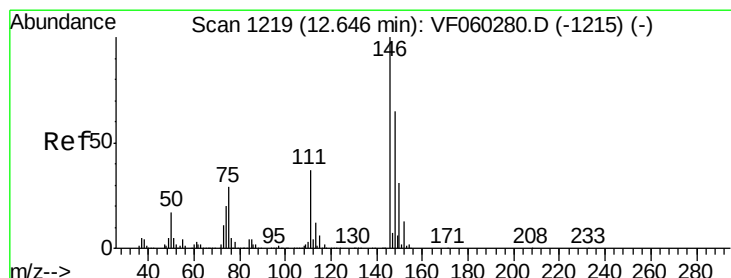
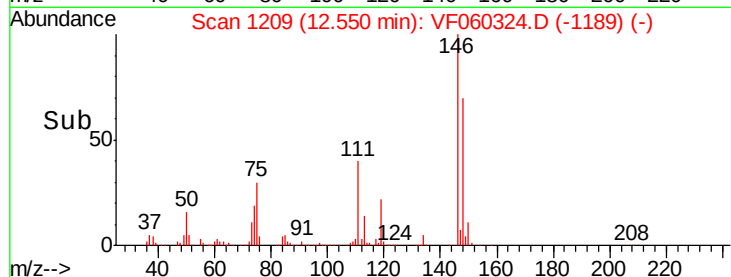
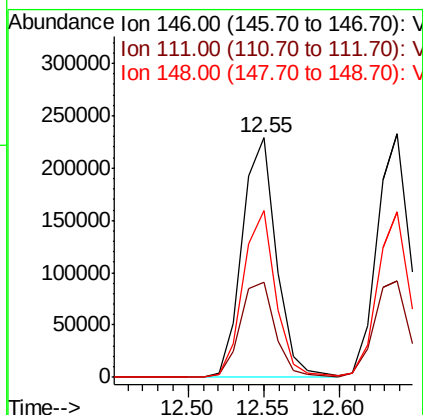
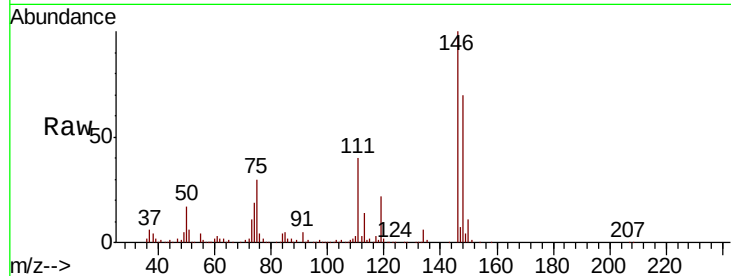




#87
 1,3-Dichlorobenzene
 Concen: 44.639 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

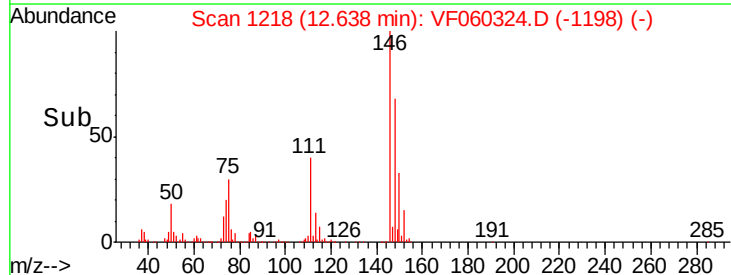
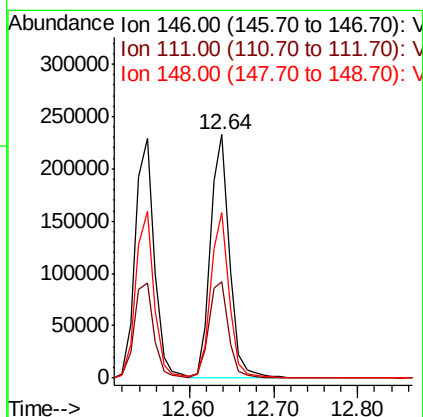
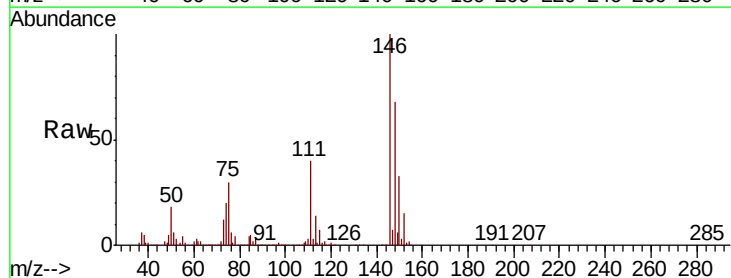
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

