

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF100118\
 Data File : VF060391.D
 Acq On : 1 Oct 2018 19:09
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Quant Time: Oct 02 00:04:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 00:00:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	233559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	411101	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	355463	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	204327	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	284890	86.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	173.90%	
35) Dibromofluoromethane	4.27	113	280449	75.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	150.12%	
50) Toluene-d8	7.68	98	681781	71.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.16%	
62) 4-Bromofluorobenzene	11.49	95	305830	73.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	146.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	406946	90.969	ug/l	100
3) Chloromethane	1.12	50	246037	75.712	ug/l	99
4) Vinyl Chloride	1.17	62	247824	74.473	ug/l	91
5) Bromomethane	1.35	94	195778	84.828	ug/l	99
6) Chloroethane	1.43	64	134052	84.075	ug/l	97
7) Trichlorofluoromethane	1.53	101	584506	90.460	ug/l	98
8) Diethyl Ether	1.69	74	76633	74.966	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.89	101	267875	80.169	ug/l	93
10) Methyl Iodide	1.97	142	335487	62.879	ug/l	94
11) Tert butyl alcohol	2.67	59	94669	451.555	ug/l #	88
12) 1,1-Dichloroethene	1.85	96	218269	80.591	ug/l	98
13) Acrolein	2.08	56	66236	551.971	ug/l	91
14) Allyl chloride	2.18	41	369826	79.006	ug/l	94
15) Acrylonitrile	3.06	53	152090	346.206	ug/l #	92
16) Acetone	2.33	43	311513	354.318	ug/l	98
17) Carbon Disulfide	1.89	76	657753	78.975	ug/l	99
18) Methyl Acetate	2.43	43	113231	75.141	ug/l	93
19) Methyl tert-butyl Ether	2.52	73	559318	82.262	ug/l	96
20) Methylene Chloride	2.26	84	78513	24.763	ug/l	95
21) trans-1,2-Dichloroethene	2.39	96	213364	75.881	ug/l	94
22) Diisopropyl ether	2.91	45	631815	72.143	ug/l	95
23) Vinyl Acetate	3.31	43	1292986	374.057	ug/l #	95
24) 1,1-Dichloroethane	2.98	63	408791	70.769	ug/l	99
25) 2-Butanone	4.48	43	348713	304.858	ug/l	99
26) 2,2-Dichloropropane	3.74	77	237631	72.931	ug/l	95
27) cis-1,2-Dichloroethene	3.61	96	231214	64.592	ug/l	95
28) Bromochloromethane	3.86	49	162064	72.079	ug/l	98
29) Tetrahydrofuran	4.22	42	149670	348.116	ug/l	99
30) Chloroform	4.01	83	532454	76.835	ug/l	94
31) Cyclohexane	3.83	56	301758	63.290	ug/l	92
32) 1,1,1-Trichloroethane	4.25	97	432230	77.842	ug/l	98
36) 1,1-Dichloropropene	4.43	75	357130	69.077	ug/l	97
37) Ethyl Acetate	4.26	43	147925	69.245	ug/l	92
38) Carbon Tetrachloride	4.14	117	494501	84.968	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	351566	64.714	ug/l	91
40) Benzene	4.78	78	742099	65.262	ug/l	99
41) Methacrylonitrile	4.89	41	78204	68.243	ug/l #	92
42) 1,2-Dichloroethane	5.09	62	354316	80.484	ug/l	99
43) Isopropyl Acetate	7.09	43	180747	70.209	ug/l #	100
44) Trichloroethene	5.65	130	224781	65.987	ug/l	99
45) 1,2-Dichloropropane	6.38	63	186928	63.100	ug/l	94
46) Dibromomethane	6.23	93	151232	69.884	ug/l	90
47) Bromodichloromethane	6.52	83	382981	73.288	ug/l	95
48) Methyl methacrylate	6.85	41	121681	66.454	ug/l	96
49) 1,4-Dioxane	6.84	88	22964	1417.125	ug/l #	77
51) 4-Methyl-2-Pentanone	8.38	43	615115	318.287	ug/l	95
52) Toluene	7.76	92	456322	62.886	ug/l	99
53) t-1,3-Dichloropropene	8.41	75	290751	69.794	ug/l	97
54) cis-1,3-Dichloropropene	7.43	75	354787	67.873	ug/l	97
55) 1,1,2-Trichloroethane	8.61	97	151668	68.888	ug/l	93
56) Ethyl methacrylate	8.73	69	187356	70.383	ug/l	96
57) 1,3-Dichloropropane	8.98	76	262822	71.786	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.76	63	82429	341.638	ug/l	100
59) 2-Hexanone	9.60	43	429186	314.075	ug/l	94
60) Dibromochloromethane	8.84	129	242282	73.019	ug/l	98
61) 1,2-Dibromoethane	9.11	107	176984	71.388	ug/l	97
64) Tetrachloroethene	8.28	164	204539	64.457	ug/l	98
65) Chlorobenzene	9.92	112	532746	66.875	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.04	131	232626	69.345	ug/l	98
67) Ethyl Benzene	10.01	91	969509	65.525	ug/l	100
68) m/p-Xylenes	10.25	106	671985	131.575	ug/l	97
69) o-Xylene	10.81	106	386688	67.653	ug/l	99
70) Styrene	10.88	104	524620	65.258	ug/l	97
71) Bromoform	10.87	173	132810	72.595	ug/l #	93
73) Isopropylbenzene	11.21	105	1126982	62.476	ug/l	99
74) N-amyl acetate	11.44	43	274131	70.148	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	219829	68.653	ug/l	92
76) 1,2,3-Trichloropropane	11.87	75	158795	68.546	ug/l	98
77) Bromobenzene	11.58	156	242023	62.103	ug/l	90
78) n-propylbenzene	11.67	91	1281228	59.811	ug/l	98
79) 2-Chlorotoluene	11.80	91	768801	62.234	ug/l	92
80) 1,3,5-Trimethylbenzene	11.90	105	936391	64.182	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.94	75	101727	84.156	ug/l	98
82) 4-Chlorotoluene	11.98	91	786754	63.665	ug/l	98
83) tert-Butylbenzene	12.20	119	918740	61.941	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	934819	62.755	ug/l	99
85) sec-Butylbenzene	12.37	105	1270143	62.187	ug/l	98
86) p-Isopropyltoluene	12.53	119	1051312	64.676	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	461950	63.132	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	470018	65.259	ug/l	96
89) n-Butylbenzene	12.90	91	1061981	61.343	ug/l	98
90) Hexachloroethane	12.98	117	276352	66.198	ug/l	75
91) 1,2-Dichlorobenzene	13.00	146	448420	64.020	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.70	75	46511	76.715	ug/l	87

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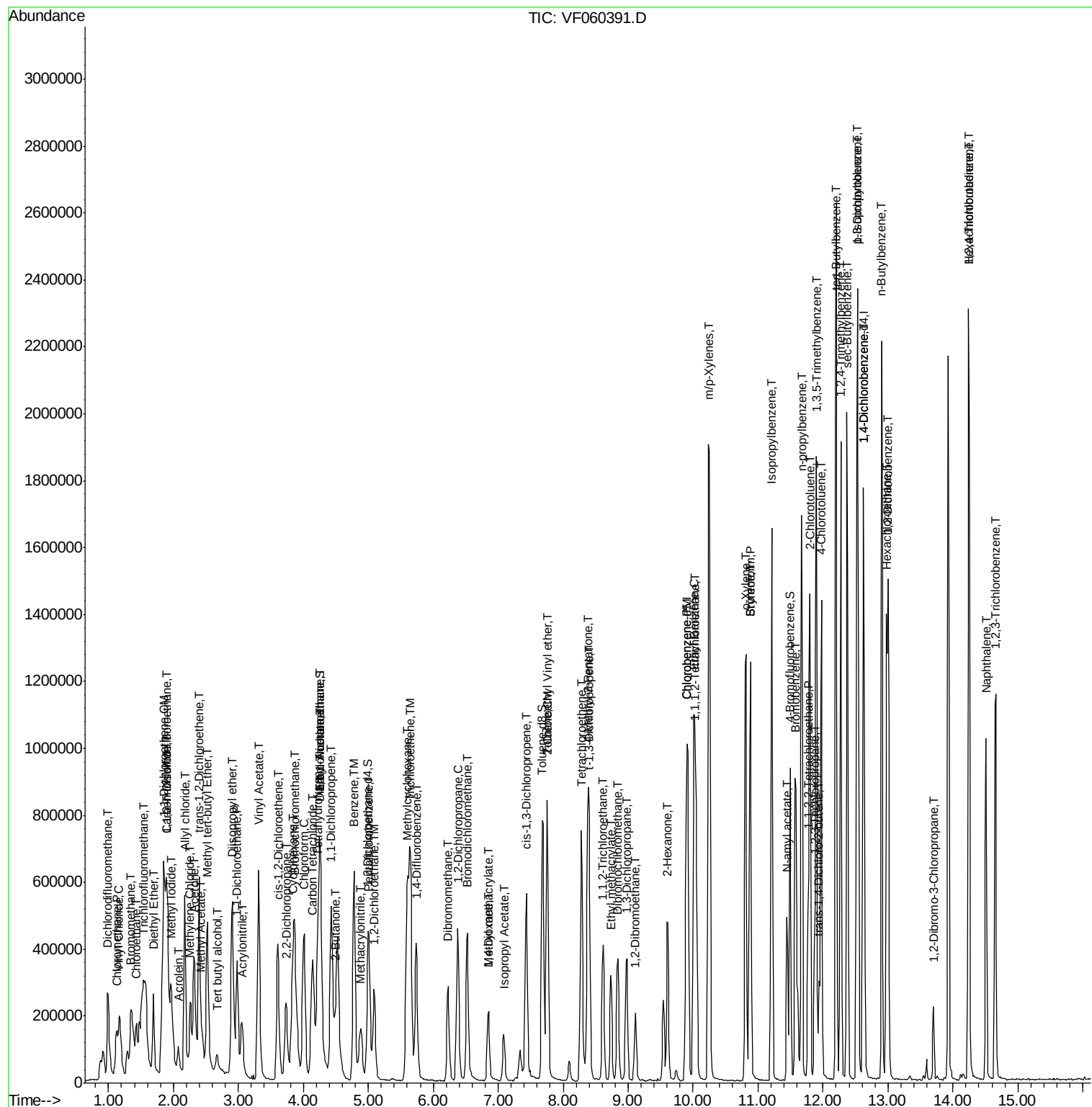
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	346700	67.802	ug/l	95
94) Hexachlorobutadiene	14.24	225	240977	69.782	ug/l	98
95) Naphthalene	14.51	128	674817	74.725	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	343805	72.916	ug/l	98

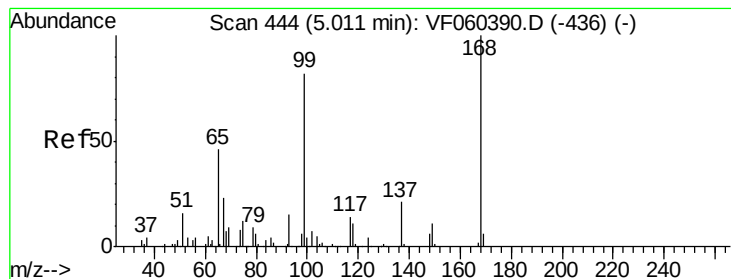
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

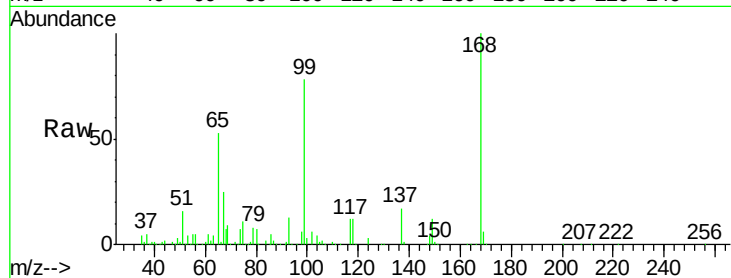
VSTDIC075

Tgt Ion:168 Resp: 233559

Ion Ratio Lower Upper

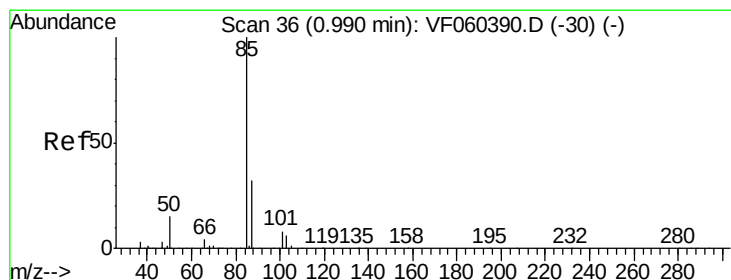
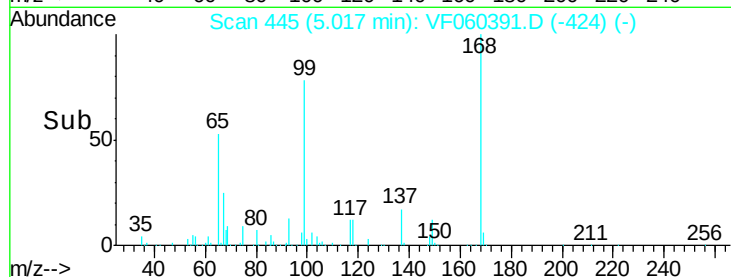
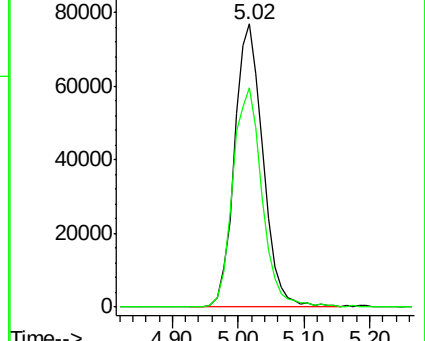
168 100

99 77.5 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 90.969 ug/l

RT: 0.99 min Scan# 36

Delta R.T. -0.00 min

Lab File: VF060391.D

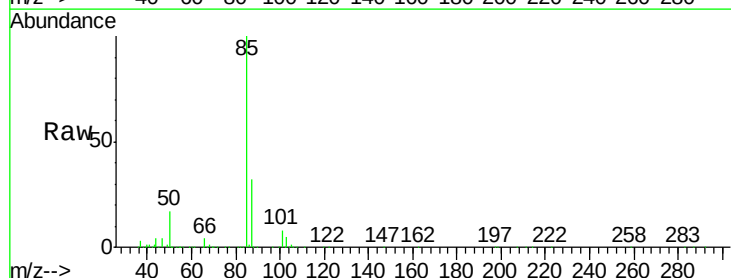
Acq: 1 Oct 2018 19:09

Tgt Ion: 85 Resp: 406946

Ion Ratio Lower Upper

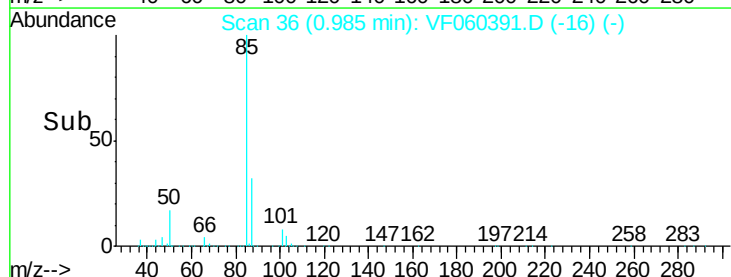
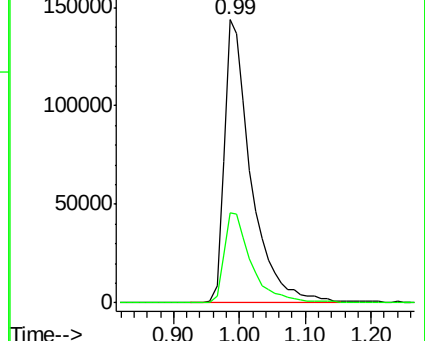
85 100

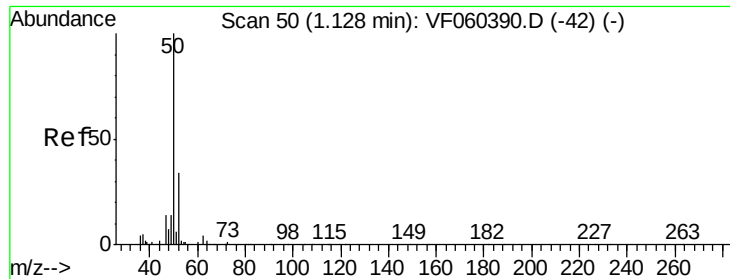
87 31.8 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 75.712 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

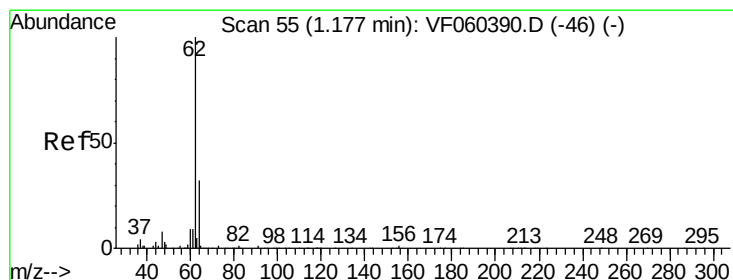
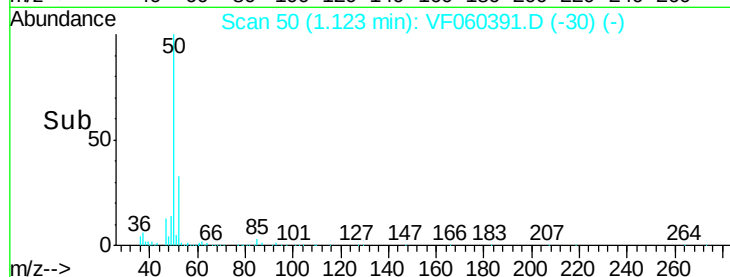
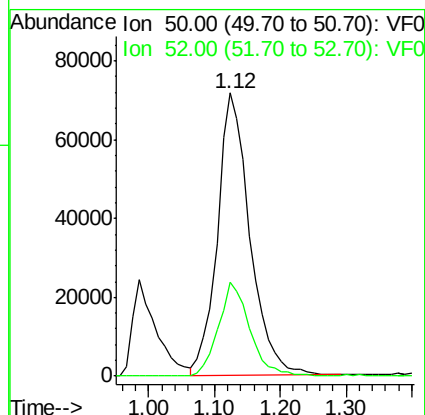
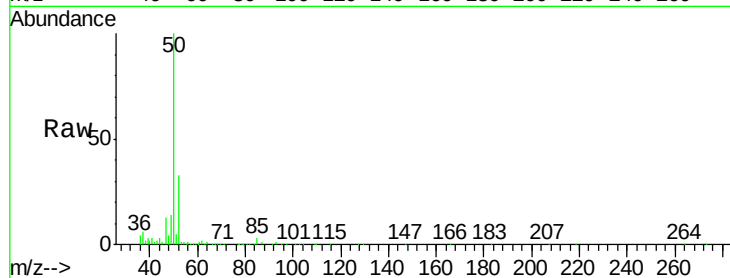
VSTDIC075

Tgt Ion: 50 Resp: 246037

Ion Ratio Lower Upper

50 100

52 33.2 26.9 40.3



#4

Vinyl Chloride

Concen: 74.473 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060391.D

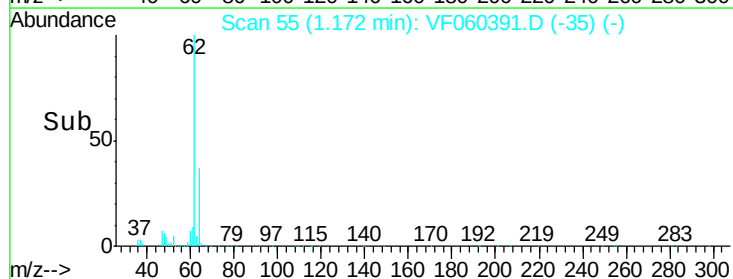
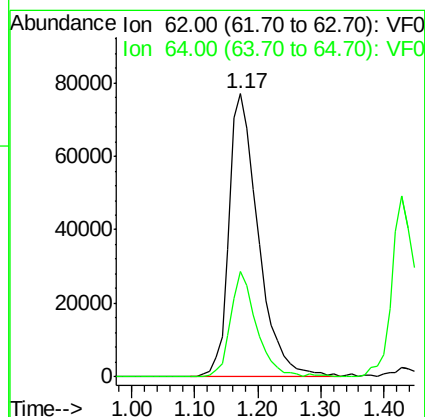
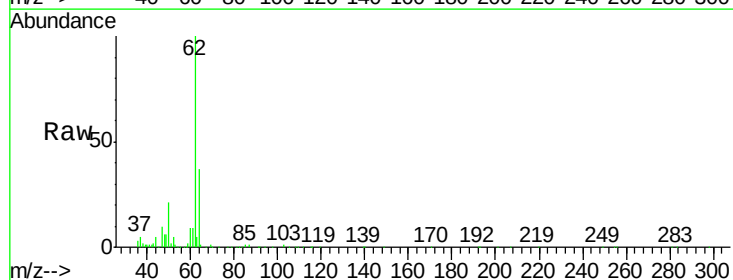
Acq: 1 Oct 2018 19:09

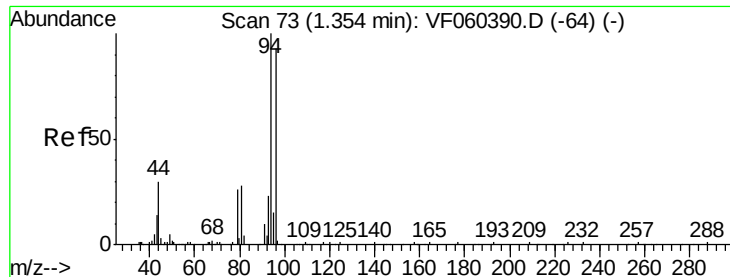
Tgt Ion: 62 Resp: 247824

Ion Ratio Lower Upper

62 100

64 37.3 25.8 38.6





#5

Bromomethane

Concen: 84.828 ug/l

RT: 1.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

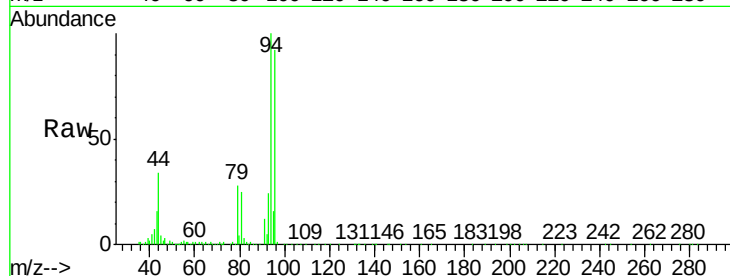
VSTDIC075

Tgt Ion: 94 Resp: 195778

Ion Ratio Lower Upper

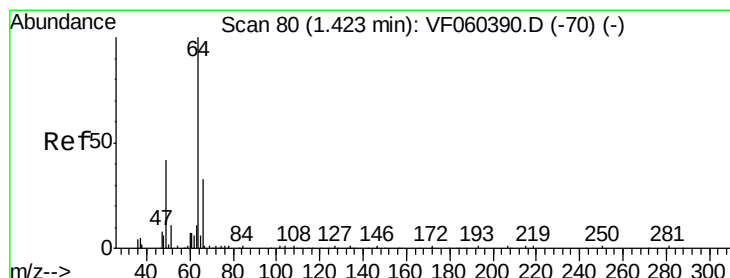
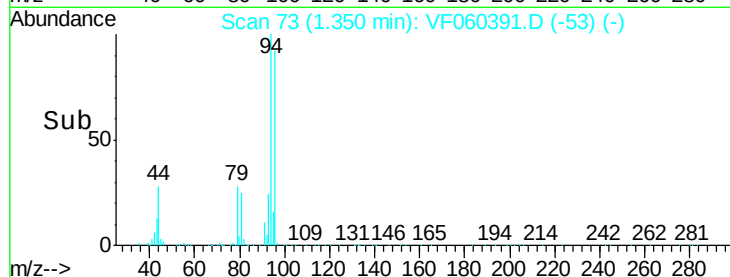
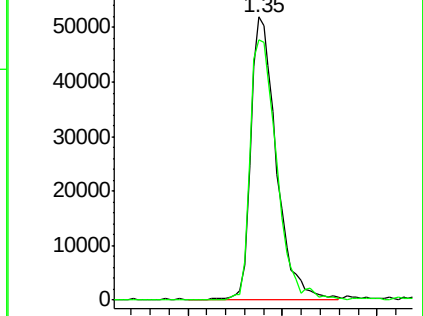
94 100

96 91.8 74.3 111.5



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 84.075 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF060391.D

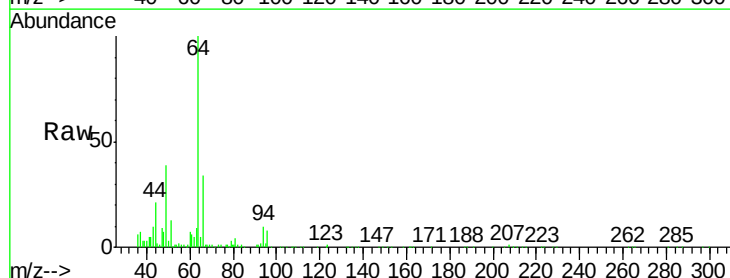
Acq: 1 Oct 2018 19:09

Tgt Ion: 64 Resp: 134052

Ion Ratio Lower Upper

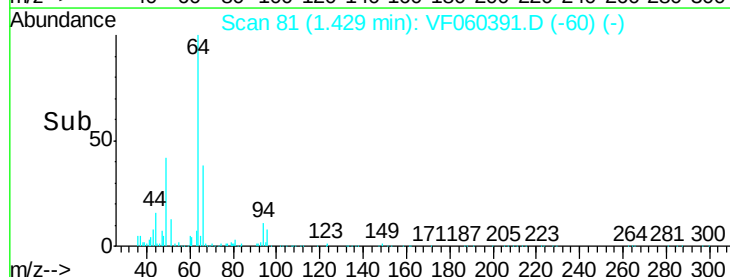
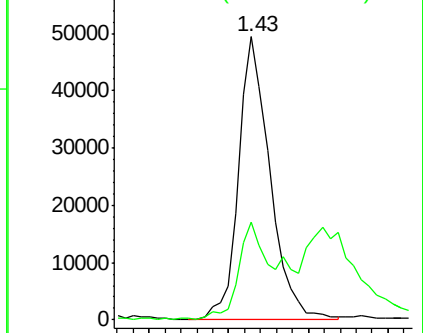
64 100

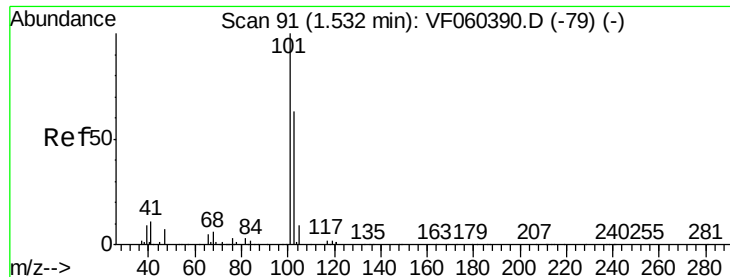
66 34.4 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



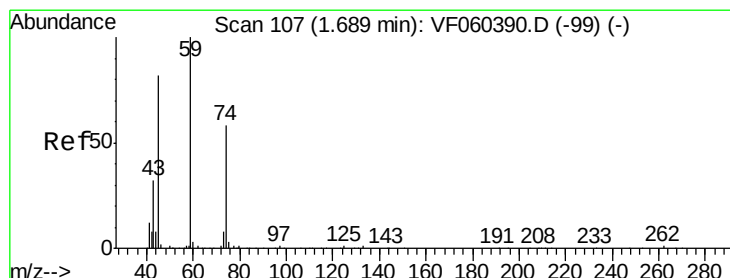
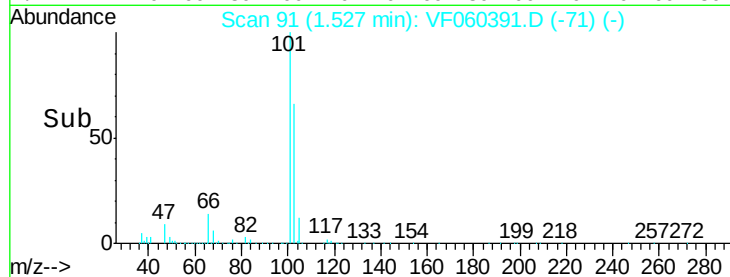
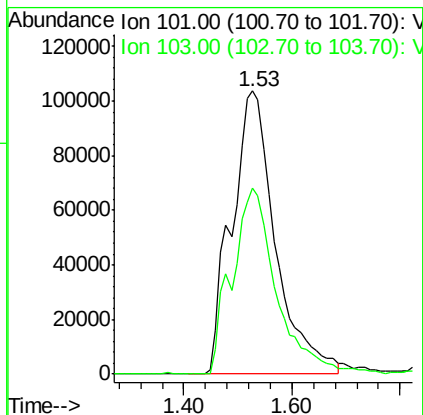
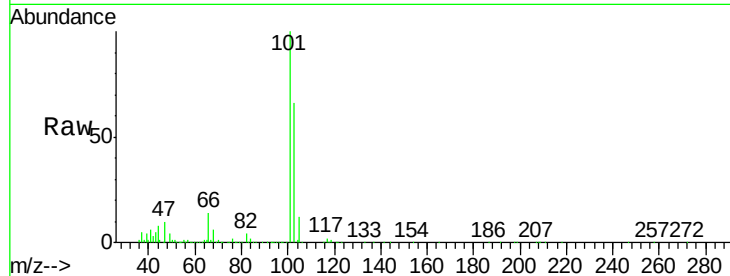


#7

Trichlorofluoromethane
Concen: 90.460 ug/l
RT: 1.53 min Scan# 91
Delta R.T. -0.00 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Instrument :
MSVOA_F
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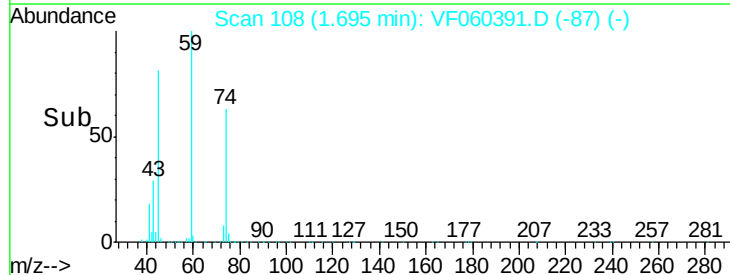
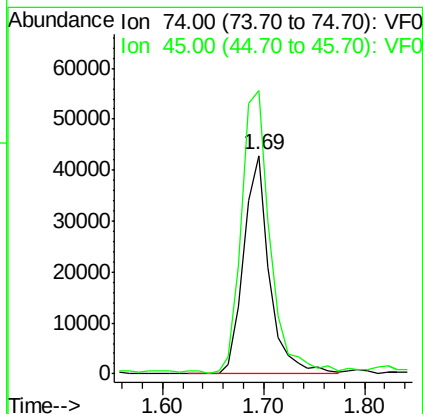
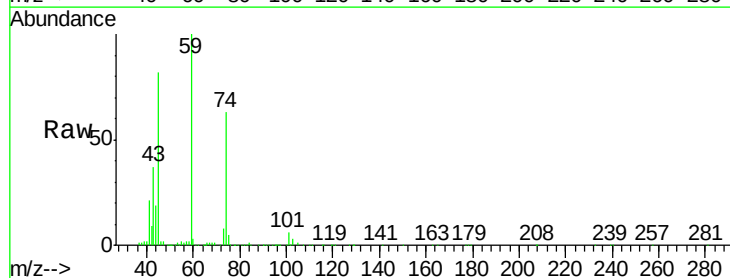
Tgt Ion:101 Resp: 584506
Ion Ratio Lower Upper
101 100
103 65.6 51.0 76.4

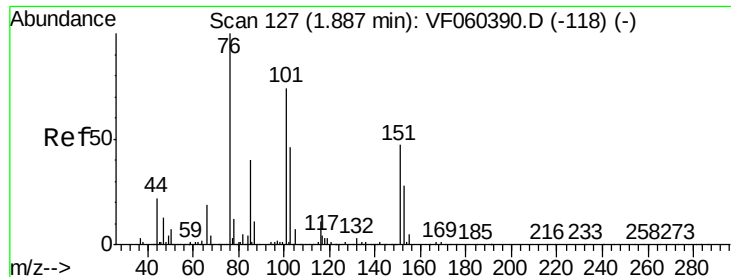


#8

Diethyl Ether
Concen: 74.966 ug/l
RT: 1.69 min Scan# 108
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Tgt Ion: 74 Resp: 76633
Ion Ratio Lower Upper
74 100
45 129.6 71.3 213.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 80.169 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

