

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
 Data File : VF060435.D
 Acq On : 4 Oct 2018 1:10
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 04 05:26:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	309896	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.75	114	523670	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	443031	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	225825	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	218058	44.97	ug/l	0.01
Spiked Amount			Recovery	=	89.94%	
35) Dibromofluoromethane	4.28	113	234525	47.67	ug/l	0.01
Spiked Amount			Recovery	=	95.34%	
50) Toluene-d8	7.70	98	586789	48.43	ug/l	0.01
Spiked Amount			Recovery	=	96.86%	
62) 4-Bromofluorobenzene	11.50	95	245183	44.32	ug/l	0.01
Spiked Amount			Recovery	=	88.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	279321	40.911	ug/l	93
3) Chloromethane	1.12	50	193220	45.916	ug/l	98
4) Vinyl Chloride	1.17	62	202092	46.166	ug/l	100
5) Bromomethane	1.36	94	153902	45.389	ug/l	100
6) Chloroethane	1.43	64	101192	46.322	ug/l	100
7) Trichlorofluoromethane	1.54	101	429661	42.304	ug/l	99
8) Diethyl Ether	1.69	74	64326	46.215	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.89	101	212444	43.668	ug/l	96
10) Methyl Iodide	1.96	142	348875	47.024	ug/l	95
11) Tert butyl alcohol	2.67	59	65096	221.934	ug/l #	86
12) 1,1-Dichloroethene	1.85	96	179220	47.678	ug/l	88
13) Acrolein	2.09	56	44981	190.691	ug/l	98
14) Allyl chloride	2.18	41	278019	46.158	ug/l	91
15) Acrylonitrile	3.06	53	137905	274.389	ug/l #	89
16) Acetone	2.33	43	205340	200.930	ug/l	97
17) Carbon Disulfide	1.89	76	526489	46.254	ug/l	99
18) Methyl Acetate	2.44	43	90456	49.620	ug/l	92
19) Methyl tert-butyl Ether	2.53	73	423044	46.206	ug/l	96
20) Methylene Chloride	2.27	84	93396	23.429	ug/l	94
21) trans-1,2-Dichloroethene	2.40	96	184051	49.025	ug/l	93
22) Diisopropyl ether	2.92	45	566275	51.796	ug/l	94
23) Vinyl Acetate	3.32	43	1071586	246.745	ug/l	97
24) 1,1-Dichloroethane	2.99	63	378009	51.129	ug/l	99
25) 2-Butanone	4.49	43	292620	233.051	ug/l	95
26) 2,2-Dichloropropane	3.75	77	183030	43.710	ug/l	95
27) cis-1,2-Dichloroethene	3.62	96	211120	50.296	ug/l	91
28) Bromochloromethane	3.87	49	137040	50.294	ug/l	95
29) Tetrahydrofuran	4.24	42	124138	262.687	ug/l	95
30) Chloroform	4.02	83	425559	46.648	ug/l	92
31) Cyclohexane	3.85	56	265229	49.960	ug/l	92
32) 1,1,1-Trichloroethane	4.26	97	345518	45.514	ug/l	96
36) 1,1-Dichloropropene	4.44	75	305162	47.265	ug/l	97
37) Ethyl Acetate	4.27	43	119719	48.422	ug/l	97
38) Carbon Tetrachloride	4.15	117	369351	46.997	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	330330	52.189	ug/l	91
40) Benzene	4.79	78	665446	51.918	ug/l	100
41) Methacrylonitrile	4.90	41	67350	51.376	ug/l	93
42) 1,2-Dichloroethane	5.10	62	267633	43.768	ug/l	98
43) Isopropyl Acetate	7.10	43	151603	50.739	ug/l	98
44) Trichloroethene	5.66	130	202576	49.258	ug/l	95
45) 1,2-Dichloropropane	6.39	63	181655	53.219	ug/l	95
46) Dibromomethane	6.24	93	122608	44.676	ug/l	88
47) Bromodichloromethane	6.53	83	310407	45.669	ug/l	96
48) Methyl methacrylate	6.86	41	99371	46.331	ug/l	93
49) 1,4-Dioxane	6.85	88	17441	943.120	ug/l #	76
51) 4-Methyl-2-Pentanone	8.39	43	523540	246.152	ug/l	92
52) Toluene	7.77	92	425393	48.863	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	241798	45.394	ug/l	98
54) cis-1,3-Dichloropropene	7.44	75	294916	47.373	ug/l	99
55) 1,1,2-Trichloroethane	8.62	97	128404	46.532	ug/l	93
56) Ethyl methacrylate	8.74	69	154704	49.337	ug/l	93
57) 1,3-Dichloropropane	8.98	76	221342	47.414	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.77	63	69801	217.928	ug/l	100
59) 2-Hexanone	9.62	43	360202	230.891	ug/l	97
60) Dibromochloromethane	8.85	129	190289	45.800	ug/l	95
61) 1,2-Dibromoethane	9.12	107	150590	49.873	ug/l	99
64) Tetrachloroethene	8.29	164	190016	53.954	ug/l	97
65) Chlorobenzene	9.93	112	477058	52.420	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.05	131	188511	47.440	ug/l	97
67) Ethyl Benzene	10.02	91	848573	49.039	ug/l	100
68) m/p-Xylenes	10.25	106	572602	96.260	ug/l	95
69) o-Xylene	10.81	106	323339	49.868	ug/l	100
70) Styrene	10.89	104	459224	49.792	ug/l	95
71) Bromoform	10.88	173	101329	47.896	ug/l	96
73) Isopropylbenzene	11.22	105	934988	52.584	ug/l	97
74) N-amyl acetate	11.45	43	233312	57.173	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	172216	53.125	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	124285	52.078	ug/l	95
77) Bromobenzene	11.58	156	206497	51.953	ug/l	93
78) n-propylbenzene	11.68	91	1105857	51.302	ug/l	98
79) 2-Chlorotoluene	11.81	91	636589	50.486	ug/l	90
80) 1,3,5-Trimethylbenzene	11.91	105	755779	50.029	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.95	75	74427	70.353	ug/l	94
82) 4-Chlorotoluene	11.99	91	647764	50.209	ug/l	92
83) tert-Butylbenzene	12.20	119	753145	50.546	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	745592	49.766	ug/l	100
85) sec-Butylbenzene	12.38	105	1055384	51.315	ug/l	100
86) p-Isopropyltoluene	12.53	119	888474	52.877	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	390544	52.216	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	372840	50.554	ug/l	97
89) n-Butylbenzene	12.91	91	874673	49.194	ug/l	99
90) Hexachloroethane	12.99	117	216592	49.874	ug/l	75
91) 1,2-Dichlorobenzene	13.01	146	363569	50.733	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	31886	50.738	ug/l	89

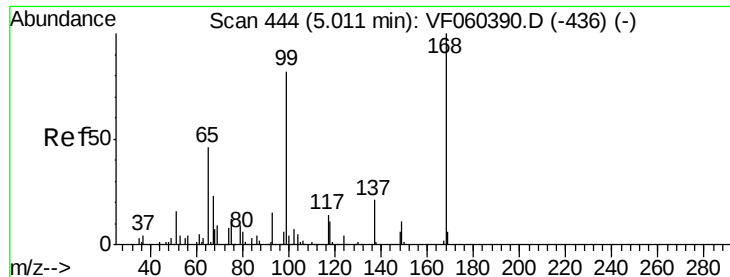
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	273342	51.031	ug/l	97
94) Hexachlorobutadiene	14.25	225	183488	49.082	ug/l	95
95) Naphthalene	14.52	128	514873	53.762	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	257708	51.326	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

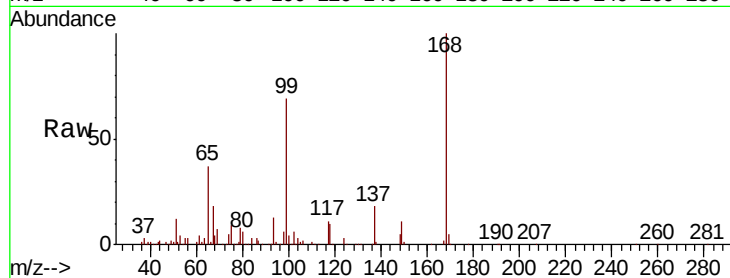
VSTDCCC050EC

Tot Ion:168 Resp: 309896

Ion Ratio Lower Upper

168 100

99 69.2 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

120000

100000

80000

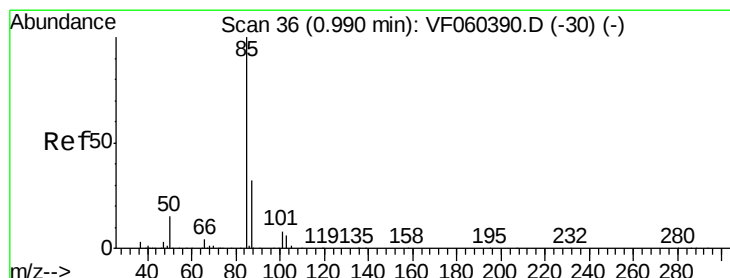
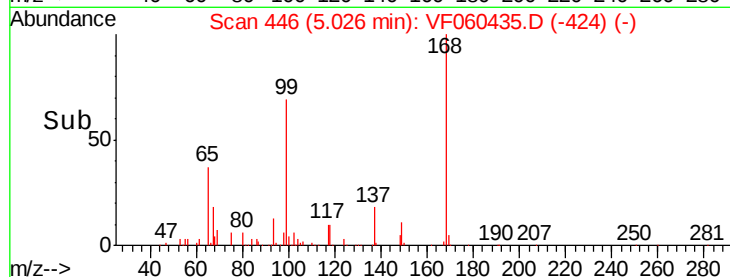
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 40.911 ug/l

RT: 0.99 min Scan# 37

Delta R.T. 0.01 min

Lab File: VF060435.D

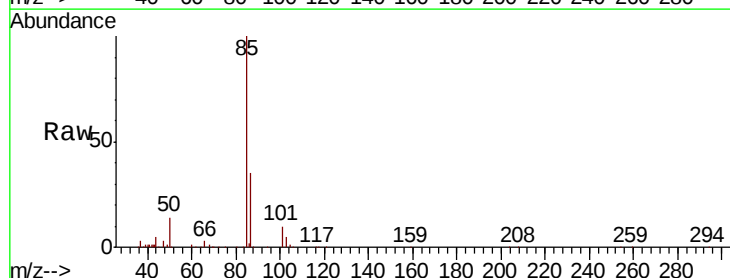
Acq: 4 Oct 2018 1:10

Tgt Ion: 85 Resp: 279321

Ion Ratio Lower Upper

85 100

87 35.4 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

120000

100000

80000

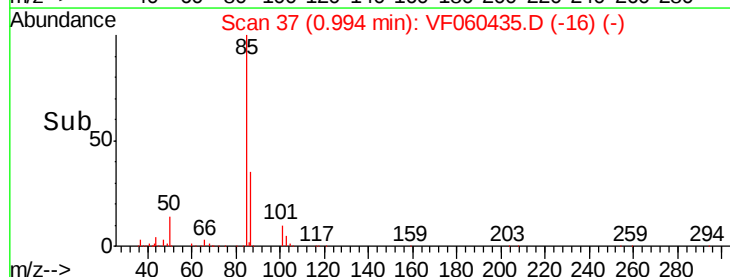
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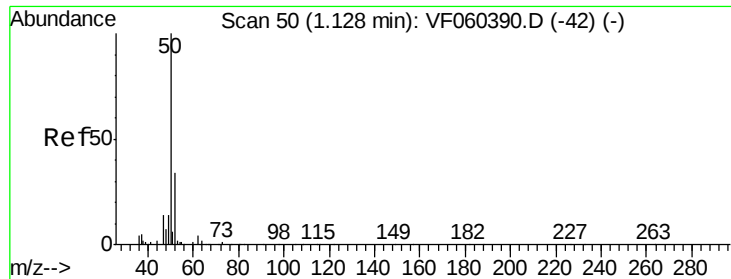
40000

20000

0

Time-->





#3

Chloromethane

Concen: 45.916 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

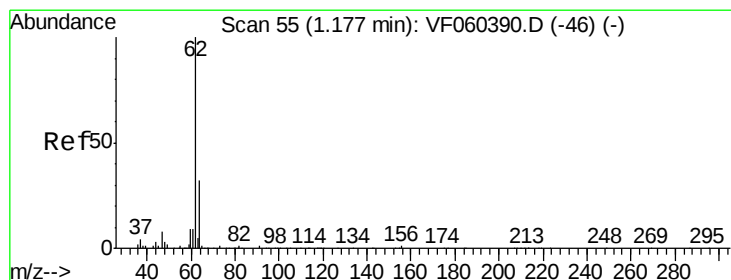
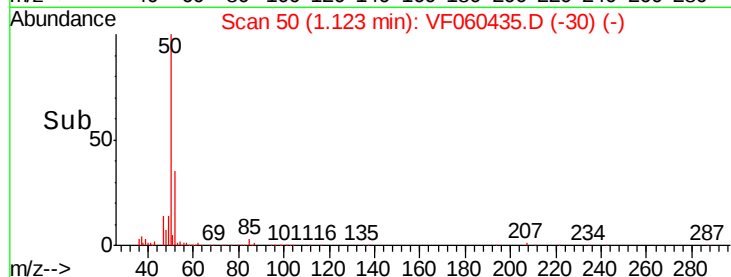
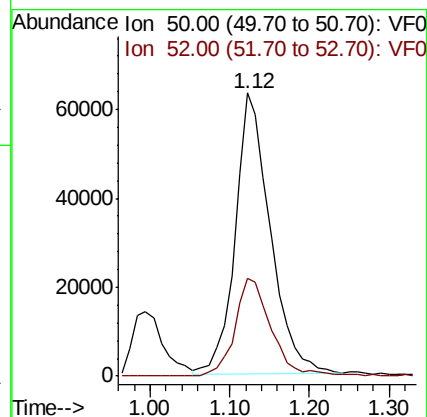
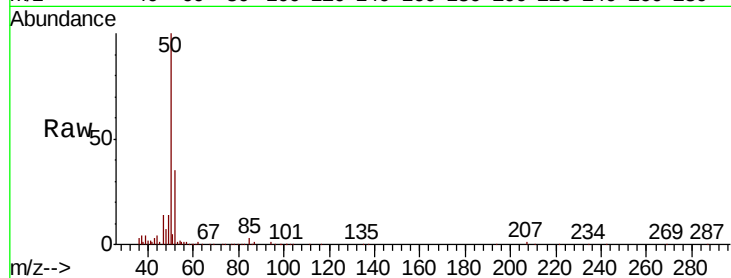
VSTDCCC050EC

Tot Ion: 50 Resp: 193220

Ion Ratio Lower Upper

50 100

52 34.7 26.9 40.3



#4

Vinyl Chloride

Concen: 46.166 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060435.D

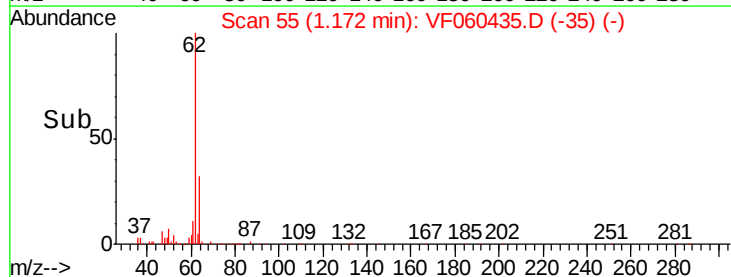
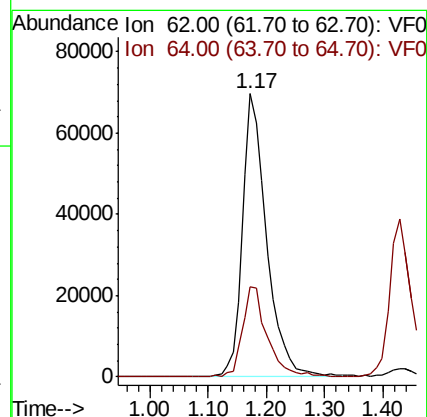
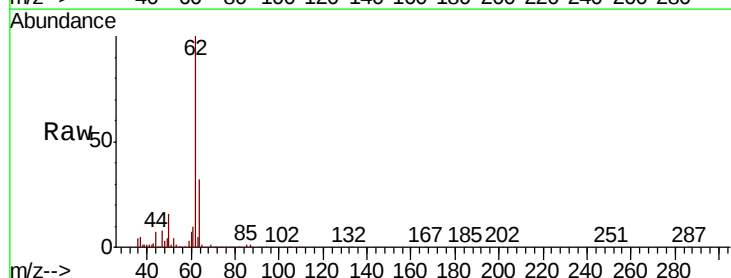
Acq: 4 Oct 2018 1:10

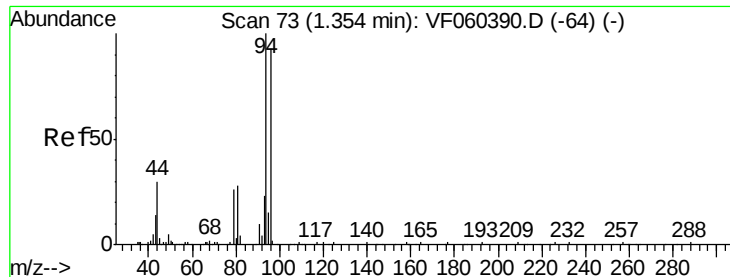
Tgt Ion: 62 Resp: 202092

Ion Ratio Lower Upper

62 100

64 32.0 25.8 38.6





#5

Bromomethane

Concen: 45.389 ug/l

RT: 1.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

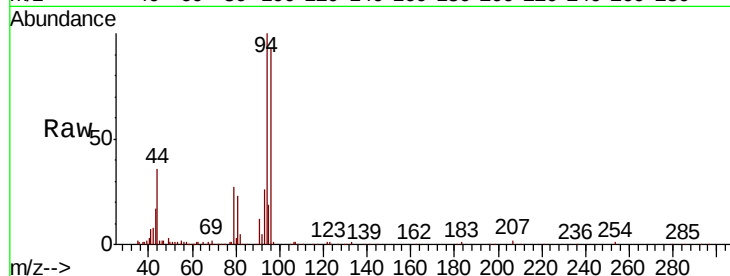
VSTDCCC050EC

Tot Ion: 94 Resp: 153902

Ion Ratio Lower Upper

94 100

96 93.3 74.3 111.5



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.36

40000

30000

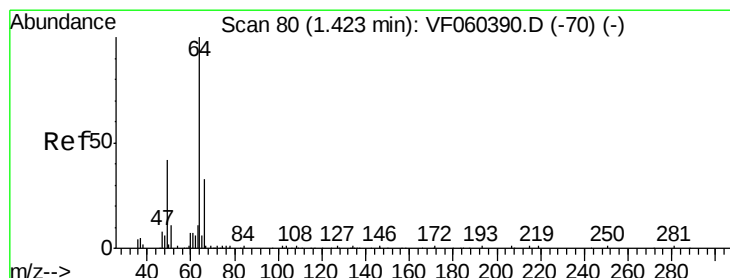
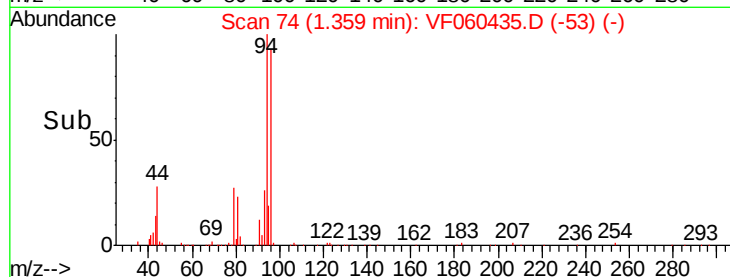
20000

10000

0

Time-->

1.20 1.30 1.40 1.50 1.60



#6

Chloroethane

Concen: 46.322 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF060435.D

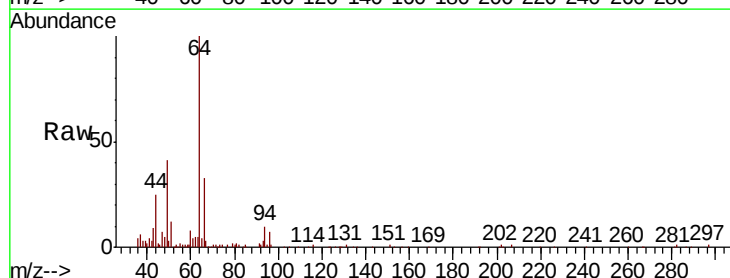
Acq: 4 Oct 2018 1:10

Tgt Ion: 64 Resp: 101192

Ion Ratio Lower Upper

64 100

66 32.9 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.43

40000

30000

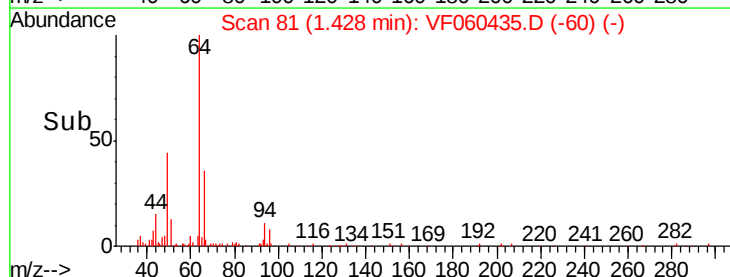
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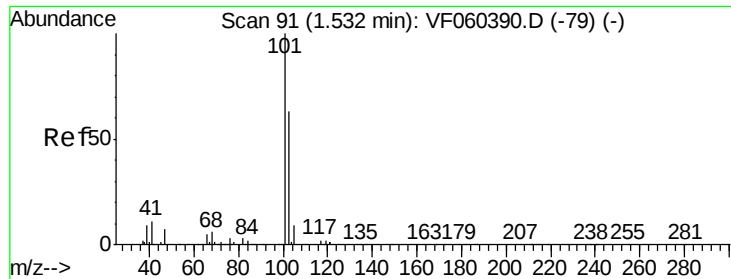
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Time-->

1.30 1.40 1.50





#7

Trichlorofluoromethane

Concen: 42.304 ug/l

RT: 1.54 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

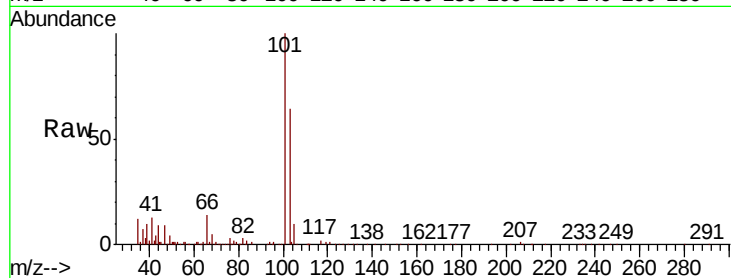
VSTDCCC050EC

Tot Ion:101 Resp: 429661

Ion Ratio Lower Upper

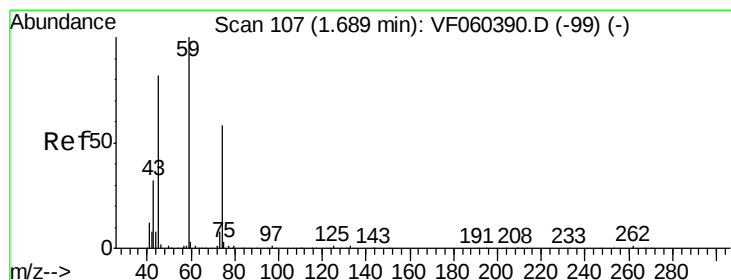
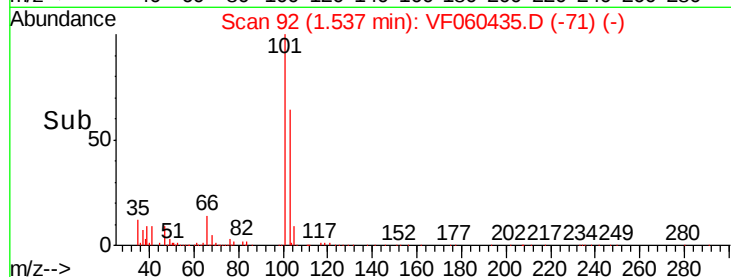
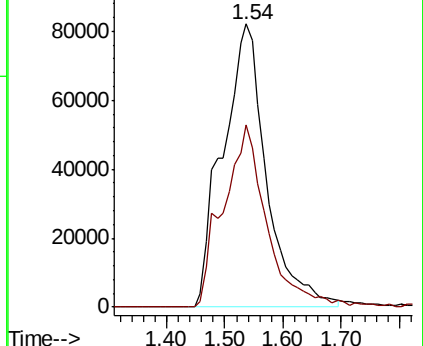
101 100

103 64.5 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 46.215 ug/l

RT: 1.69 min Scan# 108

Delta R.T. 0.00 min

Lab File: VF060435.D

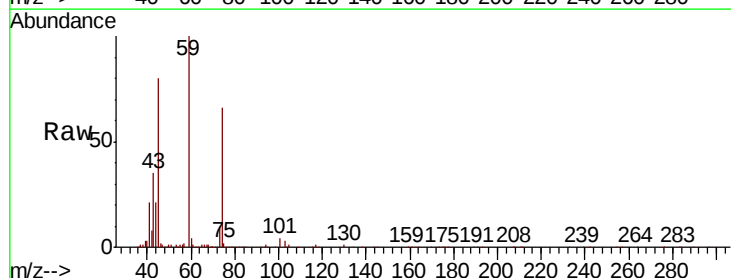
Acq: 4 Oct 2018 1:10

Tgt Ion: 74 Resp: 64326

Ion Ratio Lower Upper

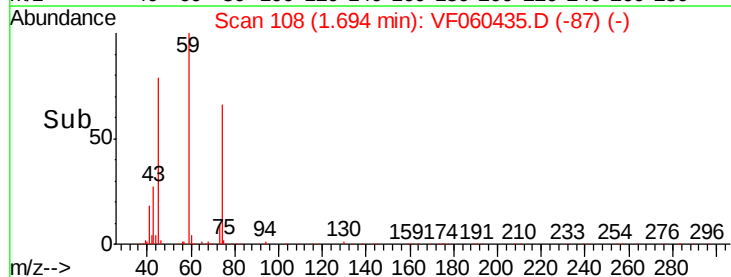
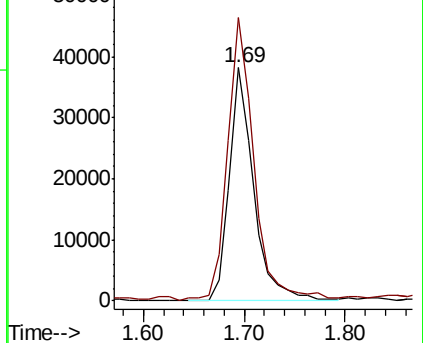
74 100

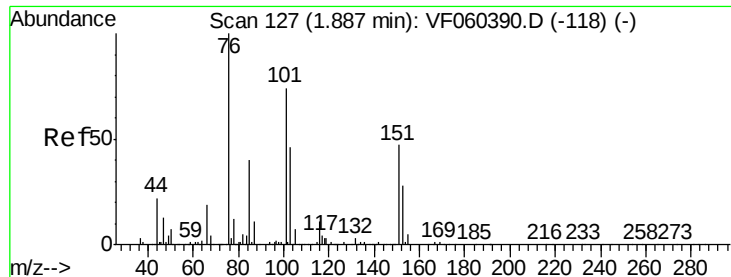
45 121.4 71.3 213.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.668 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

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ClientSampleId :

VSTDCCC050EC

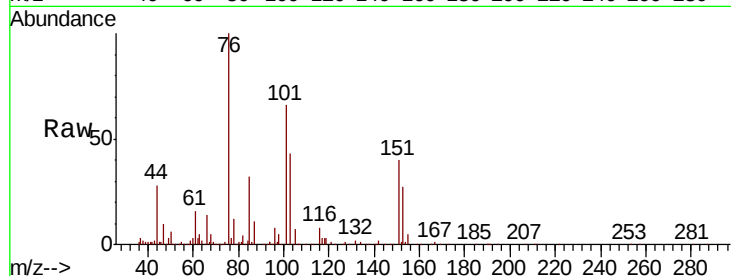
Tot Ion:101 Resp: 212444

Ion Ratio Lower Upper

101 100

85 48.1 42.5 63.7

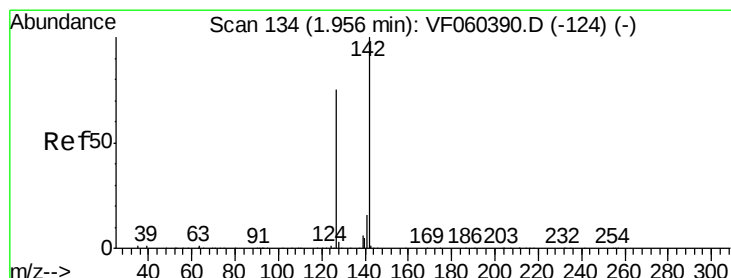
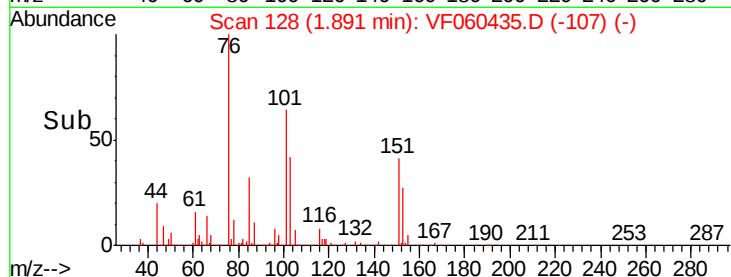
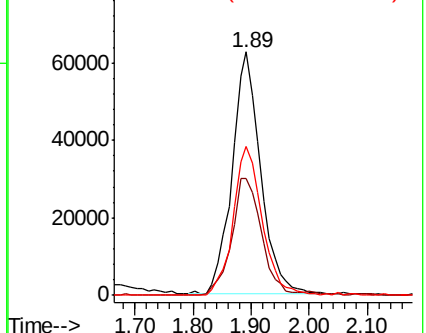
151 61.0 49.8 74.8



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: 47.024 ug/l

RT: 1.96 min Scan# 135

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

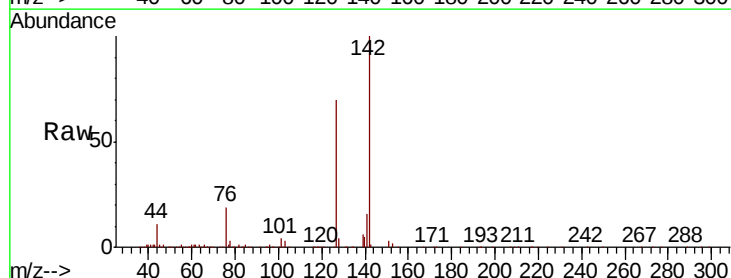
Tgt Ion:142 Resp: 348875

Ion Ratio Lower Upper

142 100

127 69.9 60.2 90.2

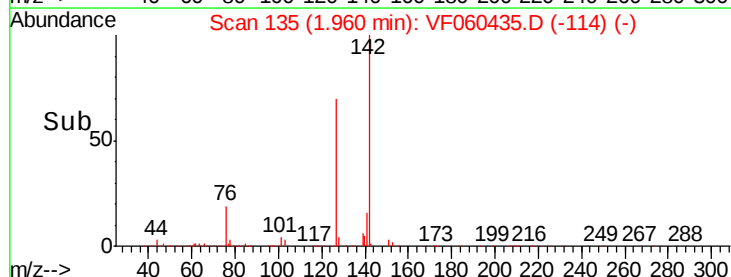
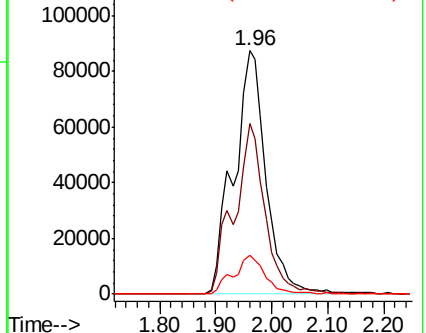
141 15.8 13.1 19.7

