

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
 Data File : VF060461.D
 Acq On : 5 Oct 2018 17:45
 Operator : VA/AP
 Sample : VF1005SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1005SBS01

Quant Time: Oct 06 04:35:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	191256	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.75	114	292925	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	256254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	144579	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	131754	44.02	ug/l	0.00
Spiked Amount			Recovery	=	88.04%	
35) Dibromofluoromethane	4.27	113	143241	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
50) Toluene-d8	7.69	98	341607	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
62) 4-Bromofluorobenzene	11.49	95	148648	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	120167	26.585	ug/l	99
3) Chloromethane	1.12	50	57939	22.309	ug/l	98
4) Vinyl Chloride	1.18	62	64030	23.700	ug/l	96
5) Bromomethane	1.36	94	52040	24.868	ug/l	100
6) Chloroethane	1.42	64	32626	24.200	ug/l	98
7) Trichlorofluoromethane	1.53	101	163678	26.113	ug/l	93
8) Diethyl Ether	1.70	74	13251	15.426	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.88	101	78991	26.309	ug/l #	84
10) Methyl Iodide	1.95	142	104656	22.857	ug/l	93
11) Tert butyl alcohol	2.67	59	12317	68.042	ug/l #	85
12) 1,1-Dichloroethene	1.85	96	55286	23.831	ug/l #	95
13) Acrolein	2.09	56	10831	74.400	ug/l	100
14) Allyl chloride	2.18	41	89513	24.080	ug/l	93
15) Acrylonitrile	3.06	53	23910	77.085	ug/l	93
16) Acetone	2.33	43	64463	89.342	ug/l	99
17) Carbon Disulfide	1.87	76	168325	23.961	ug/l	95
18) Methyl Acetate	2.43	43	15051	12.032	ug/l	96
19) Methyl tert-butyl Ether	2.52	73	98284	17.394	ug/l	96
20) Methylene Chloride	2.27	84	48009	18.467	ug/l	96
21) trans-1,2-Dichloroethene	2.40	96	54278	23.426	ug/l	95
22) Diisopropyl ether	2.91	45	129142	19.140	ug/l #	97
23) Vinyl Acetate	3.32	43	209399	78.126	ug/l	98
24) 1,1-Dichloroethane	3.00	63	104955	23.002	ug/l	99
25) 2-Butanone	4.48	43	71411	92.154	ug/l	100
26) 2,2-Dichloropropane	3.74	77	70081	27.118	ug/l	98
27) cis-1,2-Dichloroethene	3.62	96	49492	19.105	ug/l	95
28) Bromochloromethane	3.86	49	31018	18.445	ug/l	86
29) Tetrahydrofuran	4.24	42	20856	68.112	ug/l	95
30) Chloroform	4.02	83	122315	21.725	ug/l	96
31) Cyclohexane	3.85	56	75362	23.001	ug/l	95
32) 1,1,1-Trichloroethane	4.26	97	123870	26.439	ug/l	91
36) 1,1-Dichloropropene	4.43	75	85867	23.776	ug/l	96
37) Ethyl Acetate	4.27	43	20445	14.783	ug/l #	3
38) Carbon Tetrachloride	4.15	117	115680	26.314	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	87409	24.688	ug/l	96
40) Benzene	4.79	78	163788	22.845	ug/l	99
41) Methacrylonitrile	4.91	41	12027	16.401	ug/l	94
42) 1,2-Dichloroethane	5.09	62	67459	19.722	ug/l	99
43) Isopropyl Acetate	7.10	43	26688	15.968	ug/l #	94
44) Trichloroethene	5.66	130	51731	22.487	ug/l	94
45) 1,2-Dichloropropane	6.38	63	39050	20.452	ug/l	98
46) Dibromomethane	6.23	93	26671	17.374	ug/l #	88
47) Bromodichloromethane	6.52	83	76318	20.073	ug/l #	97
48) Methyl methacrylate	6.85	41	17750	14.795	ug/l #	87
49) 1,4-Dioxane	6.84	88	3043	294.170	ug/l #	93
51) 4-Methyl-2-Pentanone	8.39	43	83390	70.092	ug/l	98
52) Toluene	7.76	92	103302	21.213	ug/l	92
53) t-1,3-Dichloropropene	8.41	75	58990	19.798	ug/l	95
54) cis-1,3-Dichloropropene	7.44	75	66342	19.051	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	24183	15.667	ug/l	90
56) Ethyl methacrylate	8.74	69	24740	14.105	ug/l #	83
57) 1,3-Dichloropropane	8.98	76	45888	17.573	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.76	63	18920	105.602	ug/l	100
59) 2-Hexanone	9.61	43	60749	69.615	ug/l	99
60) Dibromochloromethane	8.84	129	41037	17.657	ug/l	87
61) 1,2-Dibromoethane	9.12	107	29943	17.728	ug/l	98
64) Tetrachloroethene	8.29	164	50610	24.845	ug/l	89
65) Chlorobenzene	9.92	112	114531	21.758	ug/l	90
66) 1,1,1,2-Tetrachloroethane	10.05	131	50541	21.989	ug/l	96
67) Ethyl Benzene	10.01	91	236217	23.601	ug/l	97
68) m/p-Xylenes	10.25	106	162957	47.362	ug/l	89
69) o-Xylene	10.81	106	84531	22.539	ug/l	98
70) Styrene	10.88	104	110505	20.715	ug/l	91
71) Bromoform	10.87	173	18813	15.374	ug/l	100
73) Isopropylbenzene	11.22	105	288327	25.328	ug/l	97
74) N-amyl acetate	11.45	43	31208	11.945	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	11.77	83	36405	17.541	ug/l	95
76) 1,2,3-Trichloropropane	11.87	75	27103	17.738	ug/l	96
77) Bromobenzene	11.58	156	53217	20.913	ug/l	99
78) n-propylbenzene	11.67	91	348684	25.266	ug/l	94
79) 2-Chlorotoluene	11.80	91	191750	23.753	ug/l	95
80) 1,3,5-Trimethylbenzene	11.90	105	250498	25.900	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	18927	27.945	ug/l	91
82) 4-Chlorotoluene	11.98	91	189831	22.982	ug/l	100
83) tert-Butylbenzene	12.20	119	245850	25.772	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	230760	24.058	ug/l	89
85) sec-Butylbenzene	12.38	105	344897	26.193	ug/l	99
86) p-Isopropyltoluene	12.53	119	277782	25.822	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	109063	22.776	ug/l	94
88) 1,4-Dichlorobenzene	12.64	146	101940	21.590	ug/l	97
89) n-Butylbenzene	12.90	91	302947	26.613	ug/l	91
90) Hexachloroethane	12.98	117	65965	23.725	ug/l	85
91) 1,2-Dichlorobenzene	13.01	146	92893	20.247	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	7173	17.828	ug/l	86

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Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
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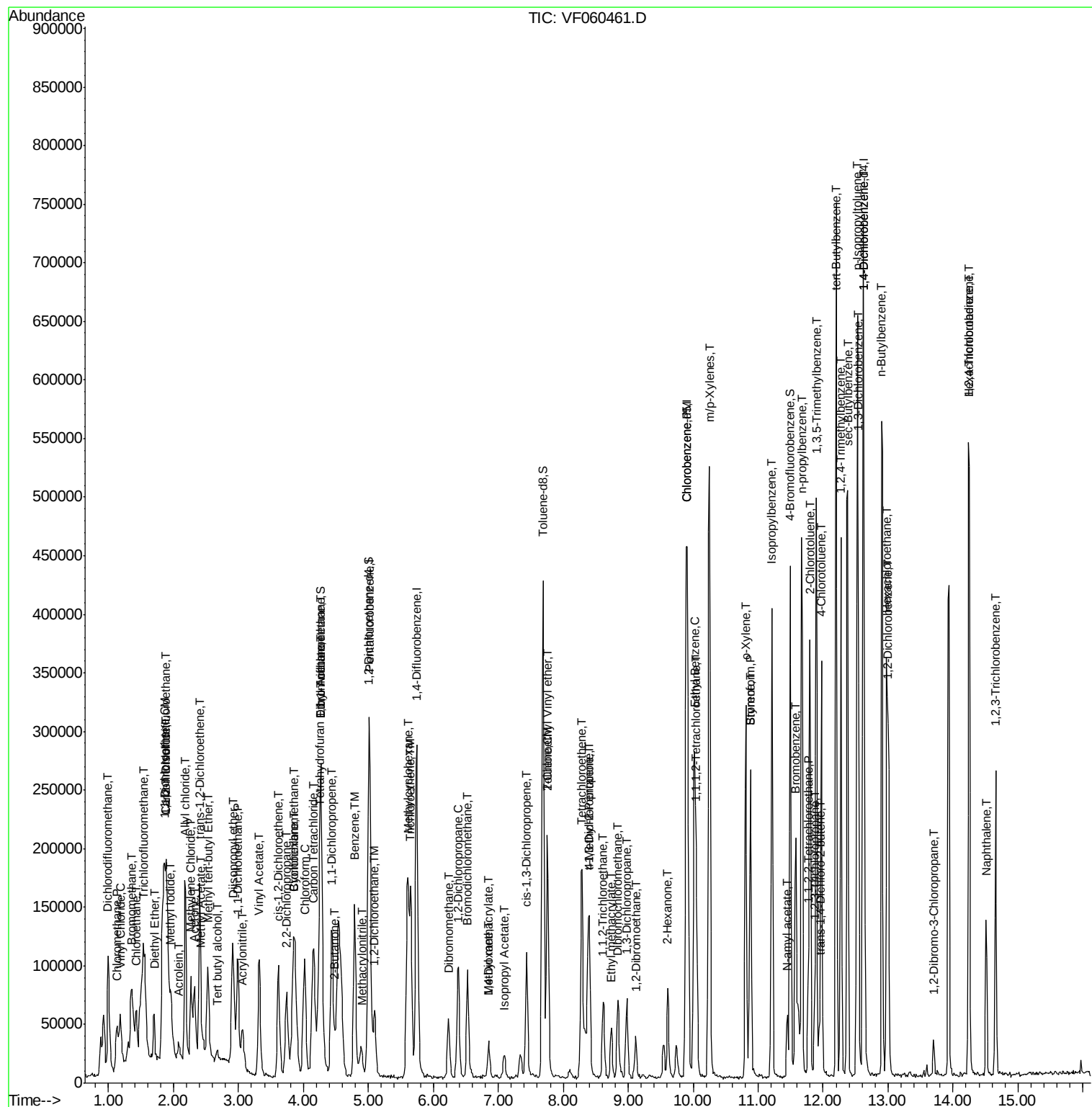
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	69976	20.405	ug/l	95
94) Hexachlorobutadiene	14.24	225	64753	27.055	ug/l	85
95) Naphthalene	14.51	128	89939	14.669	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	65250	20.298	ug/l	97

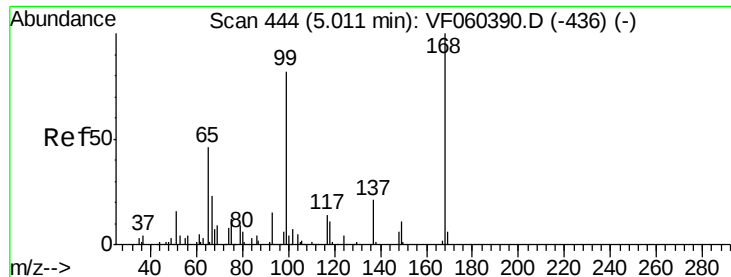
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF100518\
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ALS Vial : 33 Sample Multiplier: 1

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. 0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

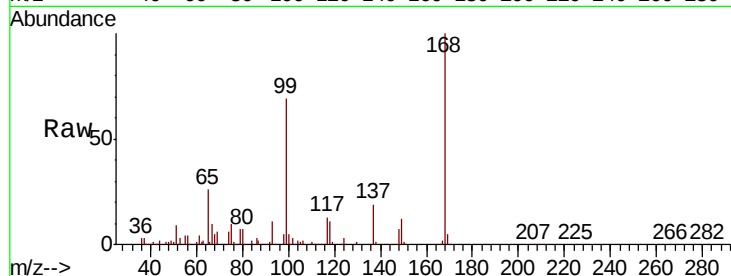
VF1005SBS01

Tot Ion:168 Resp: 191256

Ion Ratio Lower Upper

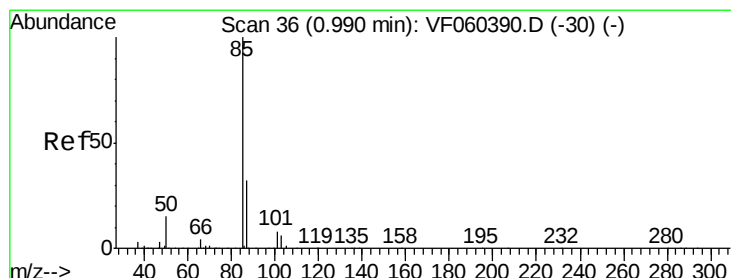
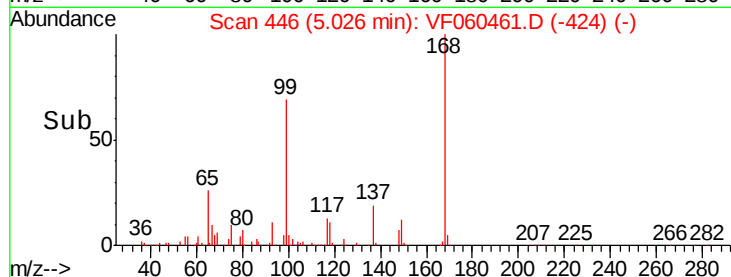
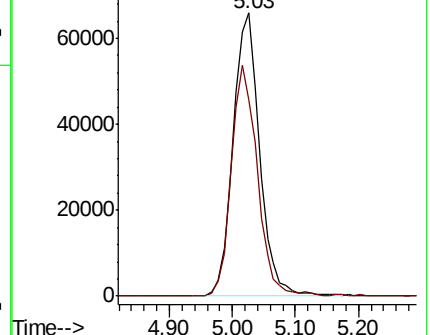
168 100

99 69.3 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: 26.585 ug/l

RT: 0.99 min Scan# 37

Delta R.T. 0.01 min

Lab File: VF060461.D

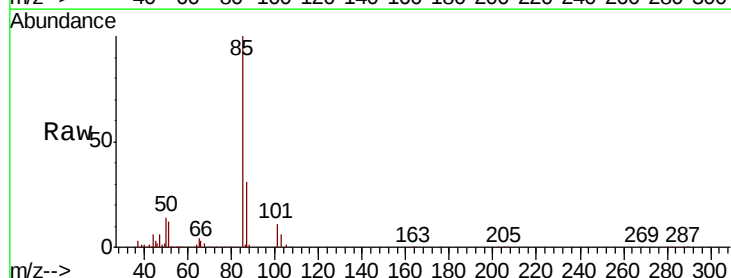
Acq: 5 Oct 2018 17:45

Tgt Ion: 85 Resp: 120167

Ion Ratio Lower Upper

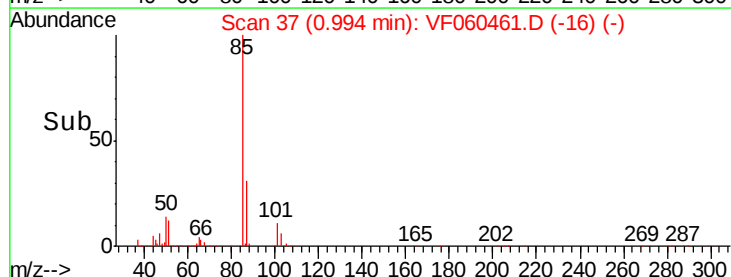
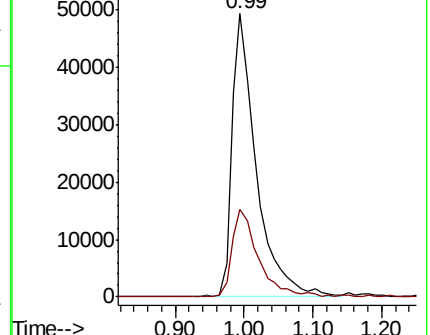
85 100

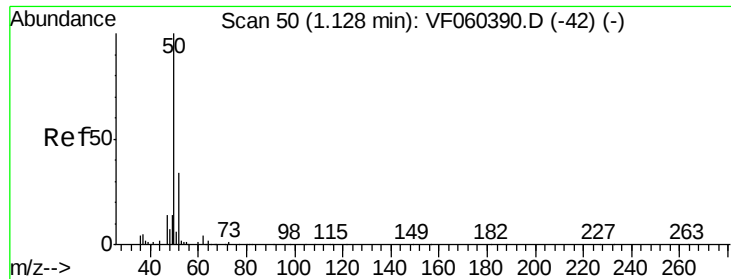
87 30.9 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 22.309 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

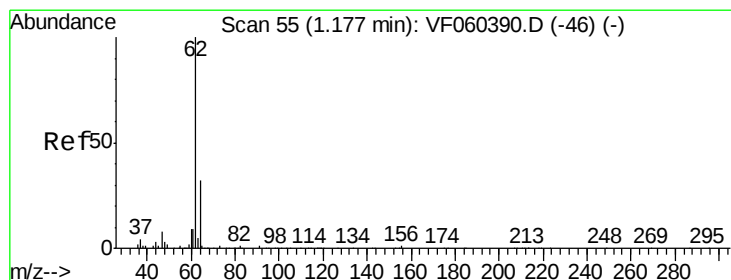
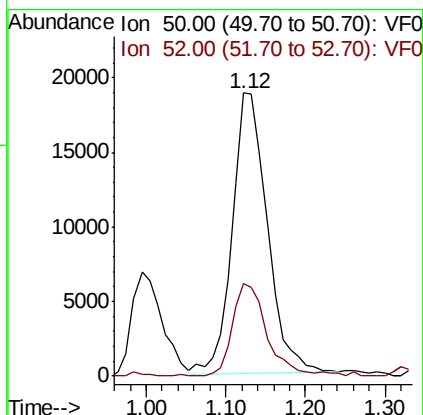
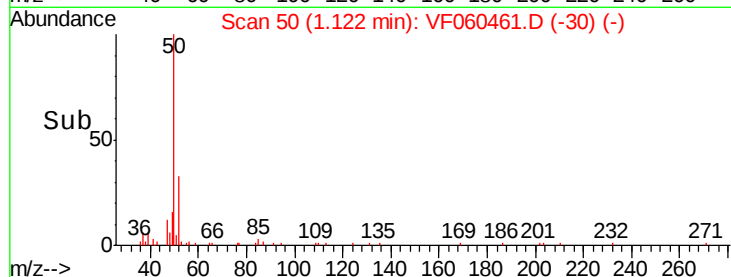
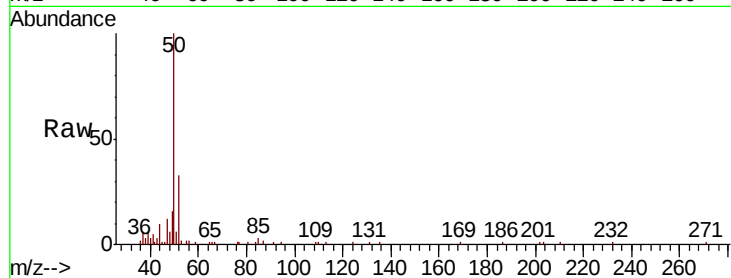
VF1005SBS01