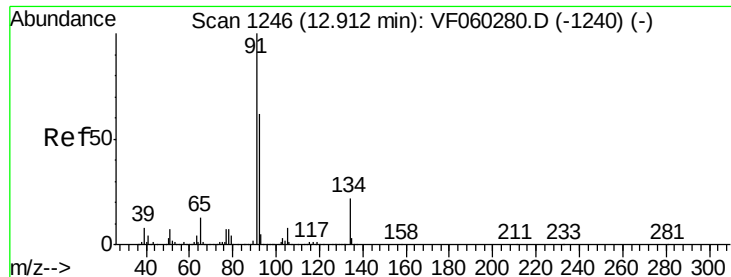
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.5	61.6
148	69.7	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 45.776 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.7	56.1
148	67.7	32.4	97.0

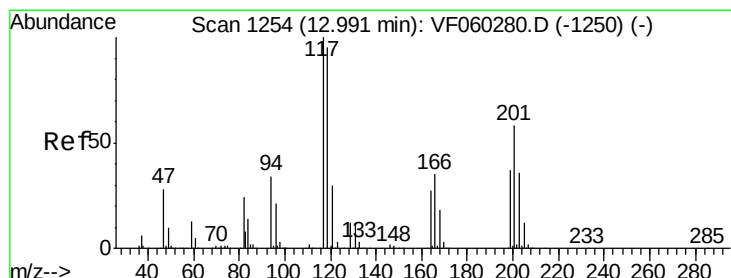
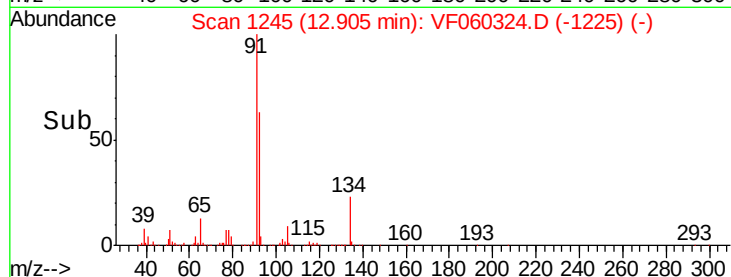
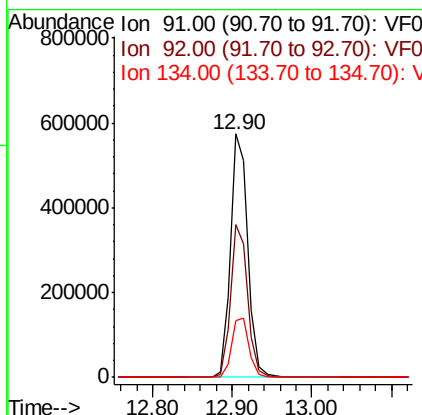
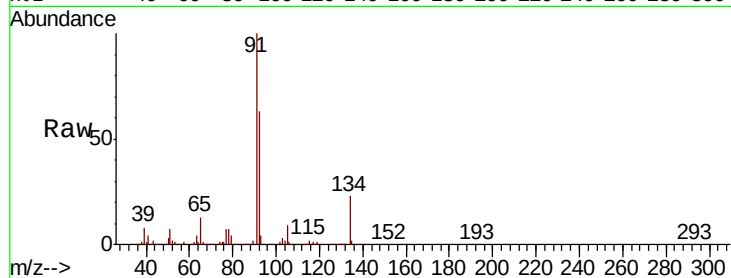




#89
n-Butylbenzene
Concen: 52.279 ug/l
RT: 12.90 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