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VSTDIC075

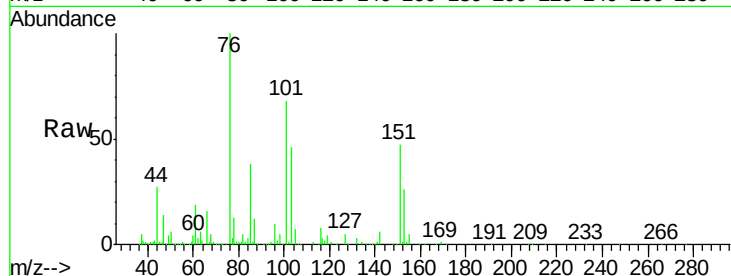
Tgt Ion:101 Resp: 267875

Ion Ratio Lower Upper

101 100

85 56.2 42.5 63.7

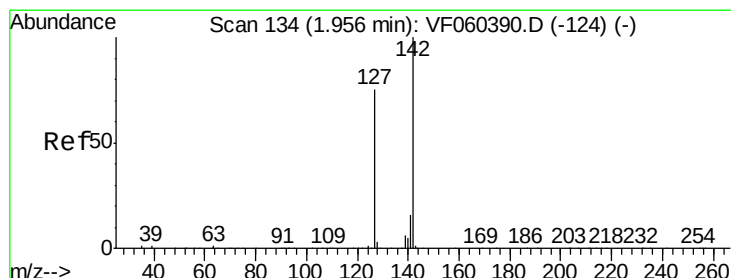
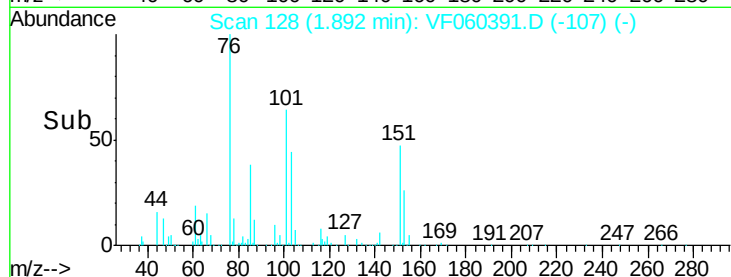
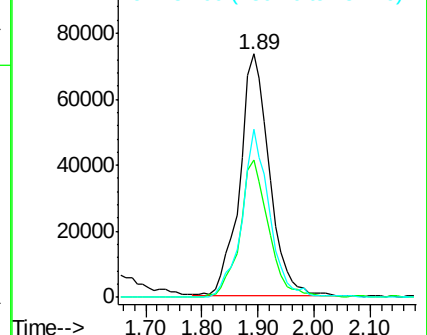
151 69.1 49.8 74.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 62.879 ug/l

RT: 1.97 min Scan# 136

Delta R.T. 0.02 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

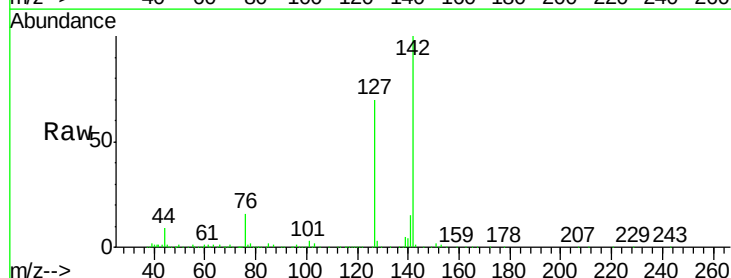
Tgt Ion:142 Resp: 335487

Ion Ratio Lower Upper

142 100

127 69.7 60.2 90.2

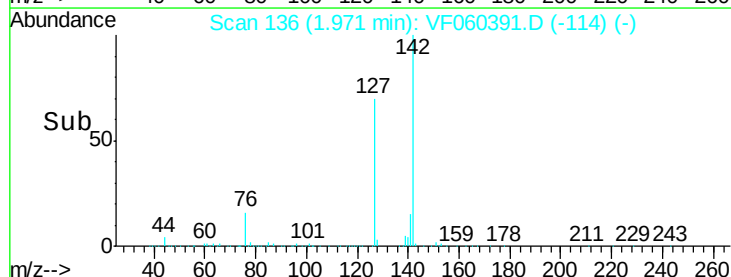
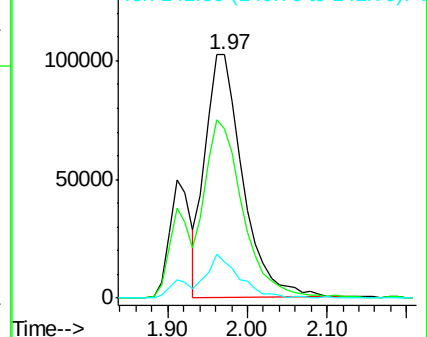
141 15.0 13.1 19.7

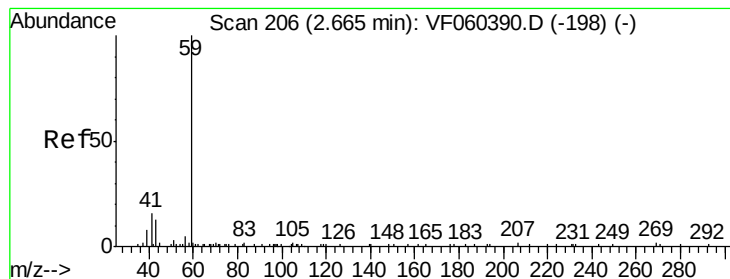


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



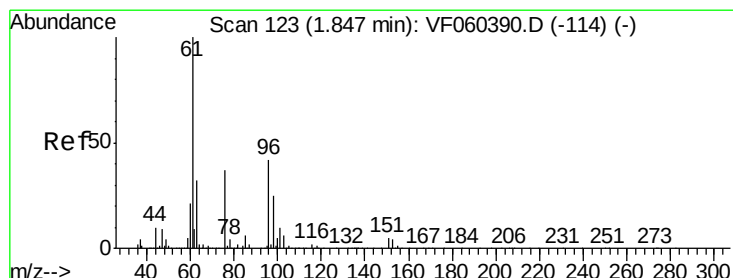
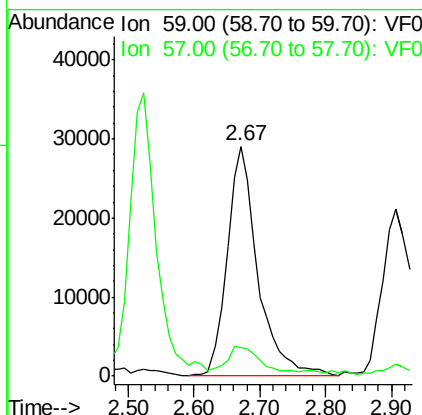
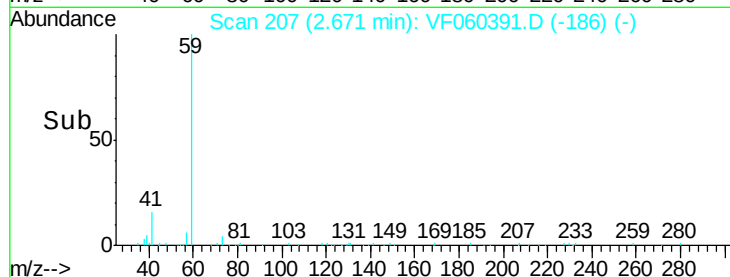
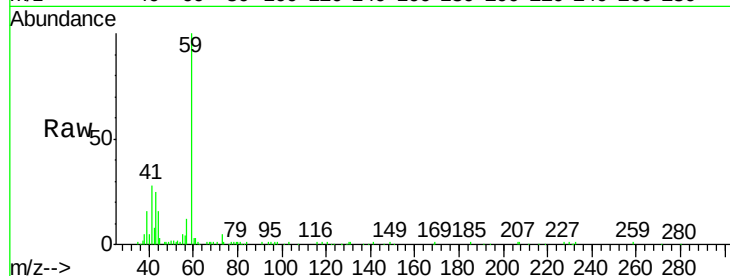


#11

Tert butyl alcohol
Concen: 451.555 ug/l
RT: 2.67 min Scan# 207
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

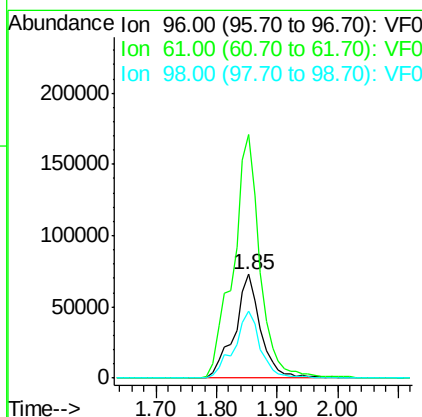
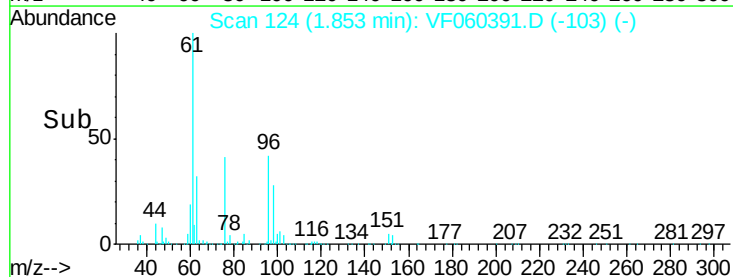
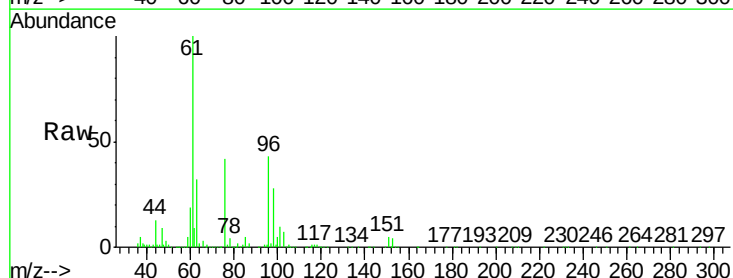
Tgt Ion: 59 Resp: 94669
Ion Ratio Lower Upper
59 100
57 12.2 6.5 9.7#

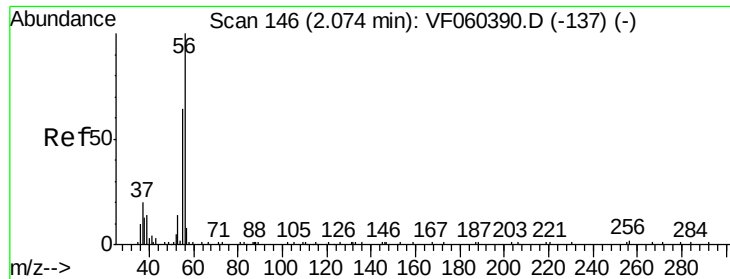


#12

1,1-Dichloroethene
Concen: 80.591 ug/l
RT: 1.85 min Scan# 124
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Tgt Ion: 96 Resp: 218269
Ion Ratio Lower Upper
96 100
61 234.4 189.4 284.0
98 64.7 47.8 71.6

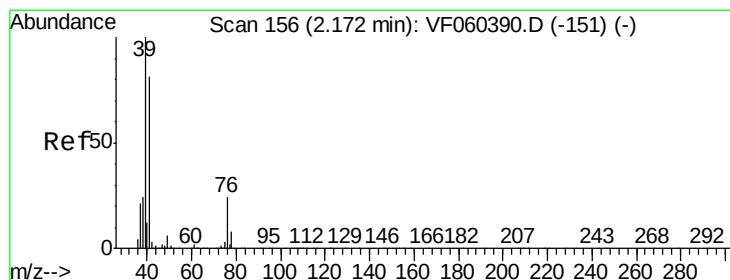
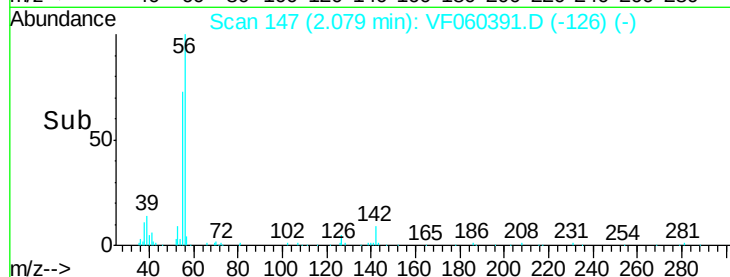
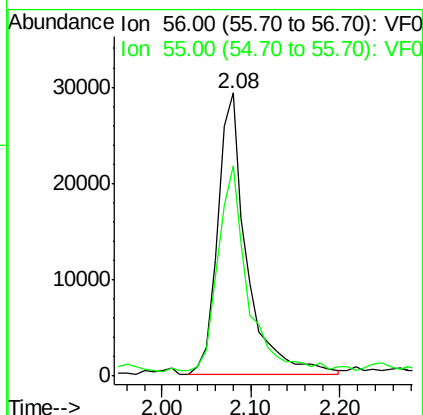
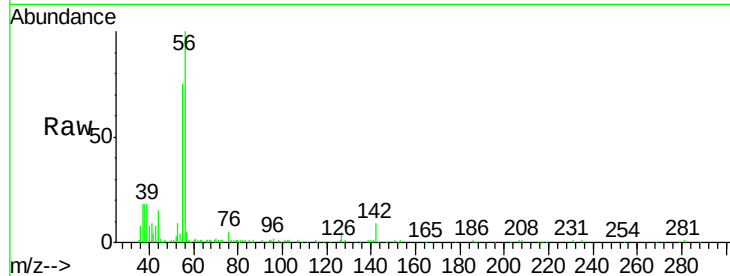




#13
Acrolein
Concen: 551.971 ug/l
RT: 2.08 min Scan# 147
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

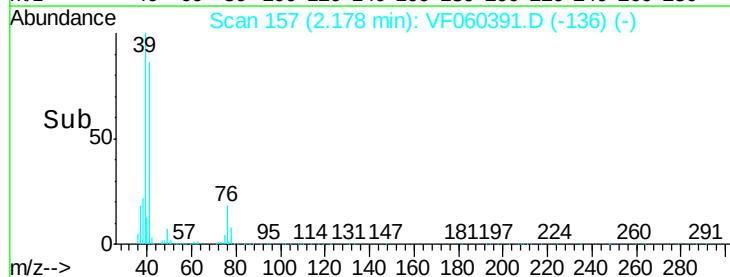
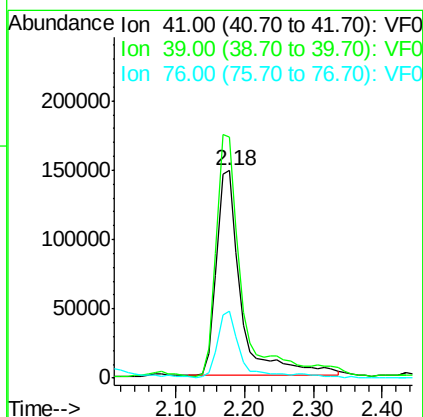
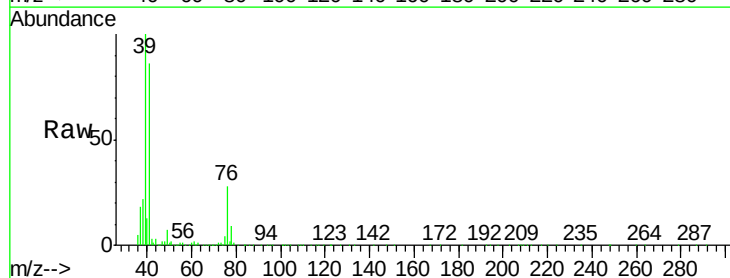
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

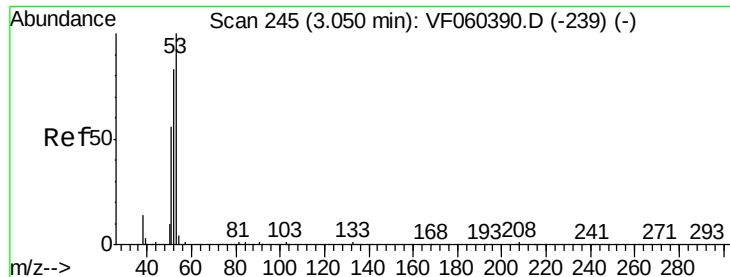
Tgt Ion: 56 Resp: 66236
Ion Ratio Lower Upper
56 100
55 74.6 53.9 80.9



#14
Allyl chloride
Concen: 79.006 ug/l
RT: 2.18 min Scan# 157
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Tgt Ion: 41 Resp: 369826
Ion Ratio Lower Upper
41 100
39 116.1 98.3 147.5
76 32.4 23.9 35.9





#15

Acrylonitrile

Concen: 346.206 ug/l

RT: 3.06 min Scan# 246

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

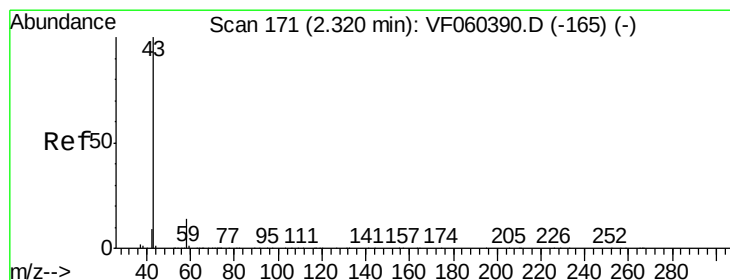
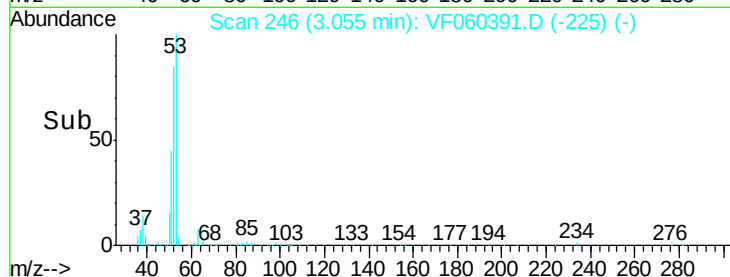
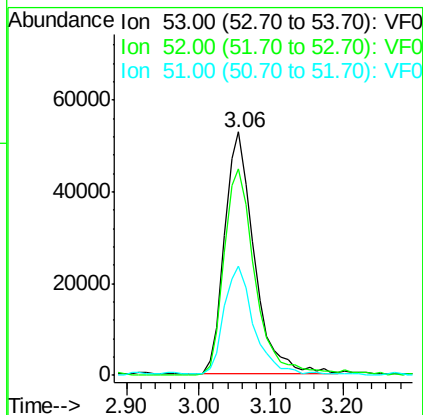
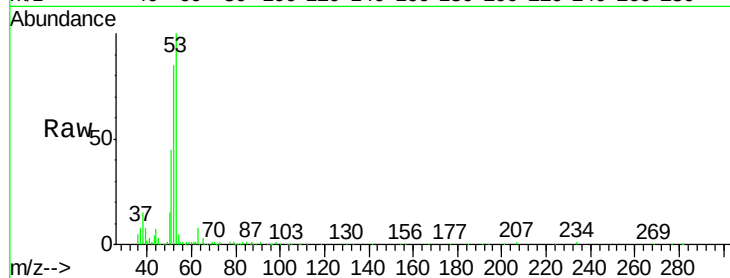
Tgt Ion: 53 Resp: 152090

Ion Ratio Lower Upper

53 100

52 84.8 66.0 99.0

51 45.0 45.6 68.4#



#16

Acetone

Concen: 354.318 ug/l

RT: 2.33 min Scan# 172

Delta R.T. 0.01 min

Lab File: VF060391.D

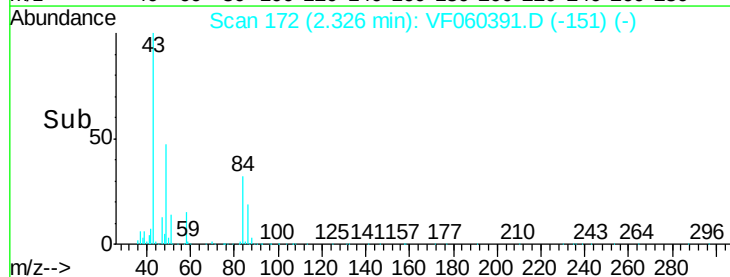
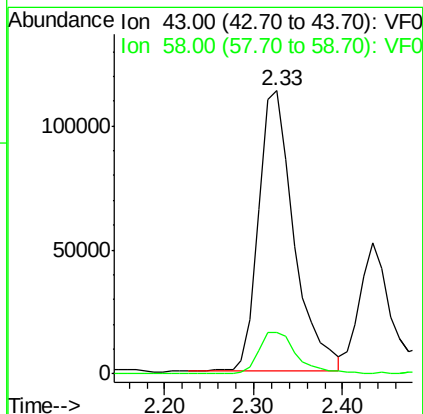
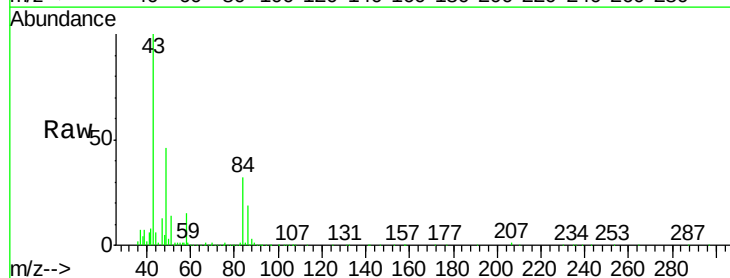
Acq: 1 Oct 2018 19:09

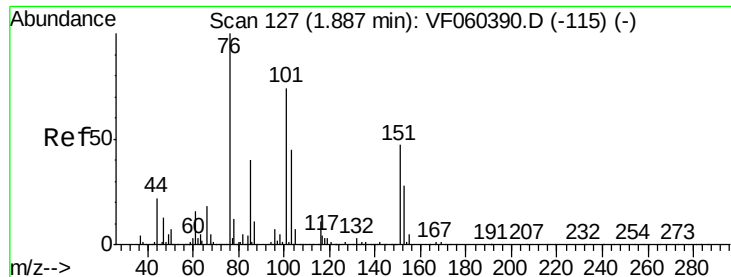
Tgt Ion: 43 Resp: 311513

Ion Ratio Lower Upper

43 100

58 14.7 11.2 16.8





#17

Carbon Disulfide

Concen: 78.975 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

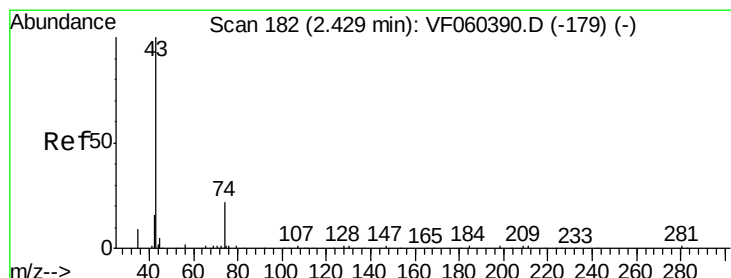
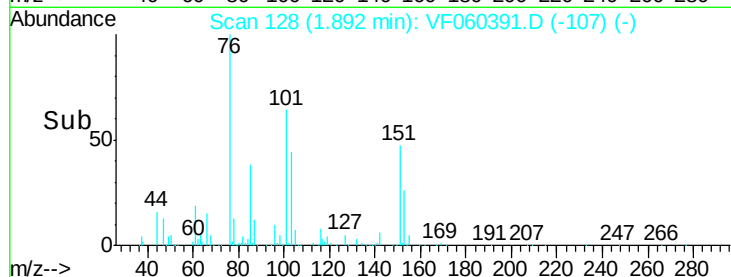
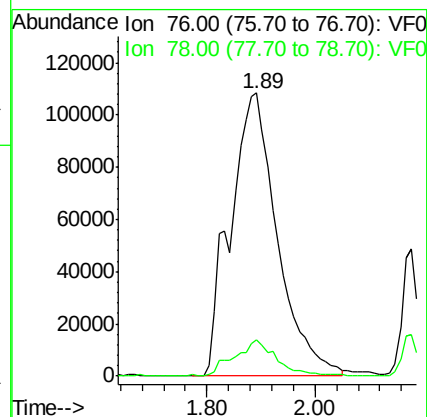
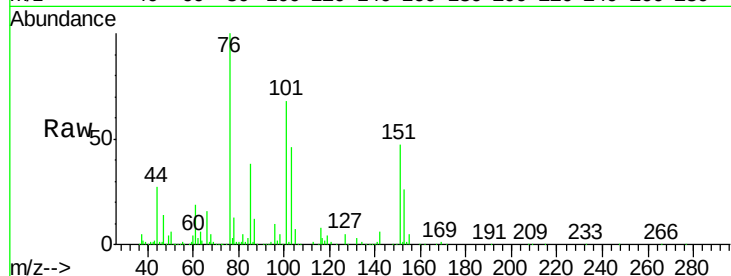
VSTDIC075

Tgt Ion: 76 Resp: 657753

Ion Ratio Lower Upper

76 100

78 13.1 10.1 15.1



#18

Methyl Acetate

Concen: 75.141 ug/l

RT: 2.43 min Scan# 183

Delta R.T. 0.01 min

Lab File: VF060391.D

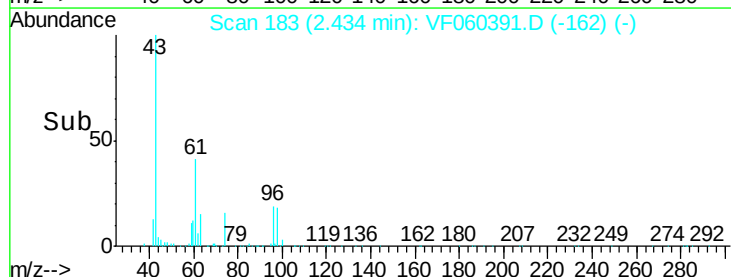
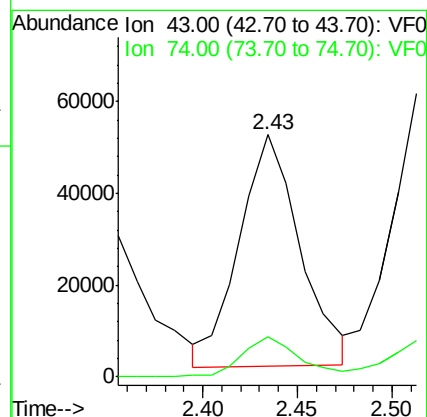
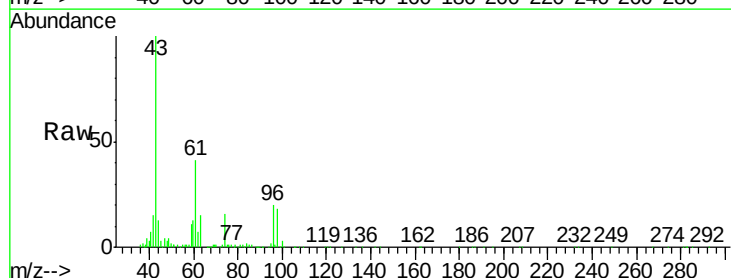
Acq: 1 Oct 2018 19:09

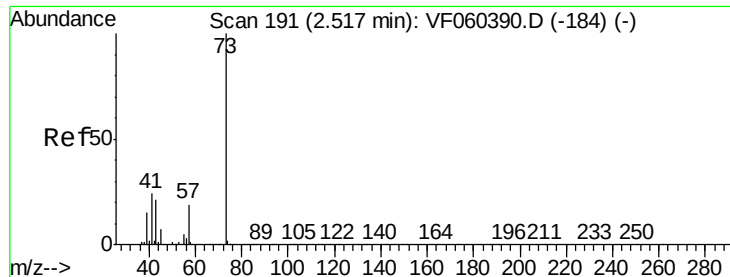
Tgt Ion: 43 Resp: 113231

Ion Ratio Lower Upper

43 100

74 16.5 15.8 23.8





#19

Methyl tert-butyl Ether

Concen: 82.262 ug/l

RT: 2.52 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

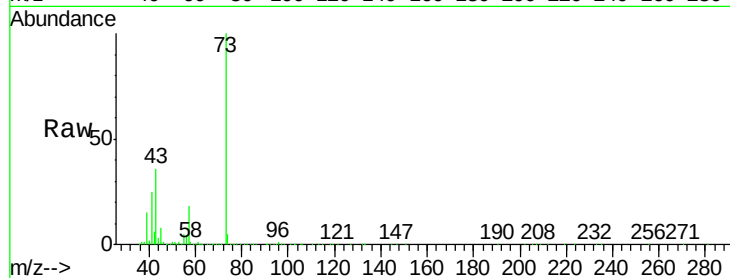
VSTDIC075

Tgt Ion: 73 Resp: 559318

Ion Ratio Lower Upper

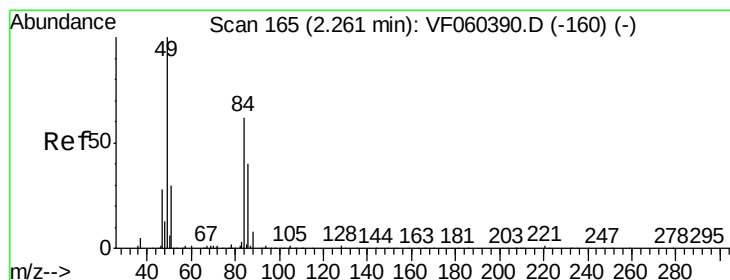
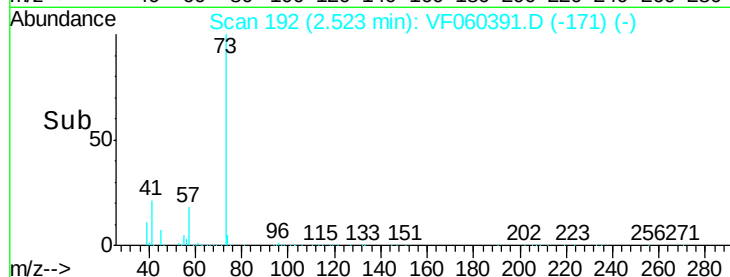
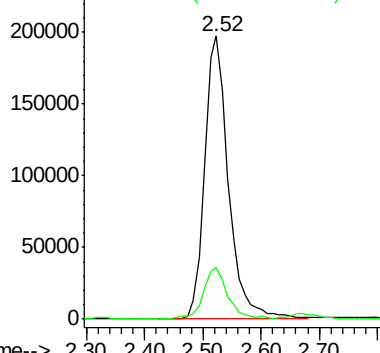
73 100

57 18.1 15.9 23.9



Abundance Ion 73.00 (72.70 to 73.70): VF0

Ion 57.00 (56.70 to 57.70): VF0



#20

Methylene Chloride

Concen: 24.763 ug/l

RT: 2.26 min Scan# 165

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Tgt Ion: 84 Resp: 78513

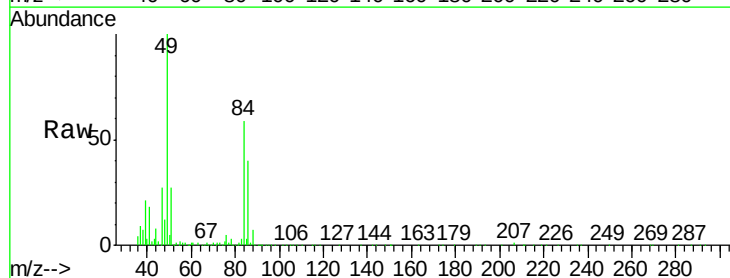
Ion Ratio Lower Upper

84 100

49 168.6 130.2 195.2

51 45.6 41.0 61.6

86 67.3 51.5 77.3

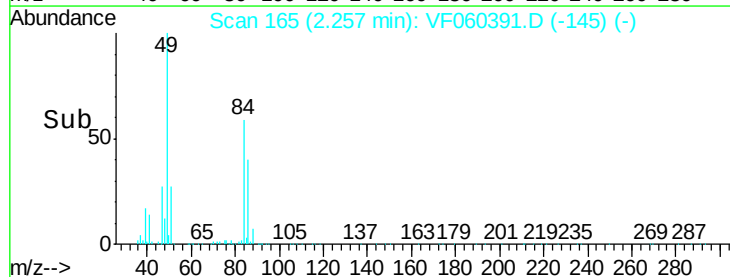
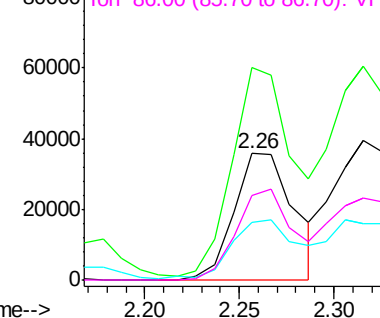


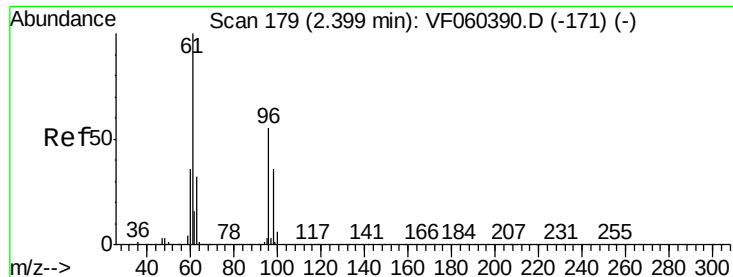
Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#21

trans-1,2-Dichloroethene

Concen: 75.881 ug/l

RT: 2.39 min Scan# 179

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

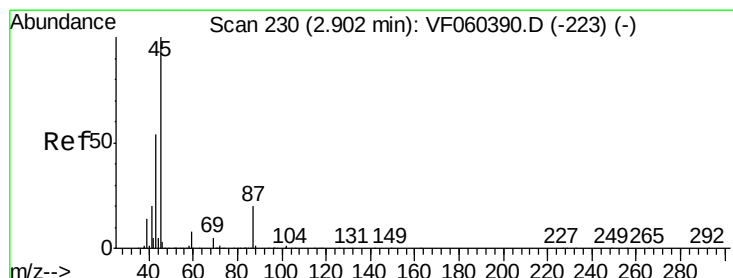
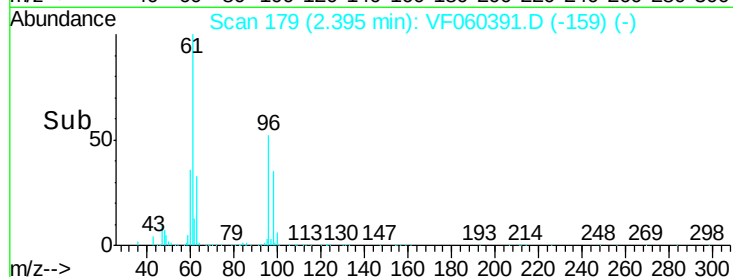
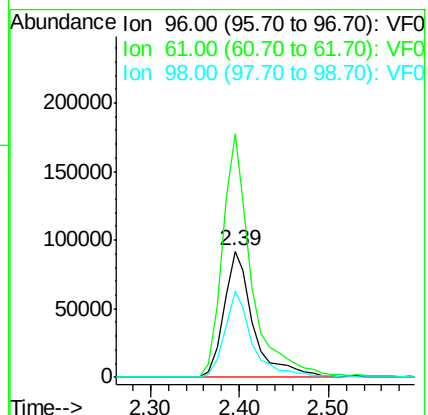
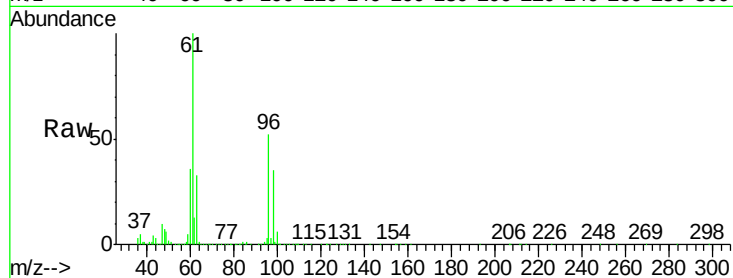
Tgt Ion: 96 Resp: 213364