Tot Ion: 50 Resp: 57939

Ion Ratio Lower Upper

50 100

52 32.7 26.9 40.3



#4

Vinyl Chloride

Concen: 23.700 ug/l

RT: 1.18 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF060461.D

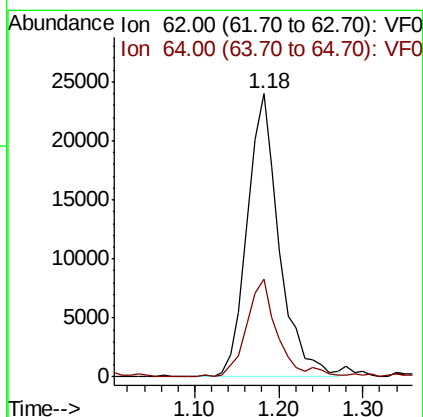
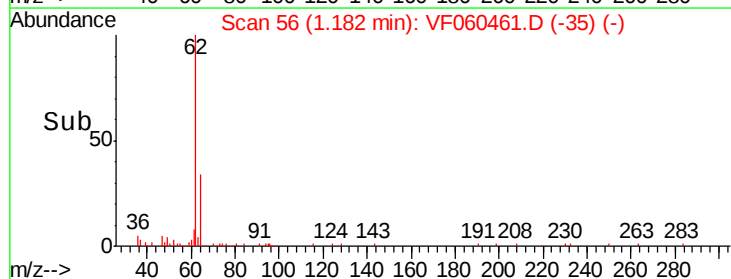
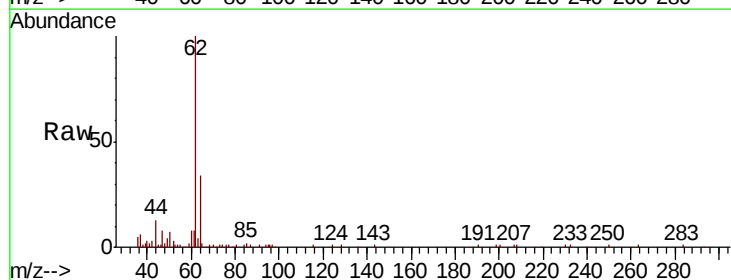
Acq: 5 Oct 2018 17:45

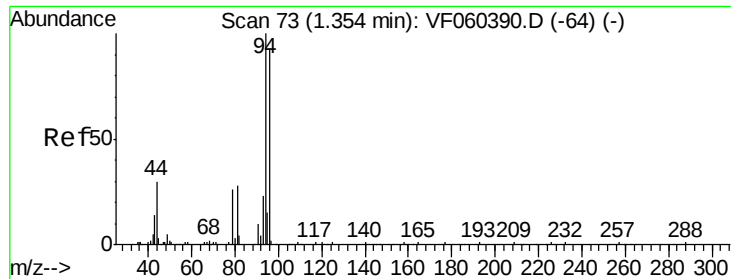
Tgt Ion: 62 Resp: 64030

Ion Ratio Lower Upper

62 100

64 34.5 25.8 38.6





#5

Bromomethane

Concen: 24.868 ug/l

RT: 1.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

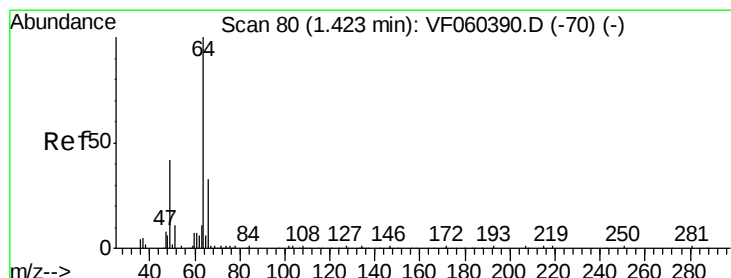
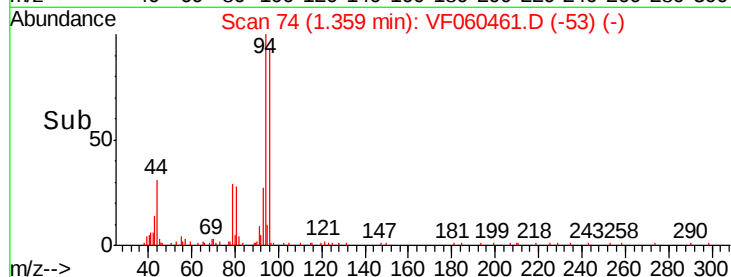
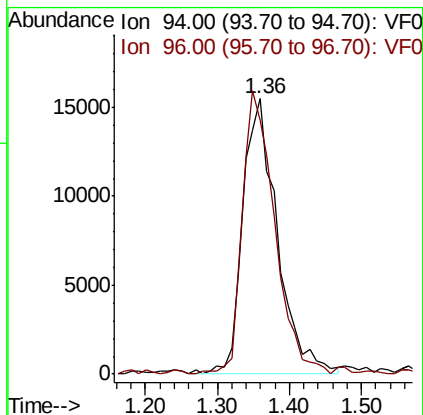
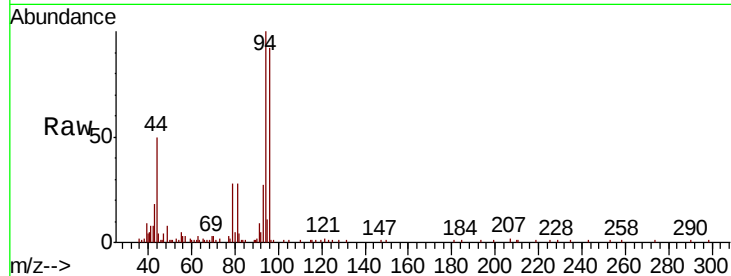
VF1005SBS01

Tot Ion: 94 Resp: 52040

Ion Ratio Lower Upper

94 100

96 92.4 74.3 111.5



#6

Chloroethane

Concen: 24.200 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060461.D

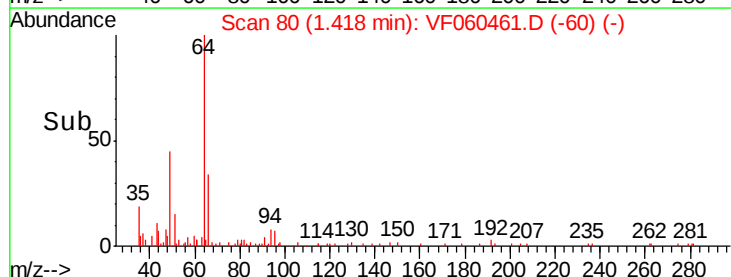
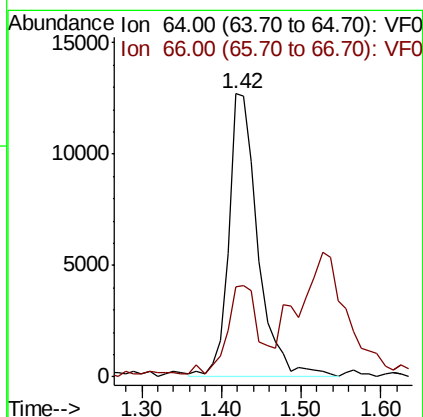
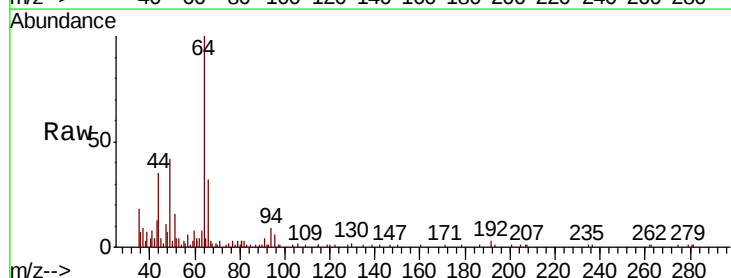
Acq: 5 Oct 2018 17:45

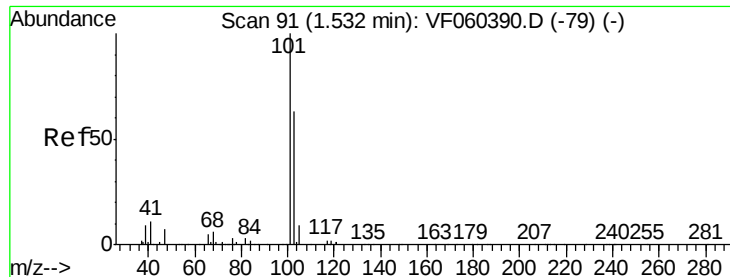
Tgt Ion: 64 Resp: 32626

Ion Ratio Lower Upper

64 100

66 32.0 26.3 39.5



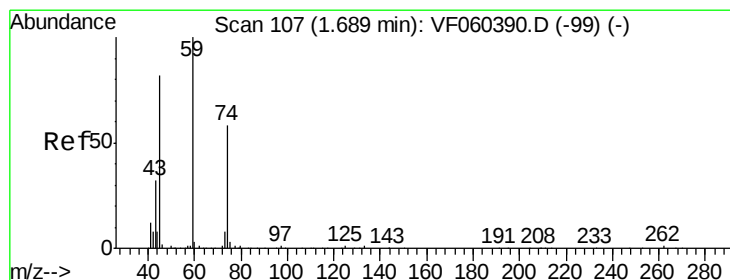
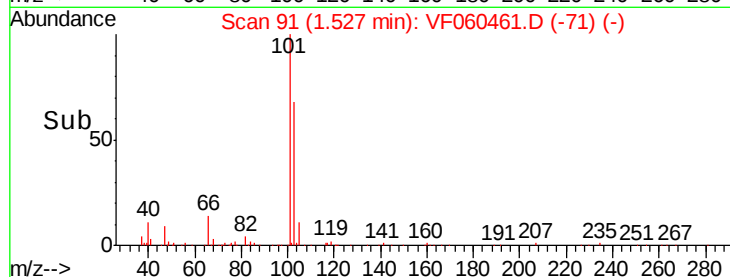
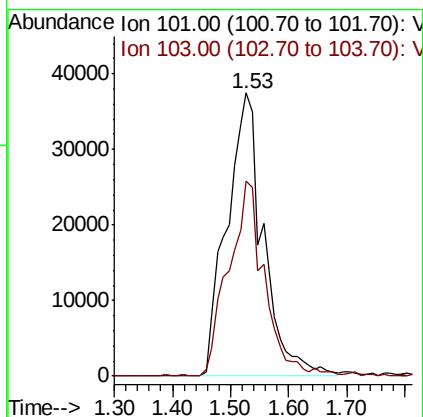
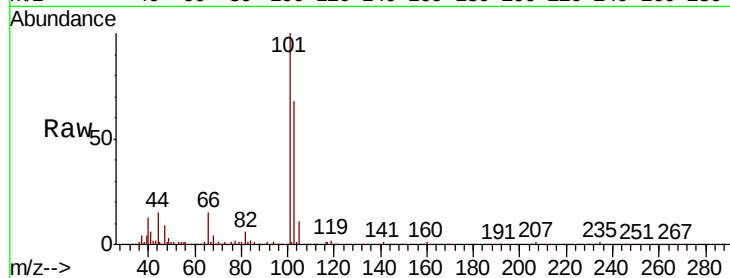


#7

Trichlorofluoromethane
 Concen: 26.113 ug/l
 RT: 1.53 min Scan# 91
 Delta R.T. -0.01 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1005SBS01

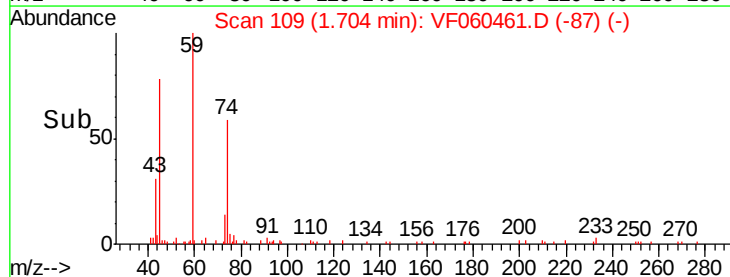
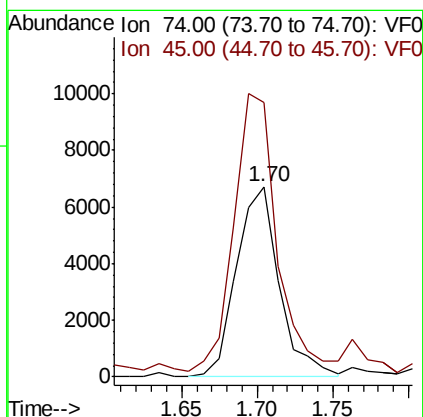
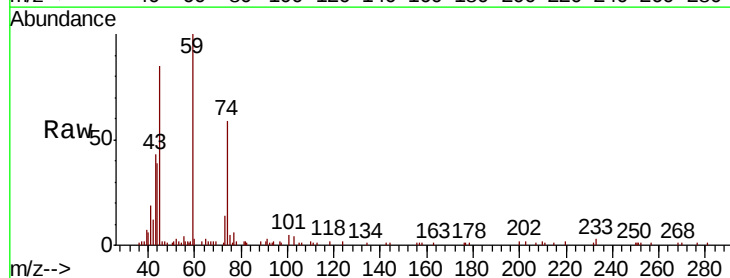
Tot Ion:101 Resp: 163678
 Ion Ratio Lower Upper
 101 100
 103 69.1 51.0 76.4

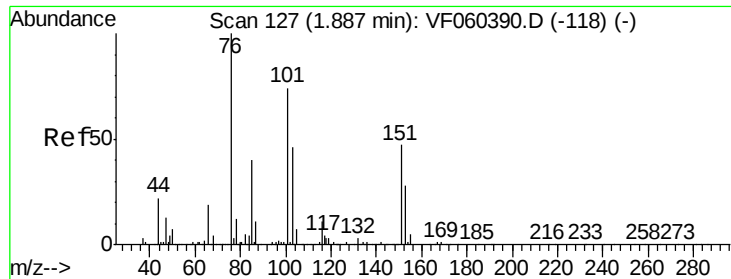


#8

Diethyl Ether
 Concen: 15.426 ug/l
 RT: 1.70 min Scan# 109
 Delta R.T. 0.01 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Tgt Ion: 74 Resp: 13251
 Ion Ratio Lower Upper
 74 100
 45 144.0 71.3 213.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 26.309 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

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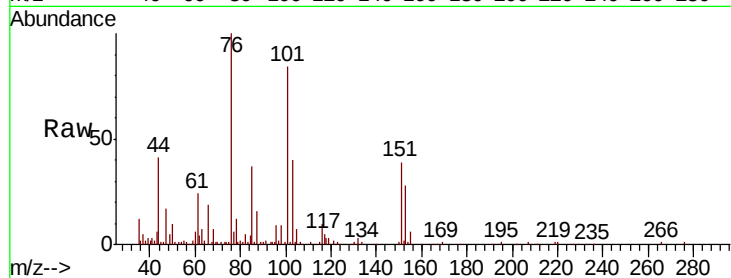
Tot Ion:101 Resp: 78991

Ion Ratio Lower Upper

101 100

85 44.2 42.5 63.7

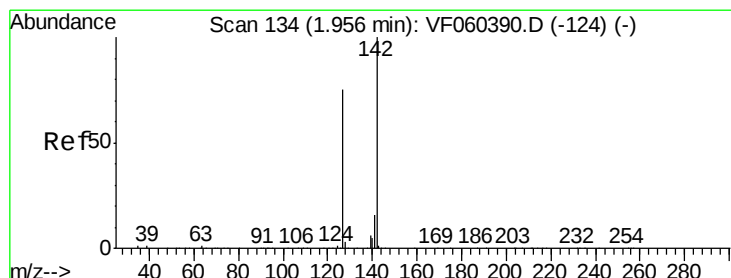
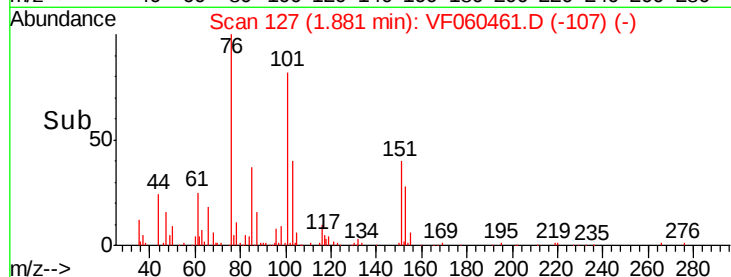
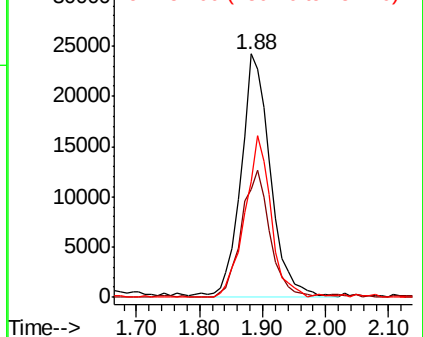
151 47.2 49.8 74.8#