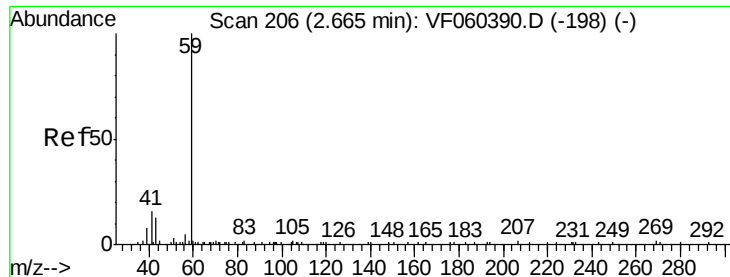


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



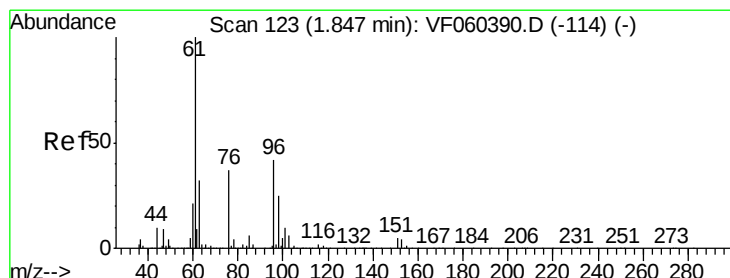
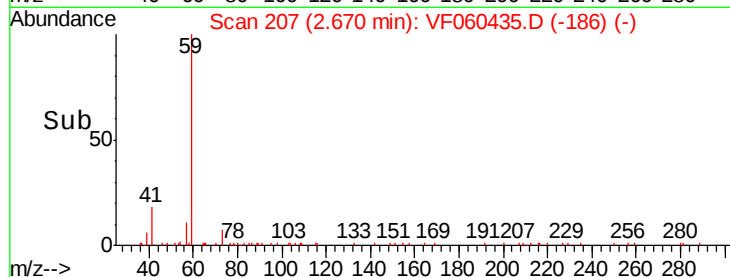
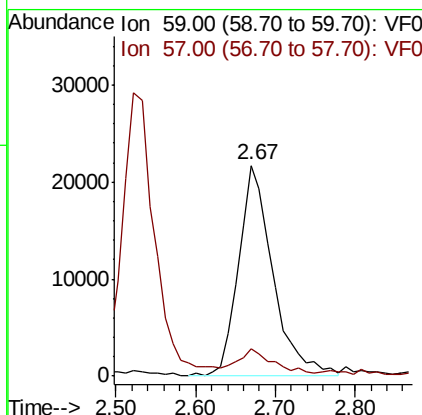
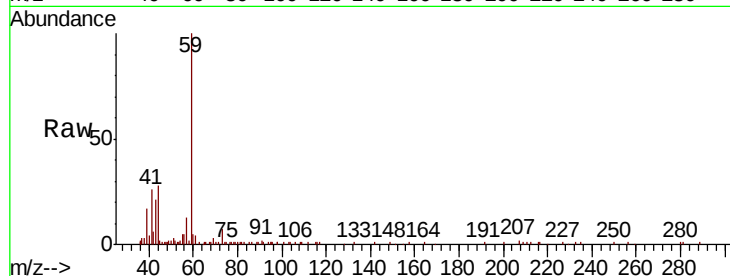


#11

Tert butyl alcohol
 Concen: 221.934 ug/l
 RT: 2.67 min Scan# 207
 Delta R.T. 0.00 min
 Lab File: VF060435.D
 Acq: 4 Oct 2018 1:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

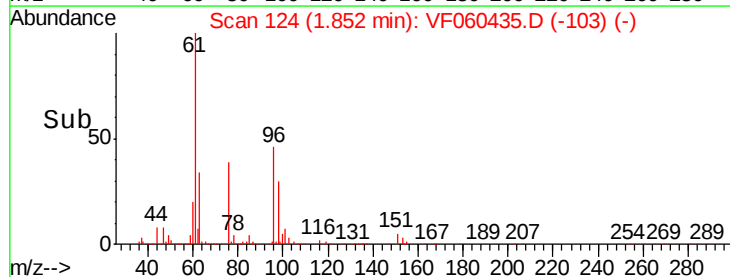
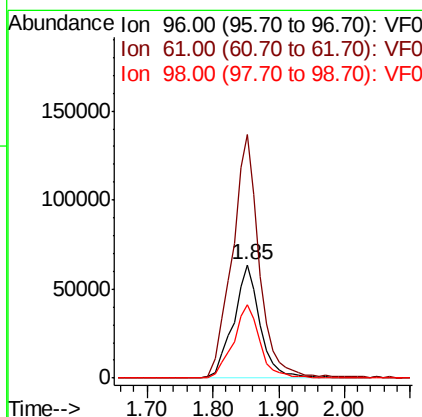
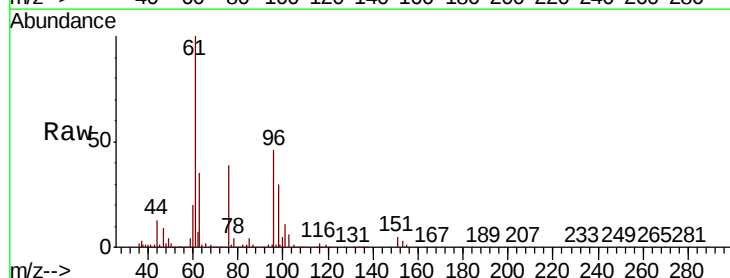
Tot Ion: 59 Resp: 65096
 Ion Ratio Lower Upper
 59 100
 57 13.1 6.5 9.7#

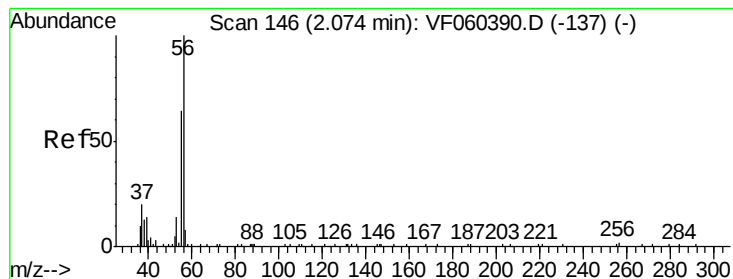


#12

1,1-Dichloroethene
 Concen: 47.678 ug/l
 RT: 1.85 min Scan# 124
 Delta R.T. 0.00 min
 Lab File: VF060435.D
 Acq: 4 Oct 2018 1:10

Tgt Ion: 96 Resp: 179220
 Ion Ratio Lower Upper
 96 100
 61 215.2 189.4 284.0
 98 64.8 47.8 71.6





#13

Acrolein

Concen: 190.691 ug/l

RT: 2.09 min Scan# 148

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

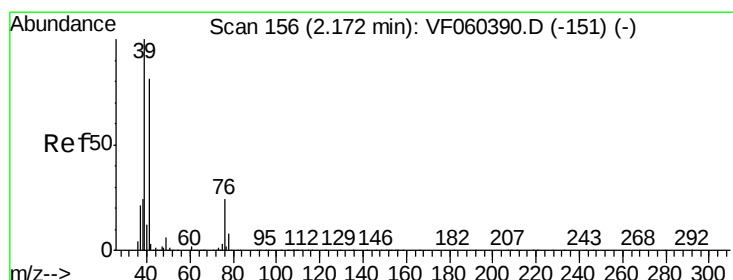
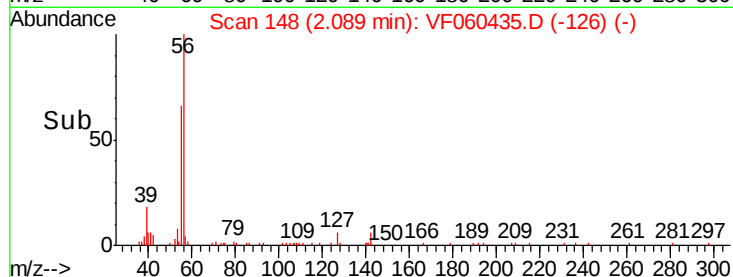
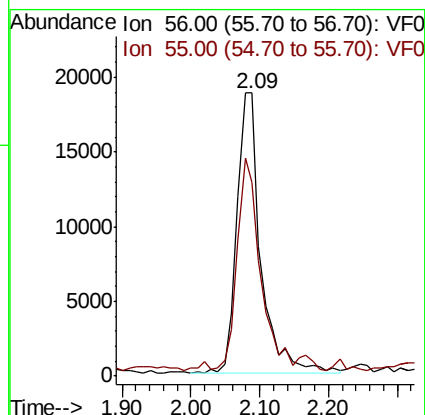
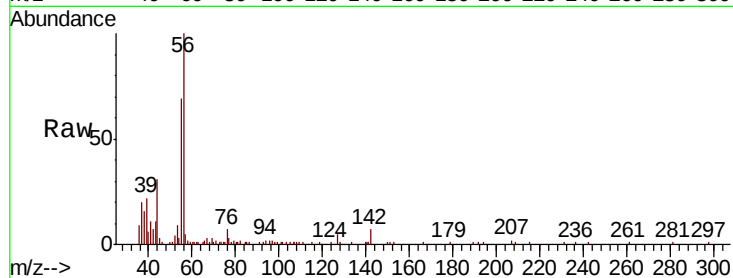
VSTDCCC050EC

Tot Ion: 56 Resp: 44981

Ion Ratio Lower Upper

56 100

55 68.6 53.9 80.9



#14

Allyl chloride

Concen: 46.158 ug/l

RT: 2.18 min Scan# 157

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

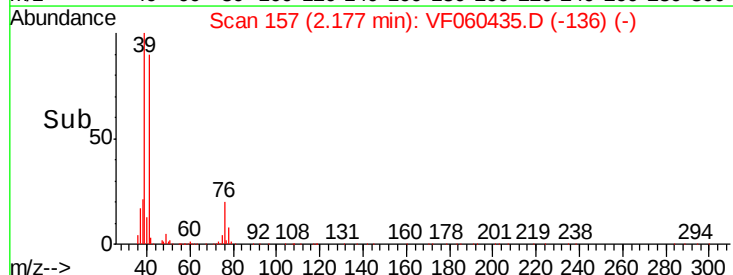
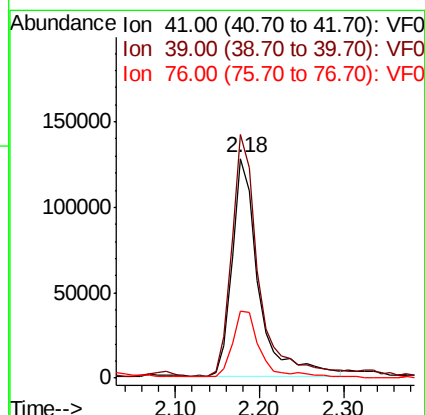
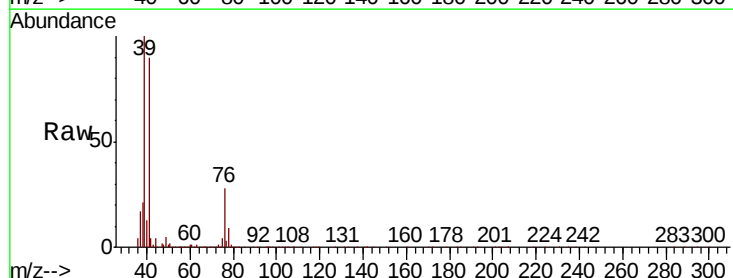
Tgt Ion: 41 Resp: 278019

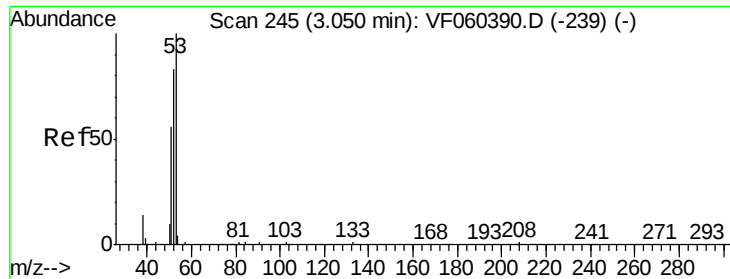
Ion Ratio Lower Upper

41 100

39 110.9 98.3 147.5

76 30.8 23.9 35.9





#15

Acrylonitrile

Concen: 274.389 ug/l

RT: 3.06 min Scan# 247

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

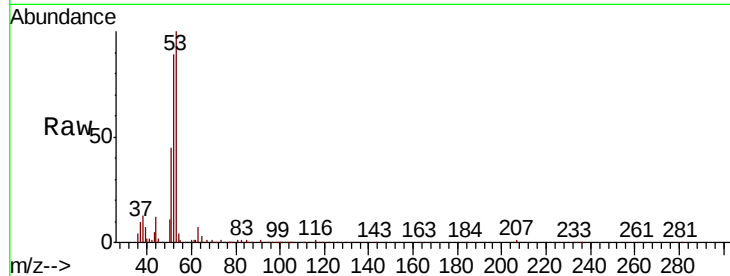
MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 137905

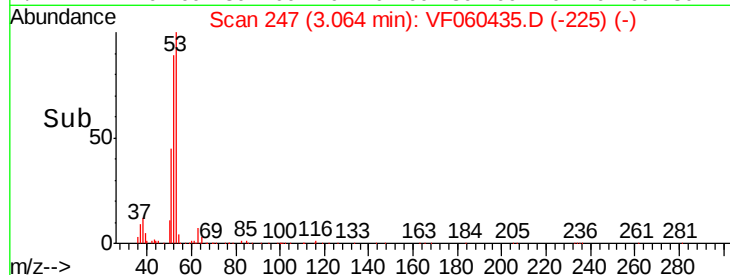
Ion	Ratio	Lower	Upper
53	100		
52	89.1	66.0	99.0
51	44.7	45.6	68.4#



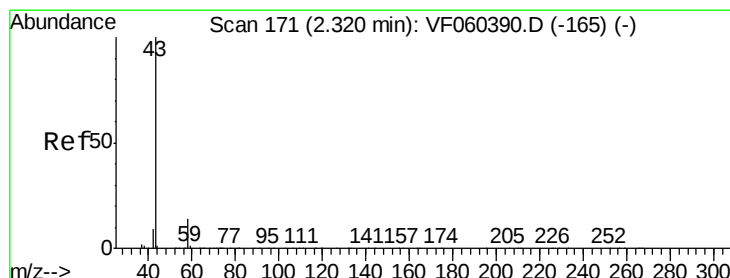
Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->



#16

Acetone

Concen: 200.930 ug/l

RT: 2.33 min Scan# 172

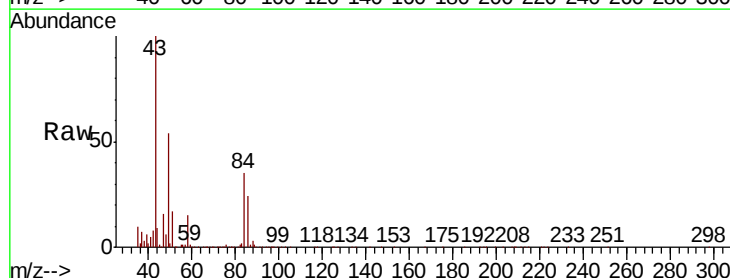
Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

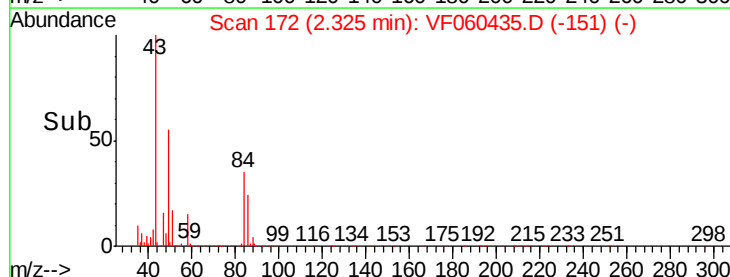
Tgt Ion: 43 Resp: 205340

Ion	Ratio	Lower	Upper
43	100		
58	15.1	11.2	16.8

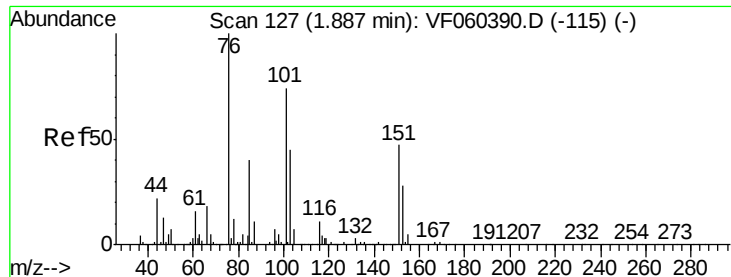


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#17

Carbon Disulfide

Concen: 46.254 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

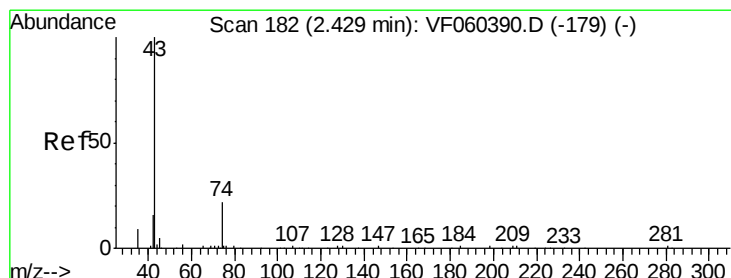
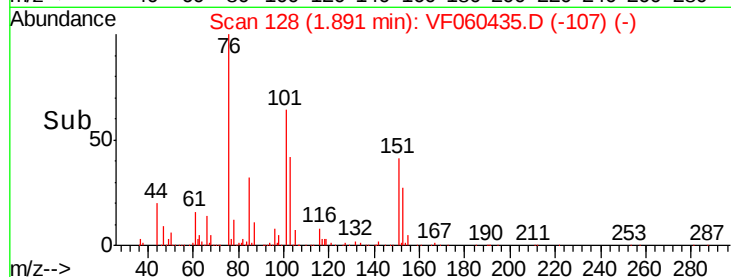
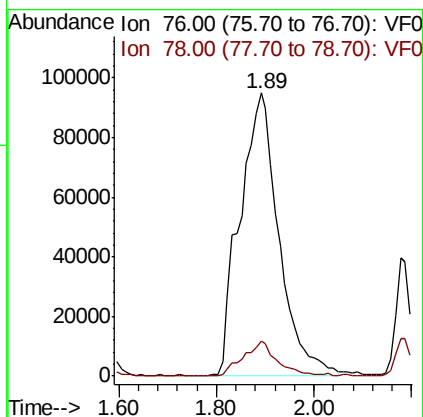
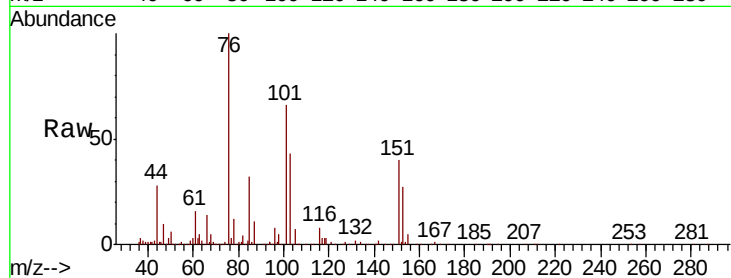
VSTDCCC050EC

Tot Ion: 76 Resp: 526489

Ion Ratio Lower Upper

76 100

78 12.2 10.1 15.1



#18

Methyl Acetate

Concen: 49.620 ug/l

RT: 2.44 min Scan# 184

Delta R.T. 0.02 min

Lab File: VF060435.D

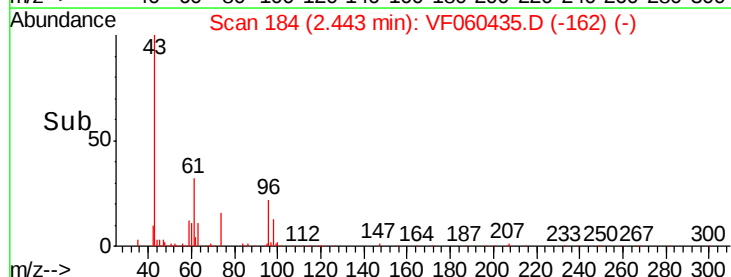
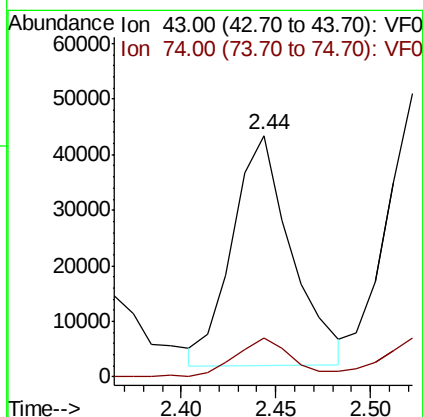
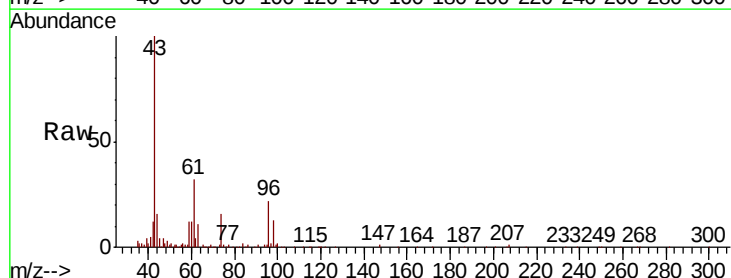
Acq: 4 Oct 2018 1:10

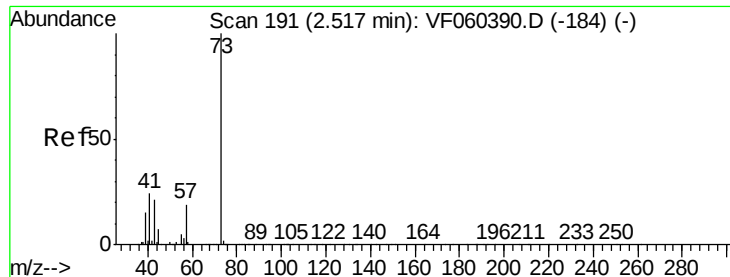
Tgt Ion: 43 Resp: 90456

Ion Ratio Lower Upper

43 100

74 15.9 15.8 23.8



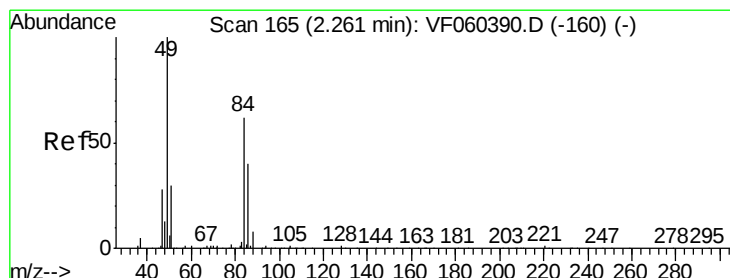
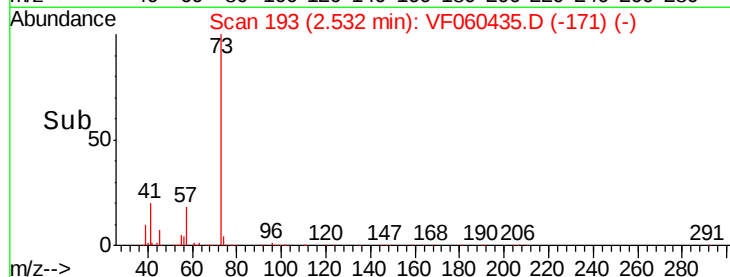
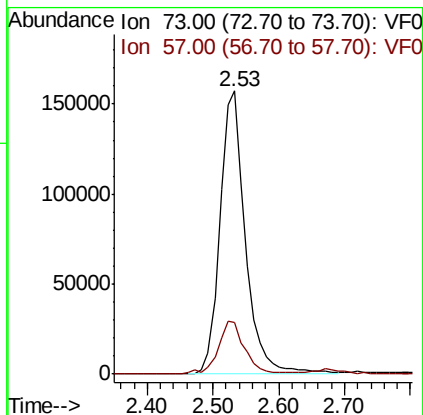
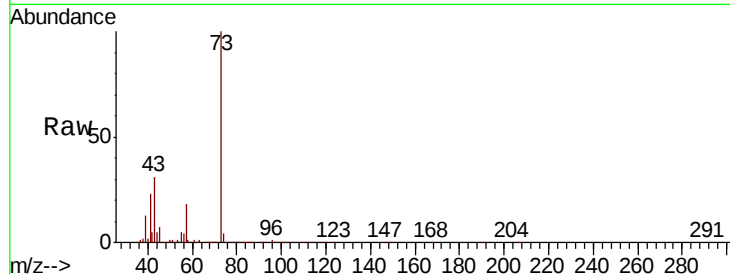


#19

Methyl tert-butyl Ether
Concen: 46.206 ug/l
RT: 2.53 min Scan# 193
Delta R.T. 0.01 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

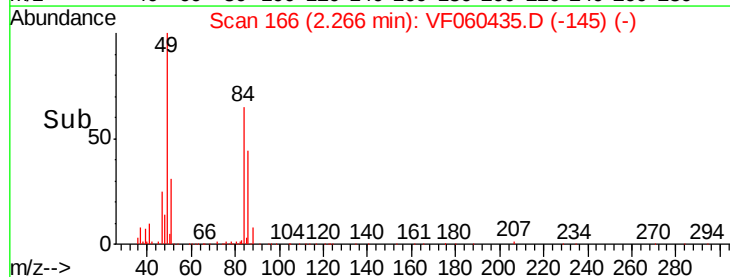
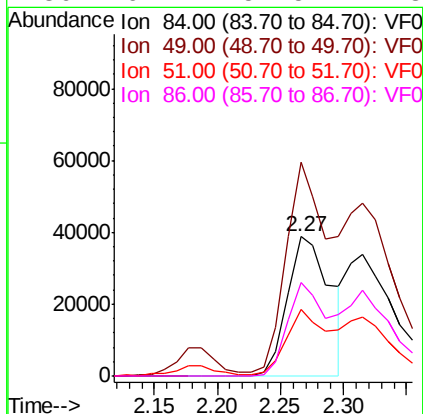
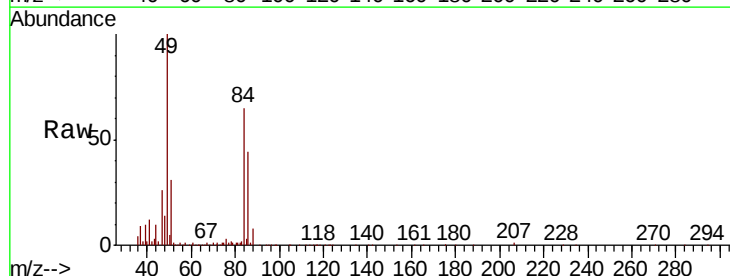
Tot Ion: 73 Resp: 423044
Ion Ratio Lower Upper
73 100
57 18.1 15.9 23.9

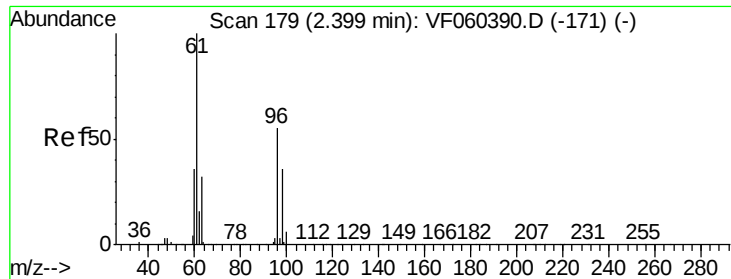


#20

Methylene Chloride
Concen: 23.429 ug/l
RT: 2.27 min Scan# 166
Delta R.T. 0.01 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion: 84 Resp: 93396
Ion Ratio Lower Upper
84 100
49 153.2 130.2 195.2
51 47.9 41.0 61.6
86 67.2 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 49.025 ug/l

RT: 2.40 min Scan# 180

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

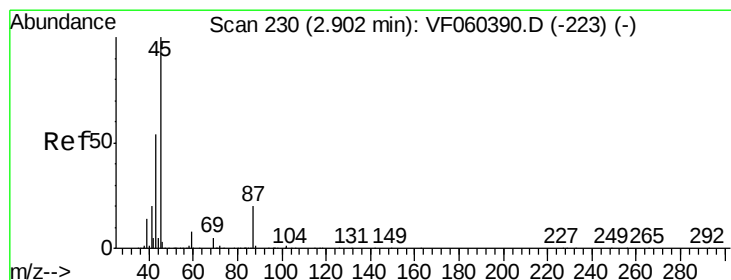
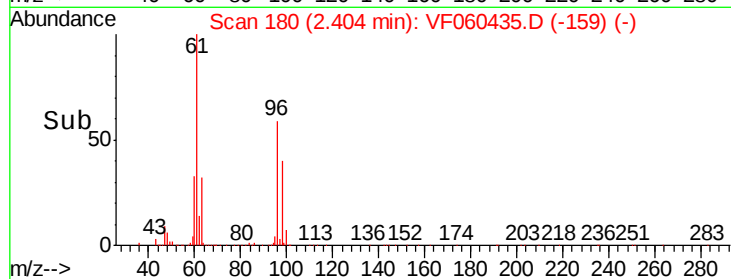
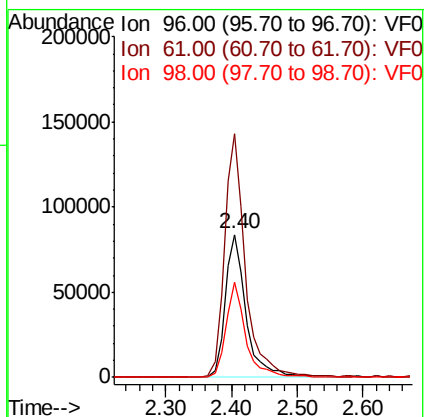
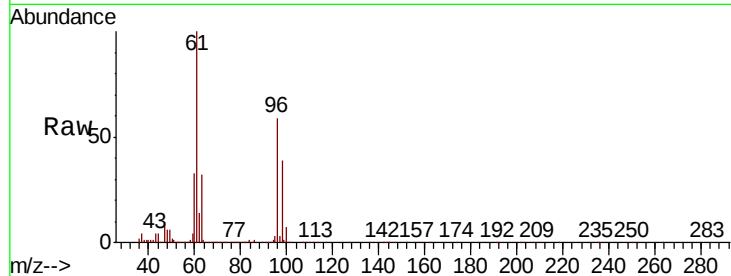
Tot Ion: 96 Resp: 184051

Ion Ratio Lower Upper

96 100

61 170.4 146.2 219.2

98 66.9 52.6 78.8



#22

Diisopropyl ether

Concen: 51.796 ug/l

RT: 2.92 min Scan# 232

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Tgt Ion: 45 Resp: 566275

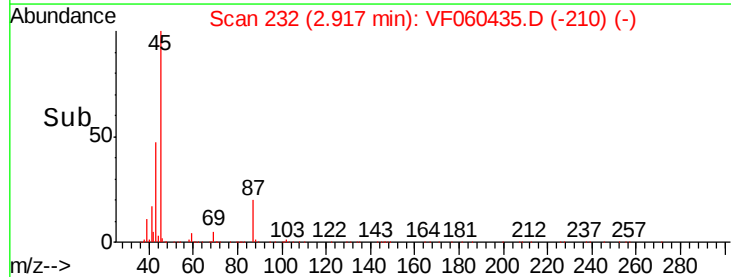
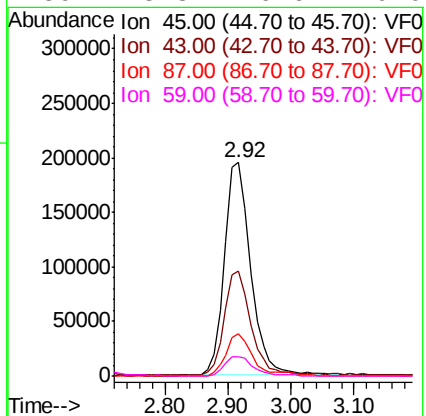
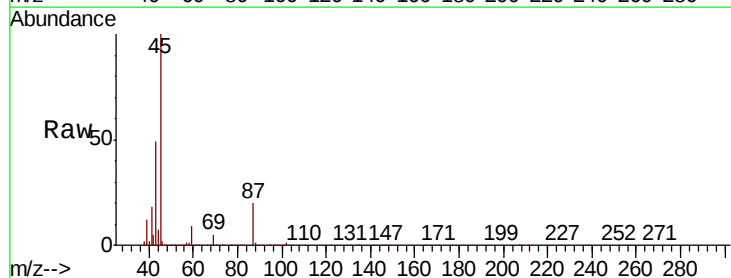
Ion Ratio Lower Upper