Ion Ratio Lower Upper

96 100

61 193.2 146.2 219.2

98 68.1 52.6 78.8



#22

Diisopropyl ether

Concen: 72.143 ug/l

RT: 2.91 min Scan# 231

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Tgt Ion: 45 Resp: 631815

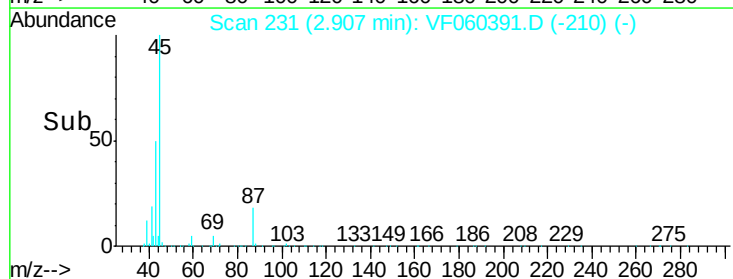
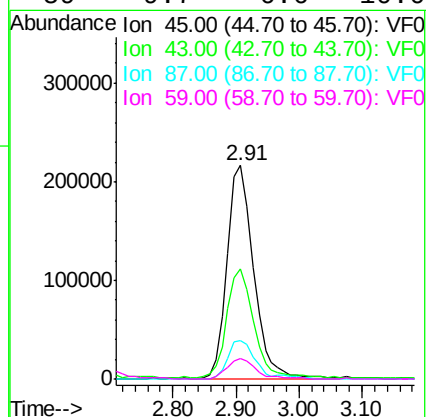
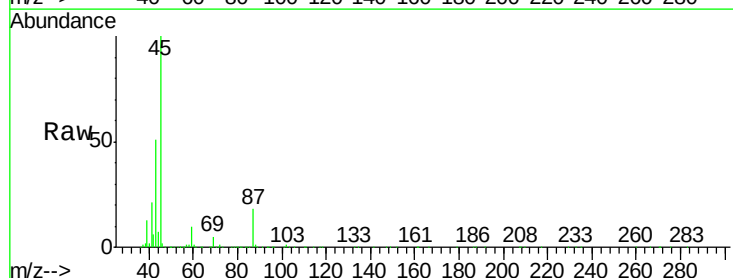
Ion Ratio Lower Upper

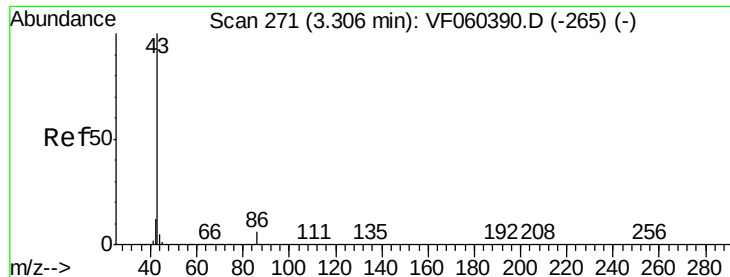
45 100

43 51.4 43.8 65.8

87 18.1 16.3 24.5

59 9.7 6.6 10.0

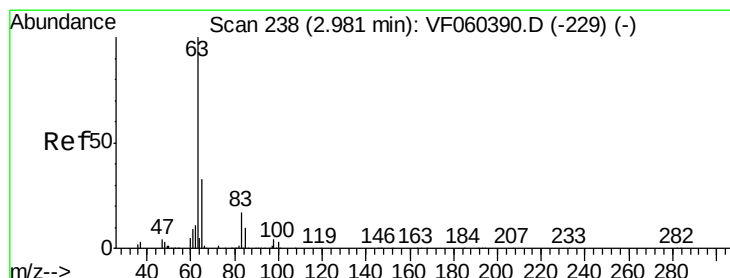
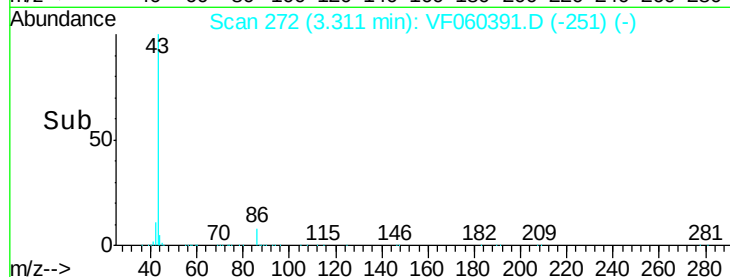
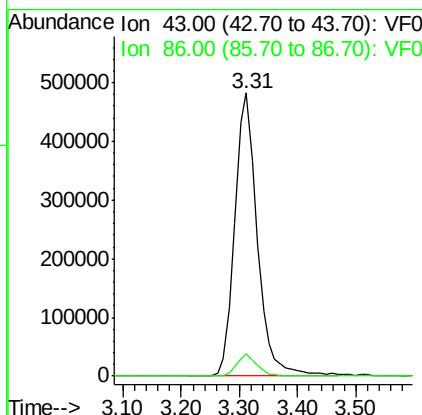
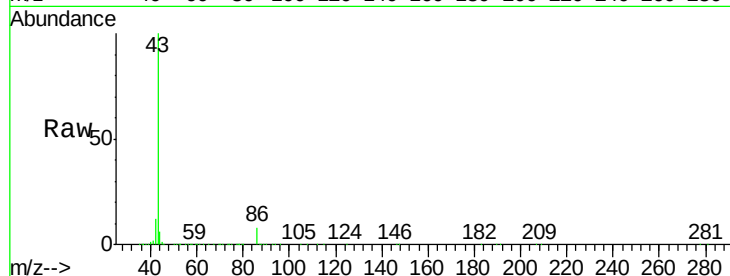




#23
 Vinyl Acetate
 Concen: 374.057 ug/l
 RT: 3.31 min Scan# 272
 Delta R.T. 0.01 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

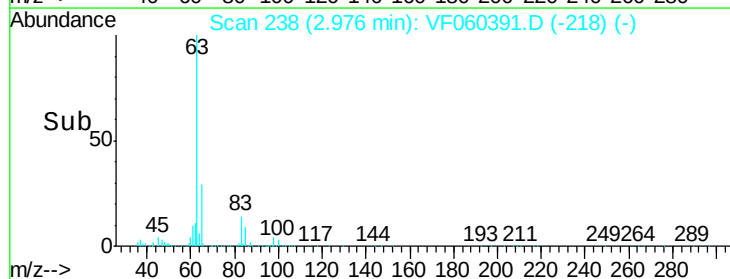
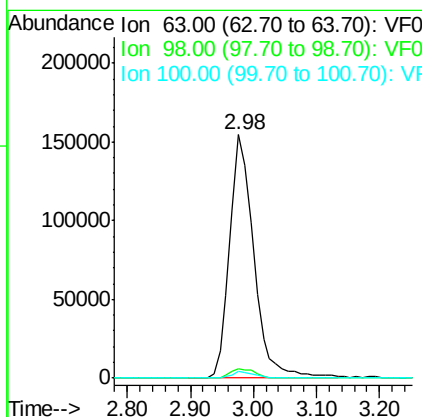
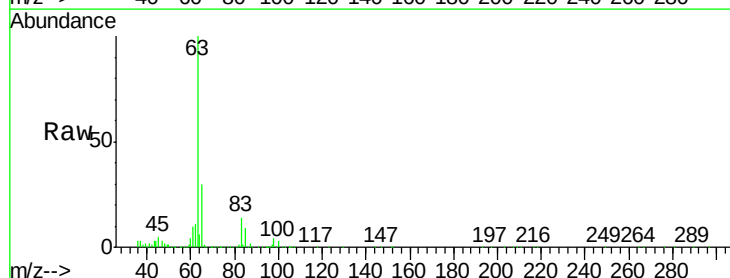
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

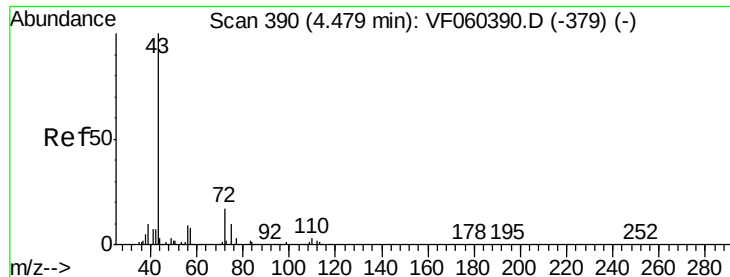
Tgt Ion: 43 Resp: 1292986
 Ion Ratio Lower Upper
 43 100
 86 8.0 5.1 7.7#



#24
 1,1-Dichloroethane
 Concen: 70.769 ug/l
 RT: 2.98 min Scan# 238
 Delta R.T. -0.00 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

Tgt Ion: 63 Resp: 408791
 Ion Ratio Lower Upper
 63 100
 98 4.1 2.0 5.8
 100 3.0 1.4 4.2





#25

2-Butanone

Concen: 304.858 ug/l

RT: 4.48 min Scan# 391

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

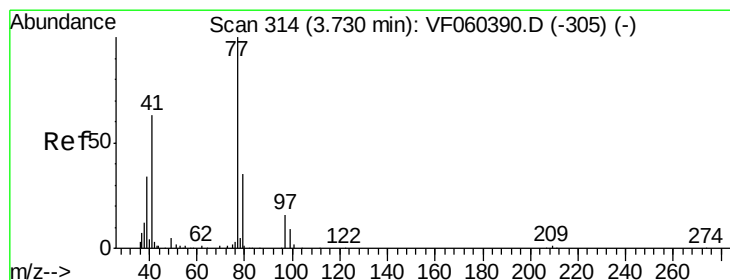
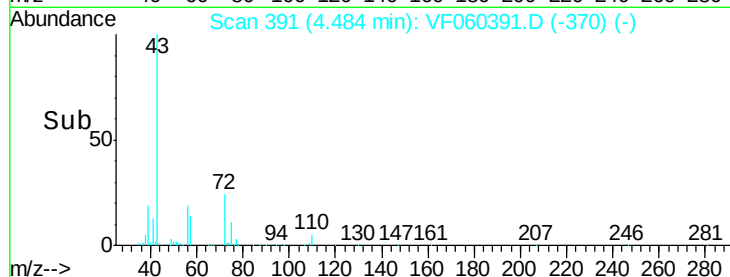
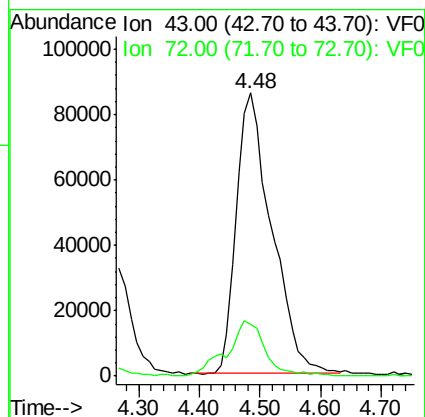
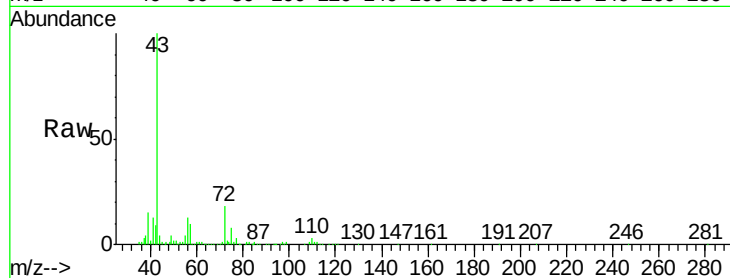
VSTDIC075

Tgt Ion: 43 Resp: 348713

Ion Ratio Lower Upper

43 100

72 18.2 14.1 21.1



#26

2,2-Dichloropropane

Concen: 72.931 ug/l

RT: 3.74 min Scan# 315

Delta R.T. 0.01 min

Lab File: VF060391.D

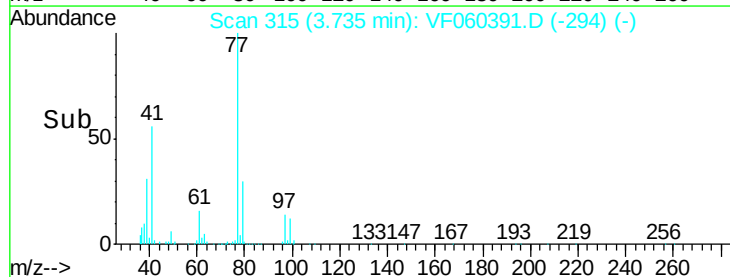
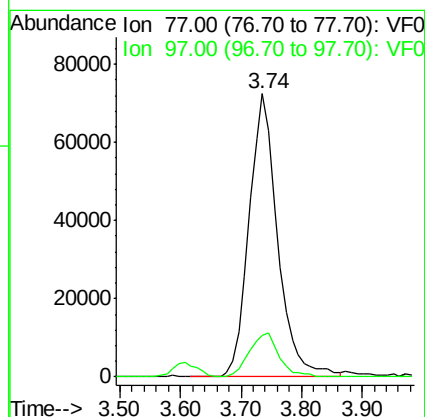
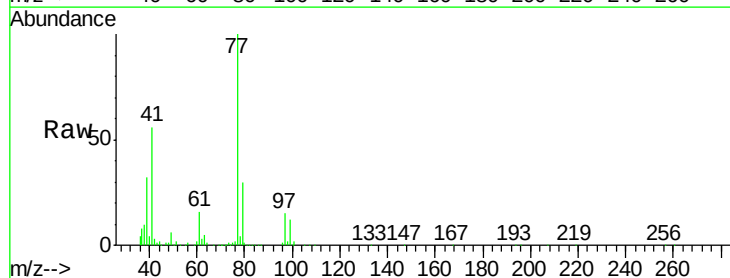
Acq: 1 Oct 2018 19:09

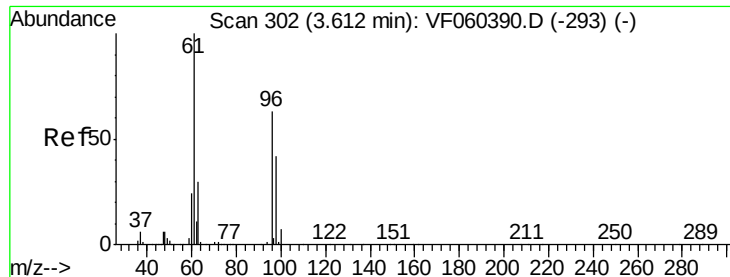
Tgt Ion: 77 Resp: 237631

Ion Ratio Lower Upper

77 100

97 14.5 8.3 25.1



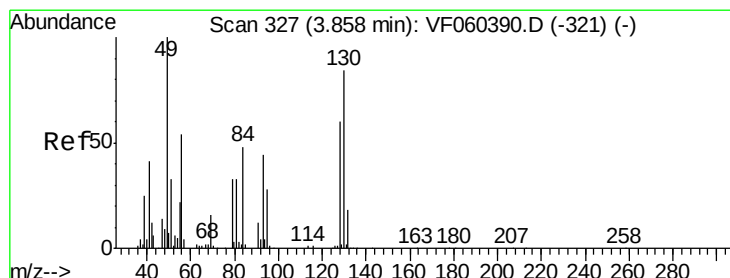
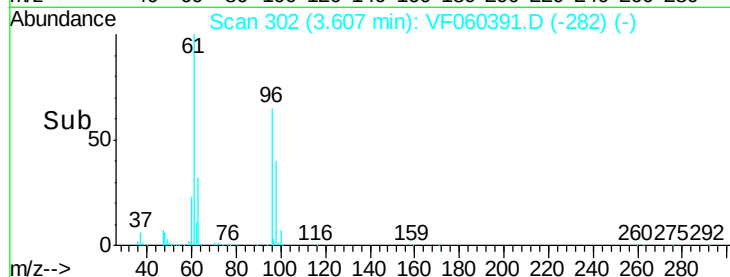
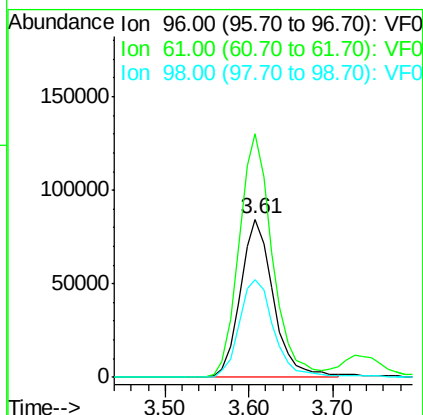
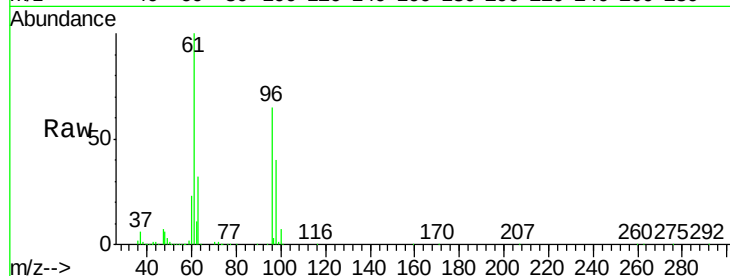


#27

cis-1,2-Dichloroethene
Concen: 64.592 ug/l
RT: 3.61 min Scan# 302
Delta R.T. -0.00 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

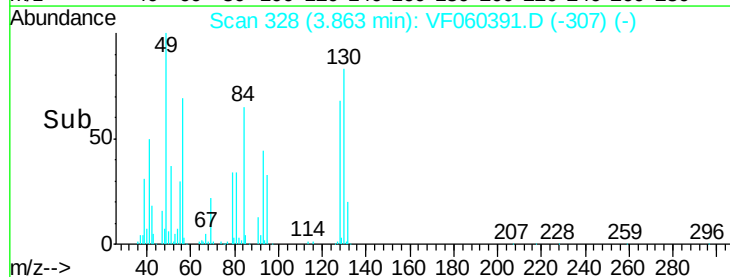
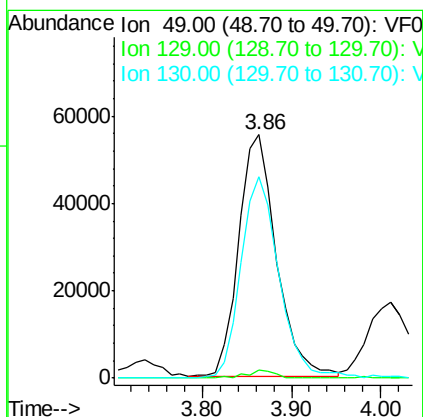
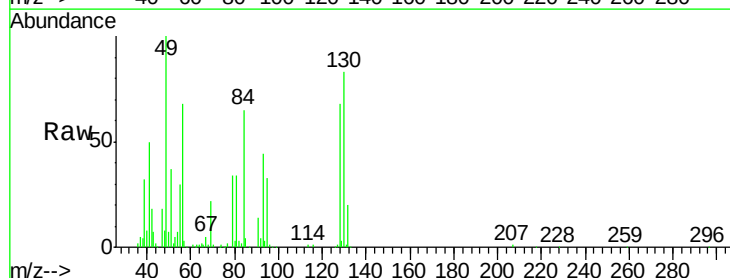
Tgt Ion: 96 Resp: 231214
Ion Ratio Lower Upper
96 100
61 154.0 0.0 318.2
98 61.4 0.0 134.0

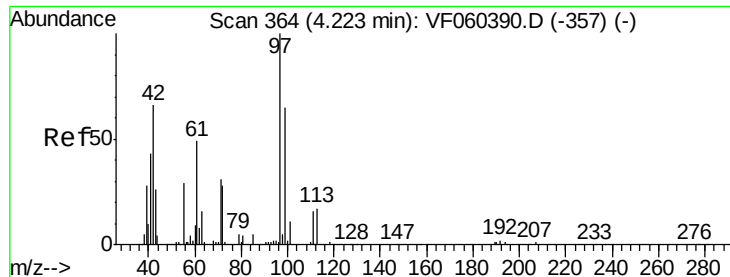


#28

Bromochloromethane
Concen: 72.079 ug/l
RT: 3.86 min Scan# 328
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Tgt Ion: 49 Resp: 162064
Ion Ratio Lower Upper
49 100
129 3.3 0.0 4.6
130 82.6 67.3 100.9





#29

Tetrahydrofuran

Concen: 348.116 ug/l

RT: 4.22 min Scan# 364

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

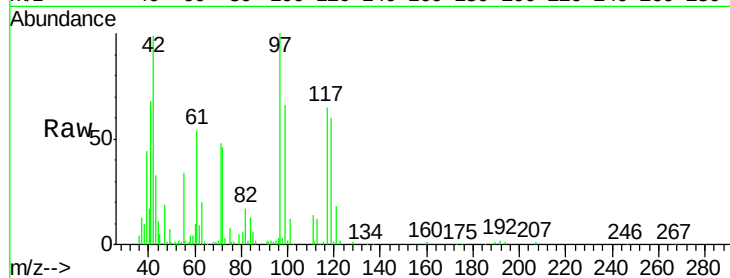
Tgt Ion: 42 Resp: 149670

Ion Ratio Lower Upper

42 100

72 41.4 33.6 50.4

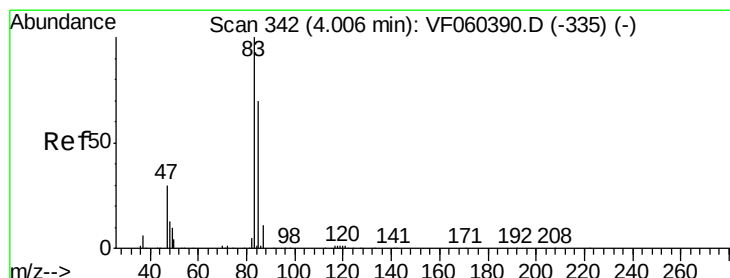
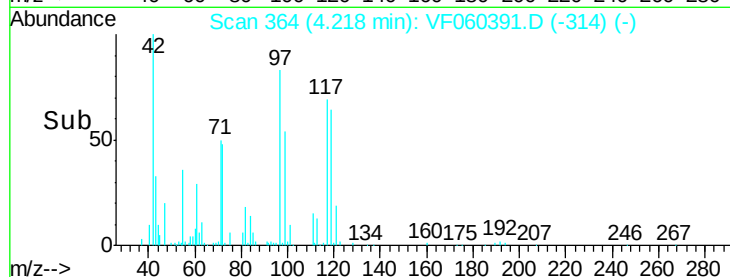
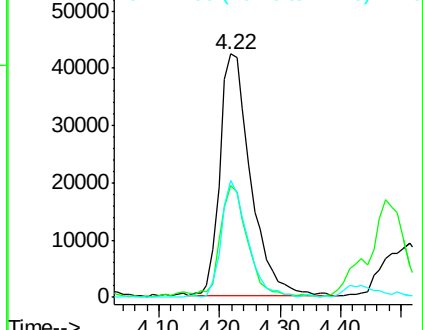
71 40.8 32.7 49.1



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 76.835 ug/l

RT: 4.01 min Scan# 343

Delta R.T. 0.01 min

Lab File: VF060391.D

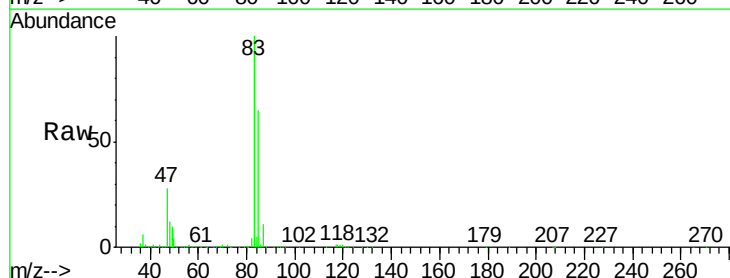
Acq: 1 Oct 2018 19:09

Tgt Ion: 83 Resp: 532454

Ion Ratio Lower Upper

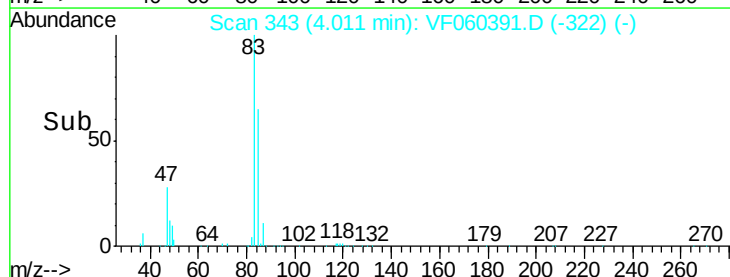
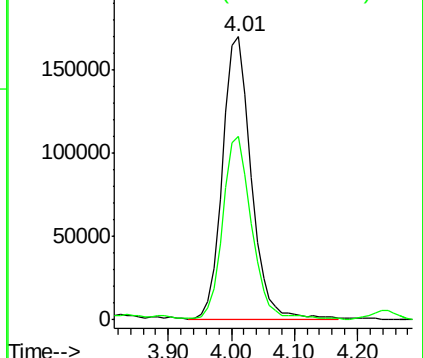
83 100

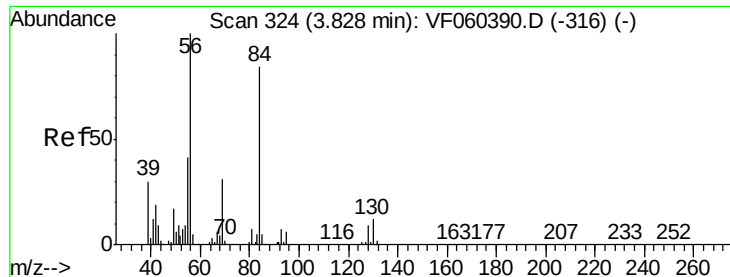
85 64.9 55.9 83.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

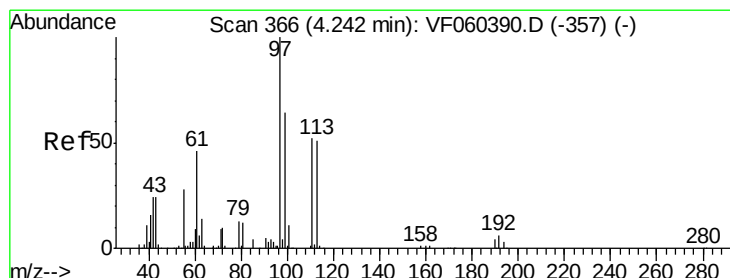
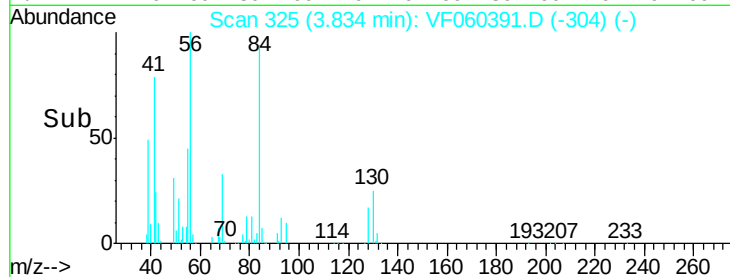
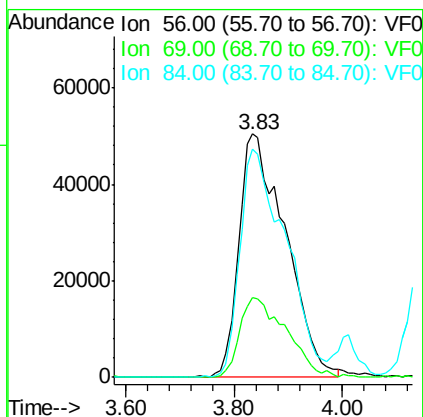
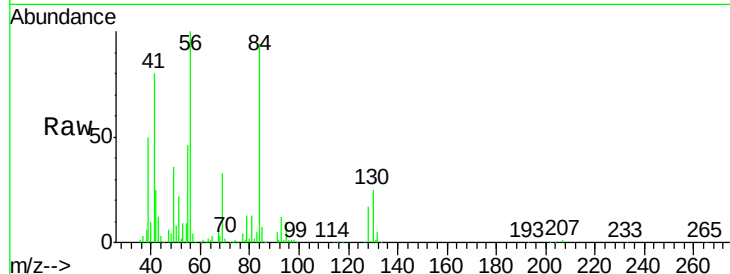




#31
Cyclohexane
Concen: 63.290 ug/l
RT: 3.83 min Scan# 325
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

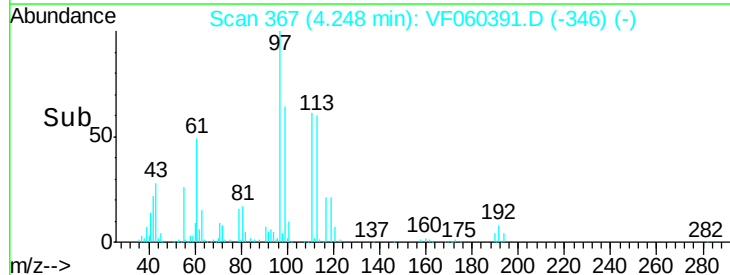
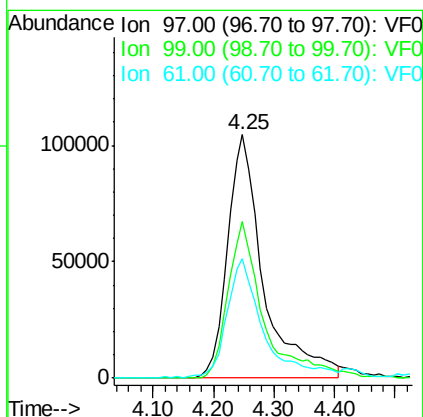
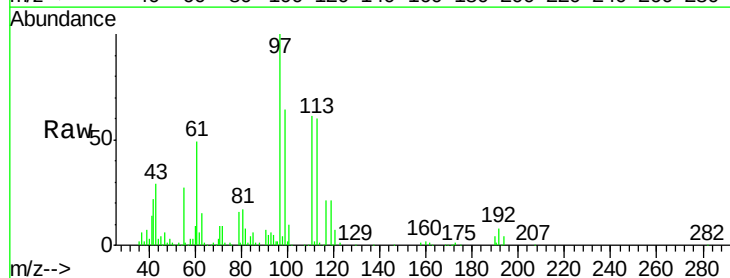
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

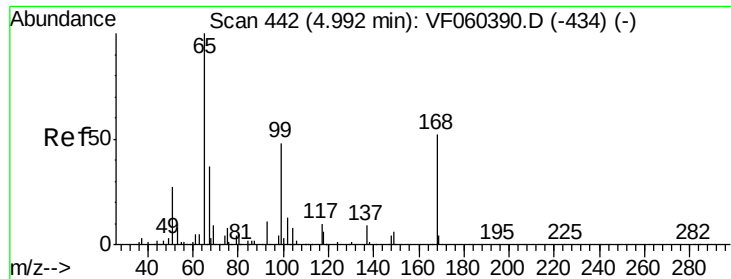
Tgt Ion: 56 Resp: 301758
Ion Ratio Lower Upper
56 100
69 32.6 25.5 38.3
84 93.9 67.4 101.0



#32
1,1,1-Trichloroethane
Concen: 77.842 ug/l
RT: 4.25 min Scan# 367
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Tgt Ion: 97 Resp: 432230
Ion Ratio Lower Upper
97 100
99 64.4 51.0 76.4
61 48.9 37.5 56.3

