

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120318\
 Data File : VF060909.D
 Acq On : 4 Dec 2018 00:07
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 04 03:14:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	178638	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	286251	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.79	117	272936	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	135138	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.87	65	124312	59.07	ug/l	-0.01
Spiked Amount			Recovery	=	118.14%	
35) Dibromofluoromethane	4.14	113	123247	54.27	ug/l	-0.01
Spiked Amount			Recovery	=	108.54%	
50) Toluene-d8	7.57	98	363736	54.37	ug/l	-0.02
Spiked Amount			Recovery	=	108.74%	
62) 4-Bromofluorobenzene	11.43	95	160927	52.93	ug/l	-0.01
Spiked Amount			Recovery	=	105.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	123770	46.338	ug/l	100
3) Chloromethane	1.10	50	76447	43.984	ug/l	96
4) Vinyl Chloride	1.14	62	75709	46.698	ug/l	99
5) Bromomethane	1.33	94	56274	49.225	ug/l	97
6) Chloroethane	1.41	64	37361	53.311	ug/l	92
7) Trichlorofluoromethane	1.49	101	126228	36.288	ug/l	88
8) Diethyl Ether	1.64	74	24603	49.186	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.85	101	87561	49.792	ug/l	97
10) Methyl Iodide	1.93	142	105251	39.376	ug/l	99
11) Tert butyl alcohol	2.58	59	22493	260.743	ug/l	97
12) 1,1-Dichloroethene	1.81	96	68388	48.349	ug/l	92
13) Acrolein	2.01	56	13688	167.471	ug/l	99
14) Allyl chloride	2.11	41	76712	43.512	ug/l	99
15) Acrylonitrile	2.96	53	50817	262.757	ug/l	96
16) Acetone	2.24	43	86411	222.671	ug/l	95
17) Carbon Disulfide	1.84	76	139422	36.762	ug/l	99
18) Methyl Acetate	2.35	43	35361	54.461	ug/l	99
19) Methyl tert-butyl Ether	2.44	73	162288	50.941	ug/l	99
20) Methylene Chloride	2.27	84	41319	29.023	ug/l	90
21) trans-1,2-Dichloroethene	2.32	96	48810	35.793	ug/l	91
22) Diisopropyl ether	2.82	45	233039	48.561	ug/l	98
23) Vinyl Acetate	3.20	43	568321	259.079	ug/l	98
24) 1,1-Dichloroethane	2.89	63	141550	49.577	ug/l	99
25) 2-Butanone	4.36	43	163500	243.587	ug/l	100
26) 2,2-Dichloropropane	3.62	77	80988	43.753	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	103191	46.481	ug/l	98
28) Bromochloromethane	3.73	49	68998	50.354	ug/l	93
29) Tetrahydrofuran	4.09	42	73022	256.650	ug/l	97
30) Chloroform	3.88	83	214332	48.776	ug/l	100
31) Cyclohexane	3.70	56	82020	27.680	ug/l	96
32) 1,1,1-Trichloroethane	4.11	97	128955	42.315	ug/l	99
36) 1,1-Dichloropropene	4.31	75	163371	51.455	ug/l	97
37) Ethyl Acetate	4.13	43	66773	51.752	ug/l #	91
38) Carbon Tetrachloride	4.01	117	127860	45.594	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	144224	43.345	ug/l	95
40) Benzene	4.65	78	332161	47.355	ug/l	99
41) Methacrylonitrile	4.77	41	38668	58.548	ug/l	89
42) 1,2-Dichloroethane	4.96	62	135013	52.724	ug/l	96
43) Isopropyl Acetate	6.98	43	80189	50.394	ug/l #	95
44) Trichloroethene	5.53	130	107205	46.745	ug/l	94
45) 1,2-Dichloropropane	6.26	63	93368	51.253	ug/l	99
46) Dibromomethane	6.10	93	65831	53.271	ug/l	96
47) Bromodichloromethane	6.41	83	164258	50.045	ug/l	97
48) Methyl methacrylate	6.73	41	60937	52.177	ug/l	93
49) 1,4-Dioxane	6.72	88	9434	1103.725	ug/l #	79
51) 4-Methyl-2-Pentanone	8.28	43	306076	257.249	ug/l	98
52) Toluene	7.64	92	223707	45.405	ug/l	98
53) t-1,3-Dichloropropene	8.30	75	132904	49.781	ug/l	96
54) cis-1,3-Dichloropropene	7.32	75	159280	48.192	ug/l	97
55) 1,1,2-Trichloroethane	8.51	97	71016	49.467	ug/l	97
56) Ethyl methacrylate	8.64	69	76478	47.954	ug/l	98
57) 1,3-Dichloropropane	8.87	76	132384	52.707	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.32	63	44824	274.782	ug/l	98
59) 2-Hexanone	9.51	43	214534	257.013	ug/l	98
60) Dibromochloromethane	8.74	129	105290	49.223	ug/l	100
61) 1,2-Dibromoethane	9.00	107	76647	49.421	ug/l	99
64) Tetrachloroethene	8.17	164	103188	49.498	ug/l	97
65) Chlorobenzene	9.82	112	258327	48.652	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.95	131	105174	46.076	ug/l	93
67) Ethyl Benzene	9.92	91	455566	46.087	ug/l	100
68) m/p-Xylenes	10.16	106	331739	93.310	ug/l	98
69) o-Xylene	10.73	106	194199	49.536	ug/l	88
70) Styrene	10.81	104	250215	46.042	ug/l	99
71) Bromoform	10.79	173	55782	50.593	ug/l #	91
73) Isopropylbenzene	11.14	105	565991	52.999	ug/l	98
74) N-amyl acetate	11.39	43	131209	53.207	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.71	83	98583	56.090	ug/l	99
76) 1,2,3-Trichloropropane	11.81	75	70711	55.350	ug/l	97
77) Bromobenzene	11.51	156	115328	49.258	ug/l	80
78) n-propylbenzene	11.61	91	615499	49.215	ug/l	100
79) 2-Chlorotoluene	11.73	91	374059	52.163	ug/l	100
80) 1,3,5-Trimethylbenzene	11.84	105	441459	50.920	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.88	75	40524	64.741	ug/l	94
82) 4-Chlorotoluene	11.91	91	365435	48.424	ug/l	100
83) tert-Butylbenzene	12.15	119	454018	51.411	ug/l	97
84) 1,2,4-Trimethylbenzene	12.22	105	431728	49.896	ug/l	99
85) sec-Butylbenzene	12.32	105	608446	50.329	ug/l	99
86) p-Isopropyltoluene	12.47	119	517379	51.046	ug/l	99
87) 1,3-Dichlorobenzene	12.49	146	216478	48.608	ug/l	97
88) 1,4-Dichlorobenzene	12.58	146	215258	49.597	ug/l	98
89) n-Butylbenzene	12.86	91	513184	50.073	ug/l	99
90) Hexachloroethane	12.93	117	127844	52.380	ug/l	95
91) 1,2-Dichlorobenzene	12.96	146	213425	50.605	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.66	75	19602	57.685	ug/l	95

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QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration

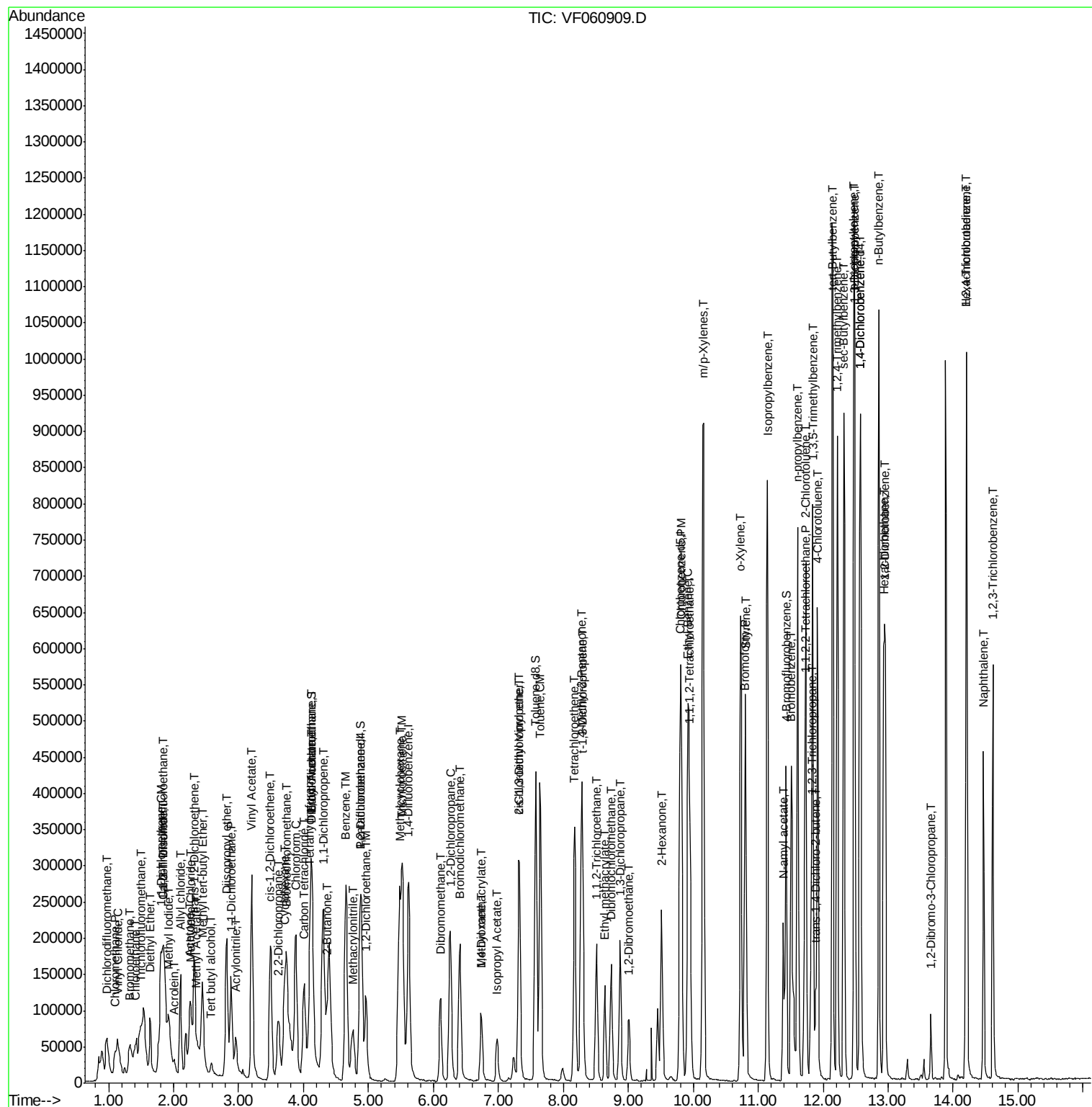
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	157184	53.340	ug/l	99
94) Hexachlorobutadiene	14.20	225	99145	50.470	ug/l	97
95) Naphthalene	14.47	128	305237	53.620	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	149502	54.639	ug/l	99

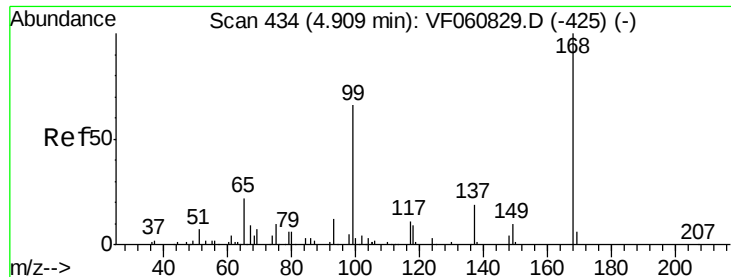
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.02 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

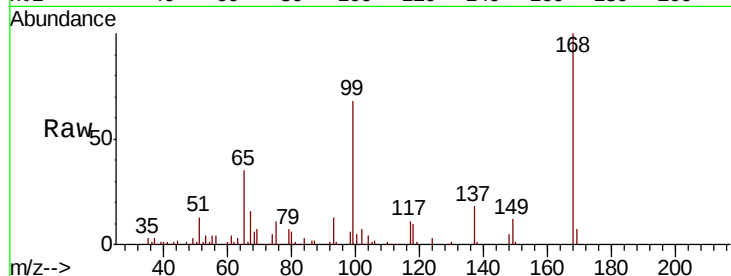
VSTDCCC050EC

Tot Ion:168 Resp: 178638

Ion Ratio Lower Upper

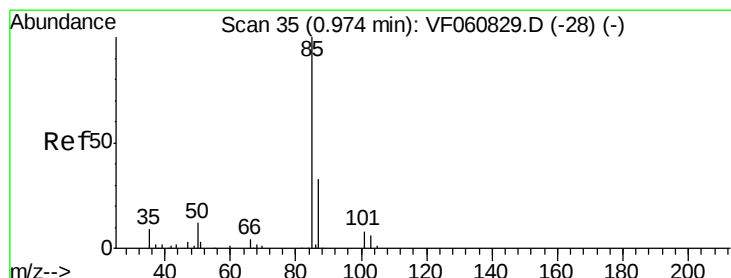
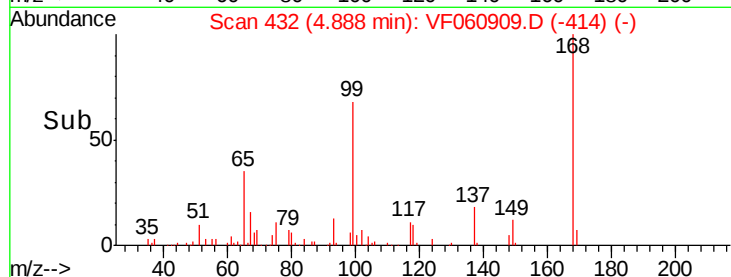
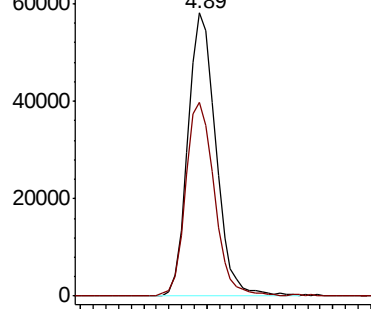
168 100

99 68.5 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 46.338 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060909.D

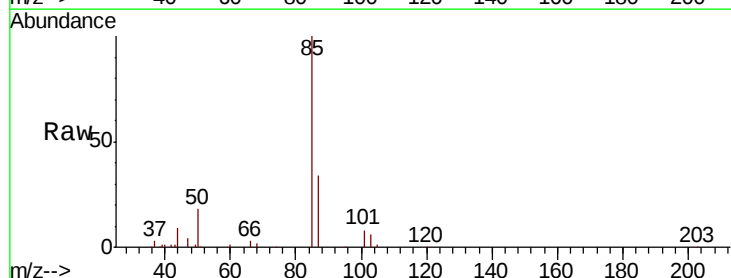
Acq: 4 Dec 2018 00:07

Tgt Ion: 85 Resp: 123770

Ion Ratio Lower Upper

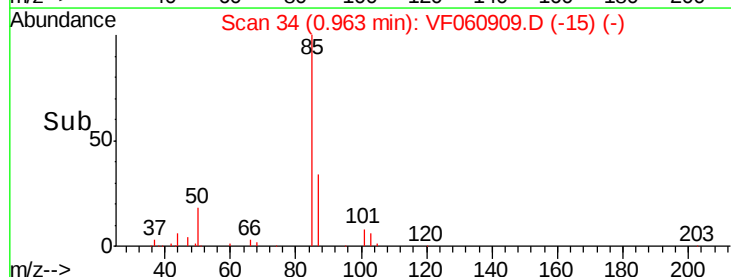
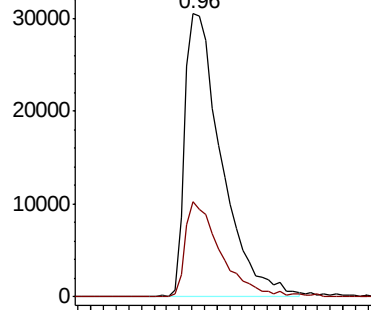
85 100

87 33.5 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 43.984 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

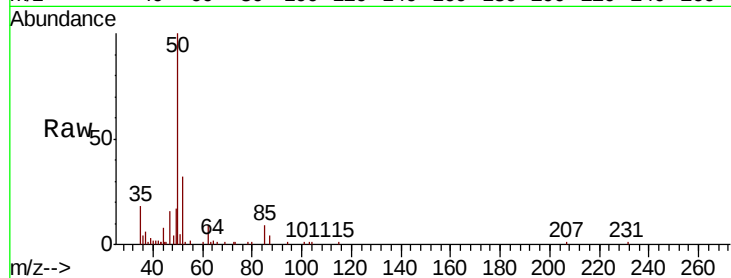
VSTDCCC050EC

Tot Ion: 50 Resp: 76447

Ion Ratio Lower Upper

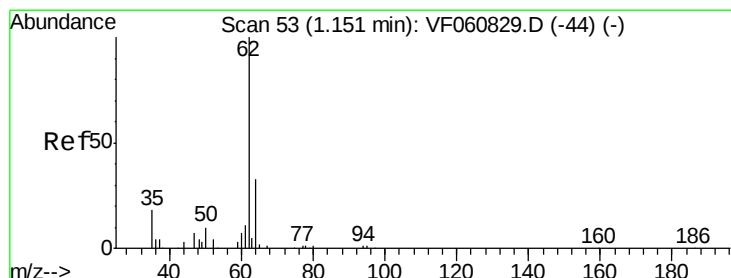
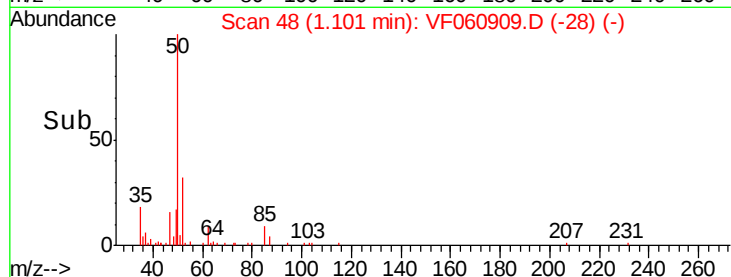
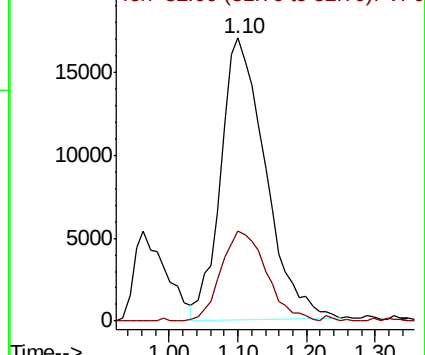
50 100

52 31.6 27.0 40.4



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 46.698 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060909.D

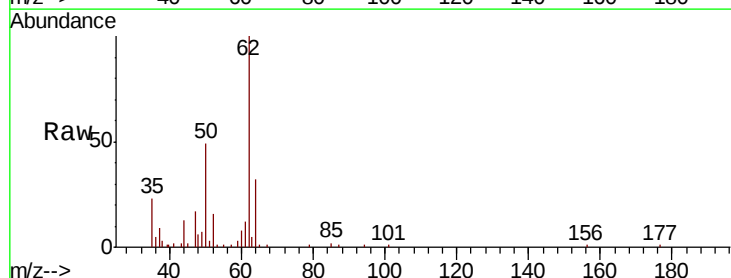
Acq: 4 Dec 2018 00:07

Tgt Ion: 62 Resp: 75709

Ion Ratio Lower Upper

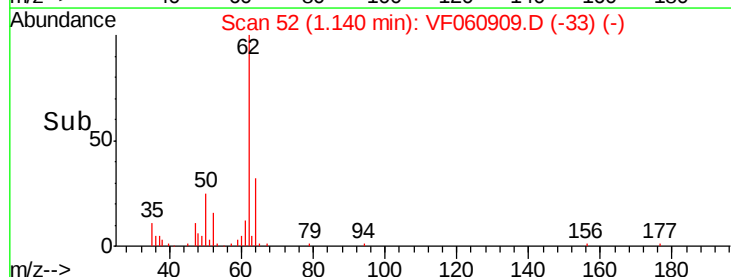
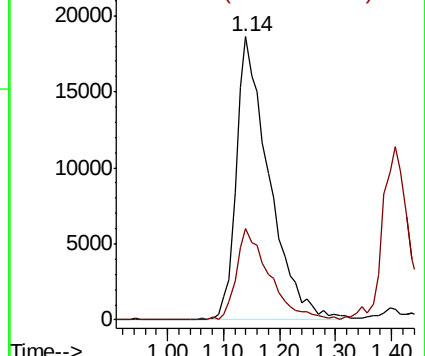
62 100

64 32.3 26.4 39.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 49.225 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

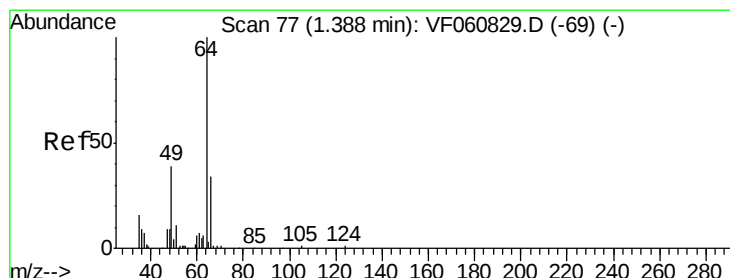
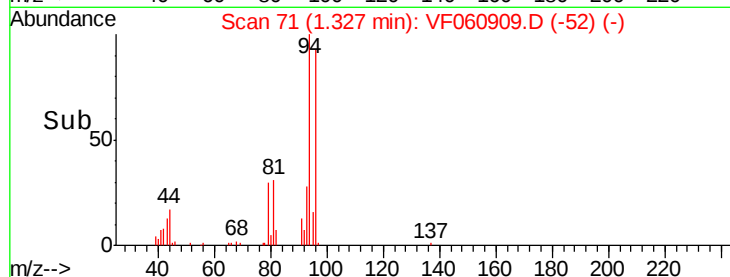
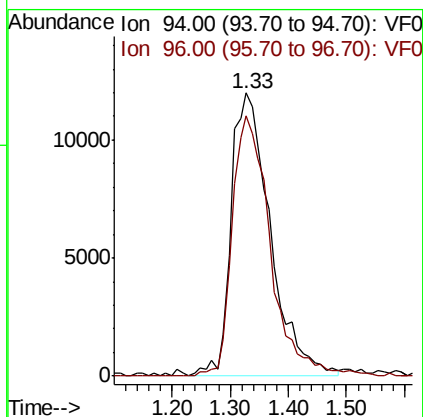
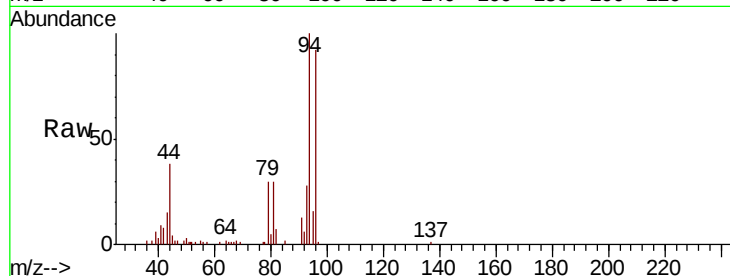
VSTDCCC050EC

Tot Ion: 94 Resp: 56274

Ion Ratio Lower Upper

94 100

96 92.1 75.9 113.9



#6

Chloroethane

Concen: 53.311 ug/l

RT: 1.41 min Scan# 79

Delta R.T. 0.02 min

Lab File: VF060909.D

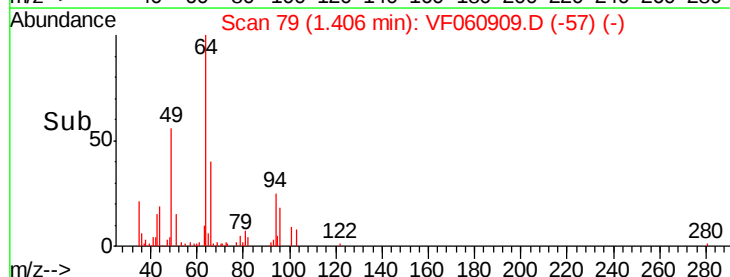
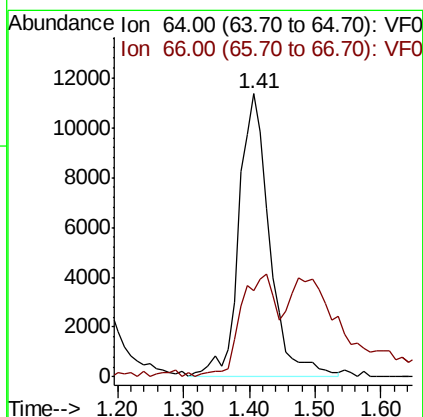
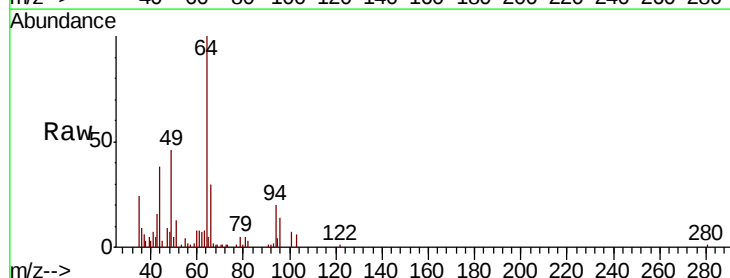
Acq: 4 Dec 2018 00:07

Tgt Ion: 64 Resp: 37361

Ion Ratio Lower Upper

64 100

66 30.4 28.1 42.1





#7

Trichlorofluoromethane

Concen: 36.288 ug/l

RT: 1.49 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

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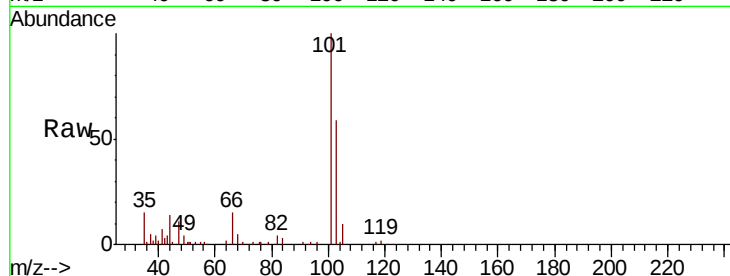
VSTDCCC050EC

Tot Ion:101 Resp: 126228

Ion Ratio Lower Upper

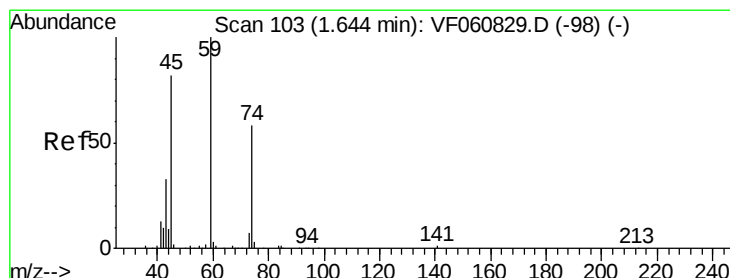
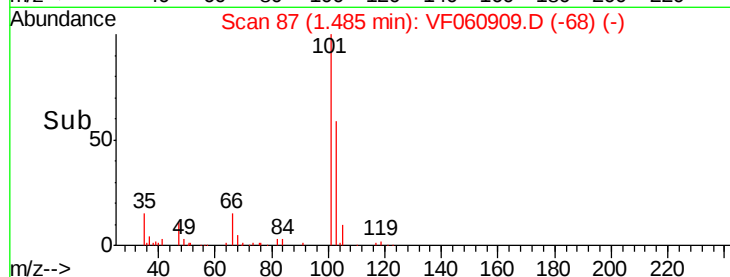
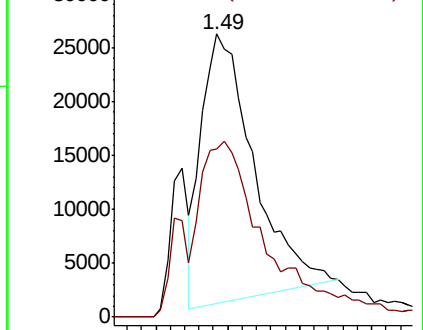
101 100

103 59.4 55.4 83.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 49.186 ug/l

RT: 1.64 min Scan# 103

Delta R.T. -0.00 min

Lab File: VF060909.D

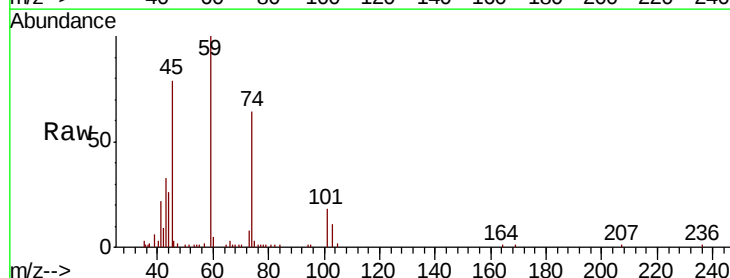
Acq: 4 Dec 2018 00:07

Tgt Ion: 74 Resp: 24603

Ion Ratio Lower Upper

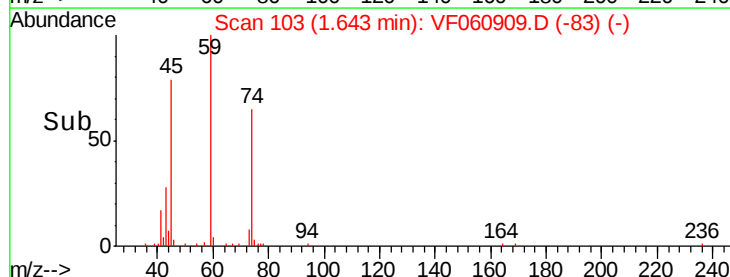
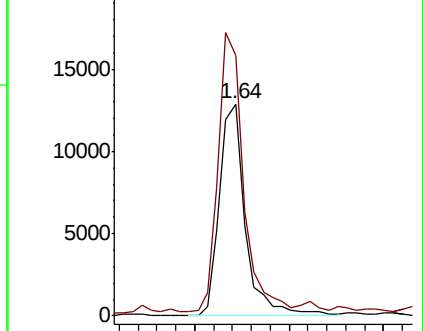
74 100

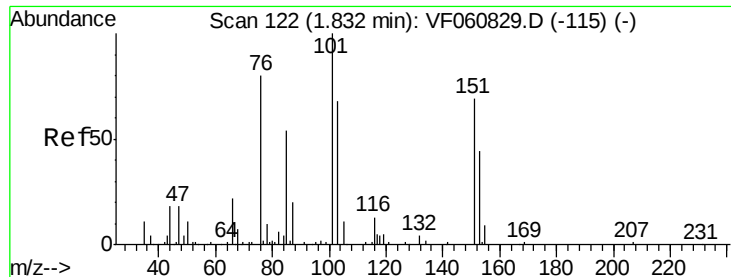
45 123.1 71.0 212.8



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: 49.792 ug/l

RT: 1.85 min Scan# 124

Delta R.T. 0.02 min

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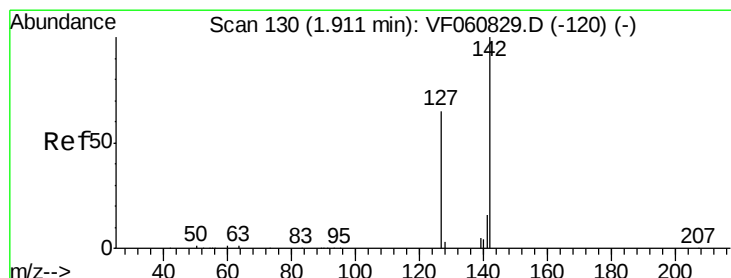
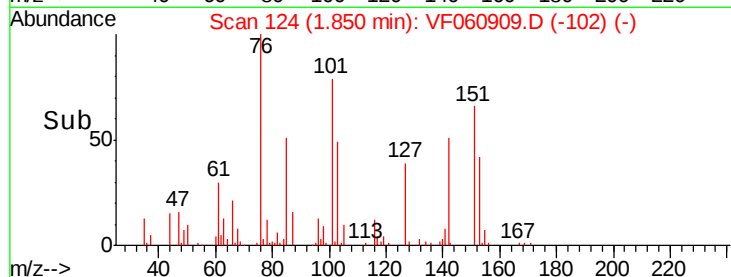
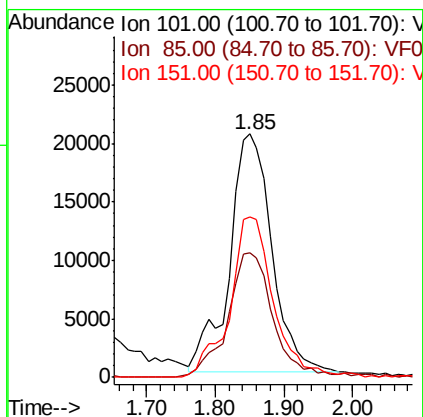
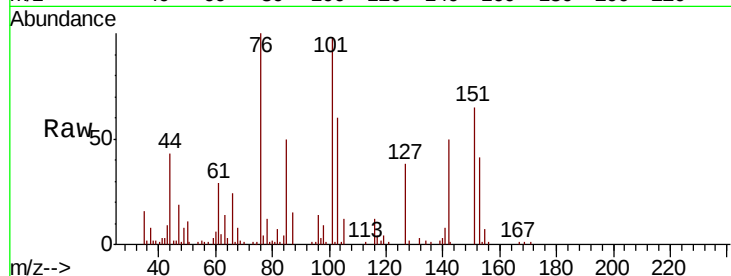
Tot Ion:101 Resp: 87561