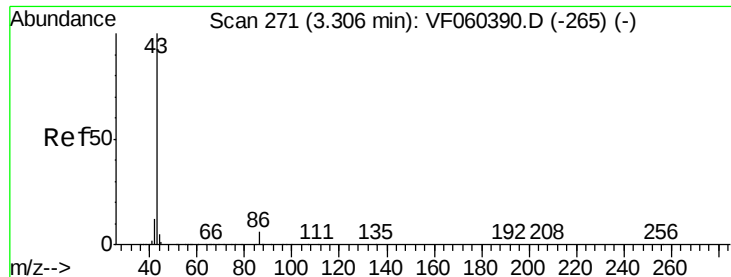
45 100

43 49.2 43.8 65.8

87 19.9 16.3 24.5

59 8.8 6.6 10.0





#23

Vinyl Acetate

Concen: 246.745 ug/l

RT: 3.32 min Scan# 273

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

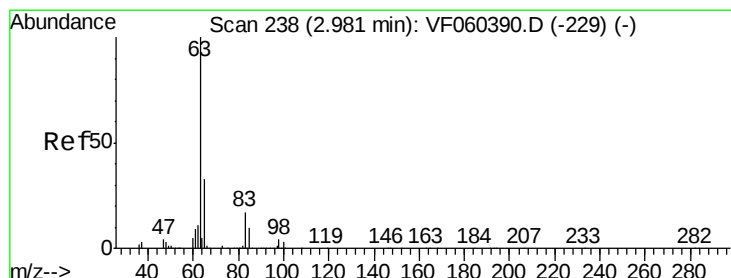
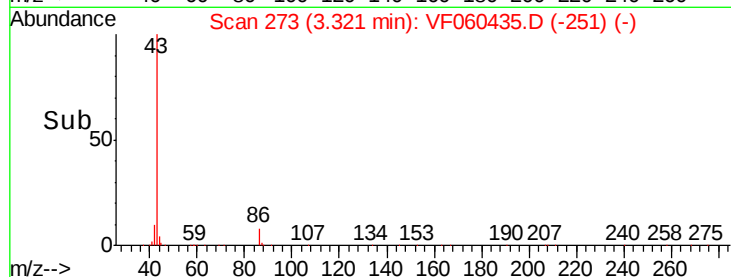
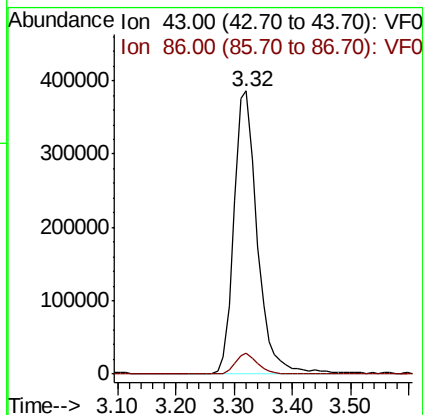
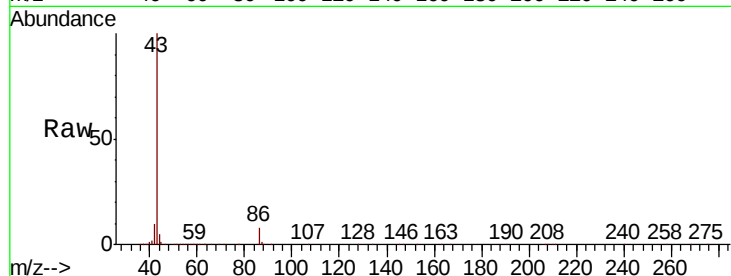
VSTDCCC050EC

Tot Ion: 43 Resp: 1071586

Ion Ratio Lower Upper

43 100

86 7.5 5.1 7.7



#24

1,1-Dichloroethane

Concen: 51.129 ug/l

RT: 2.99 min Scan# 239

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

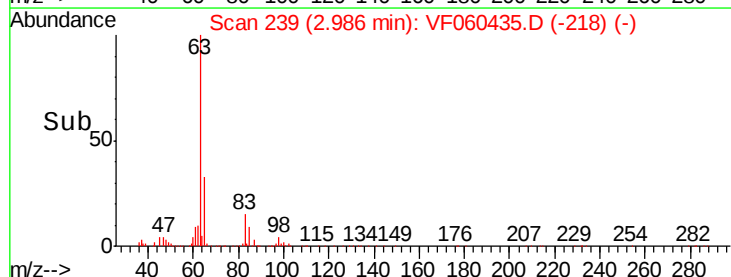
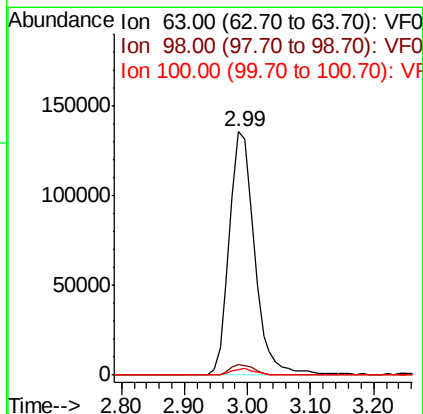
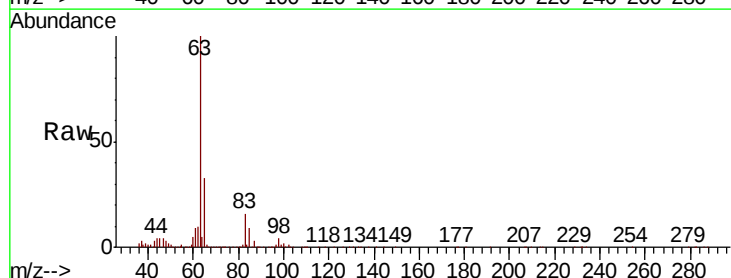
Tgt Ion: 63 Resp: 378009

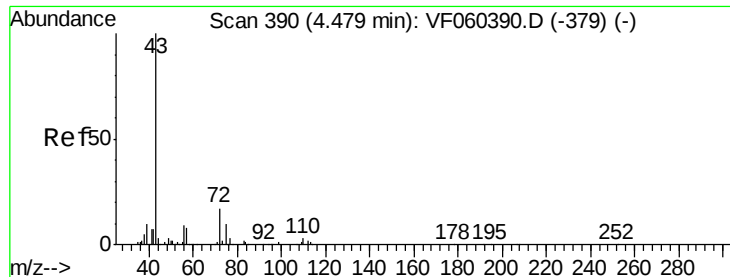
Ion Ratio Lower Upper

63 100

98 4.1 2.0 5.8

100 2.3 1.4 4.2





#25

2-Butanone

Concen: 233.051 ug/l

RT: 4.49 min Scan# 392

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

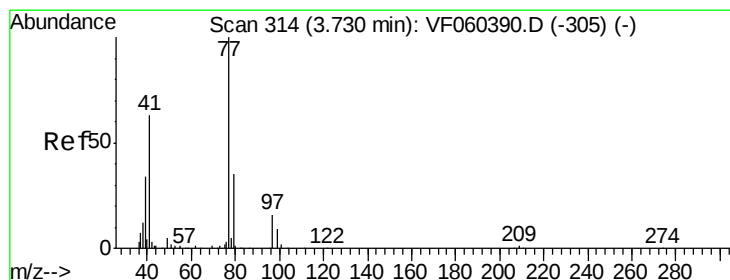
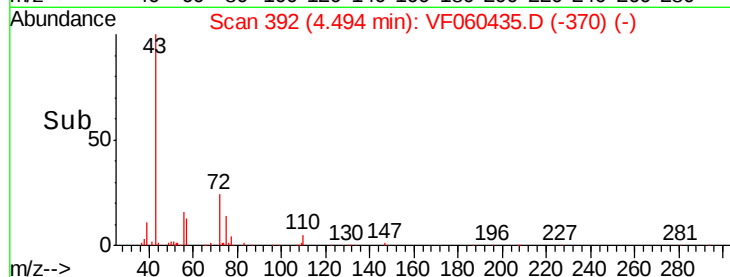
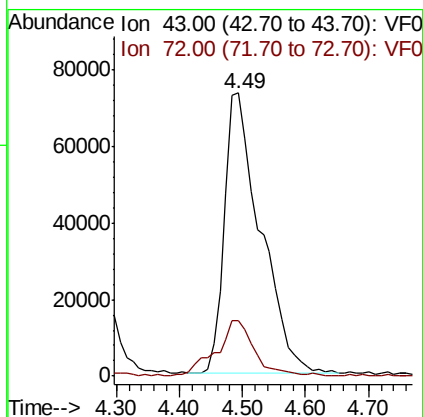
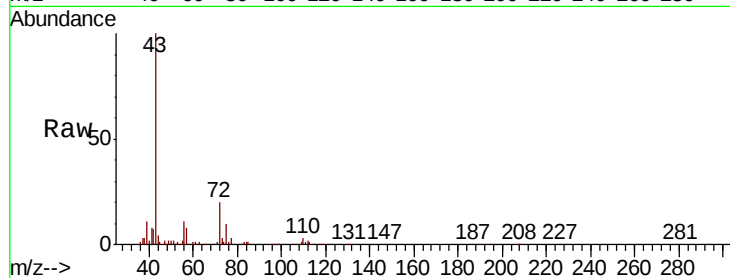
VSTDCCC050EC

Tot Ion: 43 Resp: 292620

Ion Ratio Lower Upper

43 100

72 19.7 14.1 21.1



#26

2,2-Dichloropropane

Concen: 43.710 ug/l

RT: 3.75 min Scan# 317

Delta R.T. 0.02 min

Lab File: VF060435.D

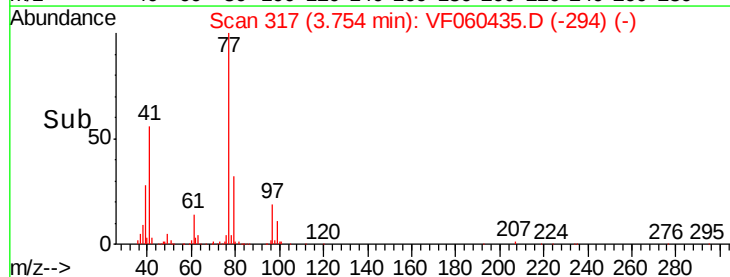
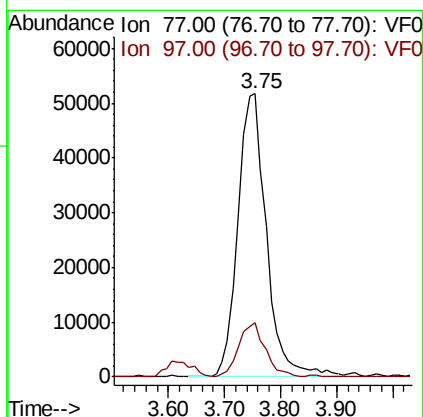
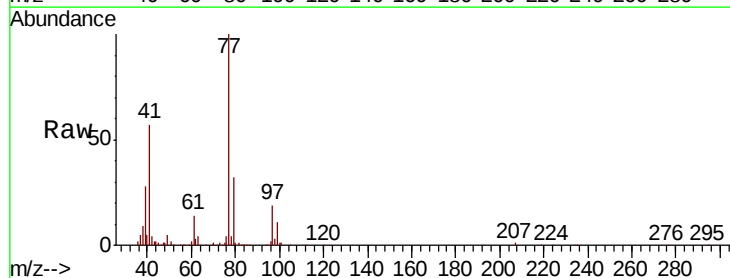
Acq: 4 Oct 2018 1:10

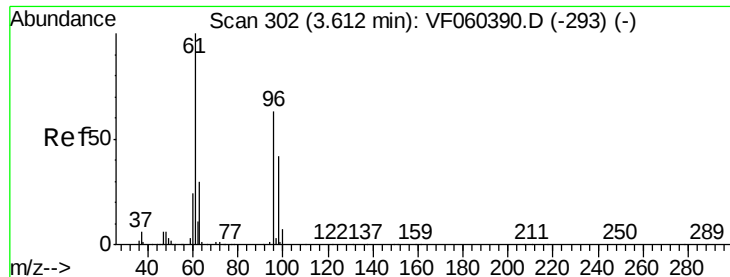
Tgt Ion: 77 Resp: 183030

Ion Ratio Lower Upper

77 100

97 19.0 8.3 25.1



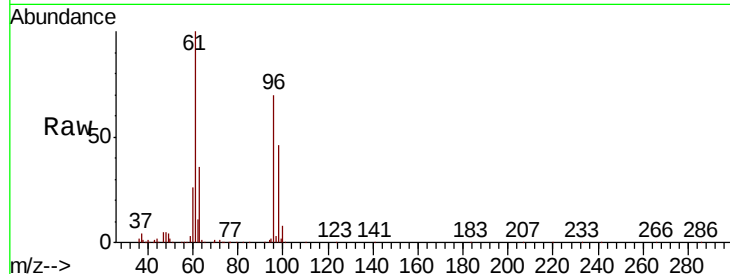


#27

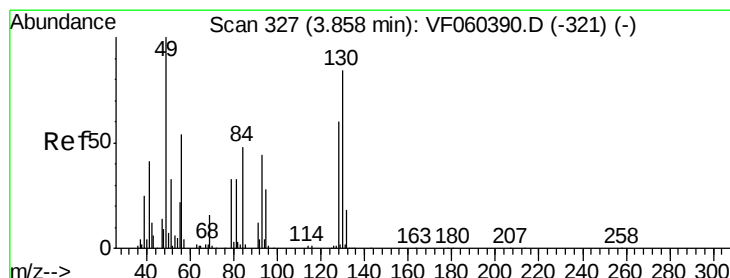
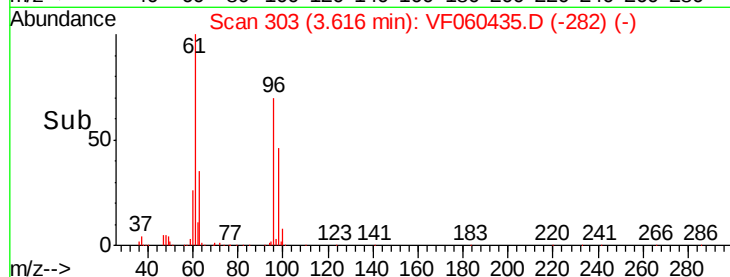
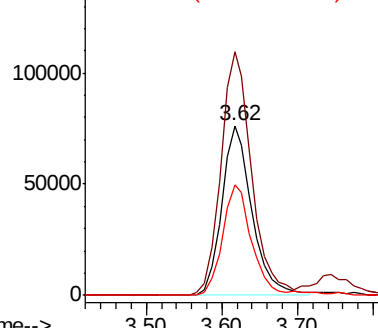
cis-1,2-Dichloroethene
 Concen: 50.296 ug/l
 RT: 3.62 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VF060435.D
 Acq: 4 Oct 2018 1:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.7	0.0	318.2
98	65.6	0.0	134.0



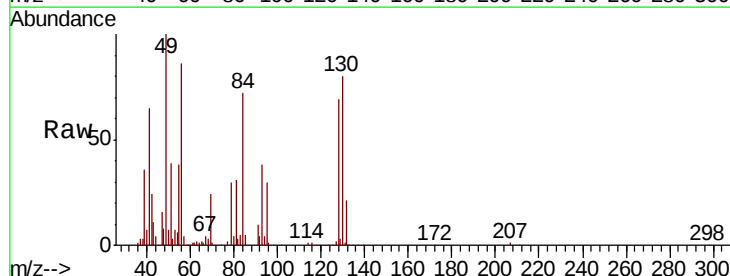
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



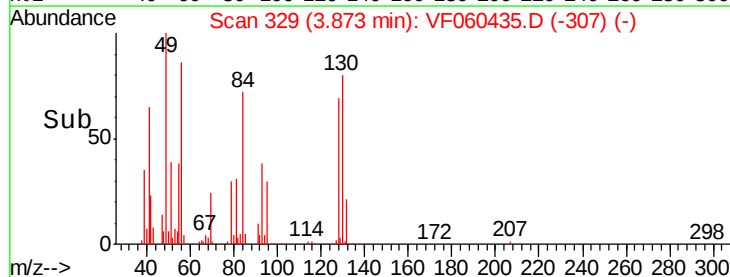
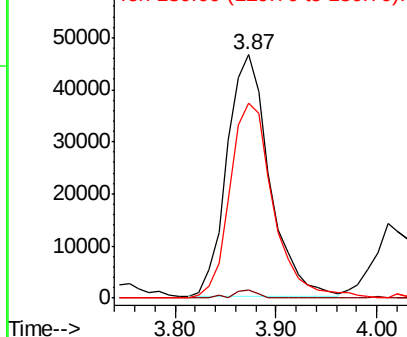
#28

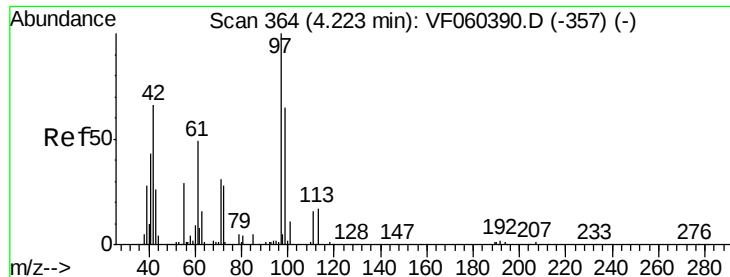
Bromochloromethane
 Concen: 50.294 ug/l
 RT: 3.87 min Scan# 329
 Delta R.T. 0.01 min
 Lab File: VF060435.D
 Acq: 4 Oct 2018 1:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.4	0.0	4.6
130	79.9	67.3	100.9



Abundance Ion 49.00 (48.70 to 49.70): VF0
 Ion 129.00 (128.70 to 129.70): V
 Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 262.687 ug/l

RT: 4.24 min Scan# 366

Delta R.T. 0.02 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

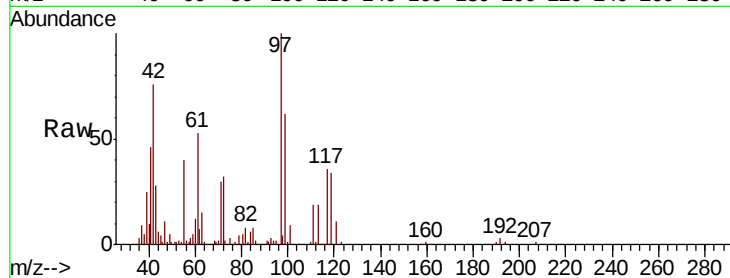
Tot Ion: 42 Resp: 124138

Ion Ratio Lower Upper

42 100

72 46.6 33.6 50.4

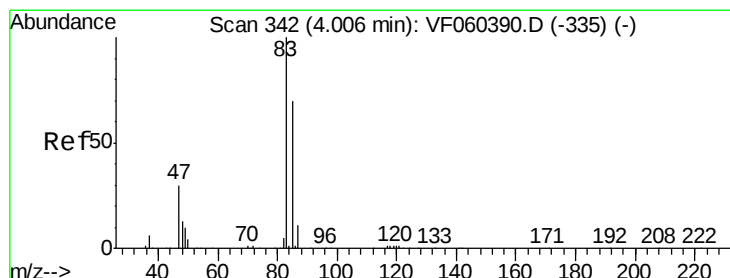
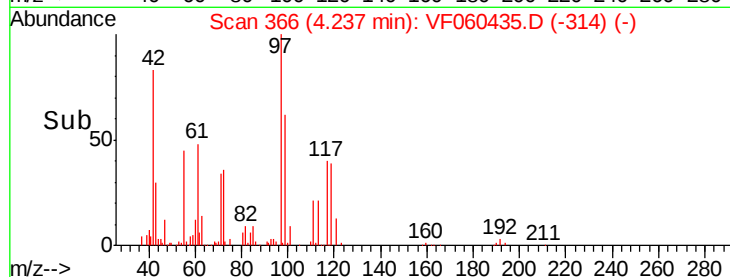
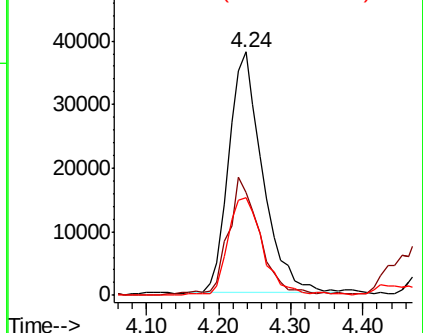
71 42.3 32.7 49.1



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 46.648 ug/l

RT: 4.02 min Scan# 344

Delta R.T. 0.01 min

Lab File: VF060435.D

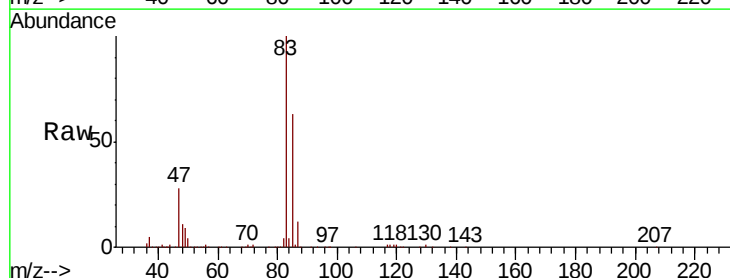
Acq: 4 Oct 2018 1:10

Tgt Ion: 83 Resp: 425559

Ion Ratio Lower Upper

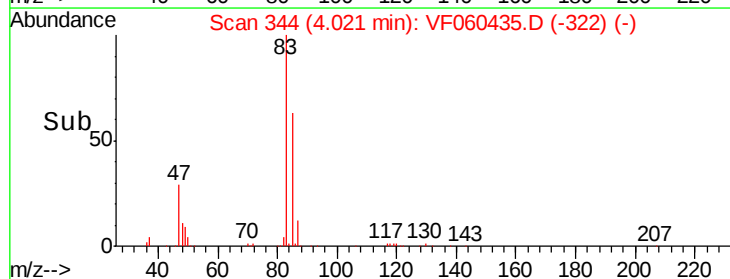
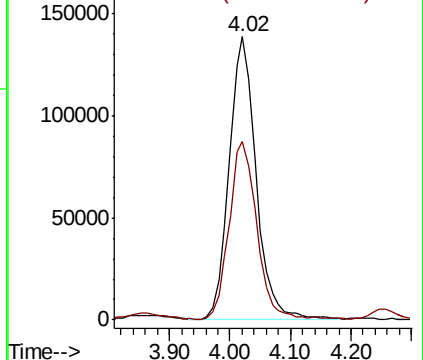
83 100

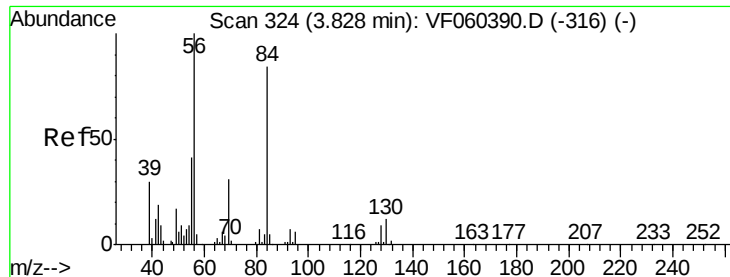
85 63.1 55.9 83.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

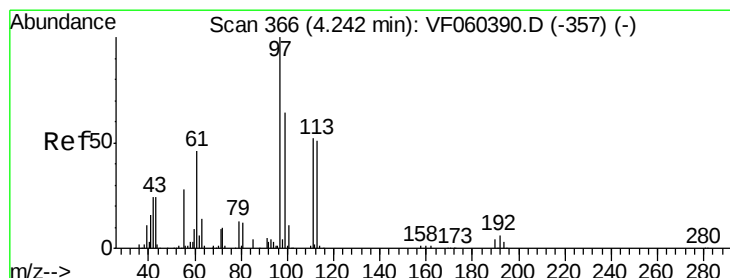
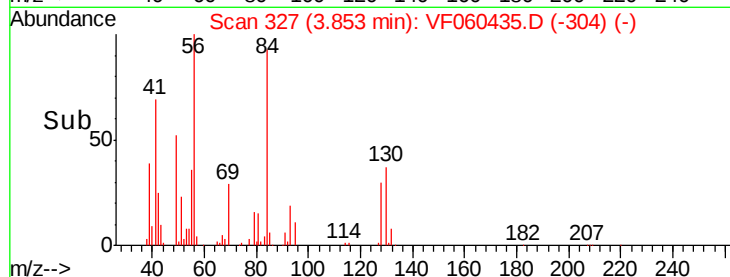
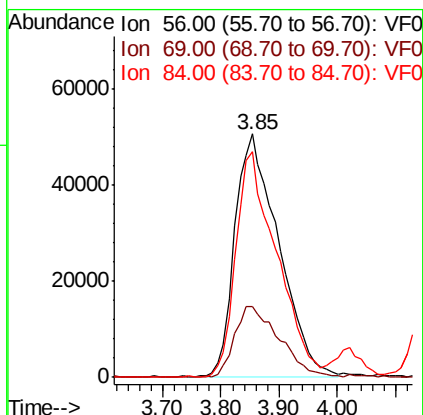
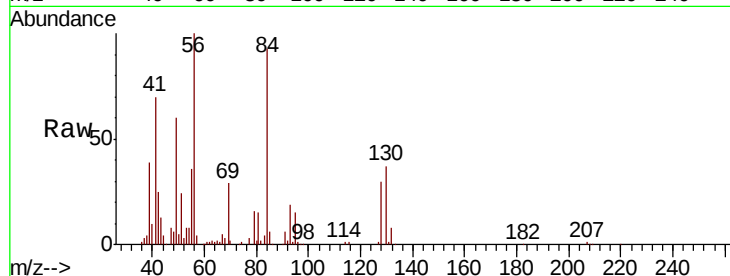




#31
Cyclohexane
Concen: 49.960 ug/l
RT: 3.85 min Scan# 327
Delta R.T. 0.02 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

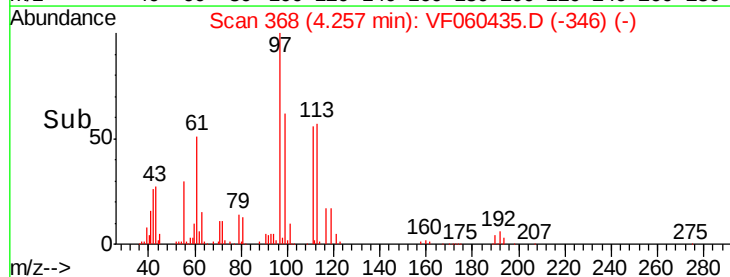
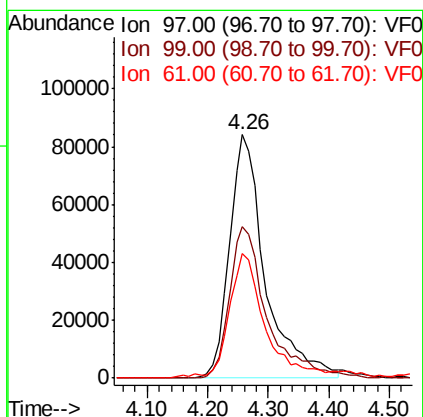
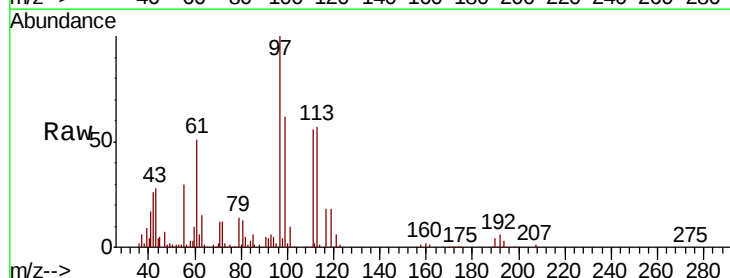
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

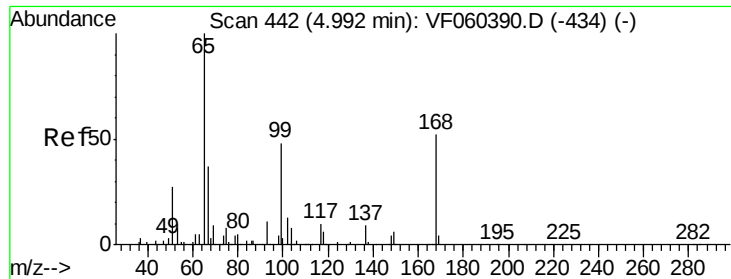
Tot Ion: 56 Resp: 265229
Ion Ratio Lower Upper
56 100
69 29.1 25.5 38.3
84 92.5 67.4 101.0



#32
1,1,1-Trichloroethane
Concen: 45.514 ug/l
RT: 4.26 min Scan# 368
Delta R.T. 0.01 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion: 97 Resp: 345518
Ion Ratio Lower Upper
97 100
99 62.0 51.0 76.4
61 51.1 37.5 56.3

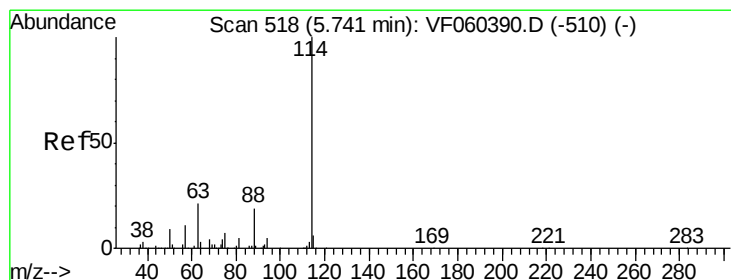
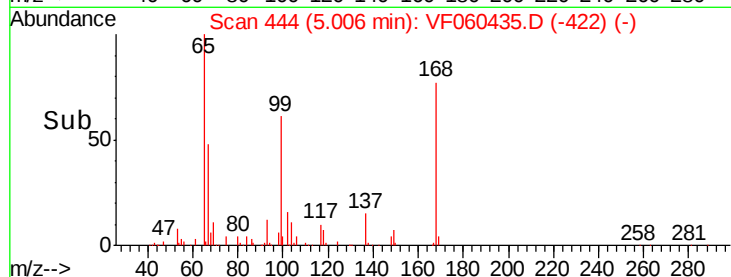
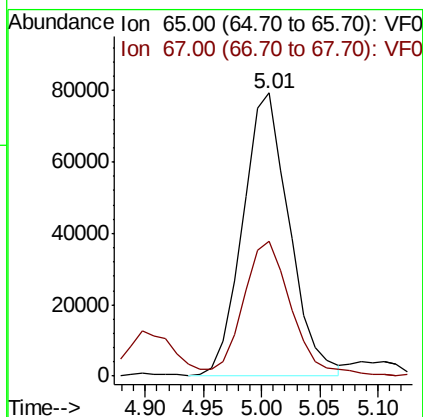
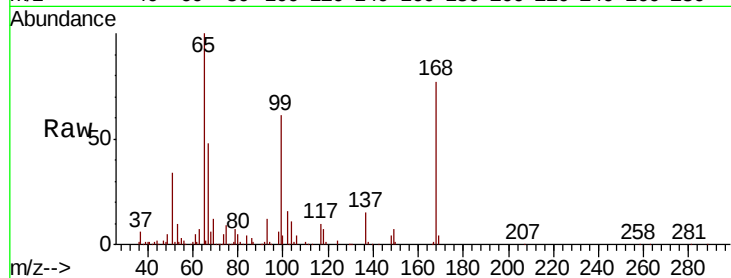




#33
 1,2-Dichloroethane-d4
 Concen: 44.968 ug/l
 RT: 5.01 min Scan# 444
 Delta R.T. 0.01 min
 Lab File: VF060435.D
 Acq: 4 Oct 2018 1:10

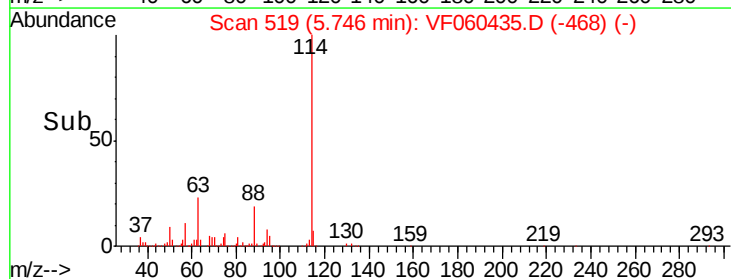
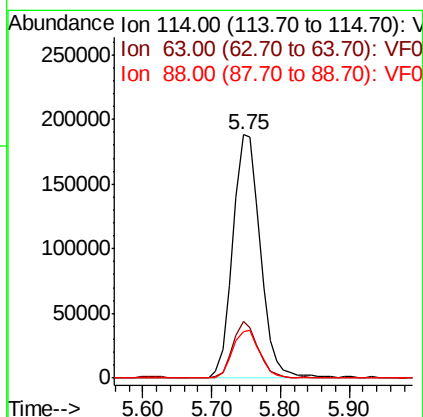
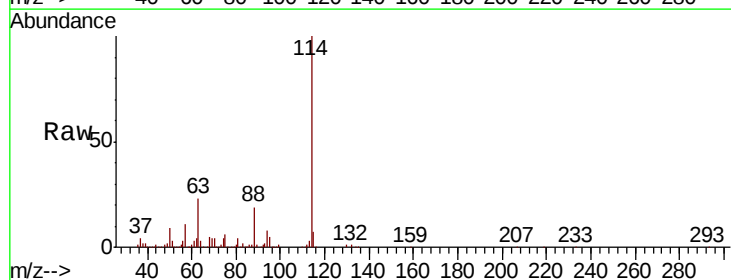
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

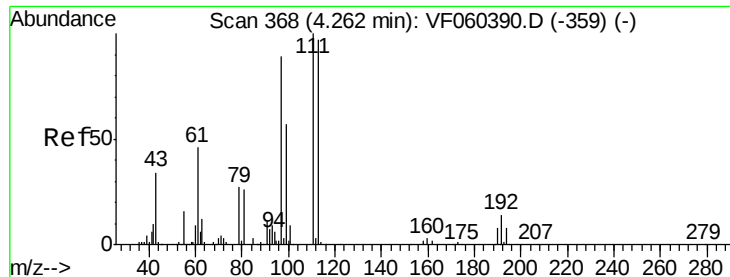
Tot Ion: 65 Resp: 218058
 Ion Ratio Lower Upper
 65 100
 67 47.8 0.0 89.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: VF060435.D
 Acq: 4 Oct 2018 1:10

Tgt Ion: 114 Resp: 523670
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 42.2
 88 19.1 0.0 38.8