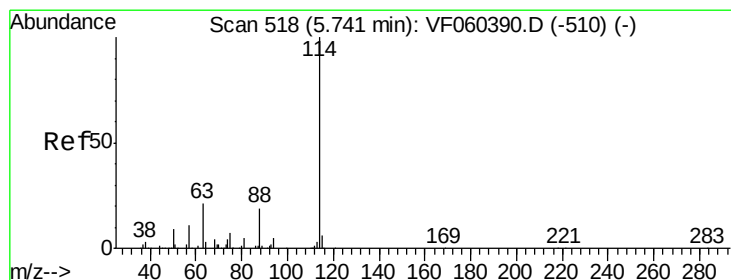
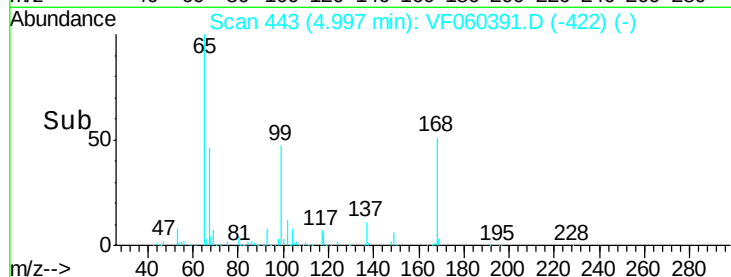
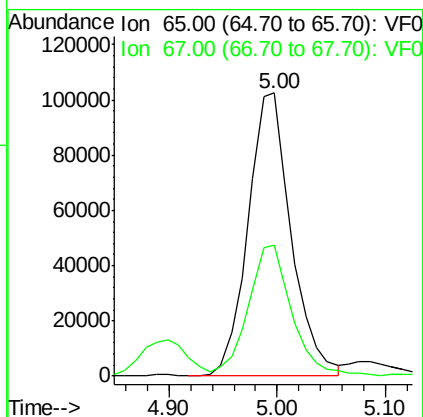
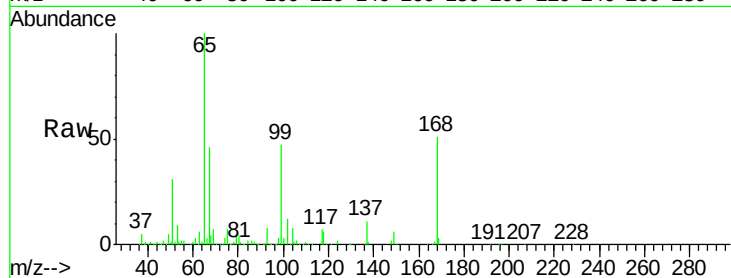




#33
 1,2-Dichloroethane-d4
 Concen: 86.951 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

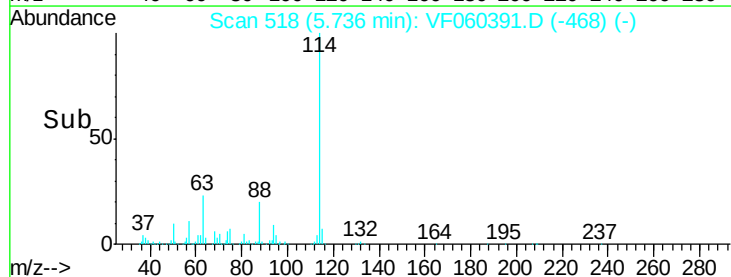
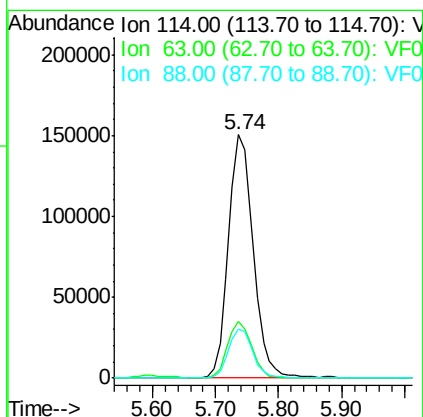
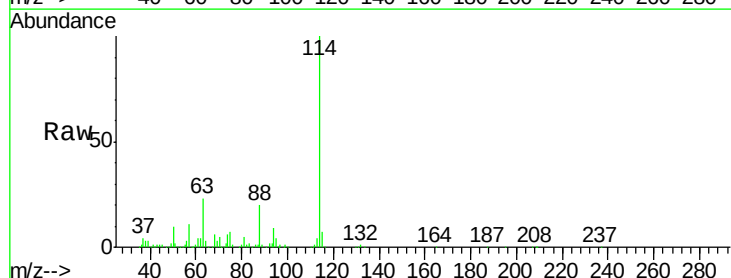
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

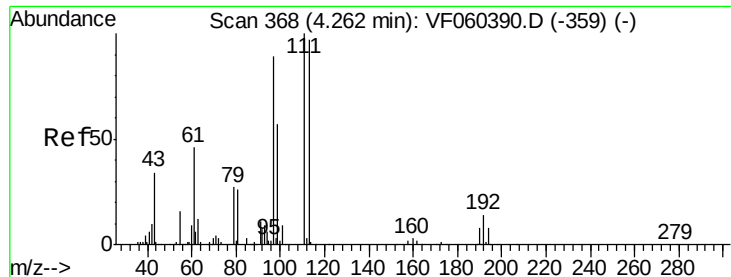
Tgt Ion: 65 Resp: 284890
 Ion Ratio Lower Upper
 65 100
 67 46.4 0.0 89.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.74 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

Tgt Ion: 114 Resp: 411101
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 42.2
 88 20.0 0.0 38.8





#35

Dibromofluoromethane

Concen: 75.062 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

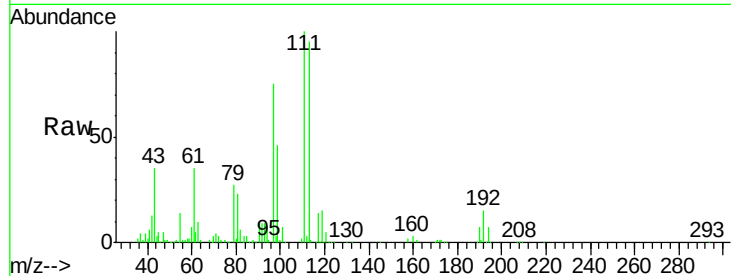
Tgt Ion:113 Resp: 280449

Ion Ratio Lower Upper

113 100

111 105.0 82.3 123.5

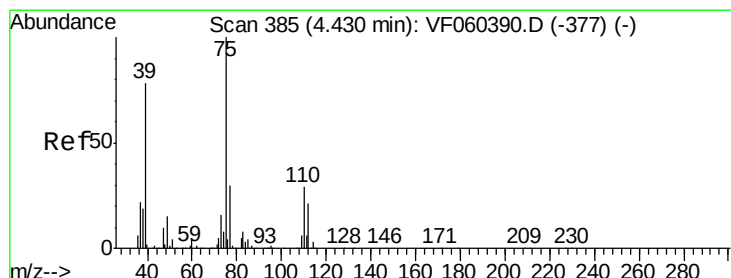
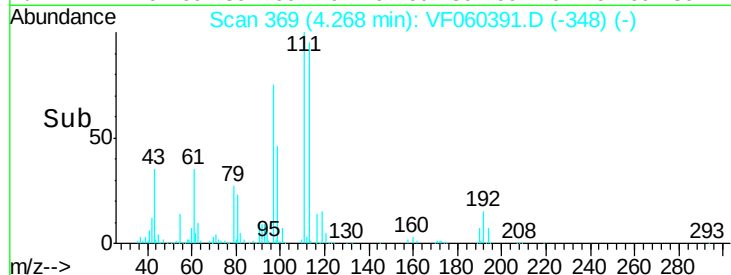
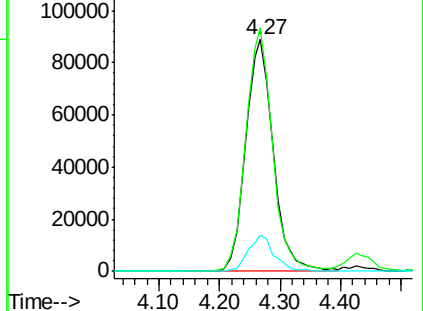
192 15.4 11.8 17.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 69.077 ug/l

RT: 4.43 min Scan# 385

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

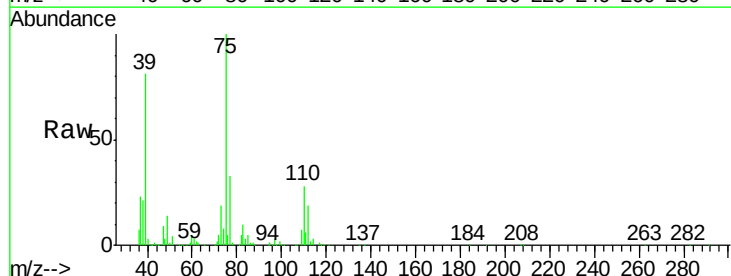
Tgt Ion: 75 Resp: 357130

Ion Ratio Lower Upper

75 100

110 28.4 14.5 43.6

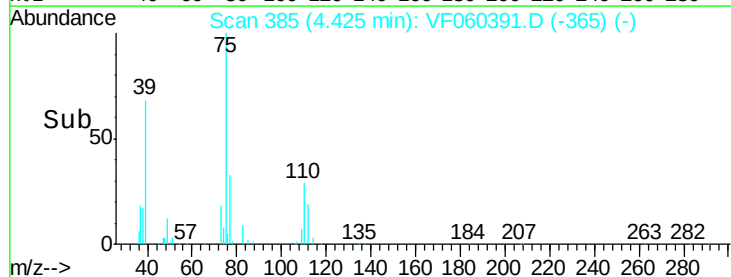
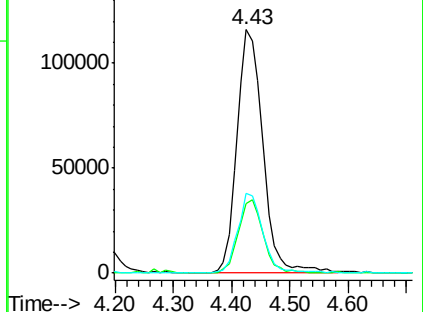
77 32.6 24.3 36.5

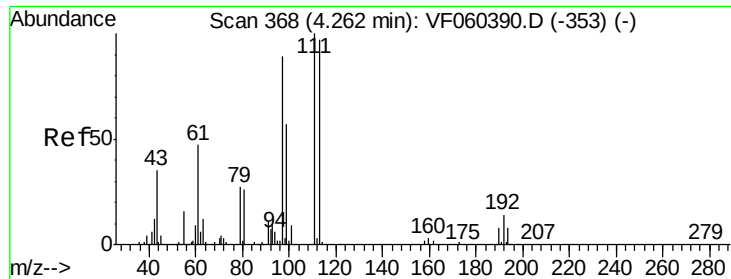


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 69.245 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

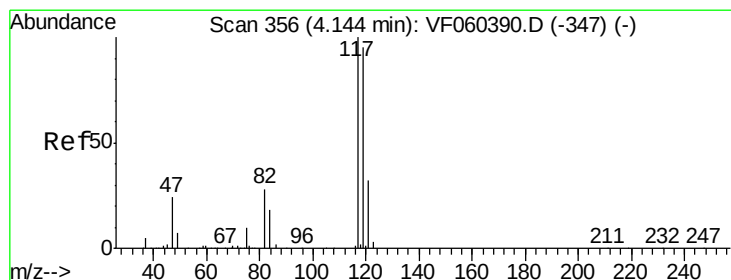
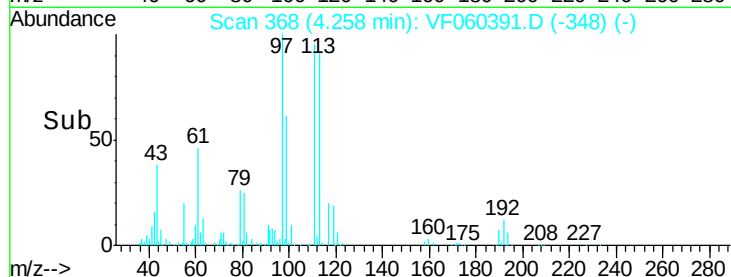
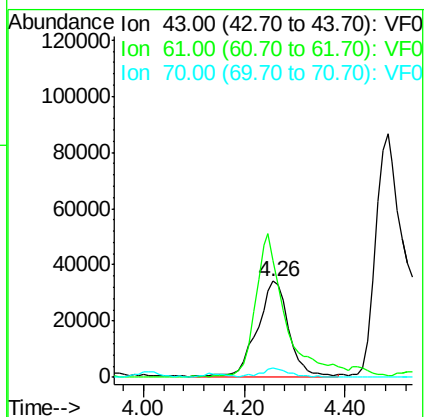
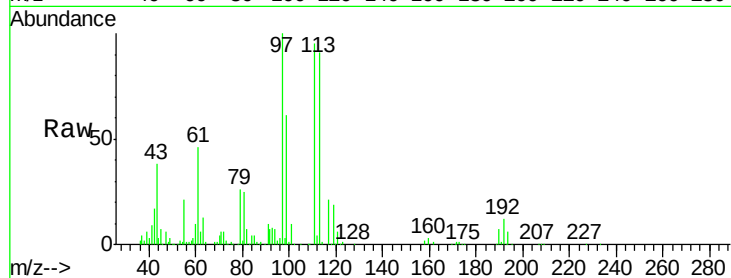
Tgt Ion: 43 Resp: 147925

Ion Ratio Lower Upper

43 100

61 121.8 105.1 157.7

70 9.9 8.0 12.0



#38

Carbon Tetrachloride

Concen: 84.968 ug/l

RT: 4.14 min Scan# 356

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

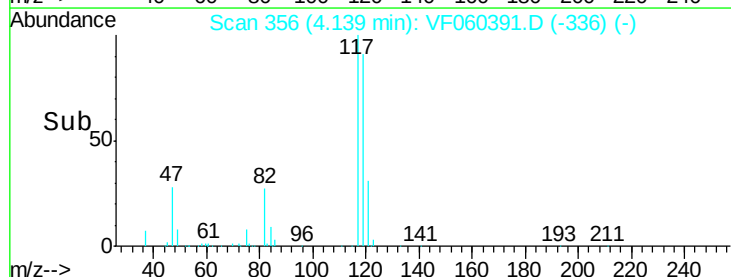
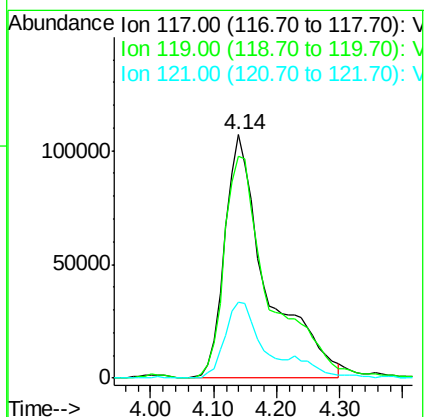
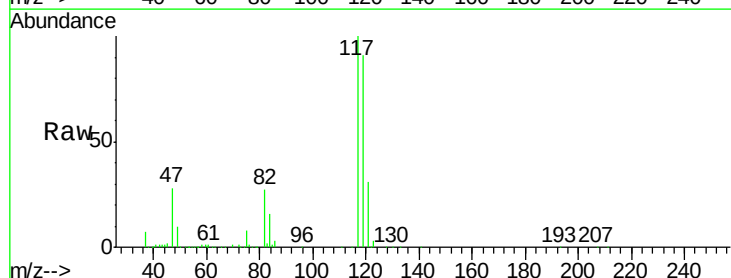
Tgt Ion: 117 Resp: 494501

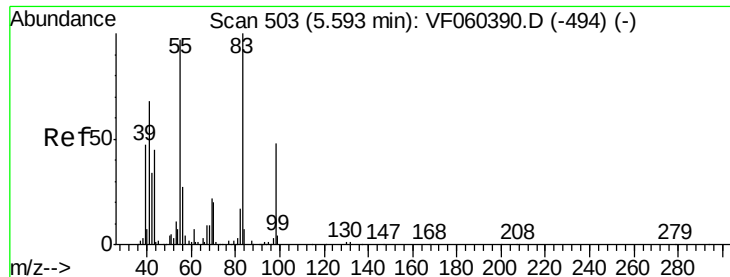
Ion Ratio Lower Upper

117 100

119 91.2 75.5 113.3

121 31.2 25.4 38.0

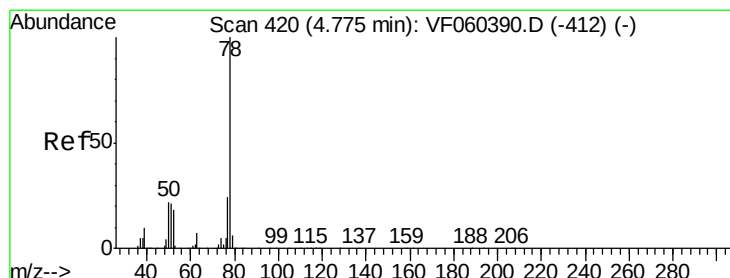
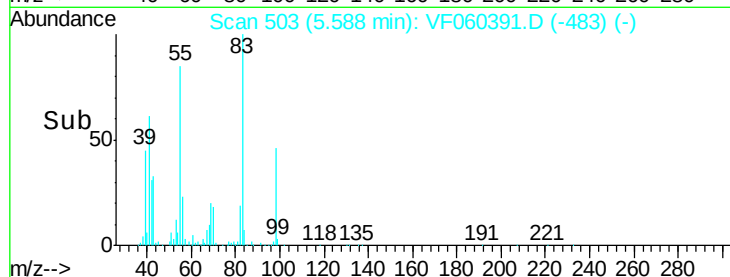
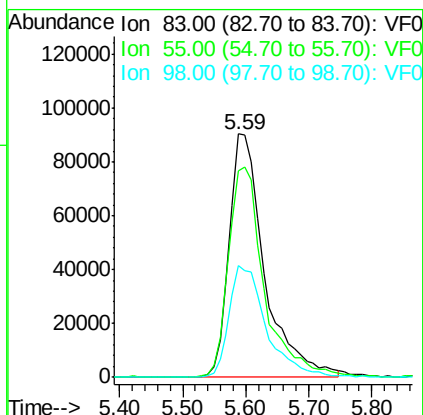
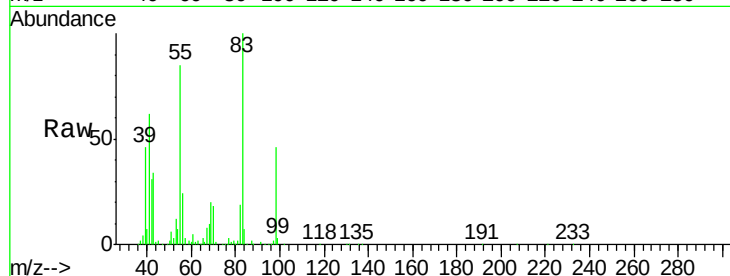




#39
Methylcyclohexane
Concen: 64.714 ug/l
RT: 5.59 min Scan# 503
Delta R.T. -0.00 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

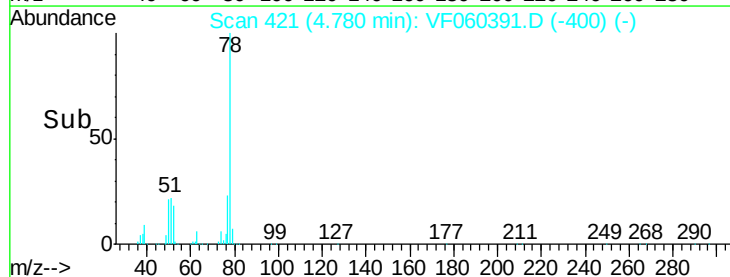
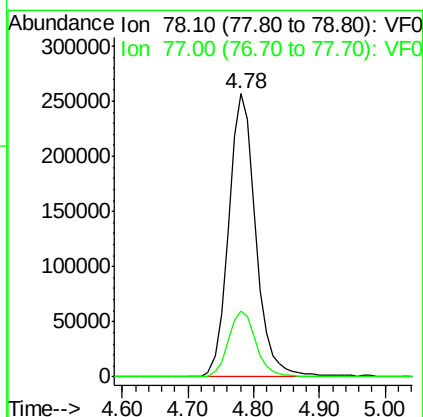
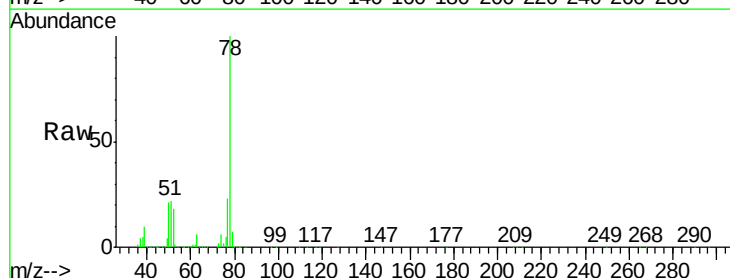
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

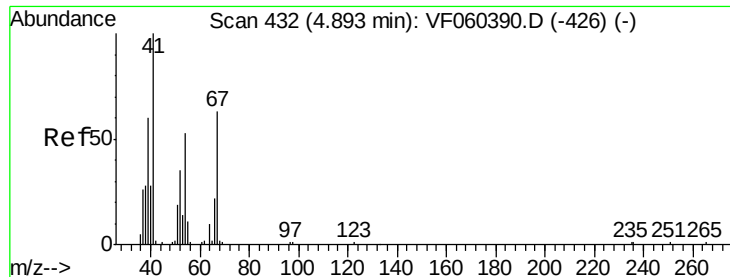
Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.9	77.5	116.3
98	46.0	38.7	58.1



#40
Benzene
Concen: 65.262 ug/l
RT: 4.78 min Scan# 421
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8

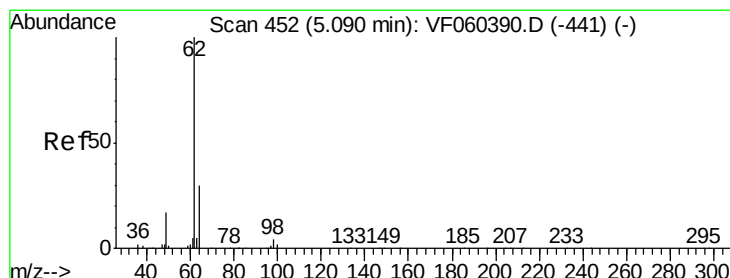
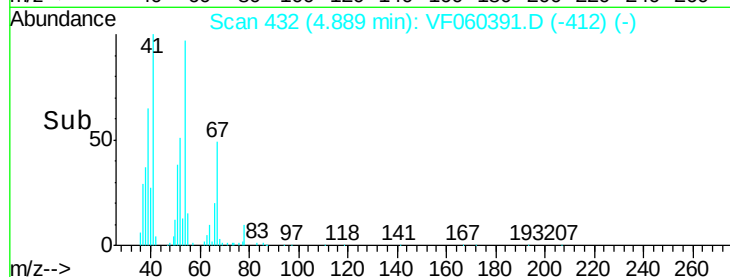
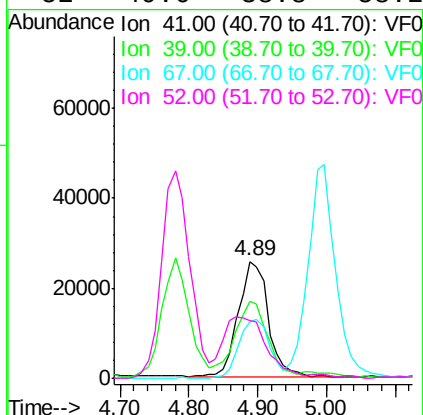
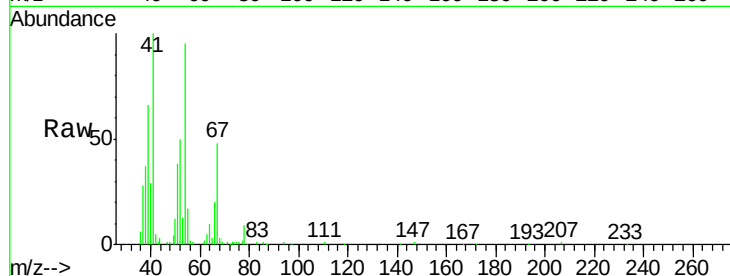




#41
Methacrylonitrile
Concen: 68.243 ug/l
RT: 4.89 min Scan# 432
Delta R.T. -0.00 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

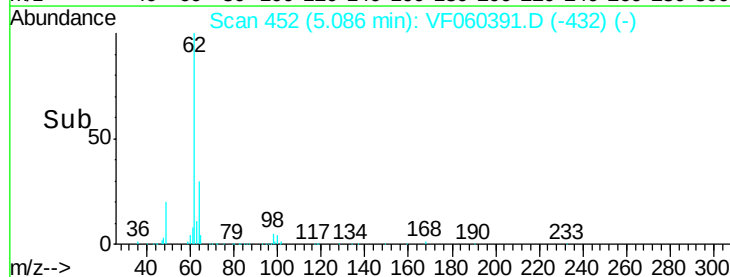
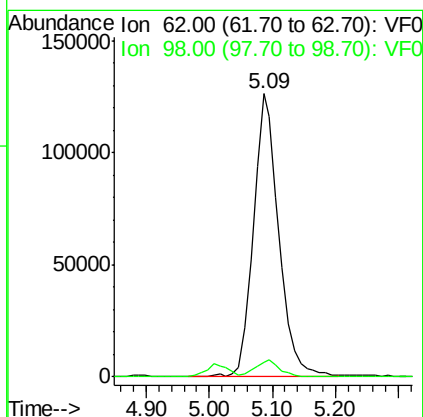
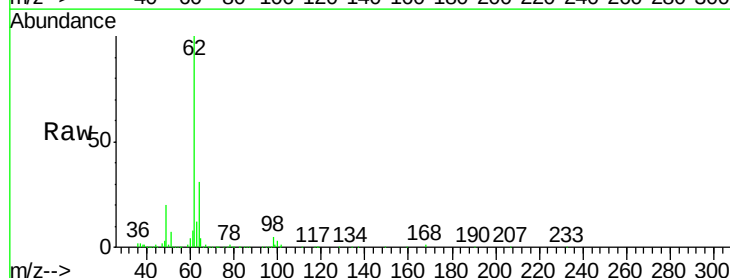
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

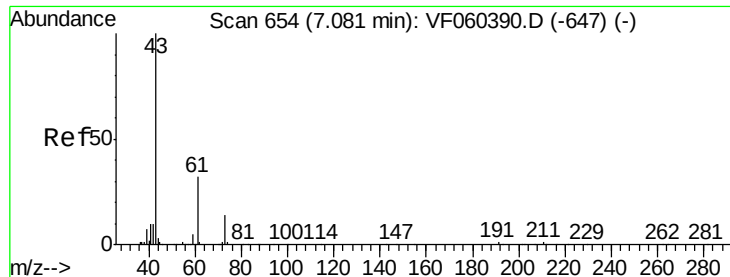
Tgt Ion:	41	Resp:	78204
Ion	Ratio	Lower	Upper
41	100		
39	66.3	55.0	82.4
67	47.7	49.6	74.4#
52	49.6	38.8	58.2



#42
1,2-Dichloroethane
Concen: 80.484 ug/l
RT: 5.09 min Scan# 452
Delta R.T. -0.00 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Tgt Ion:	62	Resp:	354316
Ion	Ratio	Lower	Upper
62	100		
98	5.2	0.0	11.2





#43

Isopropyl Acetate

Concen: 70.209 ug/l

RT: 7.09 min Scan# 655

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

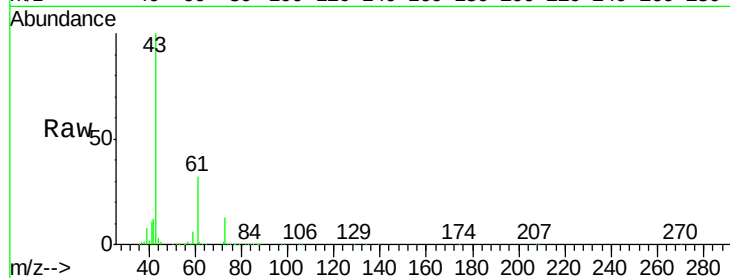
Tgt Ion: 43 Resp: 180747

Ion Ratio Lower Upper

43 100

61 32.0 25.4 38.2

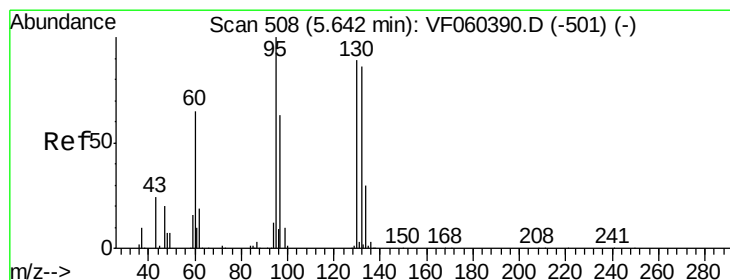
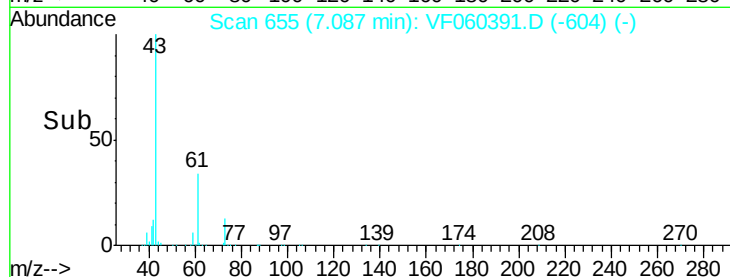
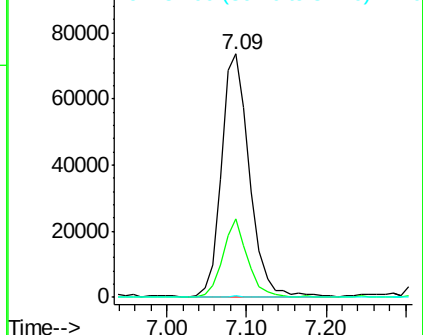
87 0.6 0.3 0.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 65.987 ug/l

RT: 5.65 min Scan# 509

Delta R.T. 0.01 min

Lab File: VF060391.D

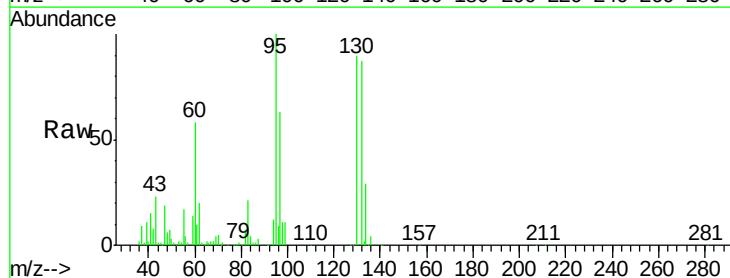
Acq: 1 Oct 2018 19:09

Tgt Ion: 130 Resp: 224781

Ion Ratio Lower Upper

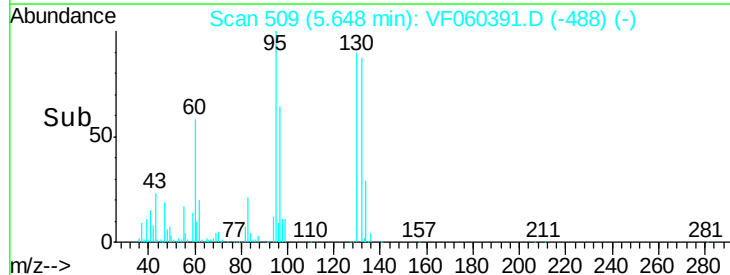
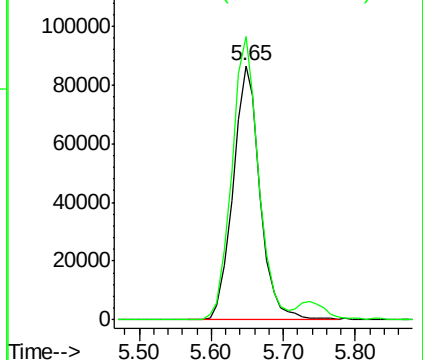
130 100

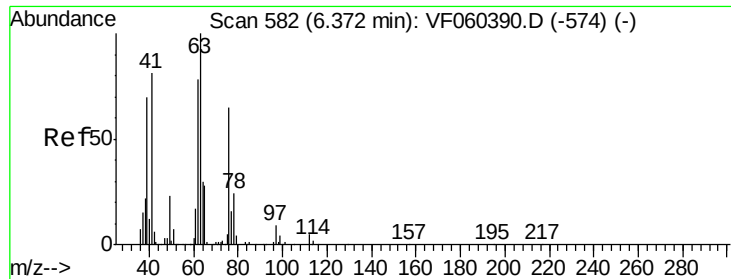
95 111.4 0.0 224.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

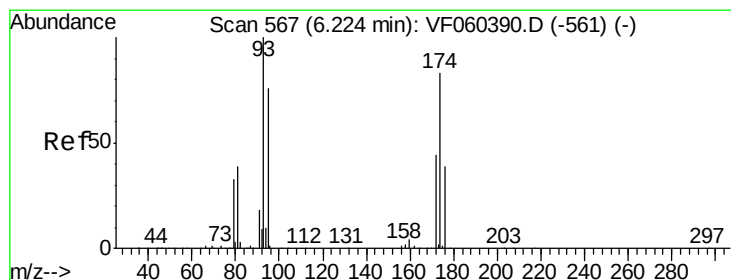
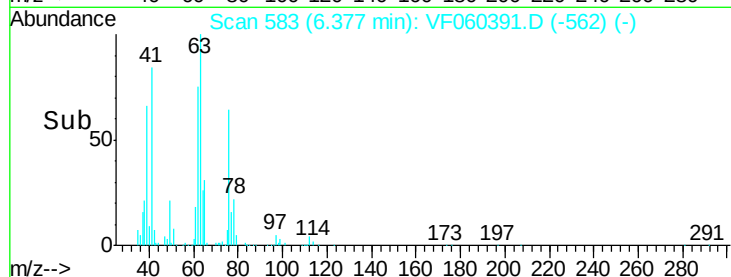
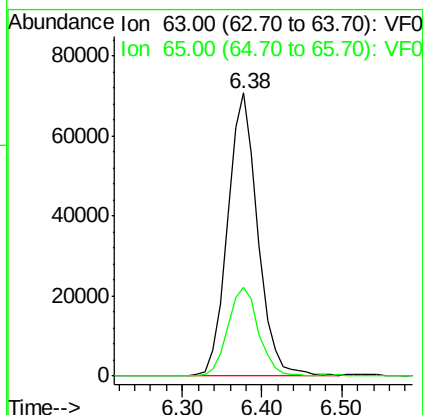
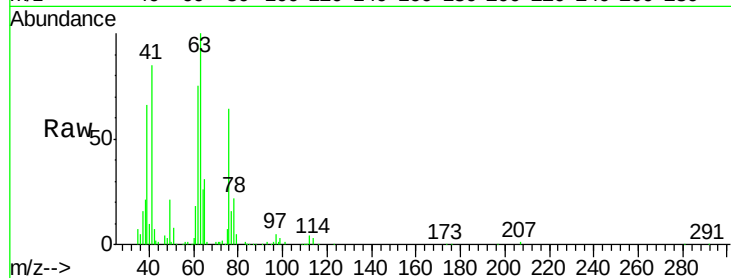