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: 22.857 ug/l

RT: 1.95 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

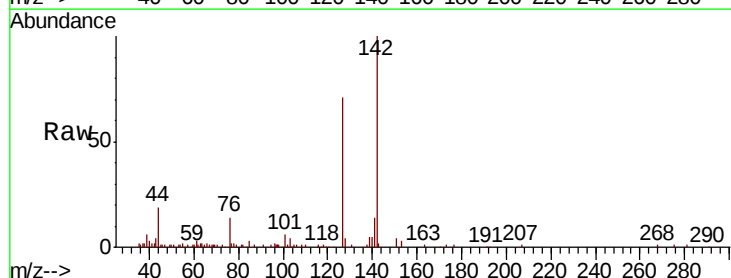
Tgt Ion:142 Resp: 104656

Ion Ratio Lower Upper

142 100

127 69.5 60.2 90.2

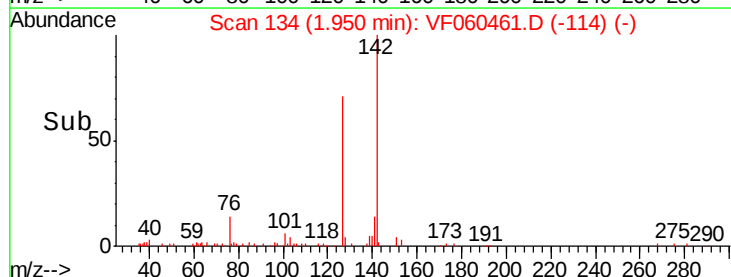
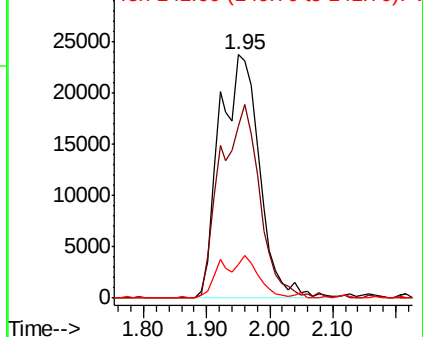
141 13.6 13.1 19.7

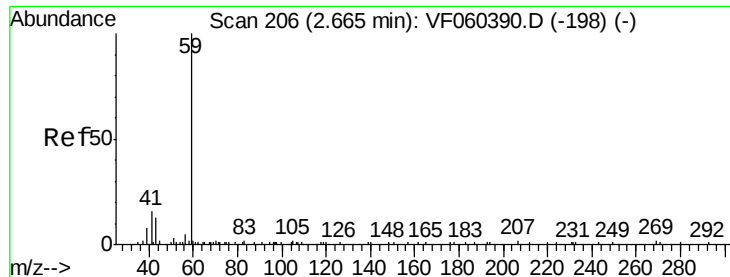


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



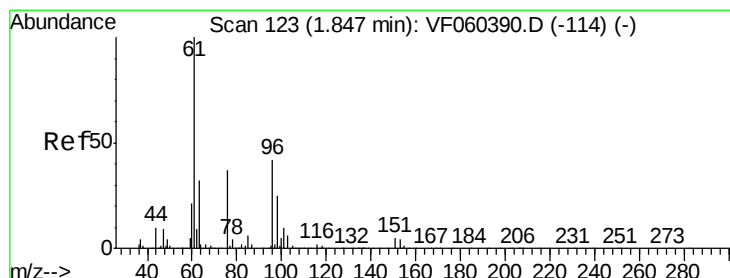
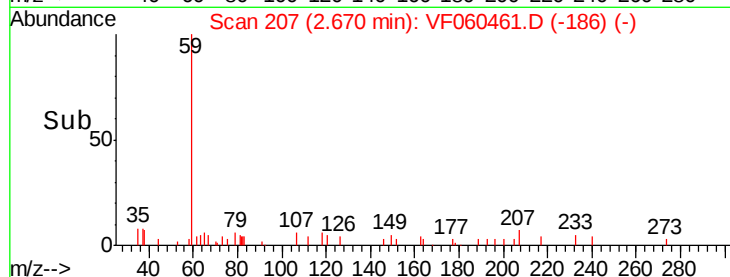
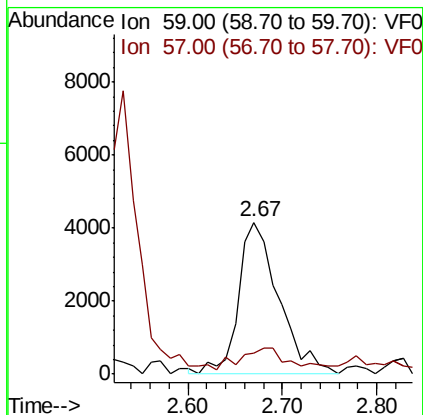
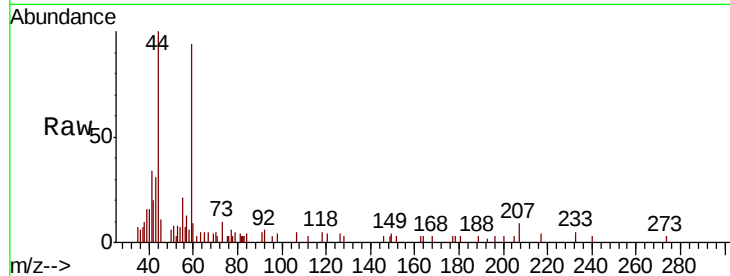


#11

Tert butyl alcohol
Concen: 68.042 ug/l
RT: 2.67 min Scan# 207
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF1005SBS01

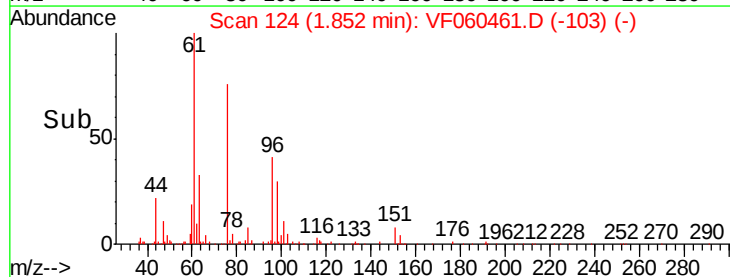
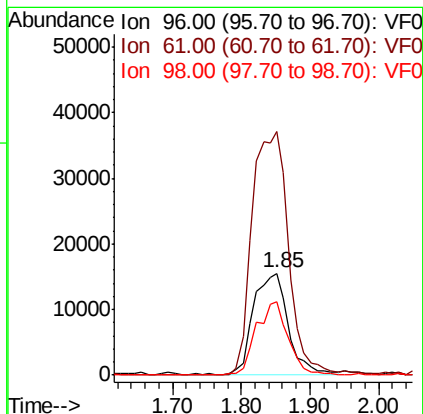
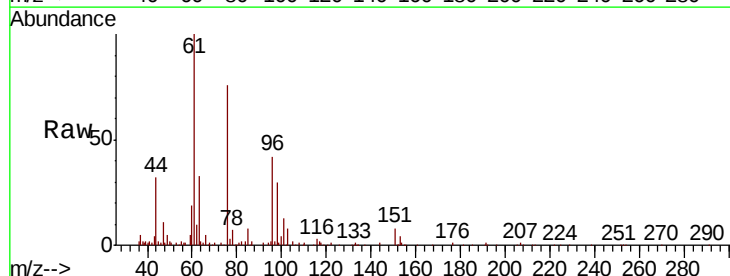
Tot Ion: 59 Resp: 12317
Ion Ratio Lower Upper
59 100
57 13.5 6.5 9.7#

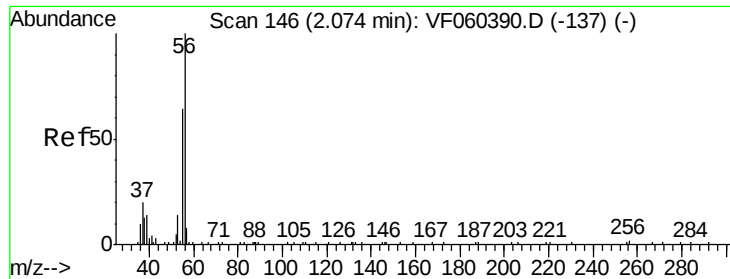


#12

1,1-Dichloroethene
Concen: 23.831 ug/l
RT: 1.85 min Scan# 124
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Tgt Ion: 96 Resp: 55286
Ion Ratio Lower Upper
96 100
61 239.5 189.4 284.0
98 72.4 47.8 71.6#

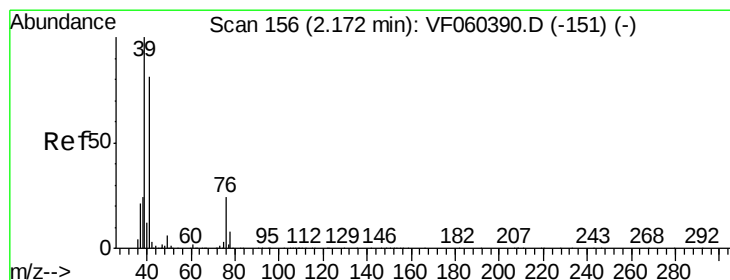
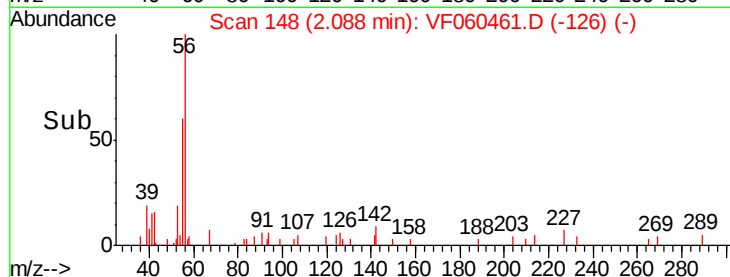
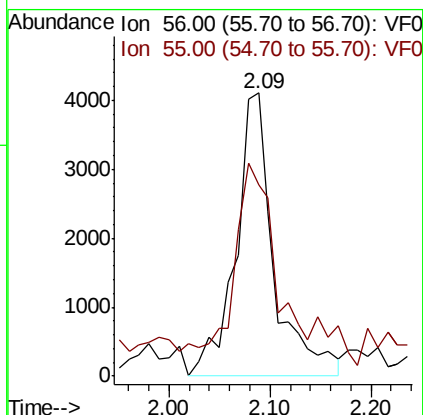
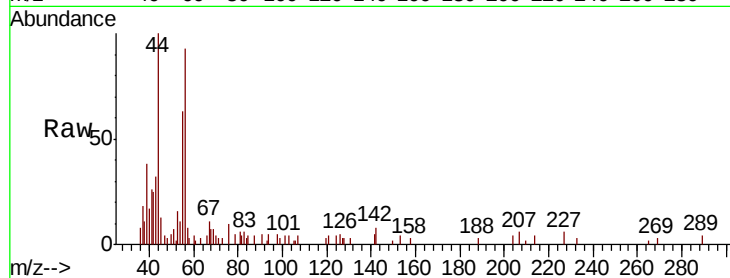




#13
Acrolein
Concen: 74.400 ug/l
RT: 2.09 min Scan# 148
Delta R.T. 0.01 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

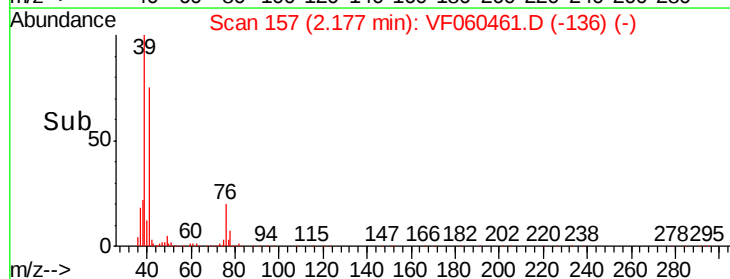
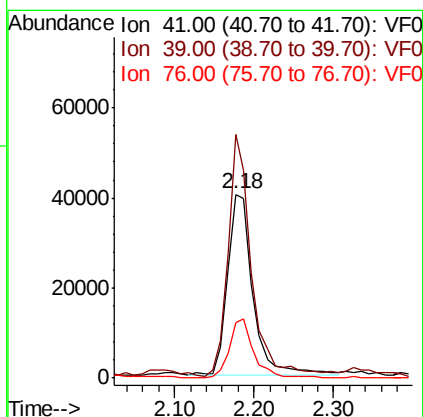
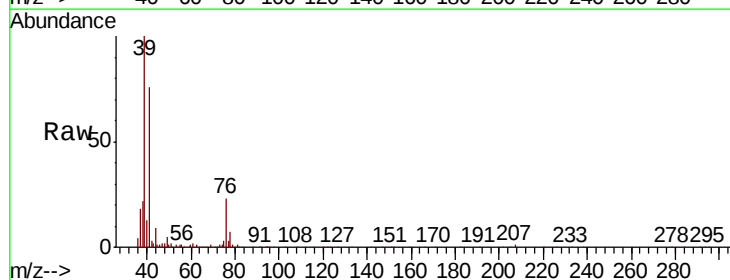
Instrument :
MSVOA_F
ClientSampleId :
VF1005SBS01

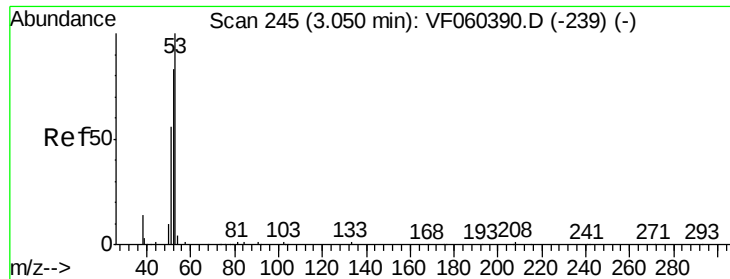
Tot Ion: 56 Resp: 10831
Ion Ratio Lower Upper
56 100
55 67.6 53.9 80.9



#14
Allyl chloride
Concen: 24.080 ug/l
RT: 2.18 min Scan# 157
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Tgt Ion: 41 Resp: 89513
Ion Ratio Lower Upper
41 100
39 132.3 98.3 147.5
76 30.3 23.9 35.9





#15

Acrylonitrile

Concen: 77.085 ug/l

RT: 3.06 min Scan# 247

Delta R.T. 0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

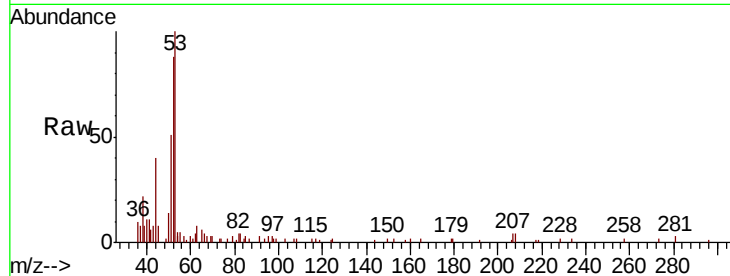
MSVOA_F

ClientSampleId :

VF1005SBS01

Tot Ion: 53 Resp: 23910

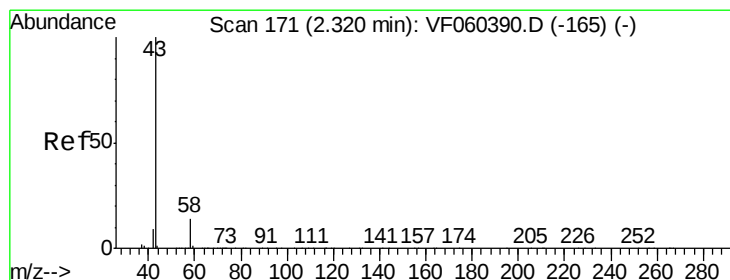
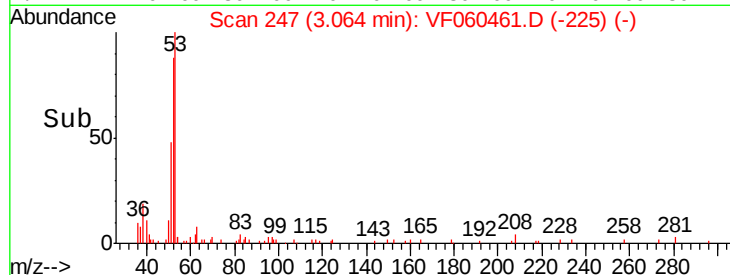
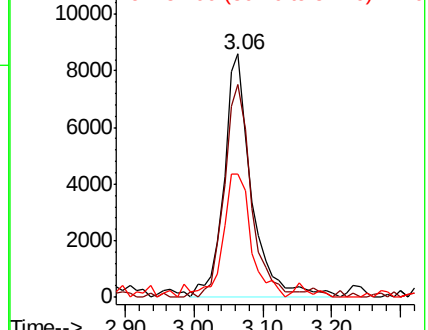
Ion	Ratio	Lower	Upper
53	100		
52	87.6	66.0	99.0
51	50.7	45.6	68.4



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 89.342 ug/l

RT: 2.33 min Scan# 173

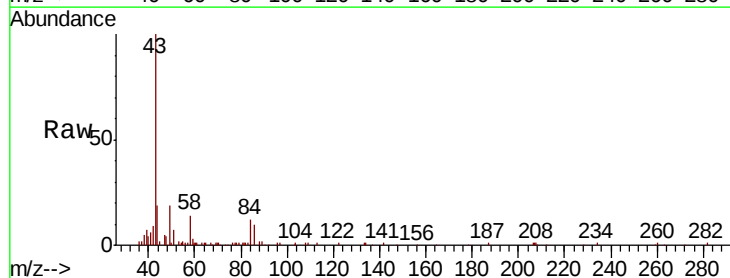
Delta R.T. 0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

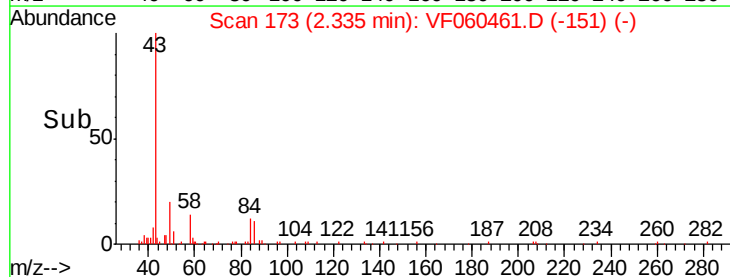
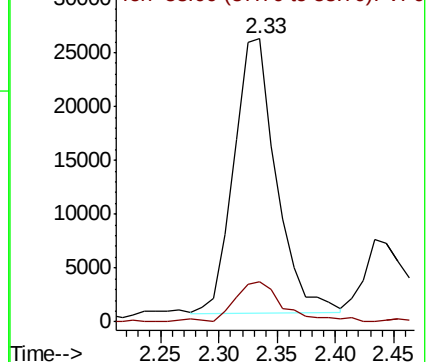
Tgt Ion: 43 Resp: 64463