#35

Dibromofluoromethane

Concen: 47.672 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

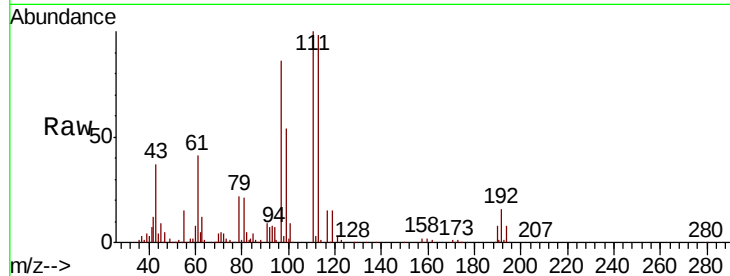
Tot Ion:113 Resp: 234525

Ion Ratio Lower Upper

113 100

111 101.7 82.3 123.5

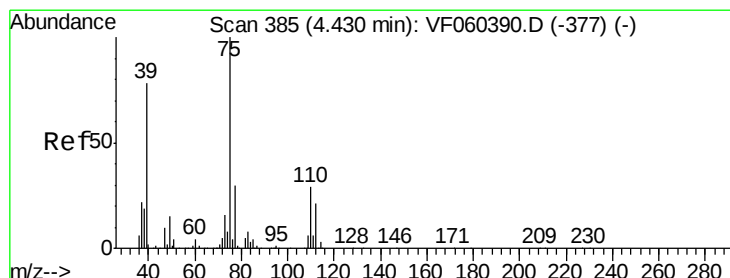
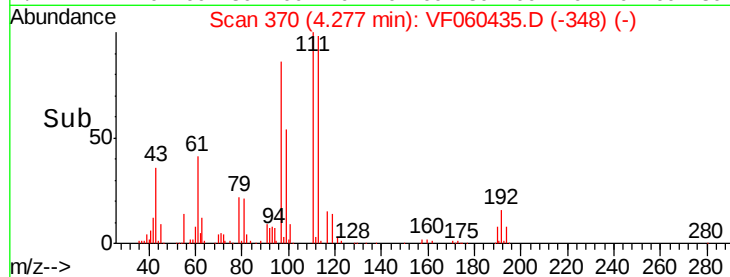
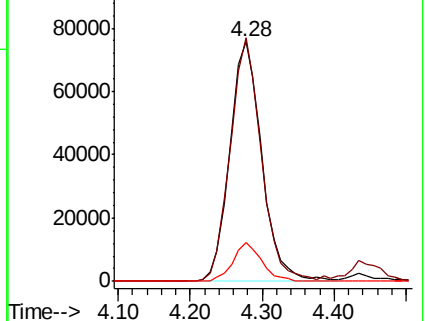
192 16.1 11.8 17.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 47.265 ug/l

RT: 4.44 min Scan# 387

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

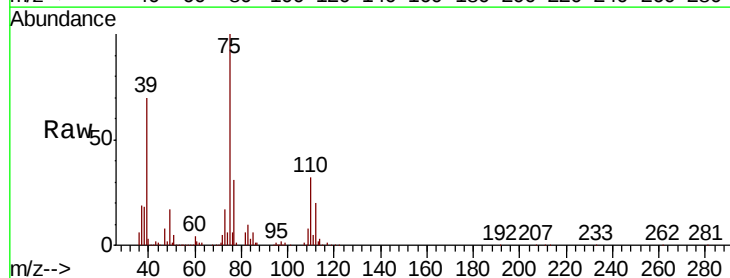
Tgt Ion: 75 Resp: 305162

Ion Ratio Lower Upper

75 100

110 31.8 14.5 43.6

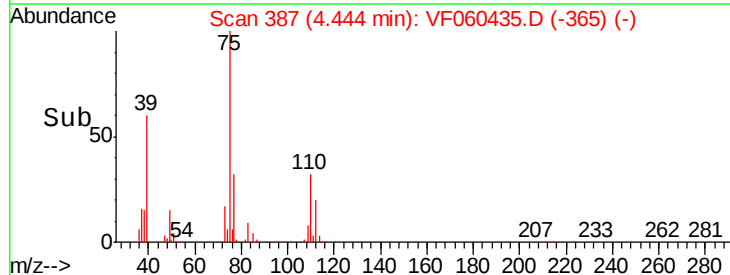
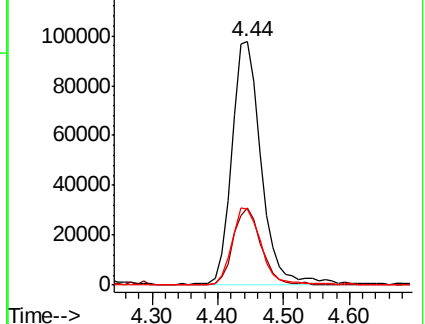
77 31.3 24.3 36.5

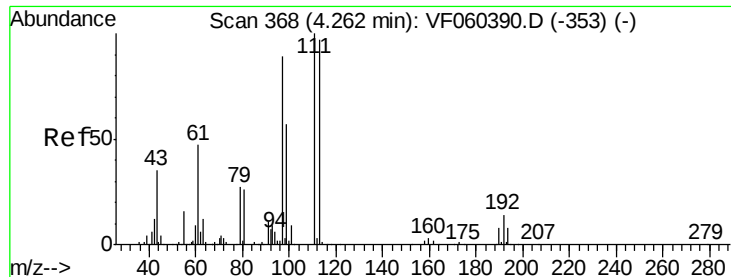


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

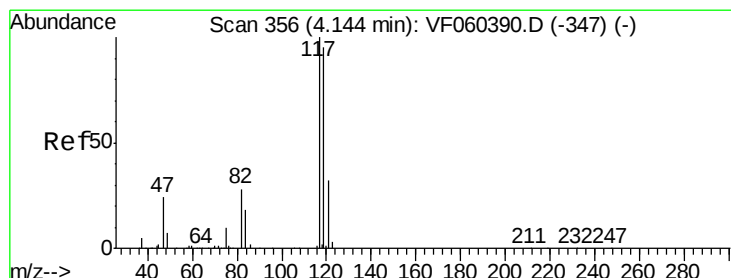
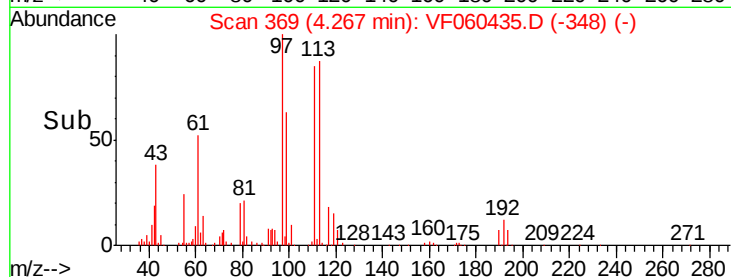
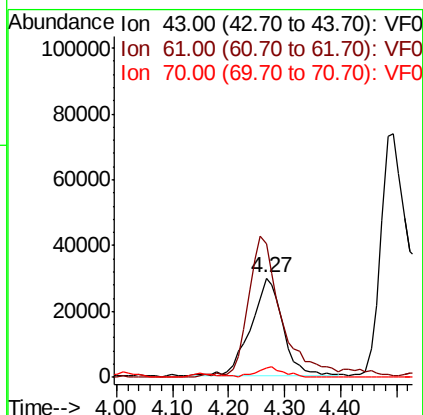
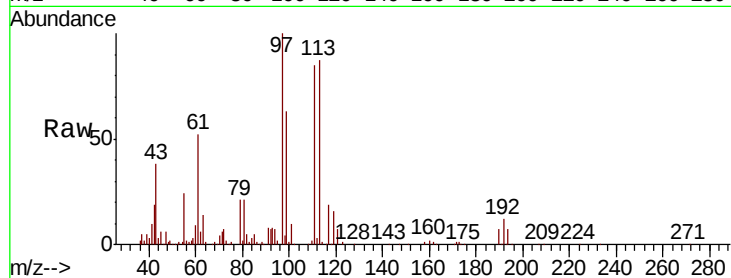




#37
Ethyl Acetate
Concen: 48.422 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

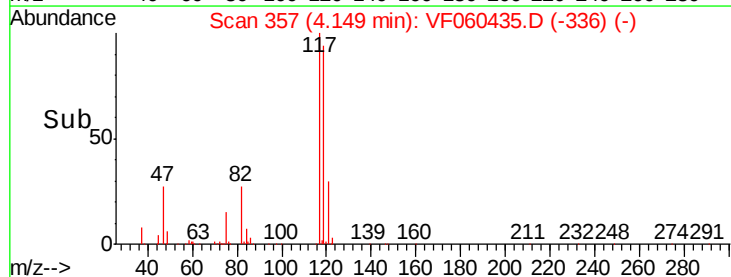
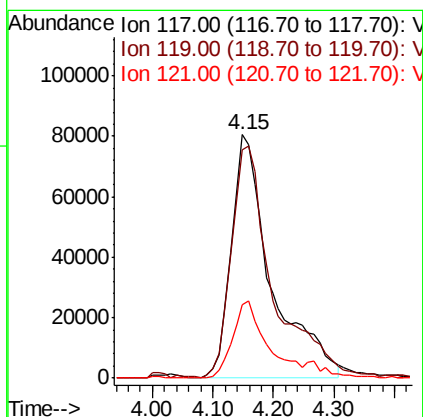
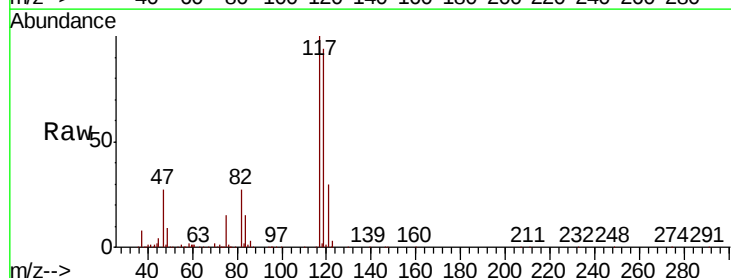
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

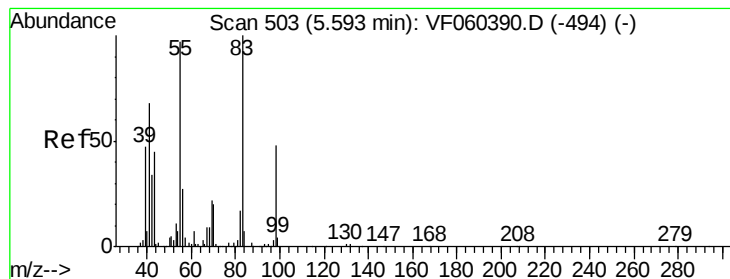
Tot Ion: 43 Resp: 119719
Ion Ratio Lower Upper
43 100
61 134.9 105.1 157.7
70 10.1 8.0 12.0



#38
Carbon Tetrachloride
Concen: 46.997 ug/l
RT: 4.15 min Scan# 357
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion: 117 Resp: 369351
Ion Ratio Lower Upper
117 100
119 93.5 75.5 113.3
121 30.0 25.4 38.0





#39

Methylcyclohexane

Concen: 52.189 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

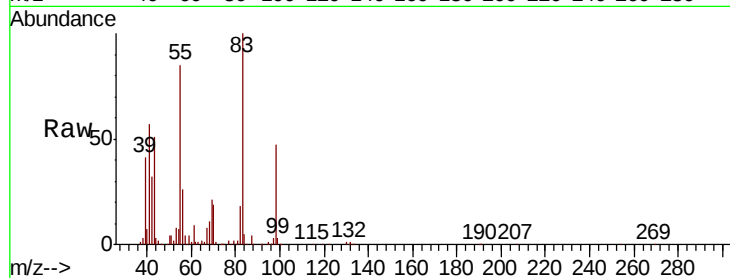
Tot Ion: 83 Resp: 330330

Ion Ratio Lower Upper

83 100

55 85.2 77.5 116.3

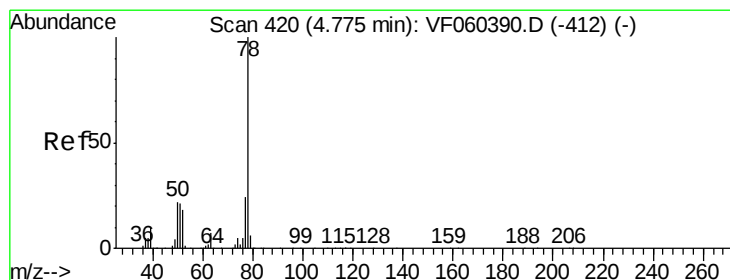
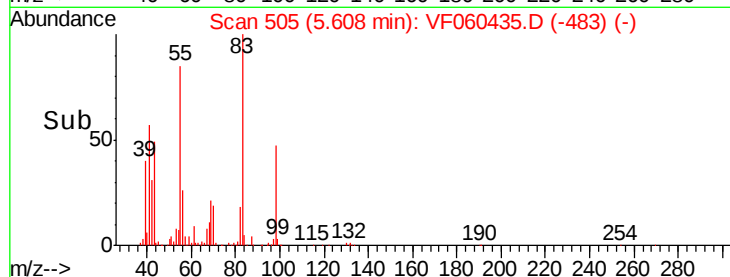
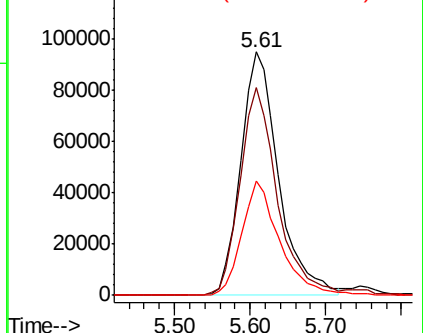
98 47.2 38.7 58.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#40

Benzene

Concen: 51.918 ug/l

RT: 4.79 min Scan# 422

Delta R.T. 0.01 min

Lab File: VF060435.D

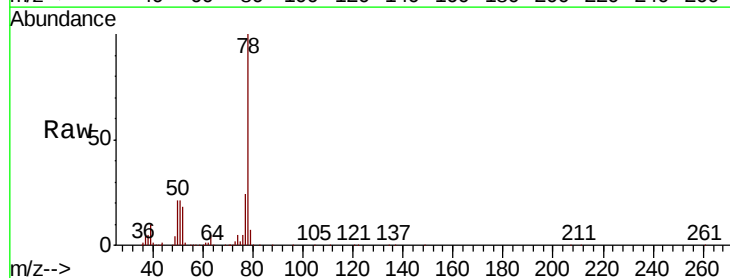
Acq: 4 Oct 2018 1:10

Tgt Ion: 78 Resp: 665446

Ion Ratio Lower Upper

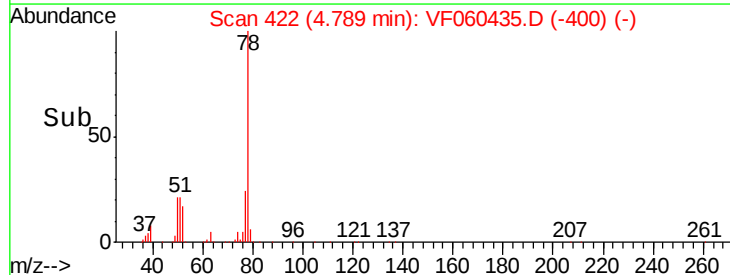
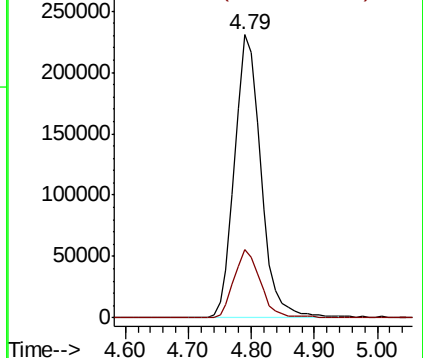
78 100

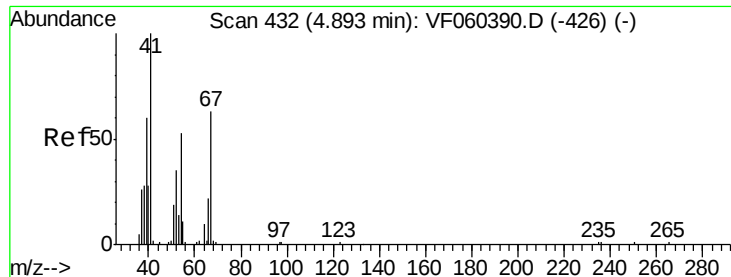
77 24.2 19.2 28.8



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

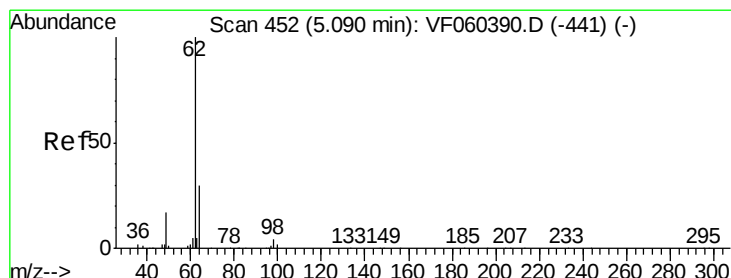
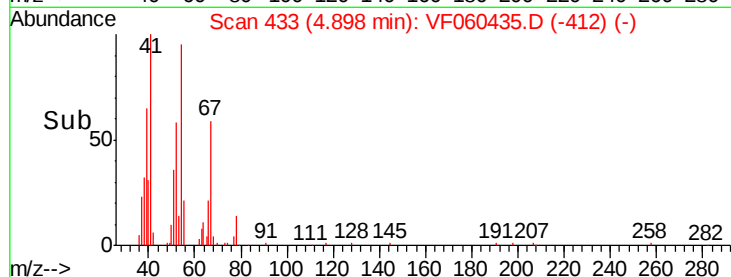
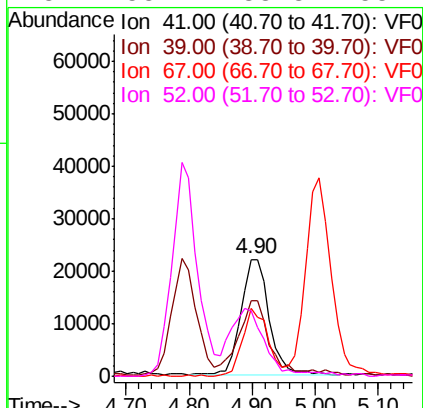
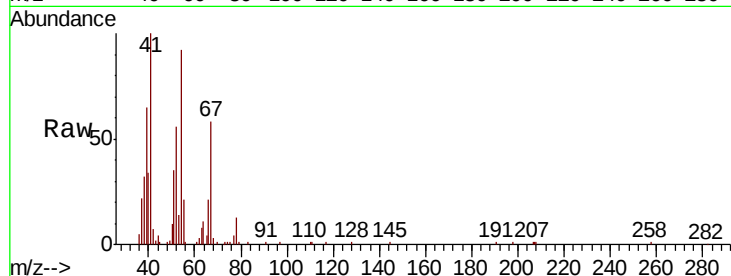




#41
Methacrylonitrile
Concen: 51.376 ug/l
RT: 4.90 min Scan# 433
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

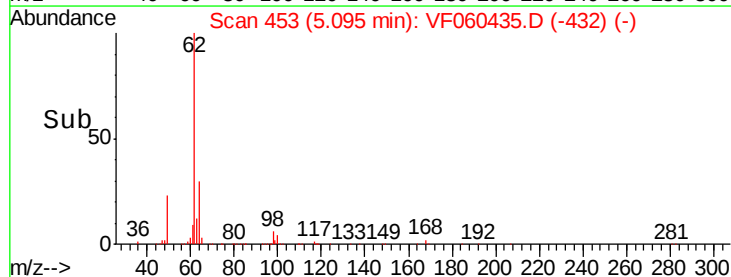
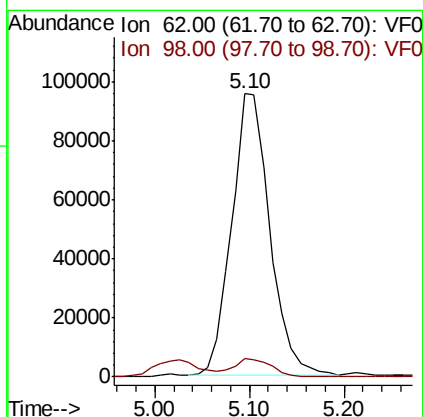
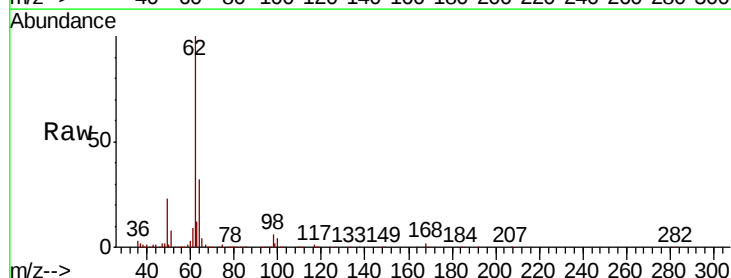
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

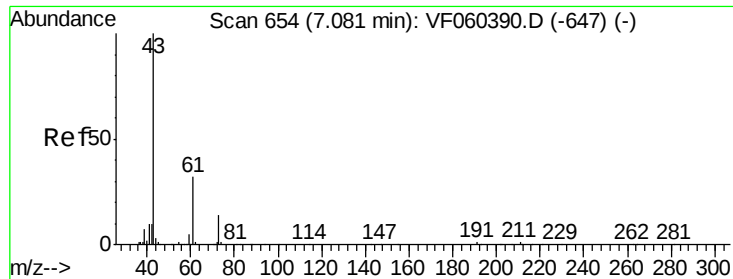
Tot Ion:	41	Resp:	67350
Ion	Ratio	Lower	Upper
41	100		
39	64.6	55.0	82.4
67	57.6	49.6	74.4
52	55.7	38.8	58.2



#42
1,2-Dichloroethane
Concen: 43.768 ug/l
RT: 5.10 min Scan# 453
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion:	62	Resp:	267633
Ion	Ratio	Lower	Upper
62	100		
98	6.4	0.0	11.2



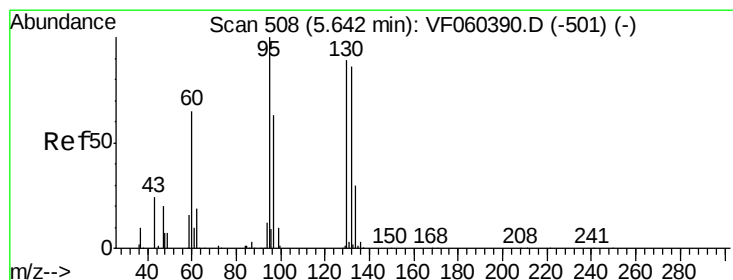
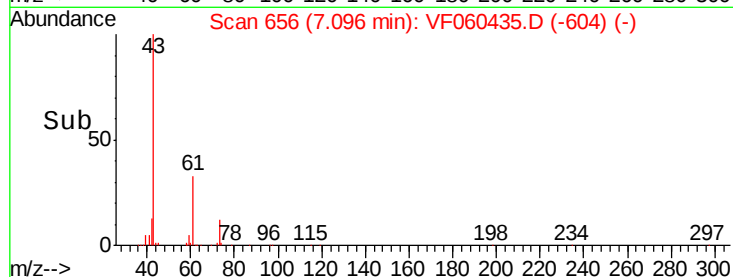
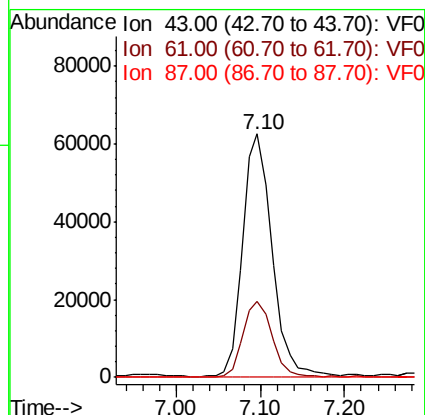
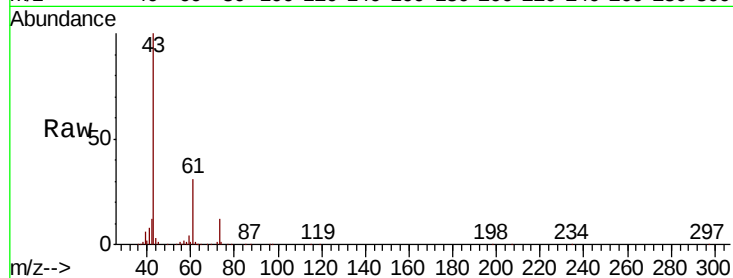


#43

Isopropyl Acetate
 Concen: 50.739 ug/l
 RT: 7.10 min Scan# 656
 Delta R.T. 0.01 min
 Lab File: VF060435.D
 Acq: 4 Oct 2018 1:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

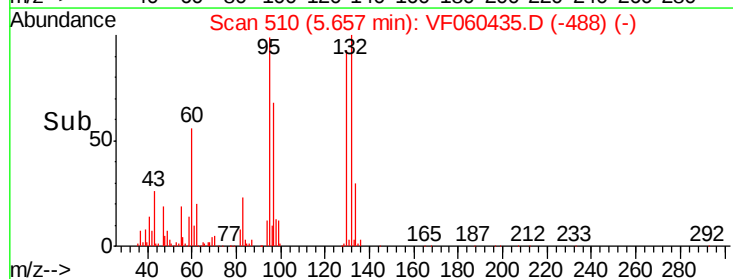
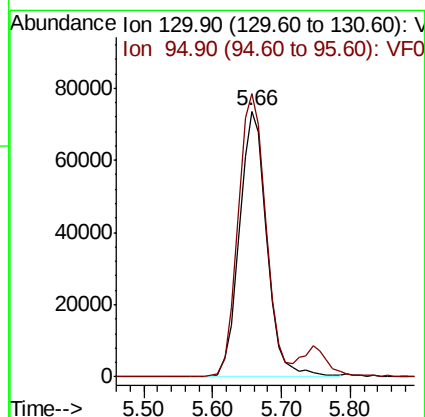
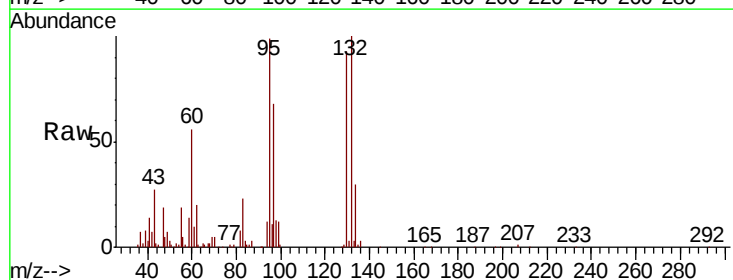
Tot Ion: 43 Resp: 151603
 Ion Ratio Lower Upper
 43 100
 61 30.9 25.4 38.2
 87 0.4 0.3 0.5

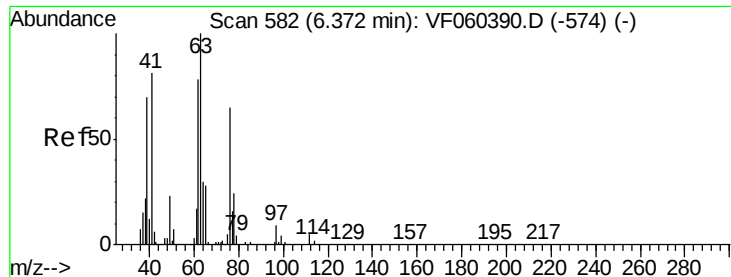


#44

Trichloroethene
 Concen: 49.258 ug/l
 RT: 5.66 min Scan# 510
 Delta R.T. 0.01 min
 Lab File: VF060435.D
 Acq: 4 Oct 2018 1:10

Tgt Ion: 130 Resp: 202576
 Ion Ratio Lower Upper
 130 100
 95 106.5 0.0 224.4





#45

1,2-Dichloropropane

Concen: 53.219 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

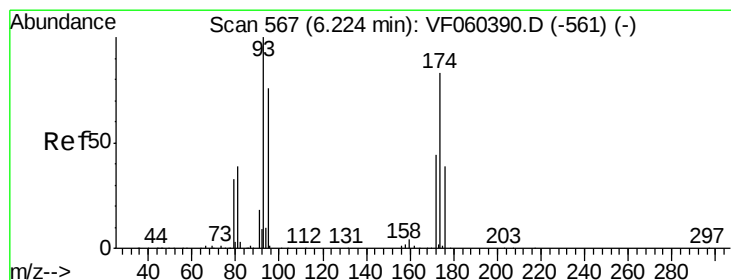
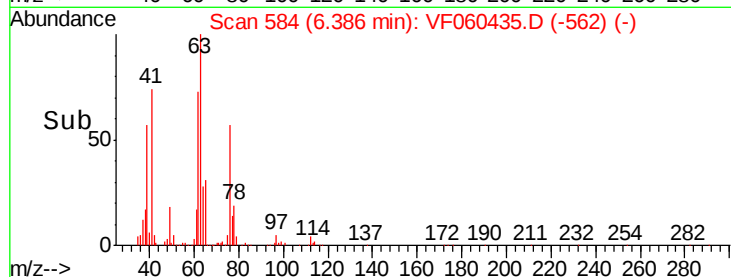
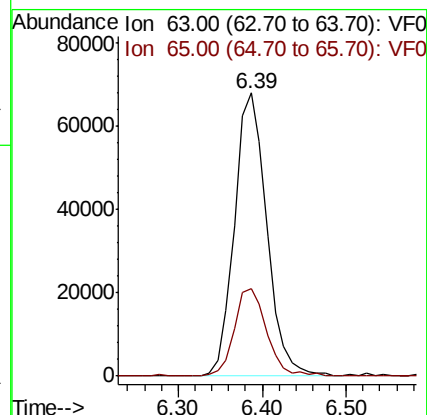
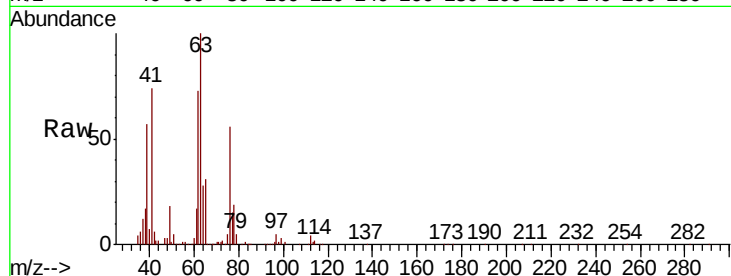
VSTDCCC050EC

Tot Ion: 63 Resp: 181655

Ion Ratio Lower Upper

63 100

65 31.0 22.7 34.1



#46

Dibromomethane

Concen: 44.676 ug/l

RT: 6.24 min Scan# 569

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

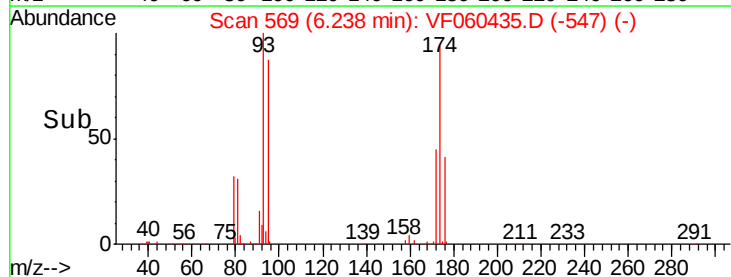
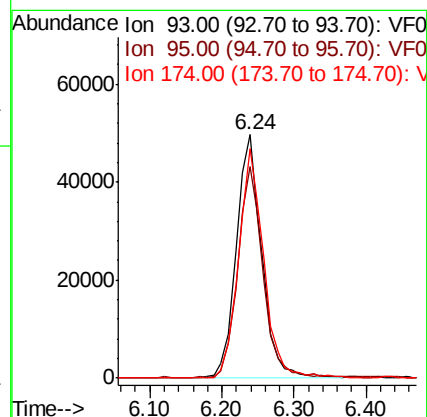
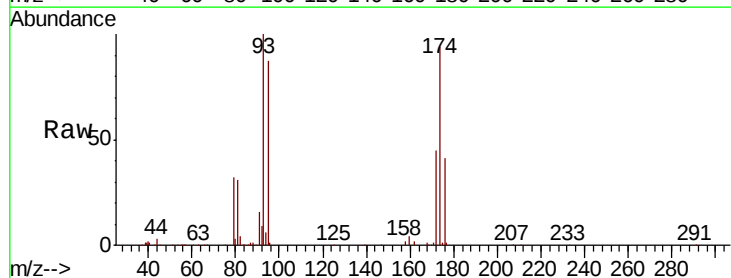
Tgt Ion: 93 Resp: 122608