#45
 1,2-Dichloropropane
 Concen: 63.100 ug/l
 RT: 6.38 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

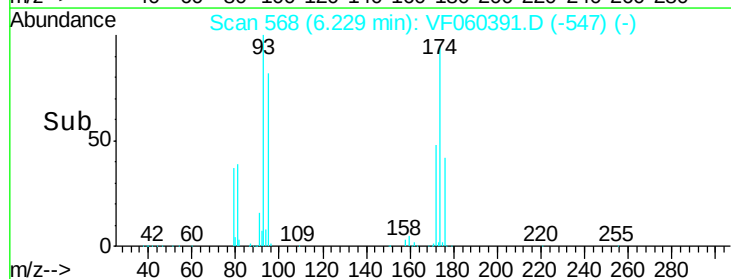
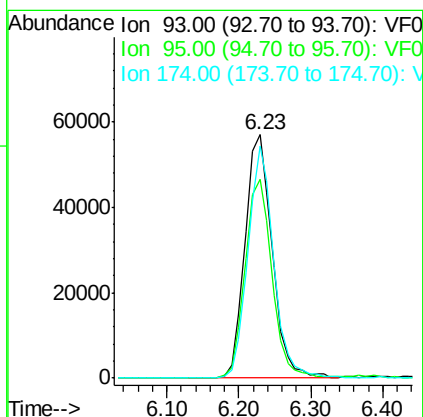
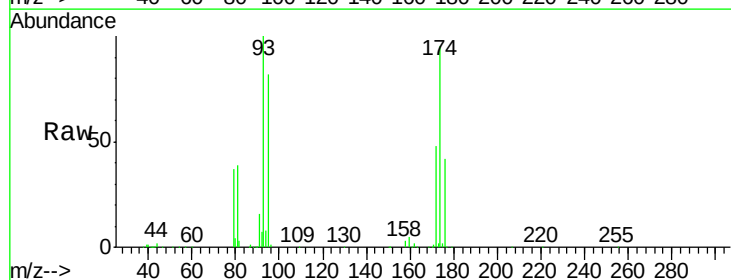
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

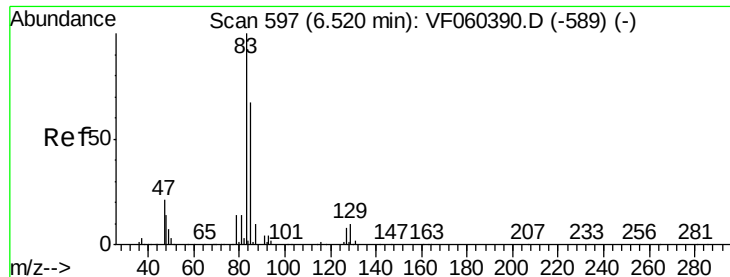
Tgt Ion: 63 Resp: 186928
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.7 34.1



#46
 Dibromomethane
 Concen: 69.884 ug/l
 RT: 6.23 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

Tgt Ion: 93 Resp: 151232
 Ion Ratio Lower Upper
 93 100
 95 81.8 61.1 91.7
 174 95.3 66.7 100.1





#47

Bromodichloromethane

Concen: 73.288 ug/l

RT: 6.52 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

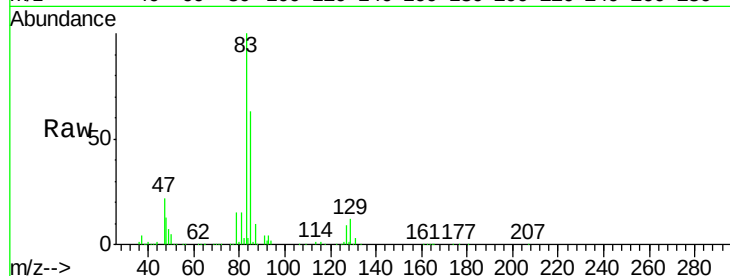
Tgt Ion: 83 Resp: 382981

Ion Ratio Lower Upper

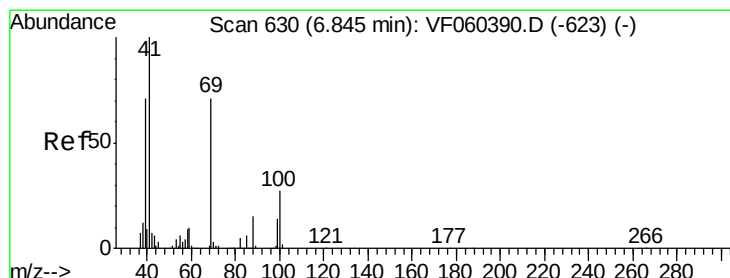
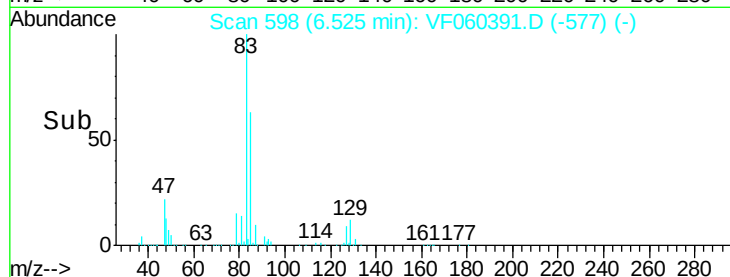
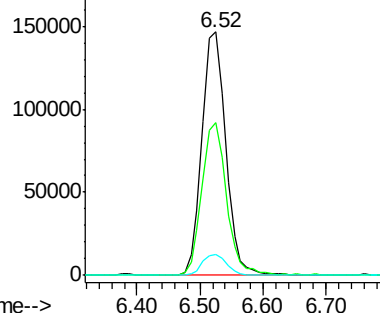
83 100

85 62.5 53.2 79.8

127 8.8 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 66.454 ug/l

RT: 6.85 min Scan# 631

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

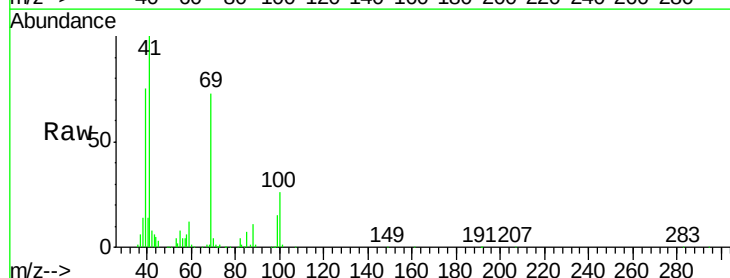
Tgt Ion: 41 Resp: 121681

Ion Ratio Lower Upper

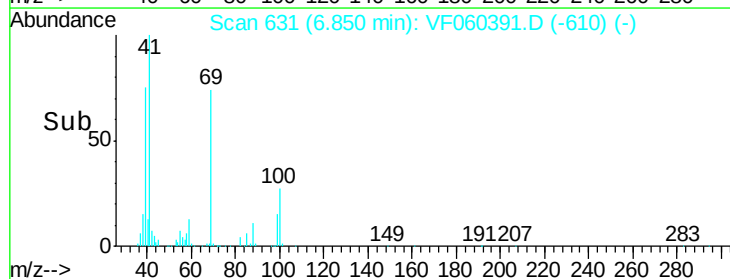
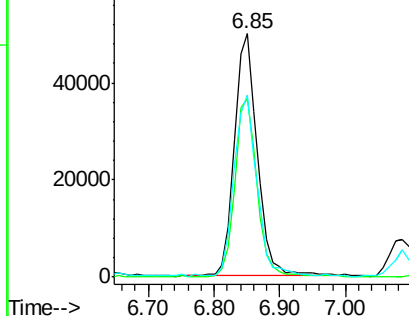
41 100

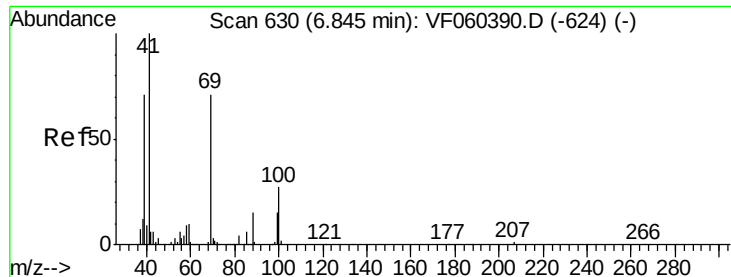
69 73.2 56.3 84.5

39 75.0 56.9 85.3



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

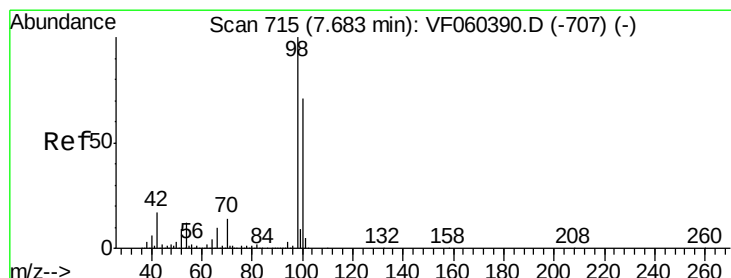
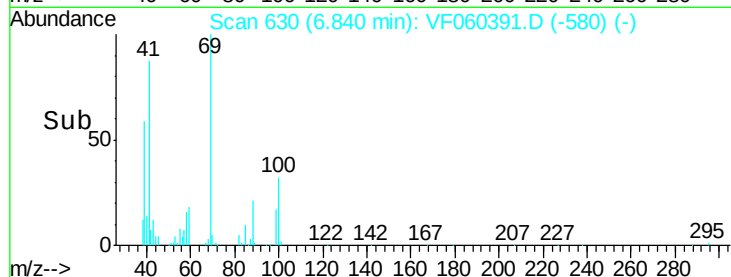
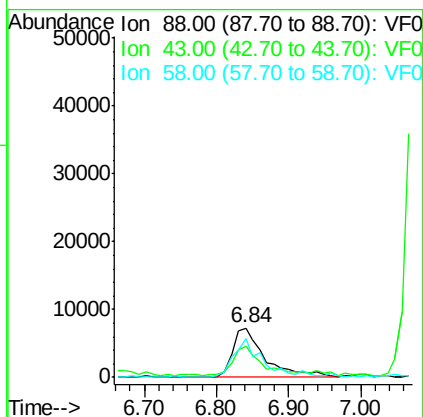
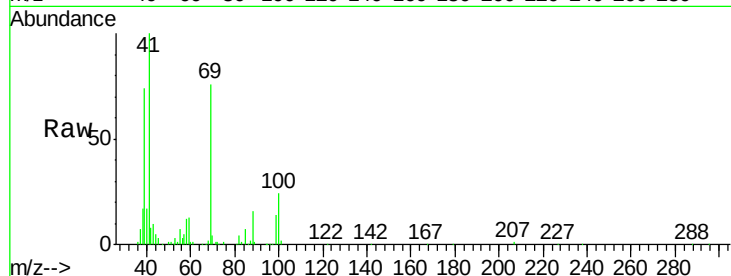




#49
1,4-Dioxane
Concen: 1417.125 ug/l
RT: 6.84 min Scan# 630
Delta R.T. -0.00 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

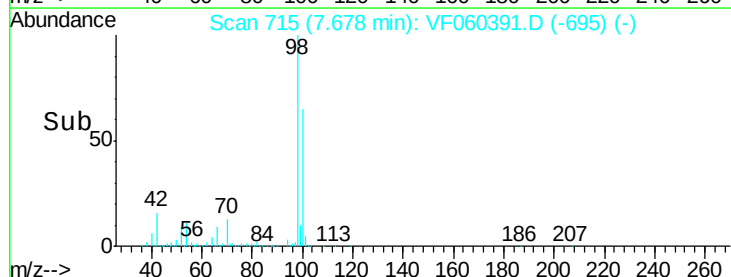
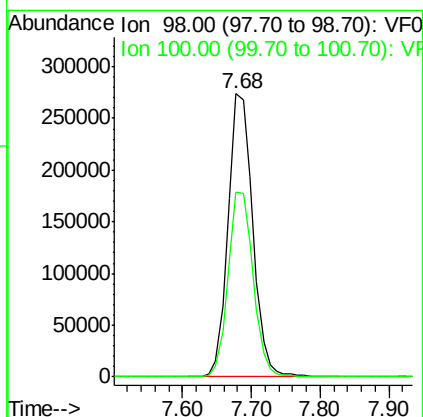
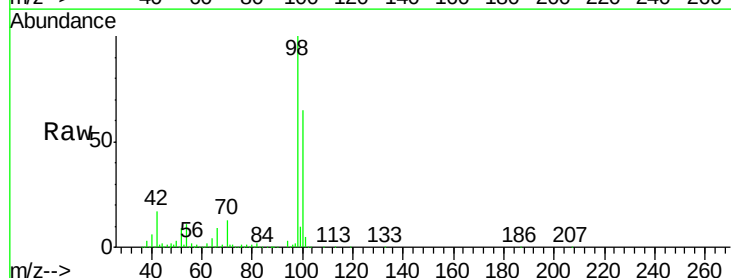
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

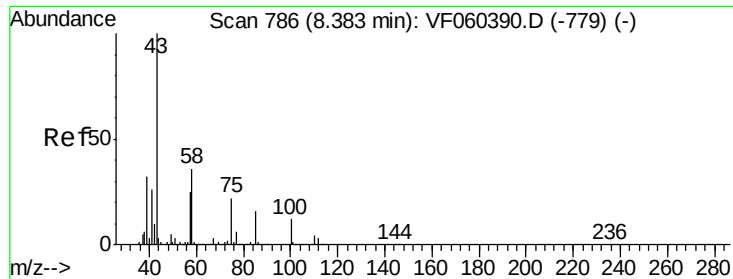
Tgt Ion: 88 Resp: 22964
Ion Ratio Lower Upper
88 100
43 62.2 38.3 57.5#
58 77.0 47.4 71.2#



#50
Toluene-d8
Concen: 71.076 ug/l
RT: 7.68 min Scan# 715
Delta R.T. -0.00 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Tgt Ion: 98 Resp: 681781
Ion Ratio Lower Upper
98 100
100 65.3 56.5 84.7

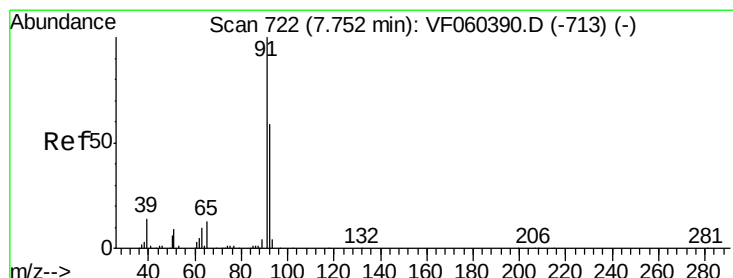
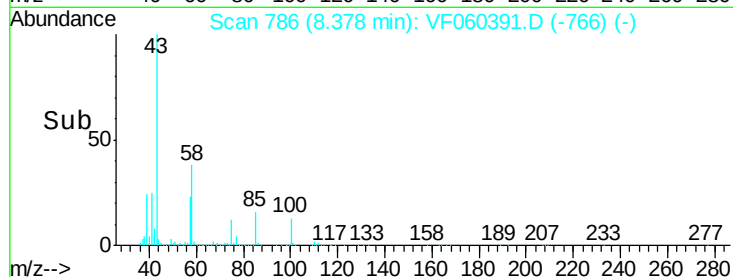
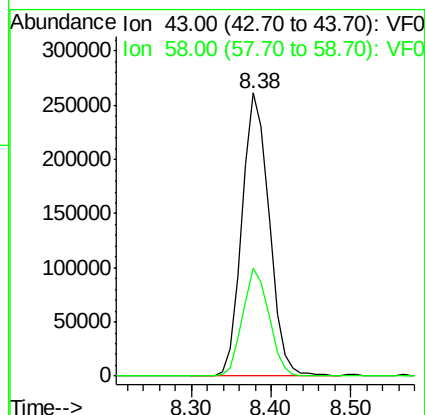
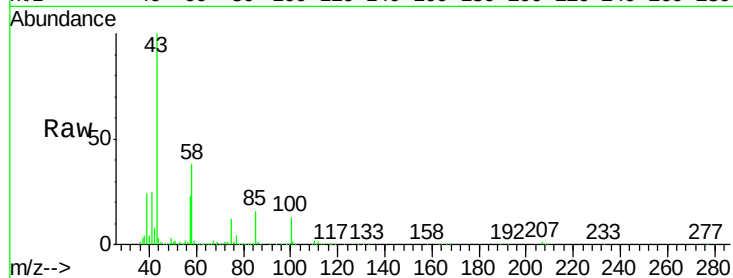




#51
4-Methyl-2-Pentanone
Concen: 318.287 ug/l
RT: 8.38 min Scan# 786
Delta R.T. -0.00 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

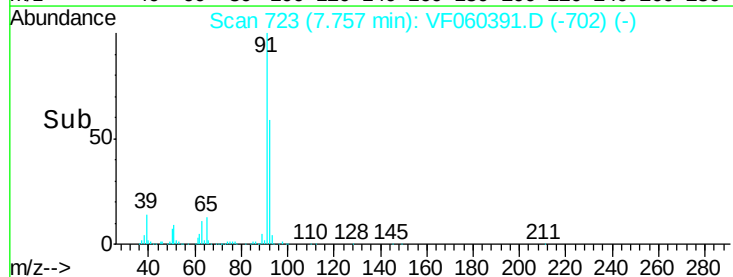
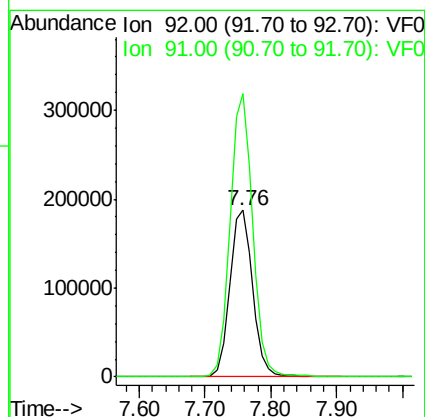
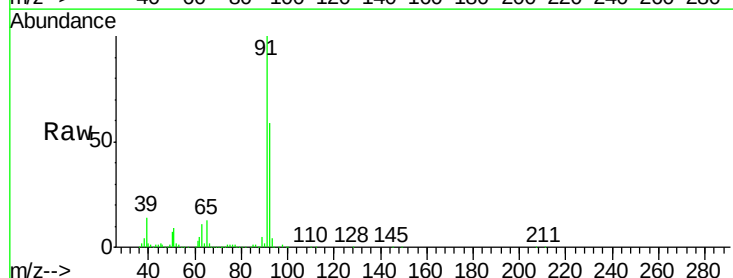
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

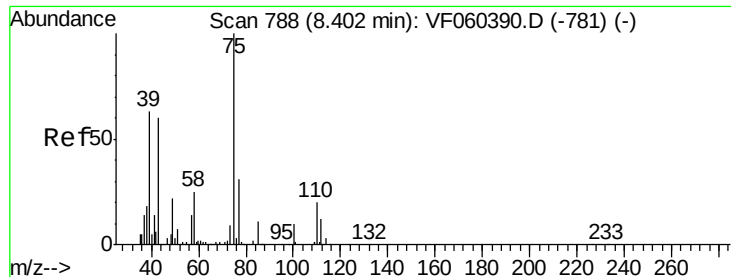
Tgt Ion: 43 Resp: 615115
Ion Ratio Lower Upper
43 100
58 38.3 28.5 42.7



#52
Toluene
Concen: 62.886 ug/l
RT: 7.76 min Scan# 723
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Tgt Ion: 92 Resp: 456322
Ion Ratio Lower Upper
92 100
91 170.2 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 69.794 ug/l

RT: 8.41 min Scan# 789

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

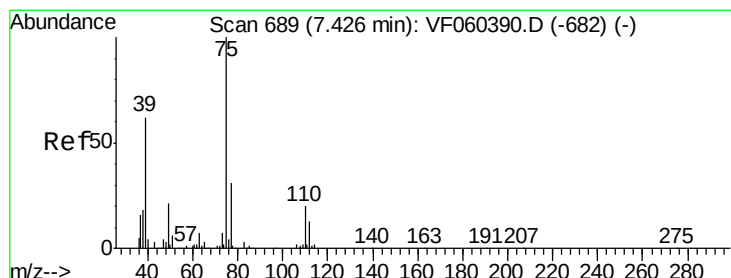
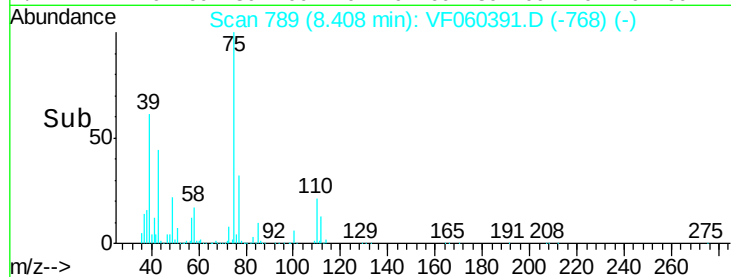
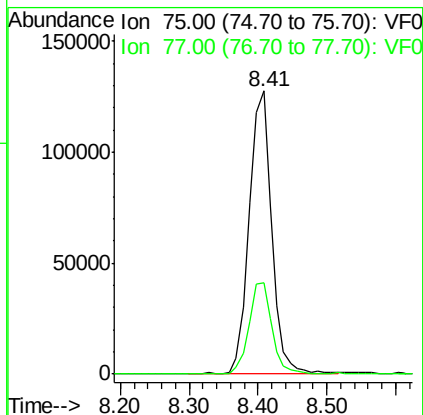
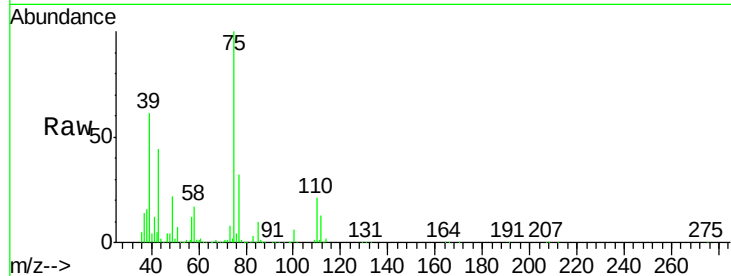
VSTDIC075

Tgt Ion: 75 Resp: 290751

Ion Ratio Lower Upper

75 100

77 32.3 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 67.873 ug/l

RT: 7.43 min Scan# 690

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

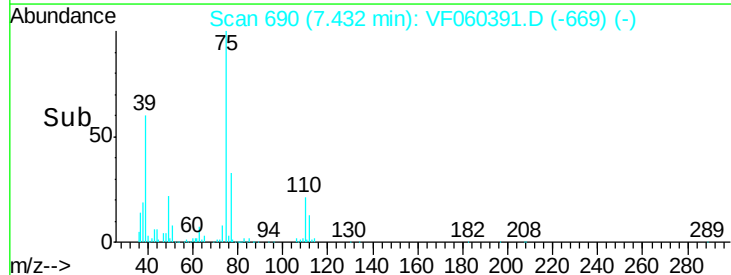
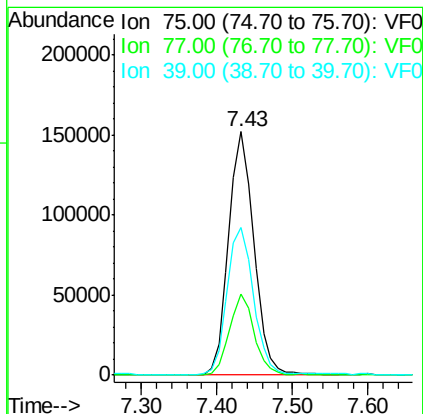
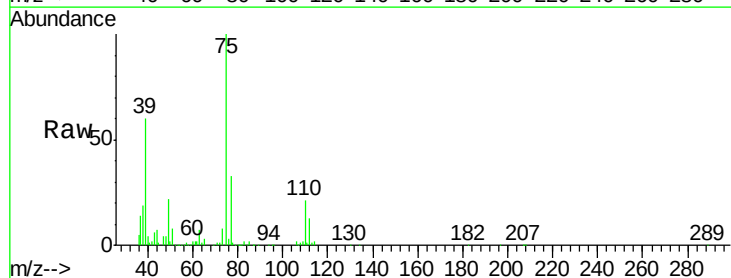
Tgt Ion: 75 Resp: 354787

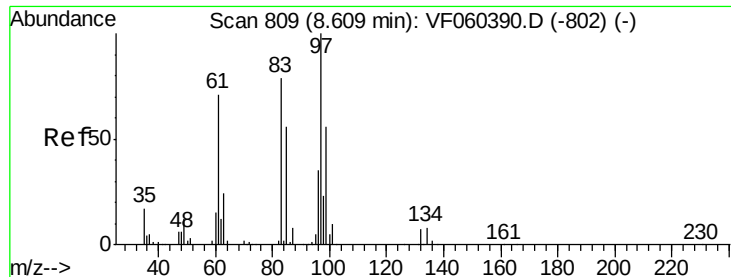
Ion Ratio Lower Upper

75 100

77 33.3 25.2 37.8

39 60.4 49.7 74.5





#55

1,1,2-Trichloroethane

Concen: 68.888 ug/l

RT: 8.61 min Scan# 810

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 97 Resp: 151668

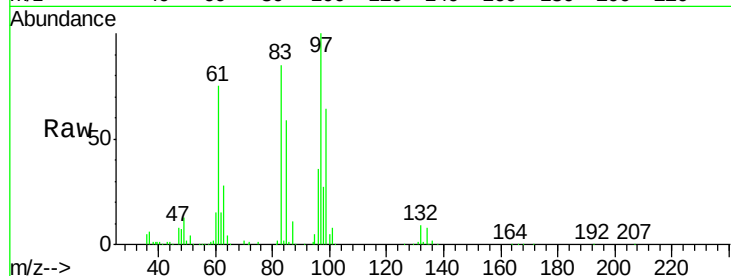
Ion Ratio Lower Upper

97 100

83 84.9 63.4 95.0

85 59.0 44.5 66.7

99 63.9 45.1 67.7

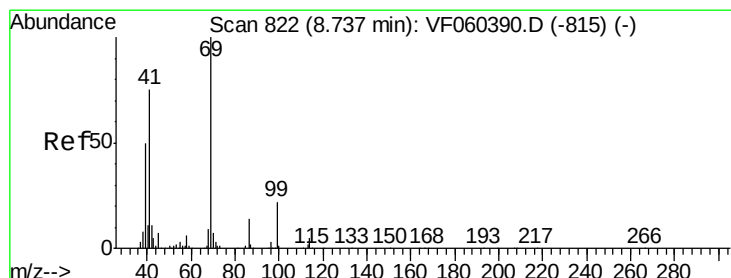
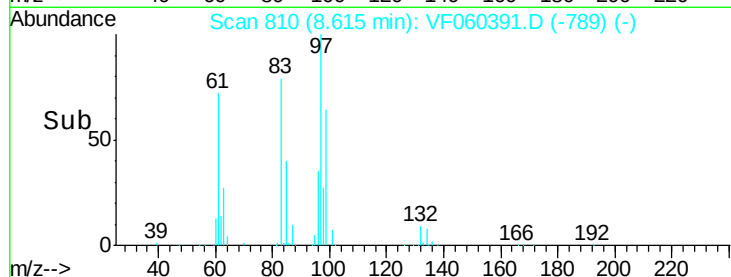
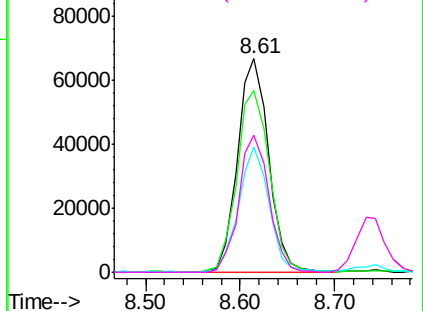


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 70.383 ug/l

RT: 8.73 min Scan# 822

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

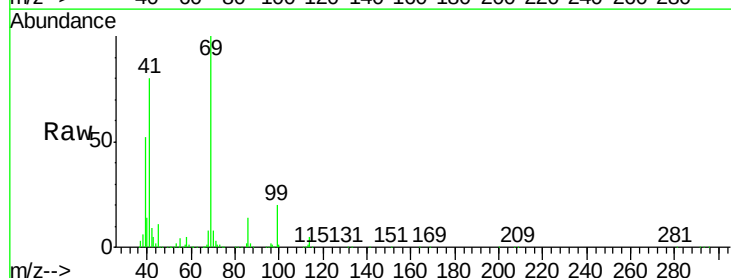
Tgt Ion: 69 Resp: 187356

Ion Ratio Lower Upper

69 100

41 80.2 60.2 90.4

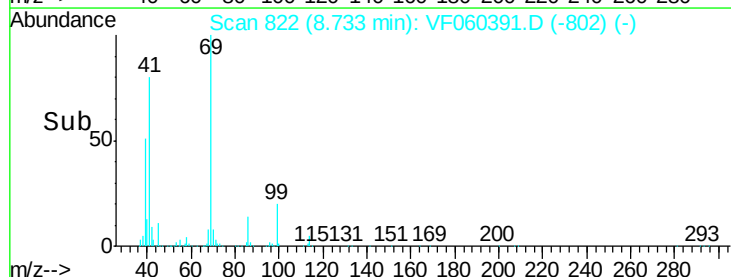
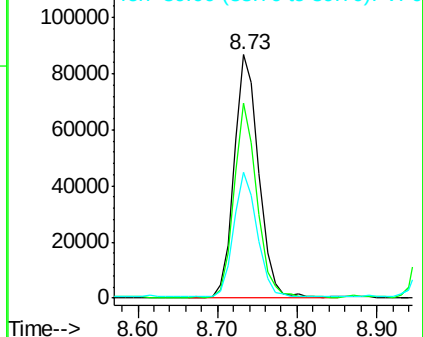
39 51.9 40.2 60.2

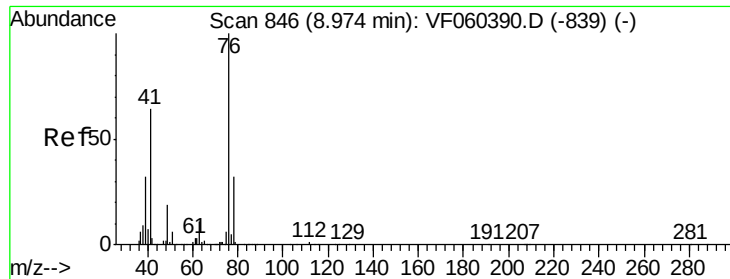


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 71.786 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

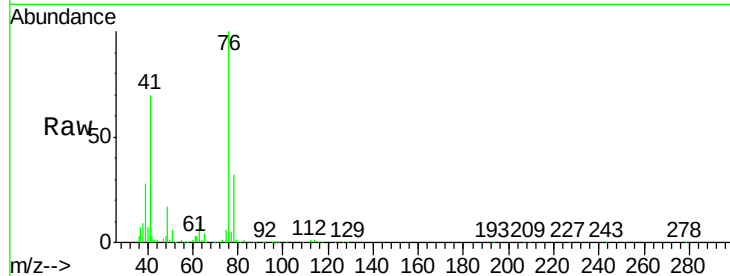
VSTDIC075

Tgt Ion: 76 Resp: 262822

Ion Ratio Lower Upper

76 100

78 32.5 25.3 37.9



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

8.98

120000

100000

80000

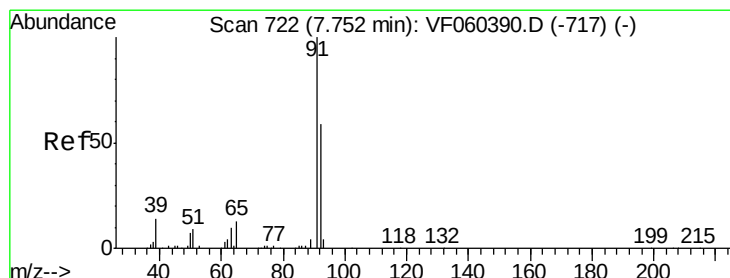
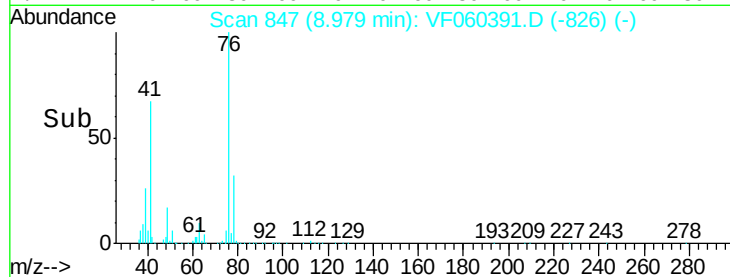
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 341.638 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060391.D