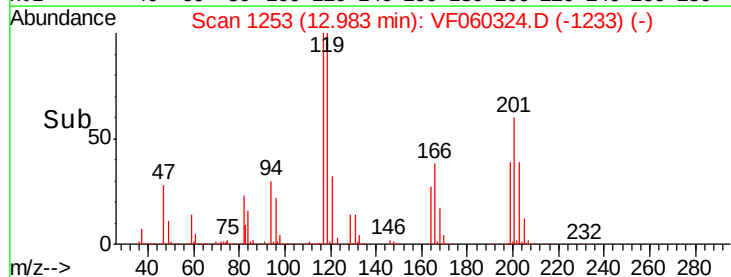
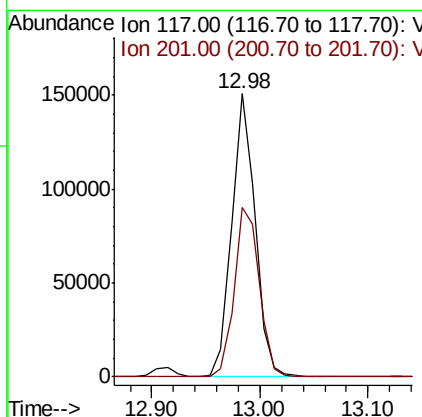
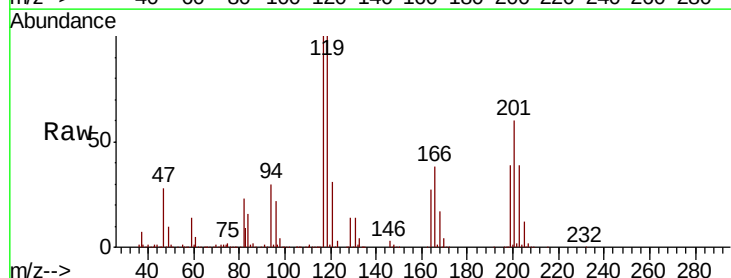
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

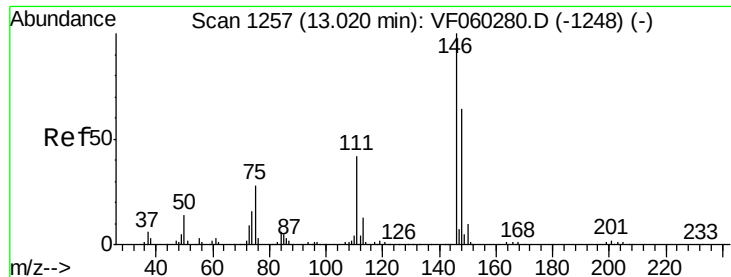
Tgt Ion: 91 Resp: 880893
Ion Ratio Lower Upper
91 100
92 63.0 31.1 93.5
134 23.2 11.0 33.0



#90
Hexachloroethane
Concen: 49.899 ug/l
RT: 12.98 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Tgt Ion: 117 Resp: 227891
Ion Ratio Lower Upper
117 100
201 60.0 29.0 87.0

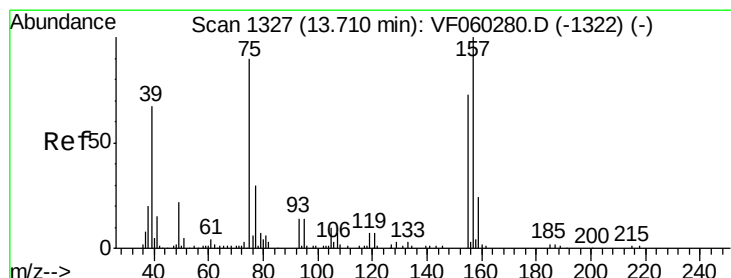
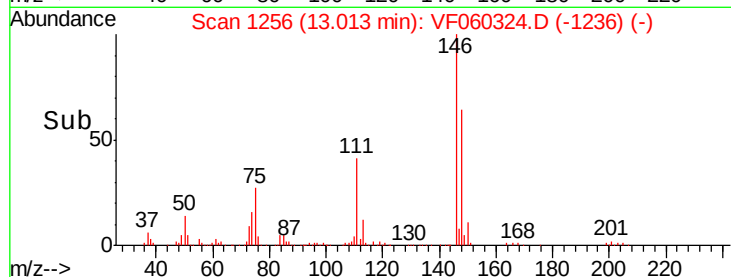
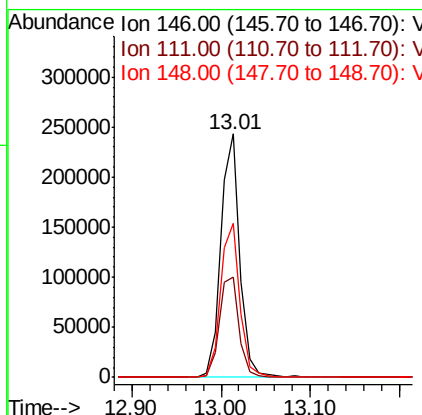
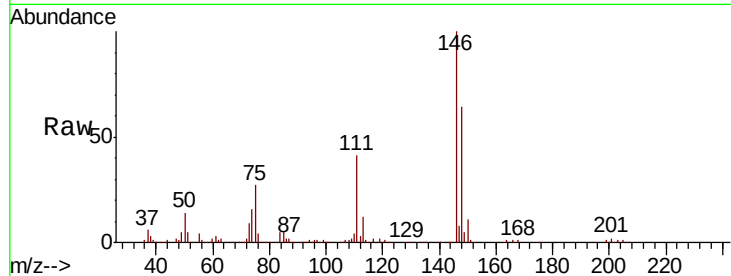