Ion Ratio Lower Upper

101 100

85 51.3 42.8 64.2

151 66.1 54.4 81.6



#10

Methyl Iodide

Concen: 39.376 ug/l

RT: 1.93 min Scan# 132

Delta R.T. 0.02 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

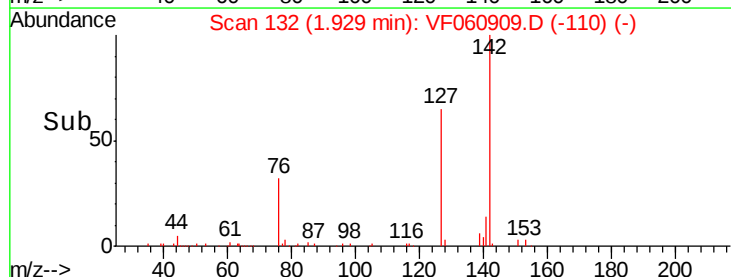
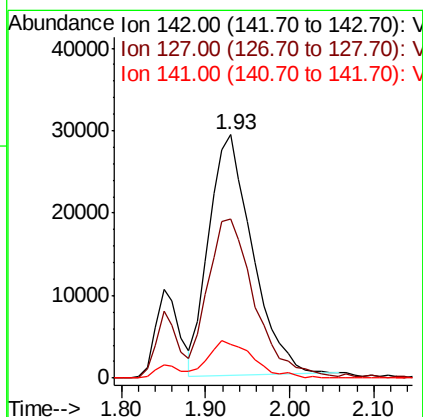
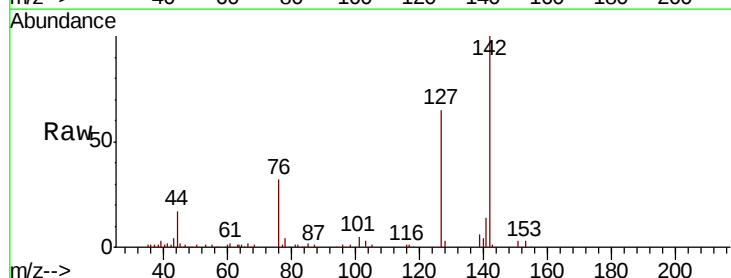
Tgt Ion:142 Resp: 105251

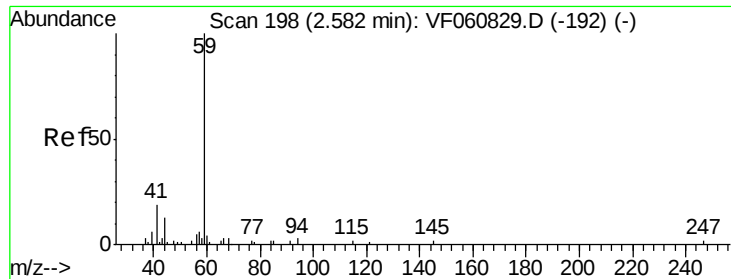
Ion Ratio Lower Upper

142 100

127 65.4 51.9 77.9

141 13.9 12.7 19.1

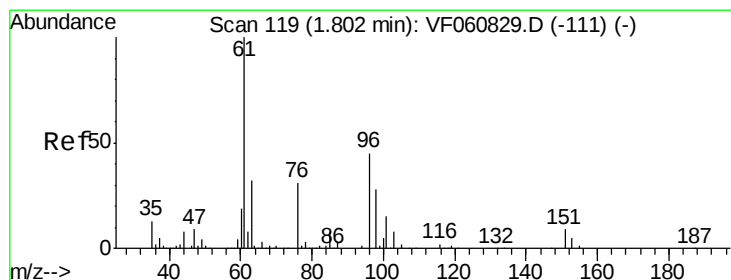
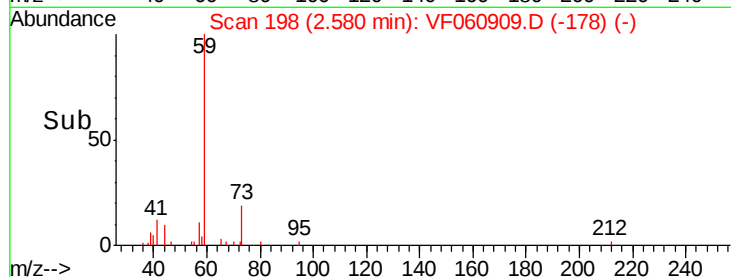
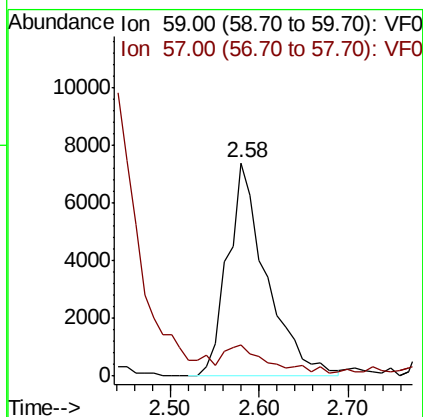
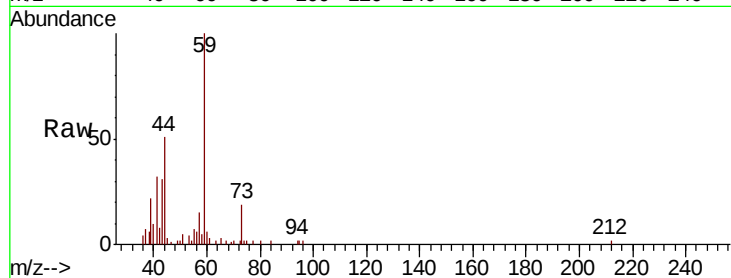




#11
Tert butyl alcohol
Concen: 260.743 ug/l
RT: 2.58 min Scan# 198
Delta R.T. -0.00 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

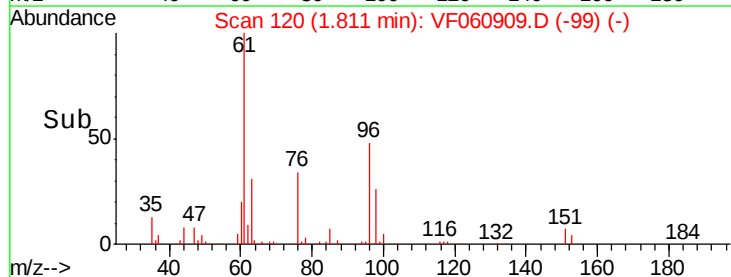
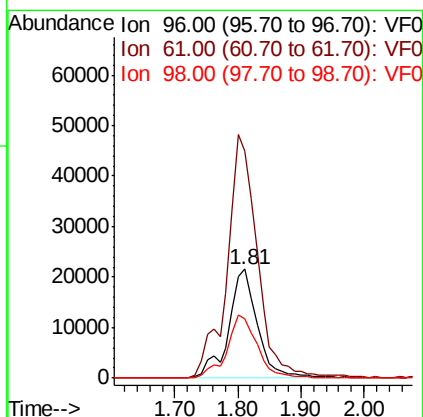
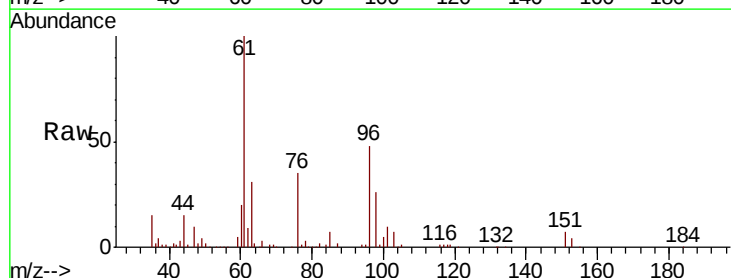
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

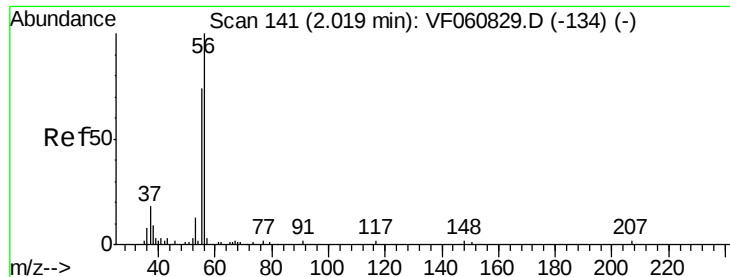
Tot Ion: 59 Resp: 22493
Ion Ratio Lower Upper
59 100
57 14.5 12.7 19.1



#12
1,1-Dichloroethene
Concen: 48.349 ug/l
RT: 1.81 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion: 96 Resp: 68388
Ion Ratio Lower Upper
96 100
61 208.6 177.3 265.9
98 54.7 49.6 74.4





#13

Acrolein

Concen: 167.471 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

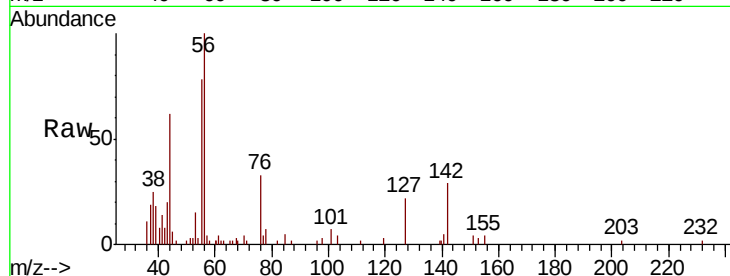
VSTDCCC050EC

Tot Ion: 56 Resp: 13688

Ion Ratio Lower Upper

56 100

55 77.8 61.2 91.8



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.01

6000

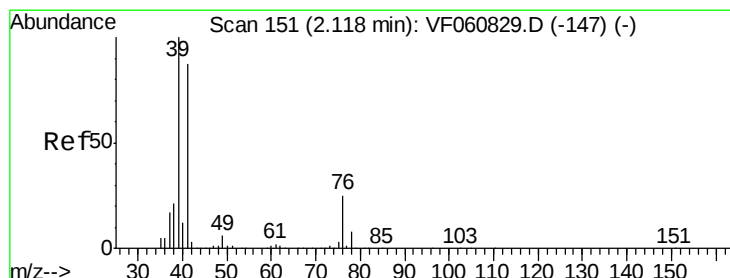
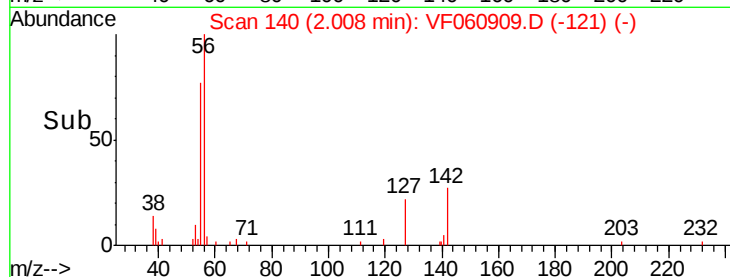
4000

2000

0

1.90 2.00 2.10

Time-->



#14

Allyl chloride

Concen: 43.512 ug/l

RT: 2.11 min Scan# 150

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

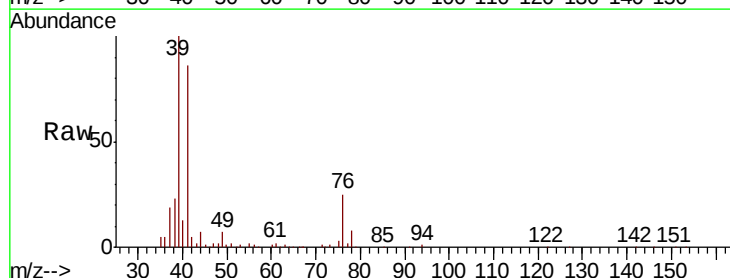
Tgt Ion: 41 Resp: 76712

Ion Ratio Lower Upper

41 100

39 115.8 91.7 137.5

76 29.1 23.5 35.3



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

60000

50000

40000

30000

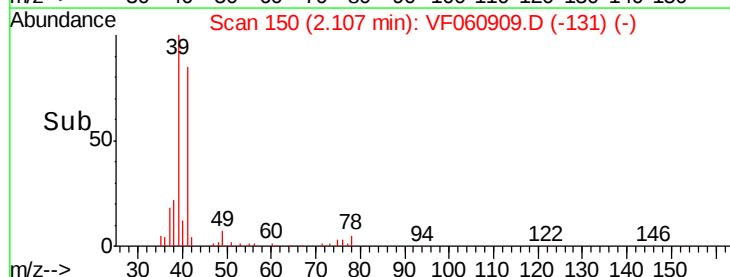
20000

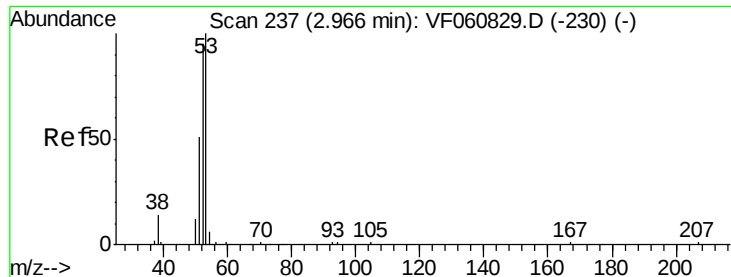
10000

0

2.00 2.05 2.10 2.15 2.20

Time-->





#15

Acrylonitrile

Concen: 262.757 ug/l

RT: 2.96 min Scan# 236

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

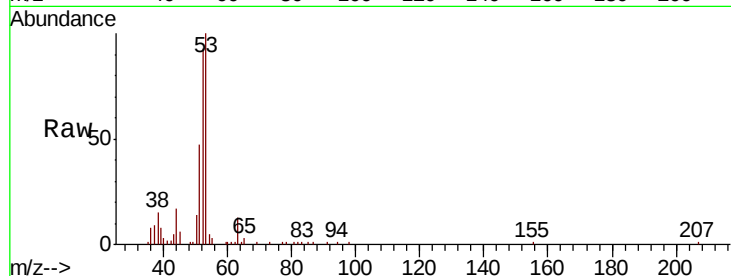
Tot Ion: 53 Resp: 50817

Ion Ratio Lower Upper

53 100

52 93.3 76.5 114.7

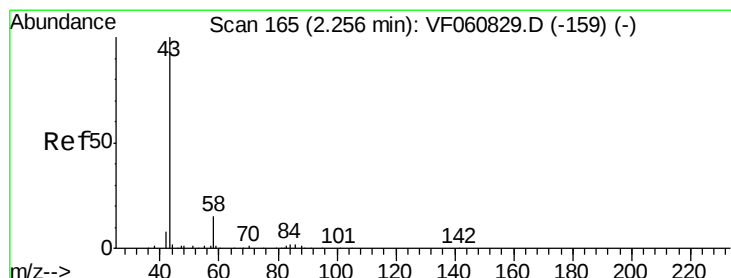
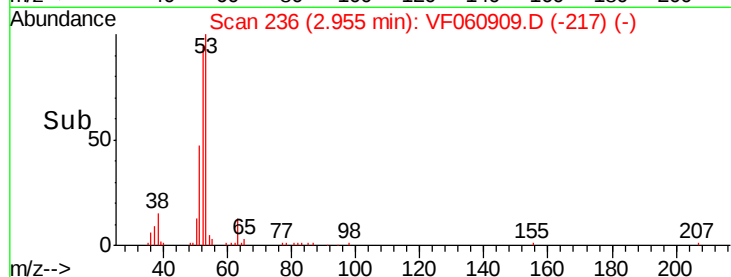
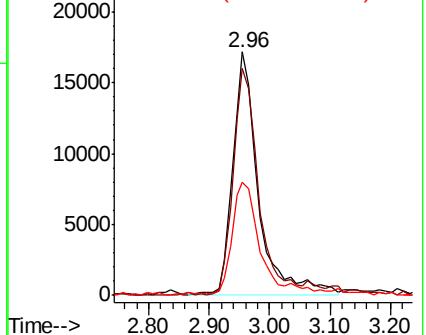
51 46.5 40.7 61.1



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 222.671 ug/l

RT: 2.24 min Scan# 164

Delta R.T. -0.01 min

Lab File: VF060909.D

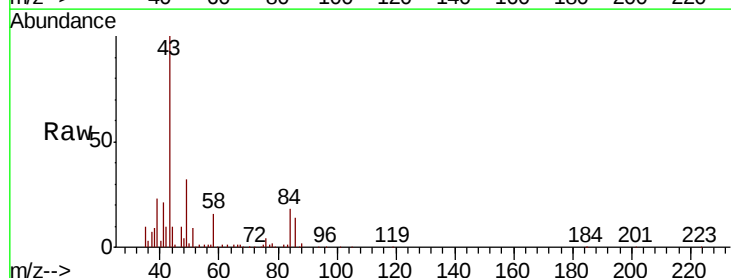
Acq: 4 Dec 2018 00:07

Tgt Ion: 43 Resp: 86411

Ion Ratio Lower Upper

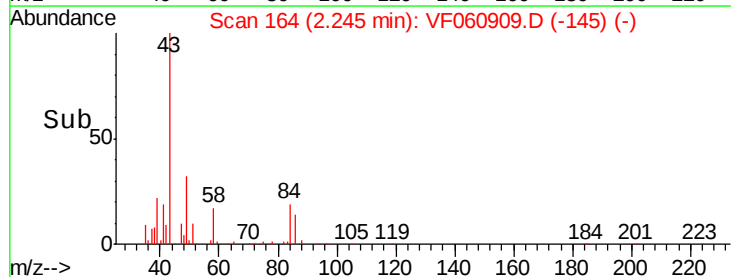
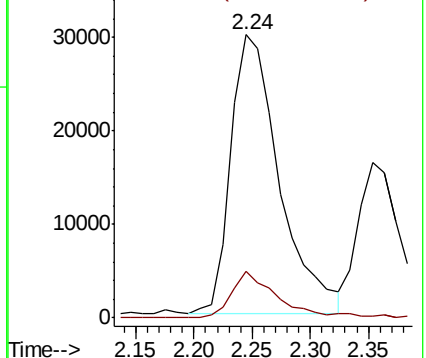
43 100

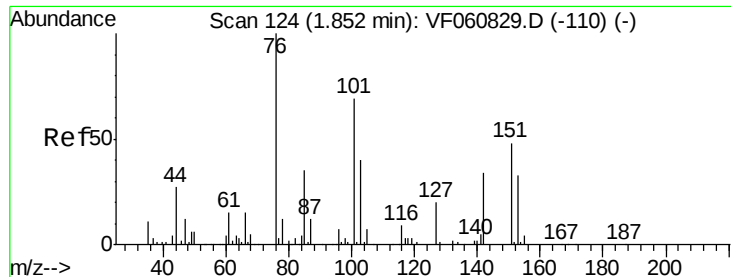
58 16.5 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

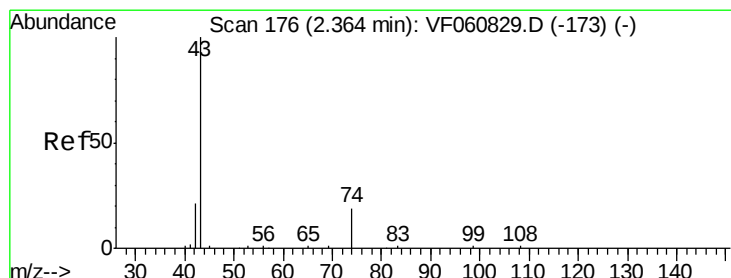
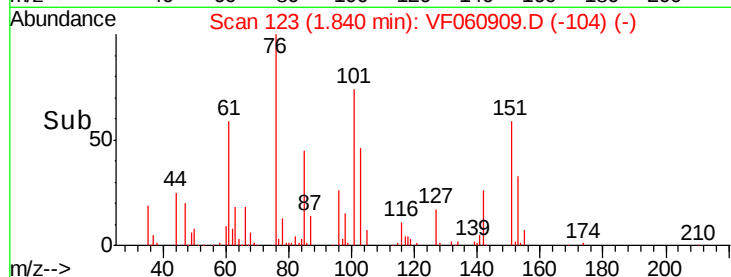
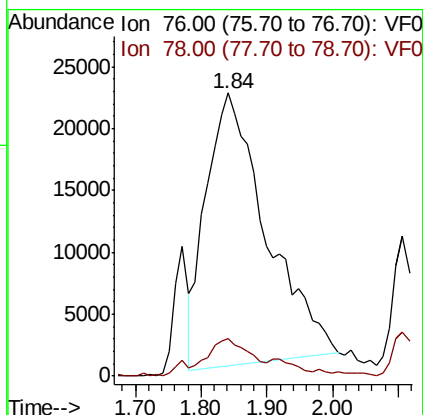
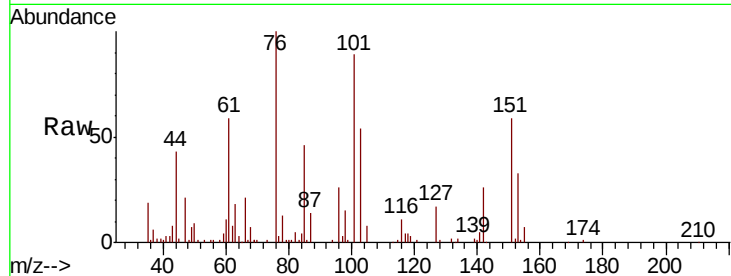




#17
Carbon Disulfide
Concen: 36.762 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

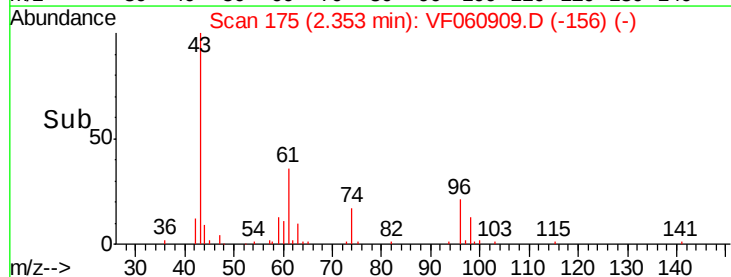
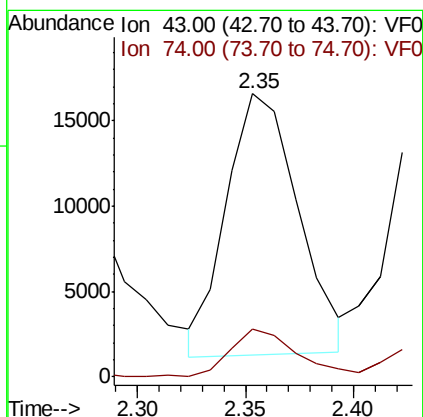
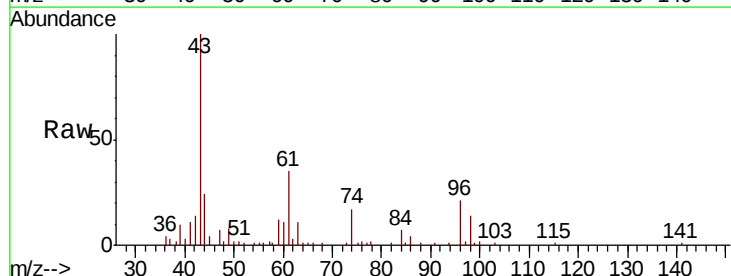
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

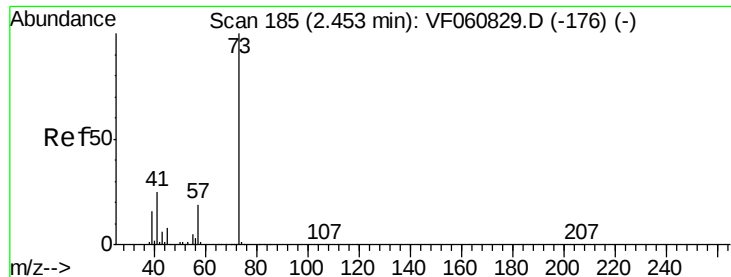
Tot Ion: 76 Resp: 139422
Ion Ratio Lower Upper
76 100
78 13.2 10.2 15.2



#18
Methyl Acetate
Concen: 54.461 ug/l
RT: 2.35 min Scan# 175
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion: 43 Resp: 35361
Ion Ratio Lower Upper
43 100
74 16.9 13.3 19.9

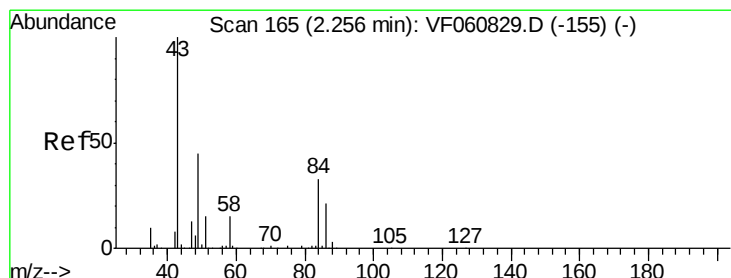
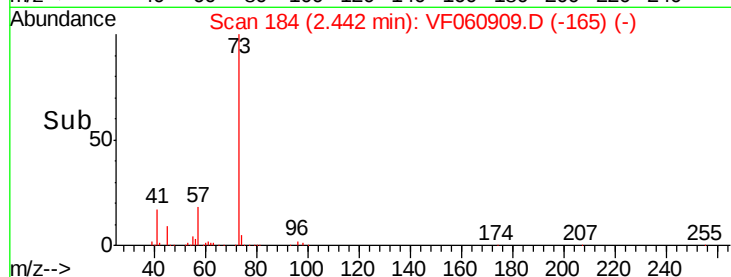
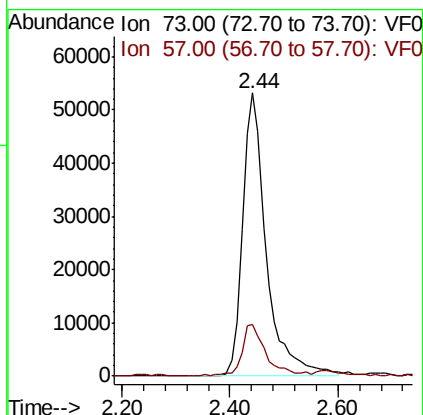
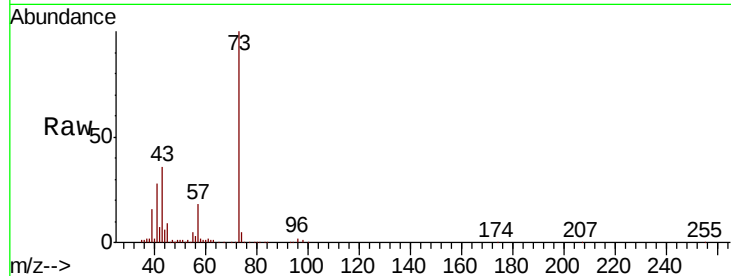




#19
Methyl tert-butyl Ether
Concen: 50.941 ug/l
RT: 2.44 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

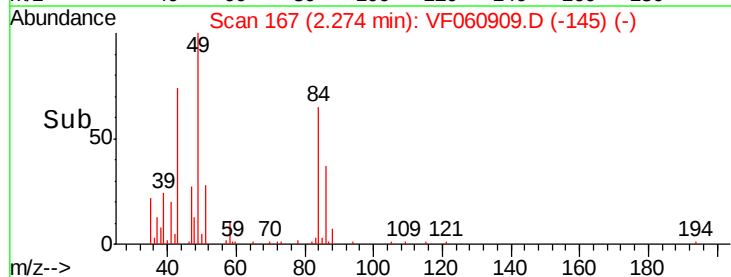
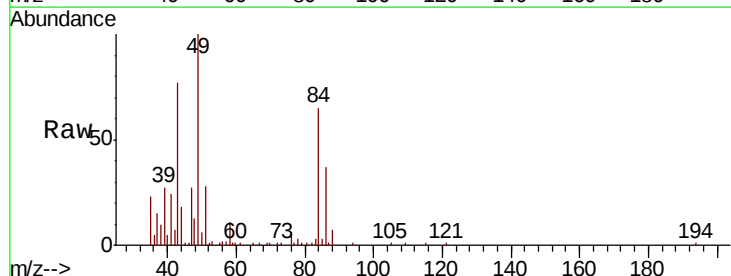
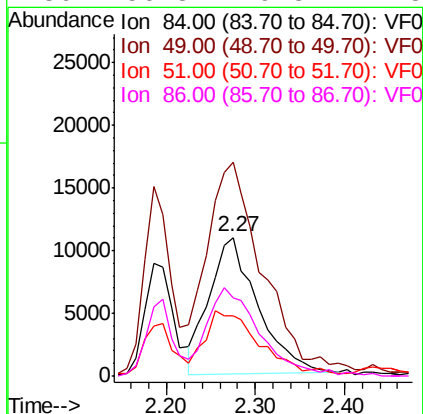
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

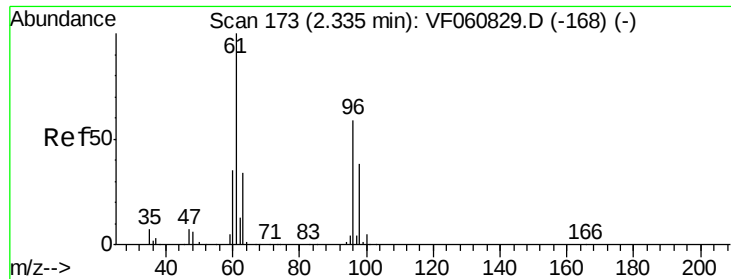
Tot Ion: 73 Resp: 162288
Ion Ratio Lower Upper
73 100
57 18.5 15.3 22.9



#20
Methylene Chloride
Concen: 29.023 ug/l
RT: 2.27 min Scan# 167
Delta R.T. 0.02 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion: 84 Resp: 41319
Ion Ratio Lower Upper
84 100
49 154.4 111.3 166.9
51 43.4 38.0 57.0
86 56.8 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 35.793 ug/l

RT: 2.32 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

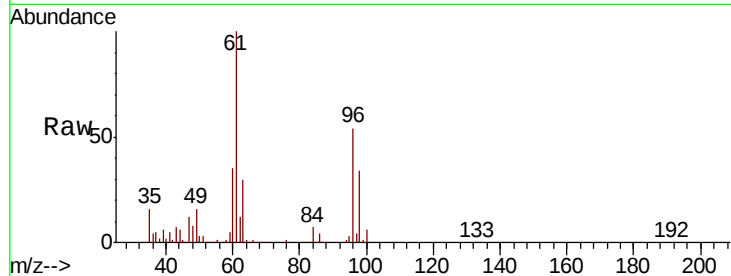
Tot Ion: 96 Resp: 48810

Ion Ratio Lower Upper

96 100

61 184.1 134.5 201.7

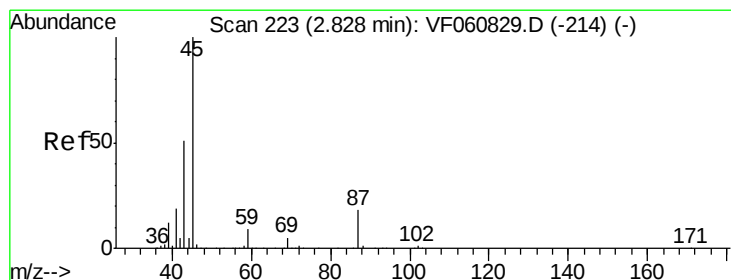
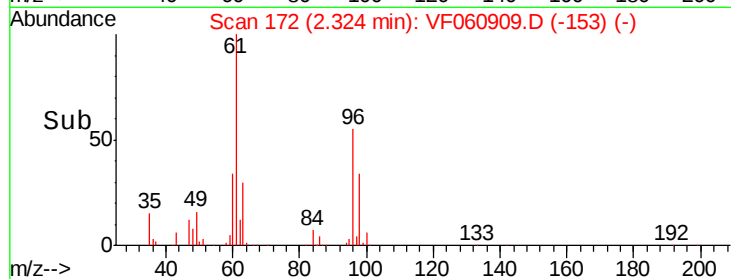
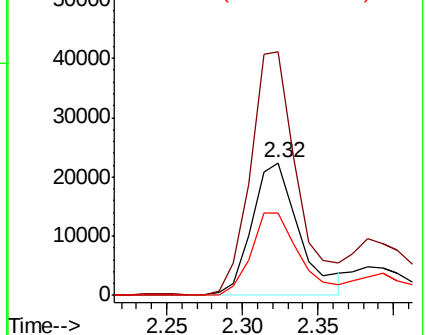
98 62.4 51.6 77.4