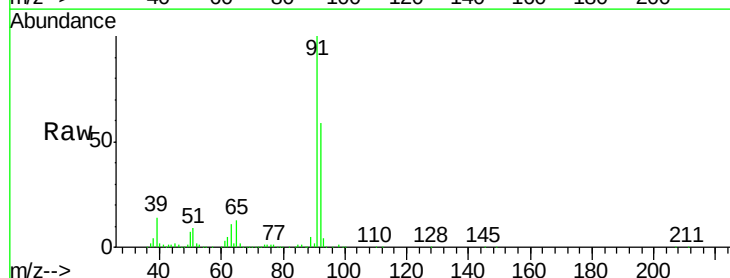
Acq: 1 Oct 2018 19:09

Tgt Ion: 63 Resp: 82429

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.76

40000

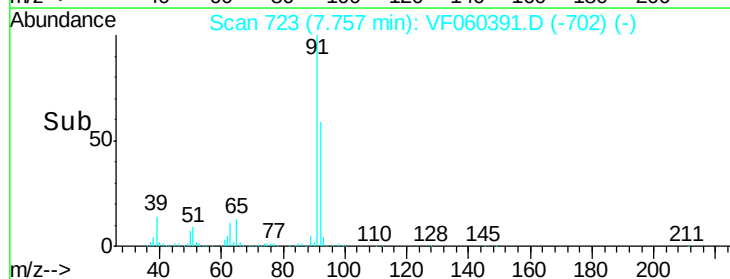
30000

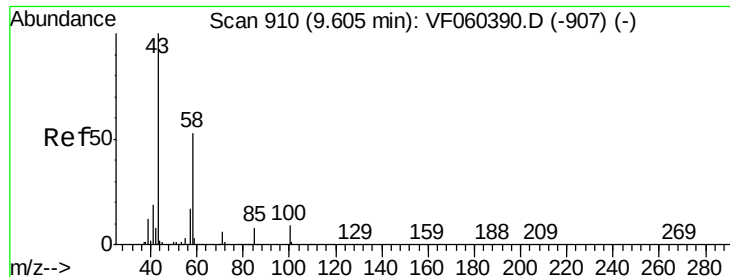
20000

10000

0

Time-->

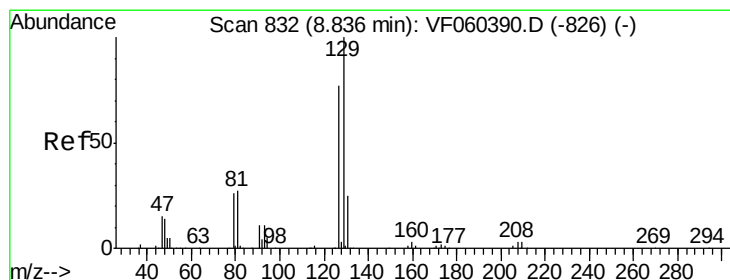
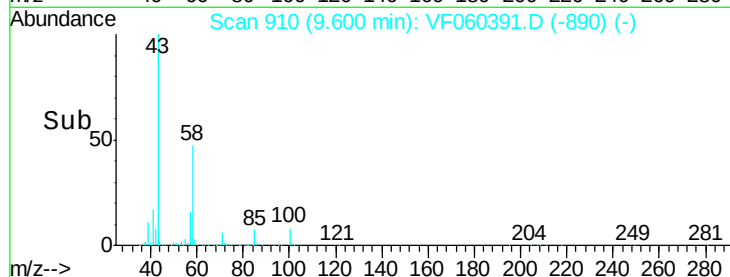
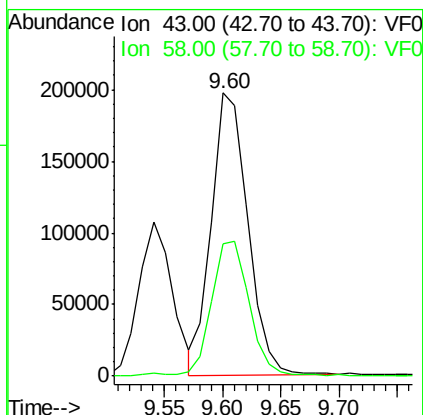
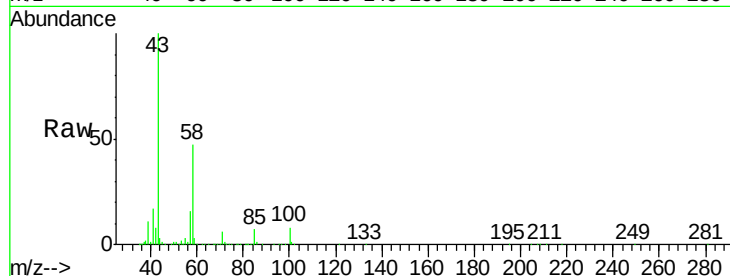




#59
2-Hexanone
Concen: 314.075 ug/l
RT: 9.60 min Scan# 910
Delta R.T. -0.00 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

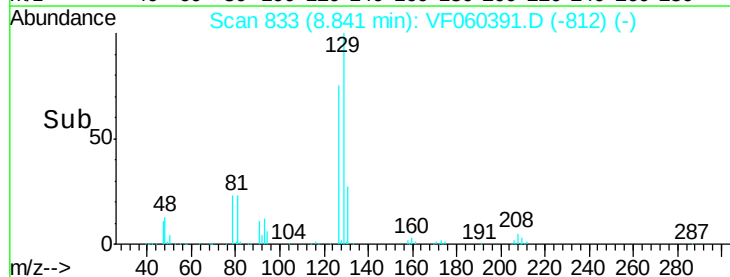
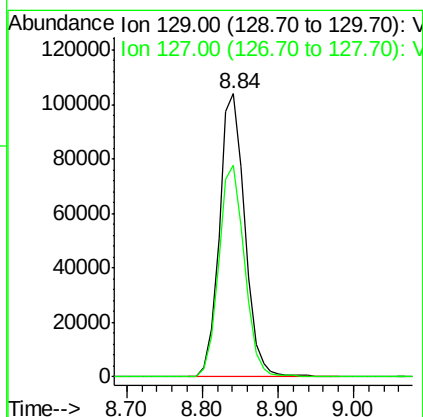
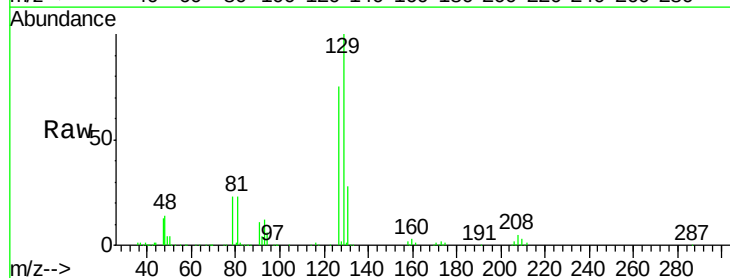
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

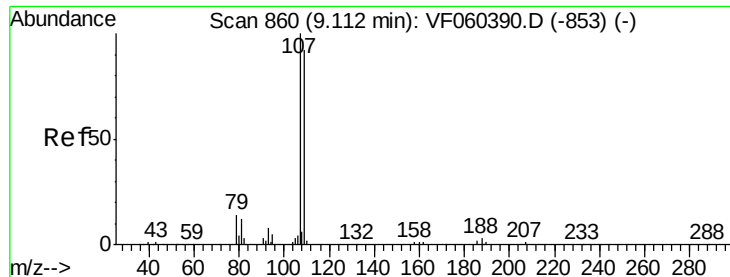
Tgt Ion: 43 Resp: 429186
Ion Ratio Lower Upper
43 100
58 46.8 25.6 76.6



#60
Dibromochloromethane
Concen: 73.019 ug/l
RT: 8.84 min Scan# 833
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Tgt Ion: 129 Resp: 242282
Ion Ratio Lower Upper
129 100
127 75.0 38.3 114.8





#61

1,2-Dibromoethane

Concen: 71.388 ug/l

RT: 9.11 min Scan# 860

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

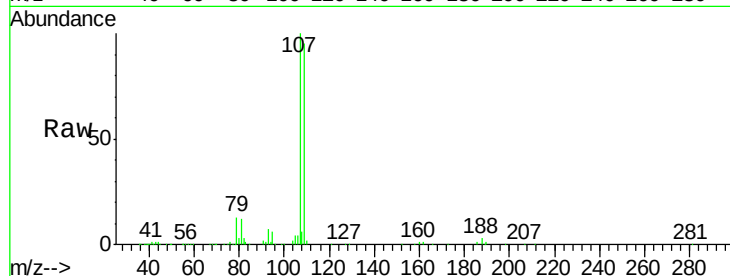
VSTDIC075

Tgt Ion: 107 Resp: 176984

Ion Ratio Lower Upper

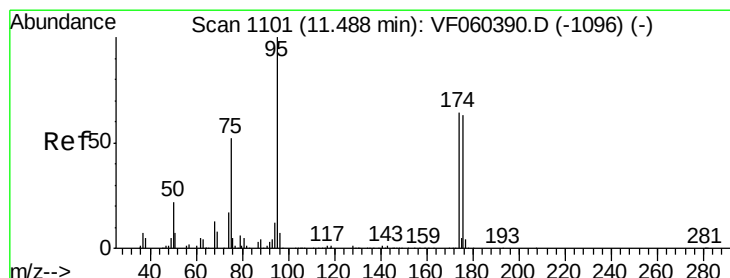
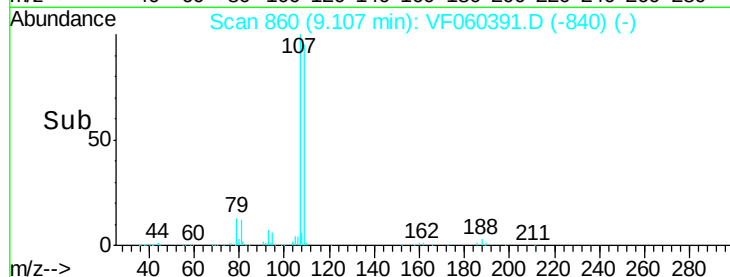
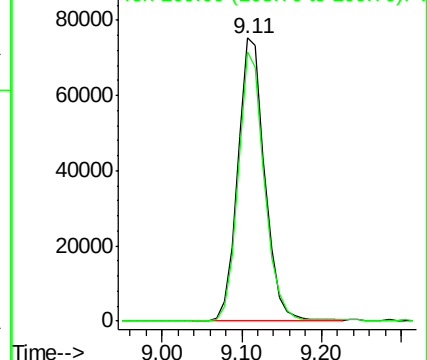
107 100

109 95.2 73.7 110.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 73.141 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

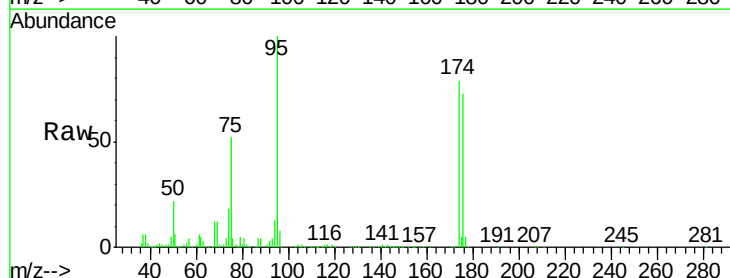
Tgt Ion: 95 Resp: 305830

Ion Ratio Lower Upper

95 100

174 78.9 0.0 129.0

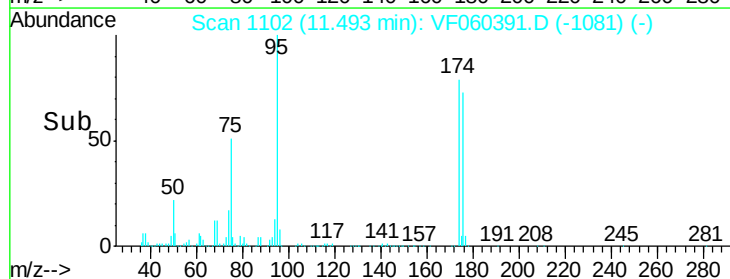
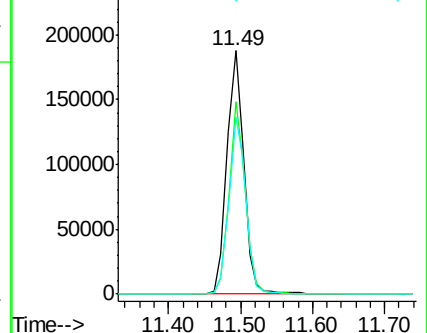
176 73.0 0.0 125.6

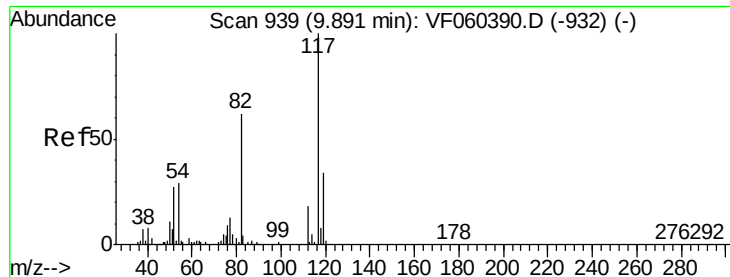


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

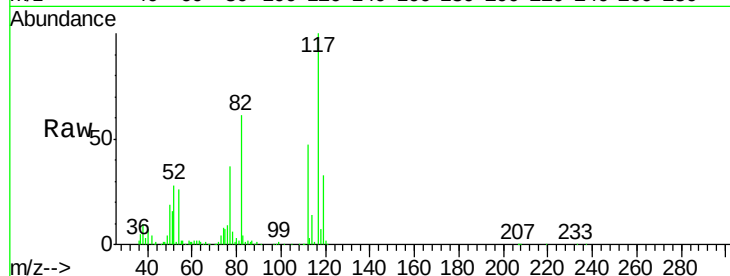
Tgt Ion:117 Resp: 355463

Ion Ratio Lower Upper

117 100

82 61.1 49.5 74.3

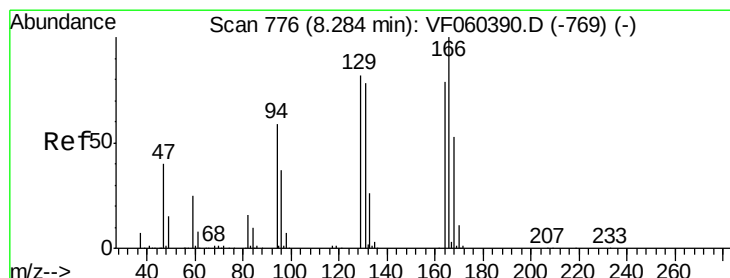
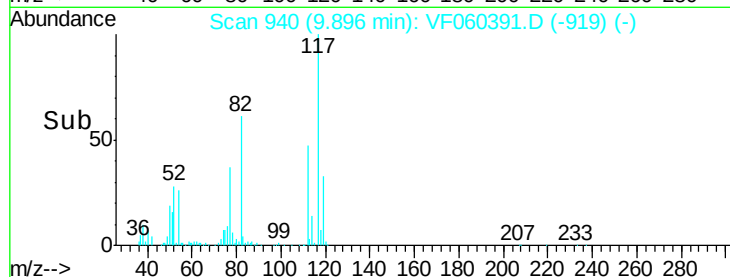
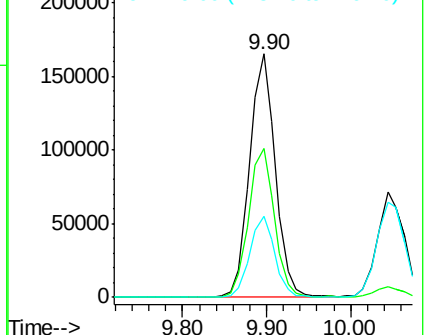
119 33.5 27.0 40.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 64.457 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Tgt Ion:164 Resp: 204539

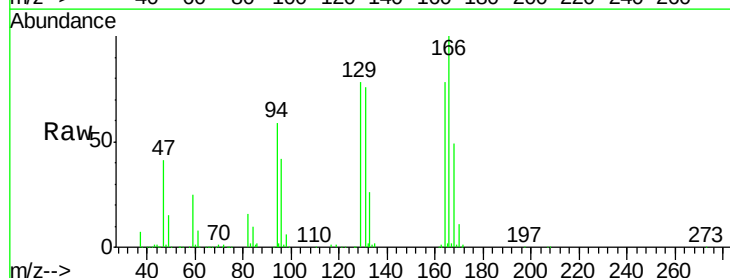
Ion Ratio Lower Upper

164 100

166 128.8 101.0 151.6

129 100.1 82.5 123.7

131 97.8 79.2 118.8

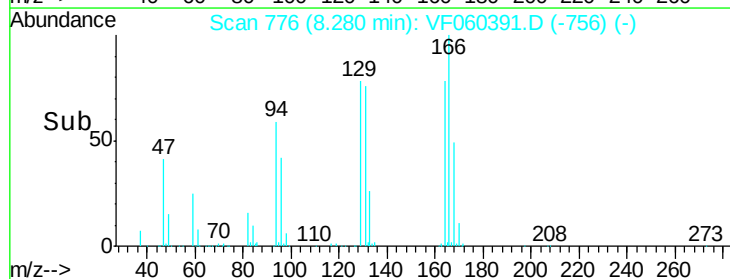
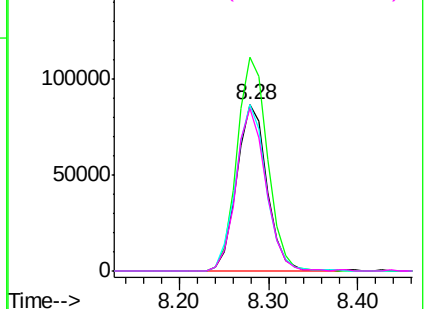


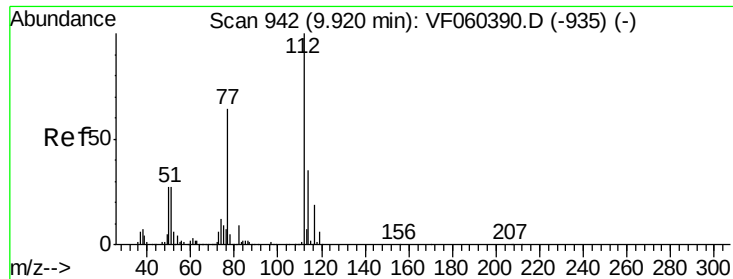
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 66.875 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

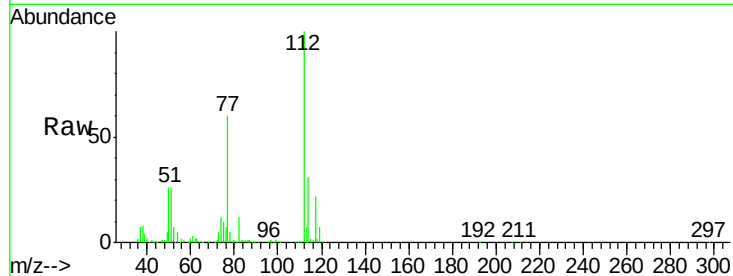
VSTDIC075

Tgt Ion:112 Resp: 532746

Ion Ratio Lower Upper

112 100

114 31.1 27.7 41.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.92

250000

200000

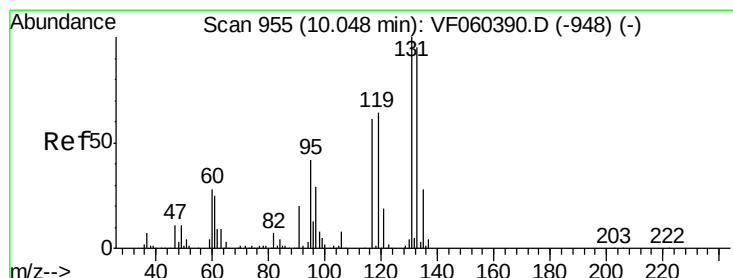
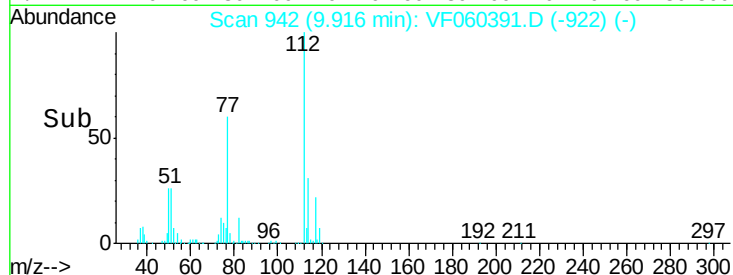
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 69.345 ug/l

RT: 10.04 min Scan# 955

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

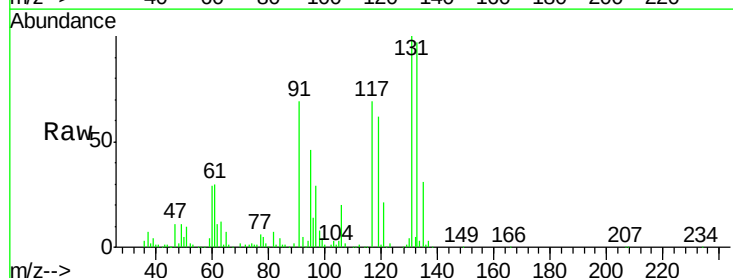
Tgt Ion:131 Resp: 232626

Ion Ratio Lower Upper

131 100

133 96.7 47.3 141.8

119 62.5 32.3 96.9



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

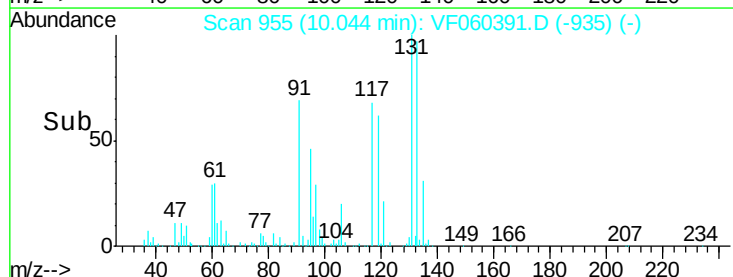
10.04

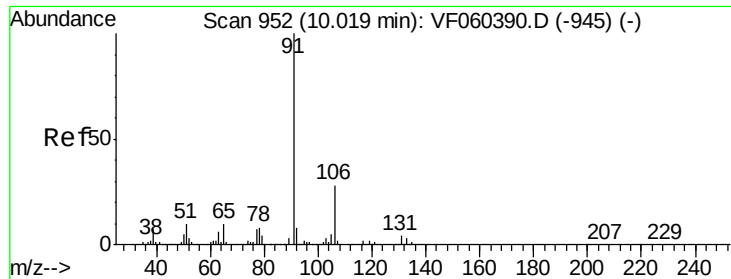
100000

50000

0

Time-->

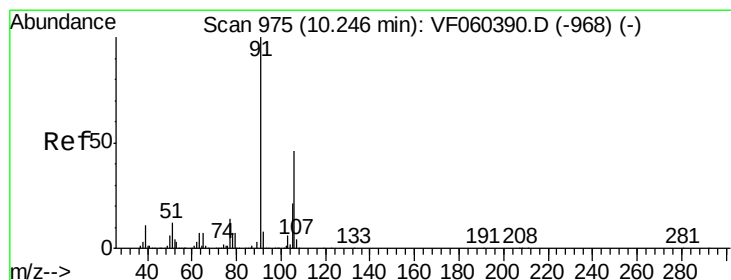
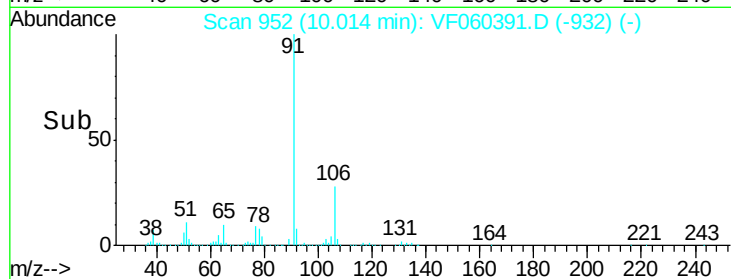
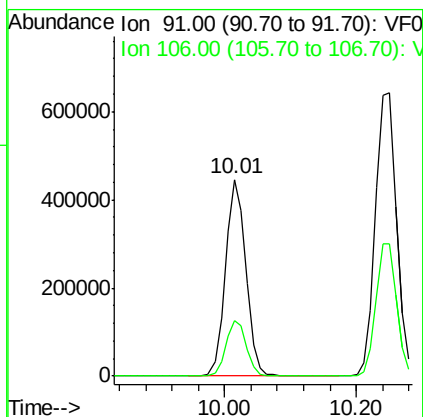
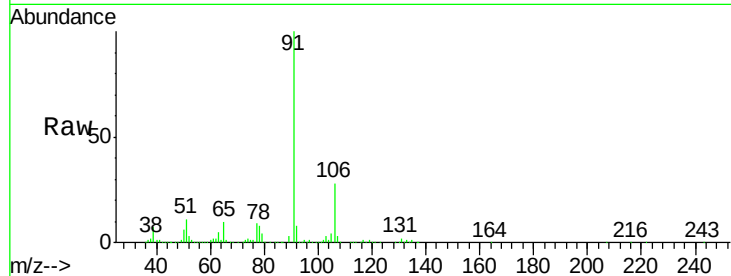




#67
Ethyl Benzene
Concen: 65.525 ug/l
RT: 10.01 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

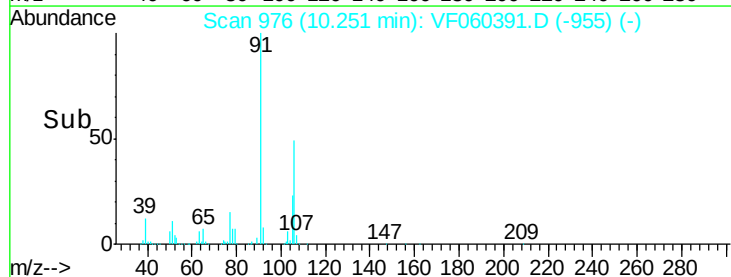
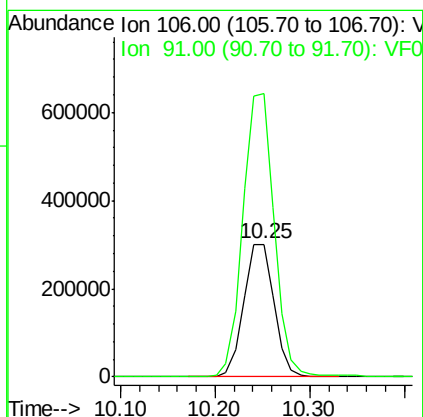
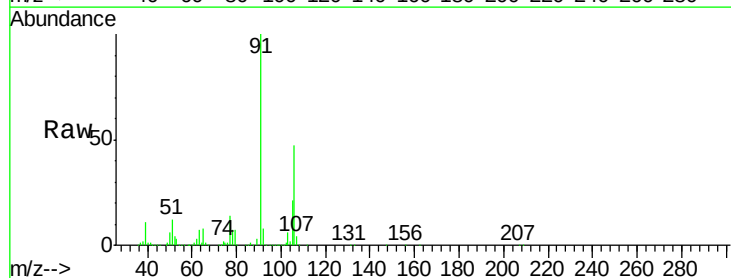
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

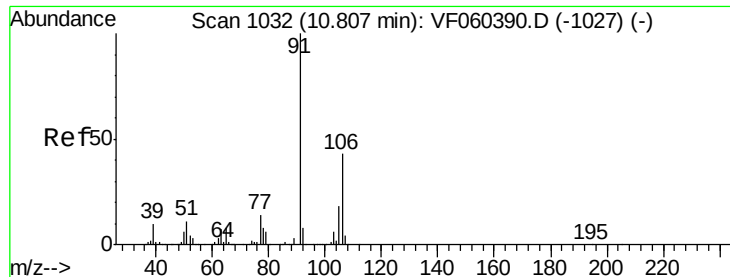
Tgt Ion: 91 Resp: 969509
Ion Ratio Lower Upper
91 100
106 28.3 22.5 33.7



#68
m/p-Xylenes
Concen: 131.575 ug/l
RT: 10.25 min Scan# 976
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Tgt Ion: 106 Resp: 671985
Ion Ratio Lower Upper
106 100
91 213.5 175.0 262.6

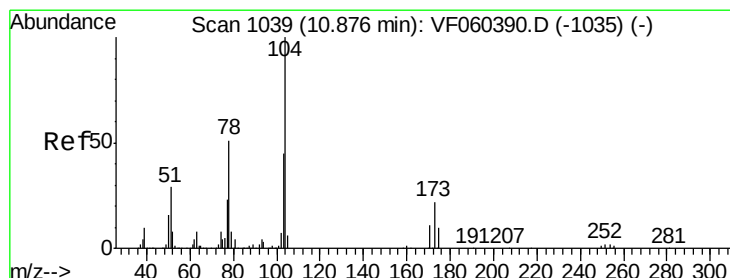
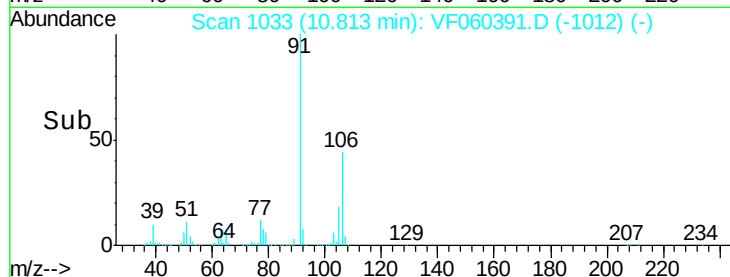
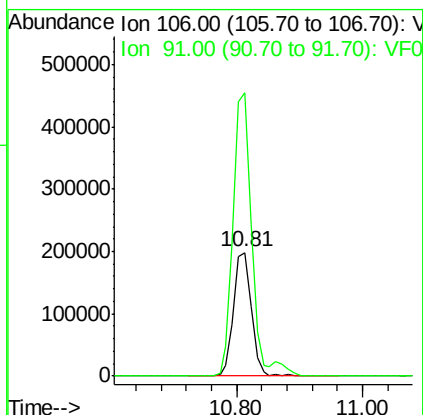
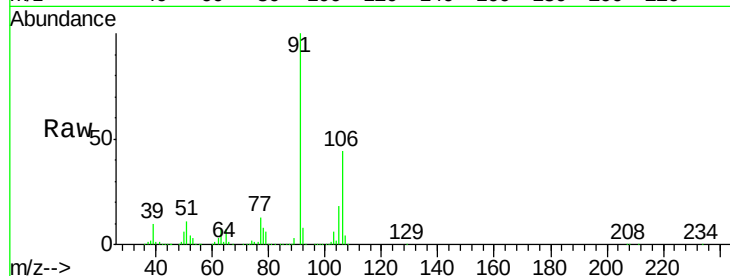




#69
o-Xylene
Concen: 67.653 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

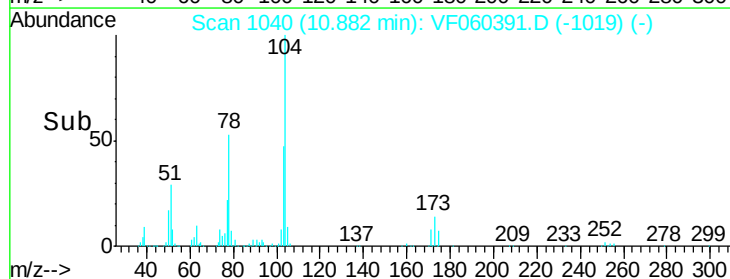
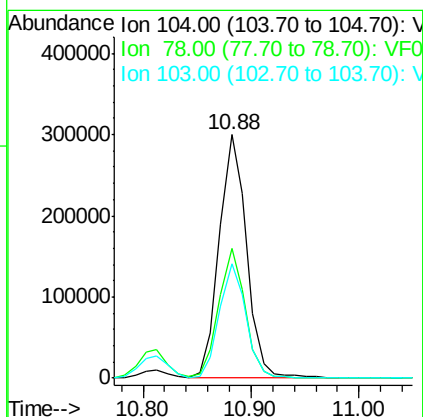
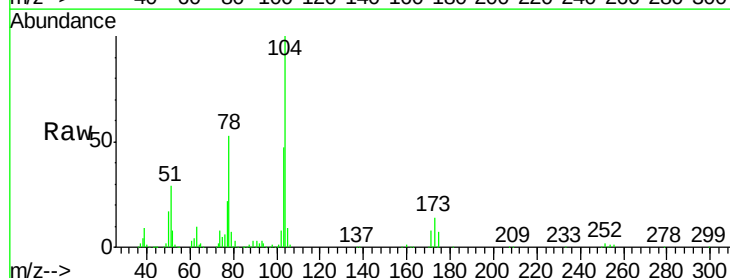
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

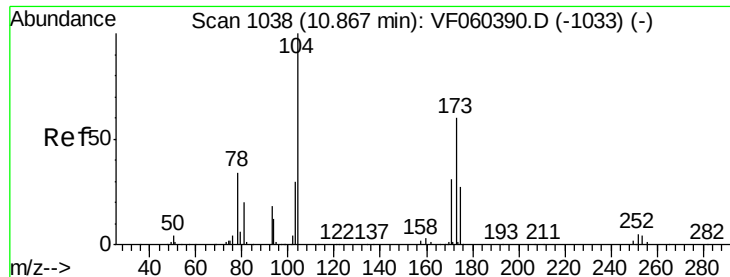
Tgt Ion:106 Resp: 386688
Ion Ratio Lower Upper
106 100
91 229.1 115.1 345.2



#70
Styrene
Concen: 65.258 ug/l
RT: 10.88 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Tgt Ion:104 Resp: 524620
Ion Ratio Lower Upper
104 100
78 53.1 41.0 61.4
103 47.1 36.4 54.6