#91
 1,2-Dichlorobenzene
 Concen: 47.206 ug/l
 RT: 13.01 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

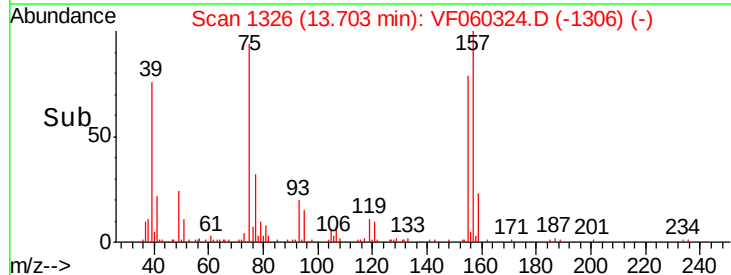
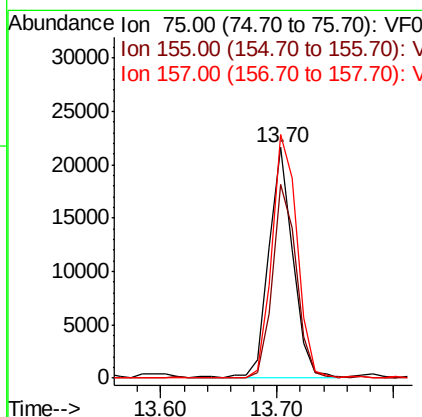
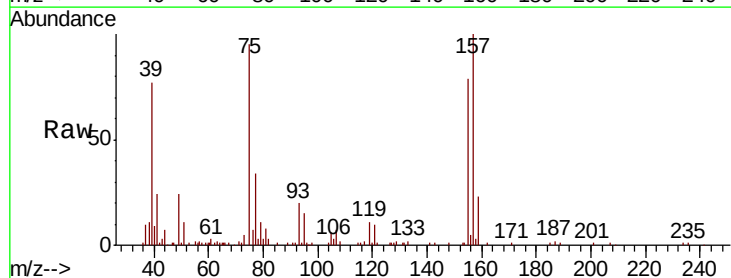
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

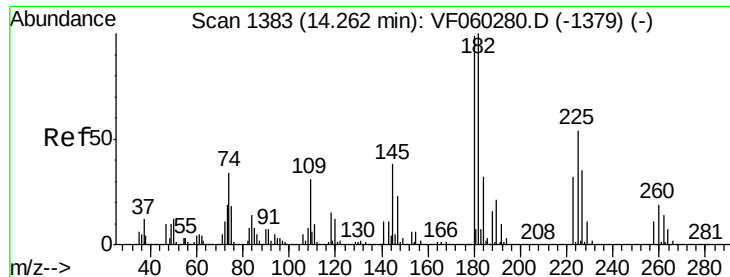
Tgt Ion: 146 Resp: 362722
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.9 62.8
 148 63.5 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.689 ug/l
 RT: 13.70 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

Tgt Ion: 75 Resp: 31072
 Ion Ratio Lower Upper
 75 100
 155 84.0 41.9 125.7
 157 105.7 57.4 172.0