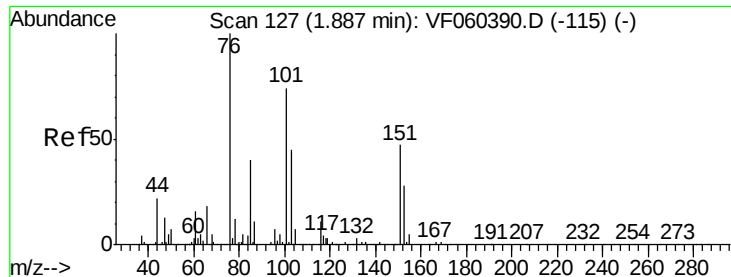
Ion	Ratio	Lower	Upper
43	100		
58	14.3	11.2	16.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

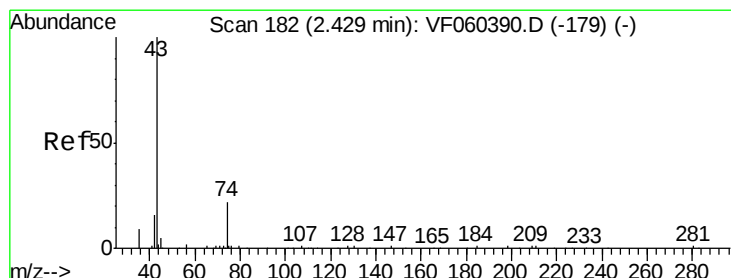
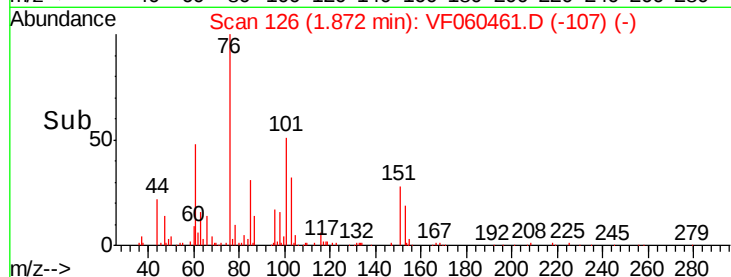
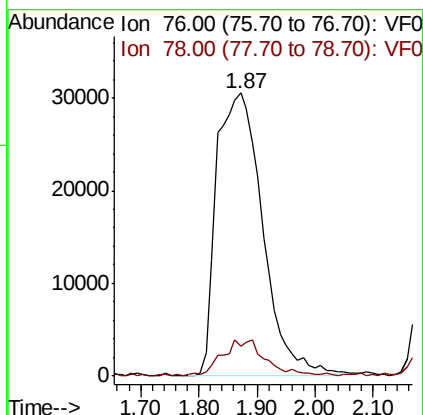
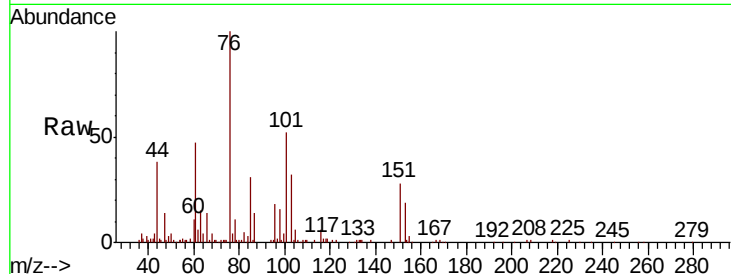




#17
Carbon Disulfide
Concen: 23.961 ug/l
RT: 1.87 min Scan# 126
Delta R.T. -0.02 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

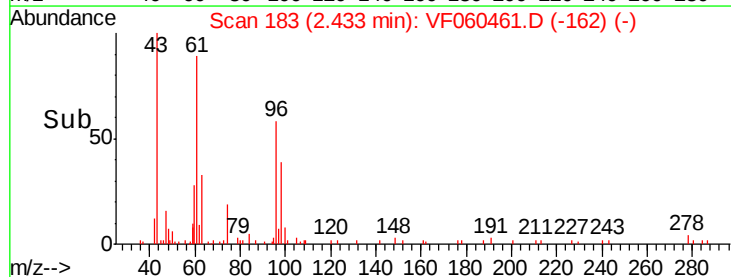
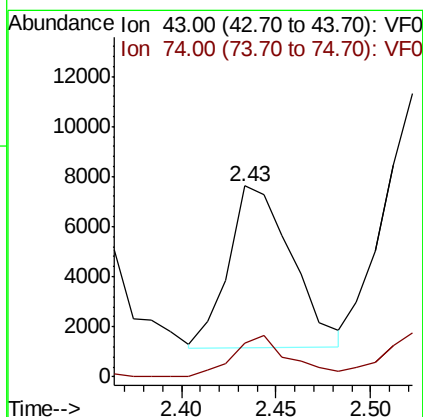
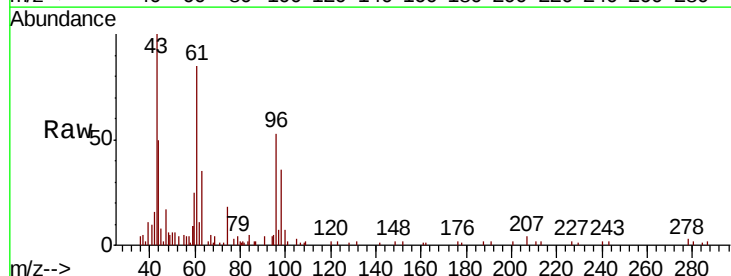
Instrument :
MSVOA_F
ClientSampleId :
VF1005SBS01

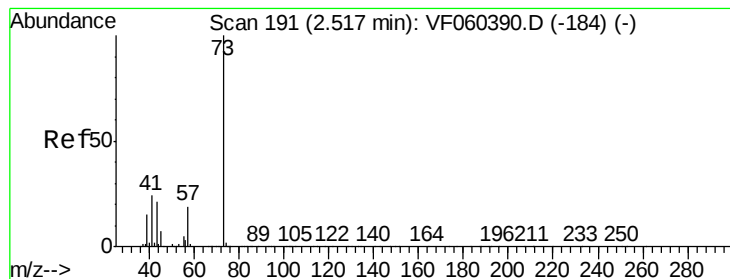
Tot Ion: 76 Resp: 168325
Ion Ratio Lower Upper
76 100
78 10.8 10.1 15.1



#18
Methyl Acetate
Concen: 12.032 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Tgt Ion: 43 Resp: 15051
Ion Ratio Lower Upper
43 100
74 17.9 15.8 23.8



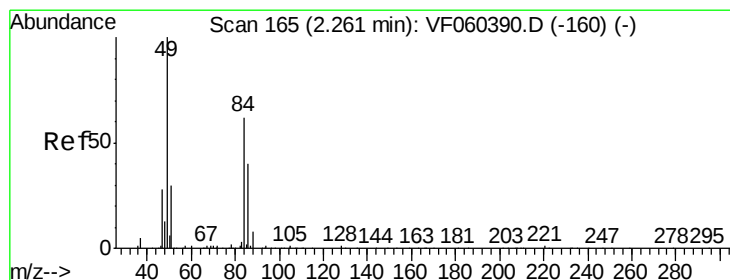
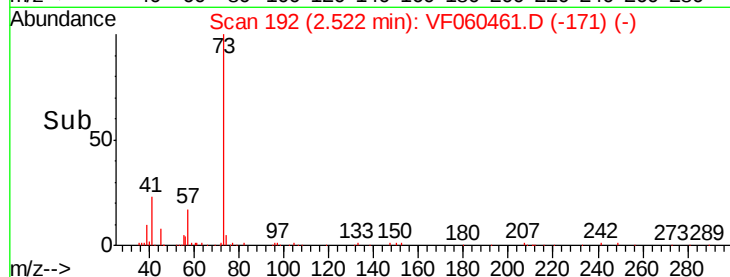
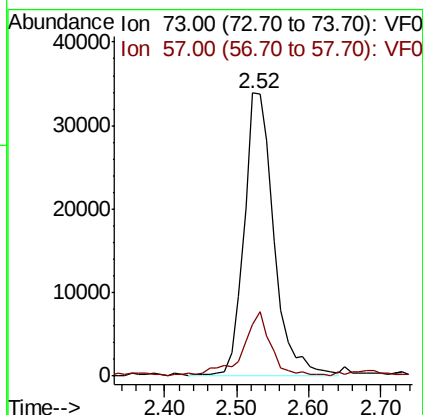
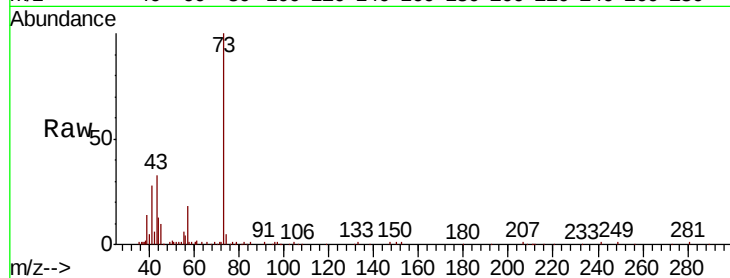


#19

Methyl tert-butyl Ether
 Concen: 17.394 ug/l
 RT: 2.52 min Scan# 192
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1005SBS01

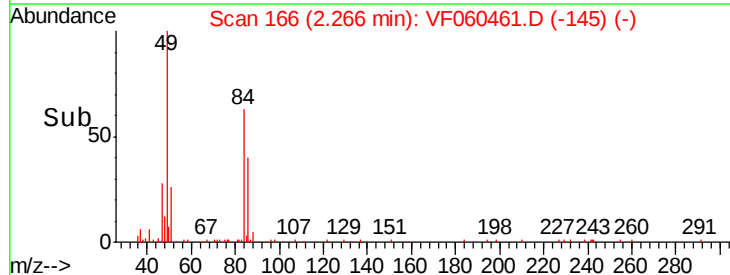
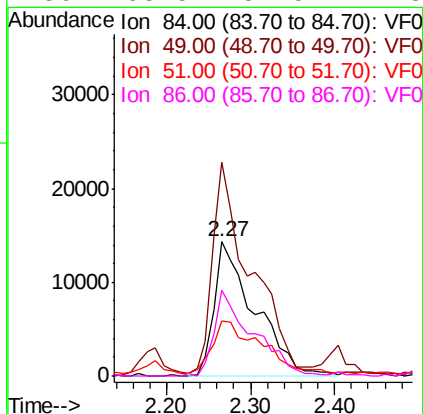
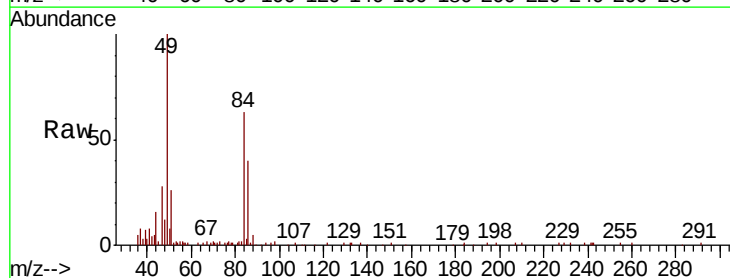
Tot Ion: 73 Resp: 98284
 Ion Ratio Lower Upper
 73 100
 57 18.1 15.9 23.9

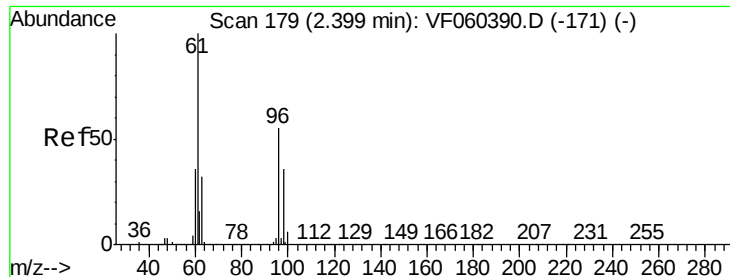


#20

Methylene Chloride
 Concen: 18.467 ug/l
 RT: 2.27 min Scan# 166
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Tgt Ion: 84 Resp: 48009
 Ion Ratio Lower Upper
 84 100
 49 159.2 130.2 195.2
 51 41.5 41.0 61.6
 86 63.5 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 23.426 ug/l

RT: 2.40 min Scan# 180

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF1005SBS01

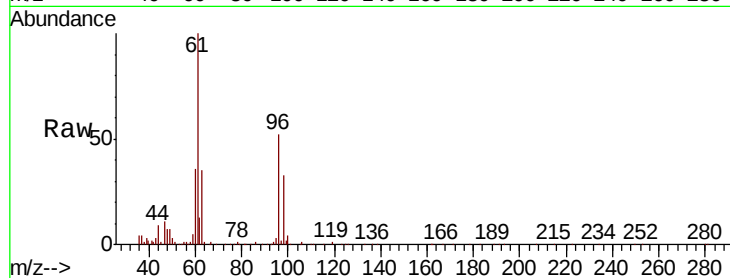
Tot Ion: 96 Resp: 54278

Ion Ratio Lower Upper

96 100

61 191.6 146.2 219.2

98 63.1 52.6 78.8

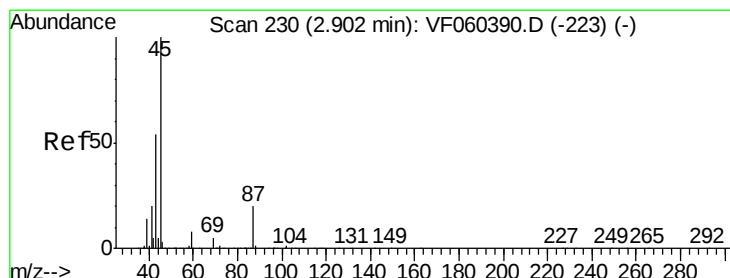
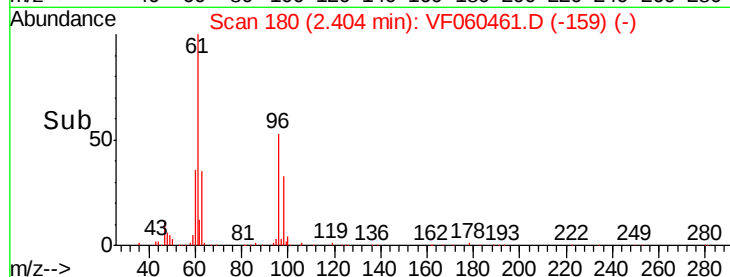
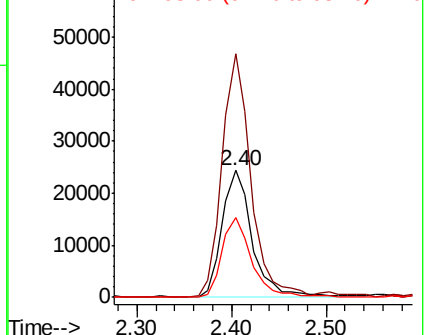


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 19.140 ug/l

RT: 2.91 min Scan# 231

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Tgt Ion: 45 Resp: 129142

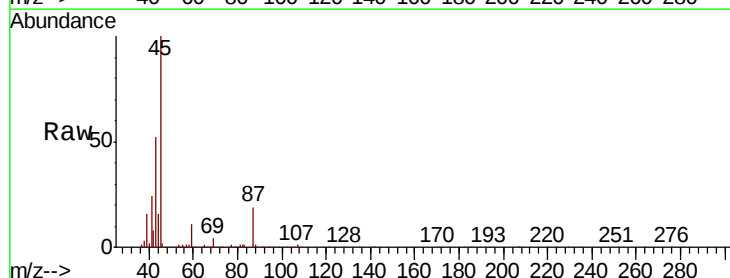
Ion Ratio Lower Upper

45 100

43 52.5 43.8 65.8

87 19.4 16.3 24.5

59 10.7 6.6 10.0#



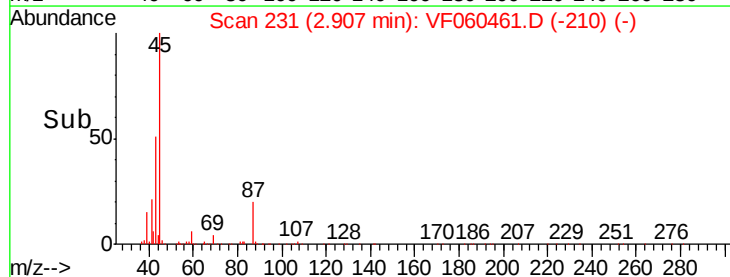
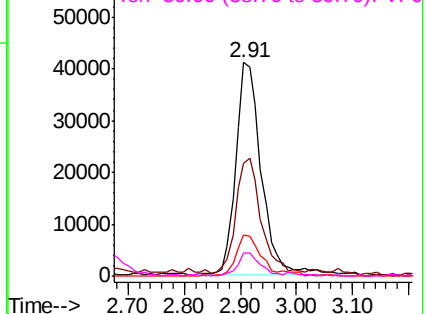
Abundance

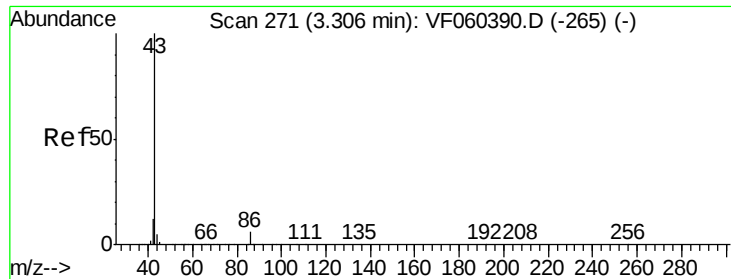
Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 78.126 ug/l