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 48.561 ug/l

RT: 2.82 min Scan# 222

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Tgt Ion: 45 Resp: 233039

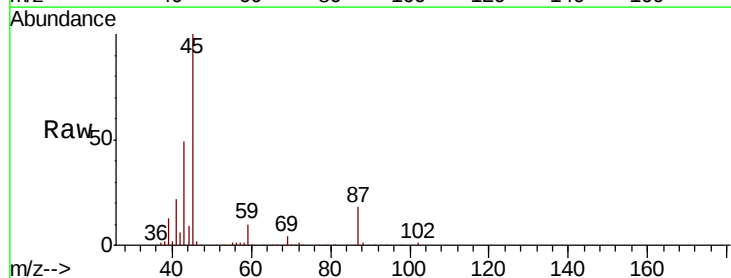
Ion Ratio Lower Upper

45 100

43 49.4 41.0 61.6

87 18.0 14.6 22.0

59 9.8 7.5 11.3

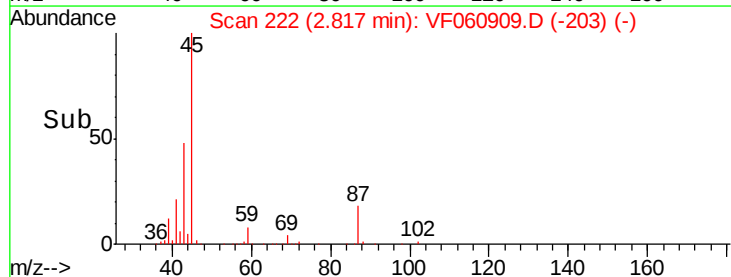
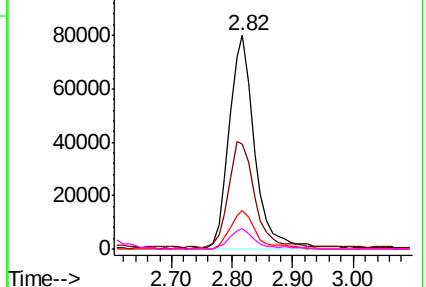


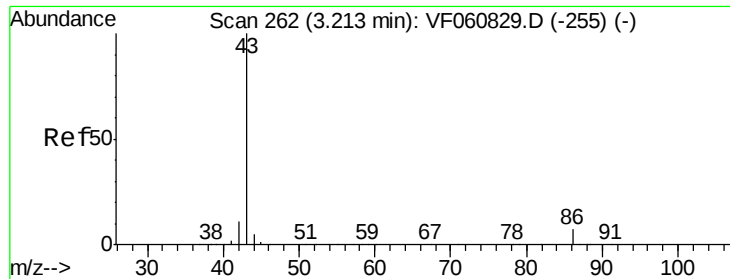
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 259.079 ug/l

RT: 3.20 min Scan# 261

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

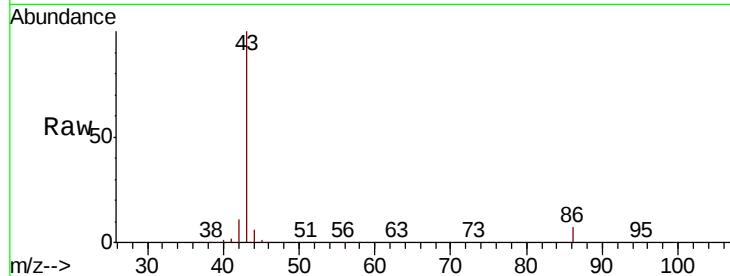
VSTDCCC050EC

Tot Ion: 43 Resp: 568321

Ion Ratio Lower Upper

43 100

86 7.3 5.4 8.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.20

200000

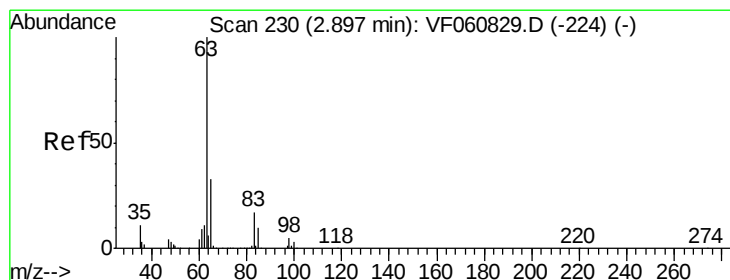
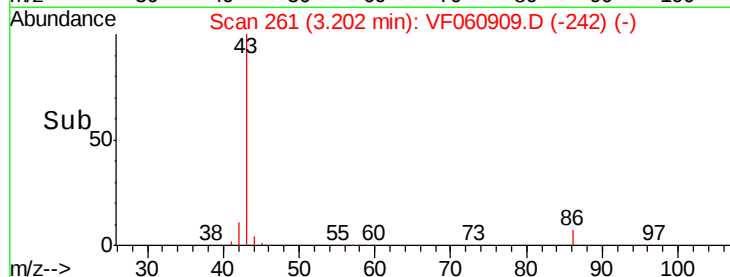
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.577 ug/l

RT: 2.89 min Scan# 229

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

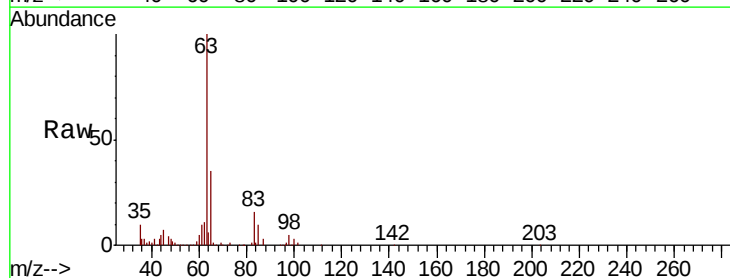
Tgt Ion: 63 Resp: 141550

Ion Ratio Lower Upper

63 100

98 4.8 2.7 8.1

100 3.0 1.5 4.5



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

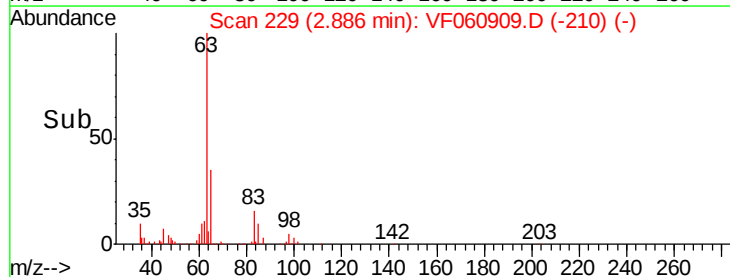
60000

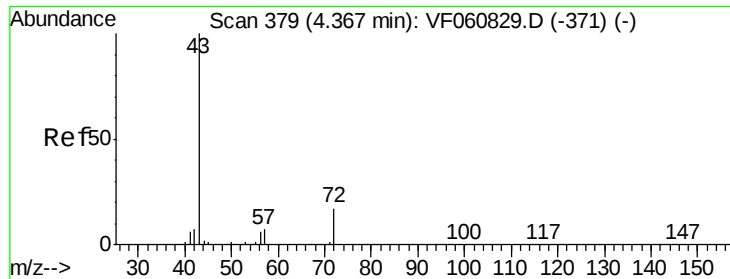
40000

20000

0

Time-->





#25

2-Butanone

Concen: 243.587 ug/l

RT: 4.36 min Scan# 378

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

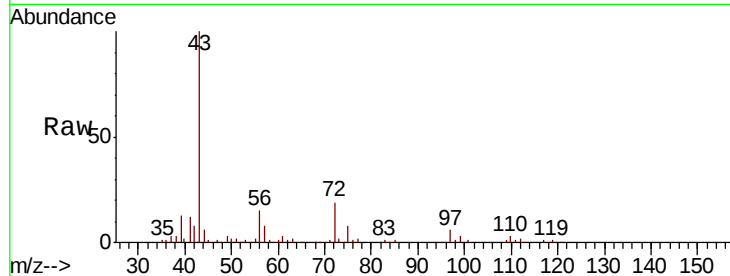
VSTDCCC050EC

Tot Ion: 43 Resp: 163500

Ion Ratio Lower Upper

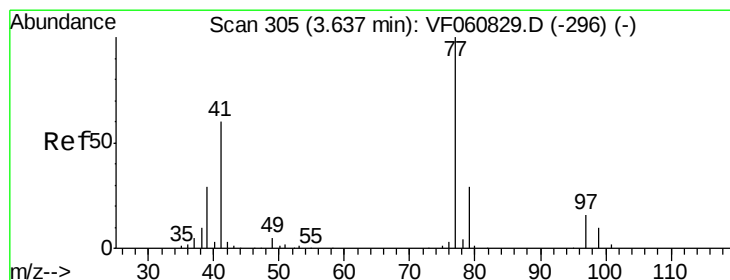
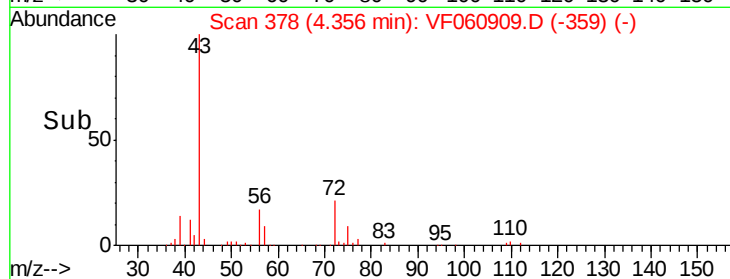
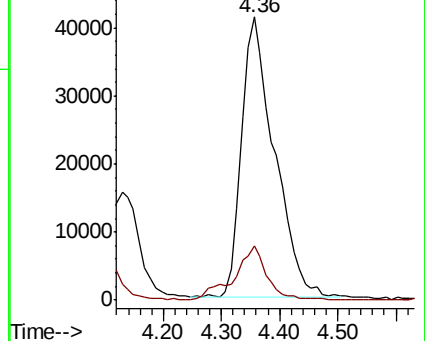
43 100

72 19.4 15.4 23.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 43.753 ug/l

RT: 3.62 min Scan# 303

Delta R.T. -0.02 min

Lab File: VF060909.D

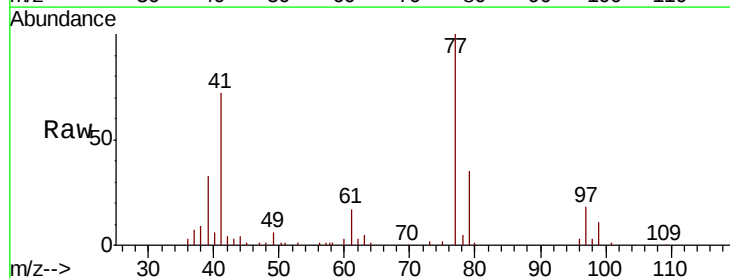
Acq: 4 Dec 2018 00:07

Tgt Ion: 77 Resp: 80988

Ion Ratio Lower Upper

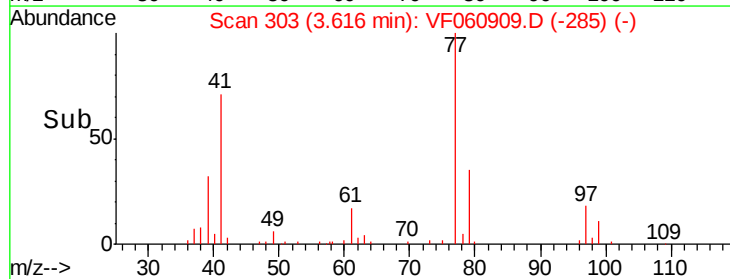
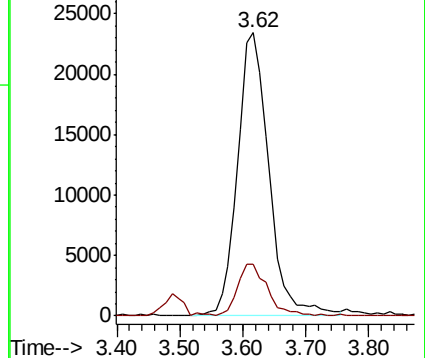
77 100

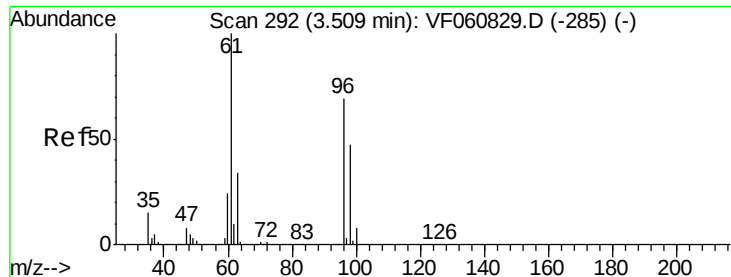
97 18.4 8.6 25.8



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



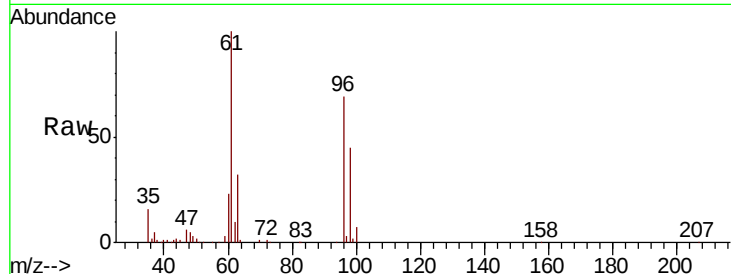


#27

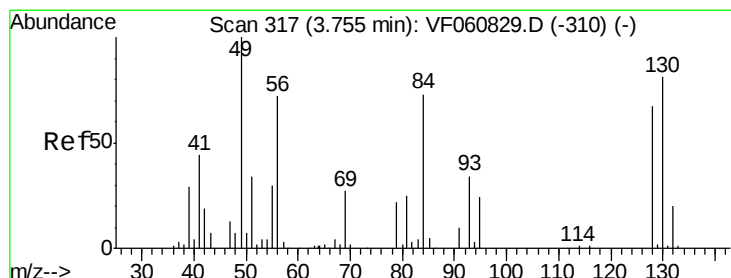
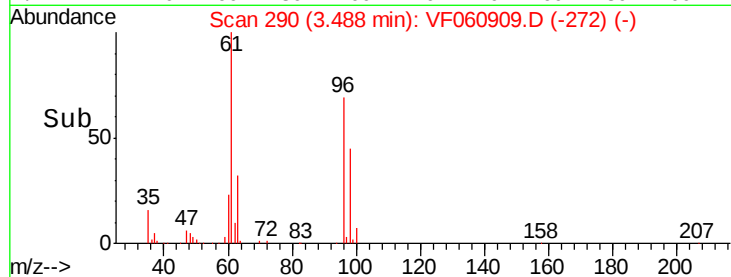
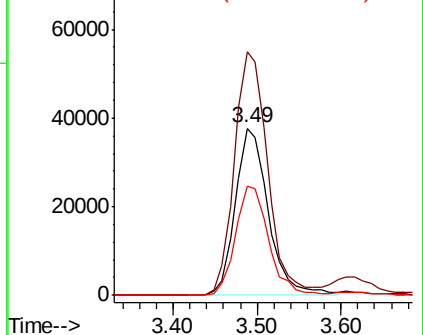
cis-1,2-Dichloroethene
 Concen: 46.481 ug/l
 RT: 3.49 min Scan# 290
 Delta R.T. -0.02 min
 Lab File: VF060909.D
 Acq: 4 Dec 2018 00:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.7	0.0	290.6
98	65.2	0.0	137.8



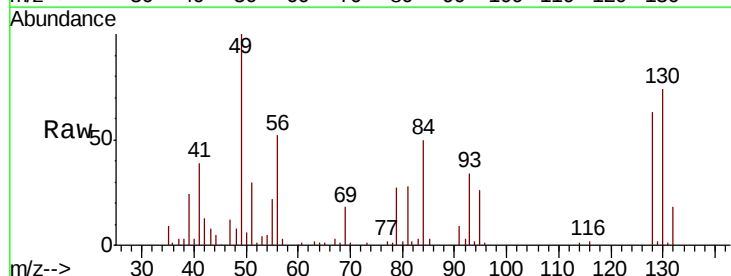
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



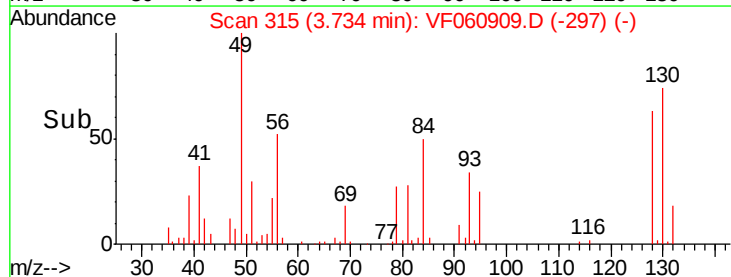
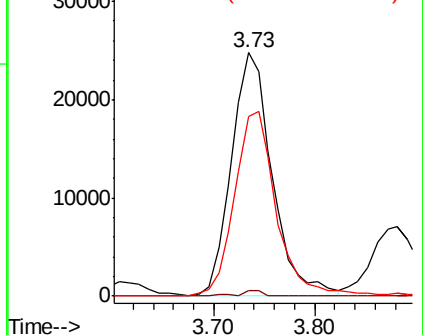
#28

Bromochloromethane
 Concen: 50.354 ug/l
 RT: 3.73 min Scan# 315
 Delta R.T. -0.02 min
 Lab File: VF060909.D
 Acq: 4 Dec 2018 00:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	73.5	64.2	96.4



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: 256.650 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

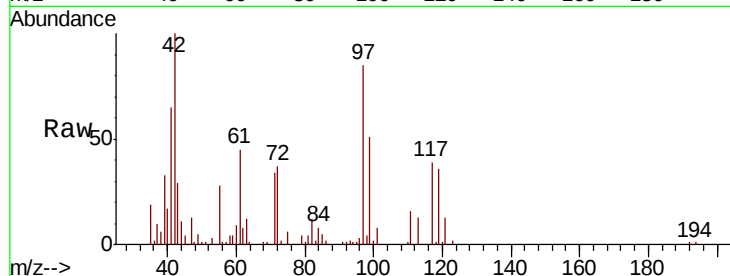
Tot Ion: 42 Resp: 73022

Ion Ratio Lower Upper

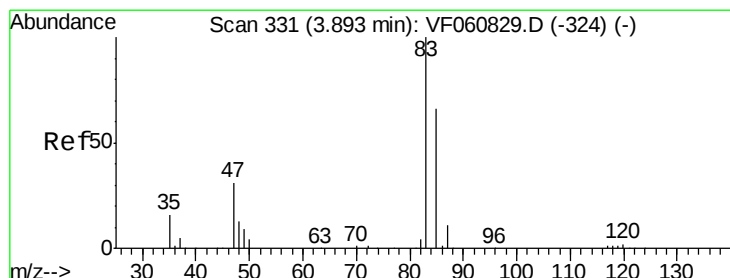
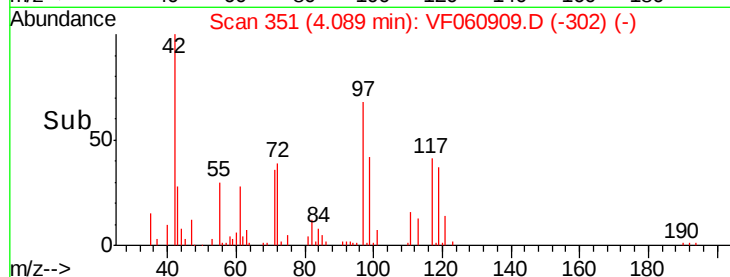
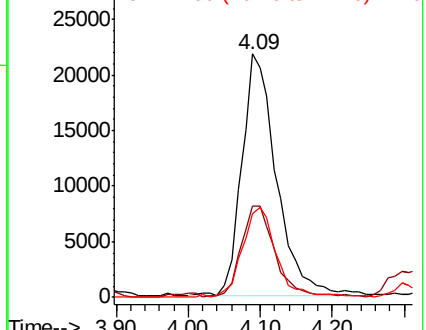
42 100

72 37.2 31.9 47.9

71 37.0 28.7 43.1



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: 48.776 ug/l

RT: 3.88 min Scan# 330

Delta R.T. -0.01 min

Lab File: VF060909.D

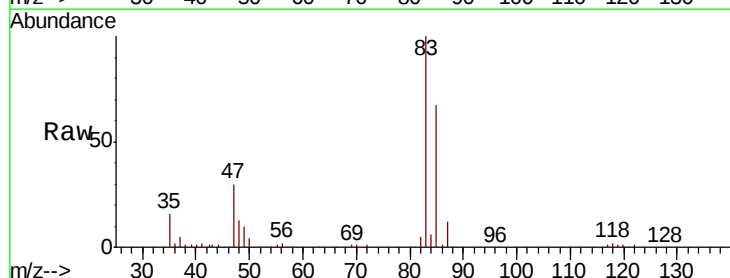
Acq: 4 Dec 2018 00:07

Tgt Ion: 83 Resp: 214332

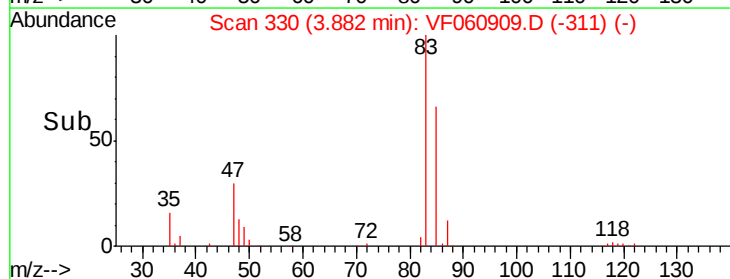
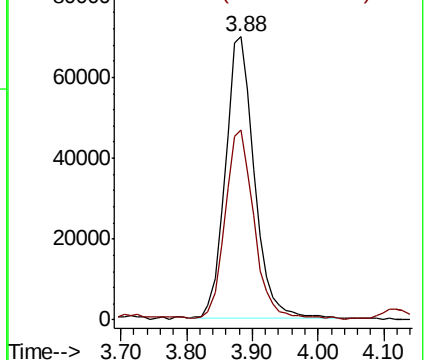
Ion Ratio Lower Upper

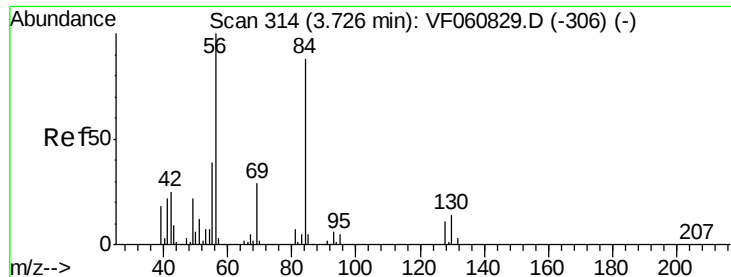
83 100

85 67.0 53.4 80.2



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0

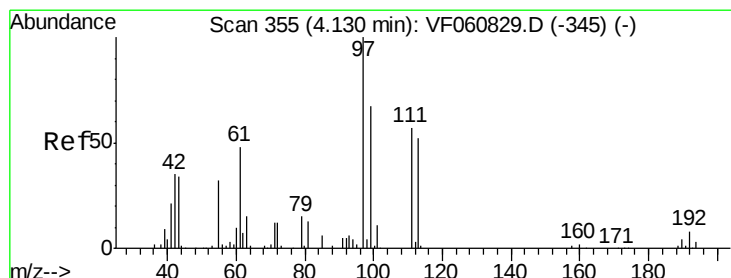
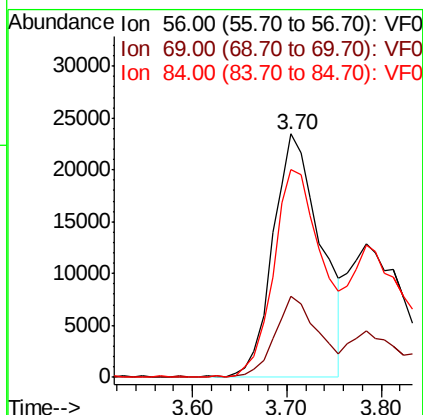
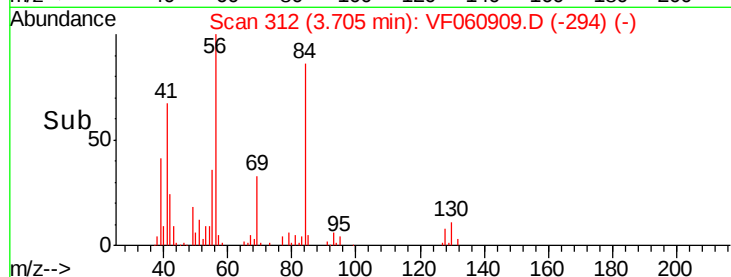
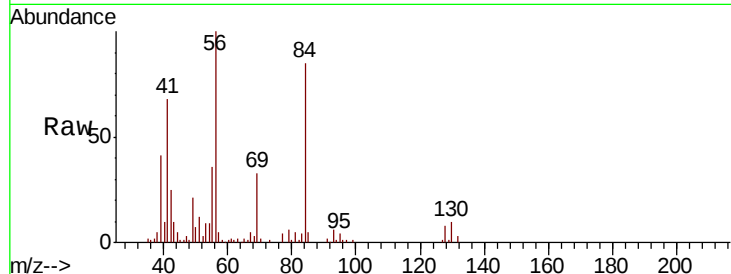




#31
Cyclohexane
Concen: 27.680 ug/l
RT: 3.70 min Scan# 312
Delta R.T. -0.02 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

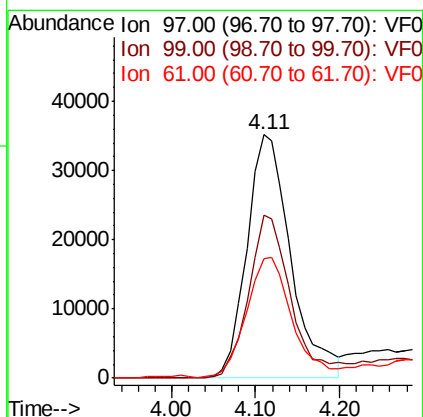
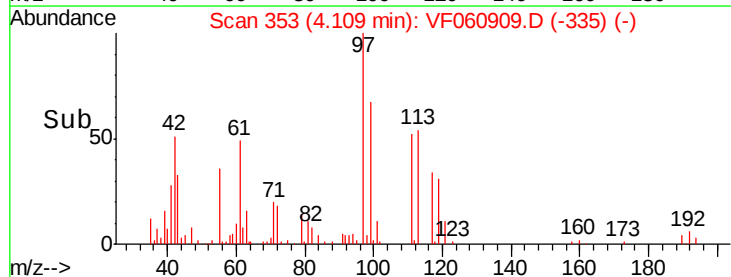
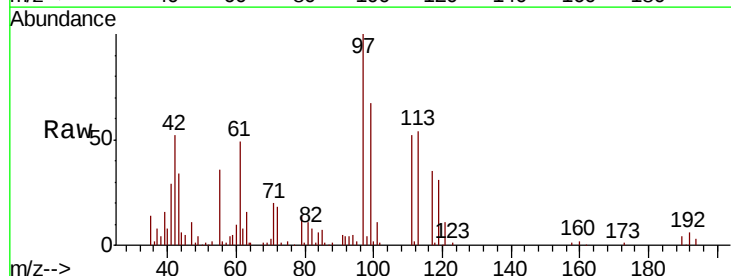
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

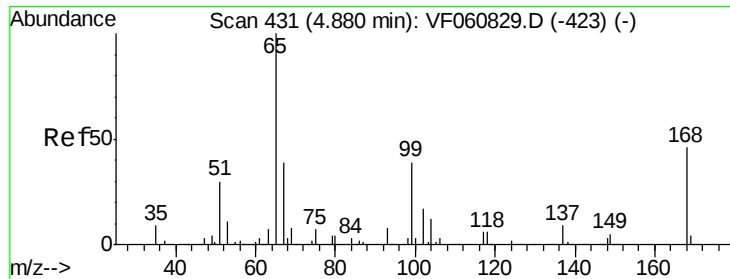
Tot Ion: 56 Resp: 82020
Ion Ratio Lower Upper
56 100
69 33.2 23.0 34.4
84 85.2 70.4 105.6



#32
1,1,1-Trichloroethane
Concen: 42.315 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.02 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion: 97 Resp: 128955
Ion Ratio Lower Upper
97 100
99 66.7 53.5 80.3
61 49.2 38.6 58.0





#33

1,2-Dichloroethane-d4

Concen: 59.072 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

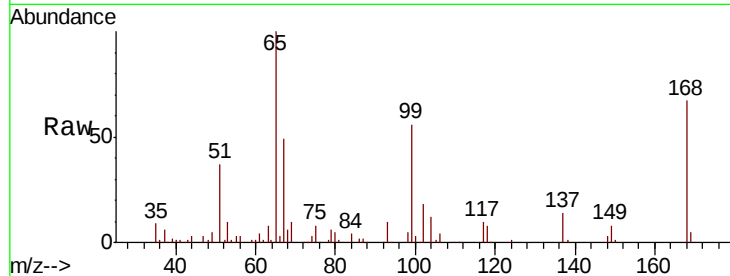
VSTDCCC050EC

Tot Ion: 65 Resp: 124312

Ion Ratio Lower Upper

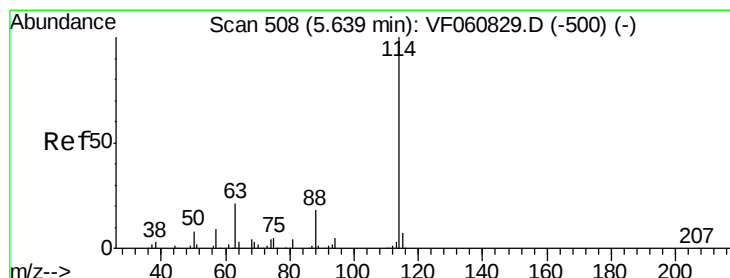
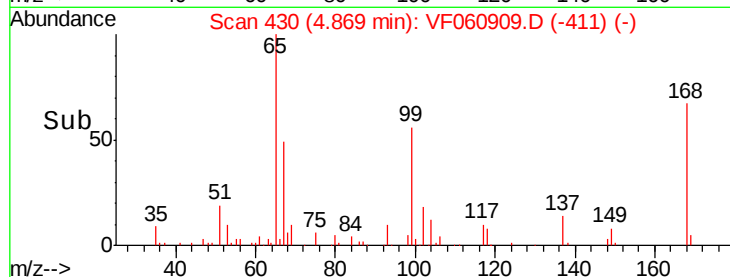
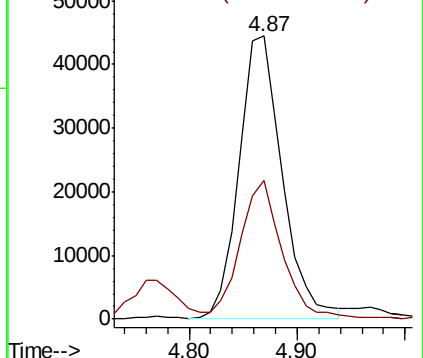
65 100