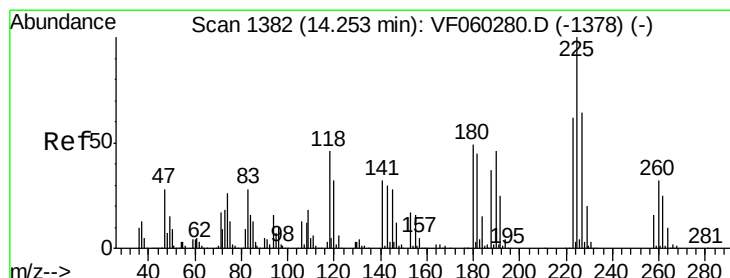
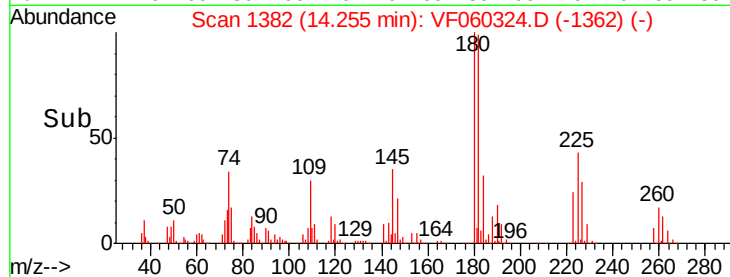
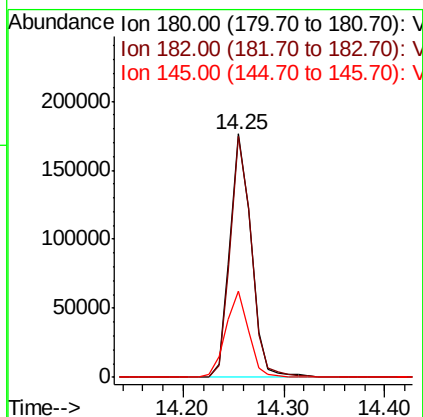
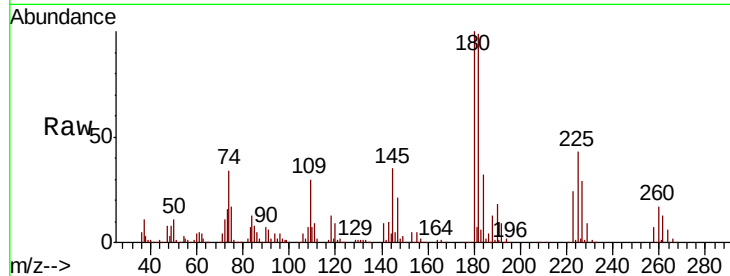




#93
 1,2,4-Trichlorobenzene
 Concen: 46.319 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

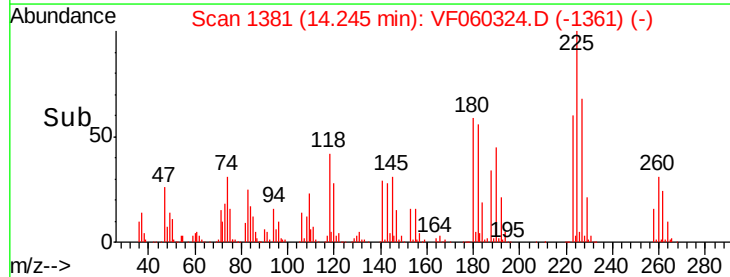
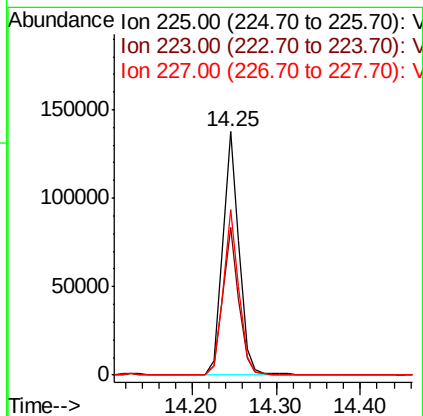
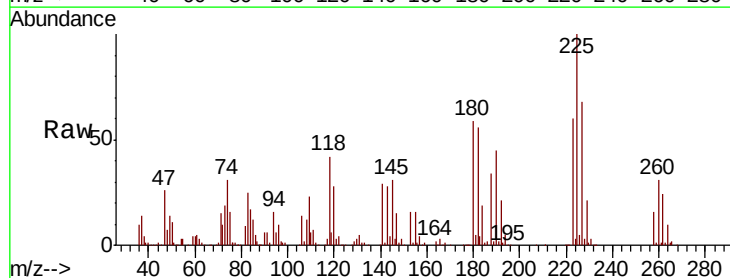
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