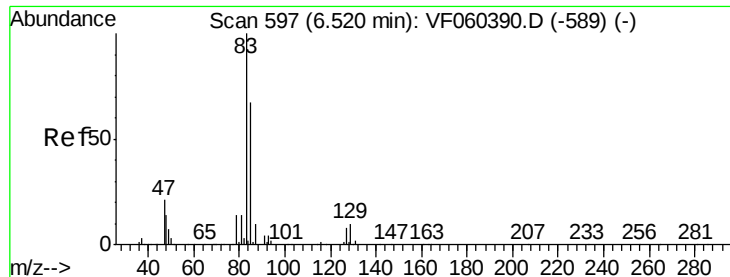
Ion Ratio Lower Upper

93 100

95 87.0 61.1 91.7

174 94.4 66.7 100.1





#47

Bromodichloromethane

Concen: 45.669 ug/l

RT: 6.53 min Scan# 599

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

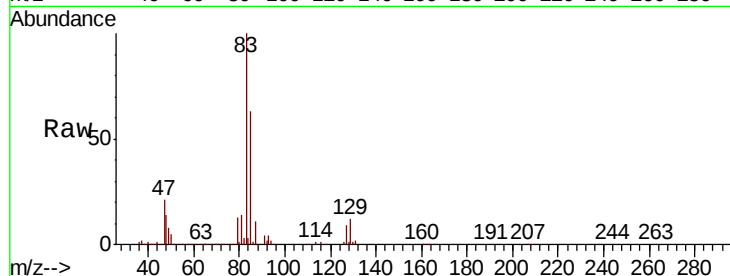
Tot Ion: 83 Resp: 310407

Ion Ratio Lower Upper

83 100

85 63.4 53.2 79.8

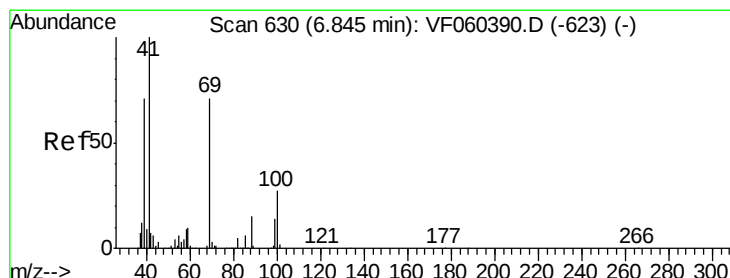
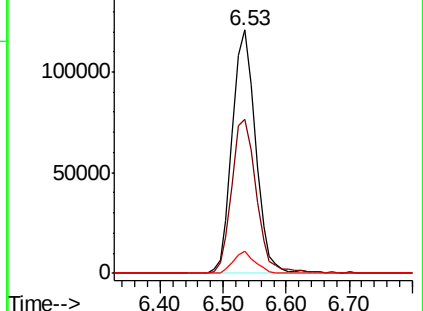
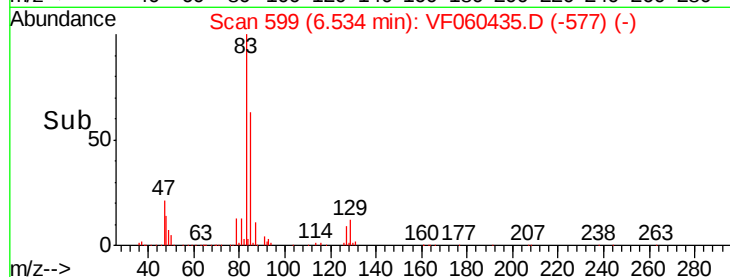
127 9.1 6.6 9.8



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: 46.331 ug/l

RT: 6.86 min Scan# 632

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

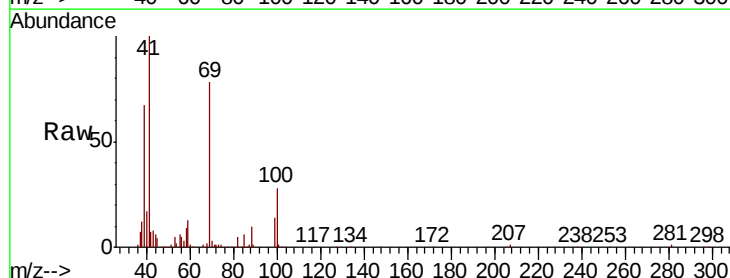
Tgt Ion: 41 Resp: 99371

Ion Ratio Lower Upper

41 100

69 77.8 56.3 84.5

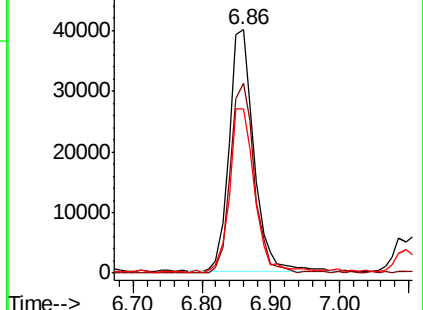
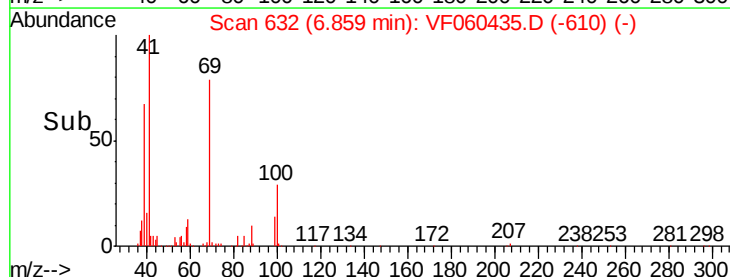
39 67.3 56.9 85.3

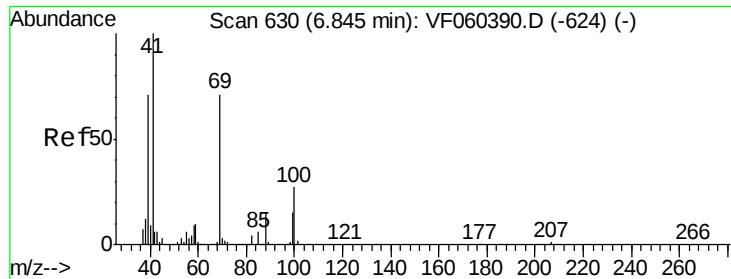


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

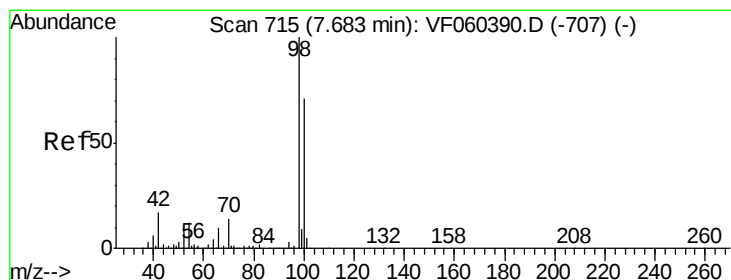
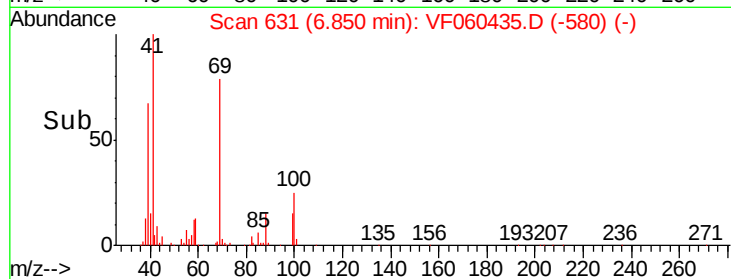
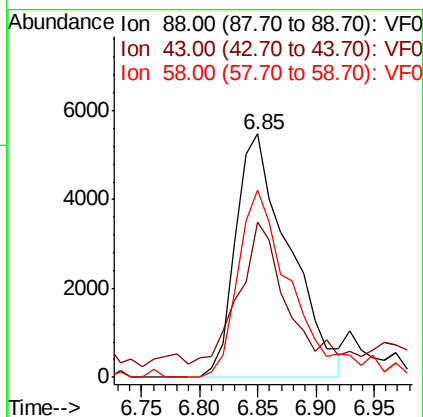
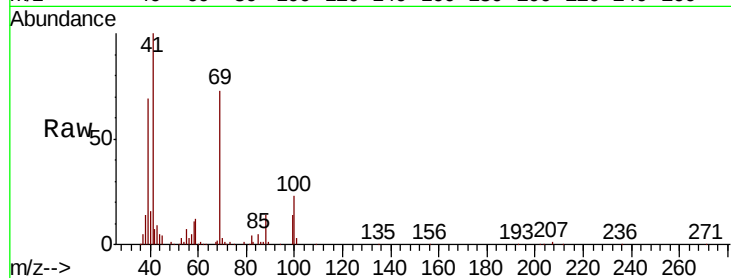




#49
1,4-Dioxane
Concen: 943.120 ug/l
RT: 6.85 min Scan# 631
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

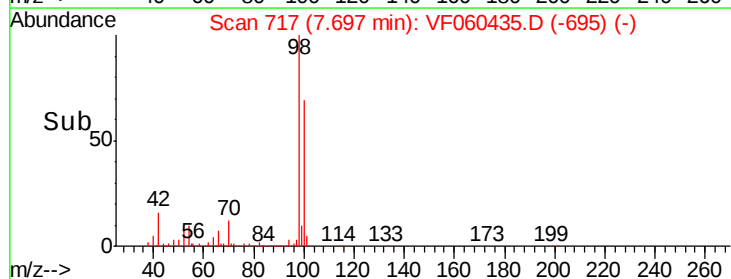
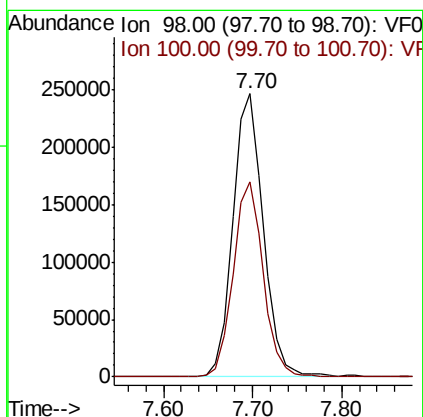
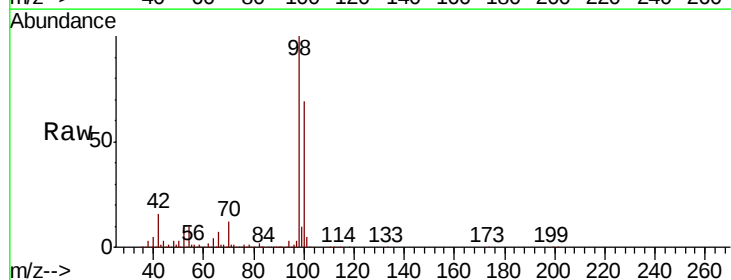
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

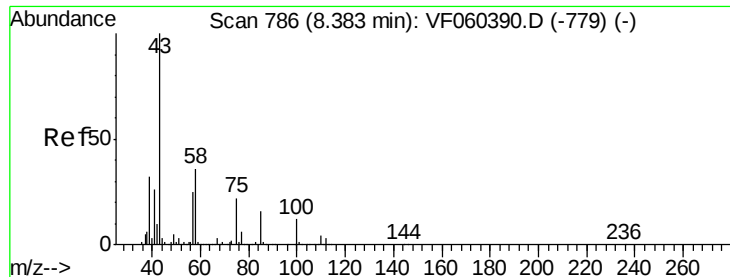
Tot Ion: 88 Resp: 17441
Ion Ratio Lower Upper
88 100
43 63.6 38.3 57.5#
58 77.1 47.4 71.2#



#50
Toluene-d8
Concen: 48.431 ug/l
RT: 7.70 min Scan# 717
Delta R.T. 0.01 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion: 98 Resp: 586789
Ion Ratio Lower Upper
98 100
100 68.8 56.5 84.7





#51

4-Methyl-2-Pentanone

Concen: 246.152 ug/l

RT: 8.39 min Scan# 787

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

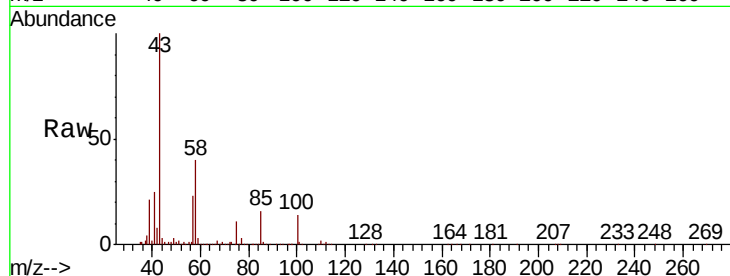
VSTDCCC050EC

Tot Ion: 43 Resp: 523540

Ion Ratio Lower Upper

43 100

58 40.1 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.39

250000

200000

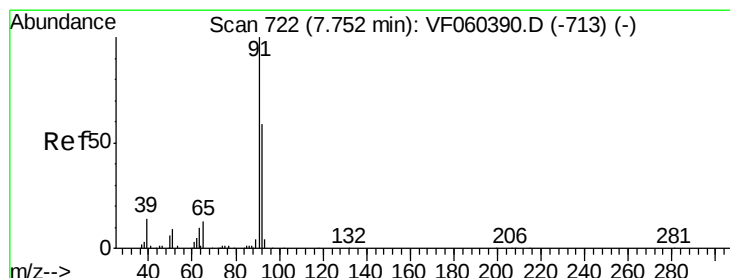
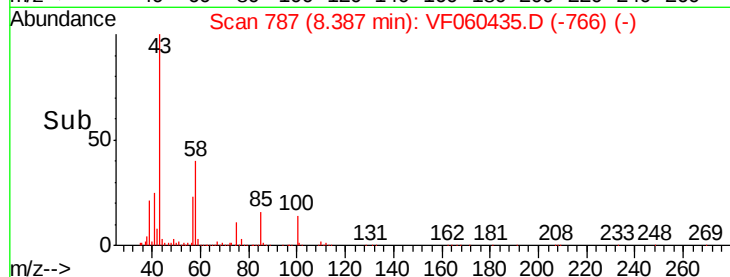
150000

100000

50000

0

Time--> 8.30 8.40 8.50



#52

Toluene

Concen: 48.863 ug/l

RT: 7.77 min Scan# 724

Delta R.T. 0.01 min

Lab File: VF060435.D

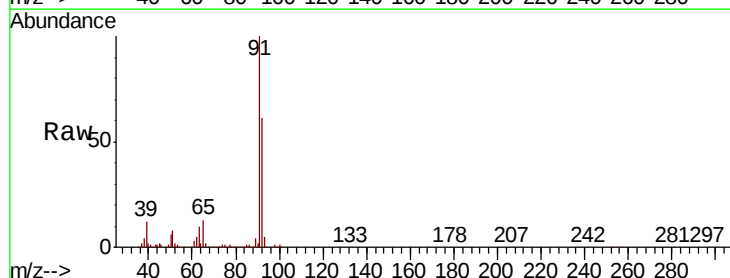
Acq: 4 Oct 2018 1:10

Tgt Ion: 92 Resp: 425393

Ion Ratio Lower Upper

92 100

91 164.2 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

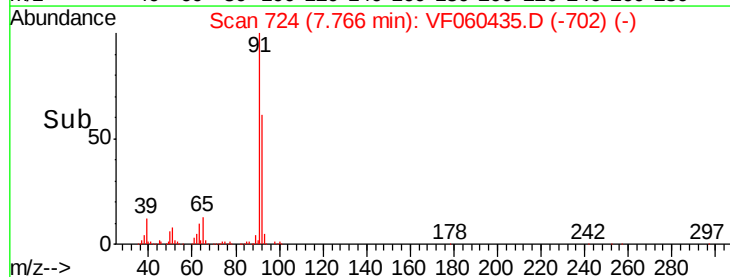
300000

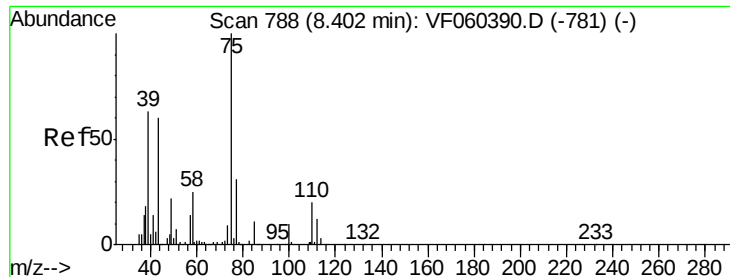
200000

100000

0

Time--> 7.60 7.70 7.80 7.90





#53

t-1,3-Dichloropropene

Concen: 45.394 ug/l

RT: 8.42 min Scan# 790

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

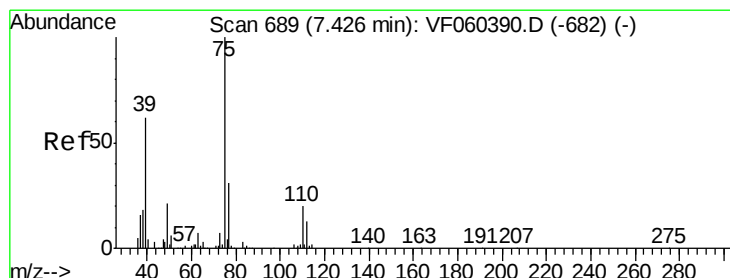
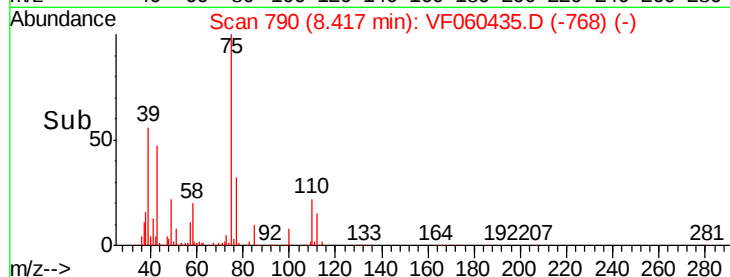
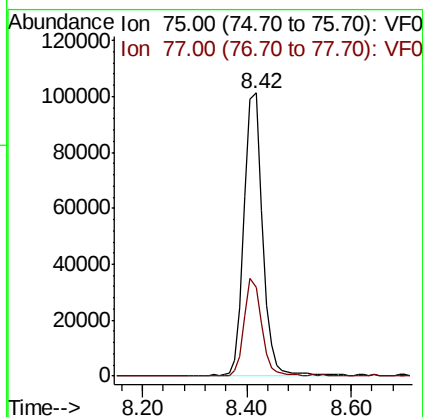
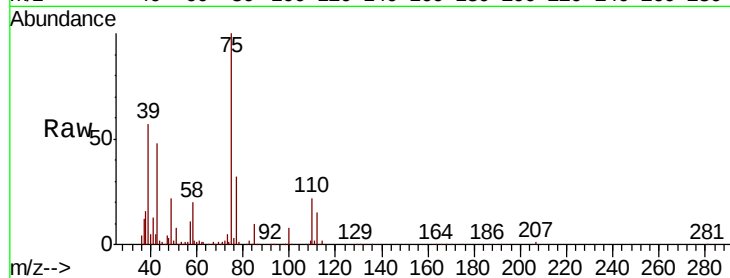
VSTDCCC050EC

Tot Ion: 75 Resp: 241798

Ion Ratio Lower Upper

75 100

77 31.5 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 47.373 ug/l

RT: 7.44 min Scan# 691

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

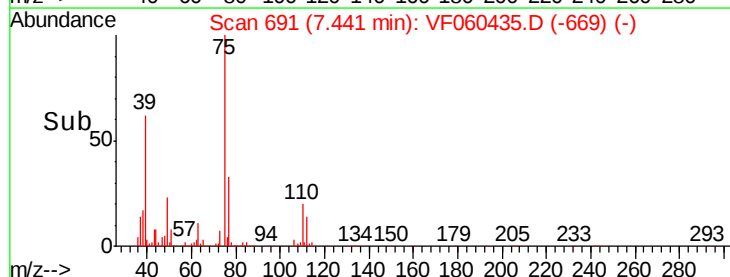
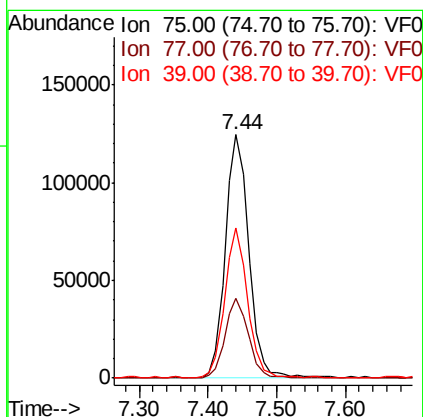
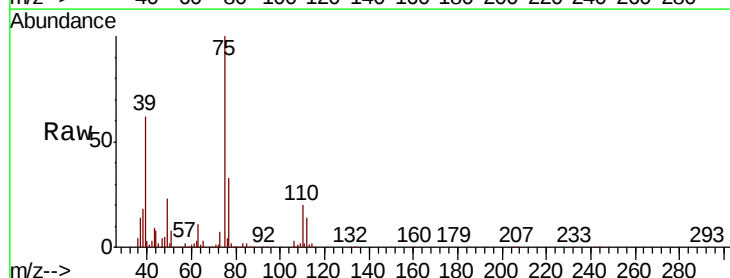
Tgt Ion: 75 Resp: 294916

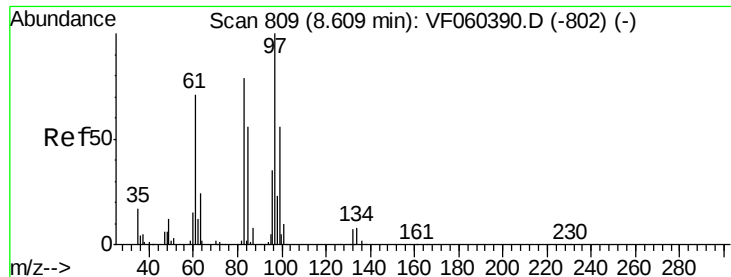
Ion Ratio Lower Upper

75 100

77 32.5 25.2 37.8

39 61.8 49.7 74.5





#55

1,1,2-Trichloroethane

Concen: 46.532 ug/l

RT: 8.62 min Scan# 811

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 128404

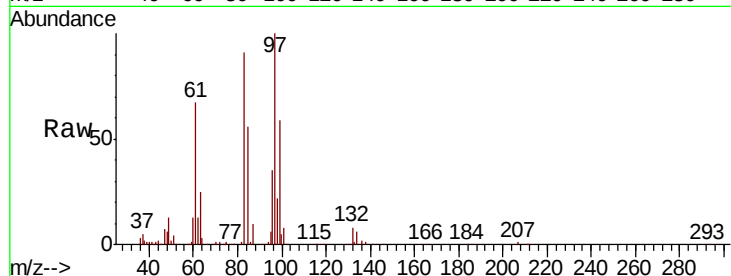
Ion Ratio Lower Upper

97 100

83 91.1 63.4 95.0

85 55.8 44.5 66.7

99 59.1 45.1 67.7

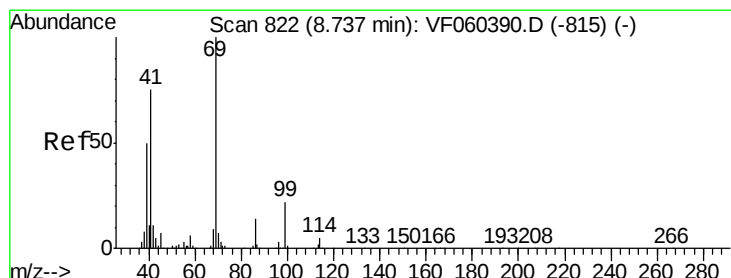
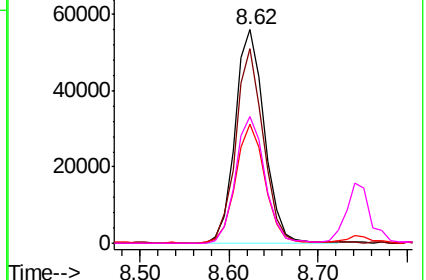
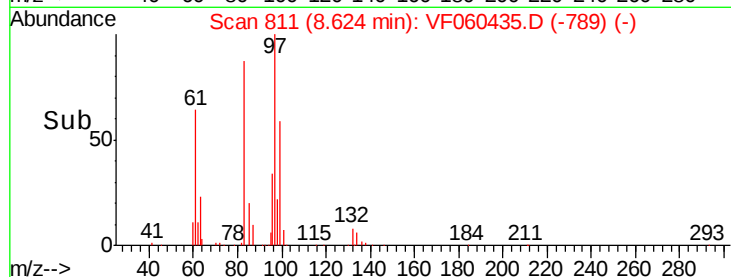


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 49.337 ug/l

RT: 8.74 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

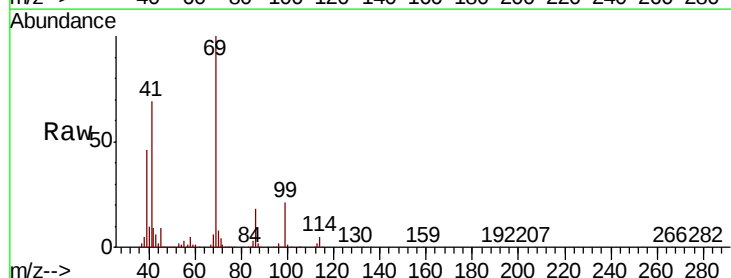
Tgt Ion: 69 Resp: 154704

Ion Ratio Lower Upper

69 100

41 69.2 60.2 90.4

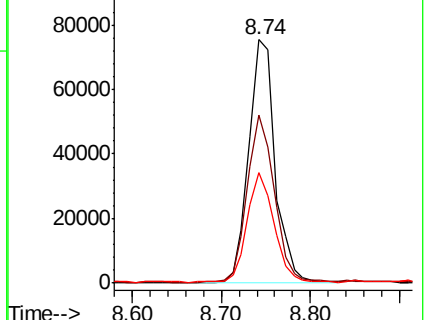
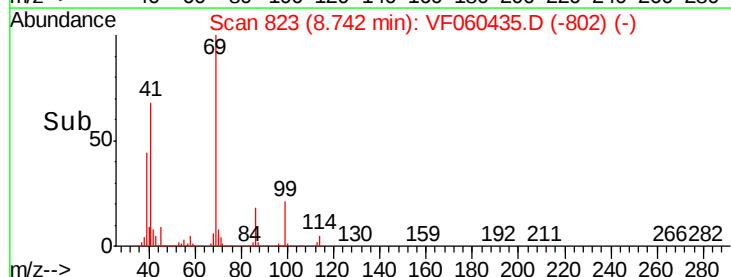
39 45.5 40.2 60.2

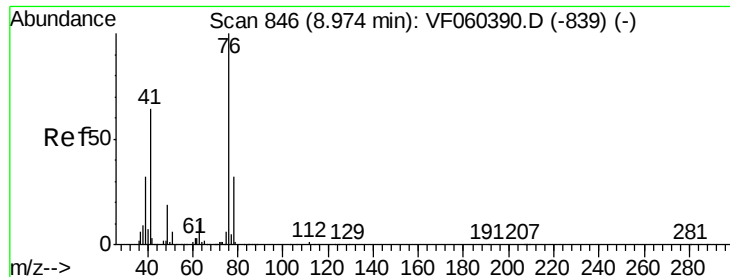


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 47.414 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

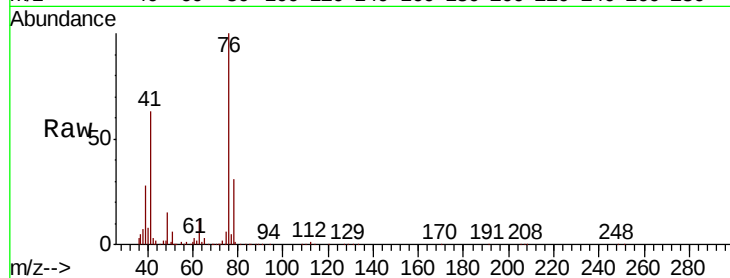
VSTDCCC050EC

Tot Ion: 76 Resp: 221342

Ion Ratio Lower Upper

76 100

78 30.6 25.3 37.9



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

8.98

100000

80000

60000

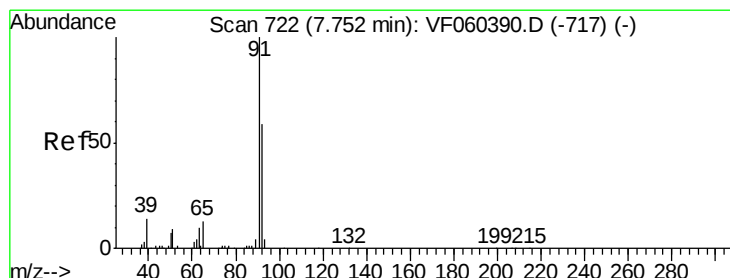
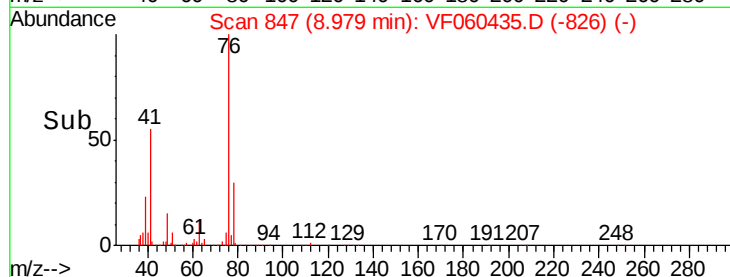
40000

20000

0

8.90 9.00 9.10

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 217.928 ug/l

RT: 7.77 min Scan# 724

Delta R.T. 0.01 min

Lab File: VF060435.D

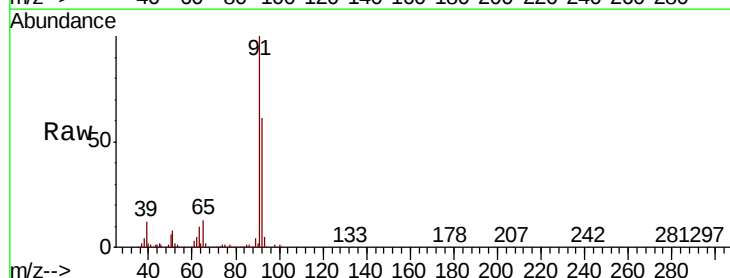
Acq: 4 Oct 2018 1:10

Tgt Ion: 63 Resp: 69801

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

7.77

30000

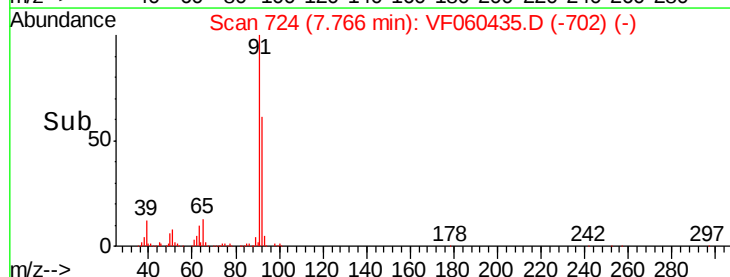
20000

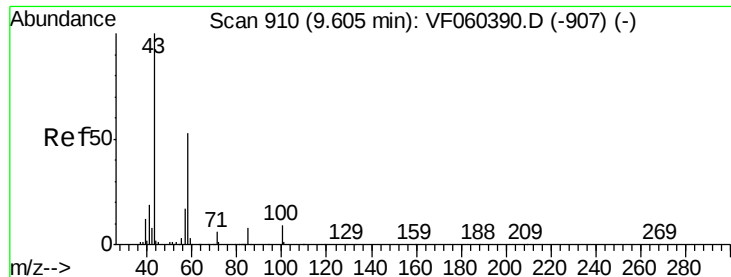
10000

0

7.60 7.70 7.80 7.90

Time-->

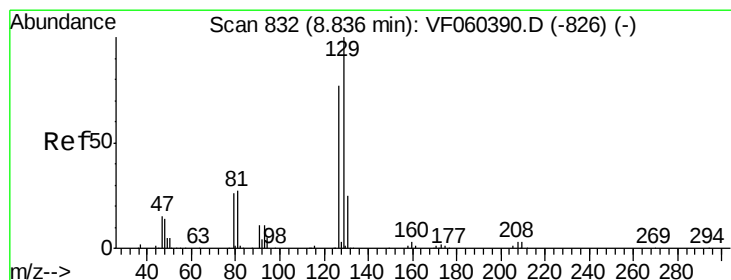
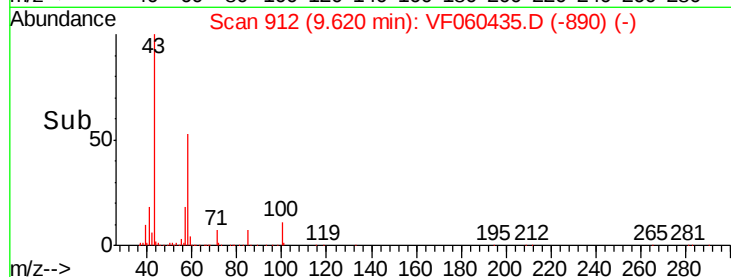
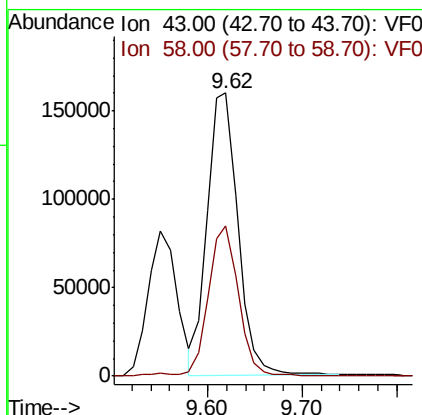
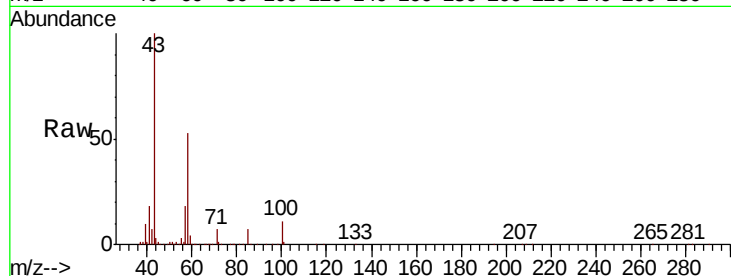