67 49.0 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 506

Delta R.T. -0.02 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

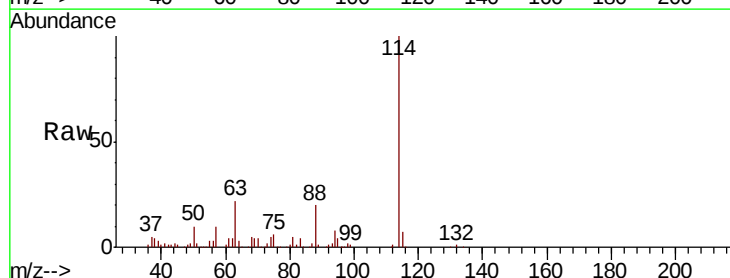
Tgt Ion: 114 Resp: 286251

Ion Ratio Lower Upper

114 100

63 21.8 0.0 41.6

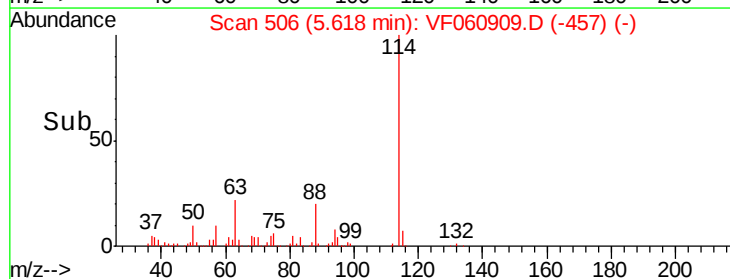
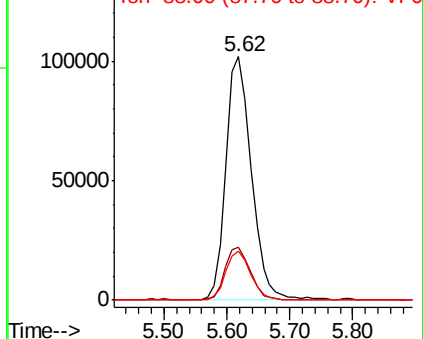
88 20.3 0.0 36.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 54.272 ug/l

RT: 4.14 min Scan# 356

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

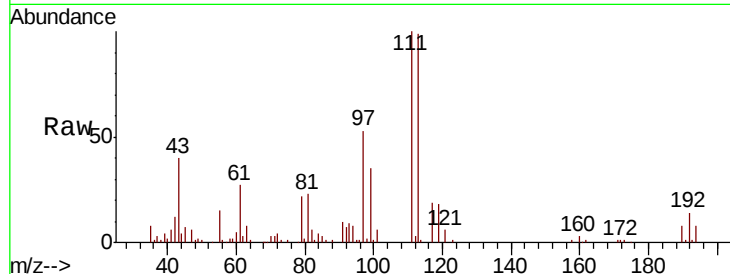
Tot Ion:113 Resp: 123247

Ion Ratio Lower Upper

113 100

111 100.8 83.0 124.6

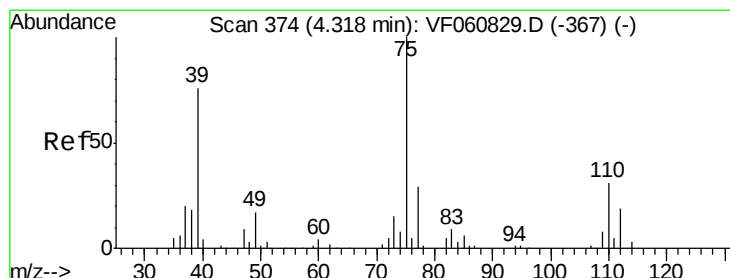
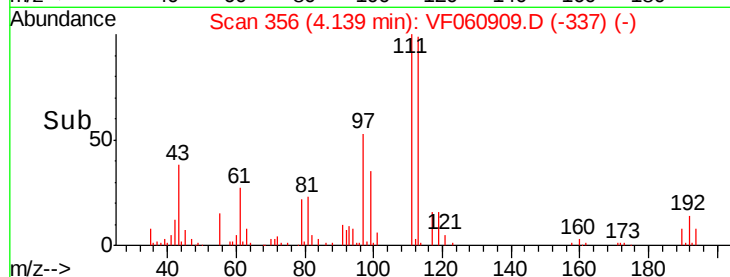
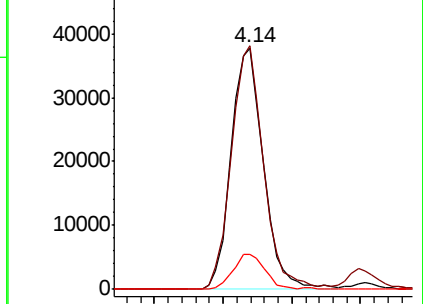
192 14.3 12.3 18.5



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: 51.455 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

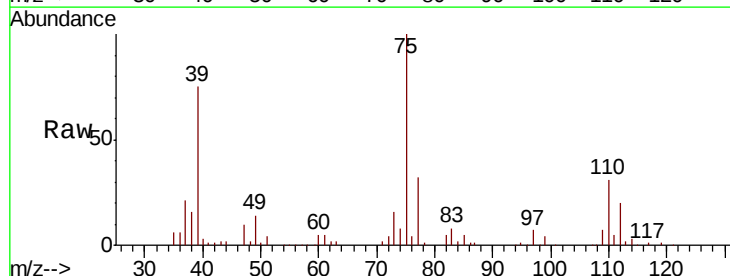
Tgt Ion: 75 Resp: 163371

Ion Ratio Lower Upper

75 100

110 31.0 15.6 46.8

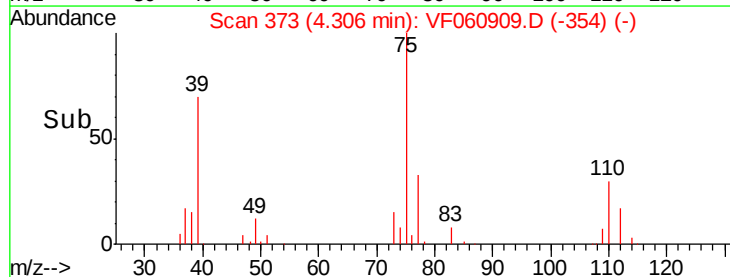
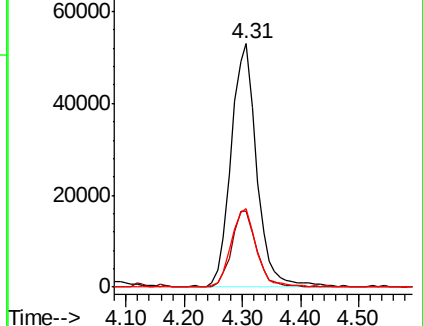
77 32.2 23.4 35.0

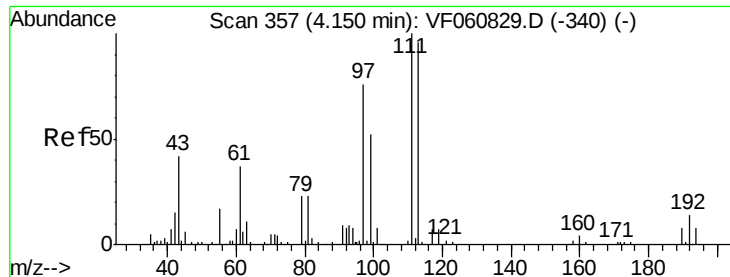


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

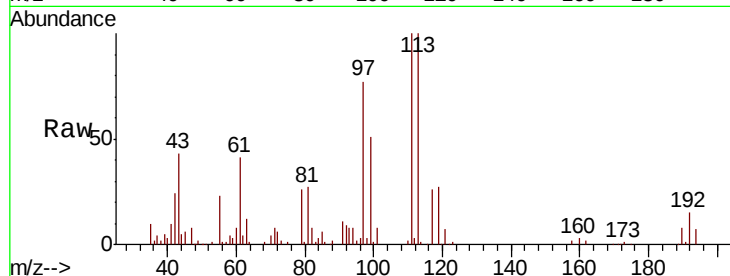




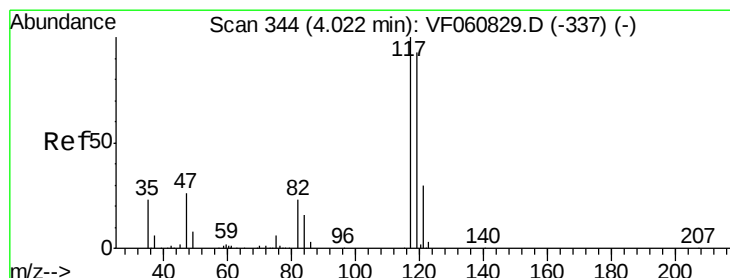
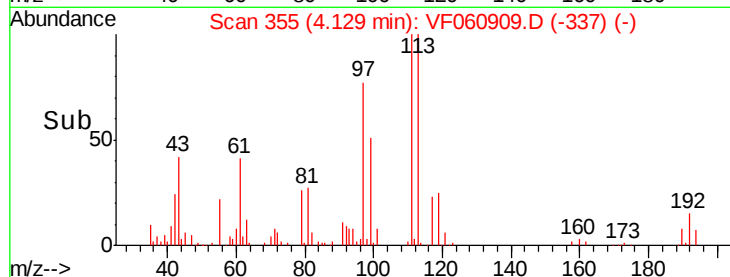
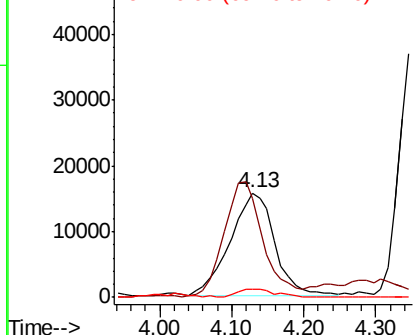
#37
Ethyl Acetate
Concen: 51.752 ug/l
RT: 4.13 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 66773
Ion Ratio Lower Upper
43 100
61 94.2 68.6 103.0
70 8.2 9.0 13.4#

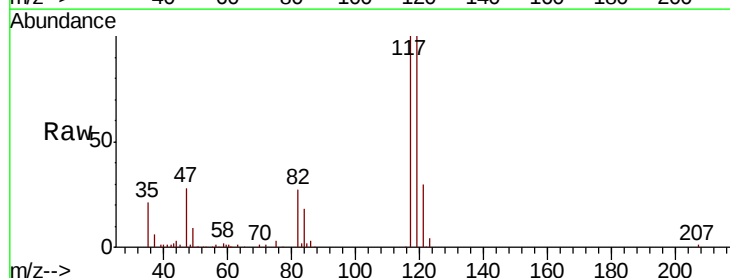


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

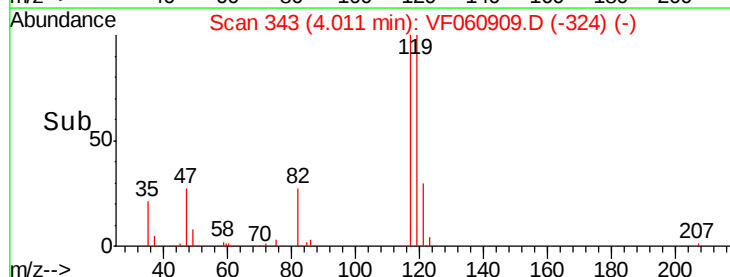
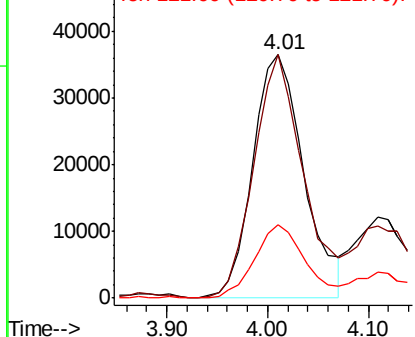


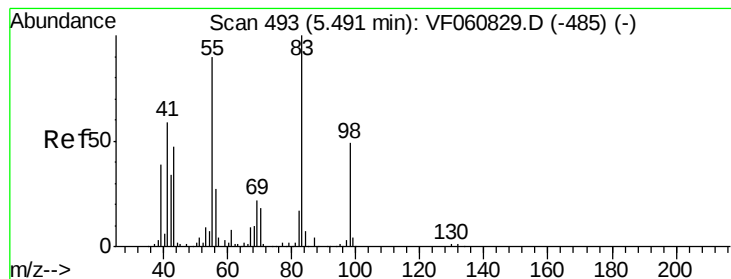
#38
Carbon Tetrachloride
Concen: 45.594 ug/l
RT: 4.01 min Scan# 343
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion: 117 Resp: 127860
Ion Ratio Lower Upper
117 100
119 100.2 74.4 111.6
121 30.1 23.5 35.3



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V





#39

Methvlcvclohexane

Concen: 43.345 ug/l

RT: 5.48 min Scan# 492

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

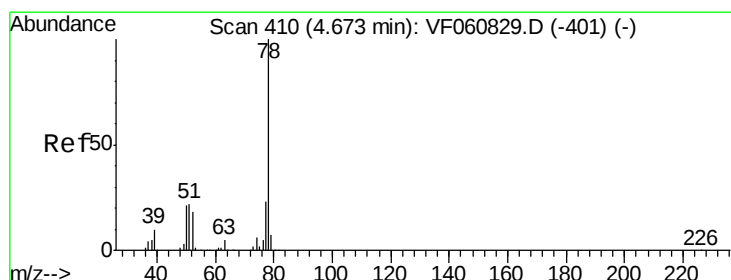
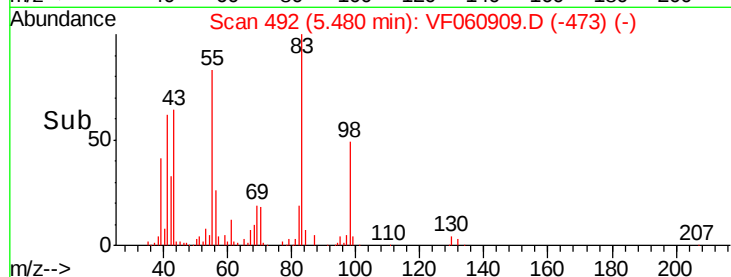
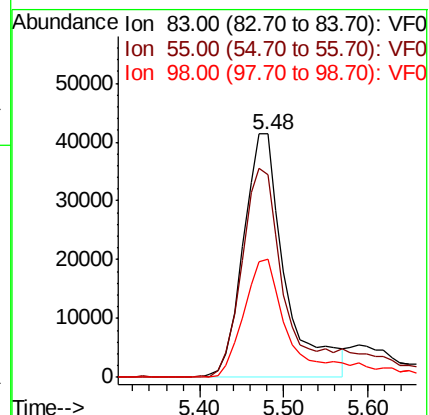
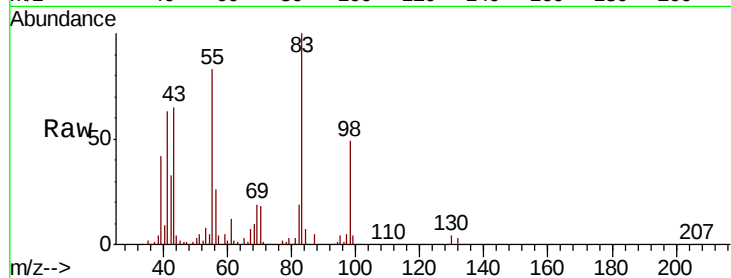
Tot Ion: 83 Resp: 144224

Ion Ratio Lower Upper

83 100

55 83.3 72.1 108.1

98 48.6 39.1 58.7



#40

Benzene

Concen: 47.355 ug/l

RT: 4.65 min Scan# 408

Delta R.T. -0.02 min

Lab File: VF060909.D

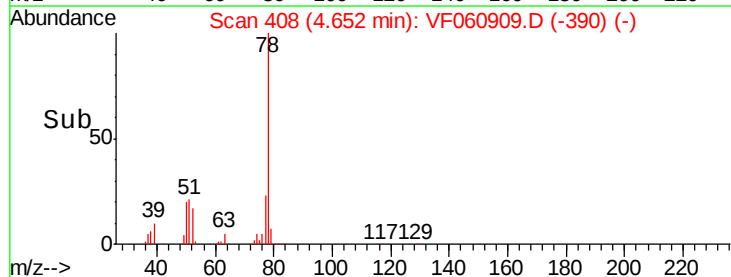
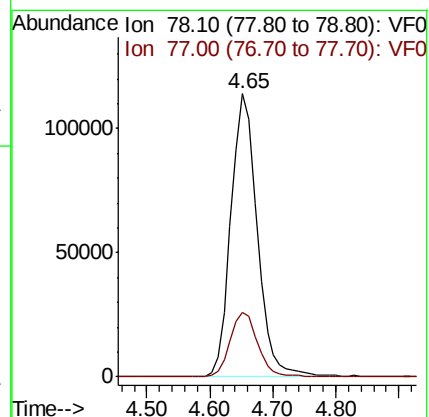
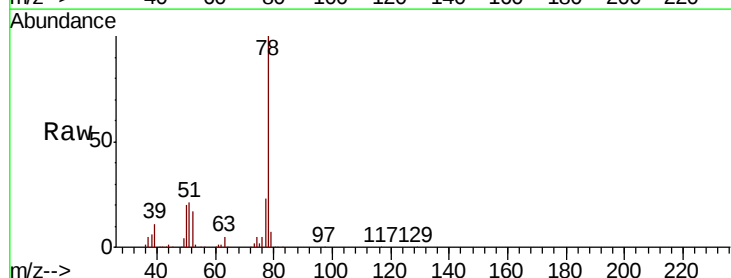
Acq: 4 Dec 2018 00:07

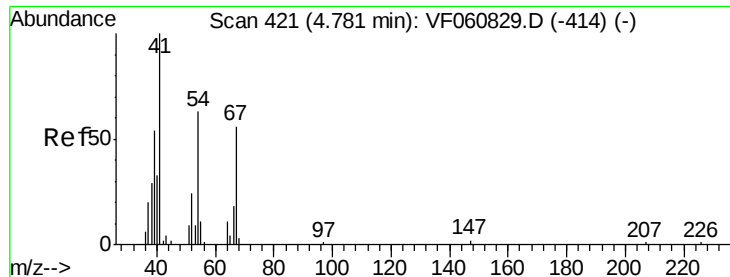
Tgt Ion: 78 Resp: 332161

Ion Ratio Lower Upper

78 100

77 22.7 18.7 28.1

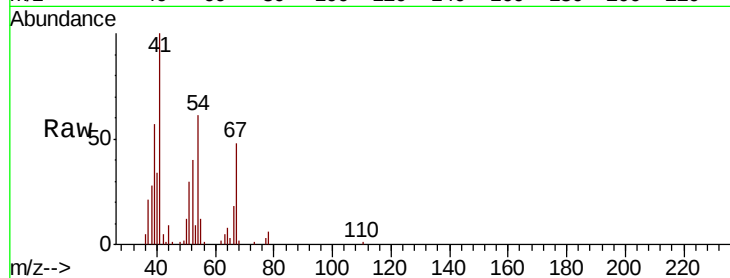




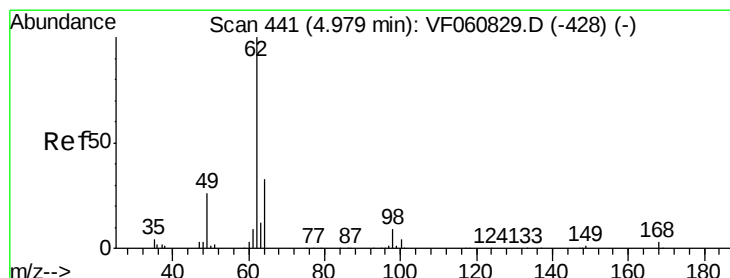
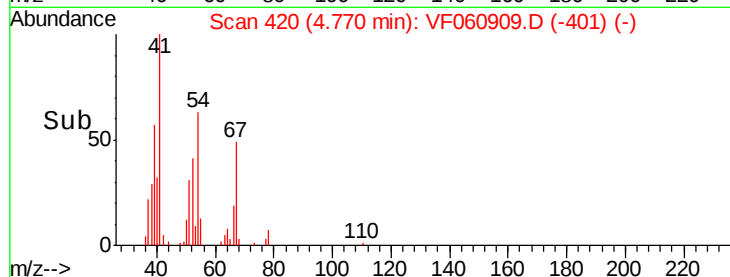
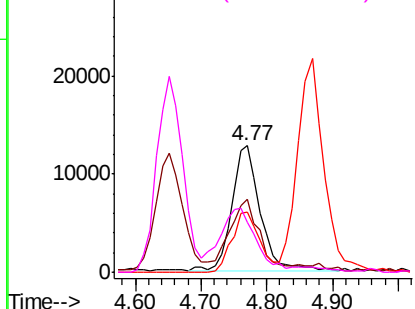
#41
Methacrylonitrile
Concen: 58.548 ug/l
RT: 4.77 min Scan# 420
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	38668
Ion	Ratio	Lower	Upper
41	100		
39	57.4	53.0	79.6
67	47.9	43.8	65.6
52	39.8	37.8	56.8

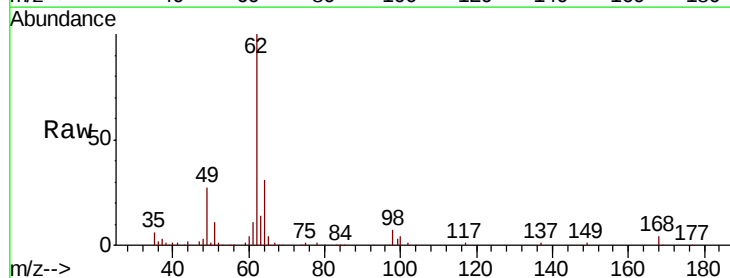


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

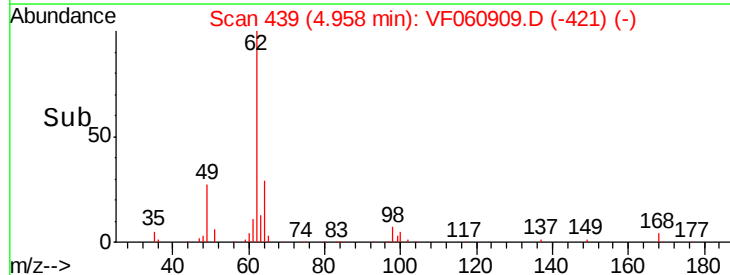
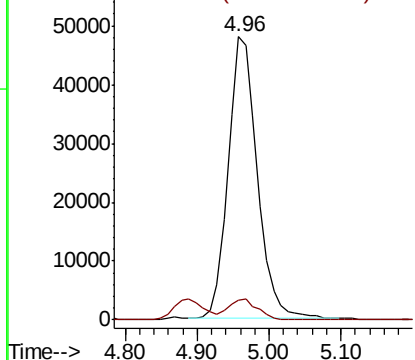


#42
1,2-Dichloroethane
Concen: 52.724 ug/l
RT: 4.96 min Scan# 439
Delta R.T. -0.02 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion:	62	Resp:	135013
Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	17.2



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



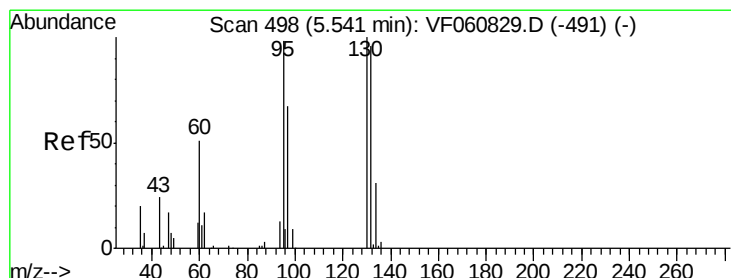
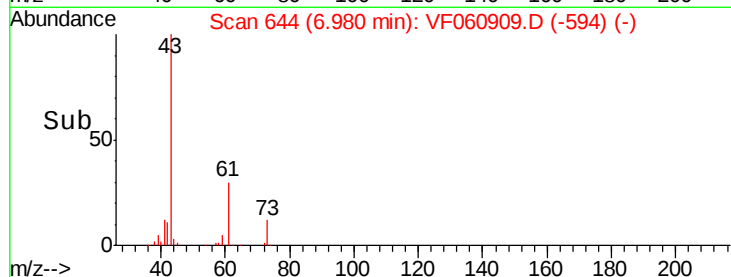
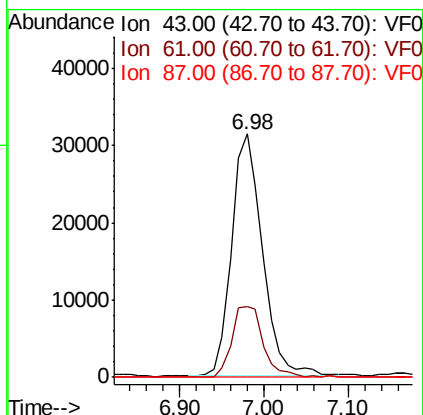
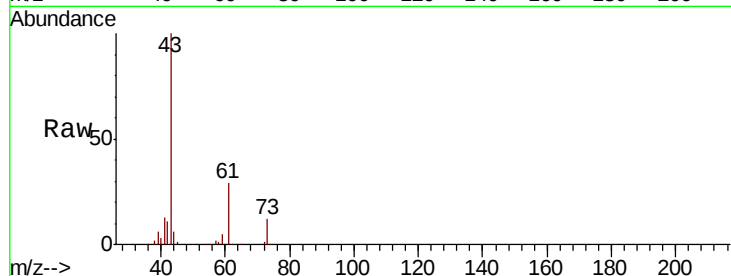


#43

Isopropyl Acetate
 Concen: 50.394 ug/l
 RT: 6.98 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: VF060909.D
 Acq: 4 Dec 2018 00:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

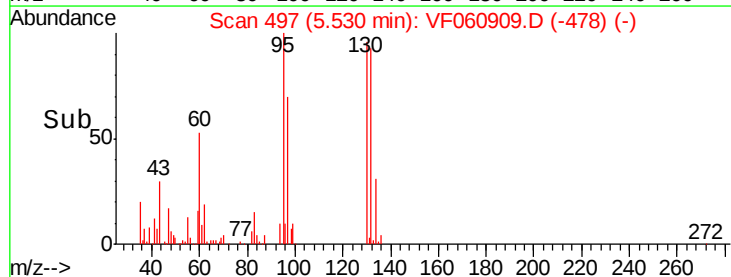
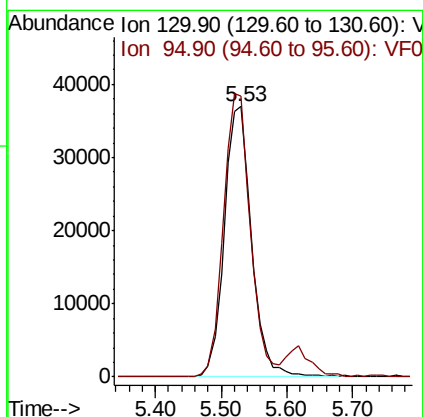
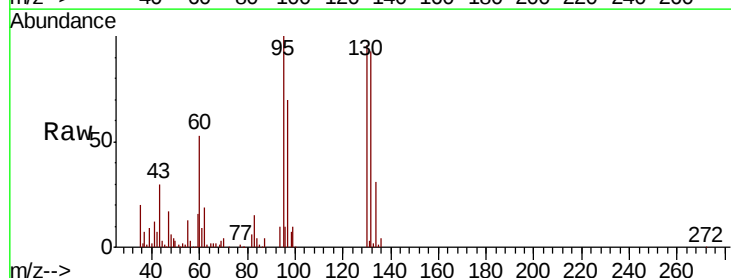
Tot Ion: 43 Resp: 80189
 Ion Ratio Lower Upper
 43 100
 61 29.2 21.4 32.0
 87 0.0 0.2 0.4#

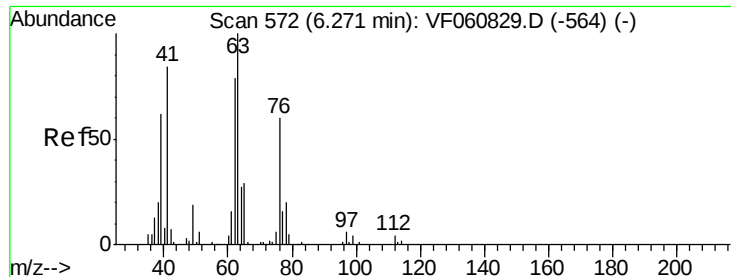


#44

Trichloroethene
 Concen: 46.745 ug/l
 RT: 5.53 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: VF060909.D
 Acq: 4 Dec 2018 00:07

Tgt Ion:130 Resp: 107205
 Ion Ratio Lower Upper
 130 100
 95 103.9 0.0 195.6





#45

1,2-Dichloropropane

Concen: 51.253 ug/l

RT: 6.26 min Scan# 571

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

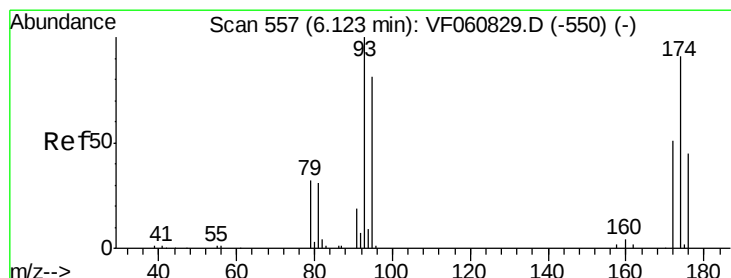
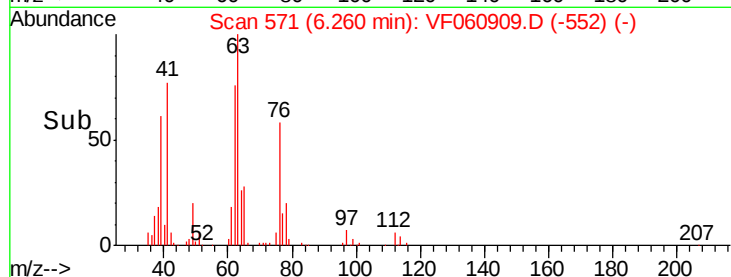
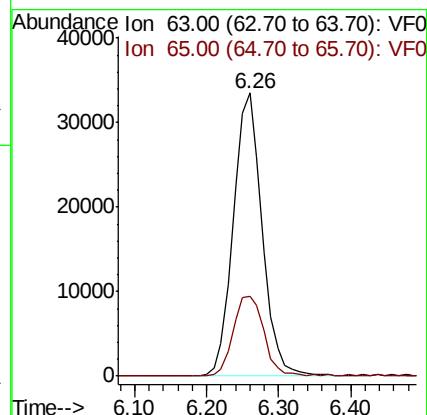
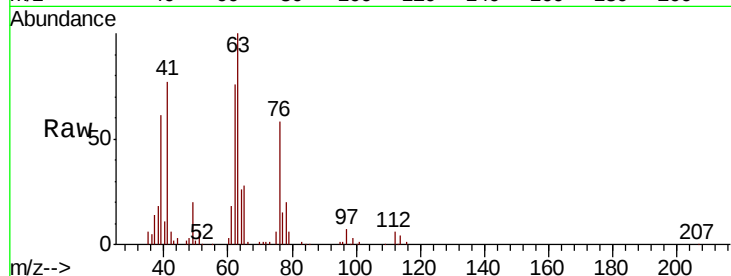
VSTDCCC050EC

Tot Ion: 63 Resp: 93368

Ion Ratio Lower Upper

63 100

65 28.2 23.2 34.8



#46

Dibromomethane

Concen: 53.271 ug/l

RT: 6.10 min Scan# 555

Delta R.T. -0.02 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

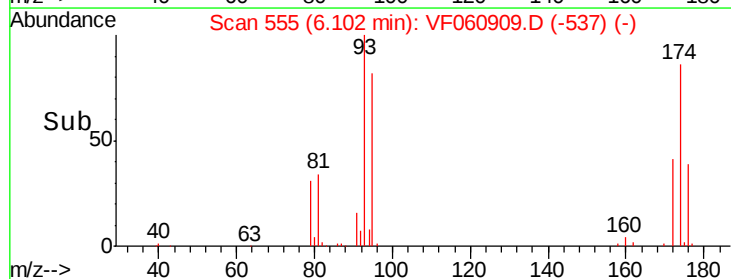
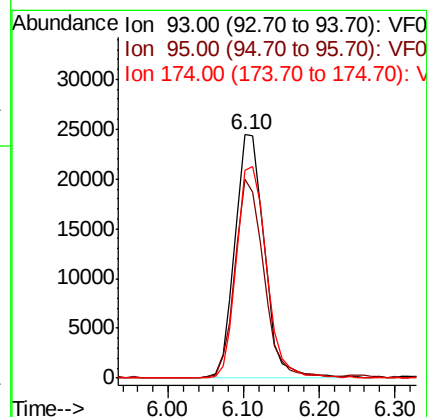
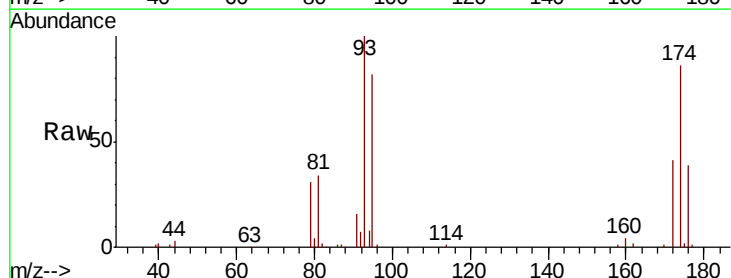
Tgt Ion: 93 Resp: 65831