#71

Bromoform

Concen: 72.595 ug/l

RT: 10.87 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

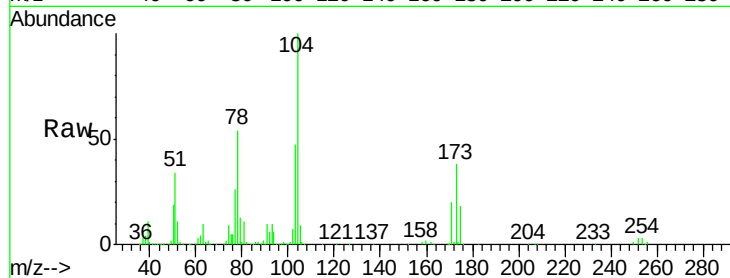
Tgt Ion:173 Resp: 132810

Ion Ratio Lower Upper

173 100

175 48.4 22.1 66.1

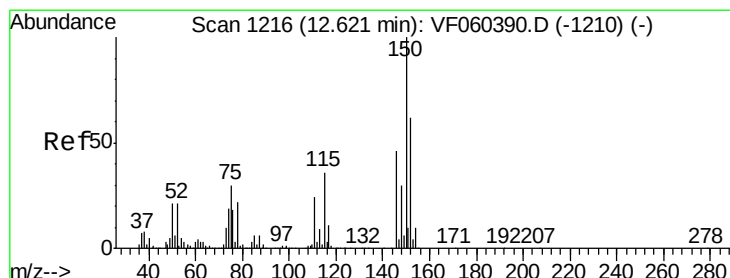
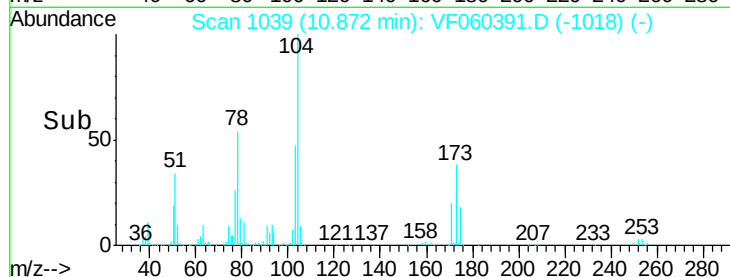
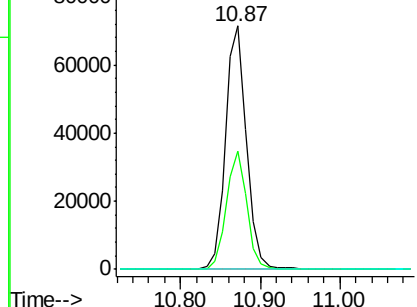
254 0.3 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

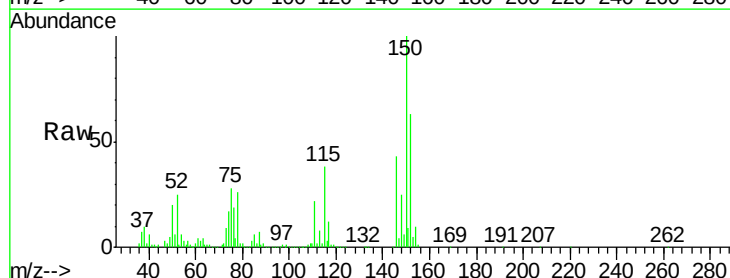
Tgt Ion:152 Resp: 204327

Ion Ratio Lower Upper

152 100

115 59.8 28.6 85.8

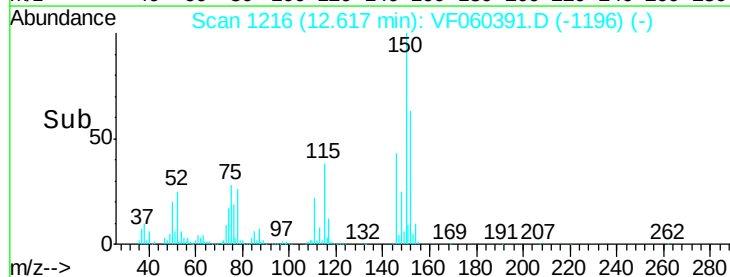
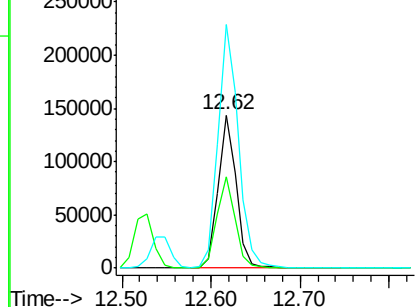
150 158.8 0.0 324.6

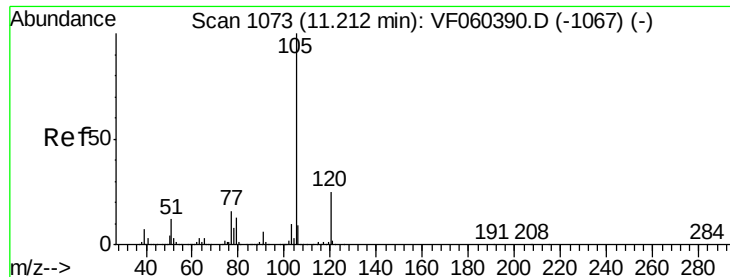


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 62.476 ug/l

RT: 11.21 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

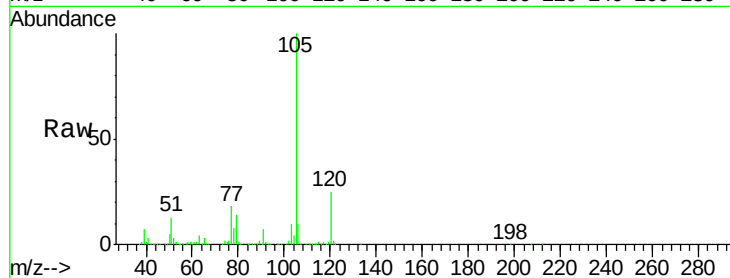
VSTDIC075

Tgt Ion:105 Resp: 1126982

Ion Ratio Lower Upper

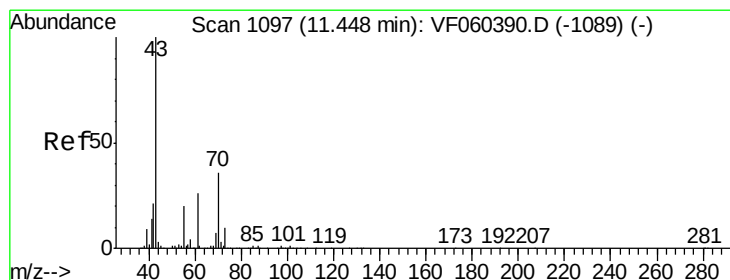
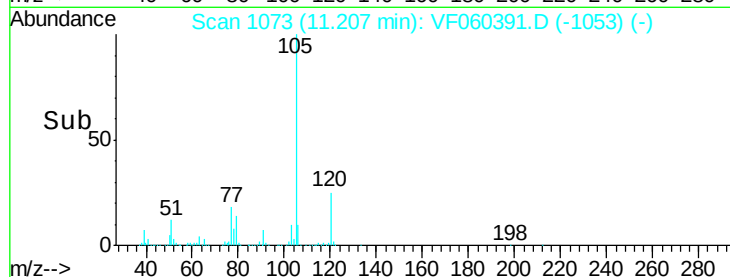
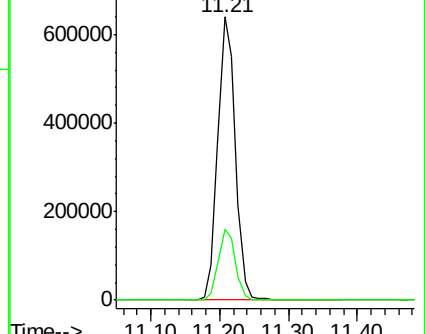
105 100

120 25.0 12.3 36.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 70.148 ug/l

RT: 11.44 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Tgt Ion: 43 Resp: 274131

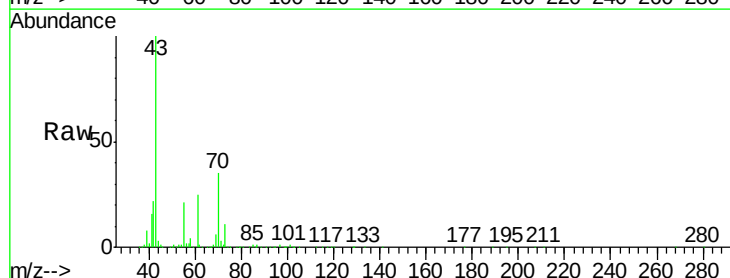
Ion Ratio Lower Upper

43 100

70 35.0 29.1 43.7

55 20.9 16.3 24.5

61 25.0 21.0 31.4

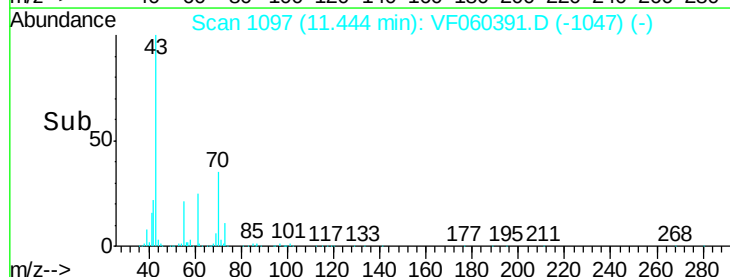
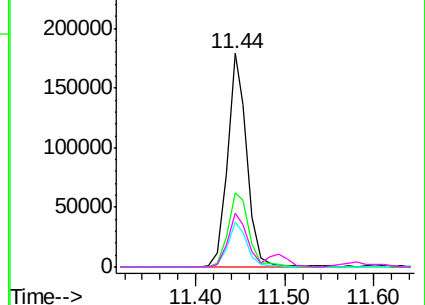


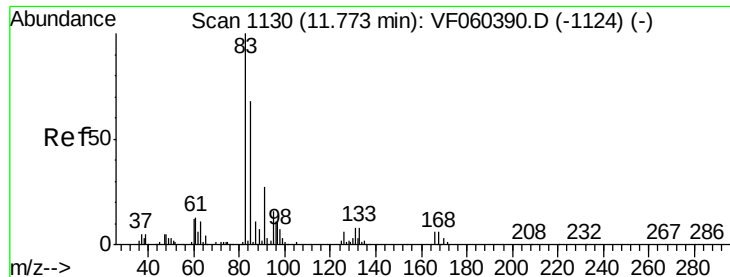
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 68.653 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

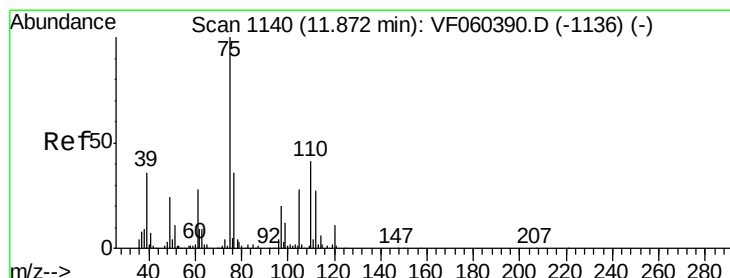
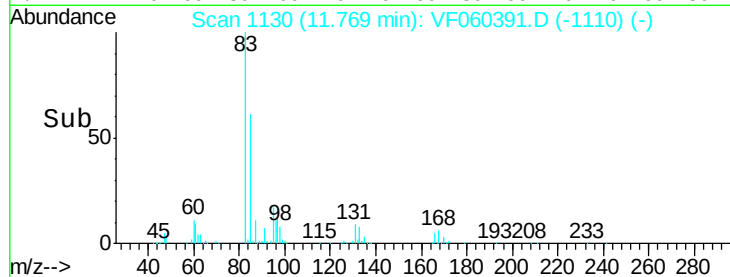
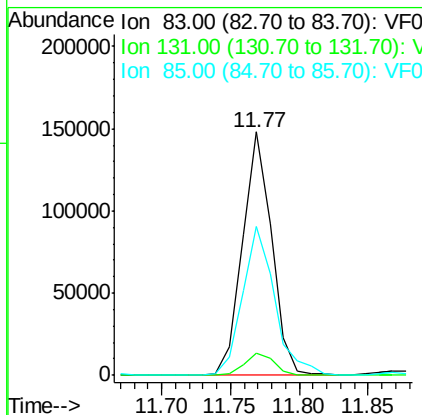
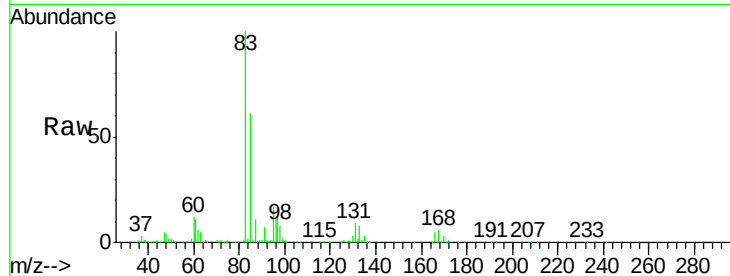
Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion:	83	Resp:	219829
Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.0	12.0
85	61.2	34.0	102.0



#76

1,2,3-Trichloropropane

Concen: 68.546 ug/l

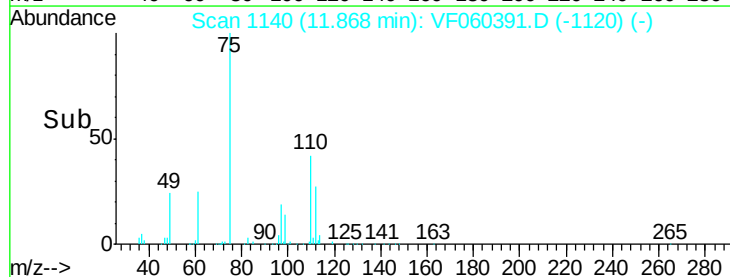
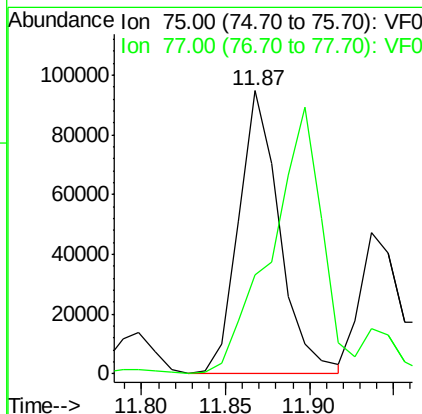
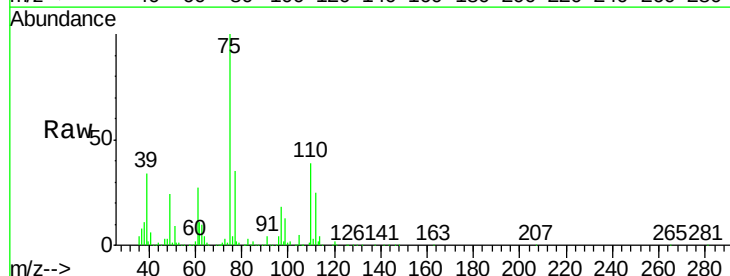
RT: 11.87 min Scan# 1140

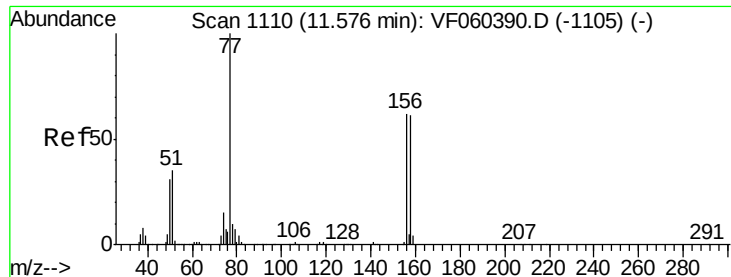
Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Tgt Ion:	75	Resp:	158795
Ion	Ratio	Lower	Upper
75	100		
77	35.1	18.1	54.4





#77

Bromobenzene

Concen: 62.103 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

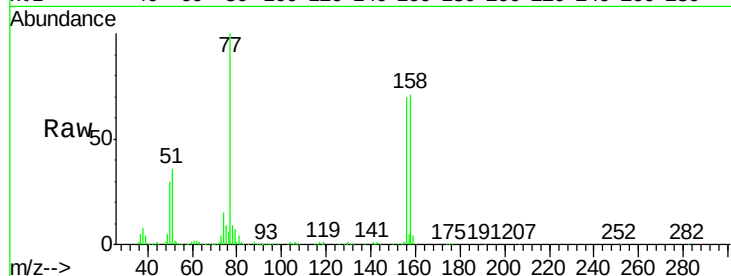
Tgt Ion: 156 Resp: 242023

Ion Ratio Lower Upper

156 100

77 143.0 81.3 243.9

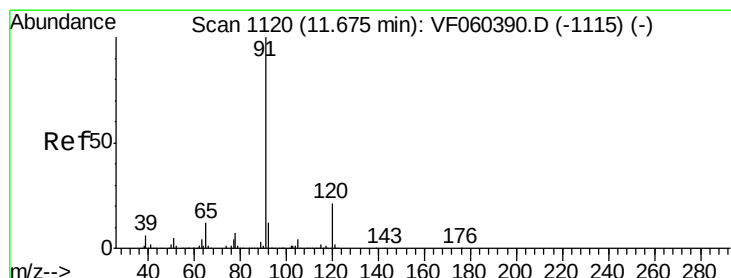
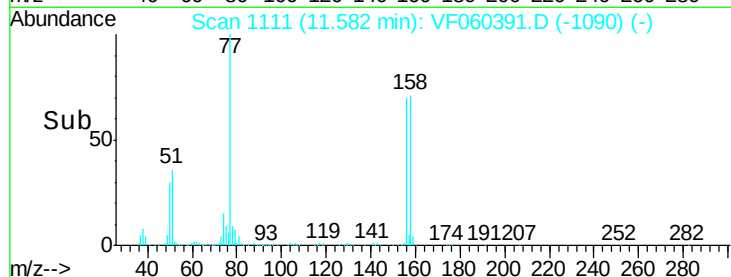
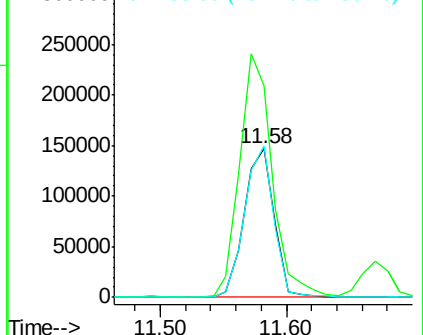
158 102.0 49.6 149.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 59.811 ug/l

RT: 11.67 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VF060391.D

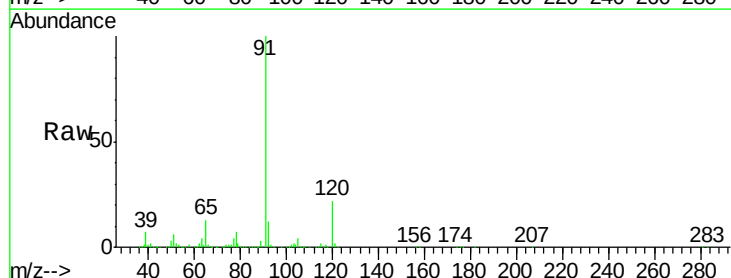
Acq: 1 Oct 2018 19:09

Tgt Ion: 91 Resp: 1281228

Ion Ratio Lower Upper

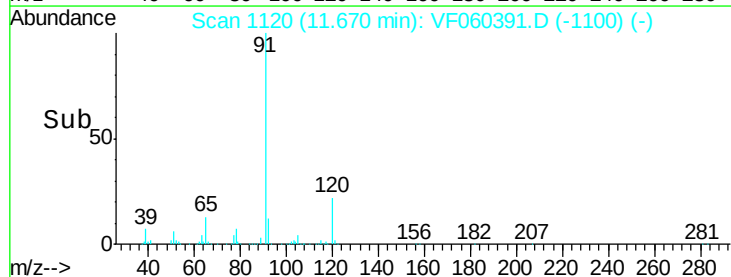
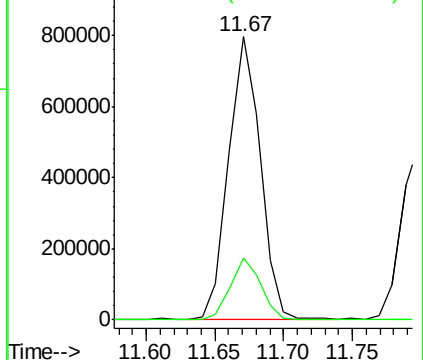
91 100

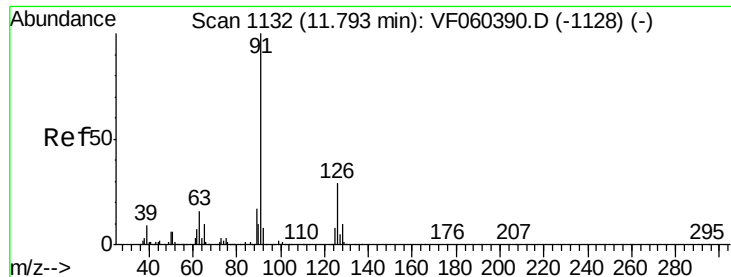
120 21.9 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 62.234 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

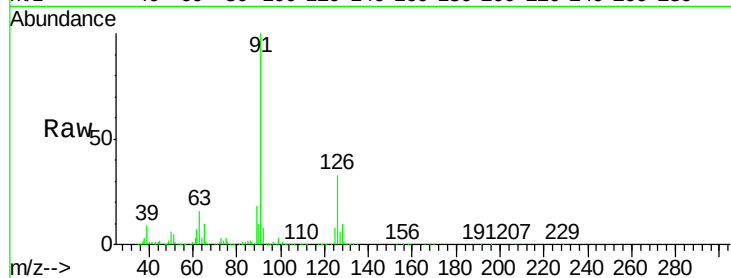
VSTDIC075

Tgt Ion: 91 Resp: 768801

Ion Ratio Lower Upper

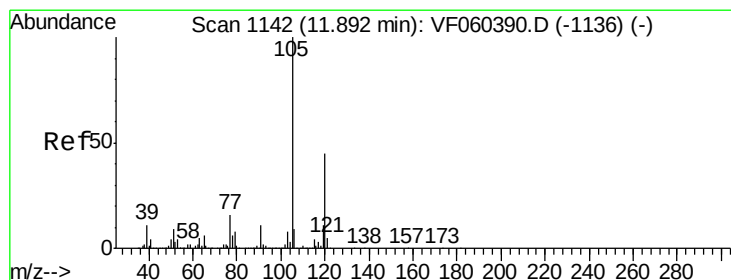
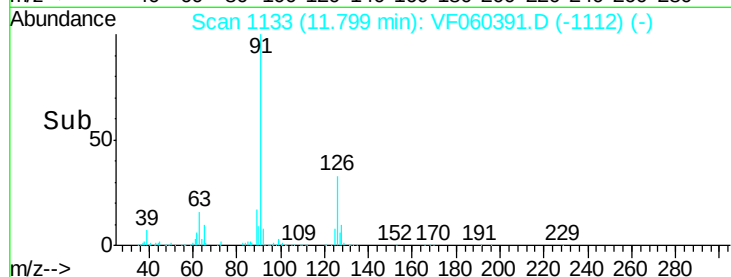
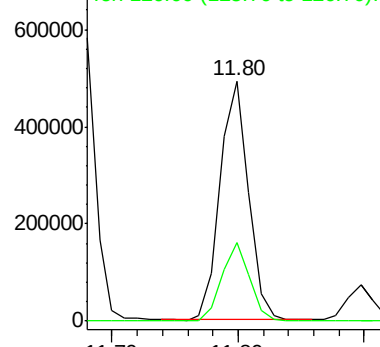
91 100

126 33.0 14.4 43.4



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: 64.182 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF060391.D

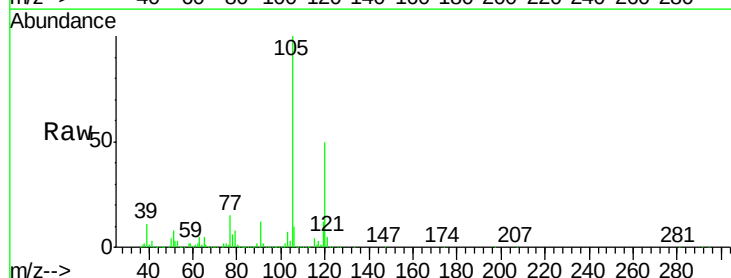
Acq: 1 Oct 2018 19:09

Tgt Ion: 105 Resp: 936391

Ion Ratio Lower Upper

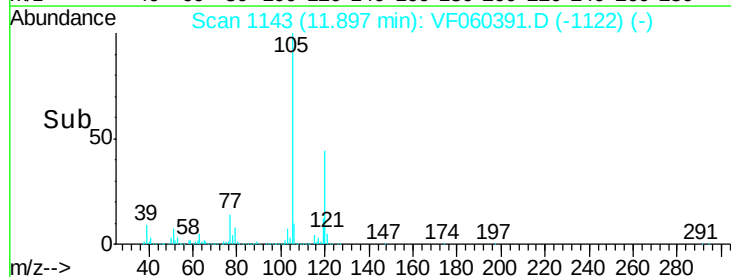
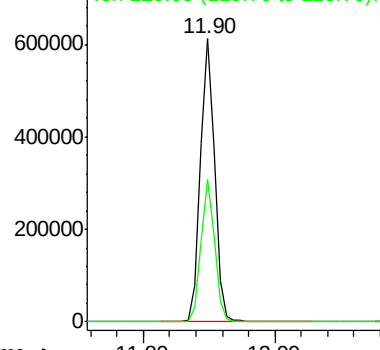
105 100

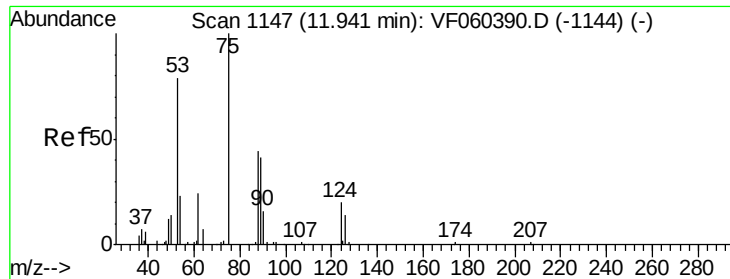
120 50.4 22.3 66.9



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: 84.156 ug/l

RT: 11.94 min Scan# 1147

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

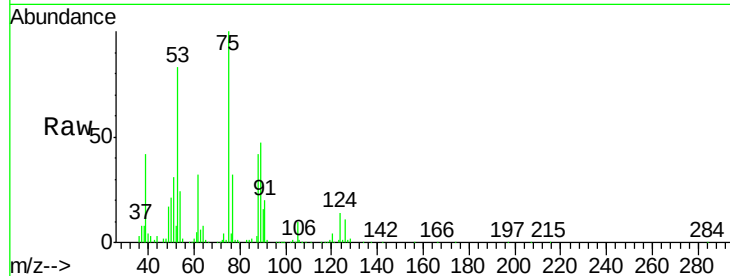
Tgt Ion: 75 Resp: 101727

Ion Ratio Lower Upper

75 100

53 82.7 67.8 101.8

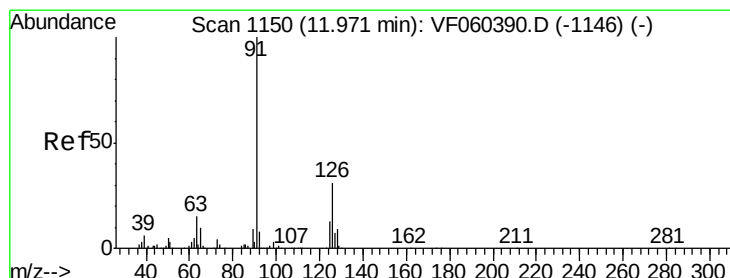
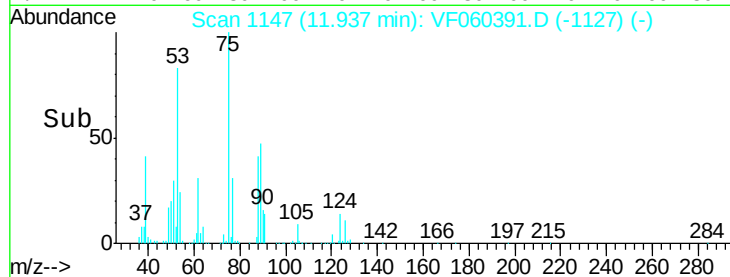
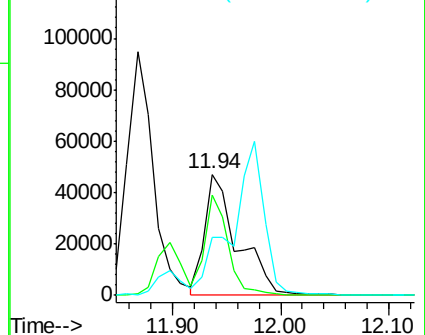
89 47.4 36.7 55.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 63.665 ug/l

RT: 11.98 min Scan# 1151

Delta R.T. 0.01 min

Lab File: VF060391.D

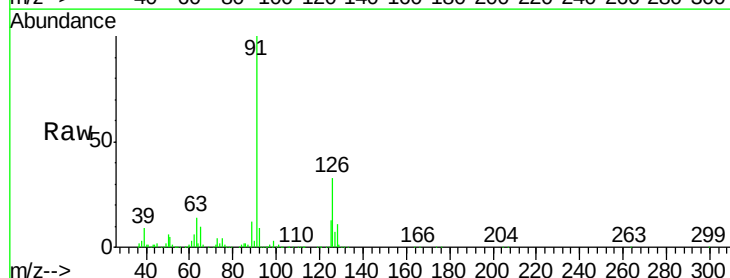
Acq: 1 Oct 2018 19:09

Tgt Ion: 91 Resp: 786754

Ion Ratio Lower Upper

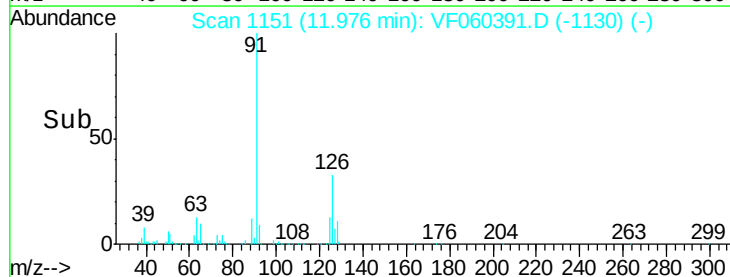
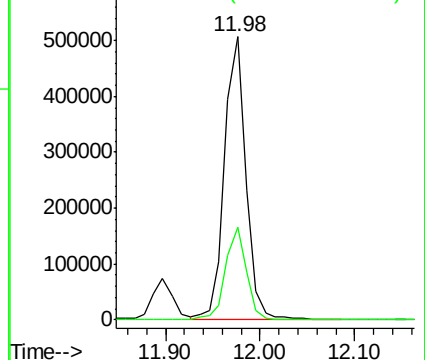
91 100

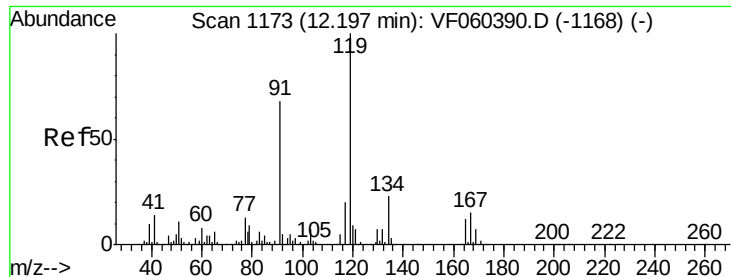
126 32.6 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

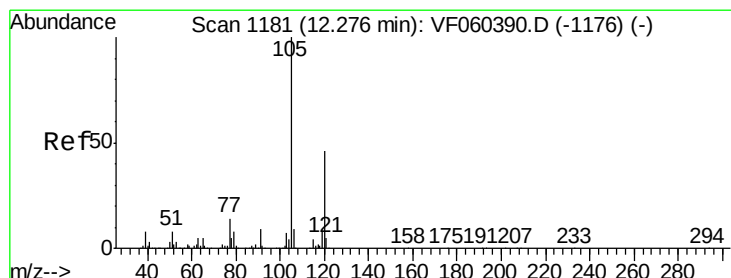
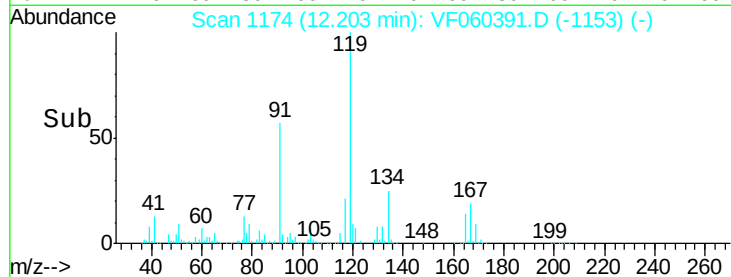
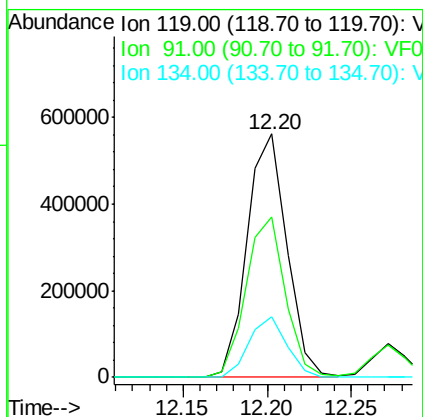
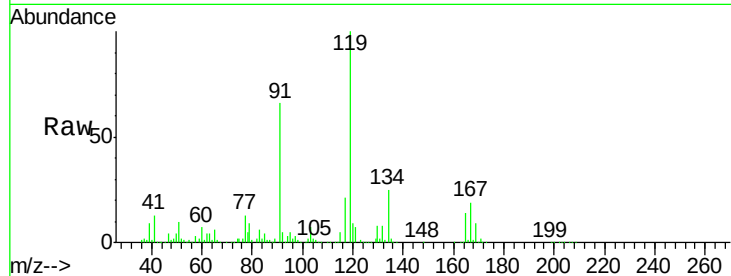