#59
2-Hexanone
Concen: 230.891 ug/l
RT: 9.62 min Scan# 912
Delta R.T. 0.01 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

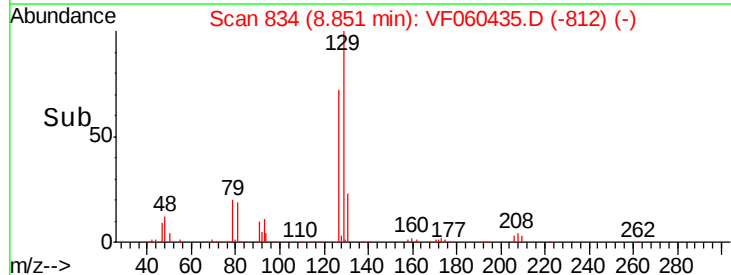
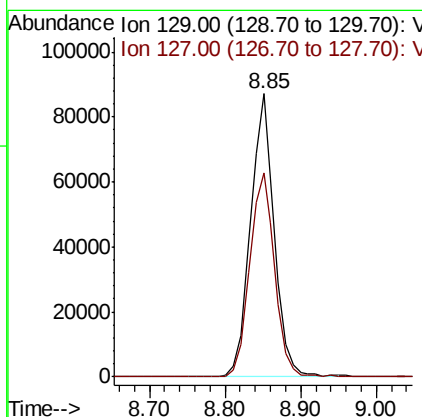
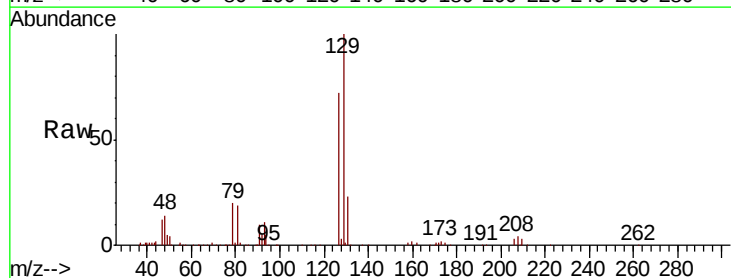
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

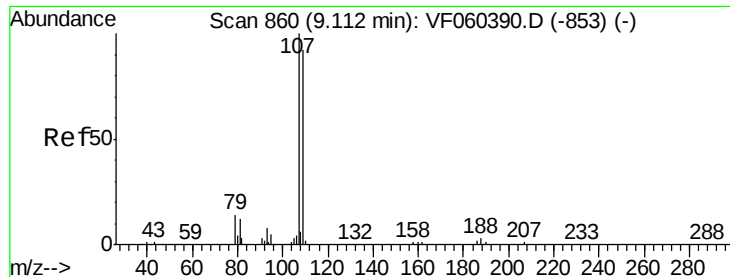
Tot Ion: 43 Resp: 360202
Ion Ratio Lower Upper
43 100
58 53.3 25.6 76.6



#60
Dibromochloromethane
Concen: 45.800 ug/l
RT: 8.85 min Scan# 834
Delta R.T. 0.01 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion: 129 Resp: 190289
Ion Ratio Lower Upper
129 100
127 72.1 38.3 114.8





#61

1,2-Dibromoethane

Concen: 49.873 ug/l

RT: 9.12 min Scan# 861

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

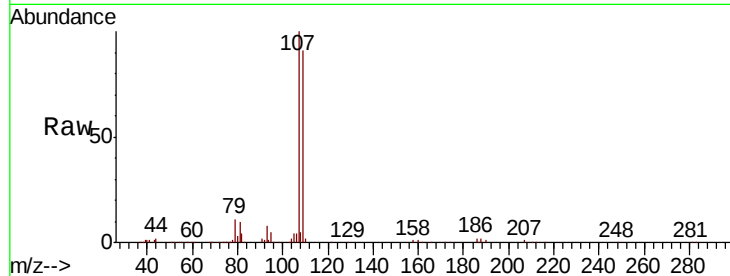
VSTDCCC050EC

Tot Ion:107 Resp: 150590

Ion Ratio Lower Upper

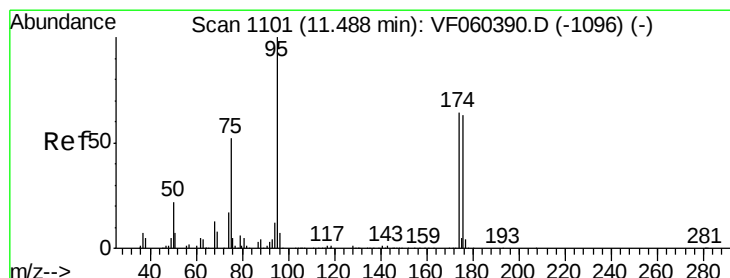
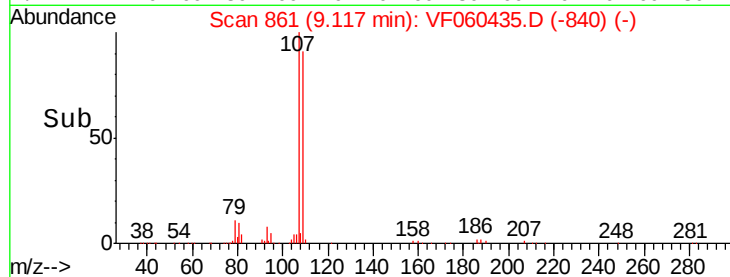
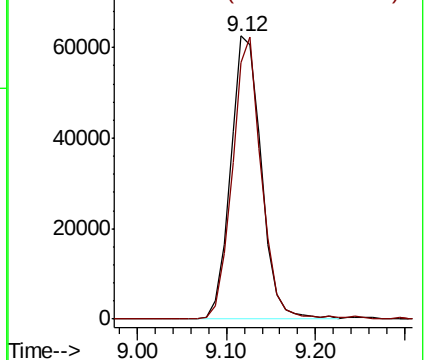
107 100

109 90.7 73.7 110.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 44.320 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

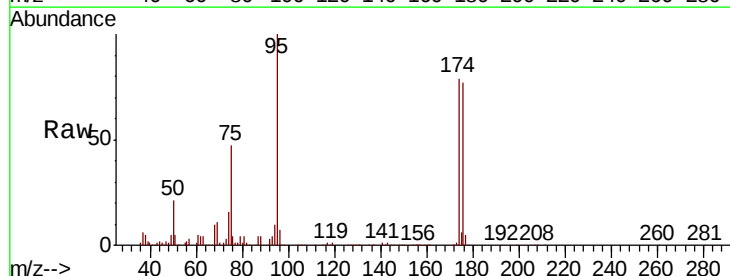
Tgt Ion: 95 Resp: 245183

Ion Ratio Lower Upper

95 100

174 79.0 0.0 129.0

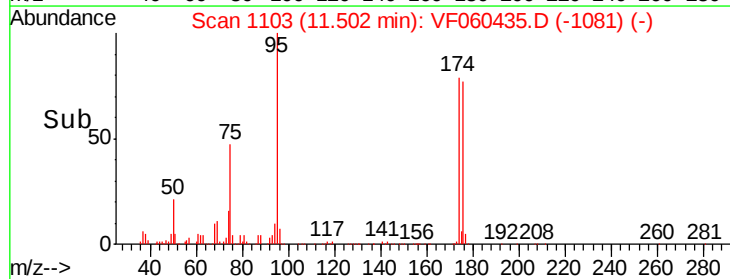
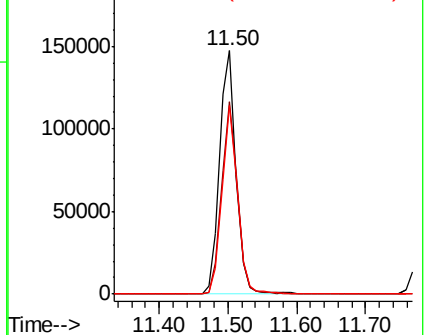
176 77.4 0.0 125.6

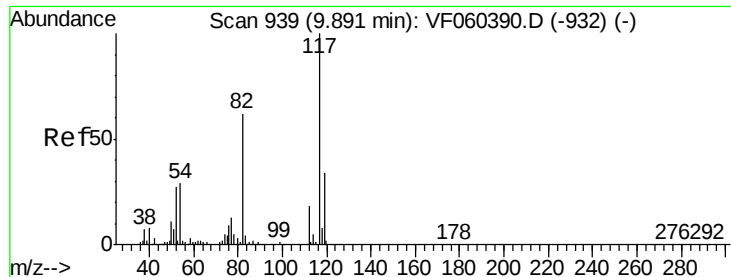


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 941

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

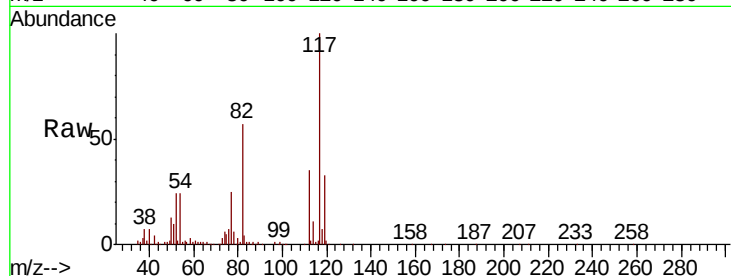
Tot Ion:117 Resp: 443031

Ion Ratio Lower Upper

117 100

82 57.3 49.5 74.3

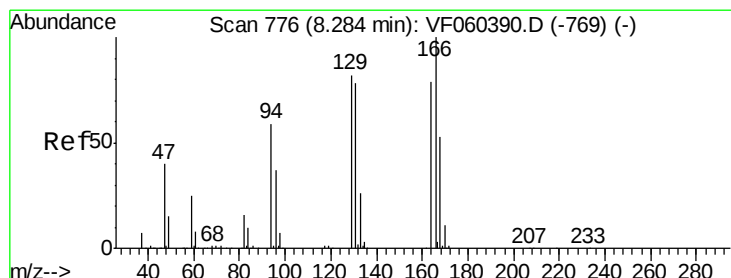
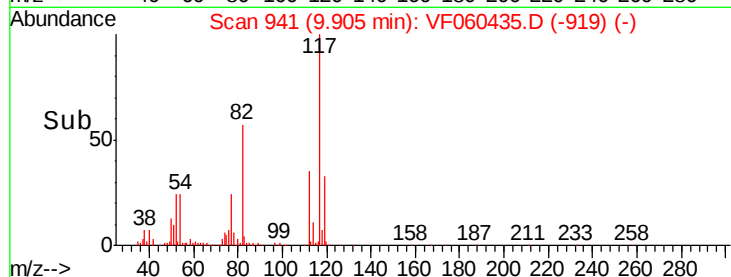
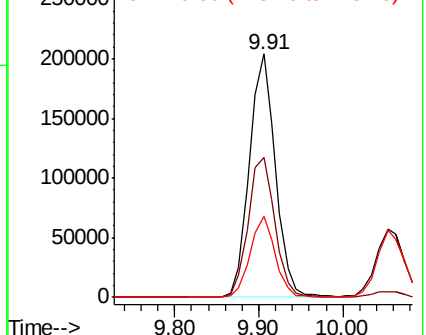
119 33.4 27.0 40.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 53.954 ug/l

RT: 8.29 min Scan# 777

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Tgt Ion:164 Resp: 190016

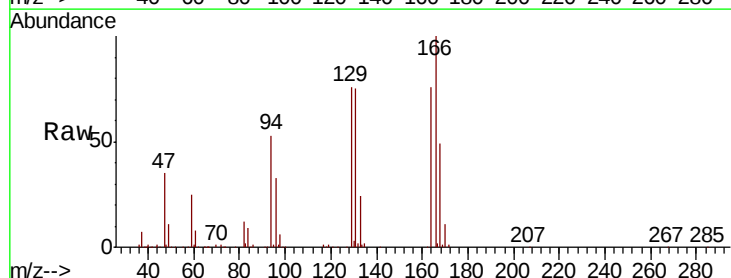
Ion Ratio Lower Upper

164 100

166 131.1 101.0 151.6

129 99.9 82.5 123.7

131 97.9 79.2 118.8

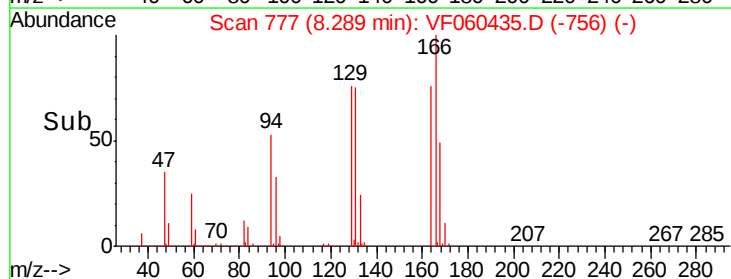
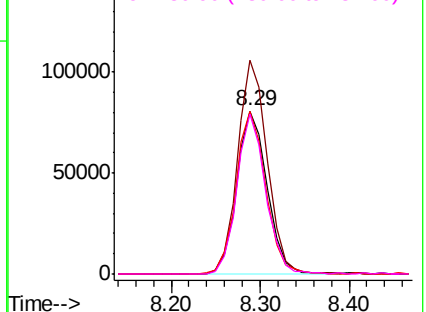


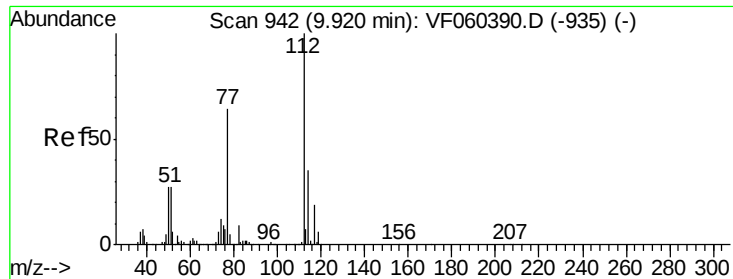
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

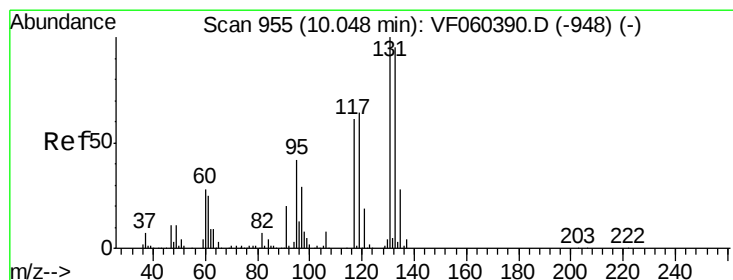
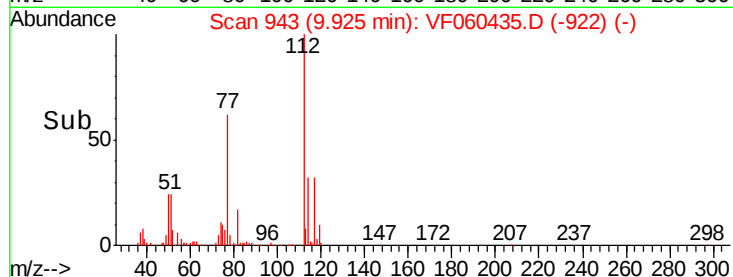
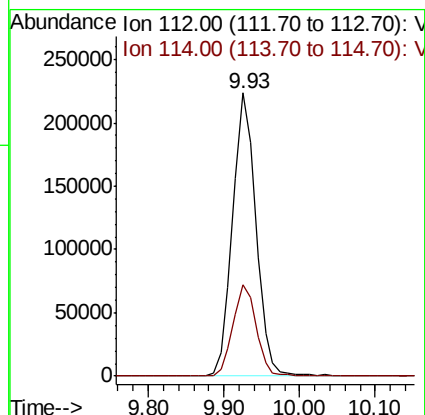
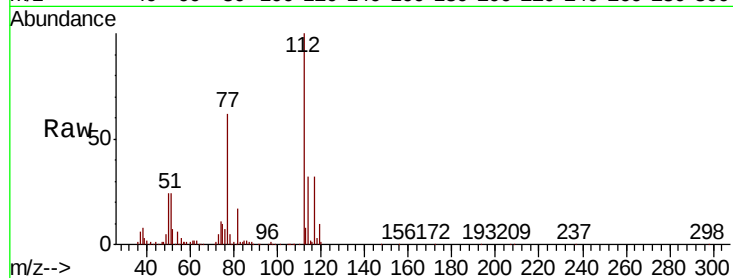




#65
Chlorobenzene
Concen: 52.420 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

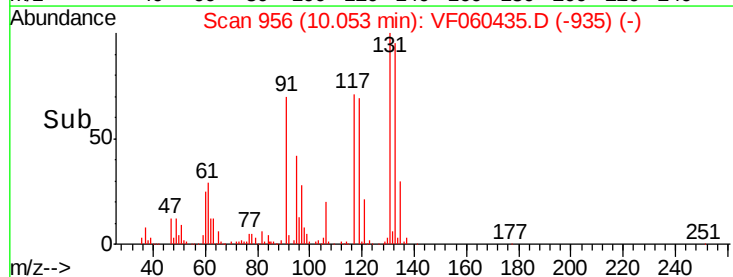
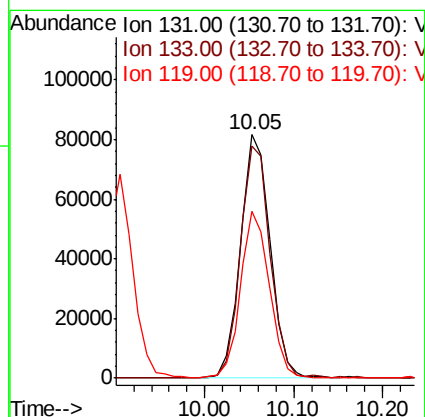
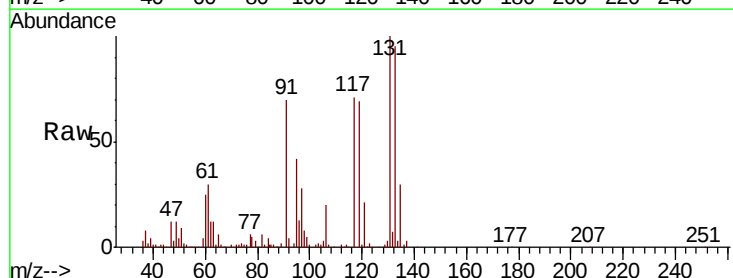
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

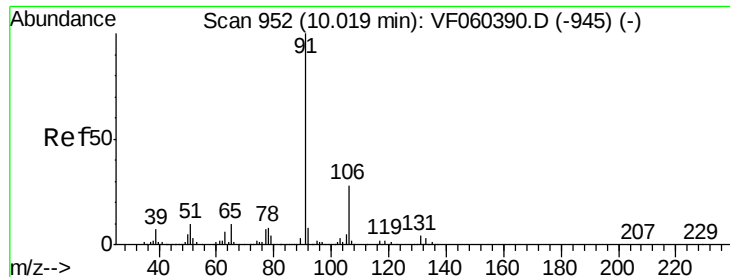
Tot Ion:112 Resp: 477058
Ion Ratio Lower Upper
112 100
114 32.3 27.7 41.5



#66
1,1,1,2-Tetrachloroethane
Concen: 47.440 ug/l
RT: 10.05 min Scan# 956
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion:131 Resp: 188511
Ion Ratio Lower Upper
131 100
133 95.3 47.3 141.8
119 68.5 32.3 96.9





#67

Ethyl Benzene

Concen: 49.039 ug/l

RT: 10.02 min Scan# 953

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

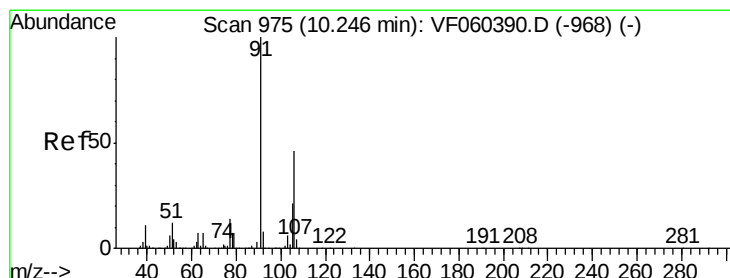
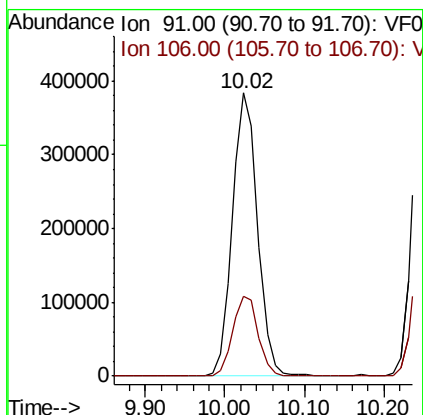
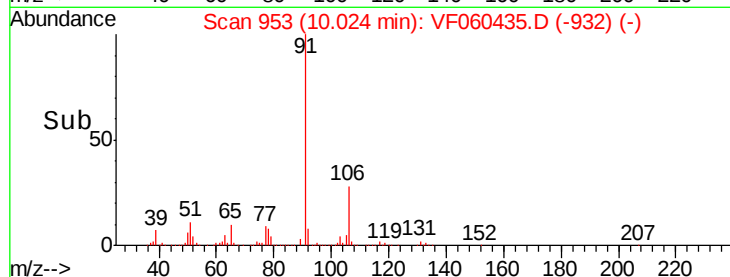
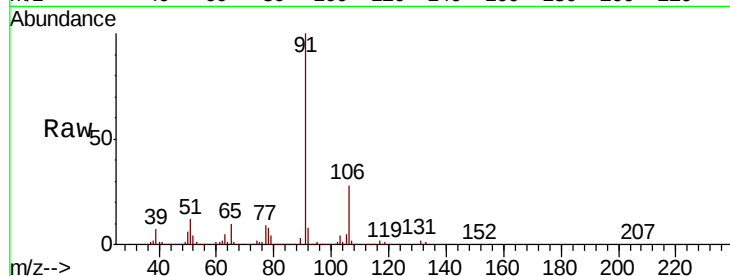
VSTDCCC050EC

Tot Ion: 91 Resp: 848573

Ion Ratio Lower Upper

91 100

106 28.1 22.5 33.7



#68

m/p-Xylenes

Concen: 96.260 ug/l

RT: 10.25 min Scan# 976

Delta R.T. 0.00 min

Lab File: VF060435.D

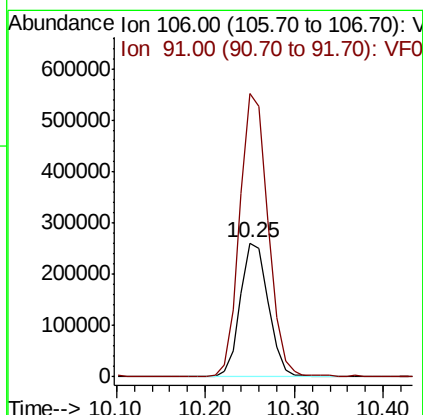
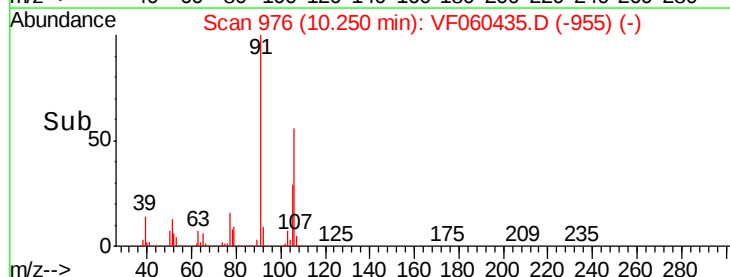
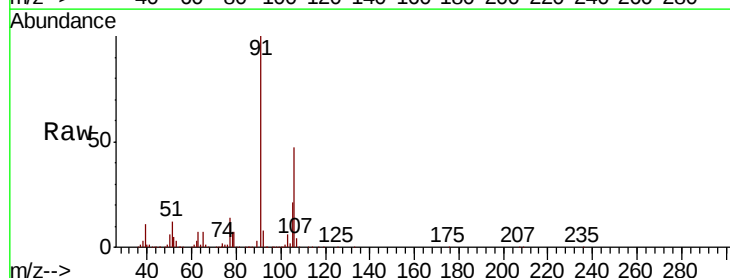
Acq: 4 Oct 2018 1:10

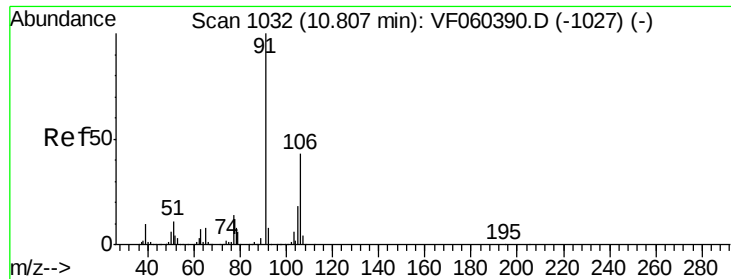
Tgt Ion: 106 Resp: 572602

Ion Ratio Lower Upper

106 100

91 211.0 175.0 262.6

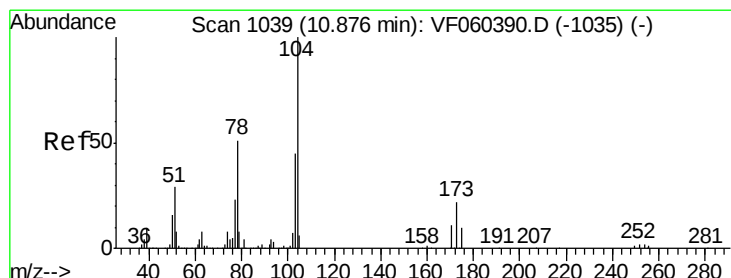
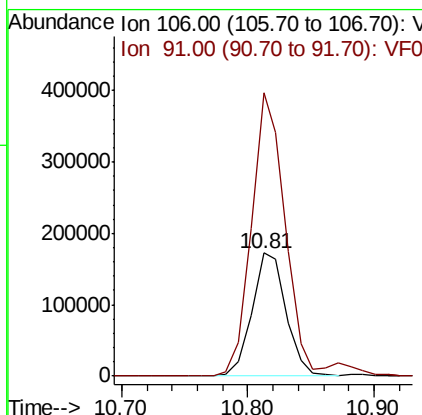
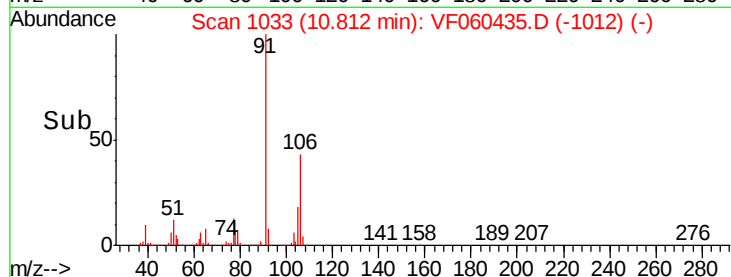
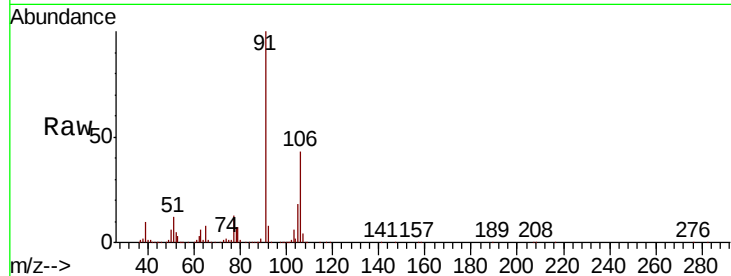




#69
o-Xylene
Concen: 49.868 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

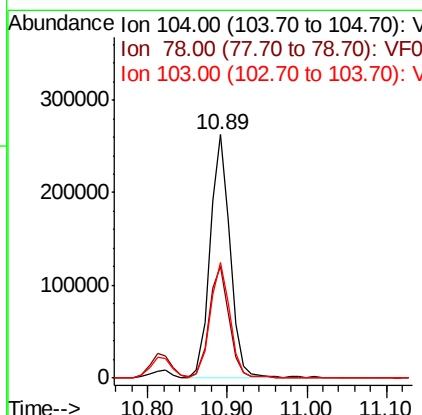
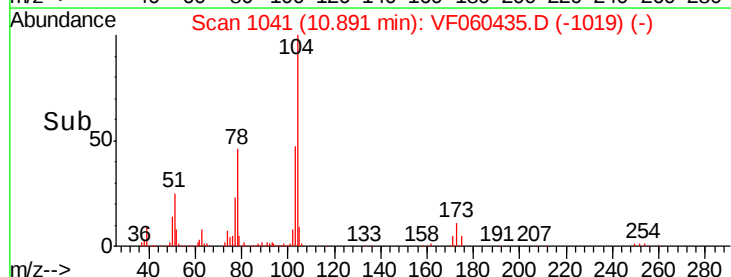
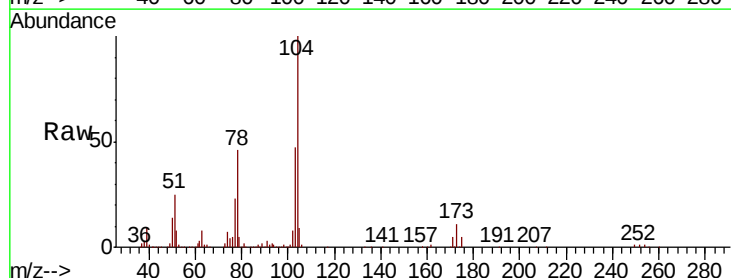
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

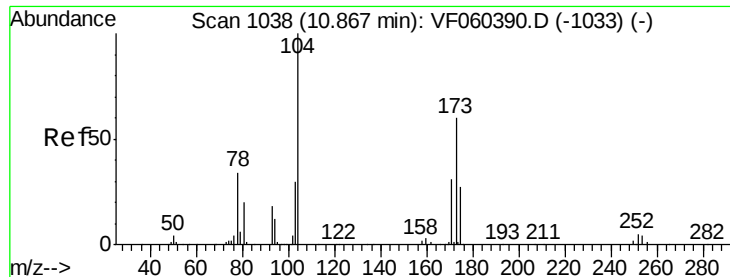
Tot Ion:106 Resp: 323339
Ion Ratio Lower Upper
106 100
91 230.5 115.1 345.2



#70
Styrene
Concen: 49.792 ug/l
RT: 10.89 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion:104 Resp: 459224
Ion Ratio Lower Upper
104 100
78 46.0 41.0 61.4
103 47.3 36.4 54.6





#71

Bromoform

Concen: 47.896 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

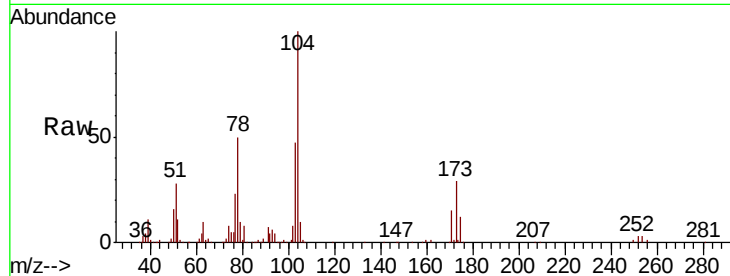
Tot Ion:173 Resp: 101329

Ion Ratio Lower Upper

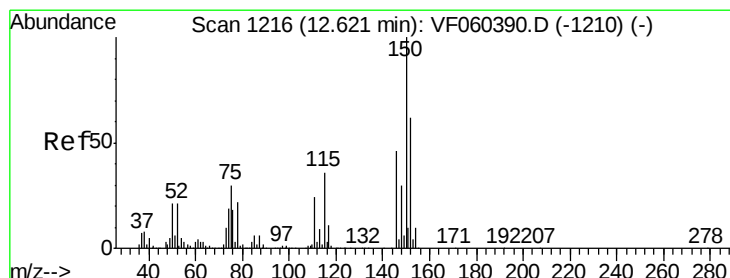
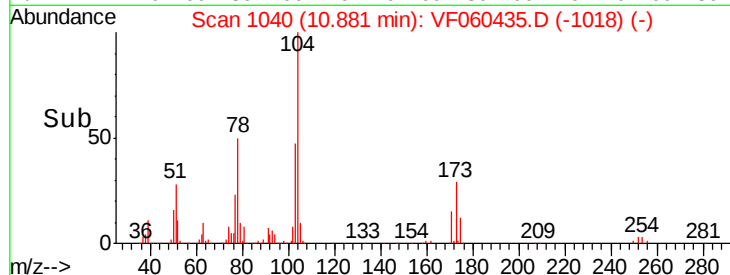
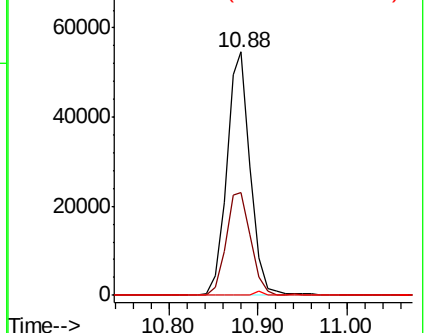
173 100