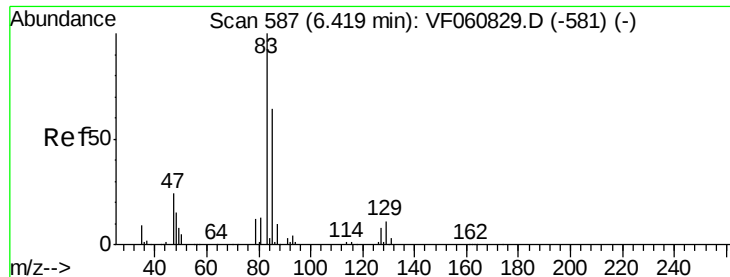
Ion Ratio Lower Upper

93 100

95 81.5 64.7 97.1

174 85.5 73.0 109.6





#47

Bromodichloromethane

Concen: 50.045 ug/l

RT: 6.41 min Scan# 586

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

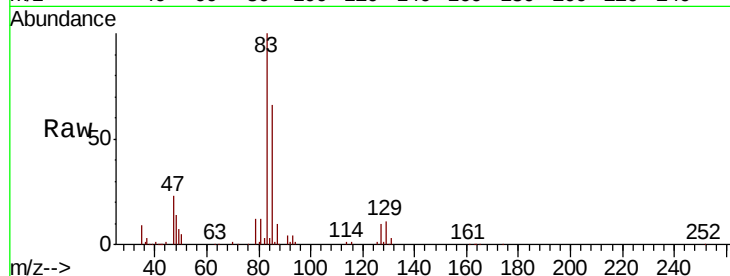
Tot Ion: 83 Resp: 164258

Ion Ratio Lower Upper

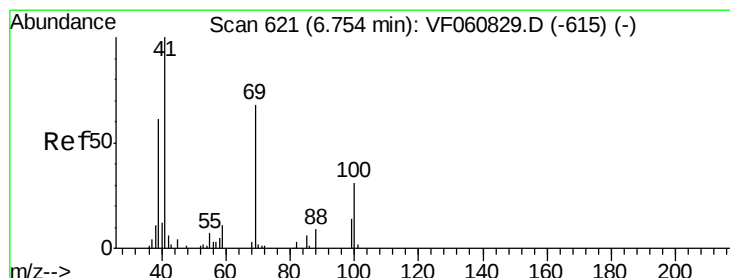
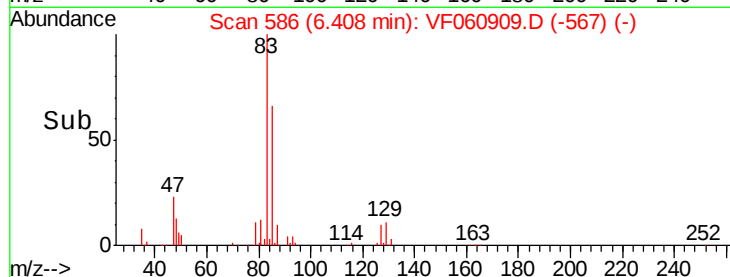
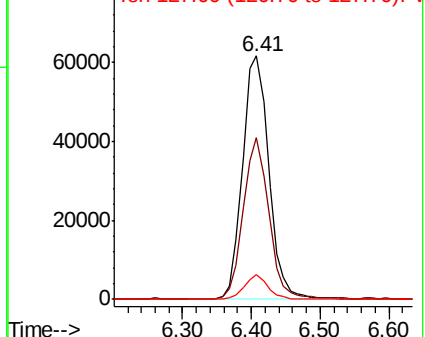
83 100

85 66.2 51.1 76.7

127 9.9 6.8 10.2



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: 52.177 ug/l

RT: 6.73 min Scan# 619

Delta R.T. -0.02 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

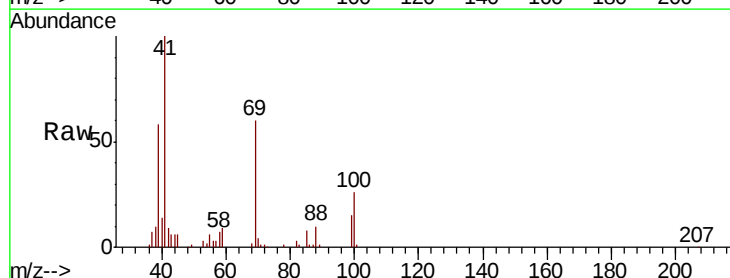
Tgt Ion: 41 Resp: 60937

Ion Ratio Lower Upper

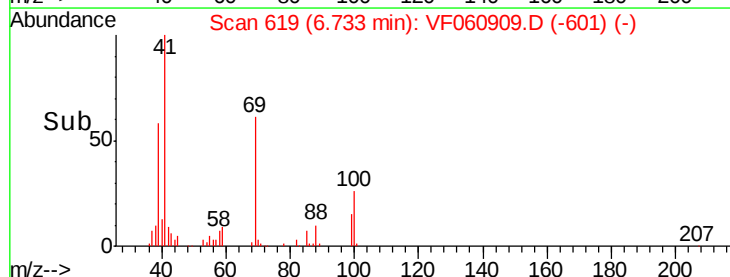
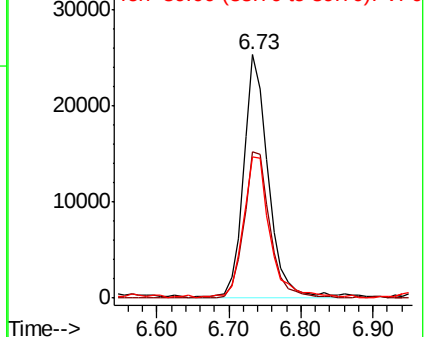
41 100

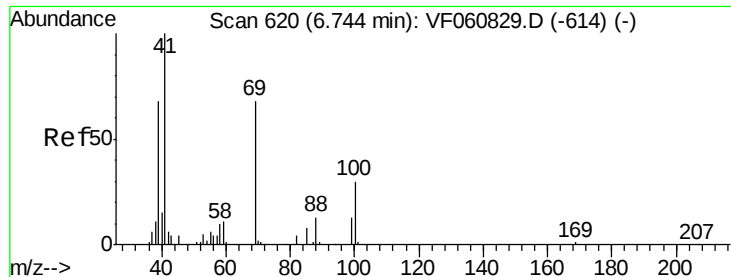
69 59.9 53.9 80.9

39 58.1 49.0 73.6



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

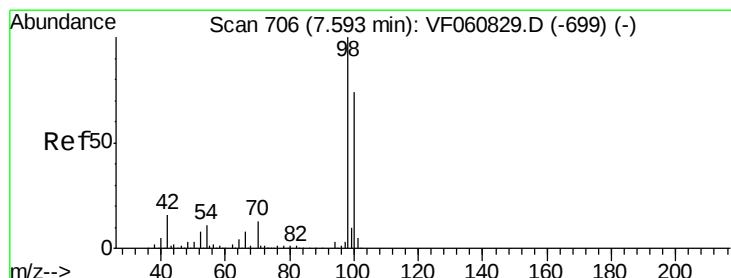
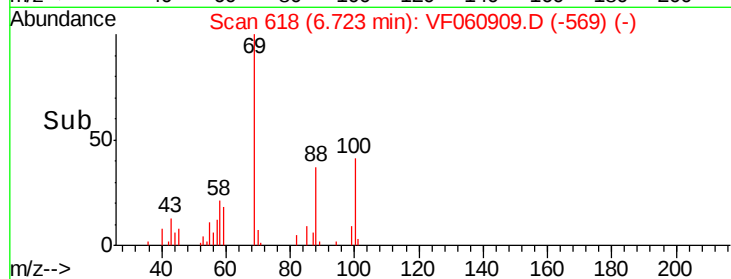
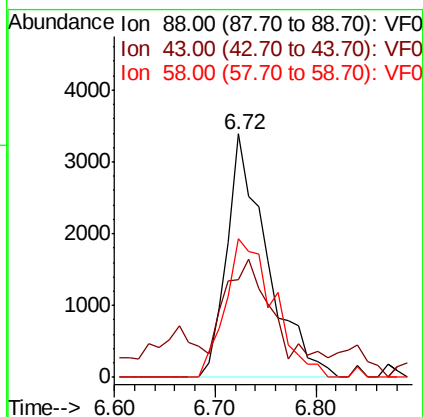
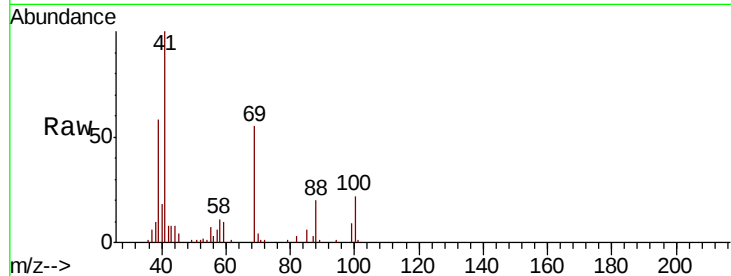




#49
1,4-Dioxane
Concen: 1103.725 ug/l
RT: 6.72 min Scan# 618
Delta R.T. -0.02 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

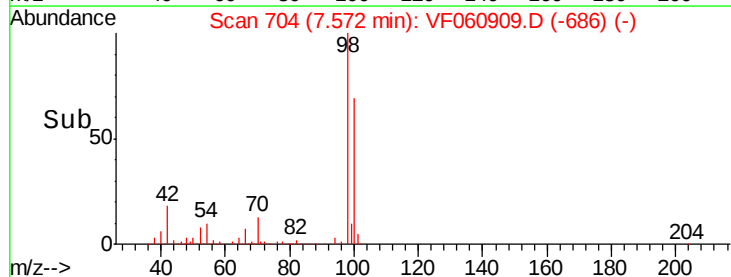
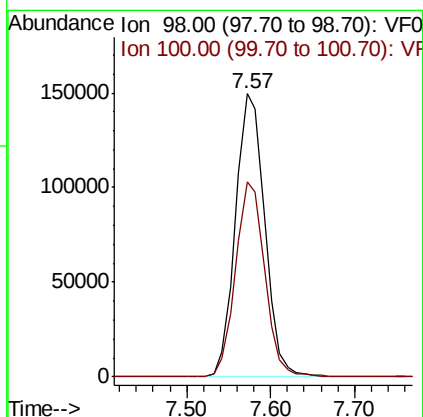
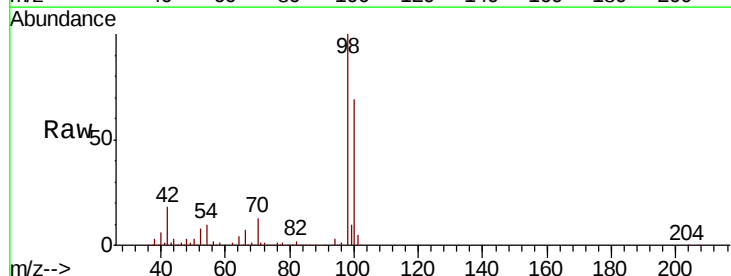
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

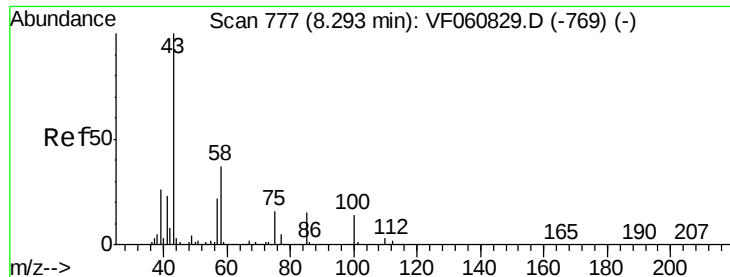
Tot Ion: 88 Resp: 9434
Ion Ratio Lower Upper
88 100
43 40.2 42.0 63.0#
58 56.9 61.8 92.8#



#50
Toluene-d8
Concen: 54.375 ug/l
RT: 7.57 min Scan# 704
Delta R.T. -0.02 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion: 98 Resp: 363736
Ion Ratio Lower Upper
98 100
100 68.9 59.3 88.9





#51

4-Methyl-2-Pentanone

Concen: 257.249 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

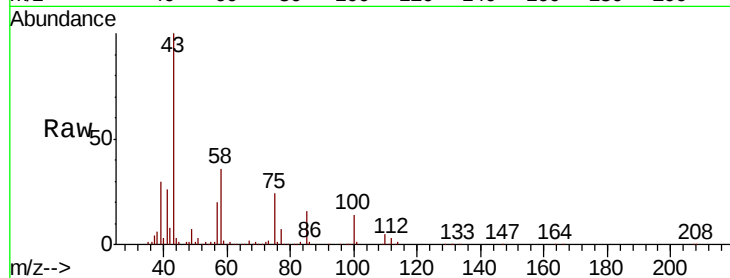
VSTDCCC050EC

Tot Ion: 43 Resp: 306076

Ion Ratio Lower Upper

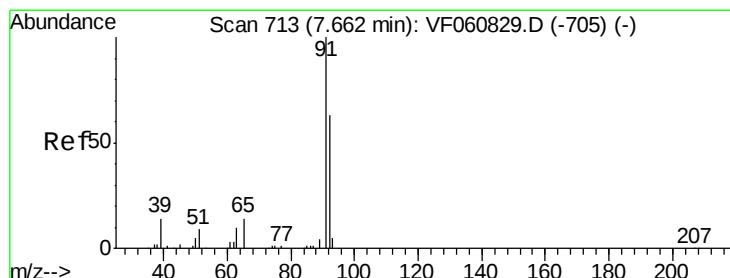
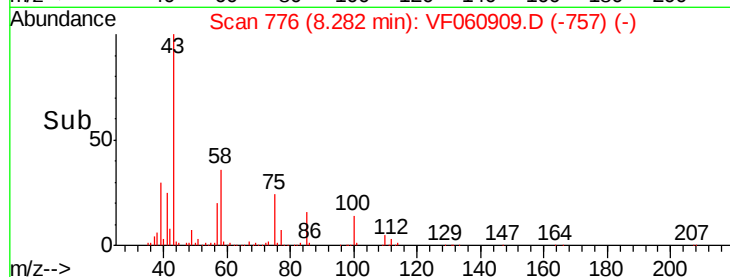
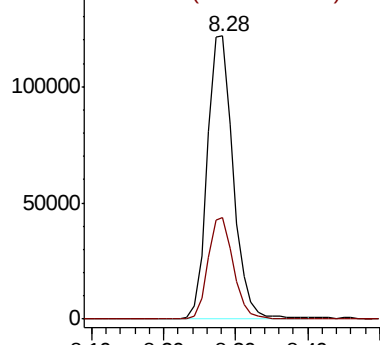
43 100

58 36.1 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 45.405 ug/l

RT: 7.64 min Scan# 711

Delta R.T. -0.02 min

Lab File: VF060909.D

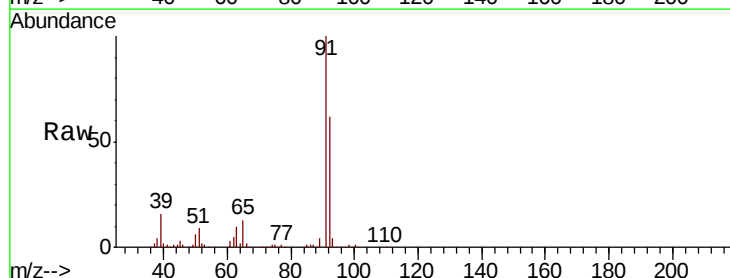
Acq: 4 Dec 2018 00:07

Tgt Ion: 92 Resp: 223707

Ion Ratio Lower Upper

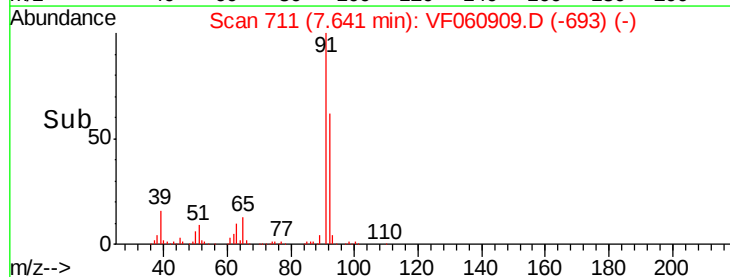
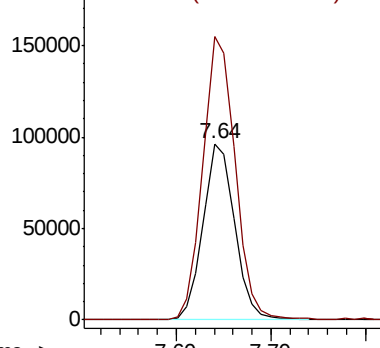
92 100

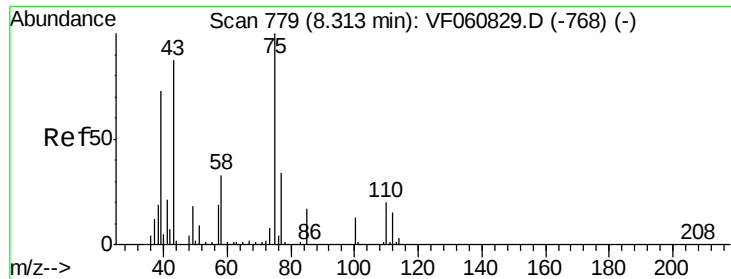
91 160.8 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 49.781 ug/l

RT: 8.30 min Scan# 778

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

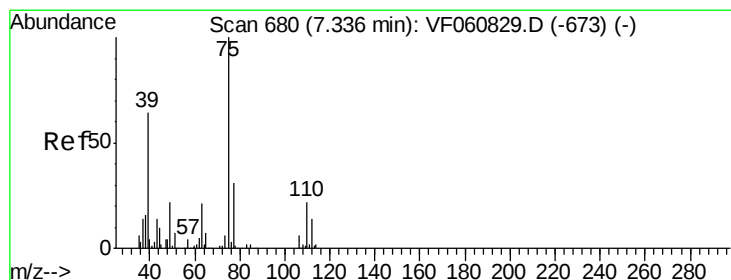
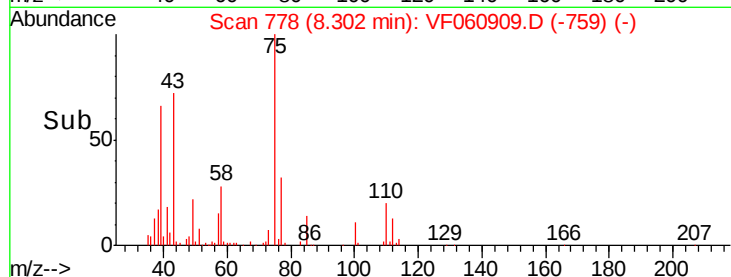
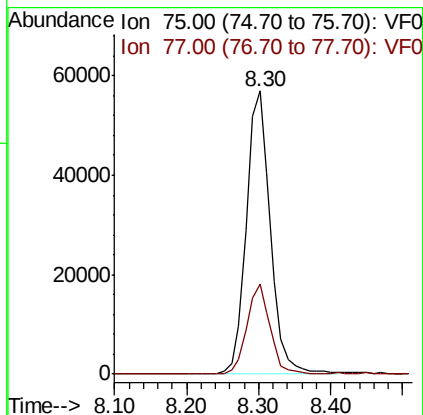
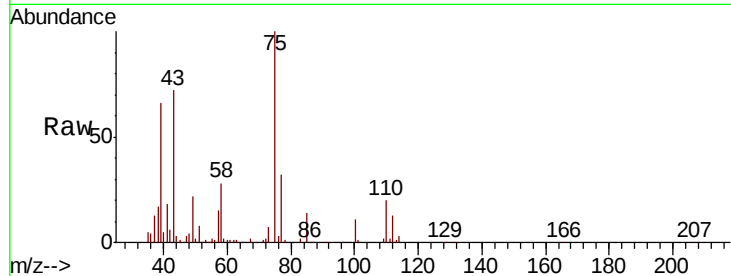
VSTDCCC050EC

Tot Ion: 75 Resp: 132904

Ion Ratio Lower Upper

75 100

77 32.0 27.4 41.2



#54

cis-1,3-Dichloropropene

Concen: 48.192 ug/l

RT: 7.32 min Scan# 679

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

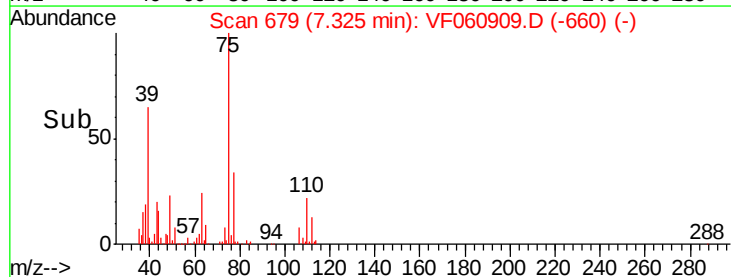
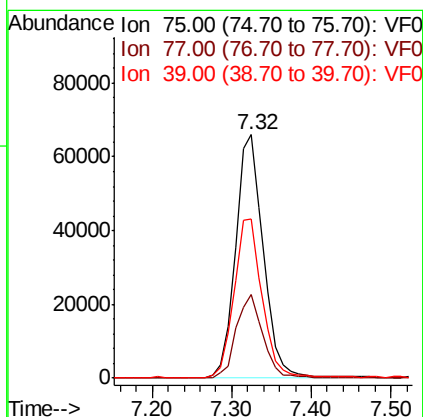
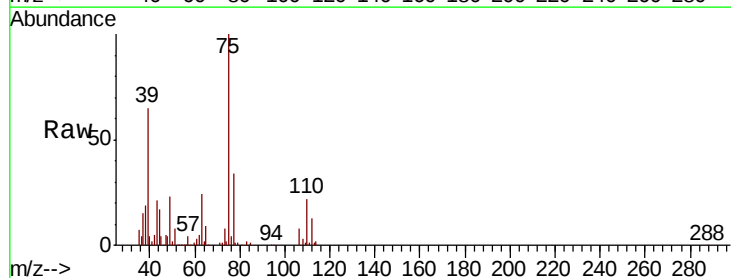
Tgt Ion: 75 Resp: 159280

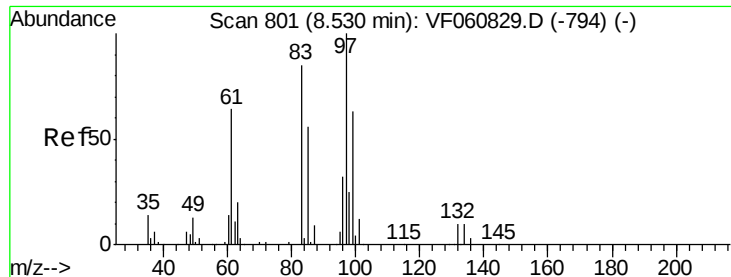
Ion Ratio Lower Upper

75 100

77 34.4 25.0 37.6

39 65.4 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 49.467 ug/l

RT: 8.51 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

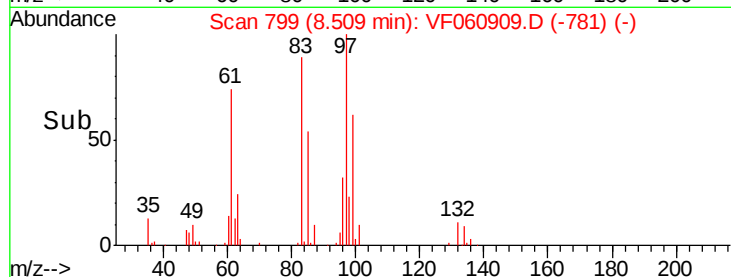
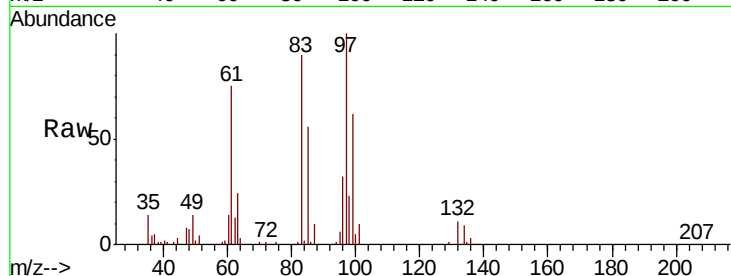
MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 71016

Ion	Ratio	Lower	Upper
97	100		
83	89.7	67.8	101.6
85	56.3	45.0	67.6
99	62.4	50.5	75.7

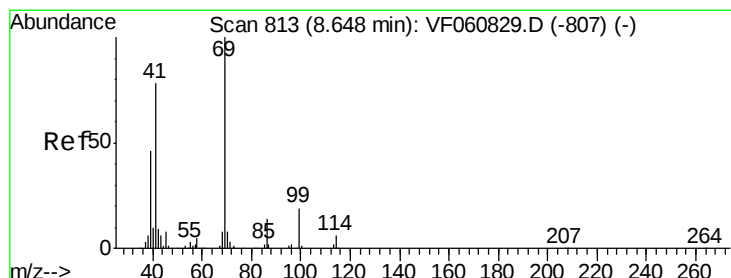
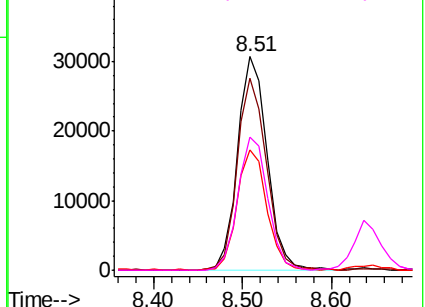


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 47.954 ug/l

RT: 8.64 min Scan# 812

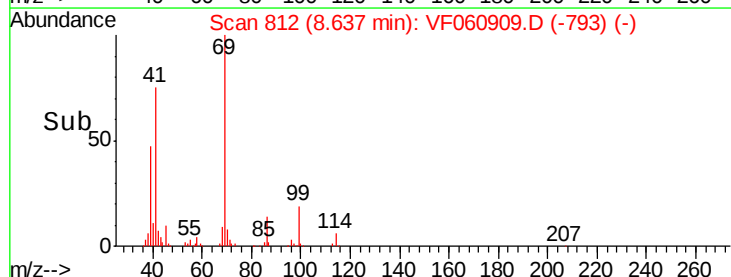
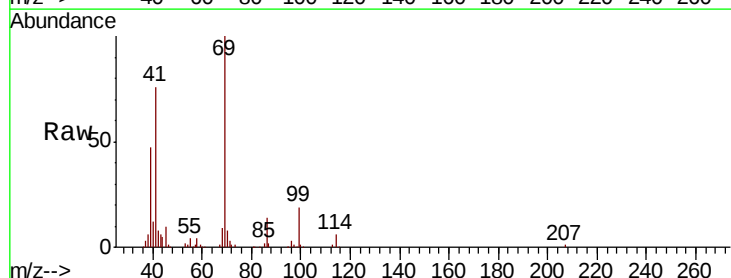
Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Tgt Ion: 69 Resp: 76478

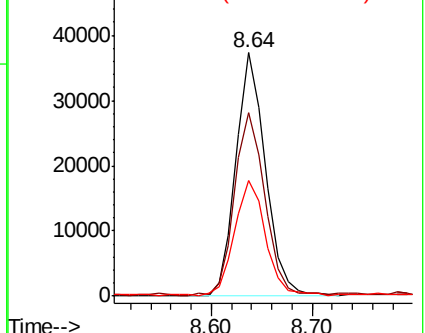
Ion	Ratio	Lower	Upper
69	100		
41	75.5	62.6	94.0
39	47.4	37.8	56.6

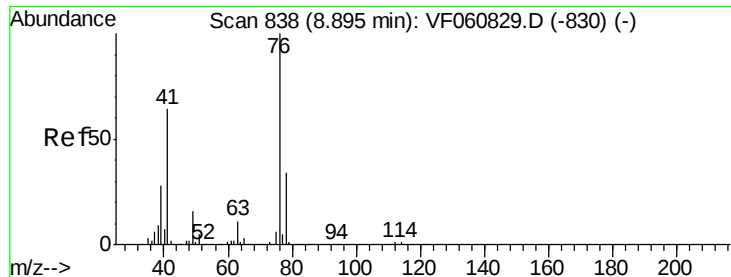


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 52.707 ug/l

RT: 8.87 min Scan# 836

Delta R.T. -0.02 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

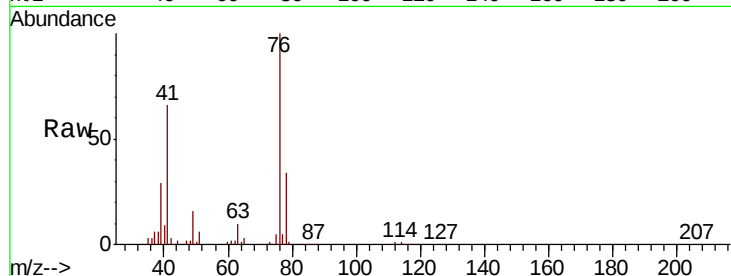
VSTDCCC050EC

Tot Ion: 76 Resp: 132384

Ion Ratio Lower Upper

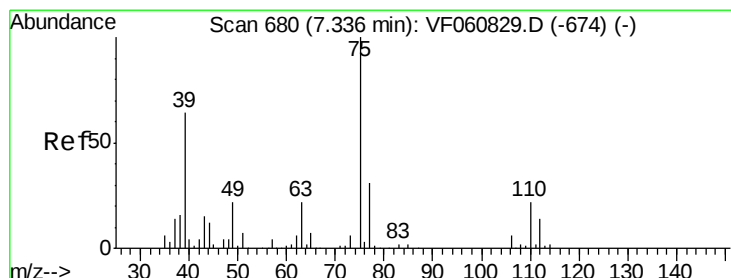
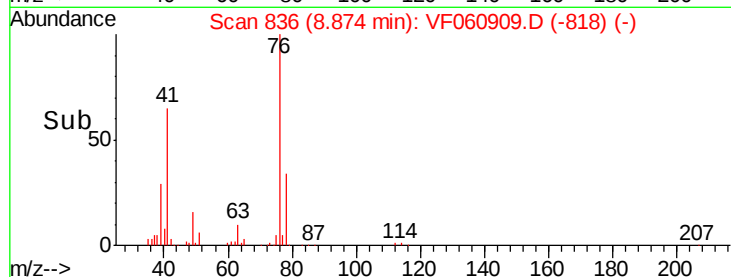
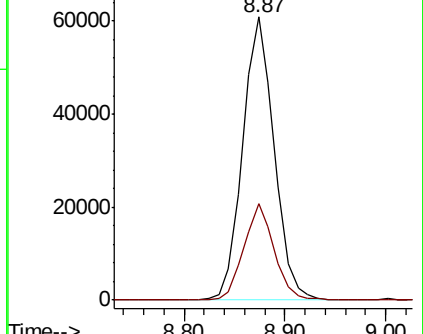
76 100

78 34.0 27.0 40.4



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 274.782 ug/l

RT: 7.32 min Scan# 678

Delta R.T. -0.02 min

Lab File: VF060909.D

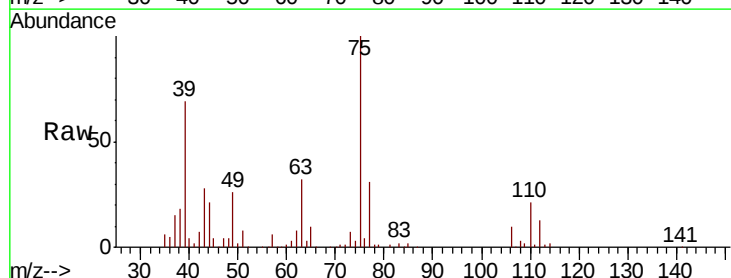
Acq: 4 Dec 2018 00:07

Tgt Ion: 63 Resp: 44824

Ion Ratio Lower Upper

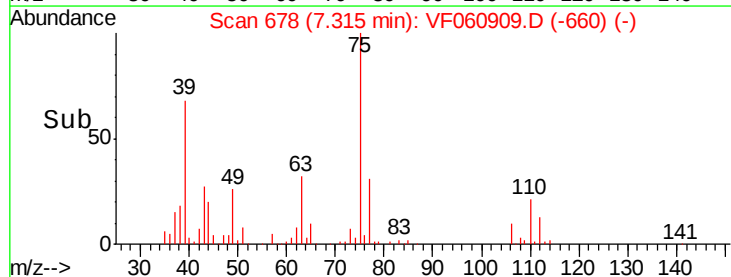
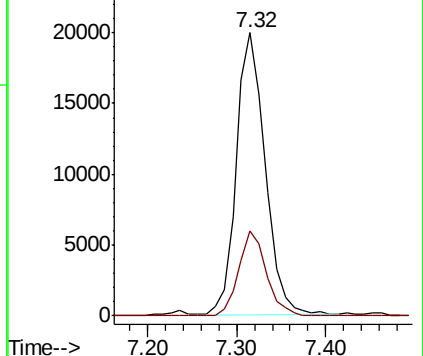
63 100