RT: 3.32 min Scan# 273

Delta R.T. 0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

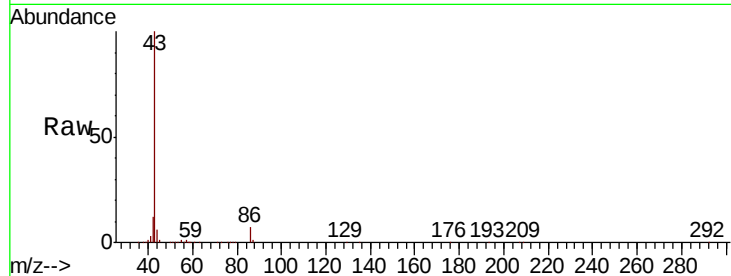
VF1005SBS01

Tot Ion: 43 Resp: 209399

Ion Ratio Lower Upper

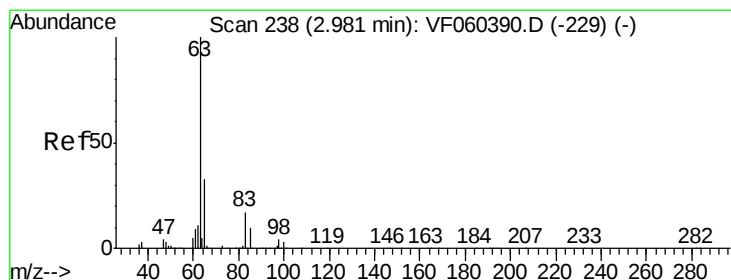
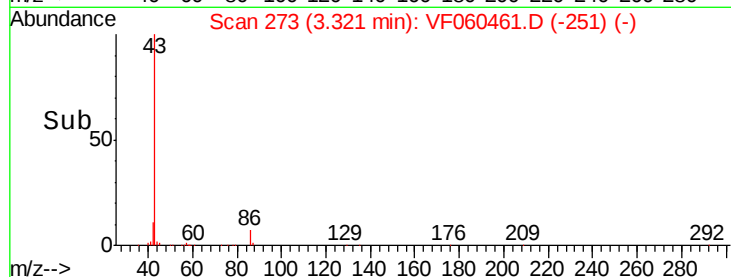
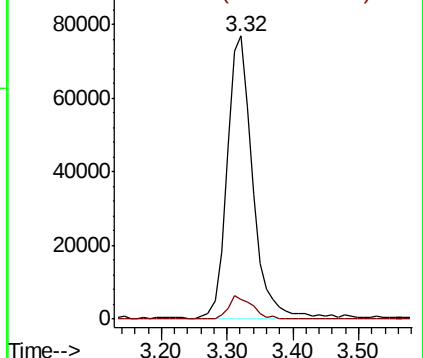
43 100

86 7.0 5.1 7.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 23.002 ug/l

RT: 3.00 min Scan# 240

Delta R.T. 0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

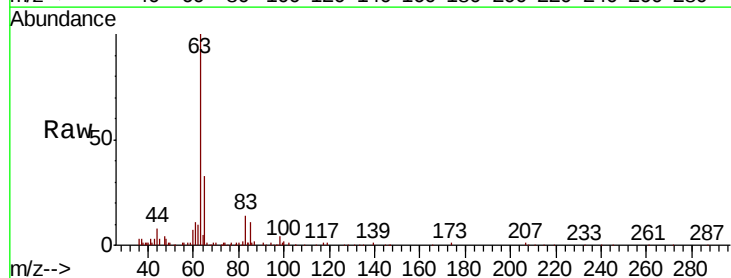
Tgt Ion: 63 Resp: 104955

Ion Ratio Lower Upper

63 100

98 4.1 2.0 5.8

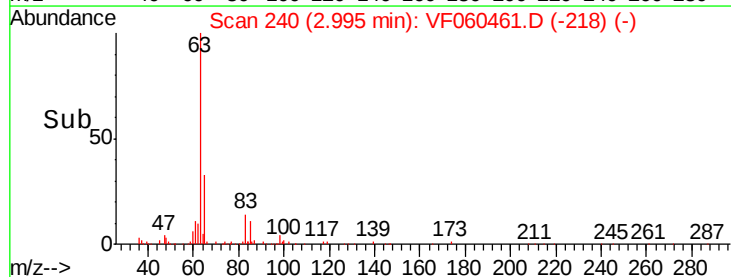
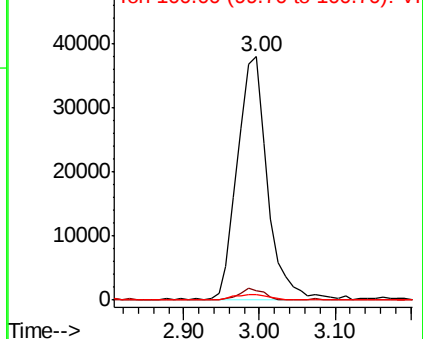
100 2.5 1.4 4.2

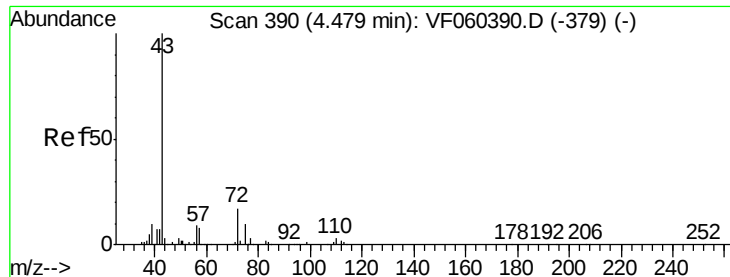


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 92.154 ug/l

RT: 4.48 min Scan# 391

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

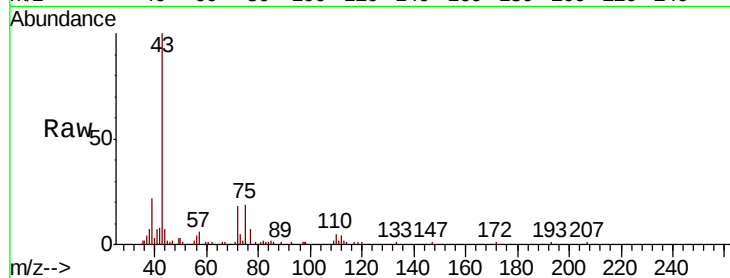
VF1005SBS01

Tot Ion: 43 Resp: 71411

Ion Ratio Lower Upper

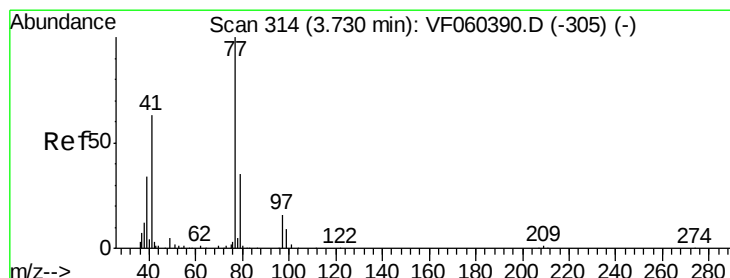
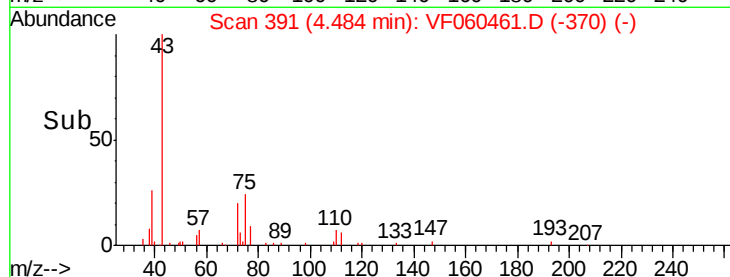
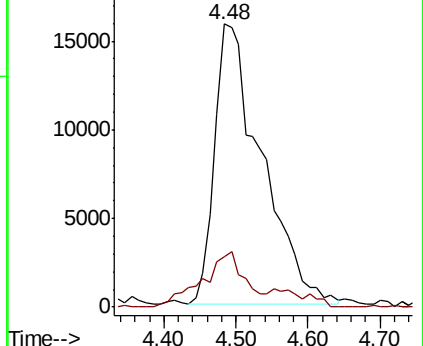
43 100

72 17.6 14.1 21.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 27.118 ug/l

RT: 3.74 min Scan# 316

Delta R.T. 0.01 min

Lab File: VF060461.D

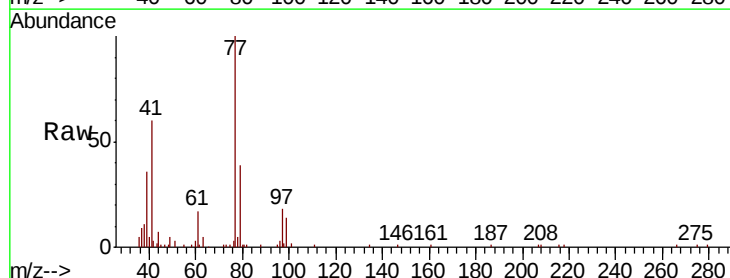
Acq: 5 Oct 2018 17:45

Tgt Ion: 77 Resp: 70081

Ion Ratio Lower Upper

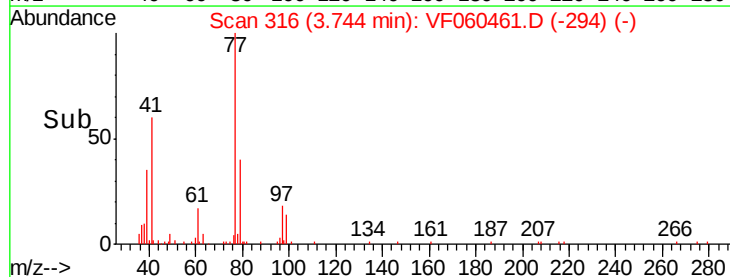
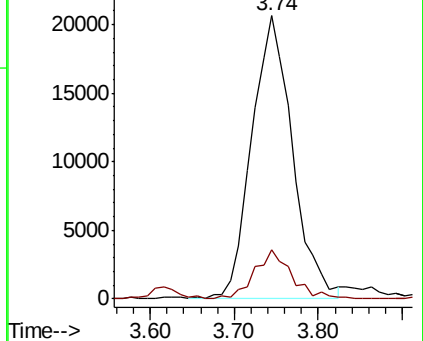
77 100

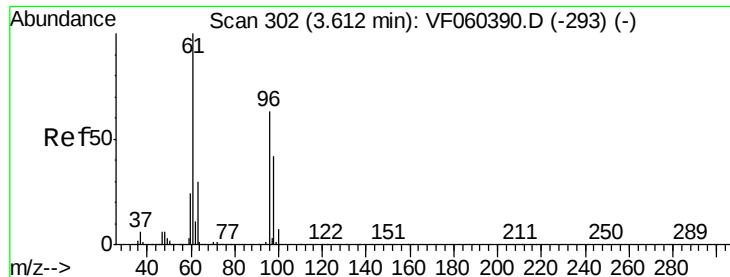
97 17.5 8.3 25.1



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



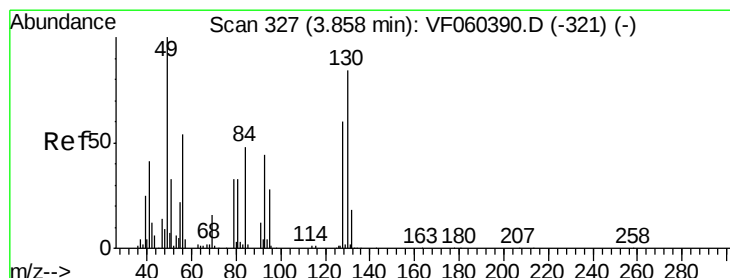
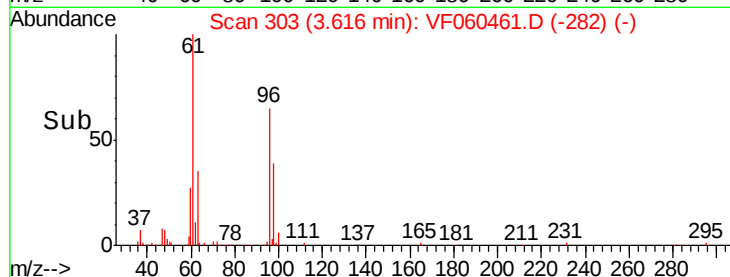
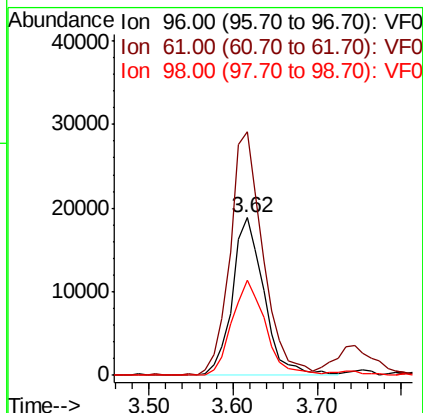
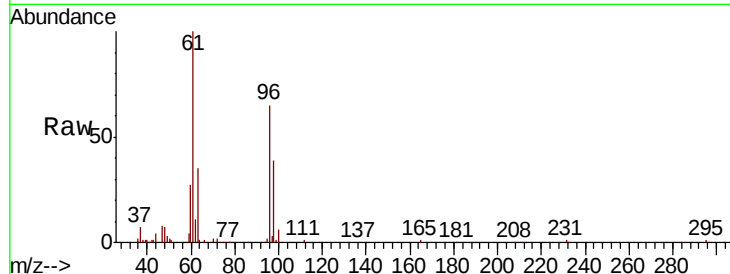


#27

cis-1,2-Dichloroethene
 Concen: 19.105 ug/l
 RT: 3.62 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1005SBS01

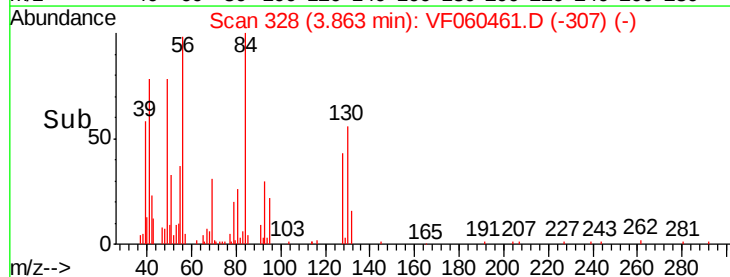
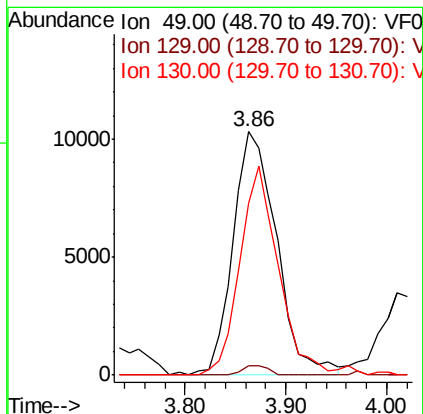
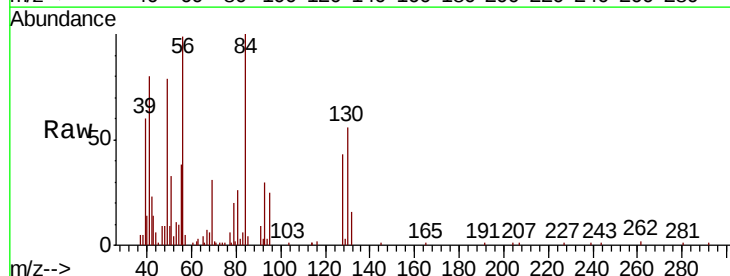
Tot Ion	Ratio	Lower	Upper
96	100		
61	154.4	0.0	318.2
98	60.5	0.0	134.0

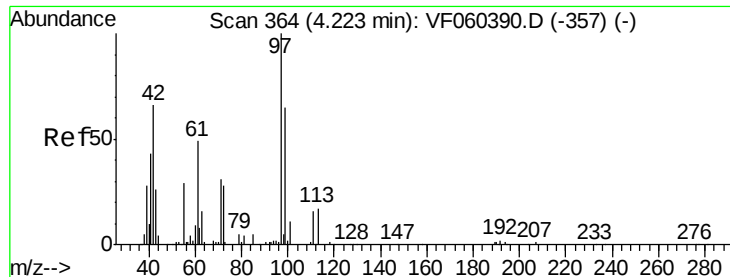


#28

Bromochloromethane
 Concen: 18.445 ug/l
 RT: 3.86 min Scan# 328
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.8	0.0	4.6
130	70.9	67.3	100.9





#29

Tetrahydrofuran

Concen: 68.112 ug/l

RT: 4.24 min Scan# 366

Delta R.T. 0.02 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF1005SBS01

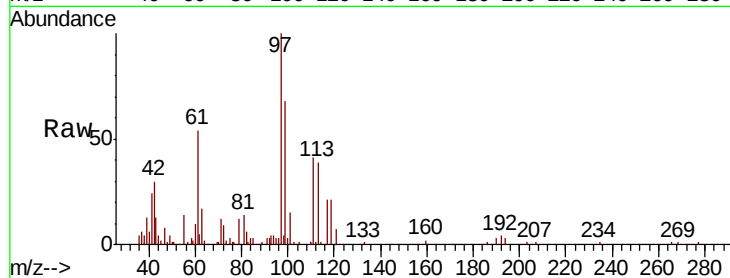
Tot Ion: 42 Resp: 20856

Ion Ratio Lower Upper

42 100

72 38.6 33.6 50.4

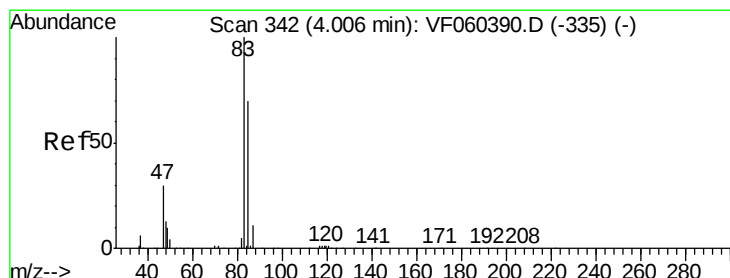
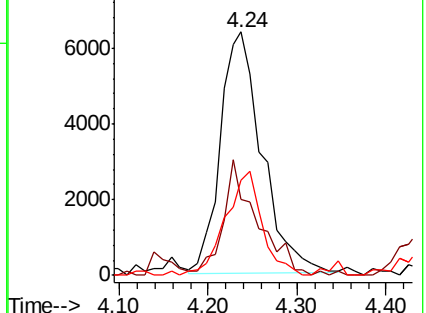
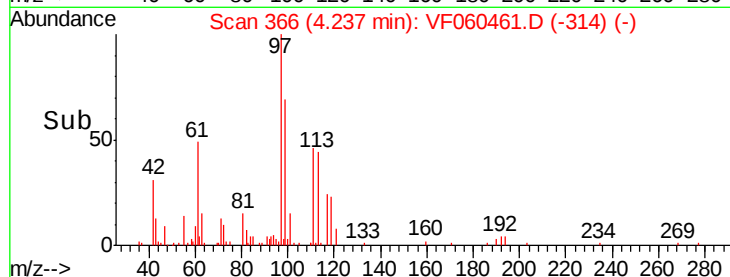
71 38.1 32.7 49.1