175 41.3 22.1 66.1

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: 12.63 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

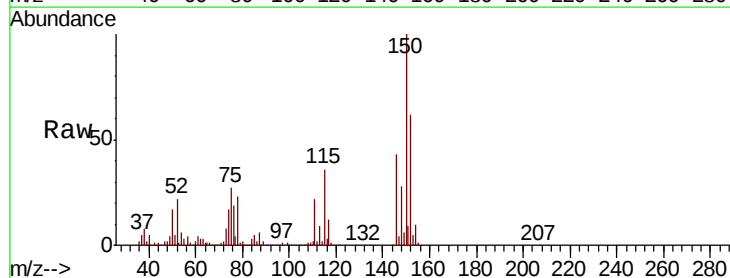
Tgt Ion:152 Resp: 225825

Ion Ratio Lower Upper

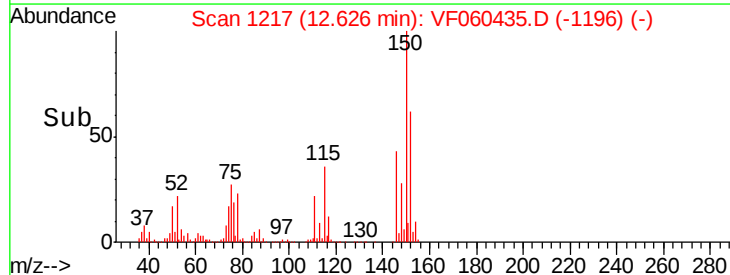
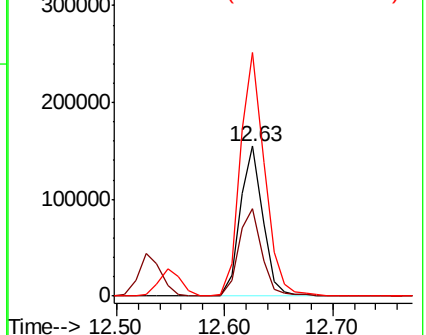
152 100

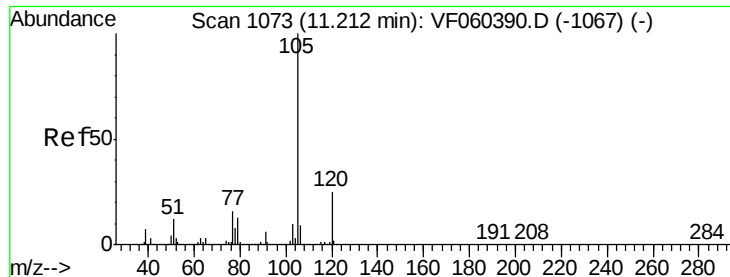
115 58.3 28.6 85.8

150 162.2 0.0 324.6



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: 52.584 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

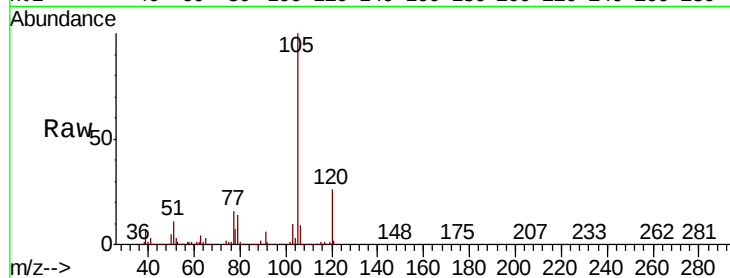
VSTDCCC050EC

Tot Ion:105 Resp: 934988

Ion Ratio Lower Upper

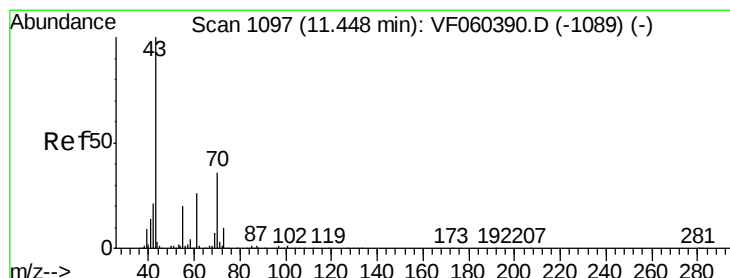
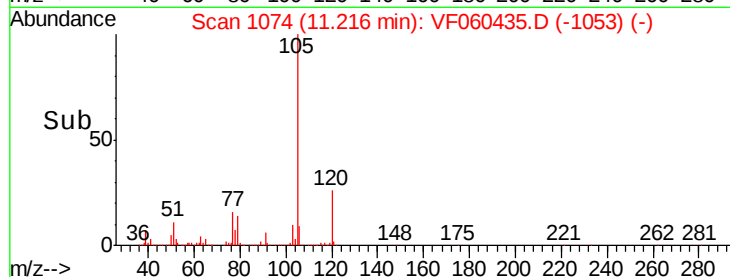
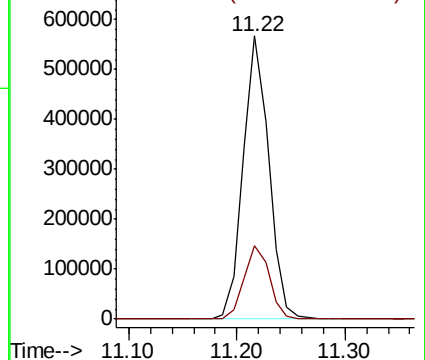
105 100

120 26.1 12.3 36.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 57.173 ug/l

RT: 11.45 min Scan# 1098

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Tgt Ion: 43 Resp: 233312

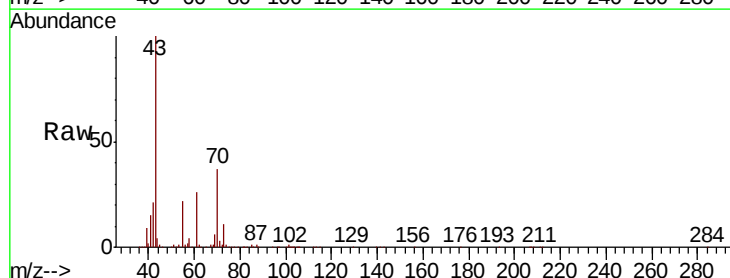
Ion Ratio Lower Upper

43 100

70 36.9 29.1 43.7

55 21.9 16.3 24.5

61 25.5 21.0 31.4

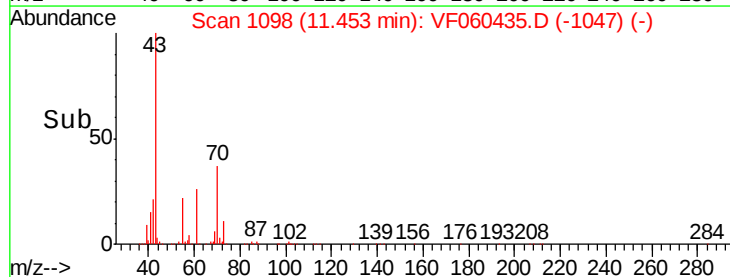
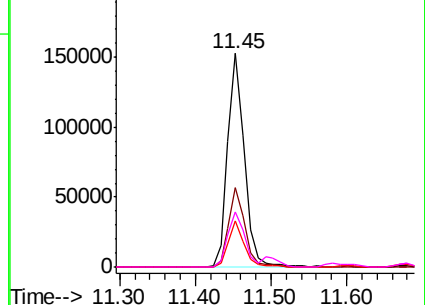


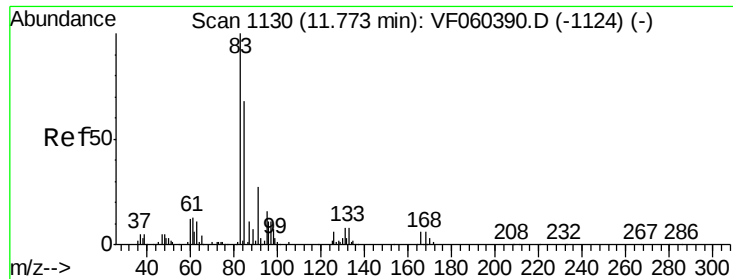
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.125 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

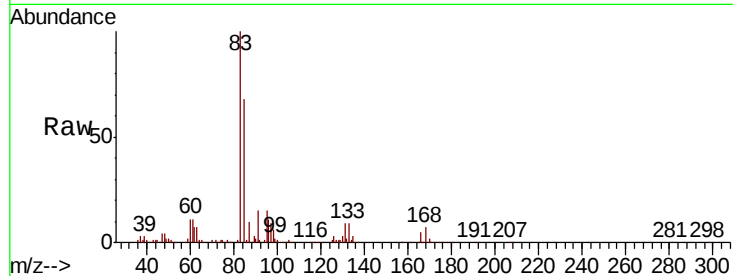
Tot Ion: 83 Resp: 172216

Ion Ratio Lower Upper

83 100

131 8.9 4.0 12.0

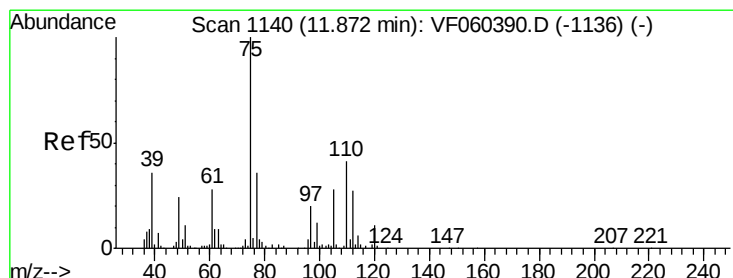
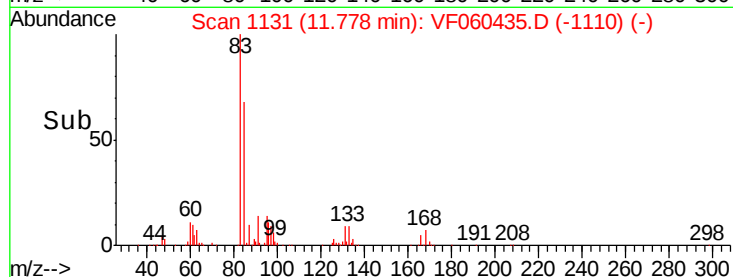
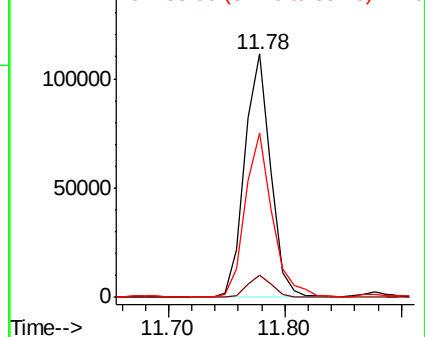
85 67.6 34.0 102.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 52.078 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF060435.D

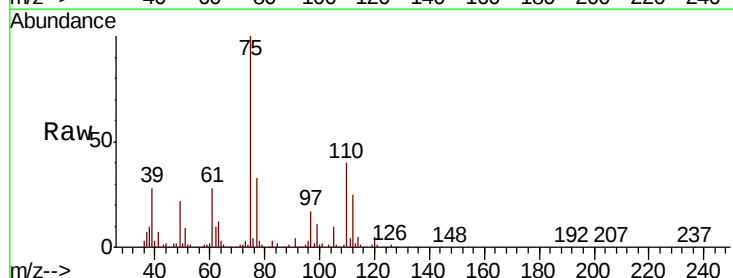
Acq: 4 Oct 2018 1:10

Tgt Ion: 75 Resp: 124285

Ion Ratio Lower Upper

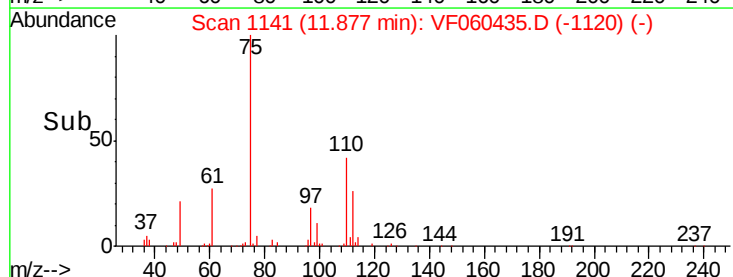
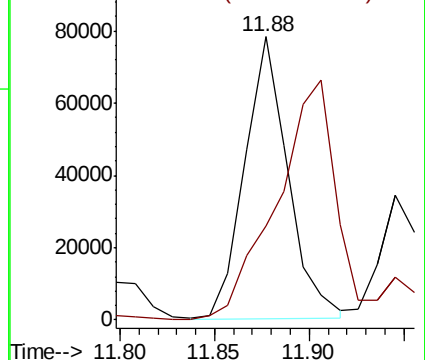
75 100

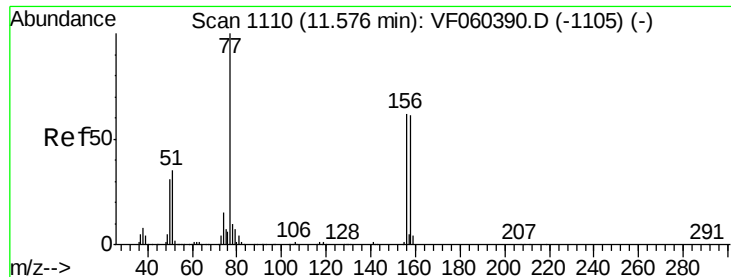
77 33.4 18.1 54.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 51.953 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

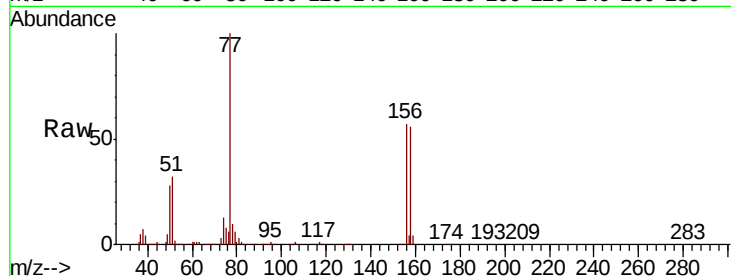
Tot Ion:156 Resp: 206497

Ion Ratio Lower Upper

156 100

77 176.2 81.3 243.9

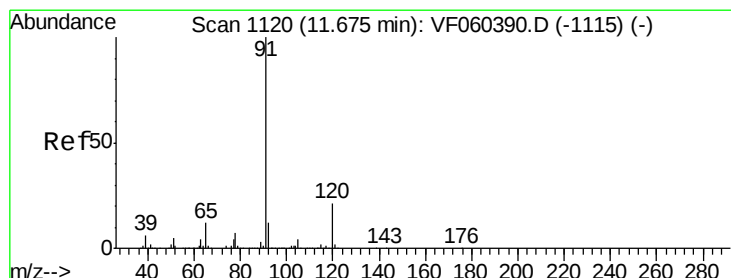
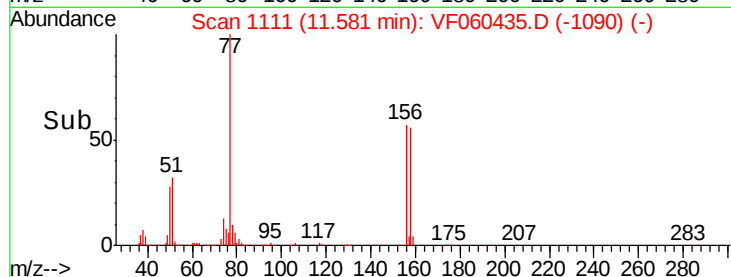
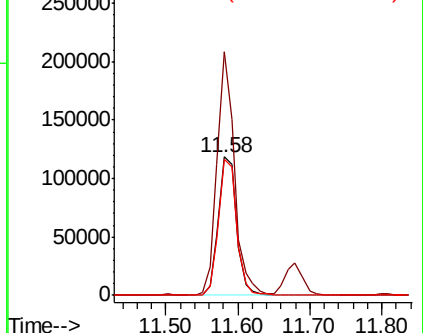
158 98.8 49.6 149.0



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: 51.302 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF060435.D

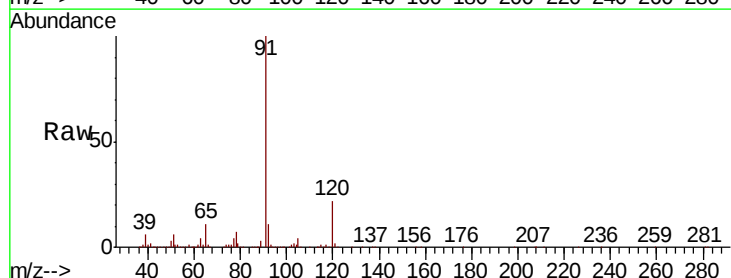
Acq: 4 Oct 2018 1:10

Tgt Ion: 91 Resp: 1105857

Ion Ratio Lower Upper

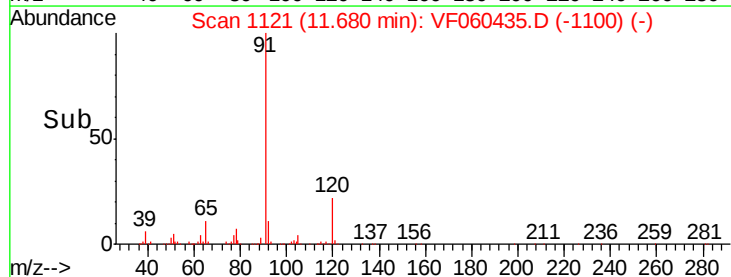
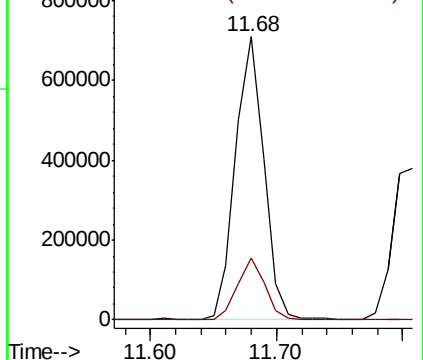
91 100

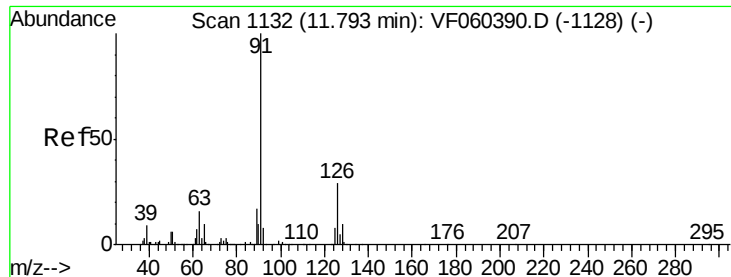
120 22.1 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

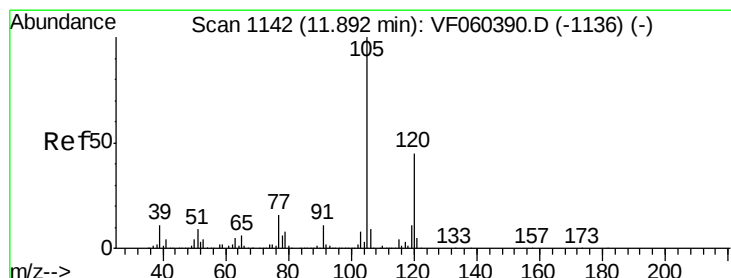
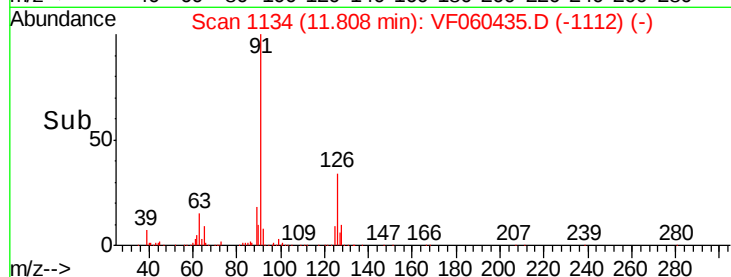
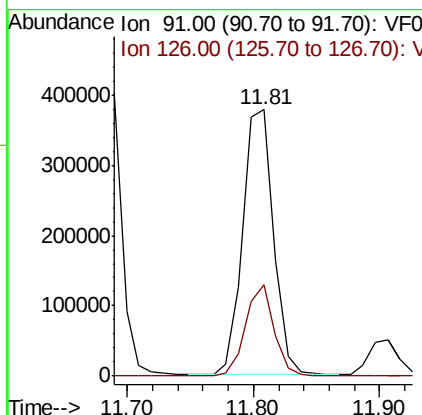
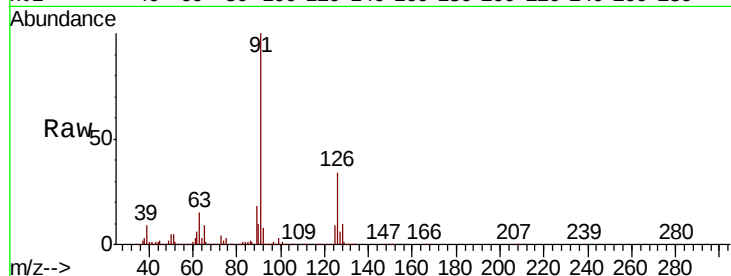




#79
 2-Chlorotoluene
 Concen: 50.486 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. 0.01 min
 Lab File: VF060435.D
 Acq: 4 Oct 2018 1:10

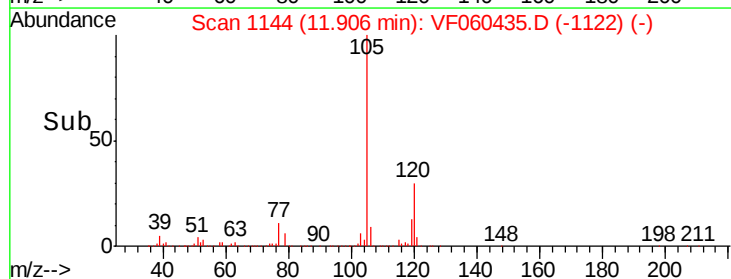
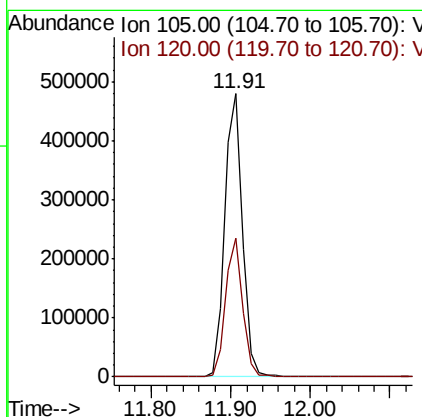
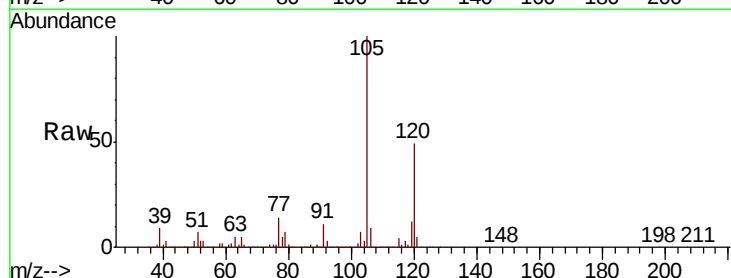
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

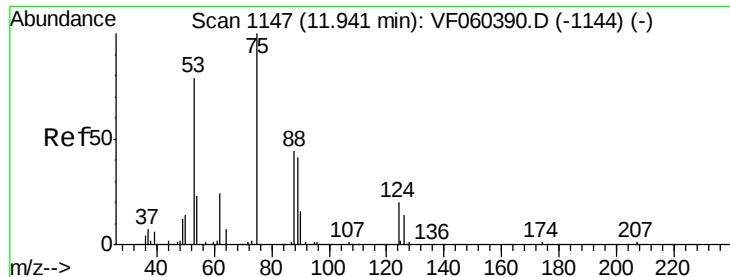
Tot Ion: 91 Resp: 636589
 Ion Ratio Lower Upper
 91 100
 126 34.3 14.4 43.4



#80
 1,3,5-Trimethylbenzene
 Concen: 50.029 ug/l
 RT: 11.91 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VF060435.D
 Acq: 4 Oct 2018 1:10

Tgt Ion:105 Resp: 755779
 Ion Ratio Lower Upper
 105 100
 120 48.8 22.3 66.9

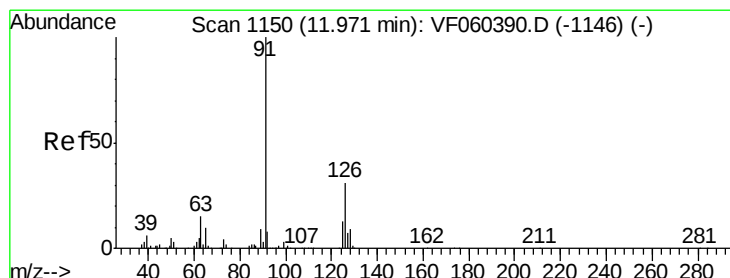
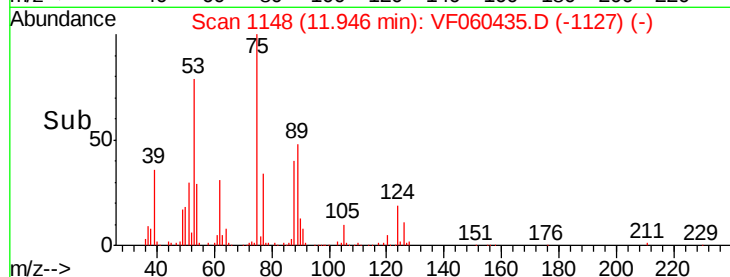
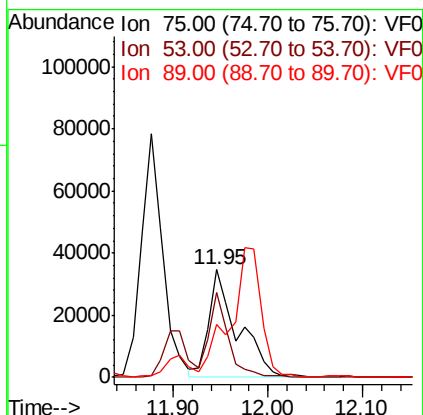
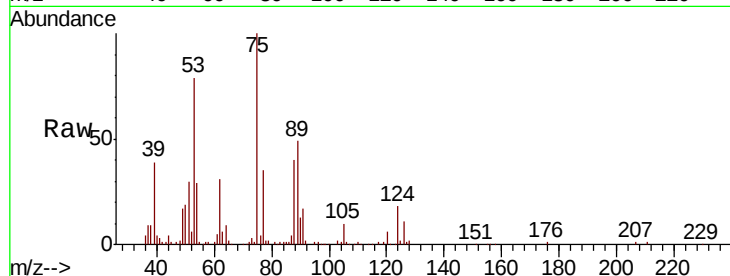




#81
trans-1,4-Dichloro-2-butene
Concen: 70.353 ug/l
RT: 11.95 min Scan# 1148
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

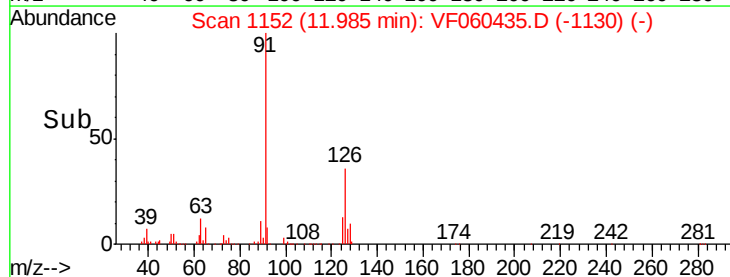
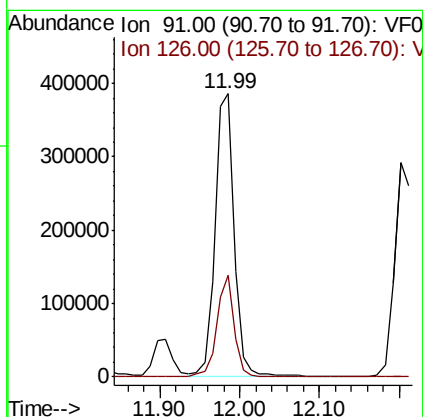
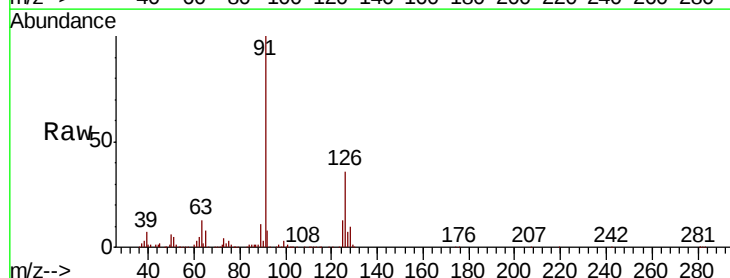
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

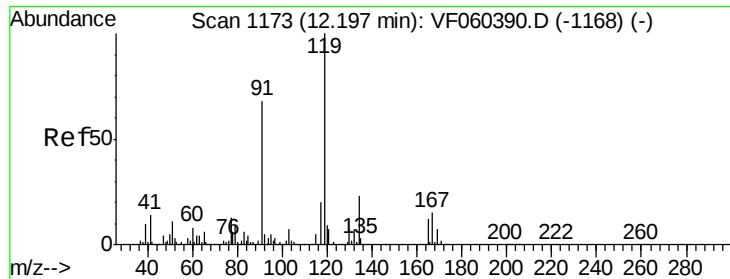
Tot Ion: 75 Resp: 74427
Ion Ratio Lower Upper
75 100
53 79.0 67.8 101.8
89 49.0 36.7 55.1



#82
4-Chlorotoluene
Concen: 50.209 ug/l
RT: 11.99 min Scan# 1152
Delta R.T. 0.01 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion: 91 Resp: 647764
Ion Ratio Lower Upper
91 100
126 35.7 15.7 47.0

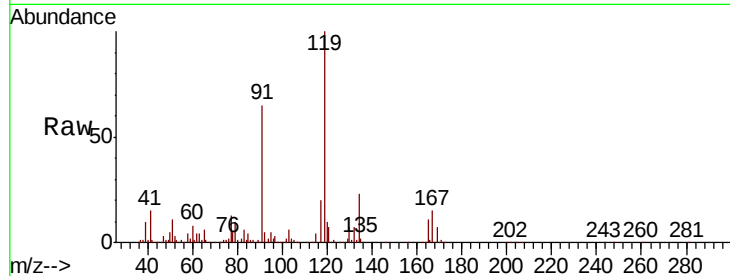




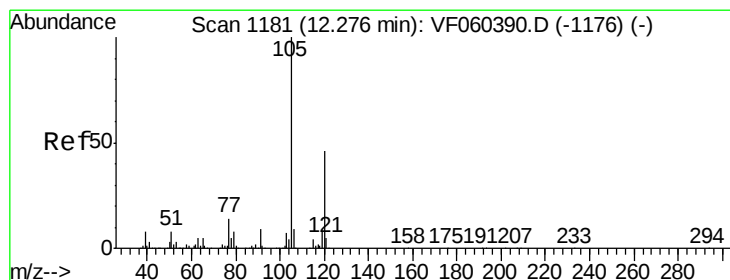
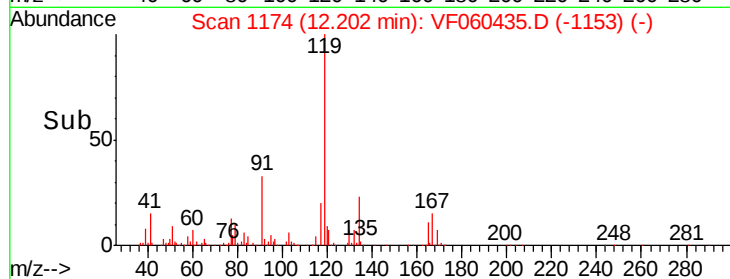
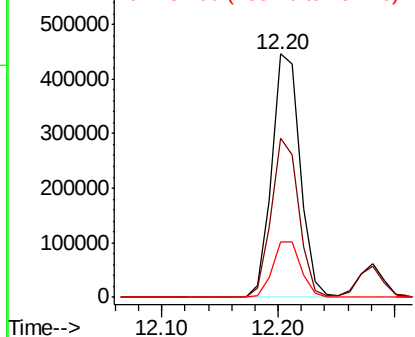
#83
tert-Butylbenzene
Concen: 50.546 ug/l
RT: 12.20 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 753145
Ion Ratio Lower Upper
119 100
91 65.4 34.0 102.0
134 22.9 11.7 35.0