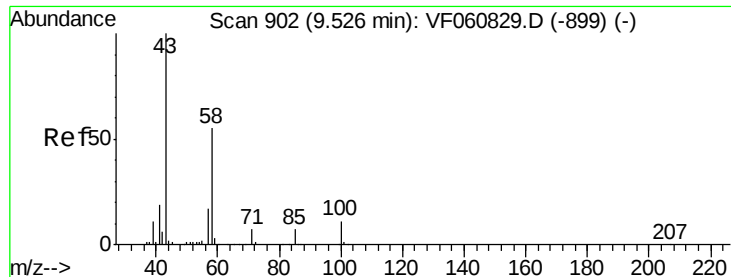
106 29.9 23.0 34.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

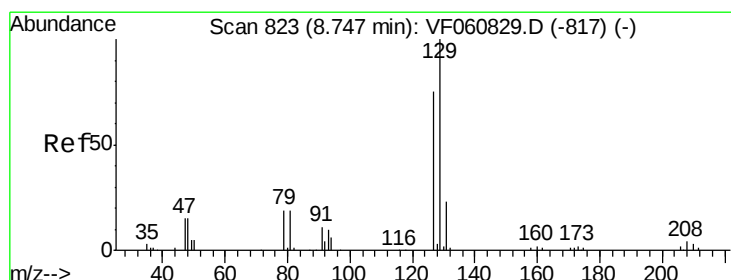
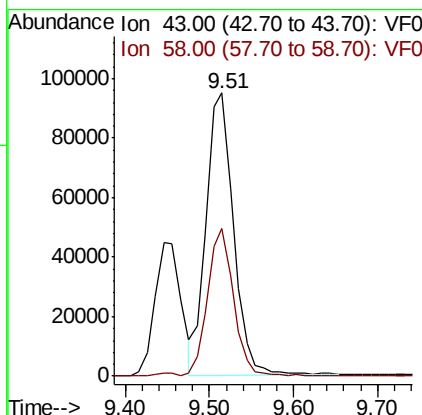
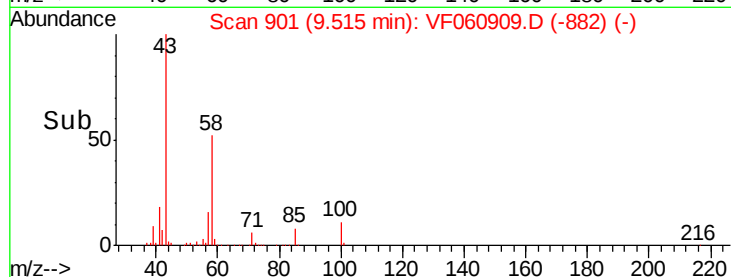
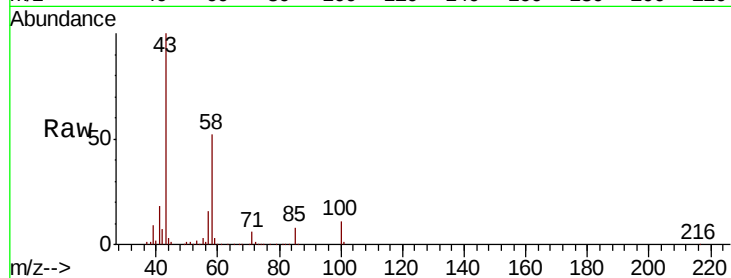




#59
2-Hexanone
Concen: 257.013 ug/l
RT: 9.51 min Scan# 901
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

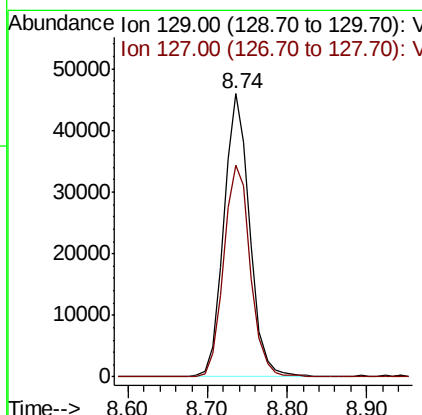
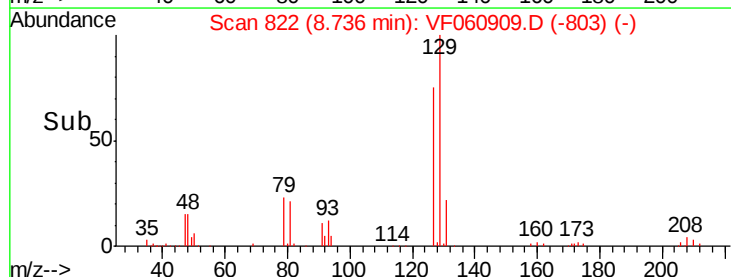
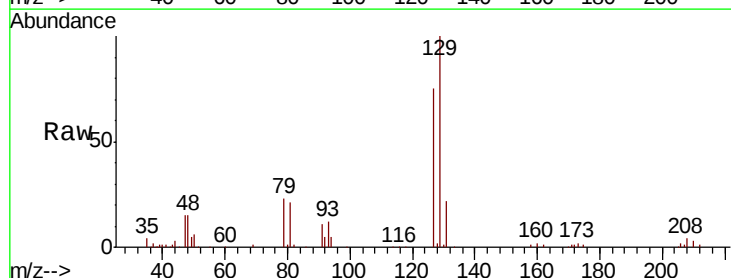
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

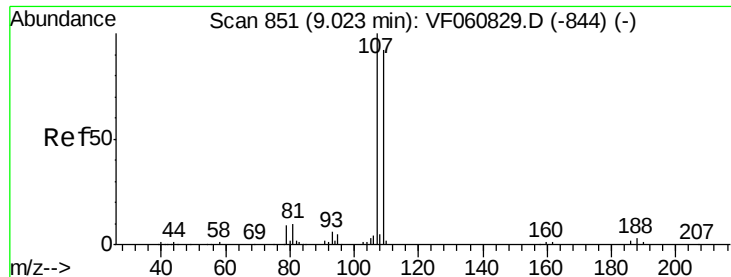
Tot Ion: 43 Resp: 214534
Ion Ratio Lower Upper
43 100
58 52.3 25.6 76.6



#60
Dibromochloromethane
Concen: 49.223 ug/l
RT: 8.74 min Scan# 822
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion: 129 Resp: 105290
Ion Ratio Lower Upper
129 100
127 74.9 37.3 111.9

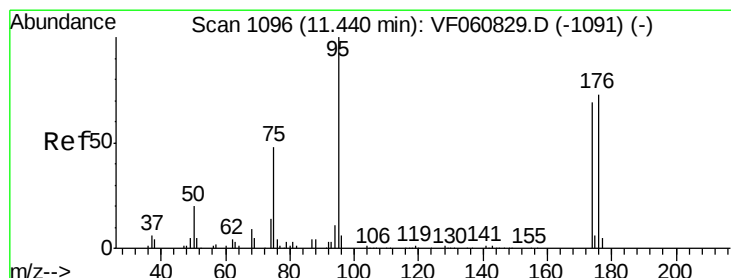
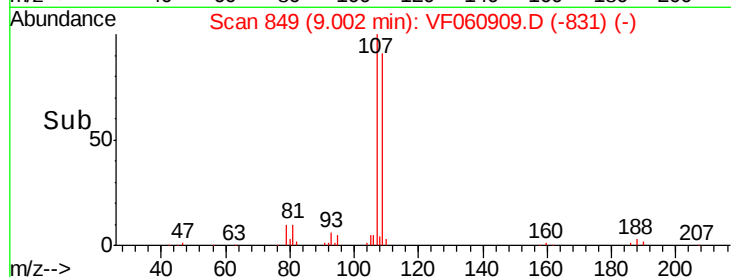
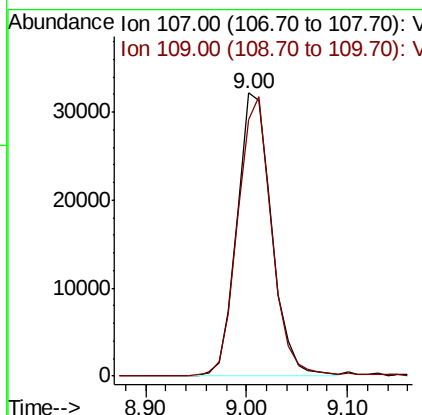
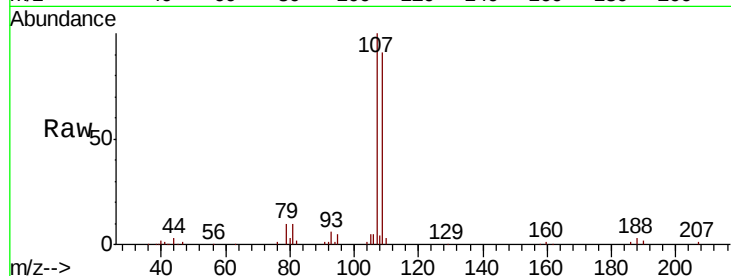




#61
 1,2-Dibromoethane
 Concen: 49.421 ug/l
 RT: 9.00 min Scan# 849
 Delta R.T. -0.02 min
 Lab File: VF060909.D
 Acq: 4 Dec 2018 00:07

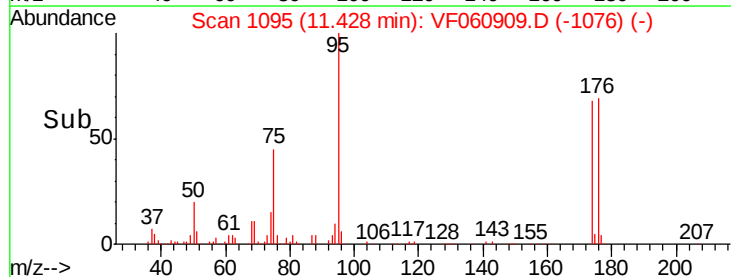
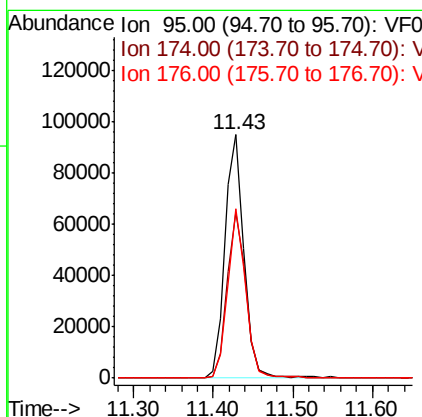
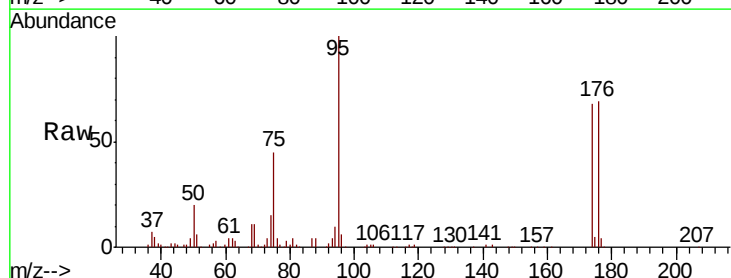
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

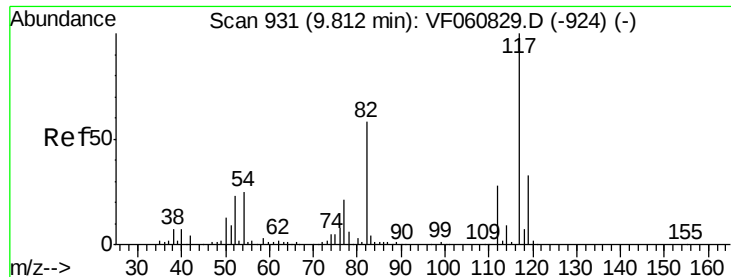
Tot Ion:107 Resp: 76647
 Ion Ratio Lower Upper
 107 100
 109 90.6 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 52.932 ug/l
 RT: 11.43 min Scan# 1095
 Delta R.T. -0.01 min
 Lab File: VF060909.D
 Acq: 4 Dec 2018 00:07

Tgt Ion: 95 Resp: 160927
 Ion Ratio Lower Upper
 95 100
 174 67.9 0.0 138.2
 176 69.4 0.0 146.2

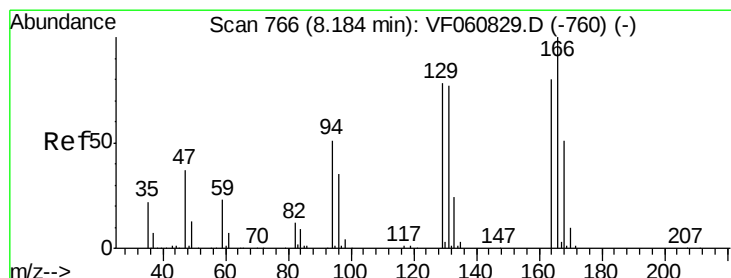
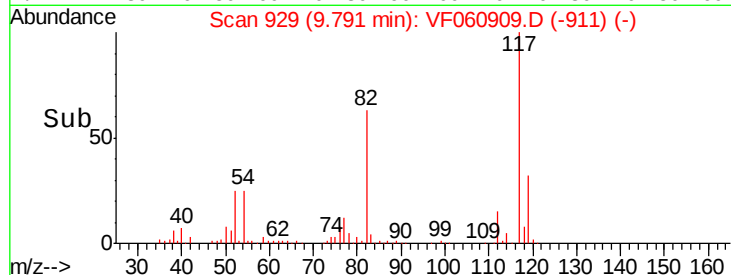
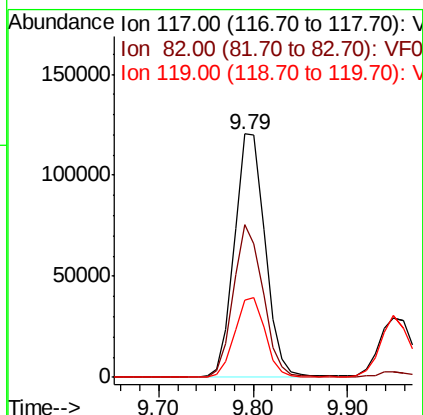
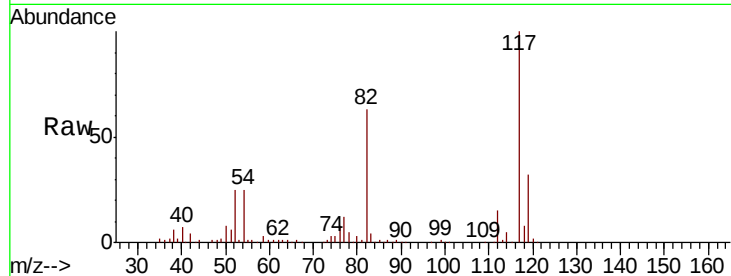




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.02 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

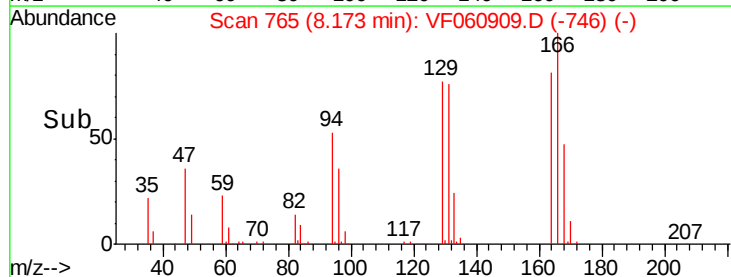
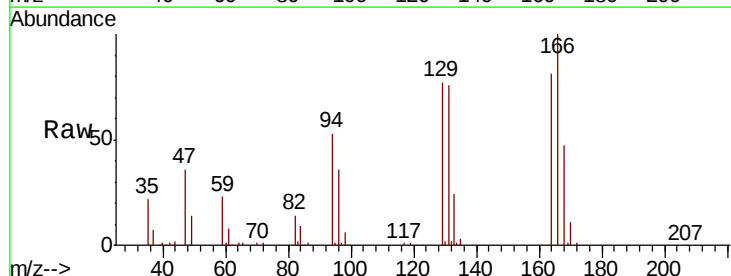
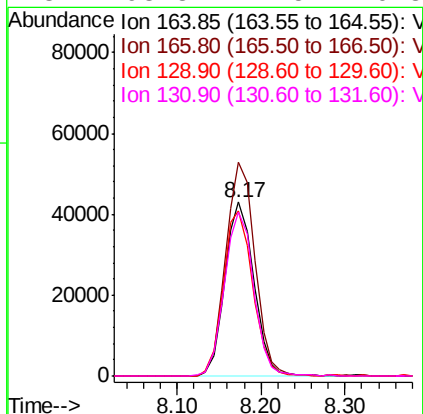
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 272936
Ion Ratio Lower Upper
117 100
82 62.6 46.6 69.8
119 31.9 26.4 39.6



#64
Tetrachloroethene
Concen: 49.498 ug/l
RT: 8.17 min Scan# 765
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion:164 Resp: 103188
Ion Ratio Lower Upper
164 100
166 122.7 100.3 150.5
129 95.1 77.9 116.9
131 93.8 77.5 116.3

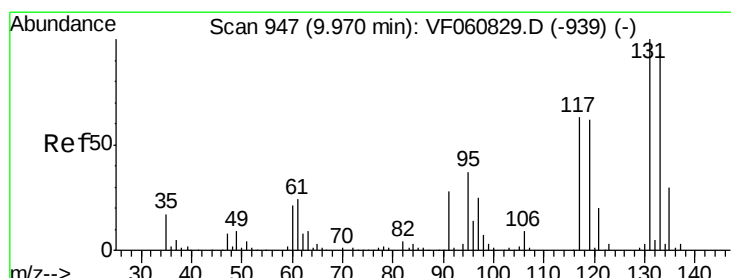
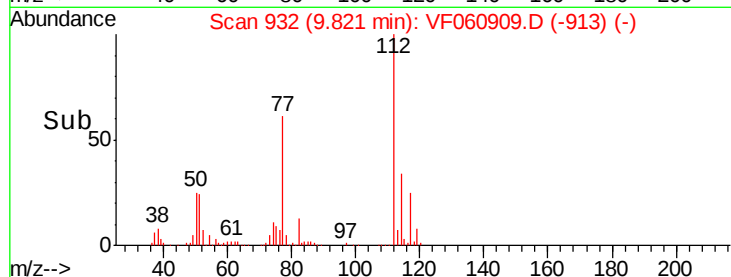
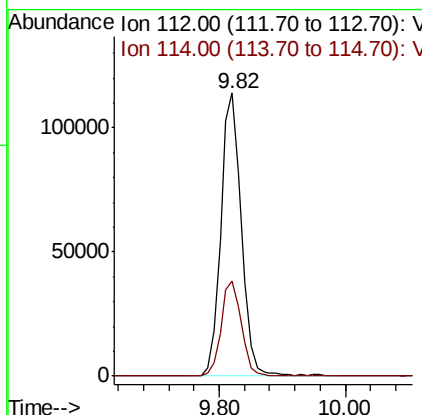
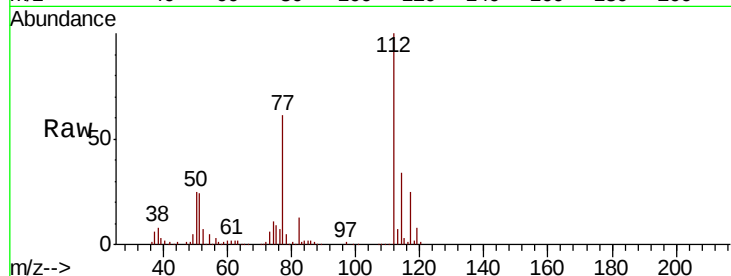




#65
Chlorobenzene
Concen: 48.652 ug/l
RT: 9.82 min Scan# 932
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

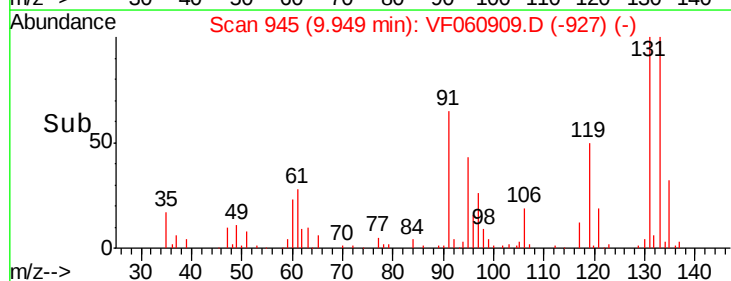
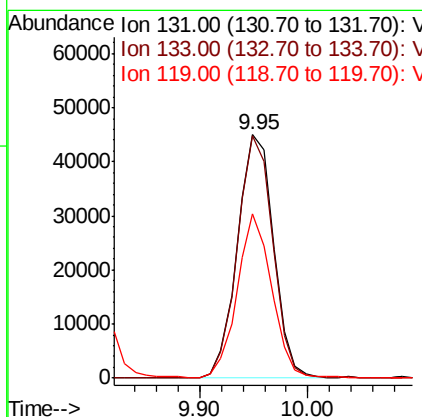
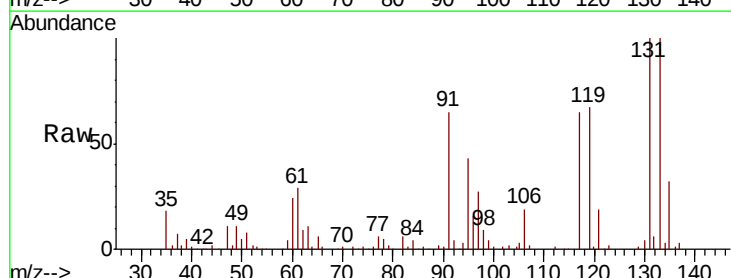
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 258327
Ion Ratio Lower Upper
112 100
114 33.7 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 46.076 ug/l
RT: 9.95 min Scan# 945
Delta R.T. -0.02 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion:131 Resp: 105174
Ion Ratio Lower Upper
131 100
133 99.6 46.5 139.3
119 67.4 31.1 93.3

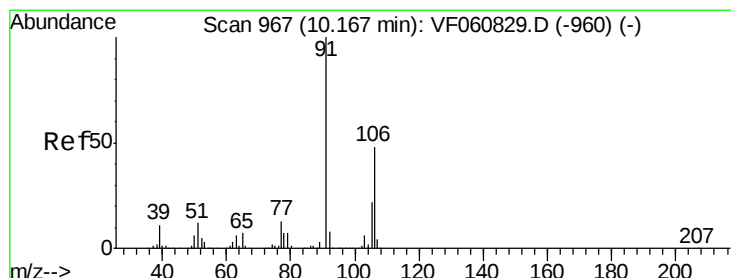
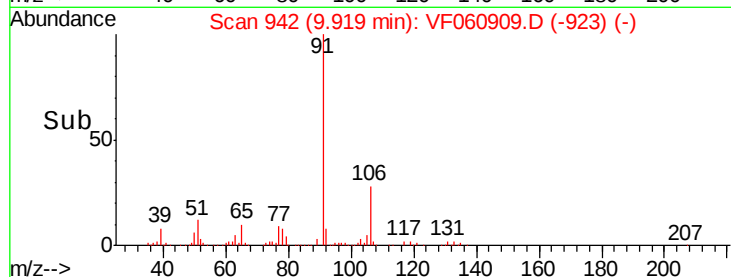
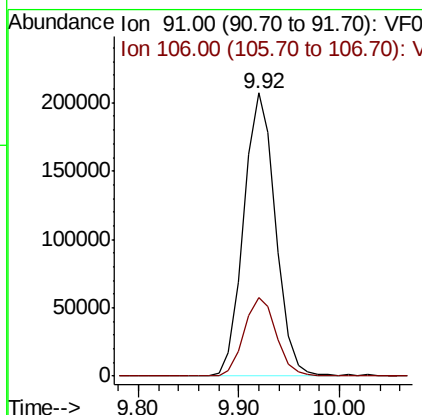
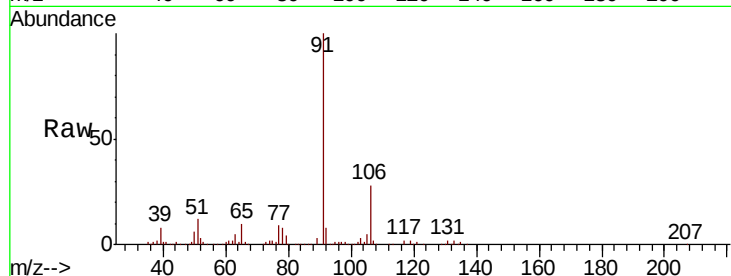




#67
Ethyl Benzene
Concen: 46.087 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

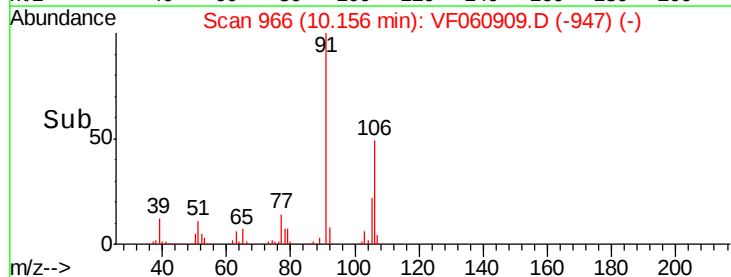
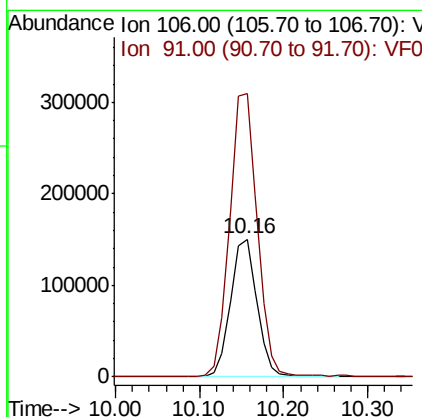
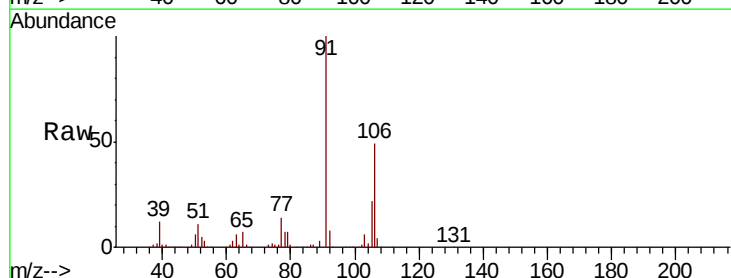
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

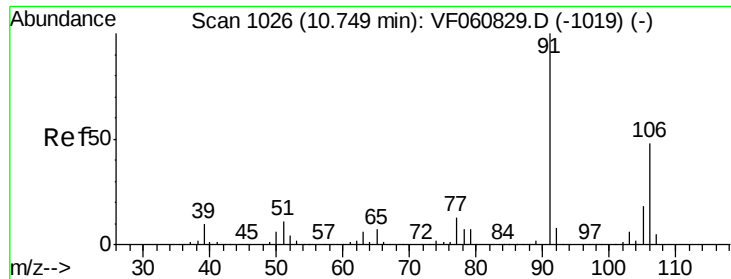
Tot Ion: 91 Resp: 455566
Ion Ratio Lower Upper
91 100
106 27.8 22.2 33.2



#68
m/p-Xylenes
Concen: 93.310 ug/l
RT: 10.16 min Scan# 966
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion: 106 Resp: 331739
Ion Ratio Lower Upper
106 100
91 205.4 166.7 250.1

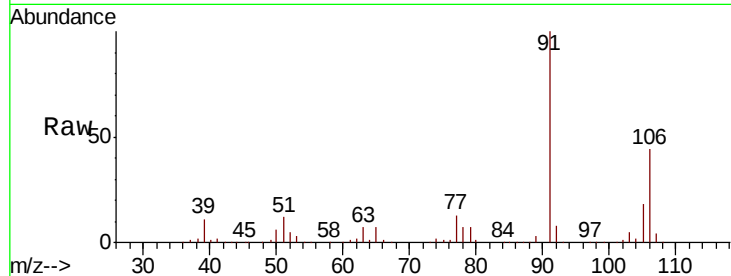




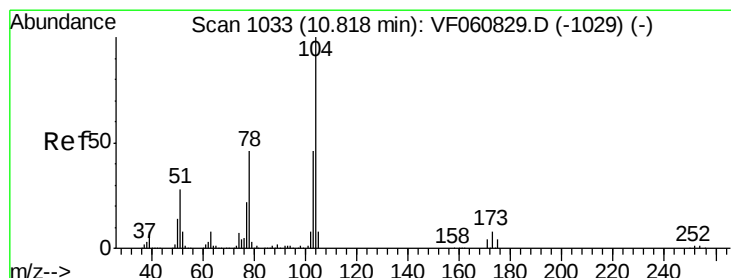
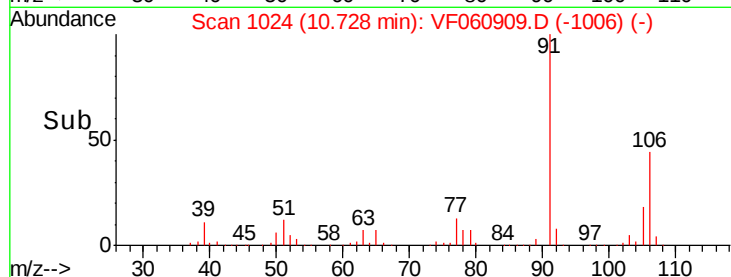
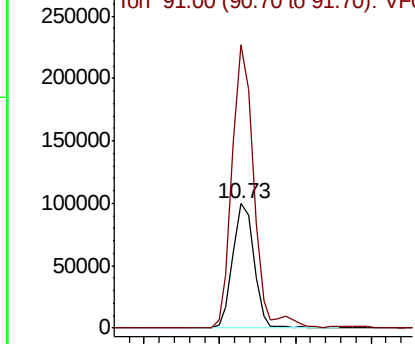
#69
o-Xylene
Concen: 49.536 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. -0.02 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 194199
Ion Ratio Lower Upper
106 100
91 227.9 104.8 314.6

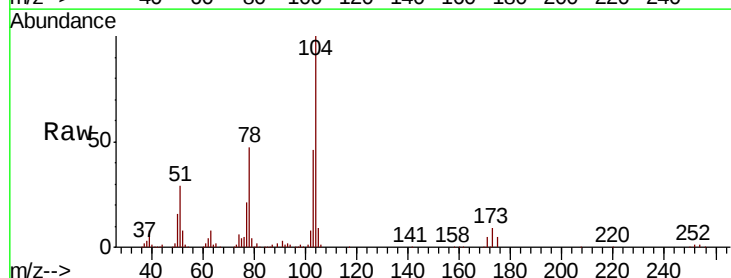


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

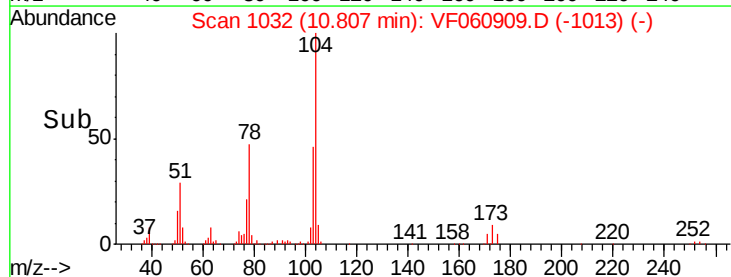
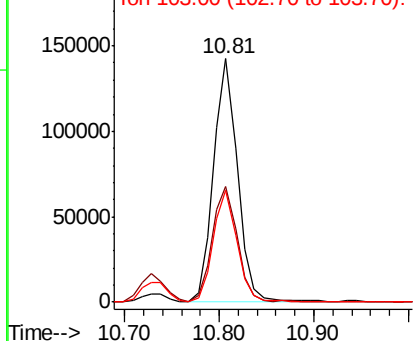