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: 21.725 ug/l

RT: 4.02 min Scan# 344

Delta R.T. 0.01 min

Lab File: VF060461.D

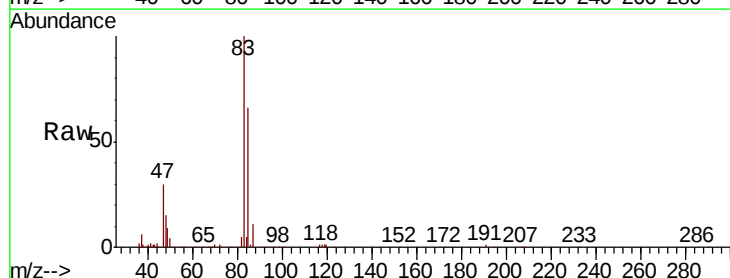
Acq: 5 Oct 2018 17:45

Tgt Ion: 83 Resp: 122315

Ion Ratio Lower Upper

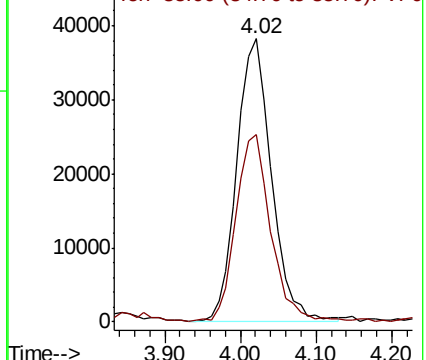
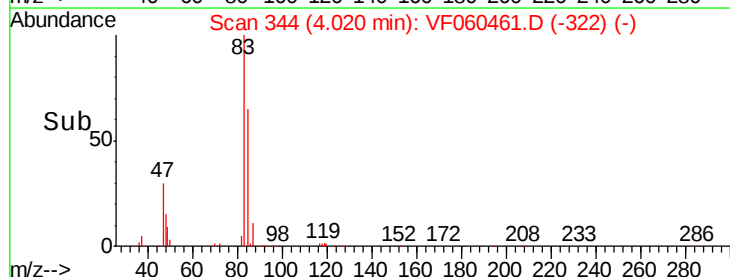
83 100

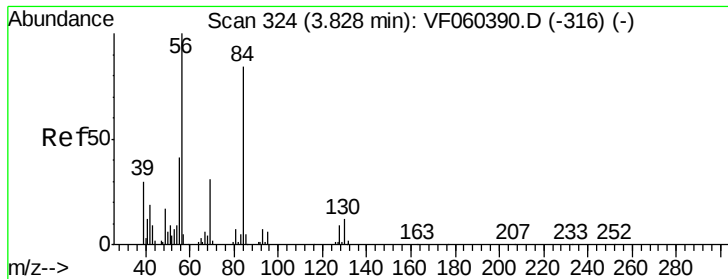
85 66.3 55.9 83.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

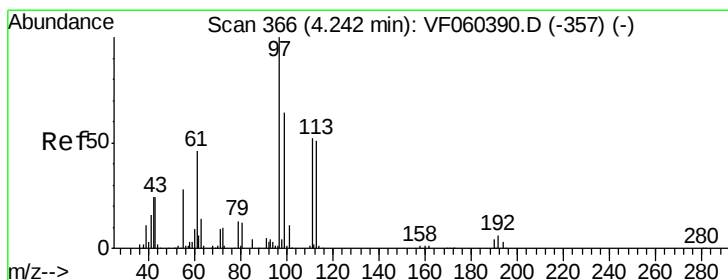
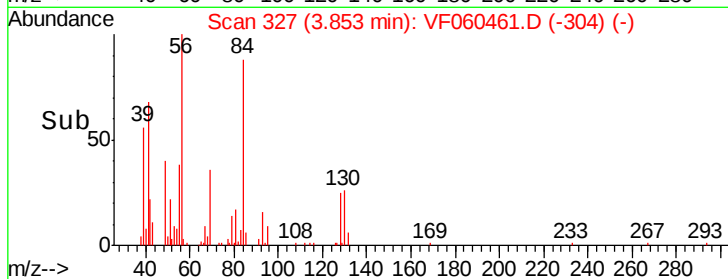
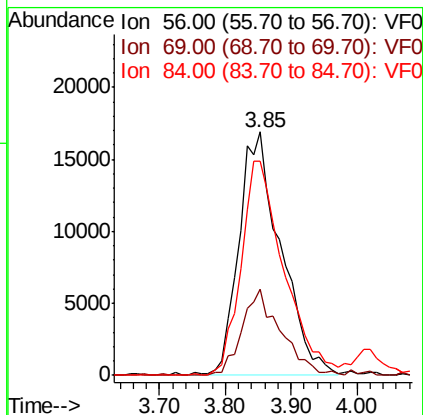
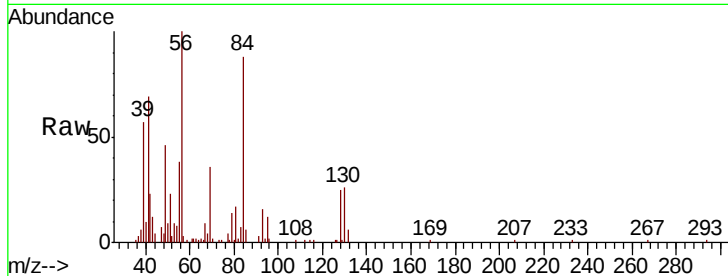




#31
Cyclohexane
Concen: 23.001 ug/l
RT: 3.85 min Scan# 327
Delta R.T. 0.02 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

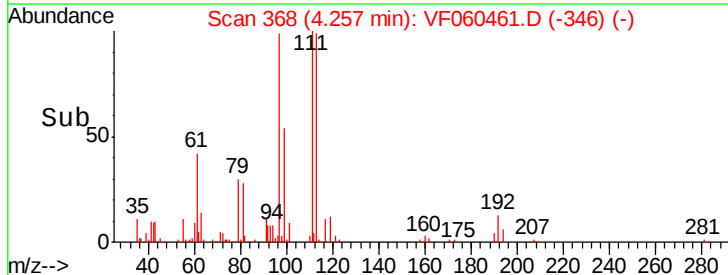
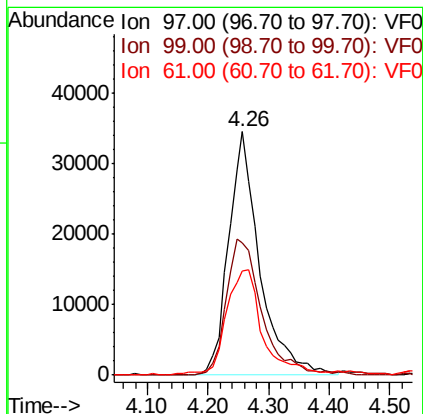
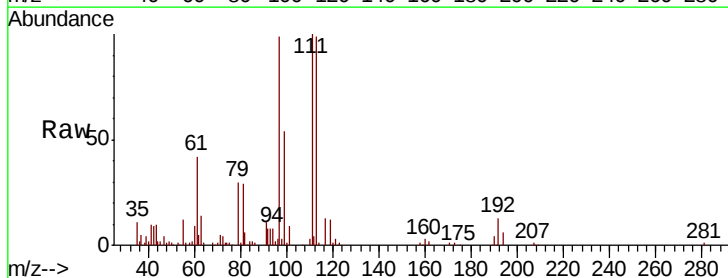
Instrument :
MSVOA_F
ClientSampleId :
VF1005SBS01

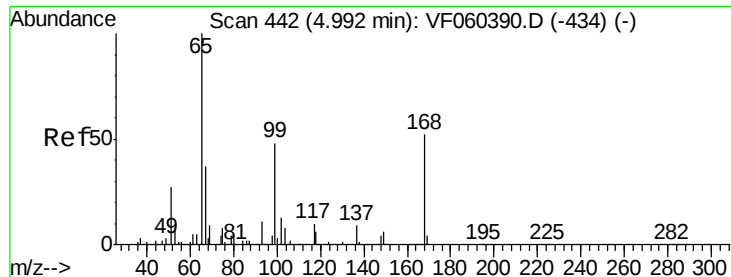
Tot Ion: 56 Resp: 75362
Ion Ratio Lower Upper
56 100
69 35.6 25.5 38.3
84 88.1 67.4 101.0



#32
1,1,1-Trichloroethane
Concen: 26.439 ug/l
RT: 4.26 min Scan# 368
Delta R.T. 0.01 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Tgt Ion: 97 Resp: 123870
Ion Ratio Lower Upper
97 100
99 54.5 51.0 76.4
61 42.7 37.5 56.3

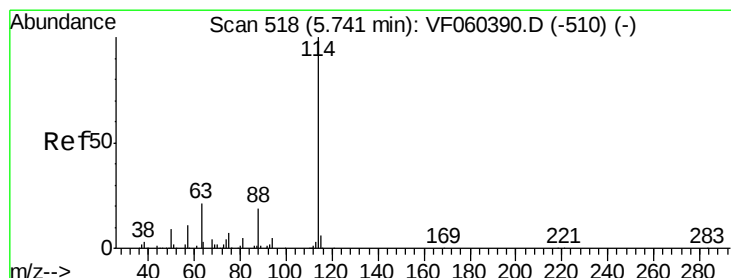
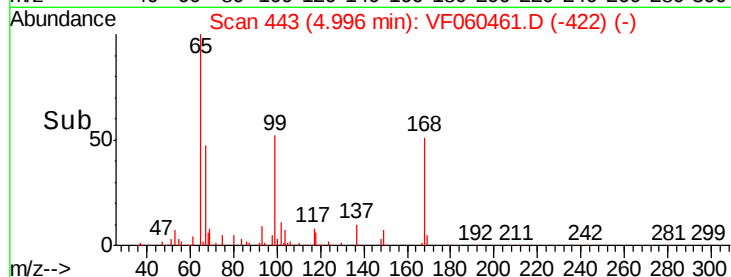
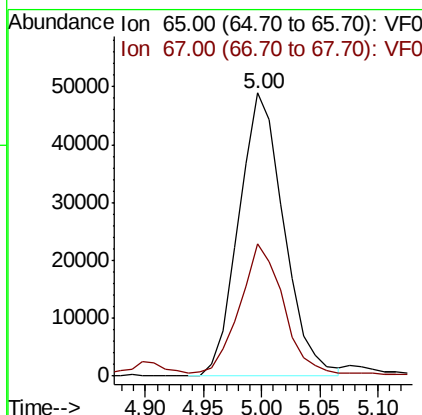
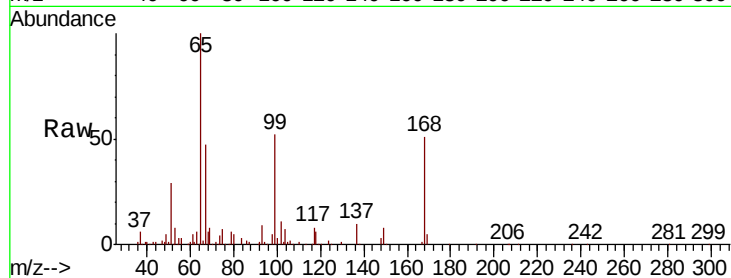




#33
 1,2-Dichloroethane-d4
 Concen: 44.025 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

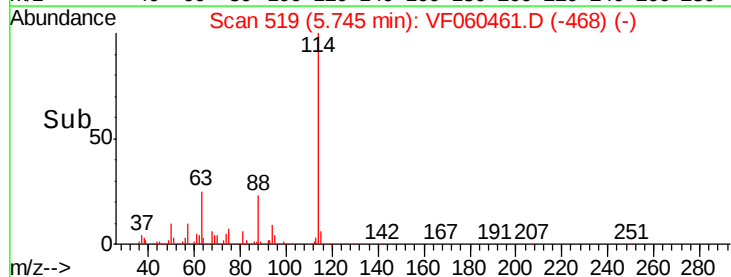
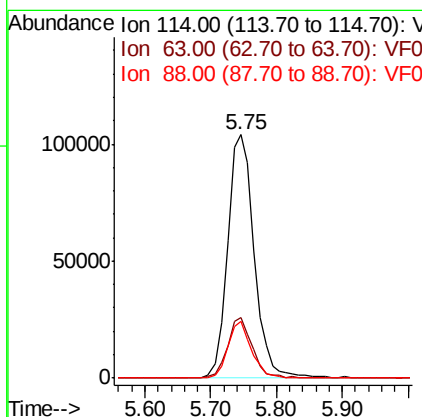
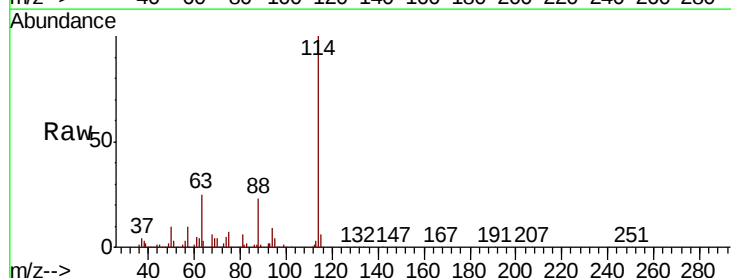
Instrument :
 MSVOA_F
 ClientSampled :
 VF1005SBS01

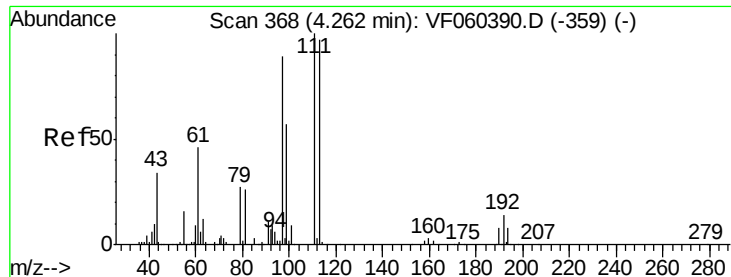
Tot Ion: 65 Resp: 131754
 Ion Ratio Lower Upper
 65 100
 67 47.0 0.0 89.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Tgt Ion: 114 Resp: 292925
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 42.2
 88 23.5 0.0 38.8

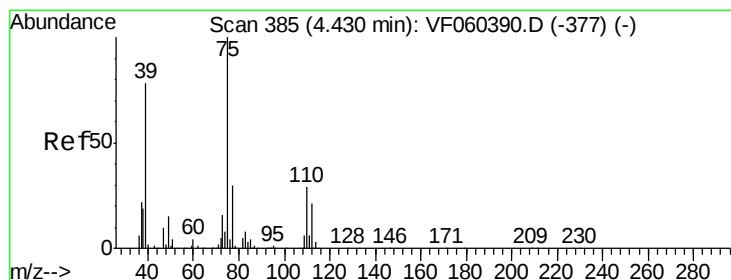
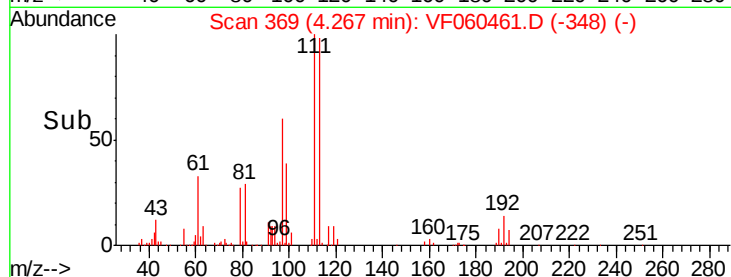
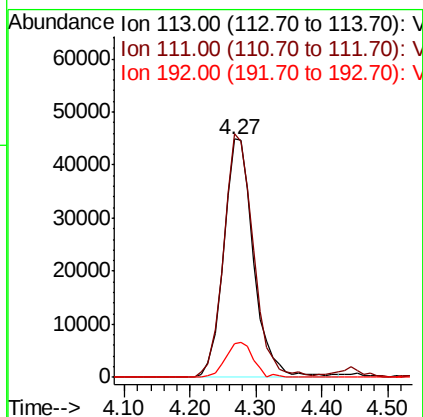
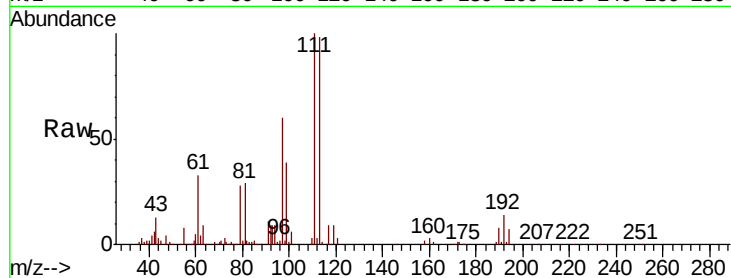




#35
 Dibromofluoromethane
 Concen: 52.053 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

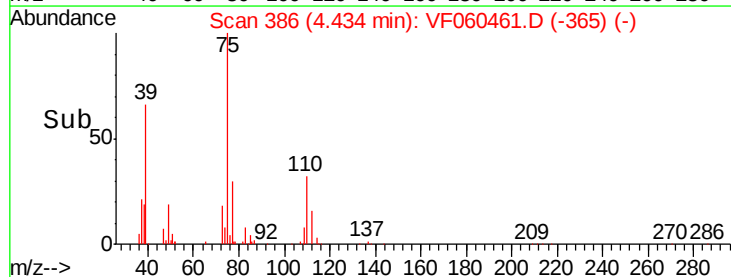
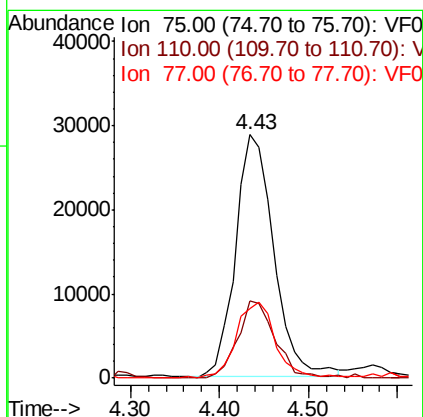
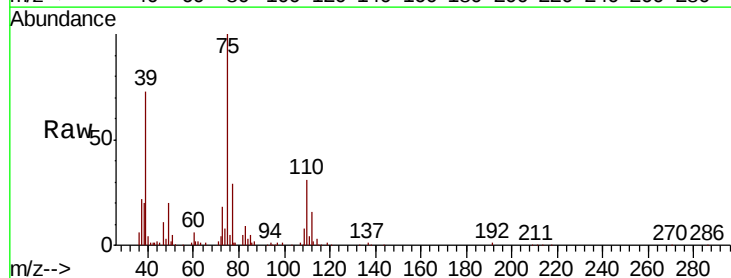
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1005SBS01