#83
 tert-Butylbenzene
 Concen: 61.941 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

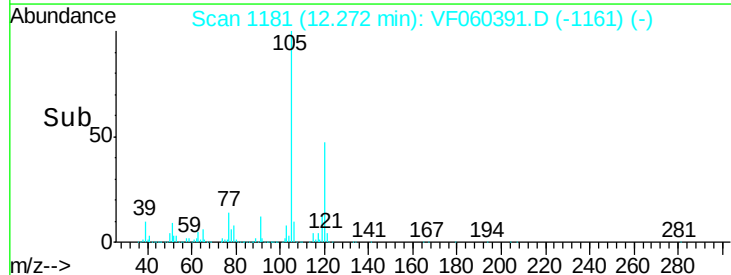
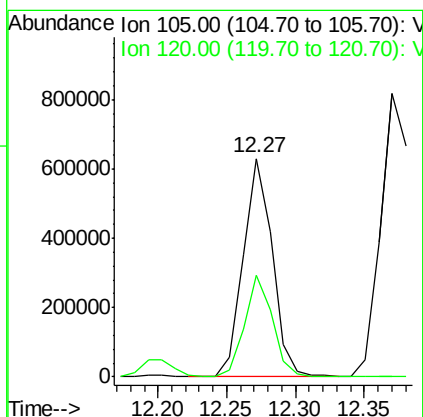
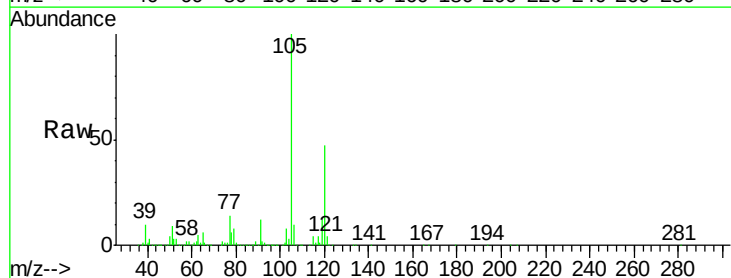
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

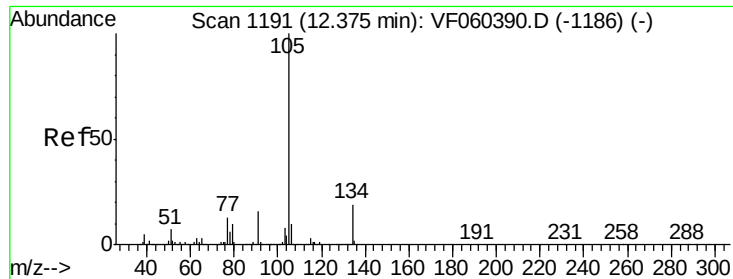
Tgt Ion:119 Resp: 918740
 Ion Ratio Lower Upper
 119 100
 91 66.0 34.0 102.0
 134 25.0 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 62.755 ug/l
 RT: 12.27 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

Tgt Ion:105 Resp: 934819
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.1 69.2

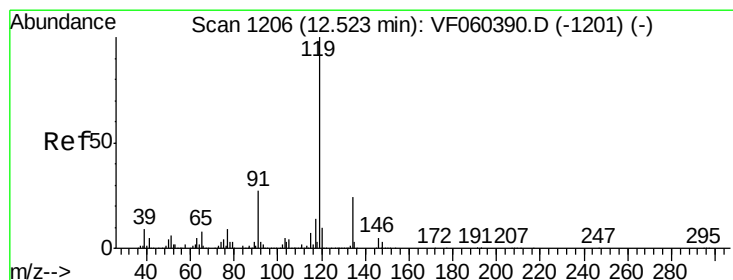
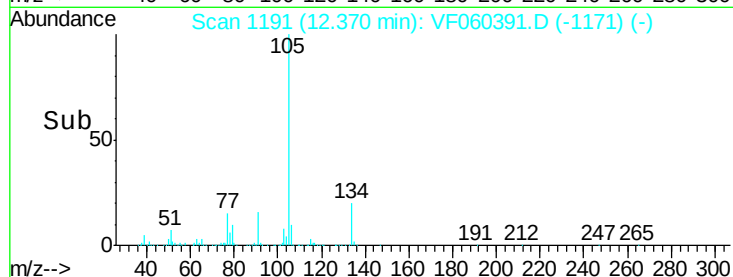
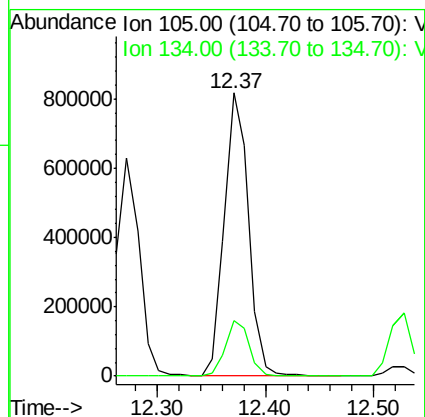
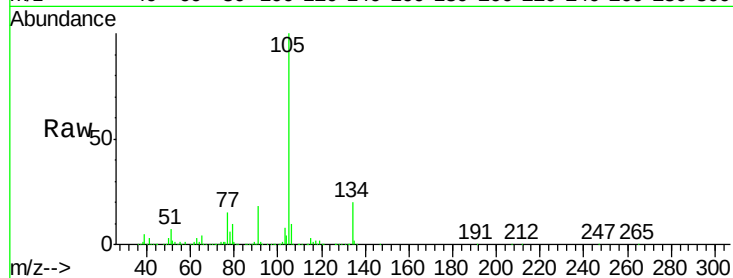




#85
 sec-Butylbenzene
 Concen: 62.187 ug/l
 RT: 12.37 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

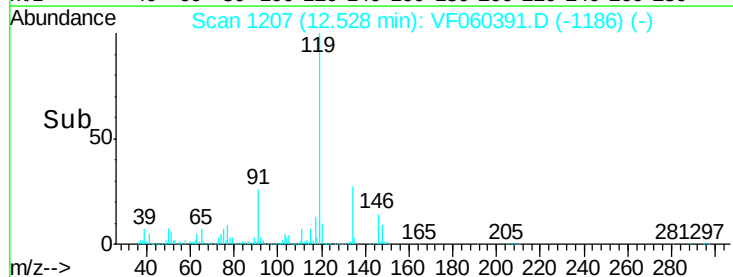
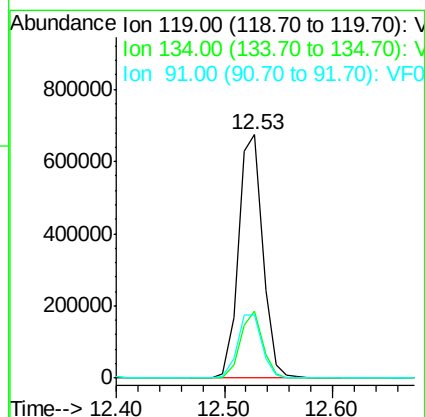
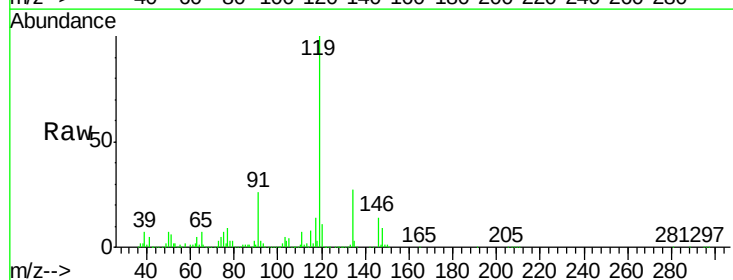
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

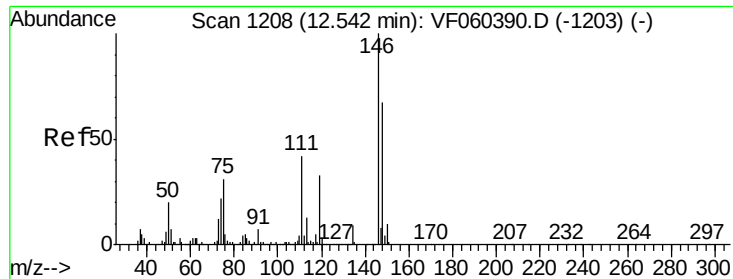
Tgt Ion:105 Resp: 1270143
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.4 28.3



#86
 p-Isopropyltoluene
 Concen: 64.676 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. 0.01 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

Tgt Ion:119 Resp: 1051312
 Ion Ratio Lower Upper
 119 100
 134 27.3 12.3 36.8
 91 25.9 13.5 40.4

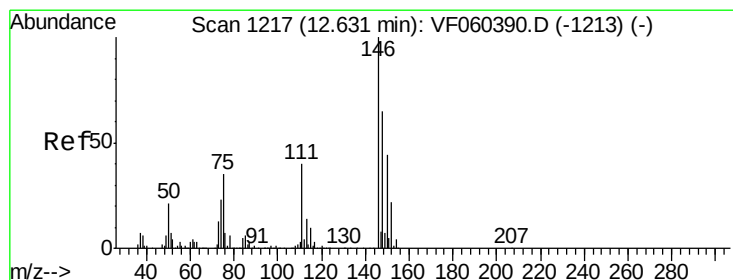
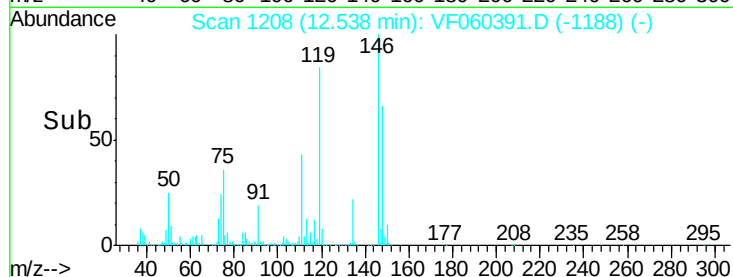
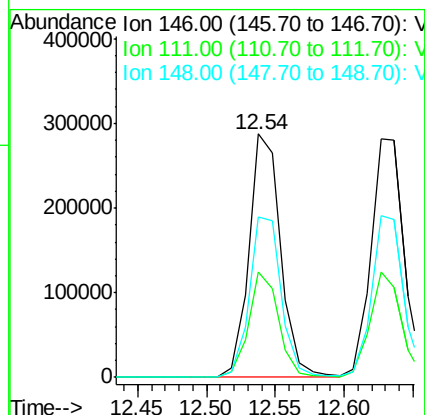
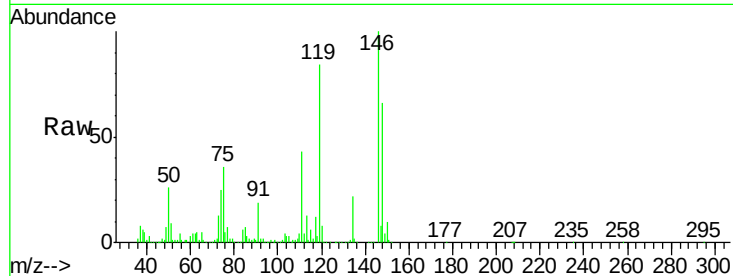




#87
 1,3-Dichlorobenzene
 Concen: 63.132 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

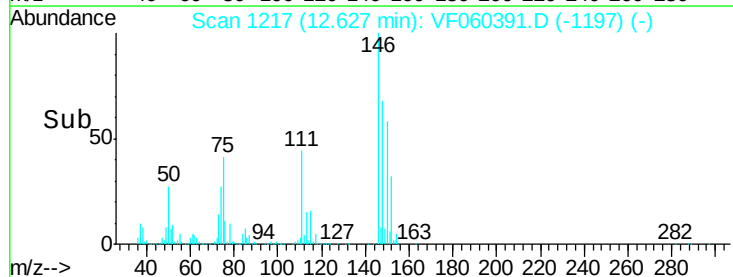
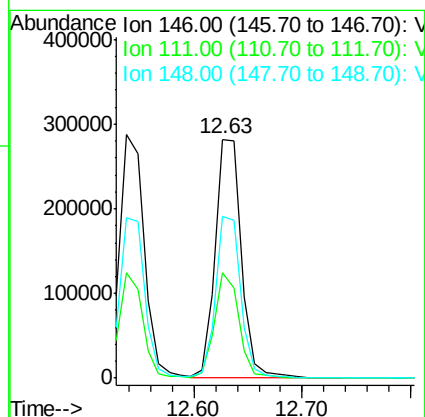
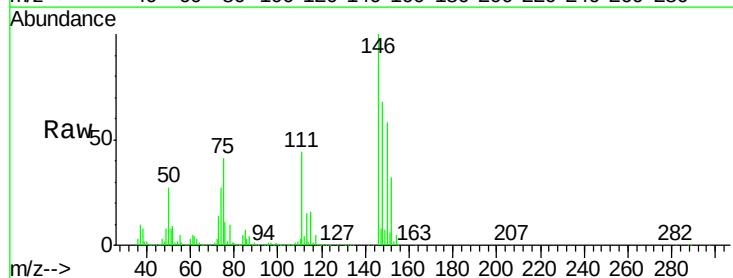
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

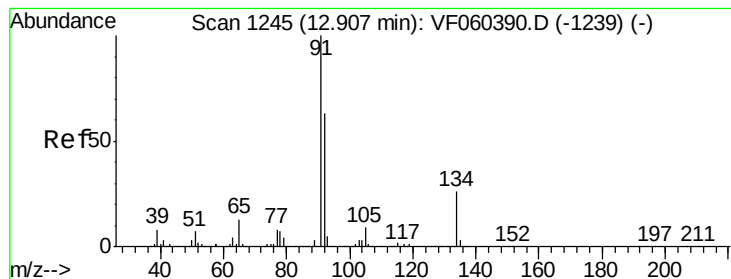
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.9	62.7
148	65.9	33.6	100.8



#88
 1,4-Dichlorobenzene
 Concen: 65.259 ug/l
 RT: 12.63 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	20.2	60.6
148	67.6	32.6	97.8





#89

n-Butylbenzene

Concen: 61.343 ug/l

RT: 12.90 min Scan# 1245

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

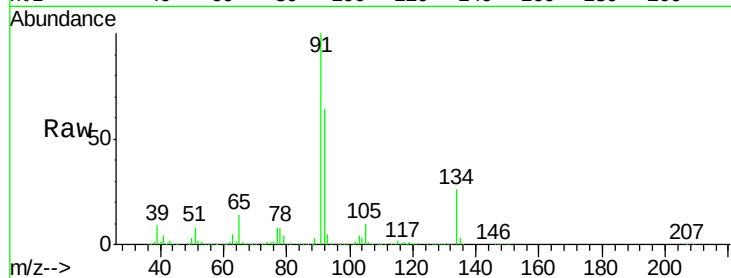
Tgt Ion: 91 Resp: 1061981

Ion Ratio Lower Upper

91 100

92 64.4 31.3 93.9

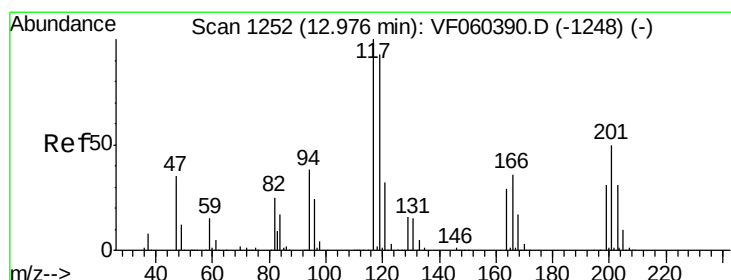
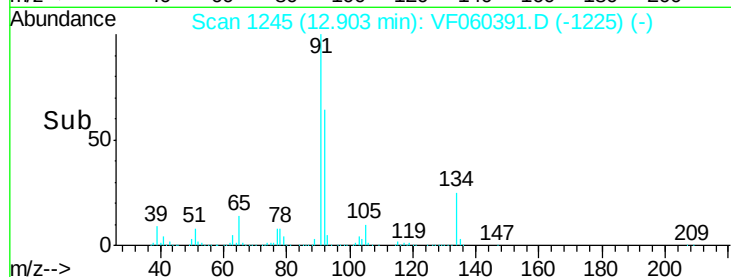
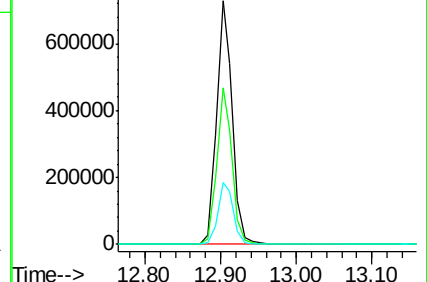
134 25.5 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 66.198 ug/l

RT: 12.98 min Scan# 1253

Delta R.T. 0.01 min

Lab File: VF060391.D

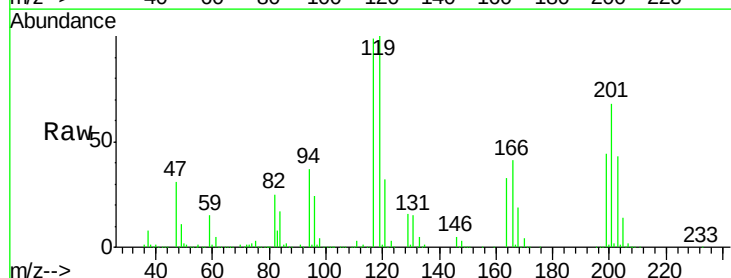
Acq: 1 Oct 2018 19:09

Tgt Ion: 117 Resp: 276352

Ion Ratio Lower Upper

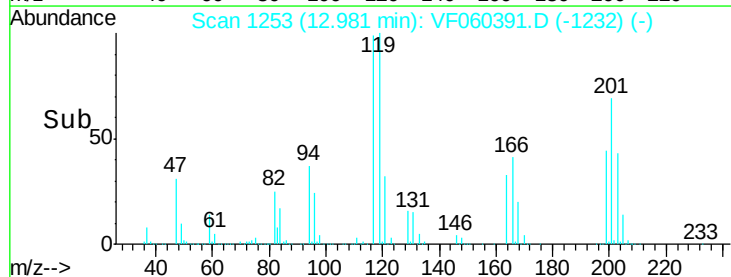
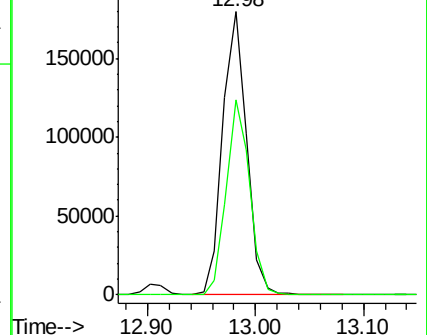
117 100

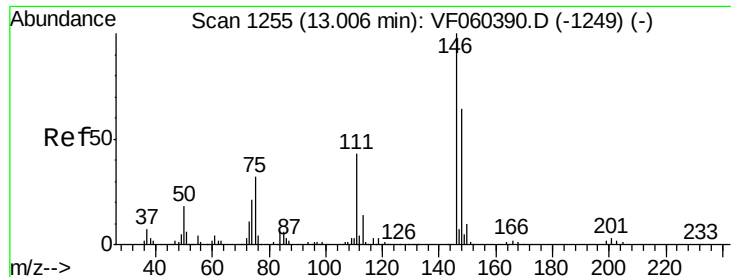
201 68.7 25.5 76.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

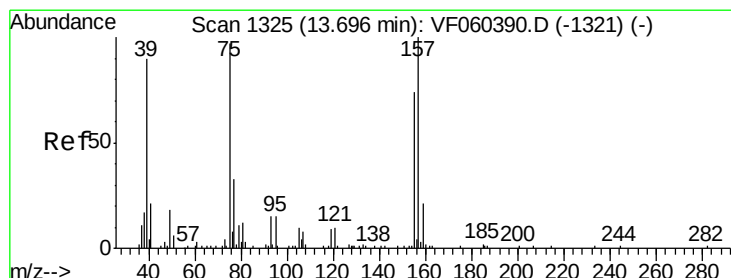
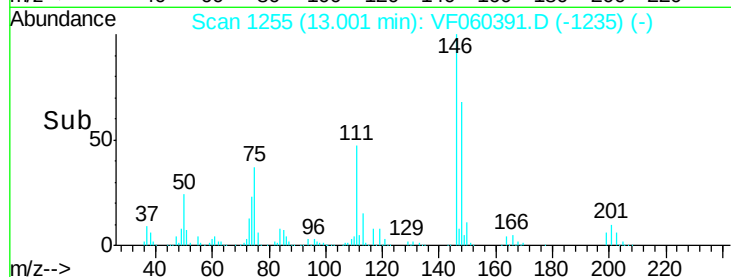
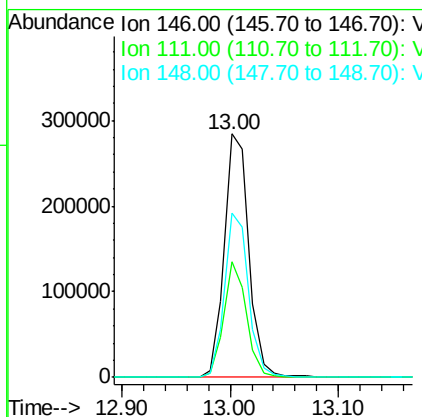
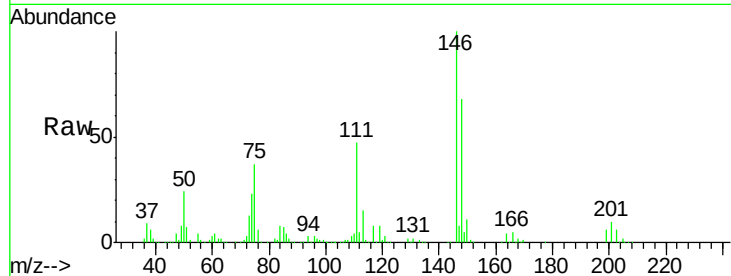




#91
 1,2-Dichlorobenzene
 Concen: 64.020 ug/l
 RT: 13.00 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

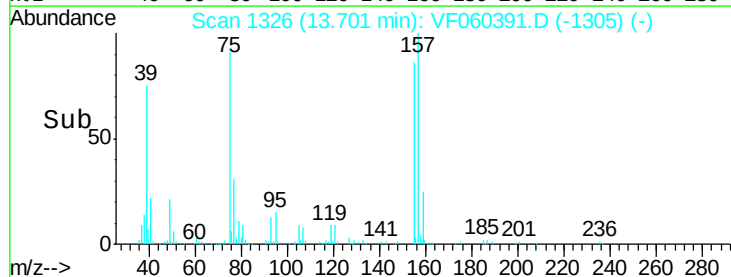
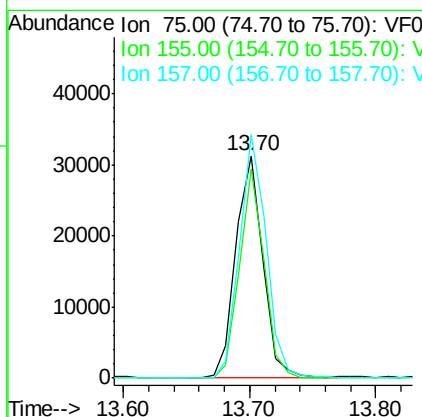
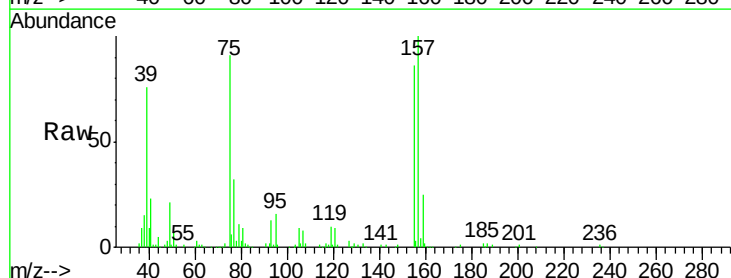
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

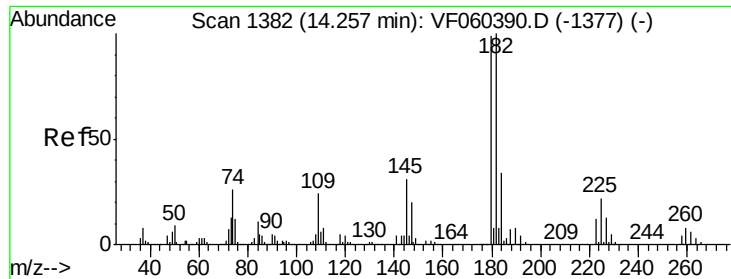
Tgt Ion:146 Resp: 448420
 Ion Ratio Lower Upper
 146 100
 111 47.3 21.3 64.0
 148 67.7 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 76.715 ug/l
 RT: 13.70 min Scan# 1326
 Delta R.T. 0.01 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

Tgt Ion: 75 Resp: 46511
 Ion Ratio Lower Upper
 75 100
 155 94.1 37.9 113.6
 157 109.6 51.3 154.0

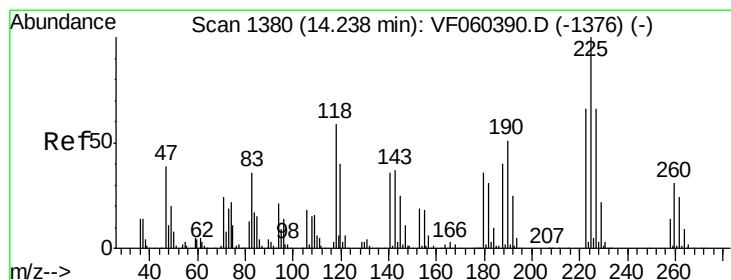
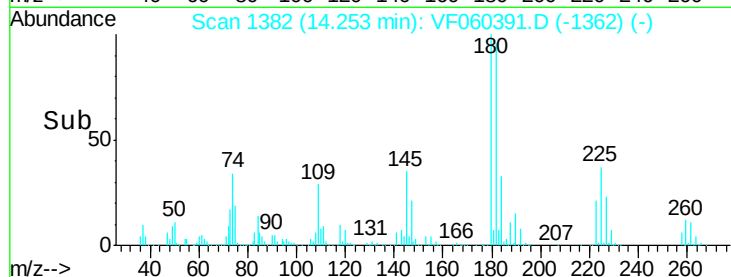
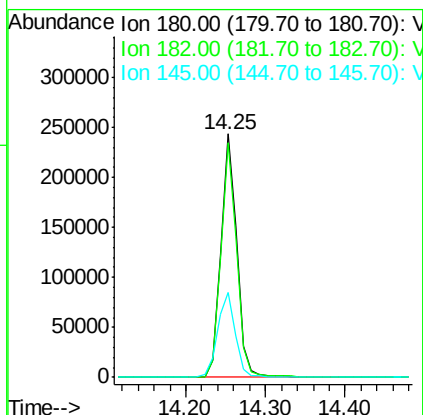
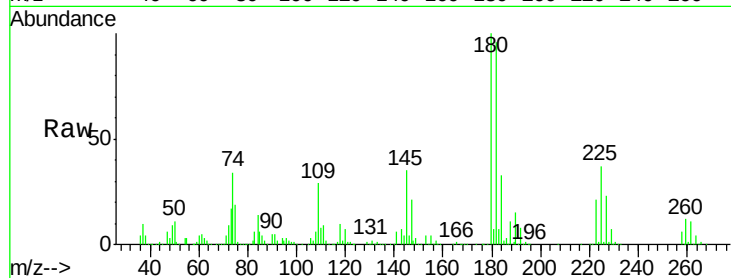




#93
 1,2,4-Trichlorobenzene
 Concen: 67.802 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

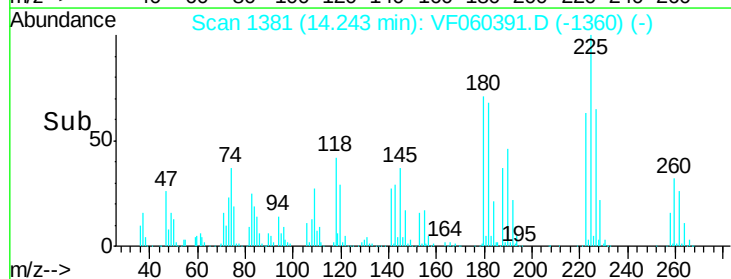
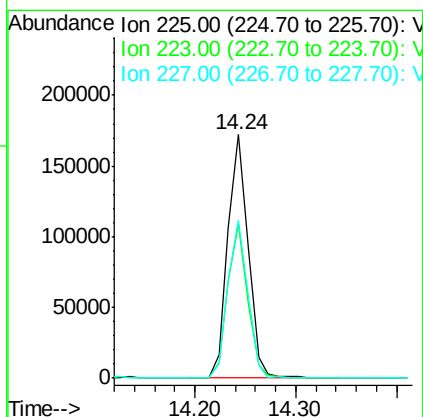
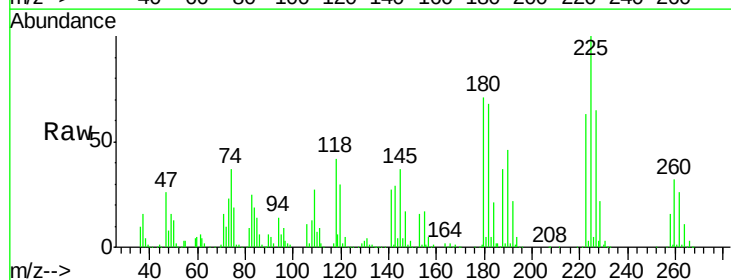
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

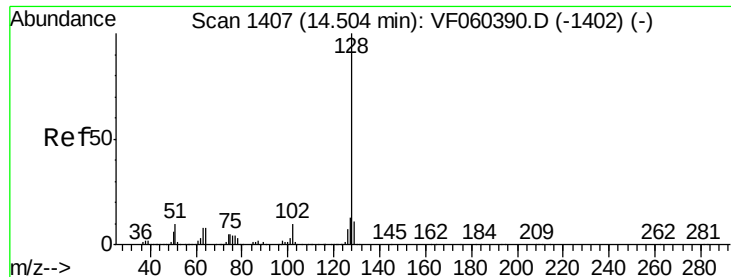
Tgt Ion:180 Resp: 346700
 Ion Ratio Lower Upper
 180 100
 182 96.3 50.3 150.9
 145 34.9 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 69.782 ug/l
 RT: 14.24 min Scan# 1381
 Delta R.T. 0.01 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

Tgt Ion:225 Resp: 240977
 Ion Ratio Lower Upper
 225 100
 223 63.3 32.8 98.4
 227 64.9 33.0 99.0

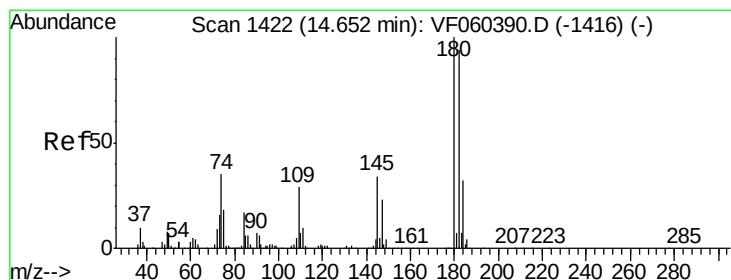
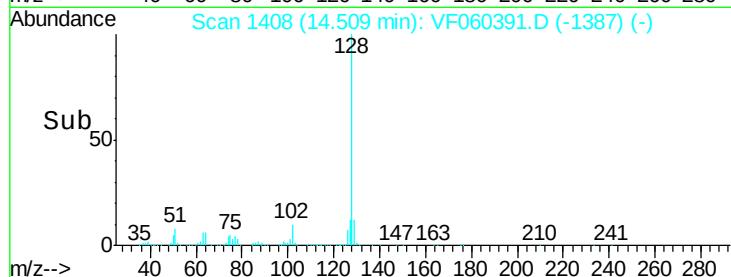
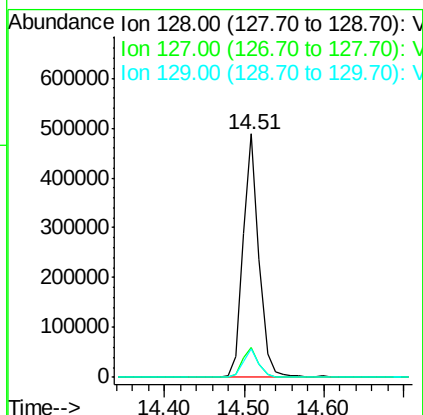
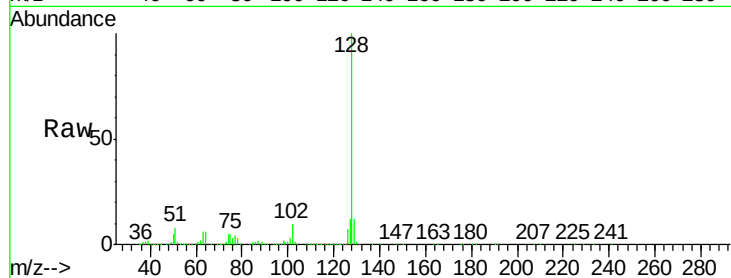




#95
Naphthalene
Concen: 74.725 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion:128 Resp: 674817
Ion Ratio Lower Upper
128 100
127 12.4 10.0 15.0
129 11.5 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 72.916 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Tgt Ion:180 Resp: 343805
Ion Ratio Lower Upper
180 100
182 94.5 46.8 140.3
145 30.3 16.9 50.6