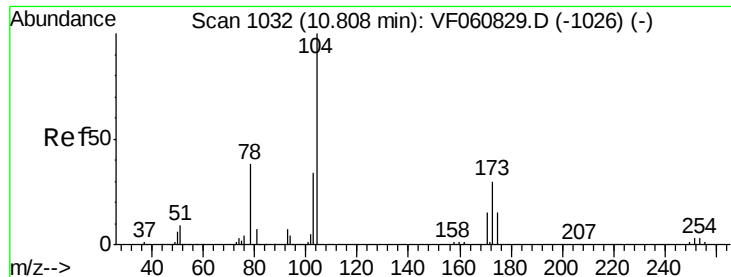
#70
Styrene
Concen: 46.042 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion:104 Resp: 250215
Ion Ratio Lower Upper
104 100
78 47.3 37.3 55.9
103 45.7 36.8 55.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 50.593 ug/l

RT: 10.79 min Scan# 1030

Delta R.T. -0.02 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

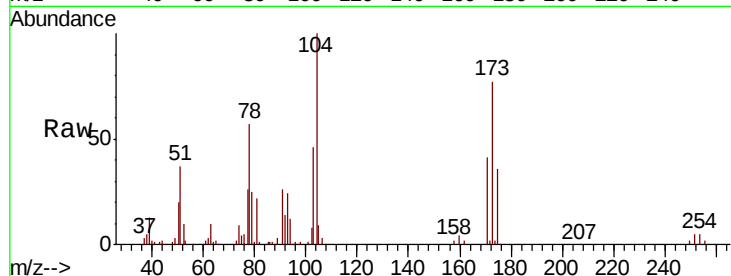
Tot Ion:173 Resp: 55782

Ion Ratio Lower Upper

173 100

175 47.1 25.5 76.5

254 0.0 7.5 11.3#

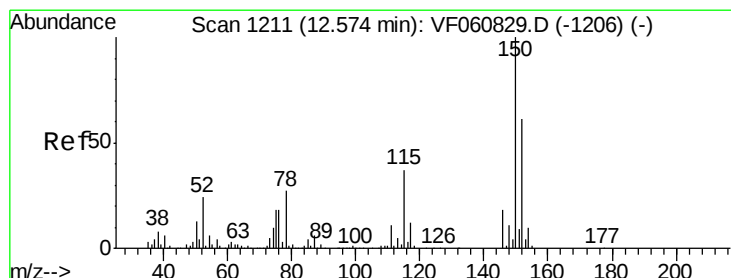
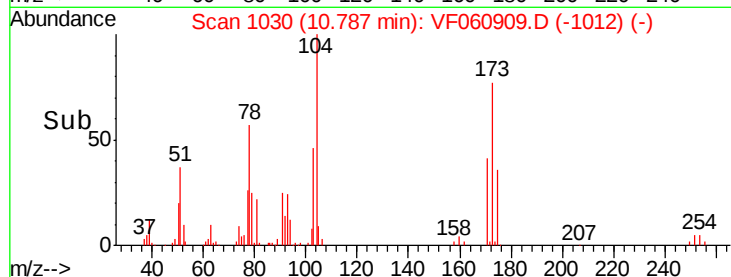
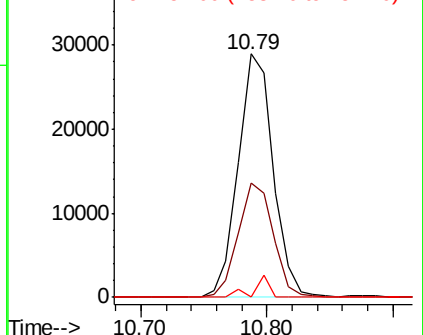


Abundance

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: 12.56 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

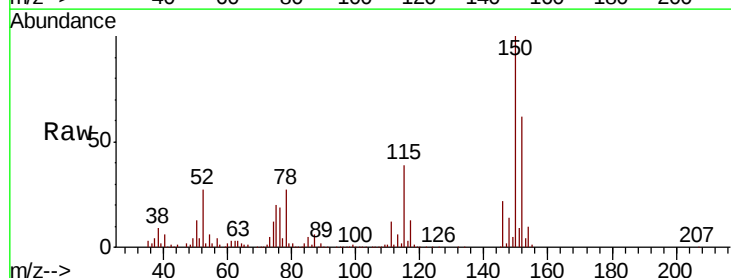
Tgt Ion:152 Resp: 135138

Ion Ratio Lower Upper

152 100

115 62.4 30.1 90.5

150 160.0 0.0 327.6

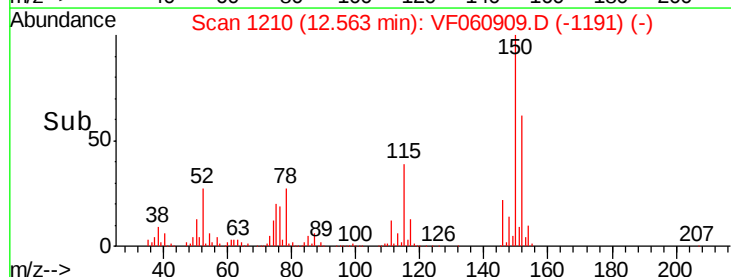
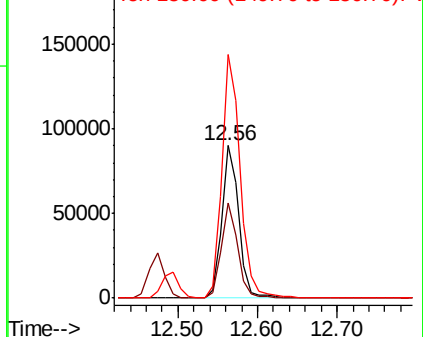


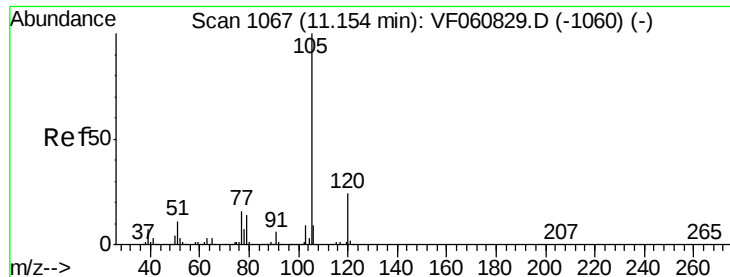
Abundance

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: 52.999 ug/l

RT: 11.14 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

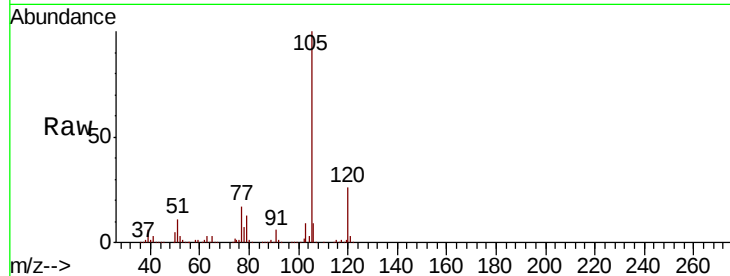
VSTDCCC050EC

Tot Ion:105 Resp: 565991

Ion Ratio Lower Upper

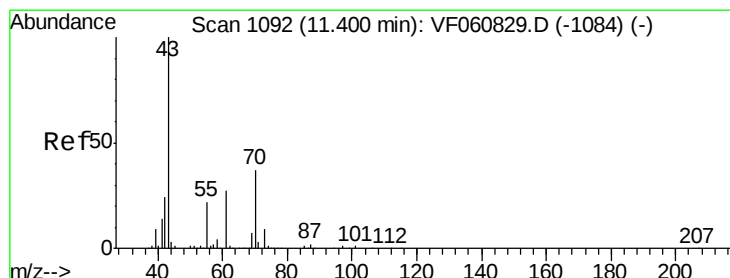
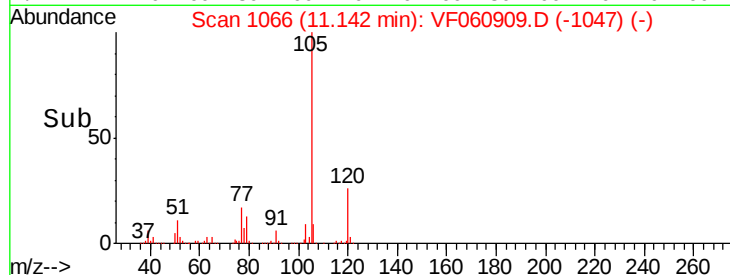
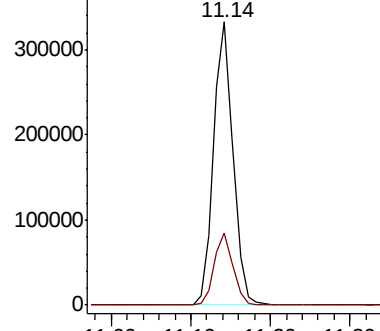
105 100

120 25.5 12.2 36.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.207 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Tgt Ion: 43 Resp: 131209

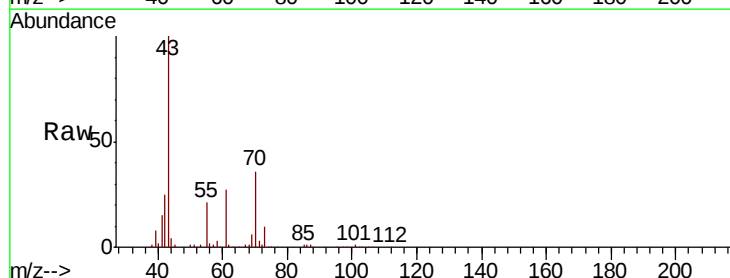
Ion Ratio Lower Upper

43 100

70 35.9 29.6 44.4

55 21.4 17.2 25.8

61 26.5 21.8 32.6

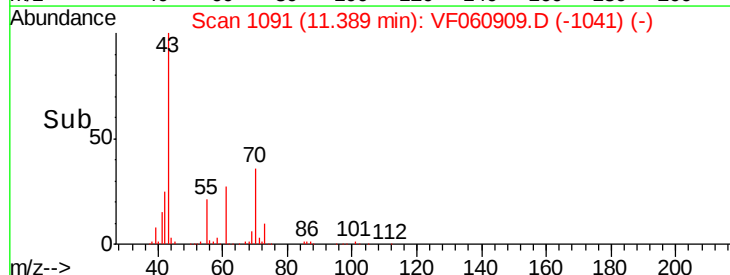
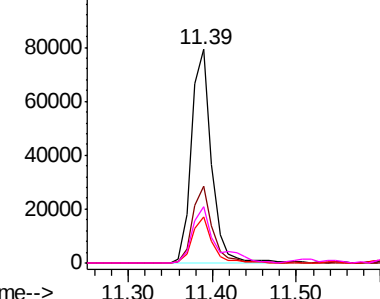


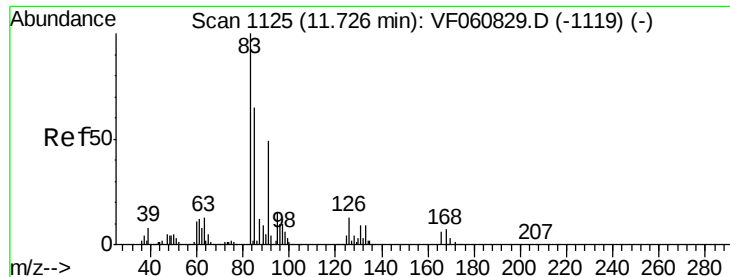
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 56.090 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

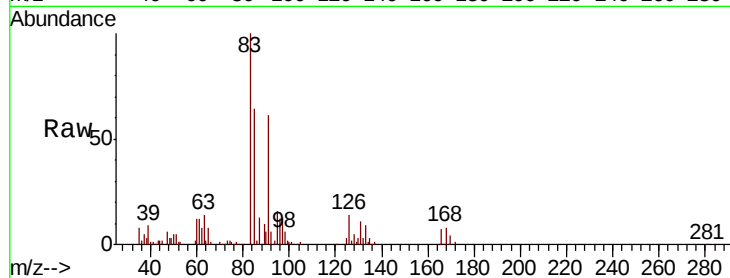
Tot Ion: 83 Resp: 98583

Ion Ratio Lower Upper

83 100

131 10.5 4.7 14.1

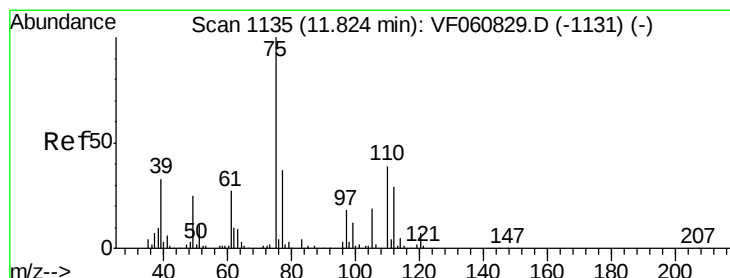
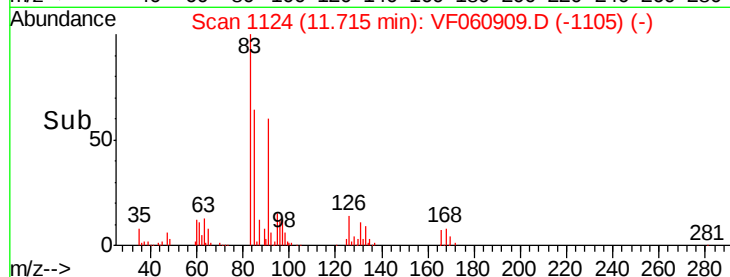
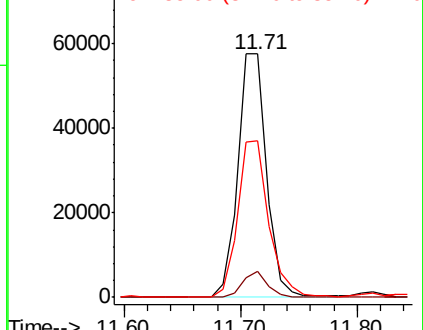
85 64.4 32.6 97.8



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: 55.350 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF060909.D

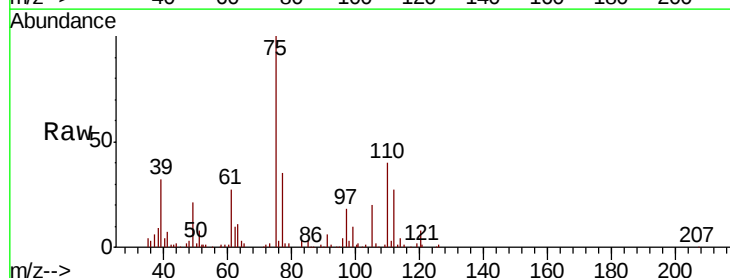
Acq: 4 Dec 2018 00:07

Tgt Ion: 75 Resp: 70711

Ion Ratio Lower Upper

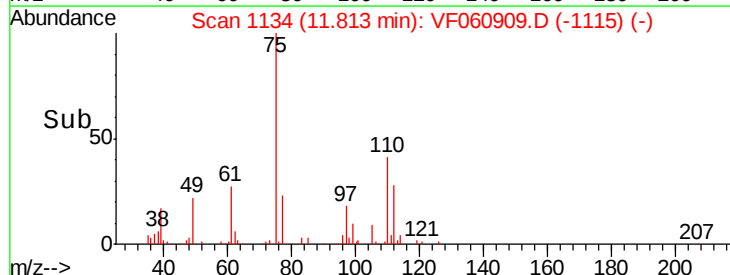
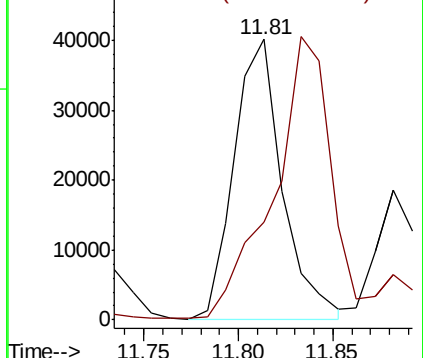
75 100

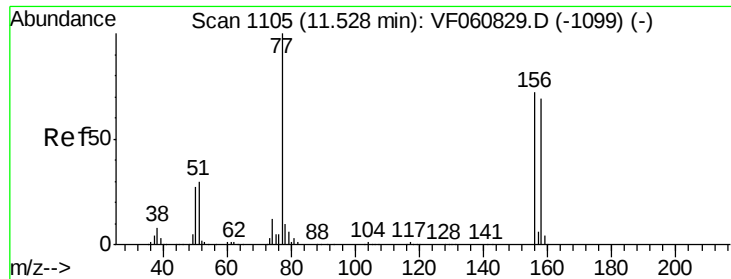
77 35.0 18.4 55.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 49.258 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. -0.02 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

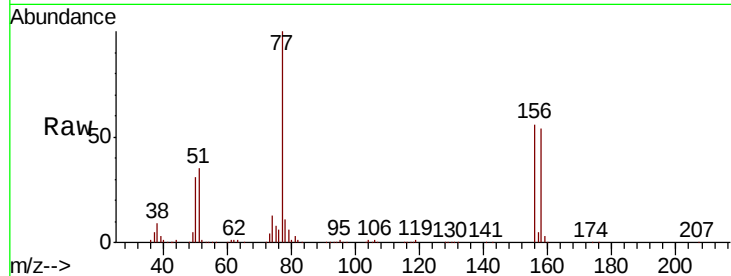
Tot Ion:156 Resp: 115328

Ion Ratio Lower Upper

156 100

77 179.3 69.7 209.0

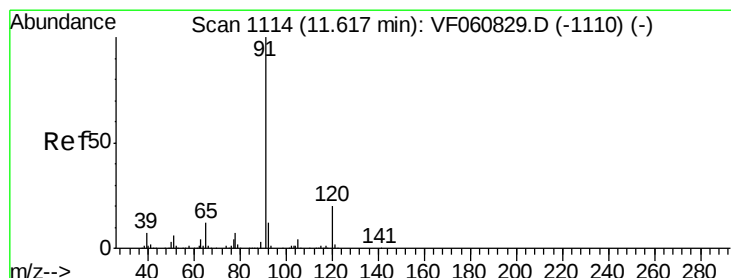
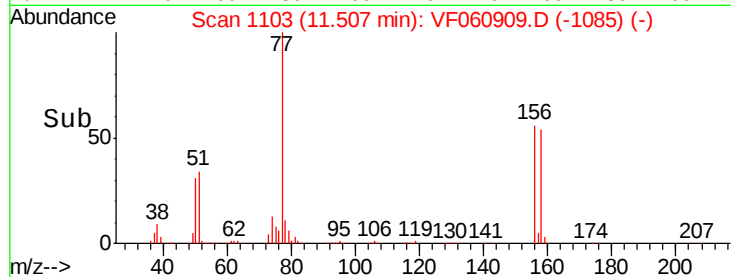
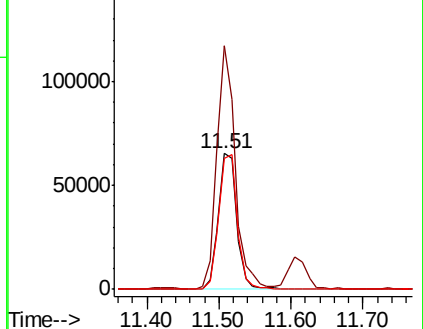
158 96.1 47.8 143.4



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: 49.215 ug/l

RT: 11.61 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060909.D

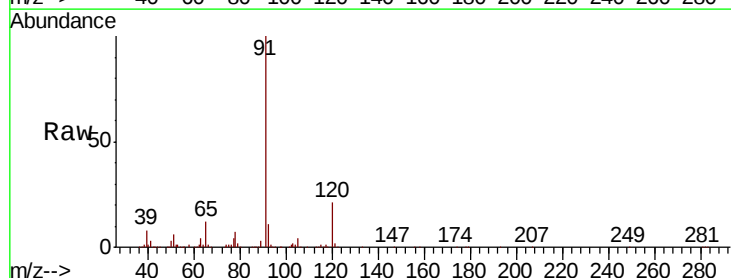
Acq: 4 Dec 2018 00:07

Tgt Ion: 91 Resp: 615499

Ion Ratio Lower Upper

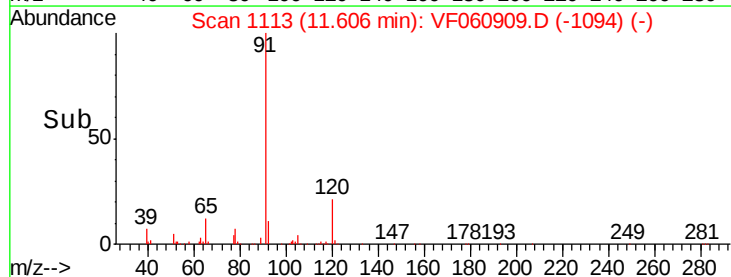
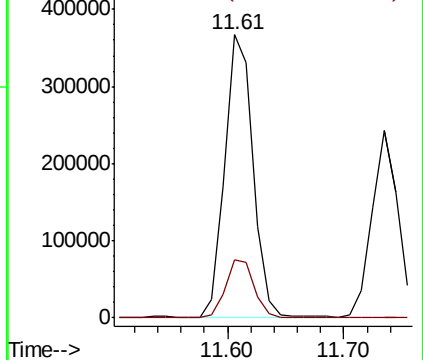
91 100

120 20.7 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.163 ug/l

RT: 11.73 min Scan# 1126

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

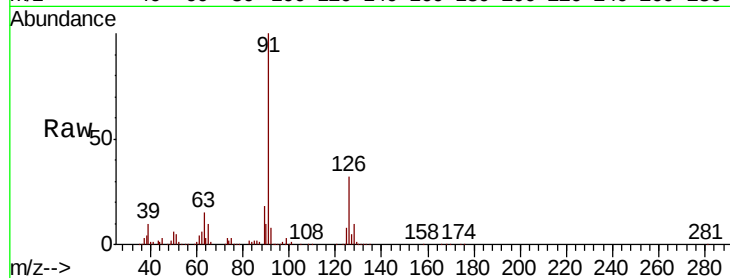
VSTDCCC050EC

Tot Ion: 91 Resp: 374059

Ion Ratio Lower Upper

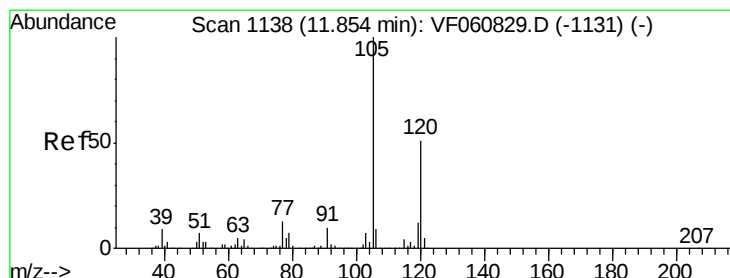
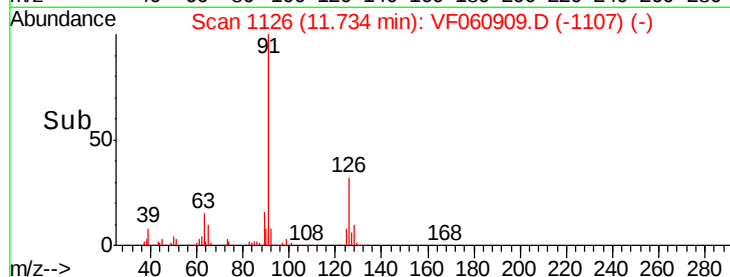
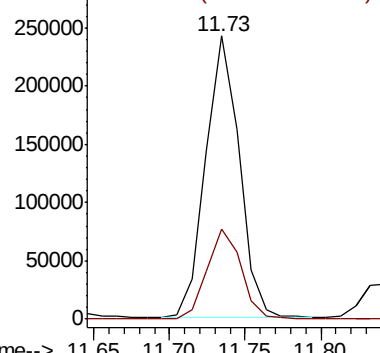
91 100

126 31.7 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 50.920 ug/l

RT: 11.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VF060909.D

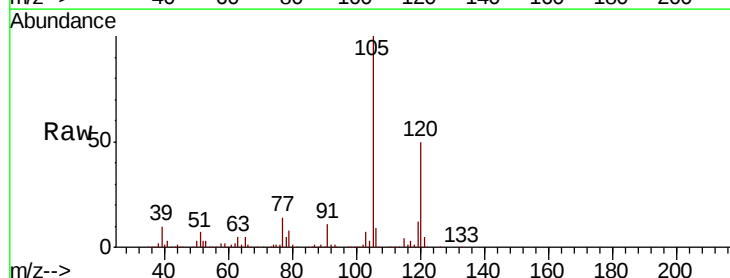
Acq: 4 Dec 2018 00:07

Tgt Ion: 105 Resp: 441459

Ion Ratio Lower Upper

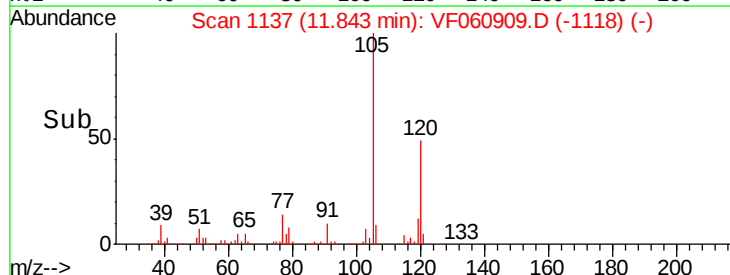
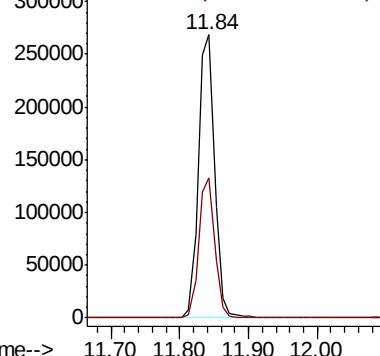
105 100

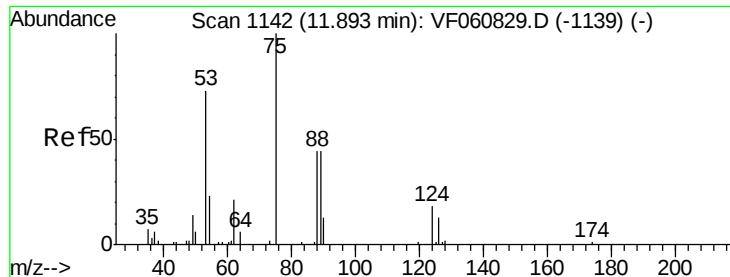
120 49.7 25.8 77.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 64.741 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

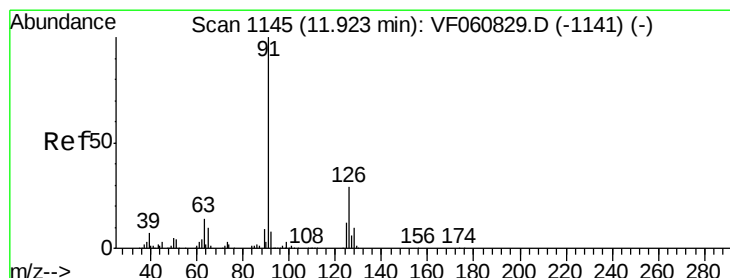
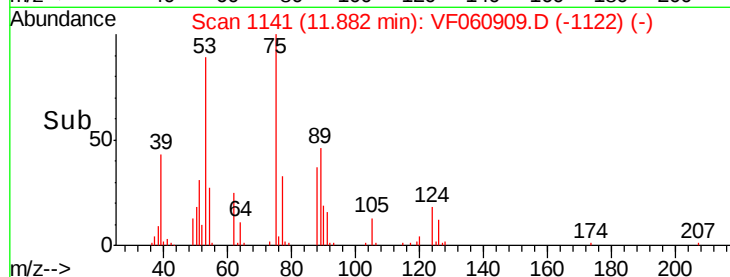
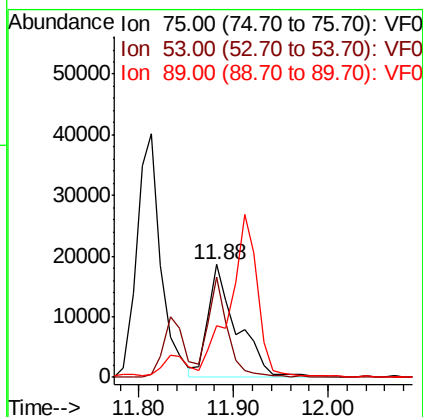
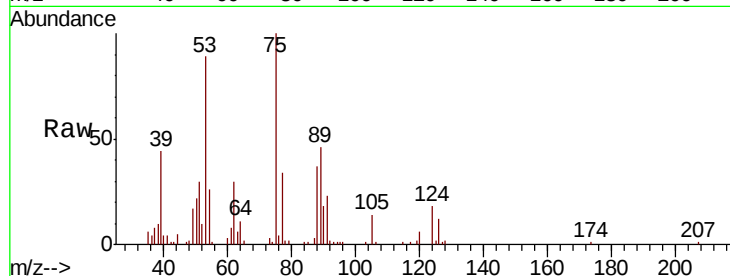
Tot Ion: 75 Resp: 40524

Ion Ratio Lower Upper

75 100

53 89.0 65.9 98.9

89 45.8 38.8 58.2



#82

4-Chlorotoluene

Concen: 48.424 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF060909.D

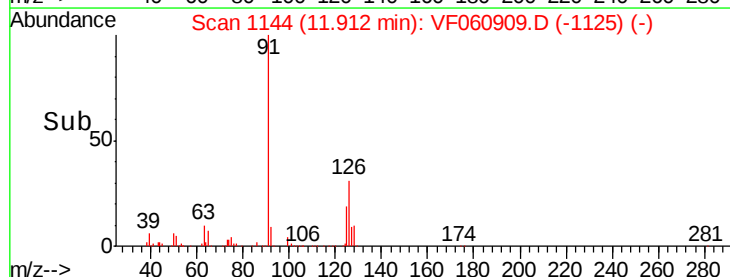
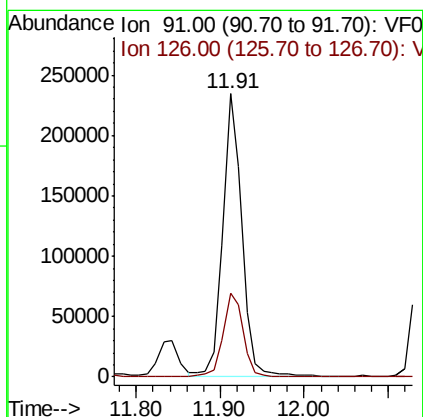
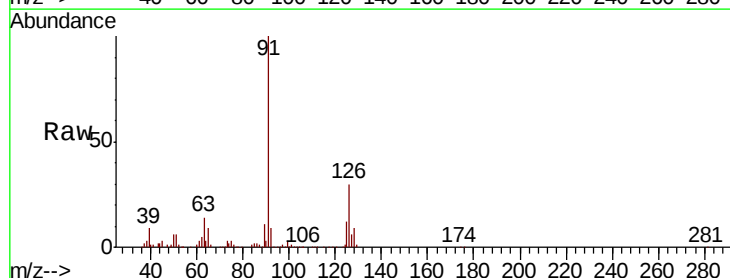
Acq: 4 Dec 2018 00:07

Tgt Ion: 91 Resp: 365435

Ion Ratio Lower Upper

91 100

126 29.5 14.8 44.4

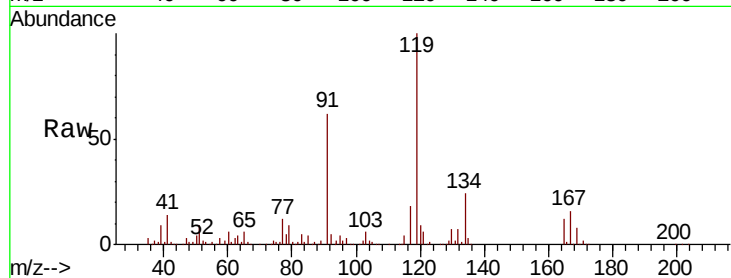




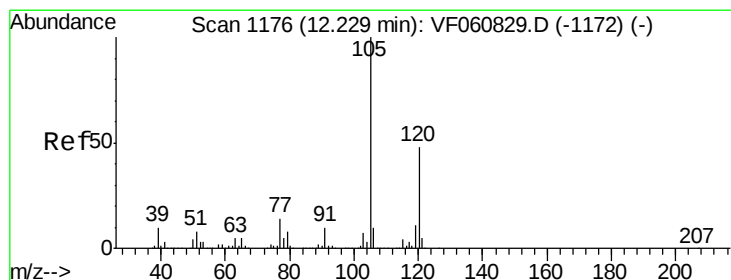
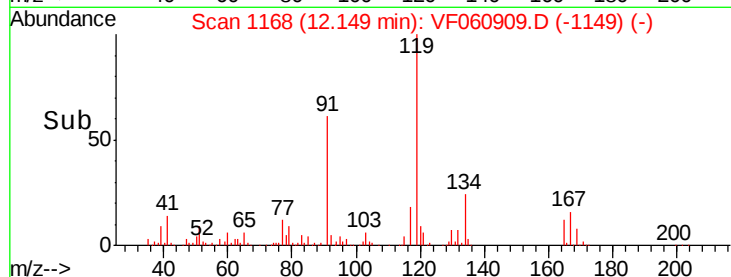
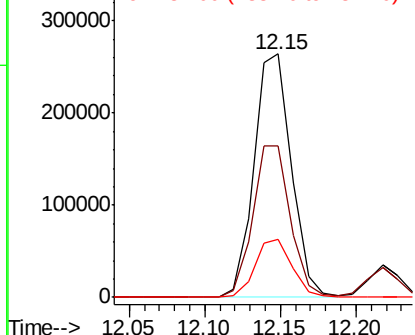
#83
tert-Butylbenzene
Concen: 51.411 ug/l
RT: 12.15 min Scan# 1168
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 454018
Ion Ratio Lower Upper
119 100
91 62.4 30.1 90.3
134 24.0 12.6 37.8