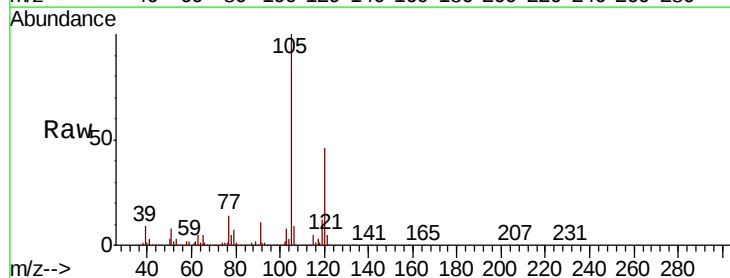


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

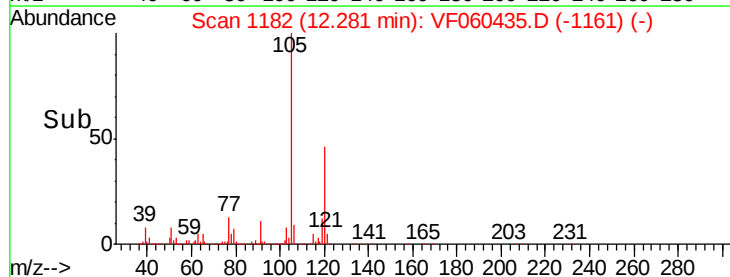
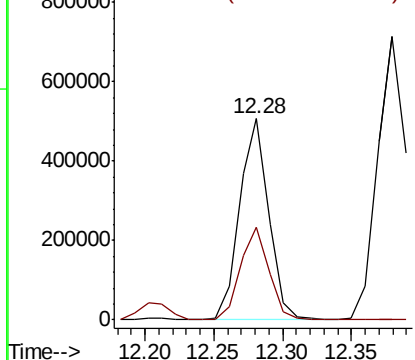


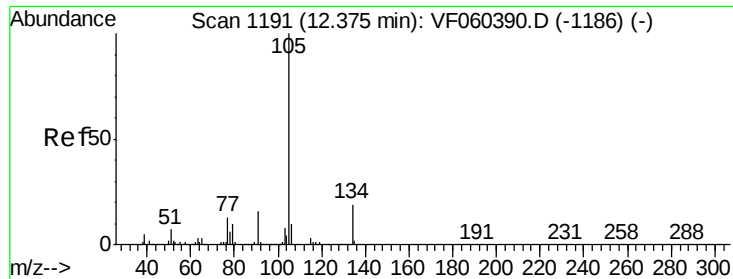
#84
1,2,4-Trimethylbenzene
Concen: 49.766 ug/l
RT: 12.28 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion:105 Resp: 745592
Ion Ratio Lower Upper
105 100
120 46.1 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

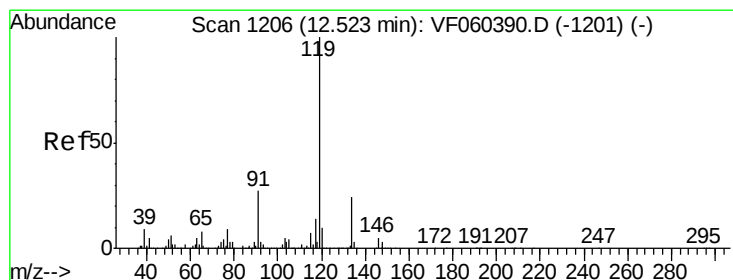
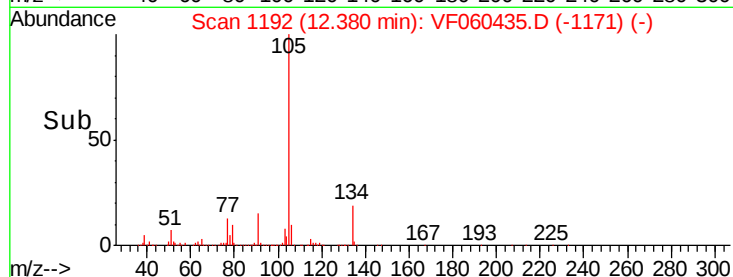
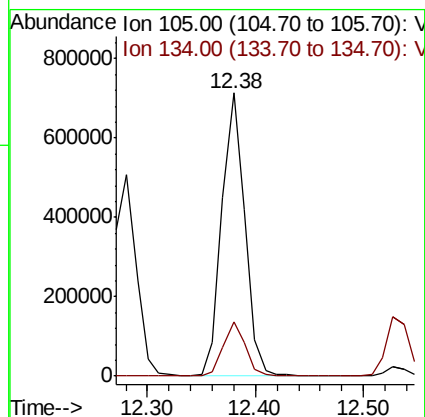
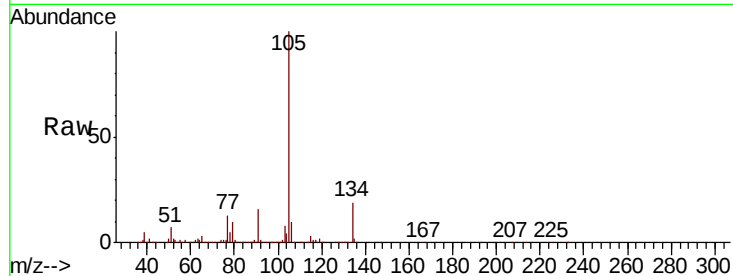




#85
 sec-Butylbenzene
 Concen: 51.315 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF060435.D
 Acq: 4 Oct 2018 1:10

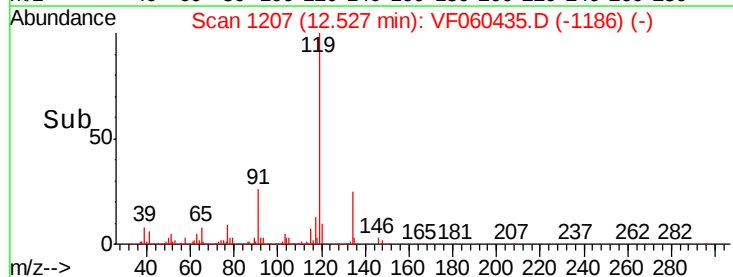
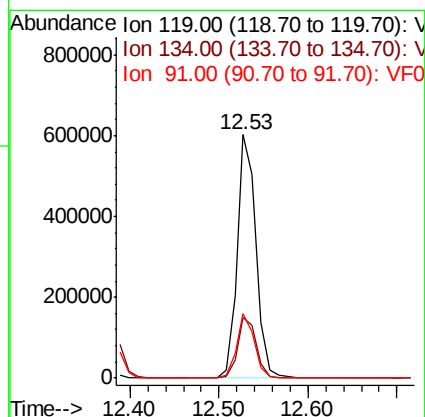
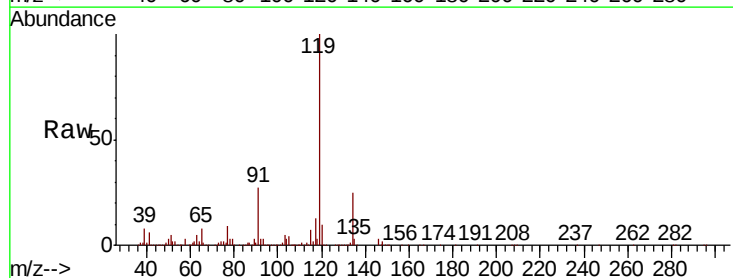
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

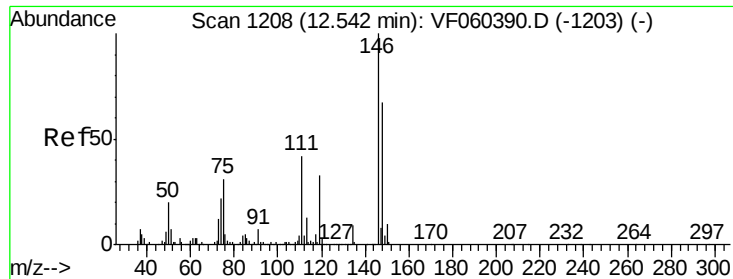
Tot Ion:105 Resp: 1055384
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.4 28.3



#86
 p-Isopropyltoluene
 Concen: 52.877 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: VF060435.D
 Acq: 4 Oct 2018 1:10

Tgt Ion:119 Resp: 888474
 Ion Ratio Lower Upper
 119 100
 134 24.9 12.3 36.8
 91 26.7 13.5 40.4





#87

1,3-Dichlorobenzene

Concen: 52.216 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

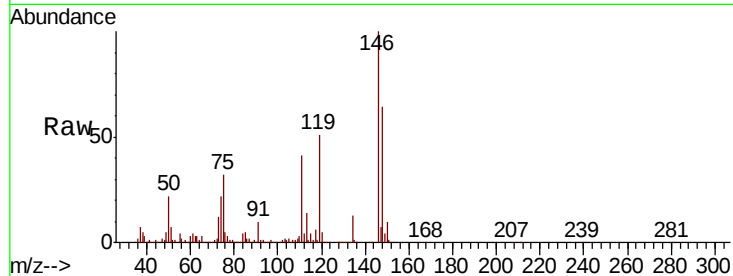
Tot Ion:146 Resp: 390544

Ion Ratio Lower Upper

146 100

111 41.0 20.9 62.7

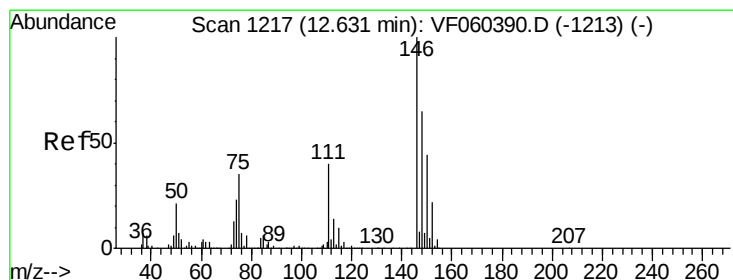
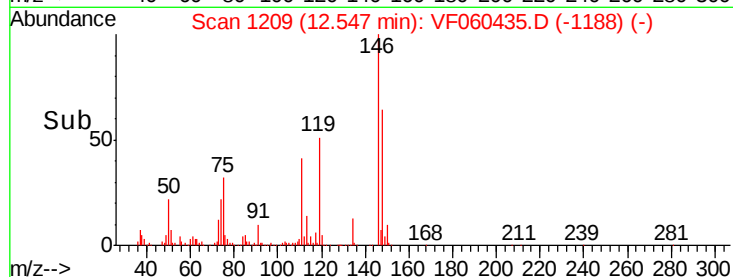
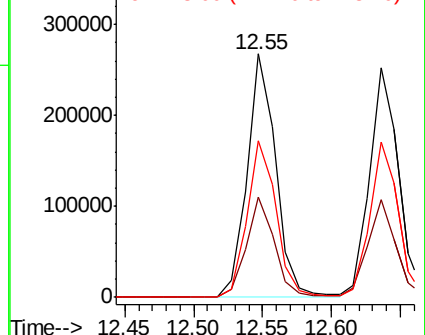
148 64.3 33.6 100.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 50.554 ug/l

RT: 12.64 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

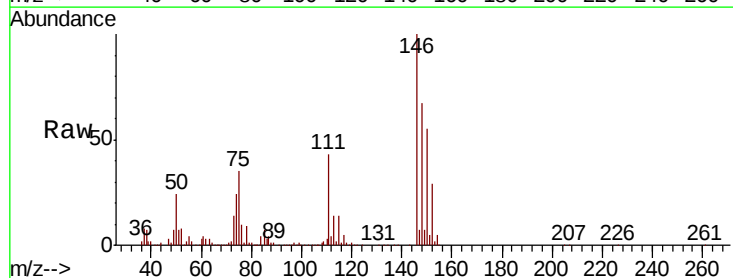
Tgt Ion:146 Resp: 372840

Ion Ratio Lower Upper

146 100

111 42.6 20.2 60.6

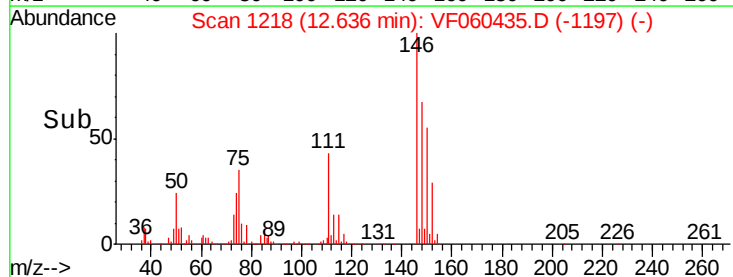
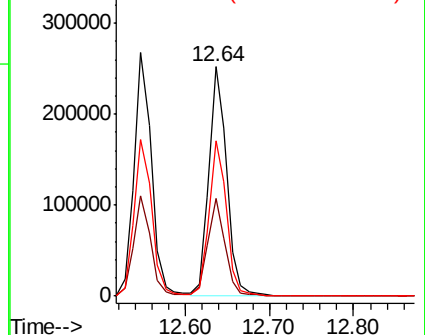
148 67.5 32.6 97.8

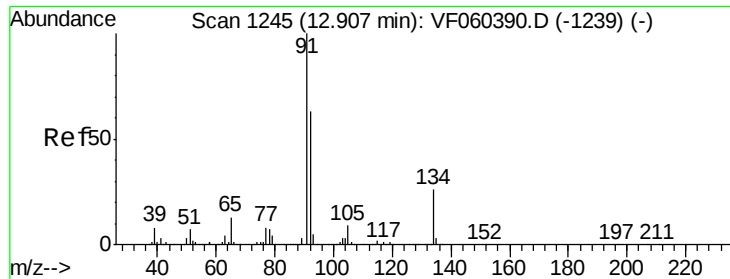


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

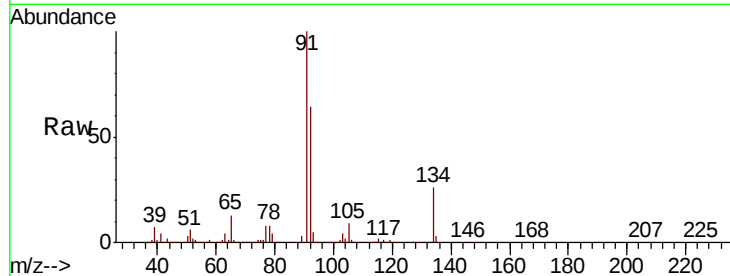




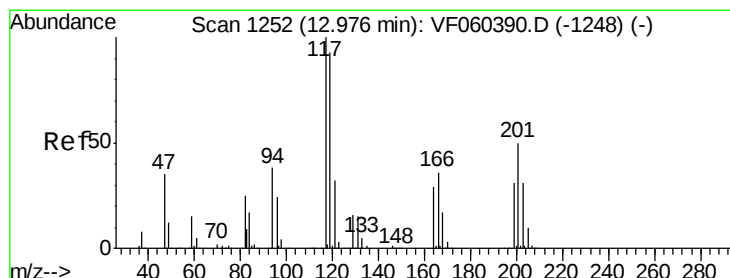
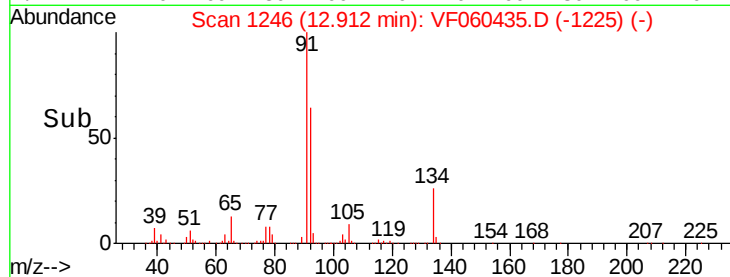
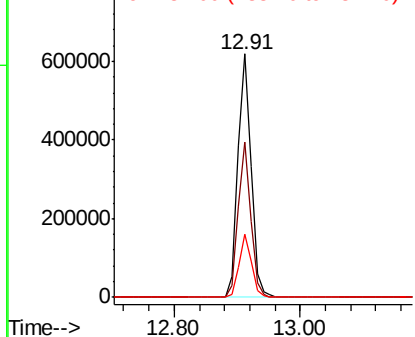
#89
n-Butylbenzene
Concen: 49.194 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 874673
Ion Ratio Lower Upper
91 100
92 64.0 31.3 93.9
134 26.1 13.0 38.9

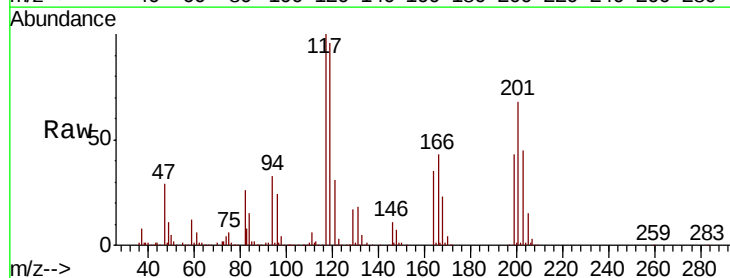


Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 92.00 (91.70 to 92.70): VF0
Ion 134.00 (133.70 to 134.70): V

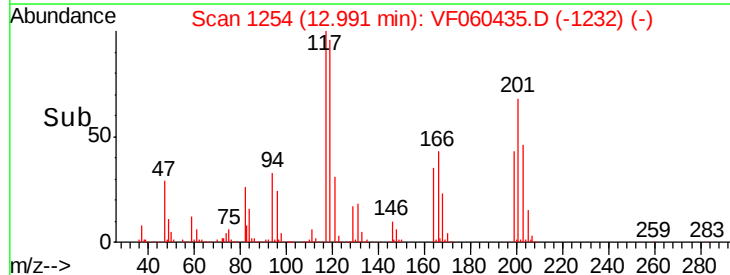
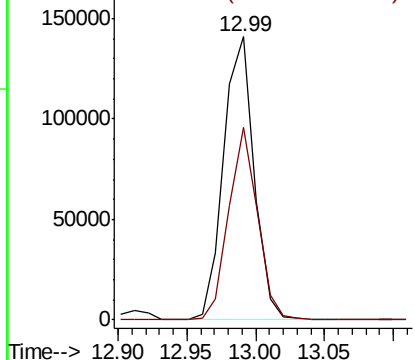


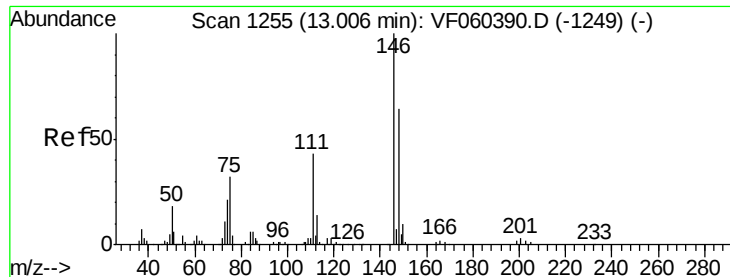
#90
Hexachloroethane
Concen: 49.874 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. 0.01 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion: 117 Resp: 216592
Ion Ratio Lower Upper
117 100
201 68.2 25.5 76.5



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 201.00 (200.70 to 201.70): V

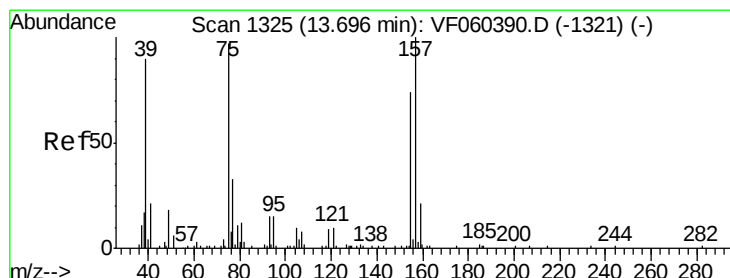
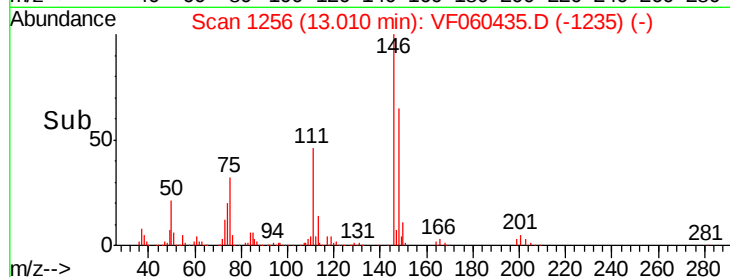
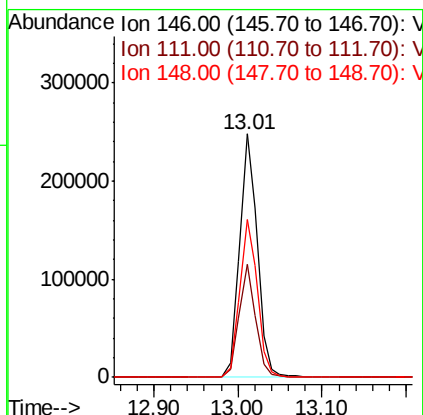
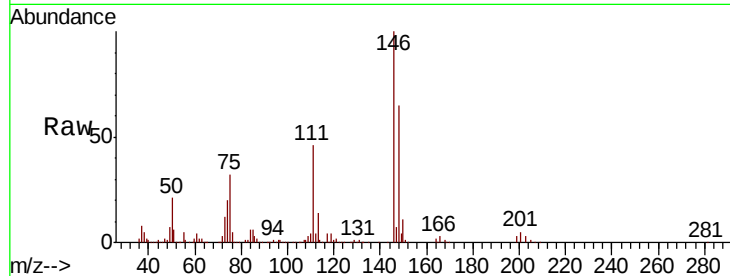




#91
 1,2-Dichlorobenzene
 Concen: 50.733 ug/l
 RT: 13.01 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VF060435.D
 Acq: 4 Oct 2018 1:10

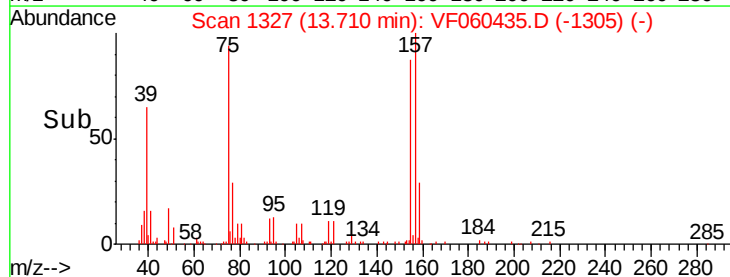
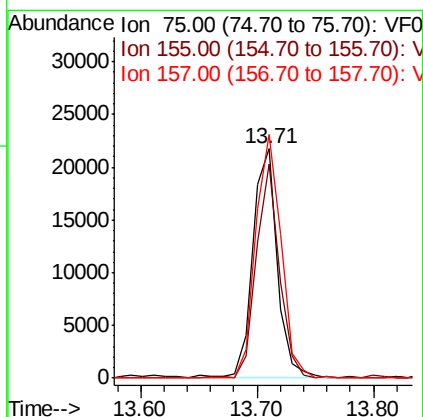
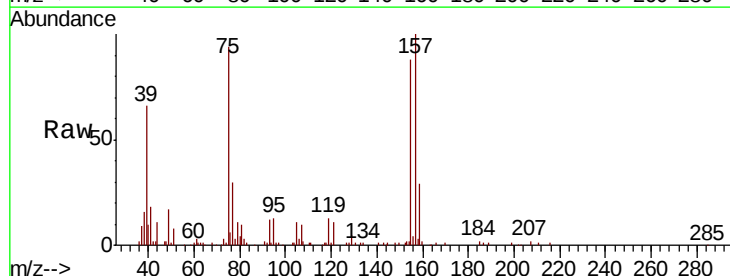
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

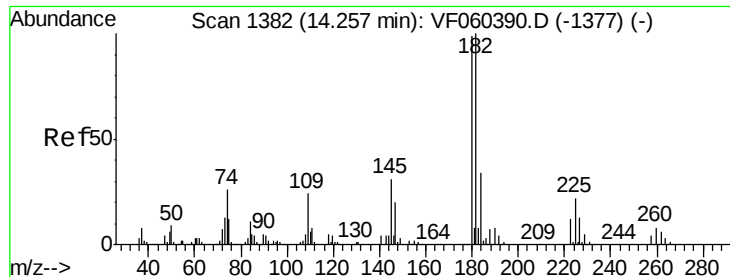
Tot Ion	Ratio	Lower	Upper
146	100		
111	46.2	21.3	64.0
148	64.8	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.738 ug/l
 RT: 13.71 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: VF060435.D
 Acq: 4 Oct 2018 1:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.1	37.9	113.6
157	106.1	51.3	154.0





#93

1,2,4-Trichlorobenzene

Concen: 51.031 ug/l

RT: 14.26 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

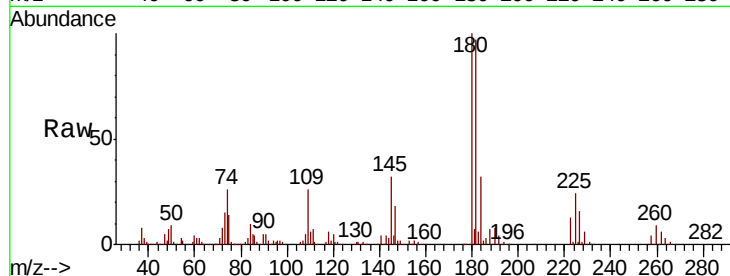
Tot Ion:180 Resp: 273342

Ion Ratio Lower Upper

180 100

182 97.2 50.3 150.9

145 32.1 15.5 46.5

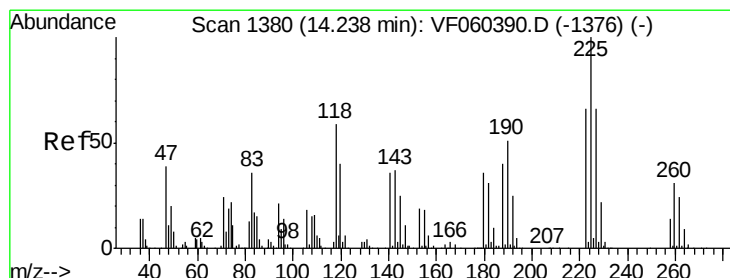
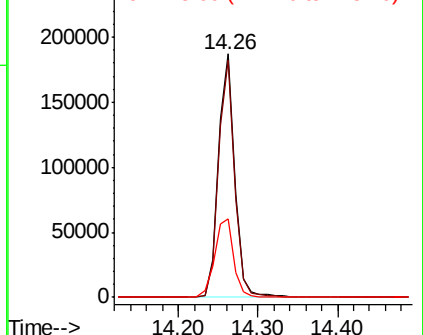
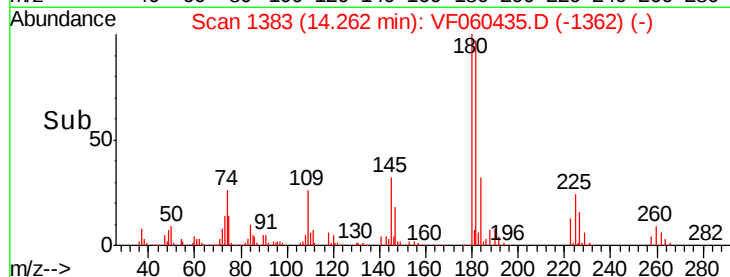


Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 49.082 ug/l

RT: 14.25 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

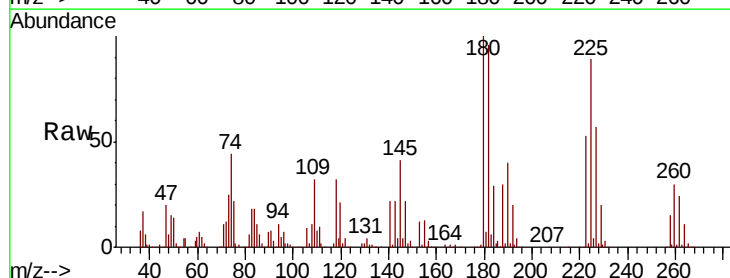
Tgt Ion:225 Resp: 183488

Ion Ratio Lower Upper

225 100

223 59.8 32.8 98.4

227 63.7 33.0 99.0

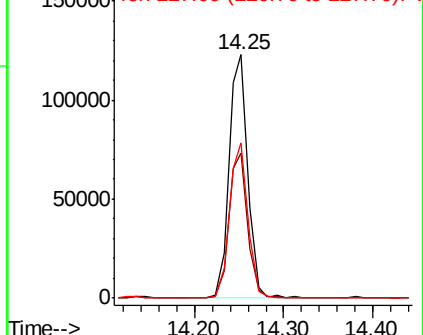
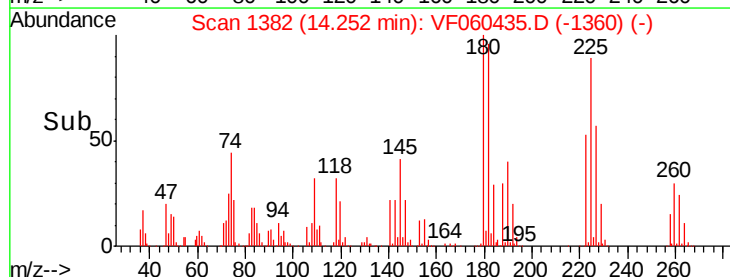


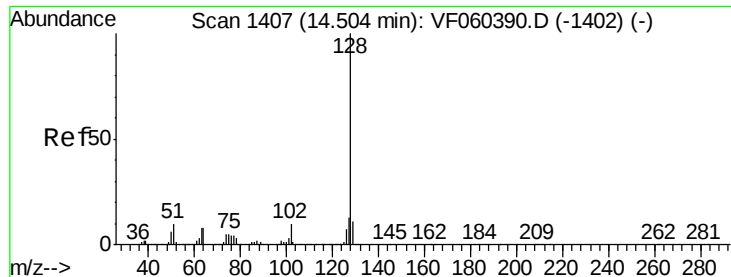
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

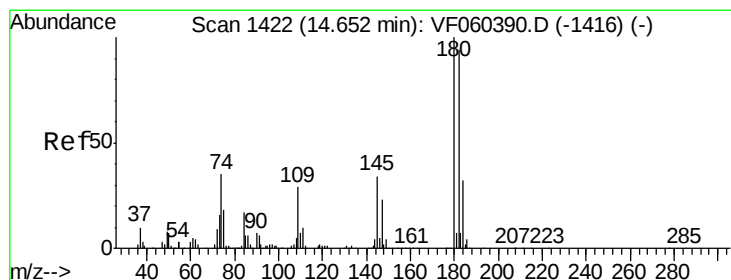
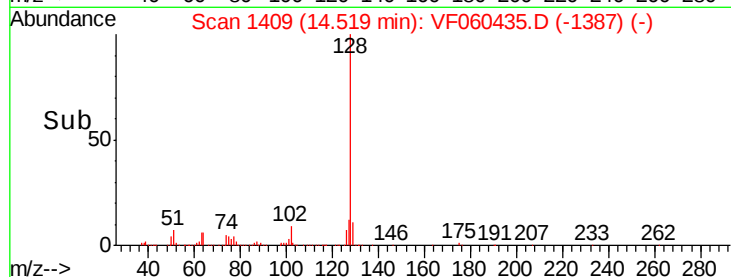
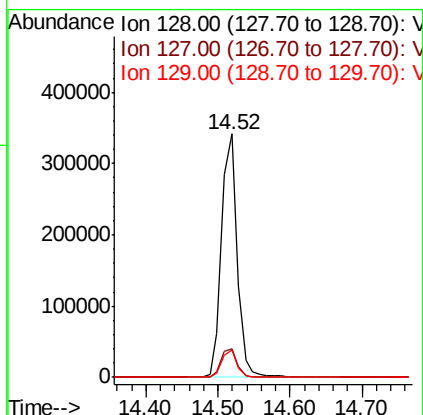
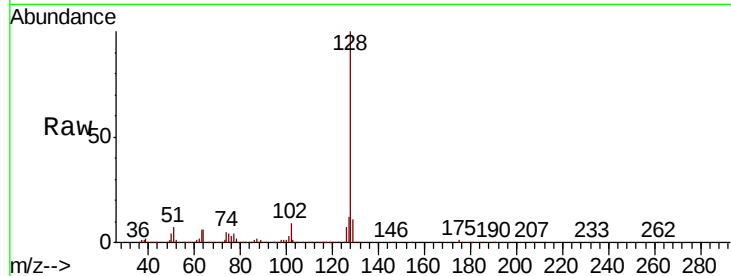




#95
Naphthalene
Concen: 53.762 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.01 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 514873
Ion Ratio Lower Upper
128 100
127 11.7 10.0 15.0
129 11.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 51.326 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion:180 Resp: 257708
Ion Ratio Lower Upper
180 100
182 94.2 46.8 140.3
145 34.2 16.9 50.6