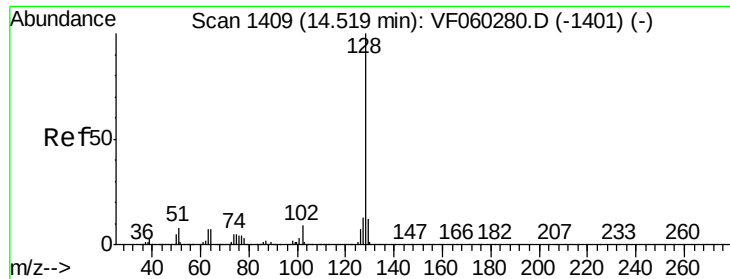
Tgt Ion:180 Resp: 258687
 Ion Ratio Lower Upper
 180 100
 182 98.8 50.3 151.0
 145 35.5 18.9 56.9



#94
 Hexachlorobutadiene
 Concen: 48.765 ug/l
 RT: 14.25 min Scan# 1381
 Delta R.T. -0.01 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

Tgt Ion:225 Resp: 184108
 Ion Ratio Lower Upper
 225 100
 223 60.5 31.2 93.6
 227 67.9 32.2 96.6

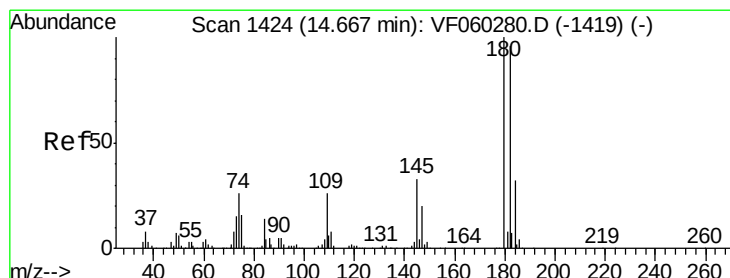
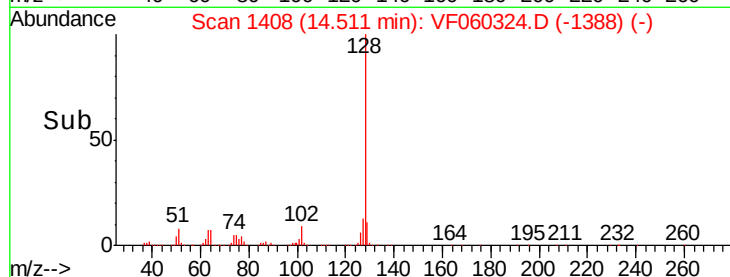
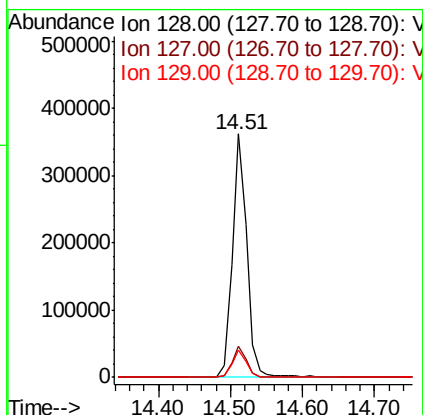
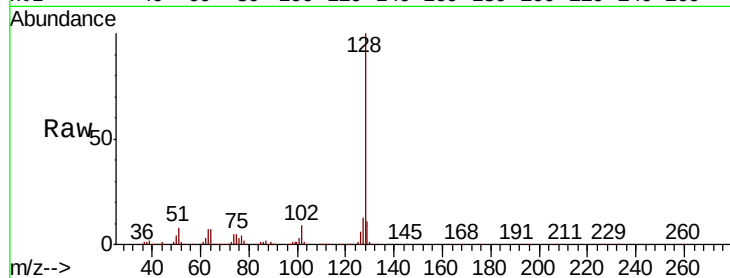




#95
Naphthalene
Concen: 51.678 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	11.0	9.8	14.8



#96
1,2,3-Trichlorobenzene
Concen: 50.341 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.8	143.4
145	32.7	16.4	49.1