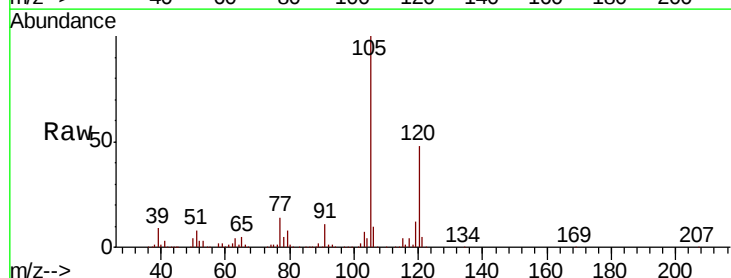


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

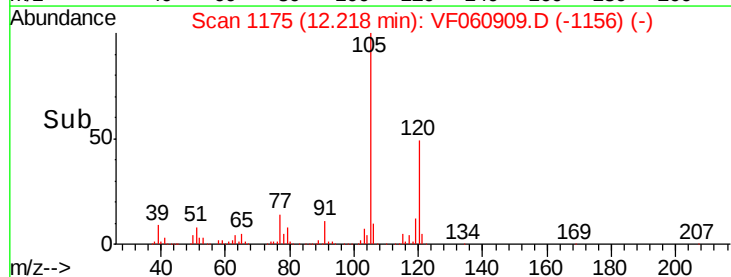
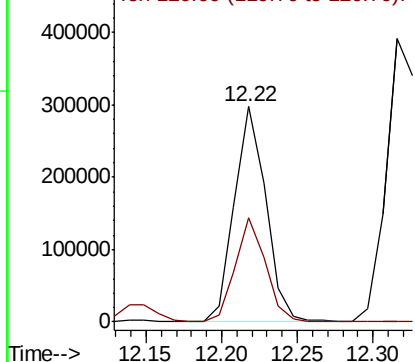


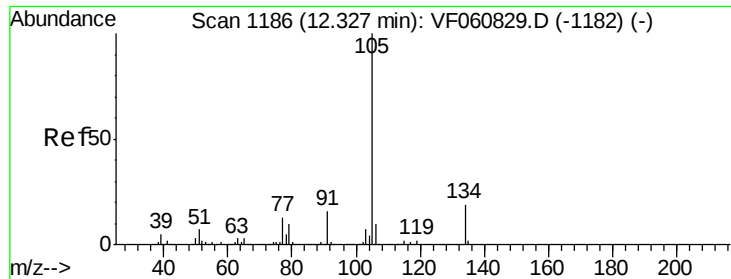
#84
1,2,4-Trimethylbenzene
Concen: 49.896 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion:105 Resp: 431728
Ion Ratio Lower Upper
105 100
120 48.5 23.8 71.5



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





#85

sec-Butylbenzene

Concen: 50.329 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

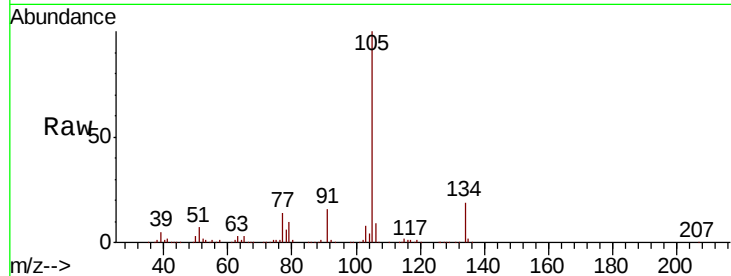
VSTDCCC050EC

Tot Ion:105 Resp: 608446

Ion Ratio Lower Upper

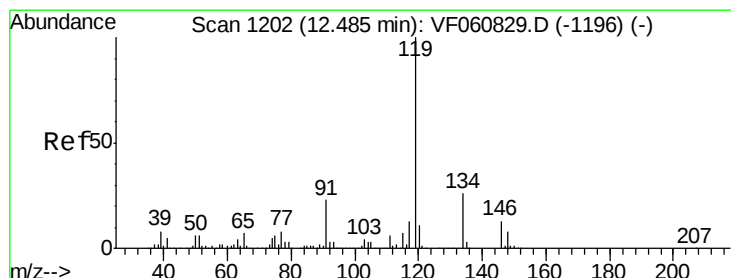
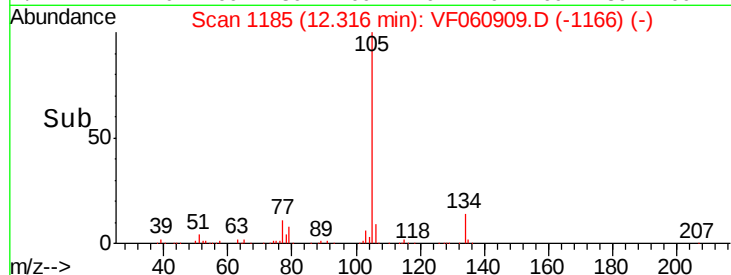
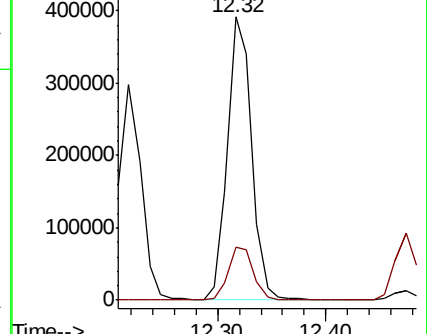
105 100

134 18.7 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.046 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

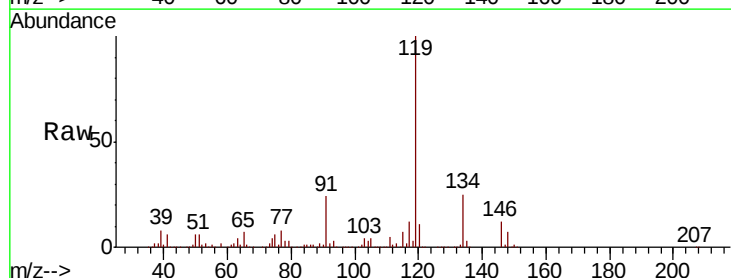
Tgt Ion:119 Resp: 517379

Ion Ratio Lower Upper

119 100

134 25.3 12.9 38.6

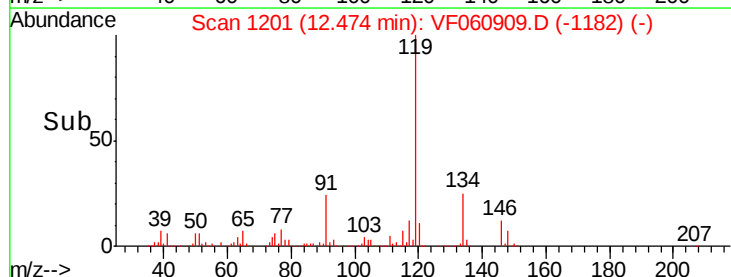
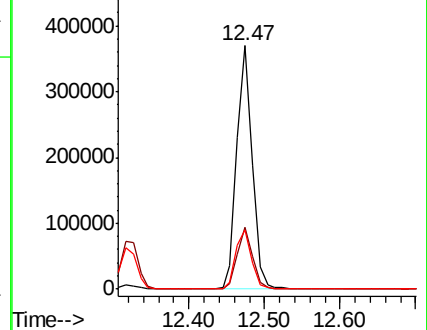
91 24.2 11.8 35.3

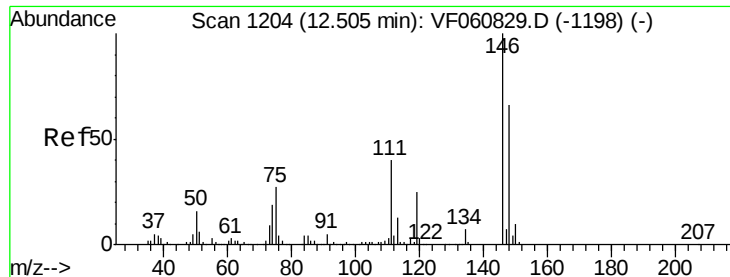


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 48.608 ug/l

RT: 12.49 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

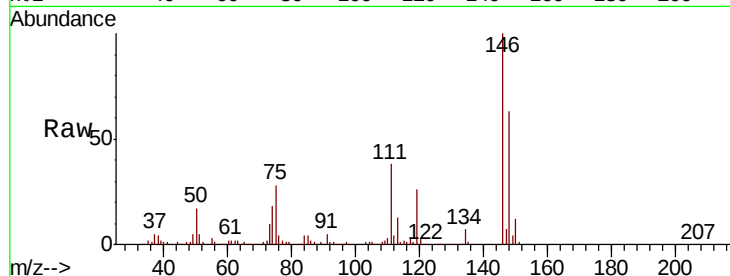
Tot Ion:146 Resp: 216478

Ion Ratio Lower Upper

146 100

111 38.0 20.0 59.9

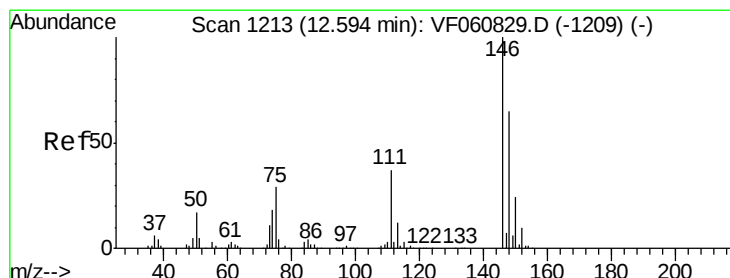
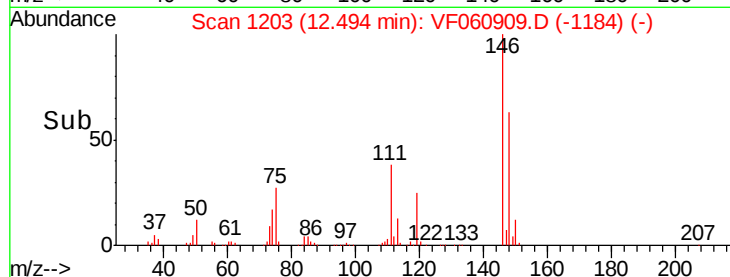
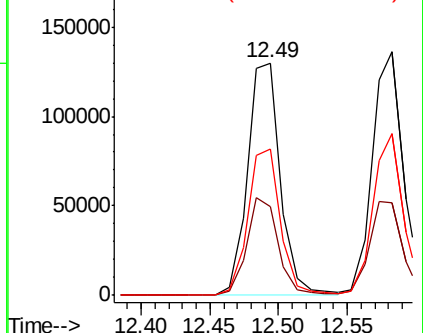
148 63.2 32.9 98.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 49.597 ug/l

RT: 12.58 min Scan# 1212

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

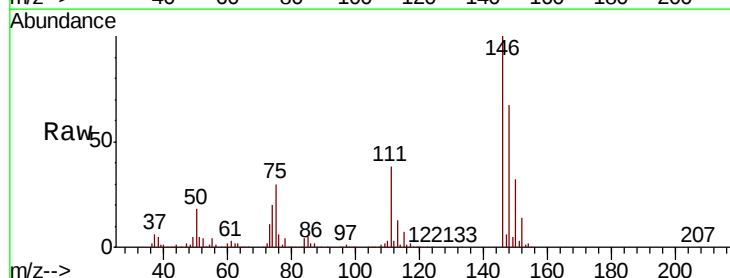
Tgt Ion:146 Resp: 215258

Ion Ratio Lower Upper

146 100

111 37.9 18.9 56.7

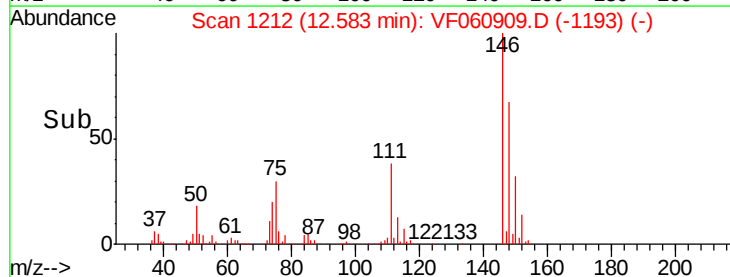
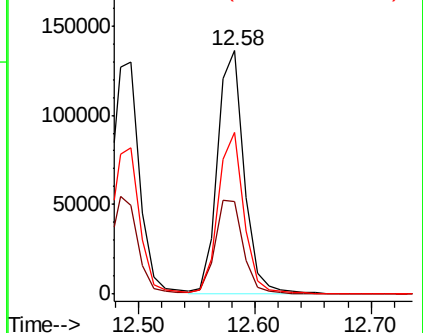
148 66.5 32.3 96.9

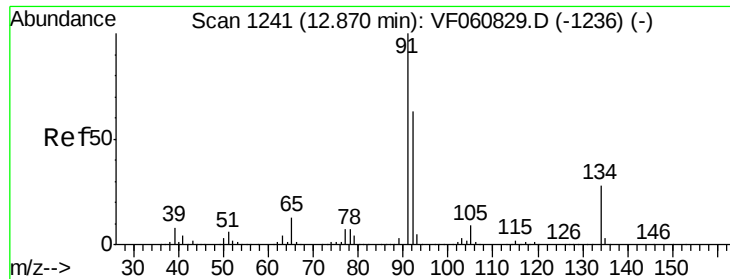


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

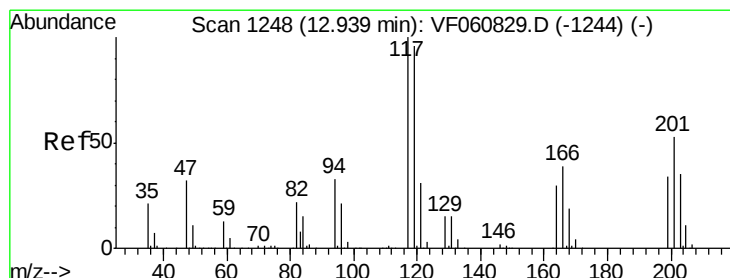
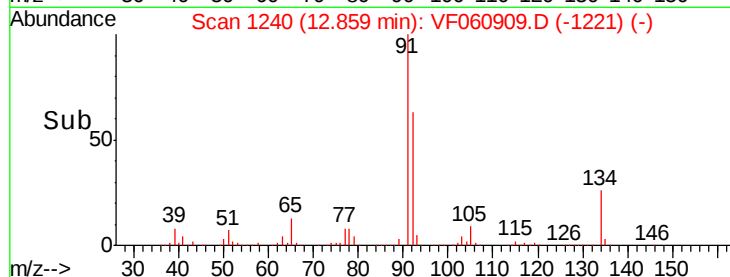
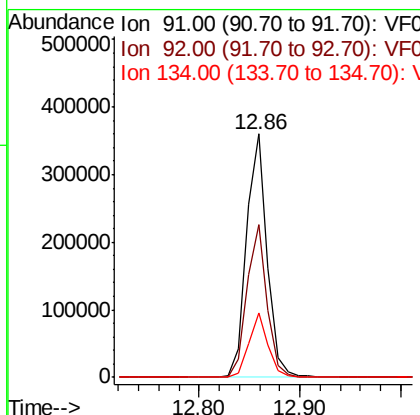
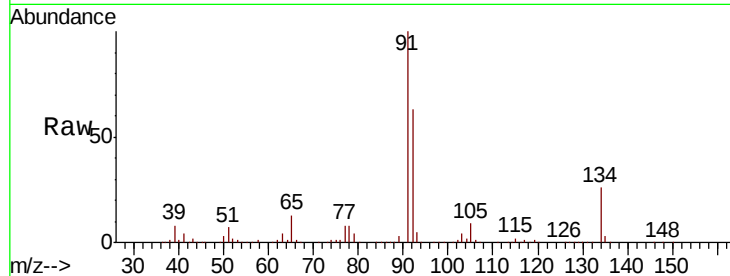




#89
n-Butylbenzene
Concen: 50.073 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

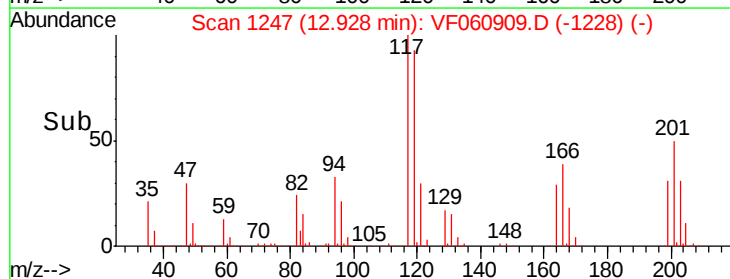
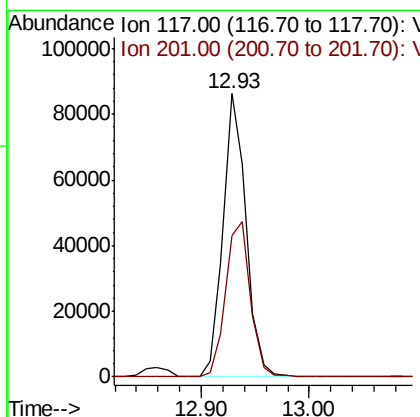
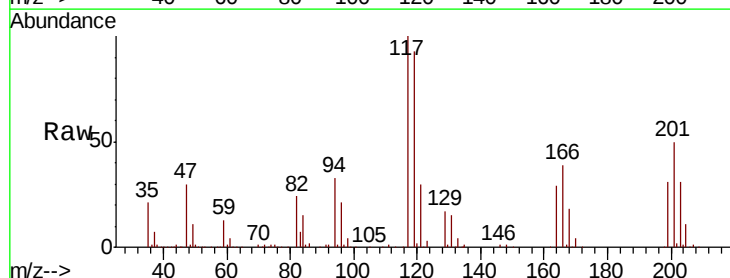
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

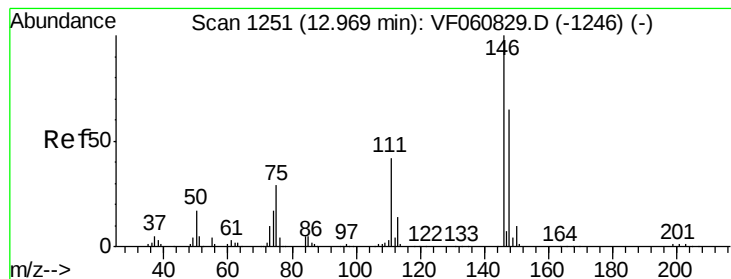
Tot Ion: 91 Resp: 513184
Ion Ratio Lower Upper
91 100
92 63.0 31.6 94.7
134 26.3 13.8 41.4



#90
Hexachloroethane
Concen: 52.380 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion: 117 Resp: 127844
Ion Ratio Lower Upper
117 100
201 49.8 26.7 80.1





#91

1,2-Dichlorobenzene

Concen: 50.605 ug/l

RT: 12.96 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

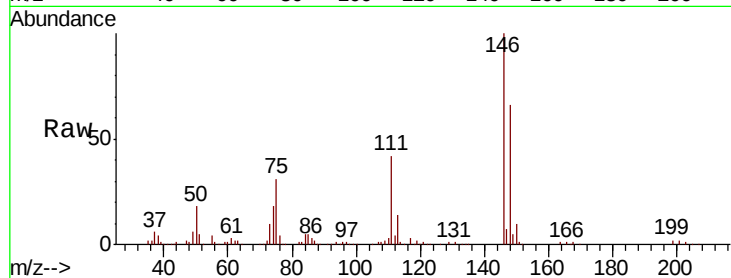
Tot Ion:146 Resp: 213425

Ion Ratio Lower Upper

146 100

111 42.3 21.2 63.6

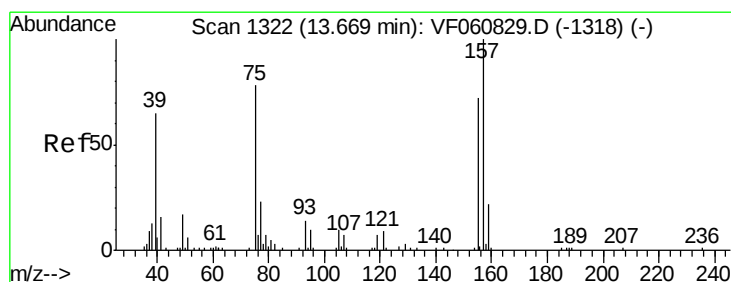
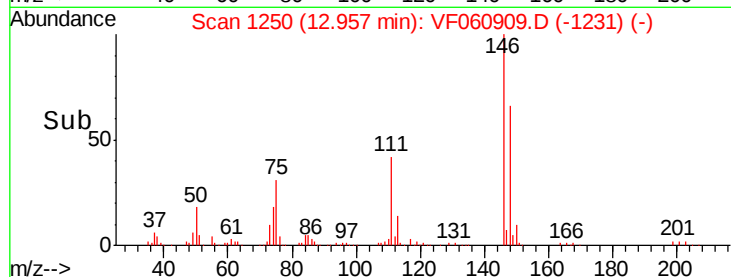
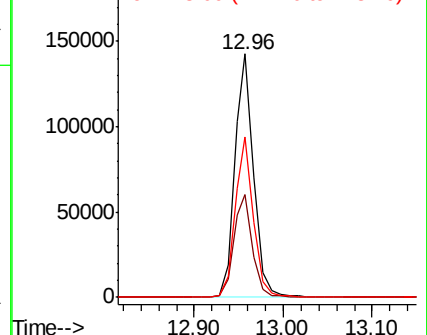
148 66.0 32.5 97.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 57.685 ug/l

RT: 13.66 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

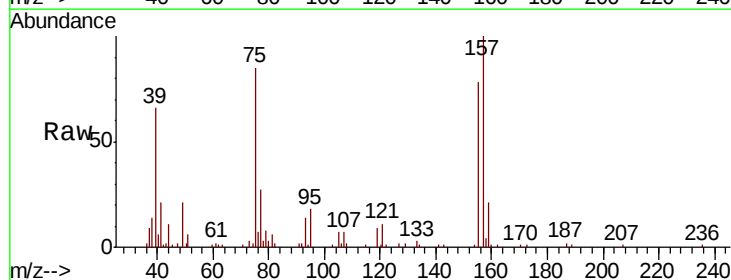
Tgt Ion: 75 Resp: 19602

Ion Ratio Lower Upper

75 100

155 92.0 45.6 136.9

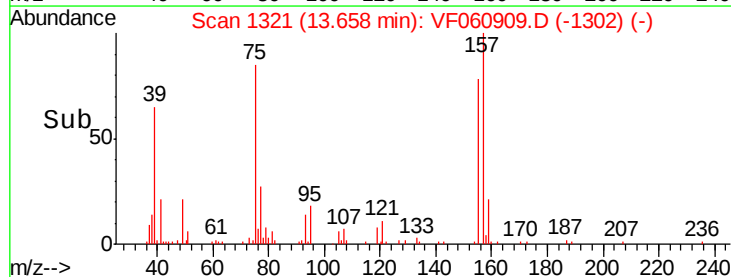
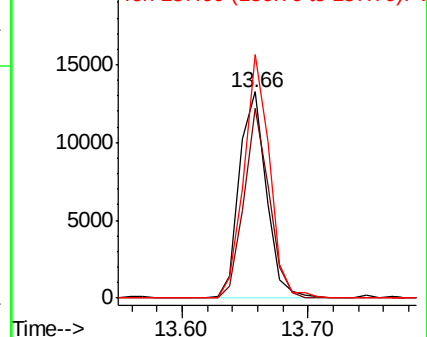
157 118.2 63.8 191.5

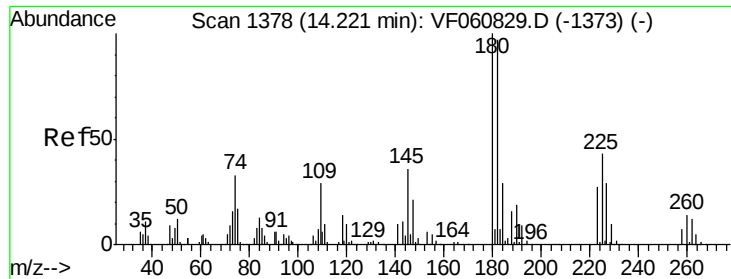


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

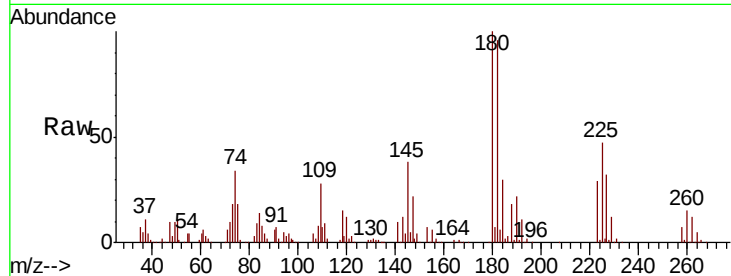




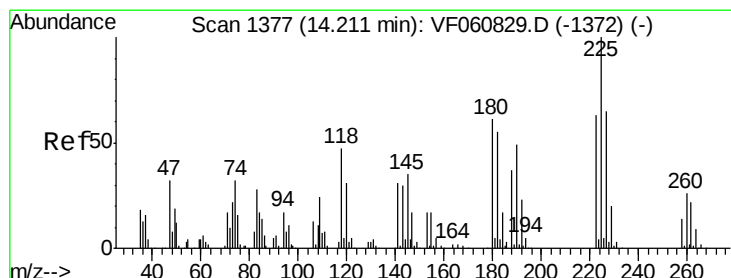
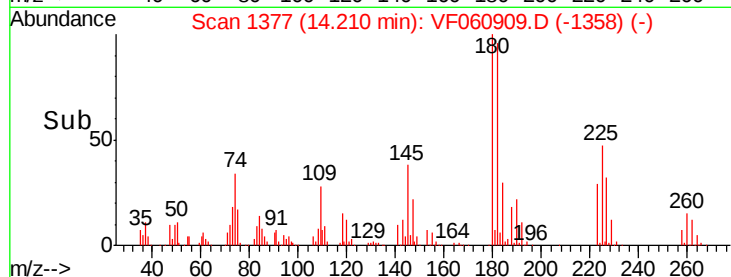
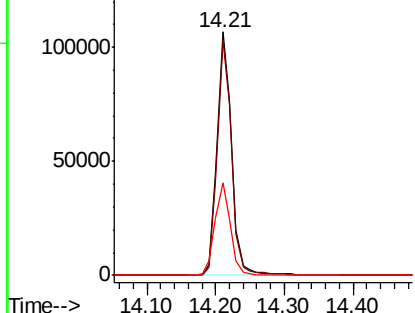
#93
 1,2,4-Trichlorobenzene
 Concen: 53.340 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: VF060909.D
 Acq: 4 Dec 2018 00:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 157184
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.5 145.5
 145 38.0 18.1 54.3

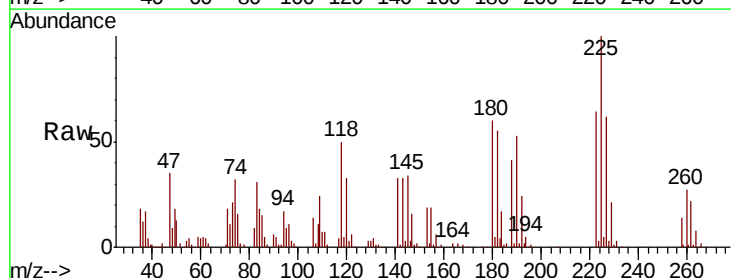


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

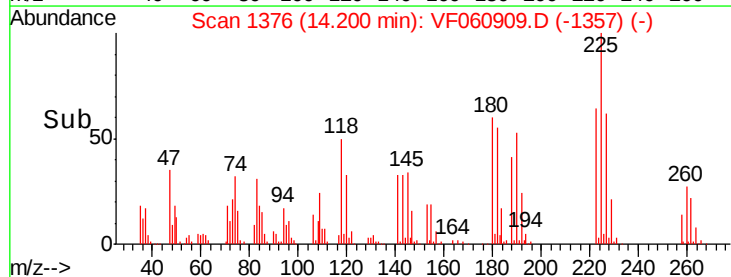
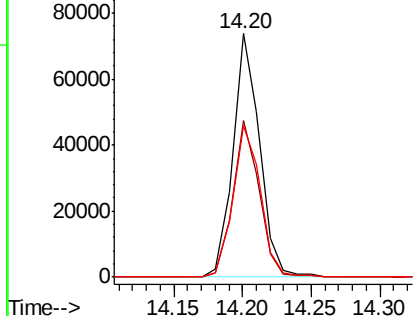


#94
 Hexachlorobutadiene
 Concen: 50.470 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF060909.D
 Acq: 4 Dec 2018 00:07

Tgt Ion:225 Resp: 99145
 Ion Ratio Lower Upper
 225 100
 223 64.4 31.4 94.3
 227 62.1 32.5 97.5



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

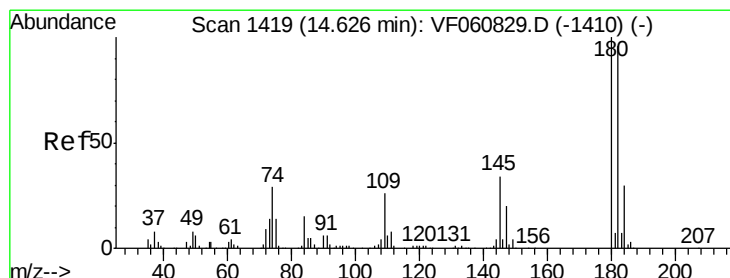
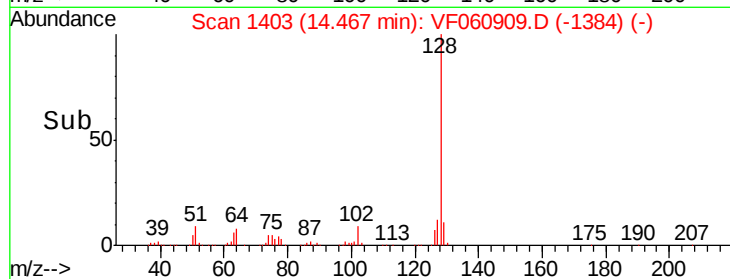
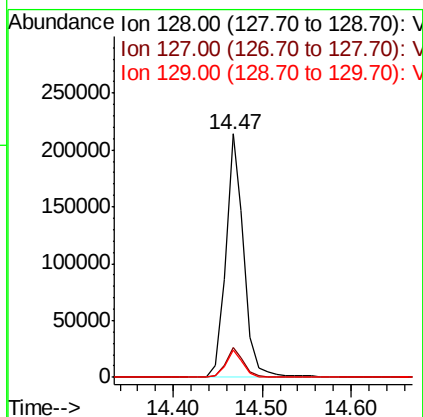
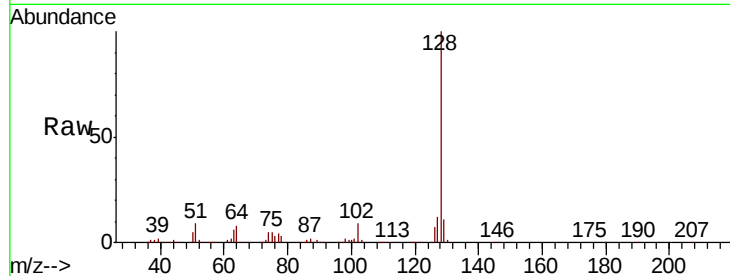




#95
Naphthalene
Concen: 53.620 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.9	14.9
129	11.1	9.1	13.7



#96
1,2,3-Trichlorobenzene
Concen: 54.639 ug/l
RT: 14.61 min Scan# 1418
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.9	143.8
145	36.5	17.2	51.5