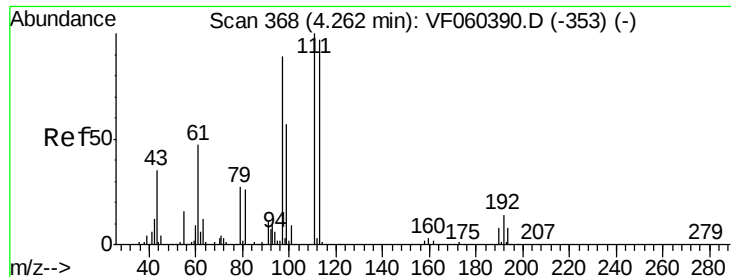
Tot Ion:113 Resp: 143241
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.3 123.5
 192 14.2 11.8 17.6



#36
 1,1-Dichloropropene
 Concen: 23.776 ug/l
 RT: 4.43 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Tgt Ion: 75 Resp: 85867
 Ion Ratio Lower Upper
 75 100
 110 31.5 14.5 43.6
 77 28.6 24.3 36.5

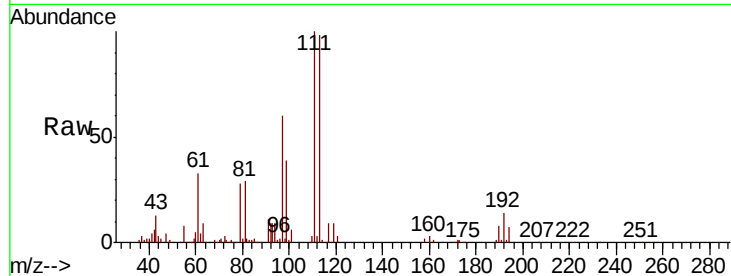




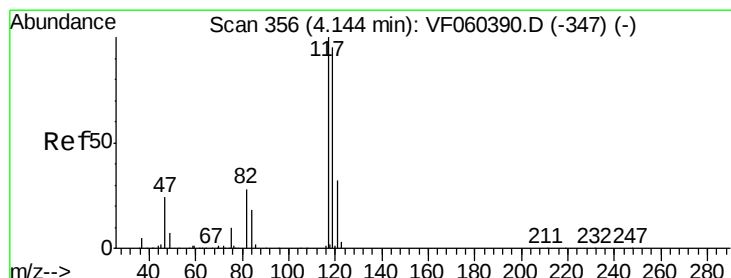
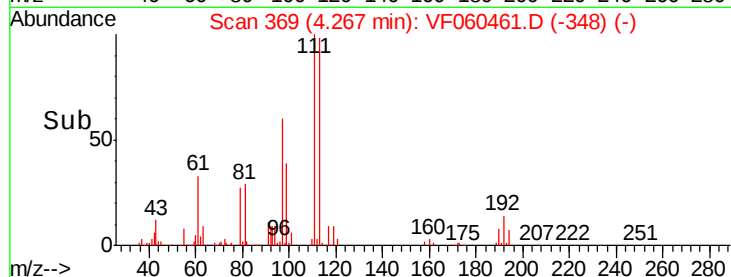
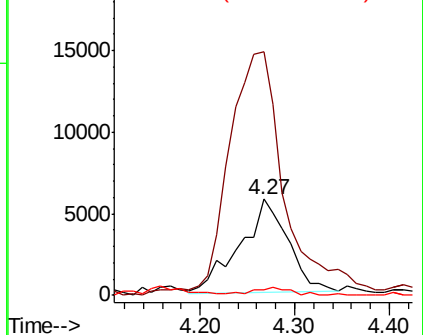
#37
Ethyl Acetate
Concen: 14.783 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF1005SBS01

Tot Ion: 43 Resp: 20445
Ion Ratio Lower Upper
43 100
61 253.1 105.1 157.7#
70 6.2 8.0 12.0#

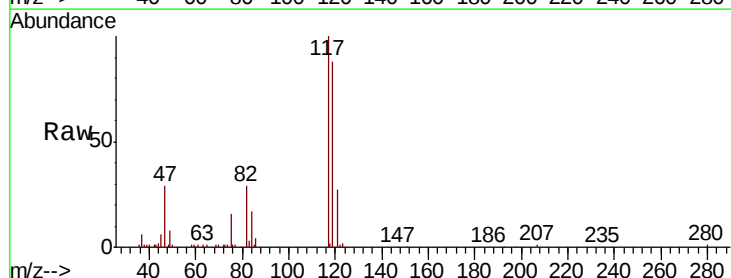


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

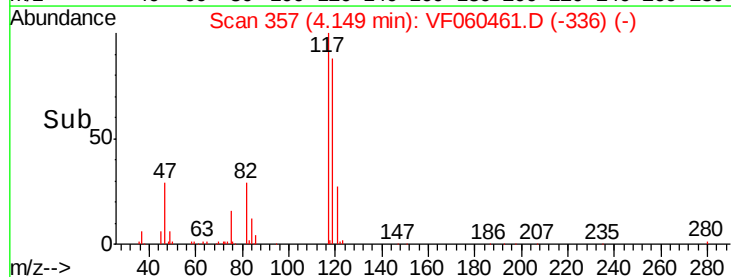
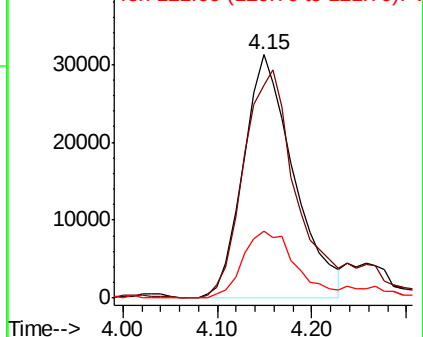


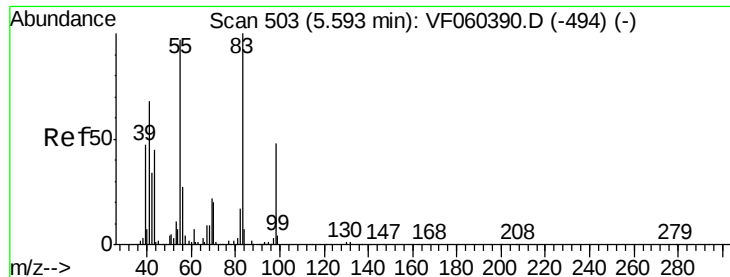
#38
Carbon Tetrachloride
Concen: 26.314 ug/l
RT: 4.15 min Scan# 357
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Tgt Ion: 117 Resp: 115680
Ion Ratio Lower Upper
117 100
119 87.7 75.5 113.3
121 27.3 25.4 38.0



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

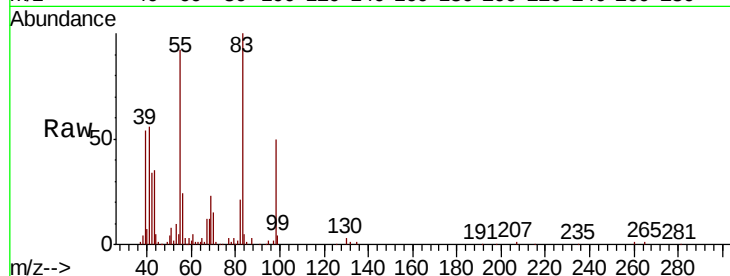




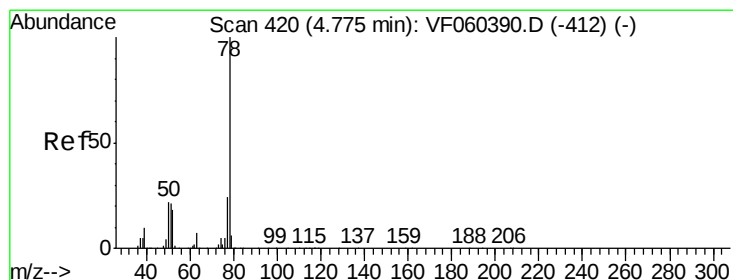
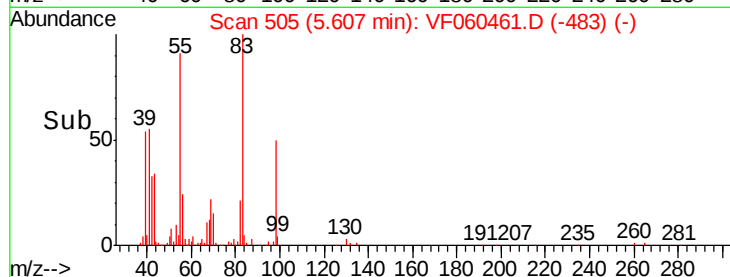
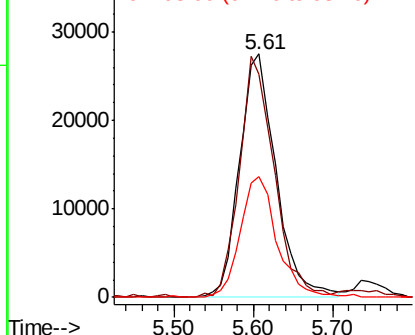
#39
Methvlcvclohexane
Concen: 24.688 ug/l
RT: 5.61 min Scan# 505
Delta R.T. 0.01 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF1005SBS01

Tot Ion: 83 Resp: 87409
Ion Ratio Lower Upper
83 100
55 91.6 77.5 116.3
98 49.7 38.7 58.1

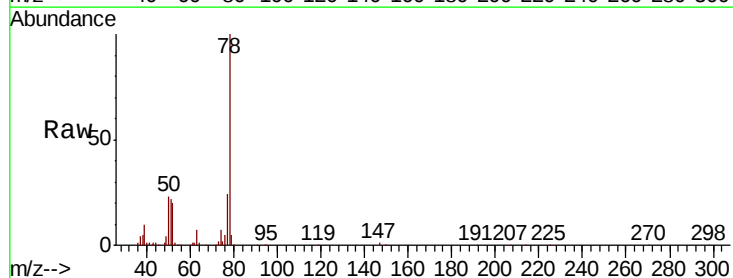


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

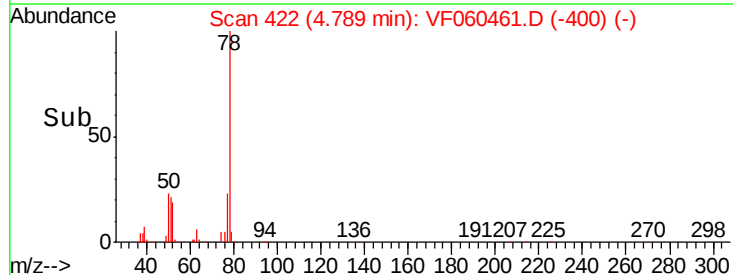
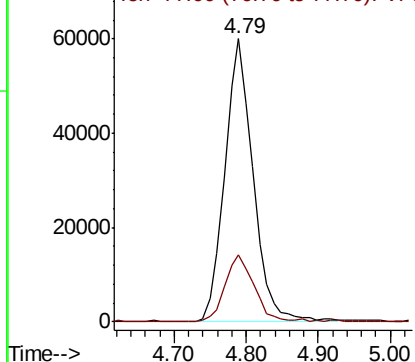


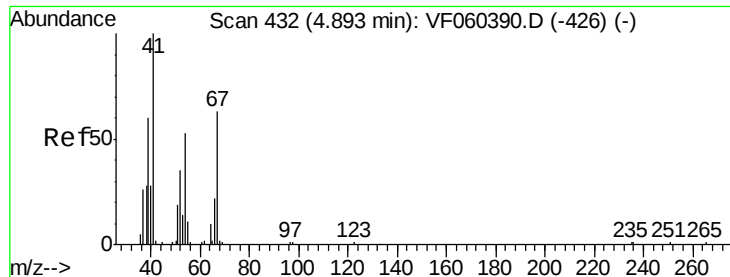
#40
Benzene
Concen: 22.845 ug/l
RT: 4.79 min Scan# 422
Delta R.T. 0.01 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Tgt Ion: 78 Resp: 163788
Ion Ratio Lower Upper
78 100
77 23.5 19.2 28.8



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

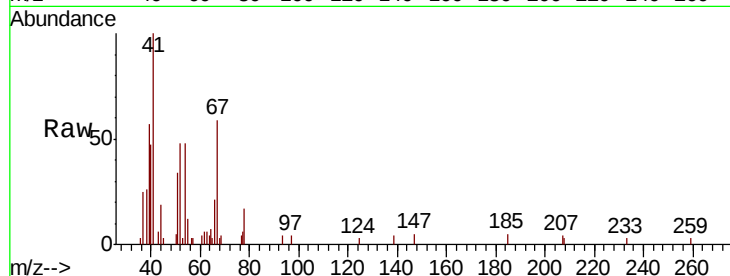




#41
Methacrylonitrile
Concen: 16.401 ug/l
RT: 4.91 min Scan# 434
Delta R.T. 0.01 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF1005SBS01

Tot Ion:	41	Resp:	12027
Ion	Ratio	Lower	Upper
41	100		
39	57.4	55.0	82.4
67	62.3	49.6	74.4
52	48.2	38.8	58.2



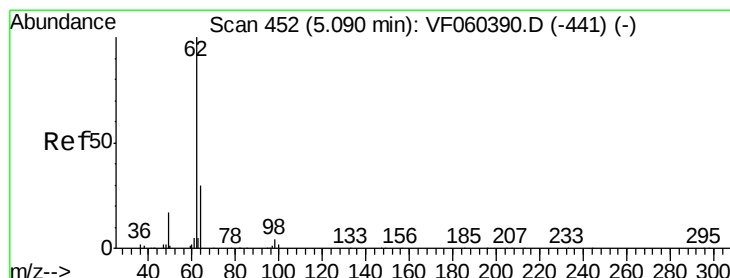
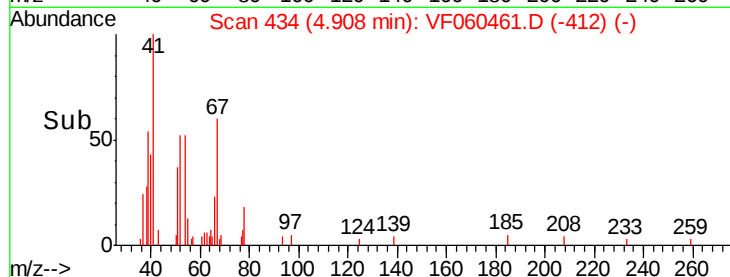
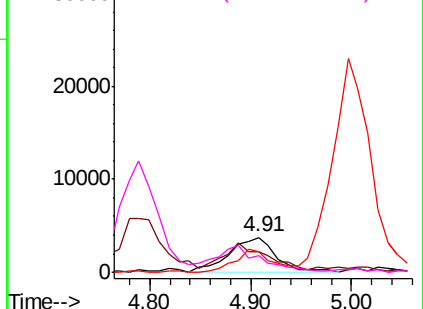
Abundance

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

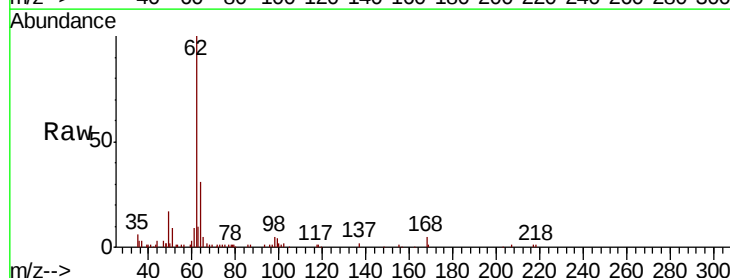
Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42
1,2-Dichloroethane
Concen: 19.722 ug/l
RT: 5.09 min Scan# 453
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

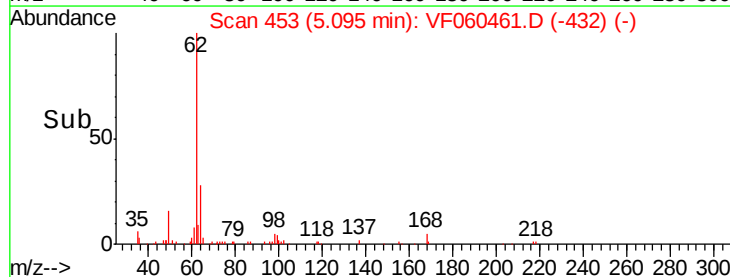
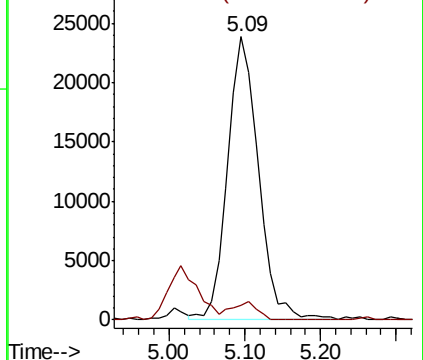
Tgt Ion:	62	Resp:	67459
Ion	Ratio	Lower	Upper
62	100		
98	5.3	0.0	11.2

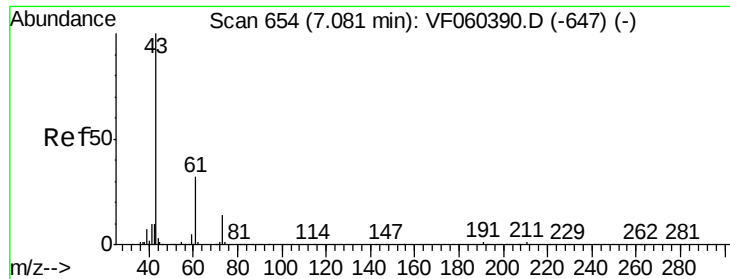


Abundance

Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



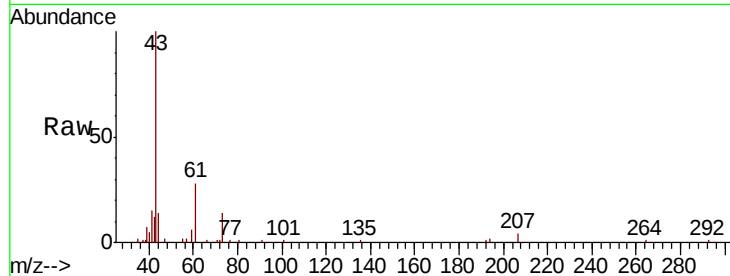


#43

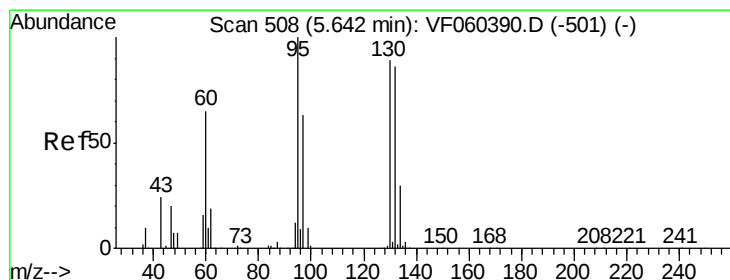
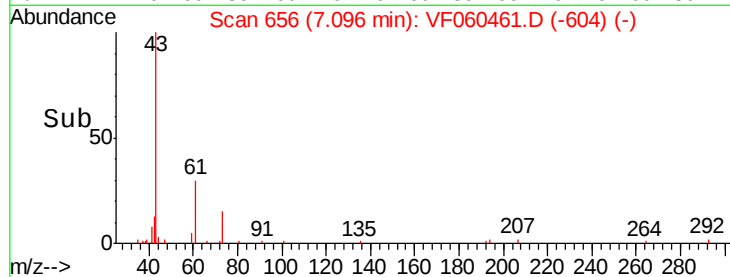
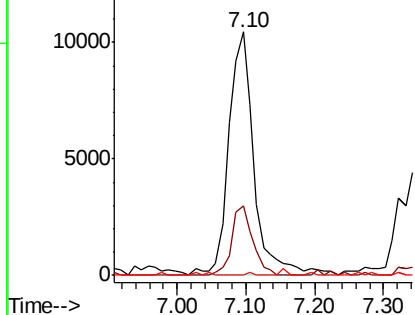
Isopropyl Acetate
 Concen: 15.968 ug/l
 RT: 7.10 min Scan# 656
 Delta R.T. 0.01 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1005SBS01

Tot Ion: 43 Resp: 26688
 Ion Ratio Lower Upper
 43 100
 61 28.3 25.4 38.2
 87 0.0 0.3 0.5#



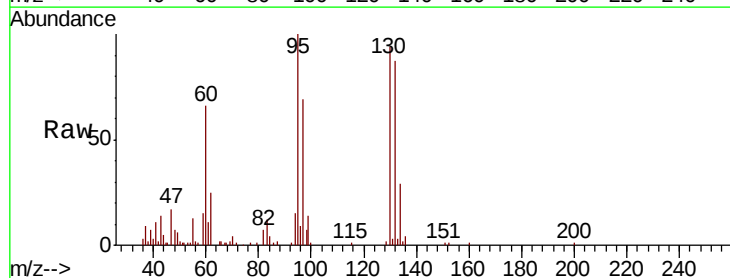
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



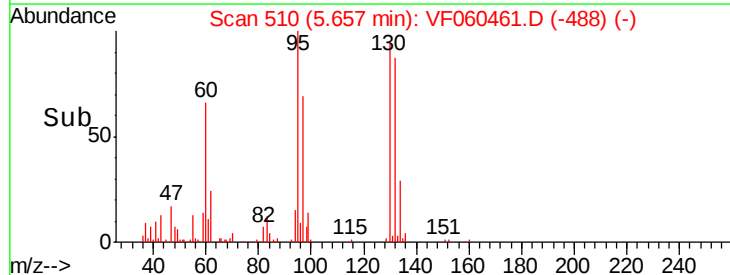
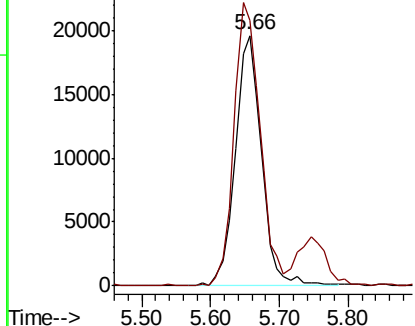
#44

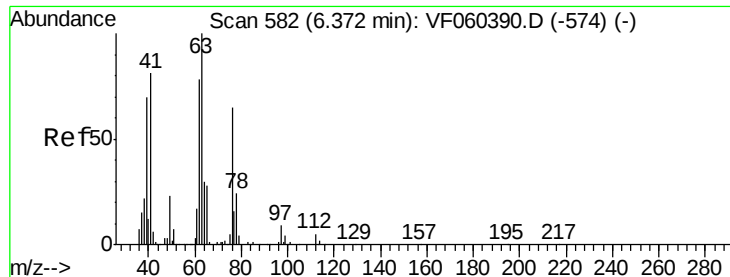
Trichloroethene
 Concen: 22.487 ug/l
 RT: 5.66 min Scan# 510
 Delta R.T. 0.01 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Tgt Ion: 130 Resp: 51731
 Ion Ratio Lower Upper
 130 100
 95 106.1 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: 20.452 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

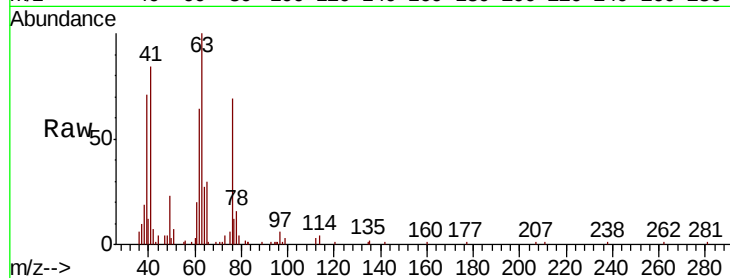
VF1005SBS01

Tot Ion: 63 Resp: 39050

Ion Ratio Lower Upper

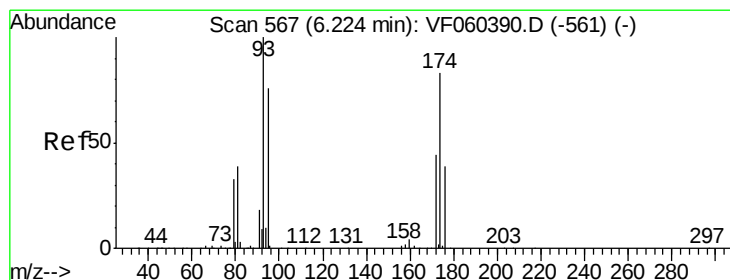
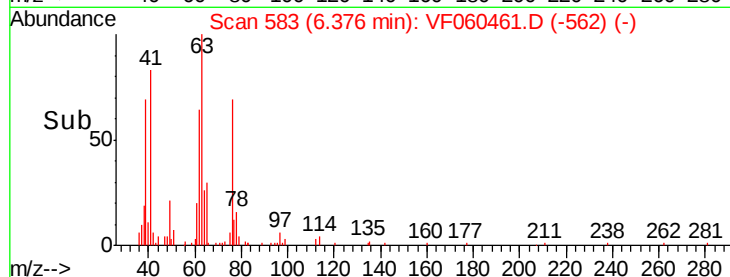
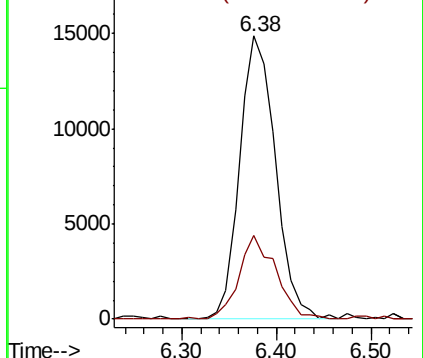
63 100

65 29.6 22.7 34.1



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 17.374 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

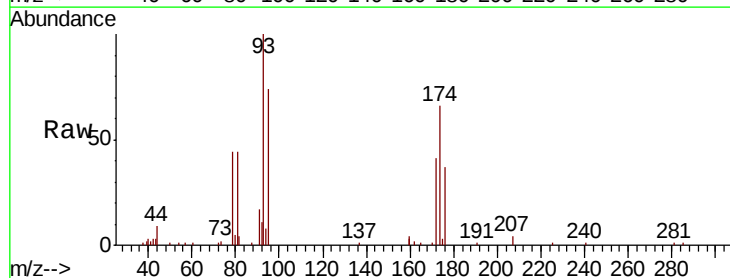
Tgt Ion: 93 Resp: 26671

Ion Ratio Lower Upper

93 100

95 74.0 61.1 91.7

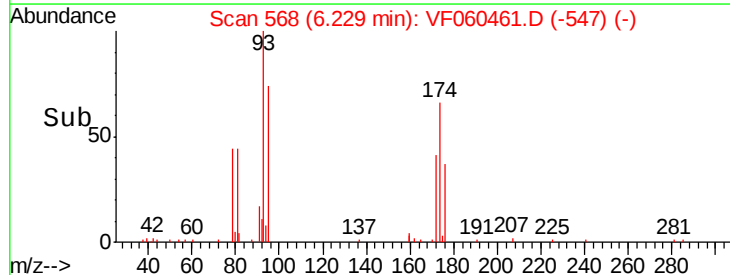
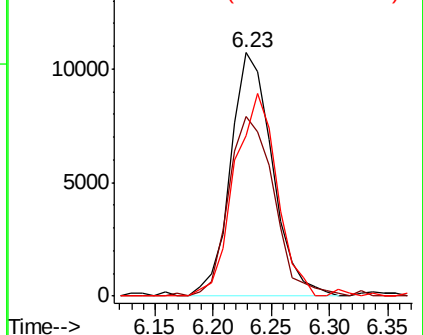
174 65.8 66.7 100.1#

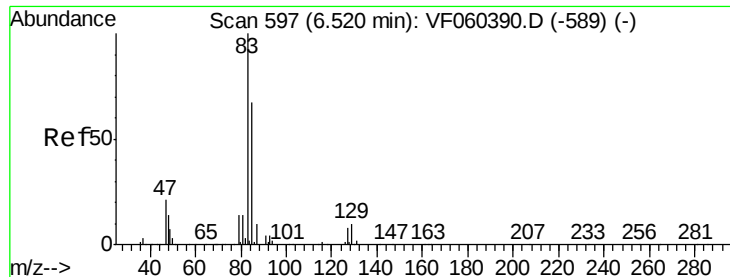


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 20.073 ug/l

RT: 6.52 min Scan# 598

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF1005SBS01

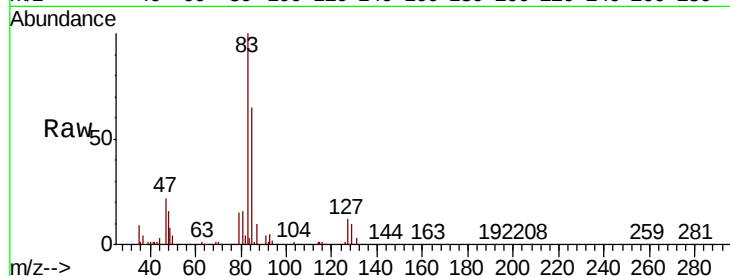
Tot Ion: 83 Resp: 76318

Ion Ratio Lower Upper

83 100

85 65.3 53.2 79.8

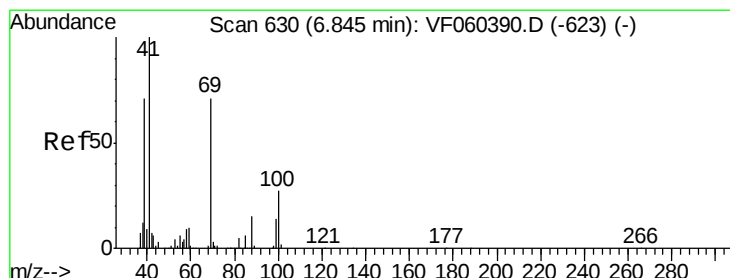
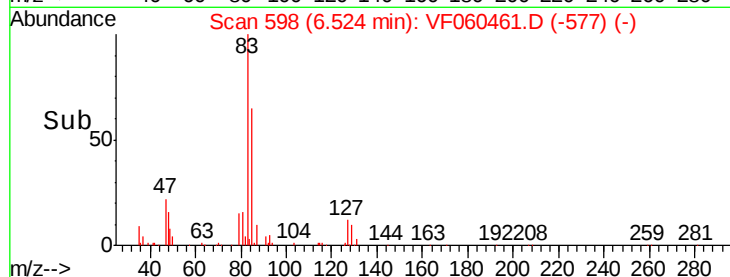
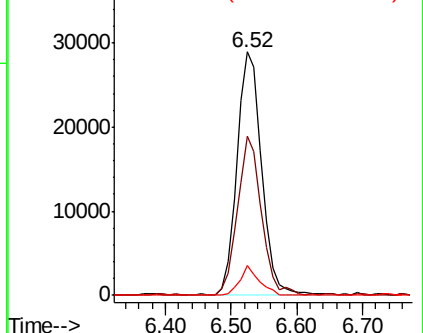
127 12.3 6.6 9.8#



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: 14.795 ug/l

RT: 6.85 min Scan# 631

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

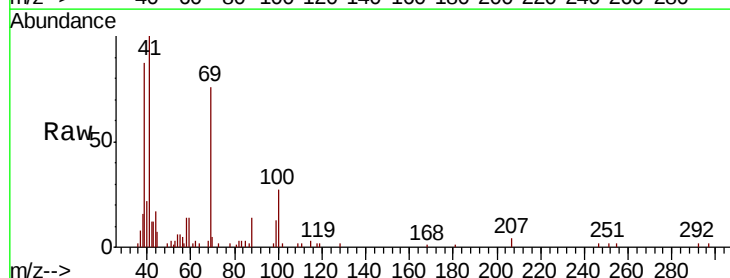
Tgt Ion: 41 Resp: 17750

Ion Ratio Lower Upper

41 100

69 76.4 56.3 84.5

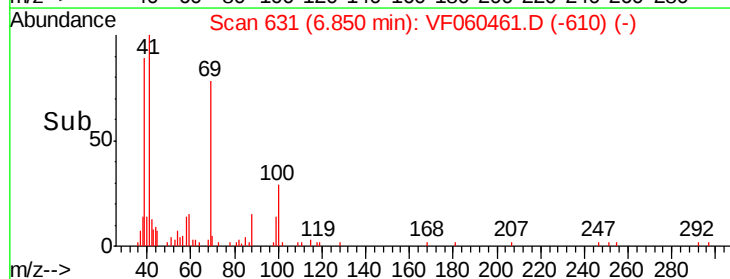
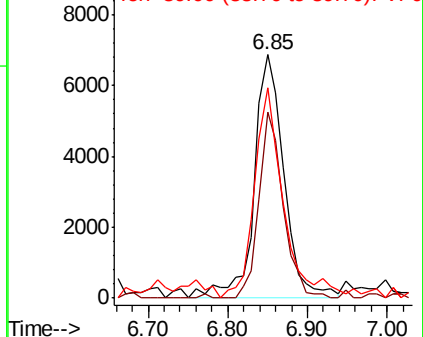
39 86.6 56.9 85.3#

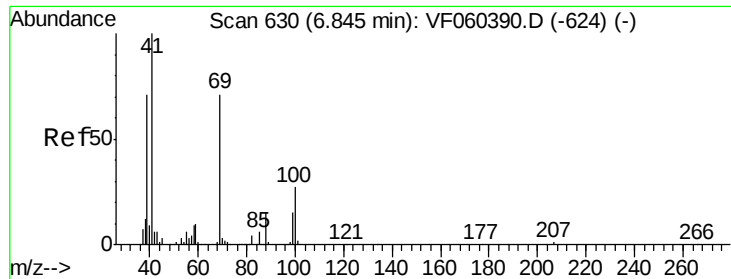


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 294.170 ug/l

RT: 6.84 min Scan# 630

Delta R.T. -0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF1005SBS01

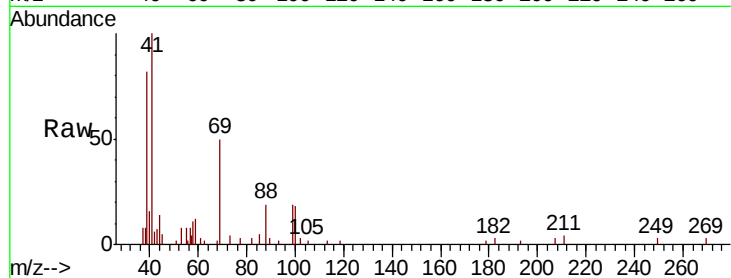
Tot Ion: 88 Resp: 3043

Ion Ratio Lower Upper

88 100

43 38.2 38.3 57.5#

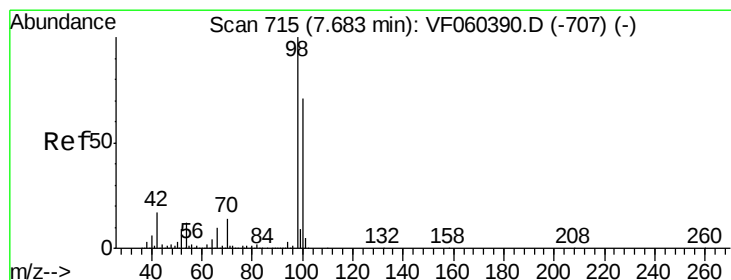
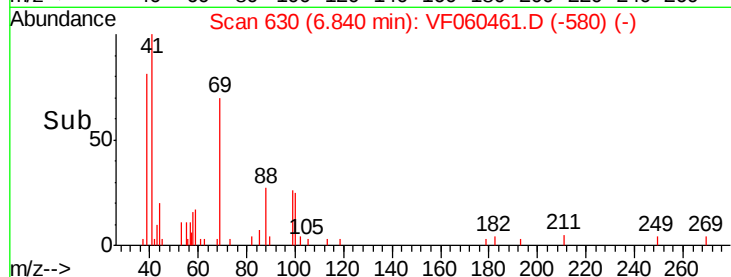
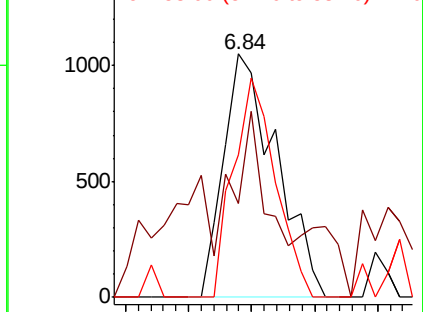
58 58.3 47.4 71.2



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 50.405 ug/l

RT: 7.69 min Scan# 716

Delta R.T. 0.00 min

Lab File: VF060461.D

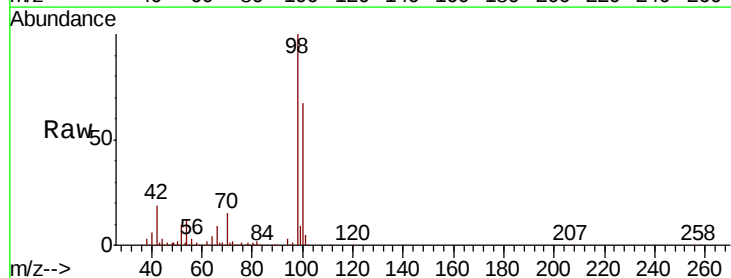
Acq: 5 Oct 2018 17:45

Tgt Ion: 98 Resp: 341607

Ion Ratio Lower Upper

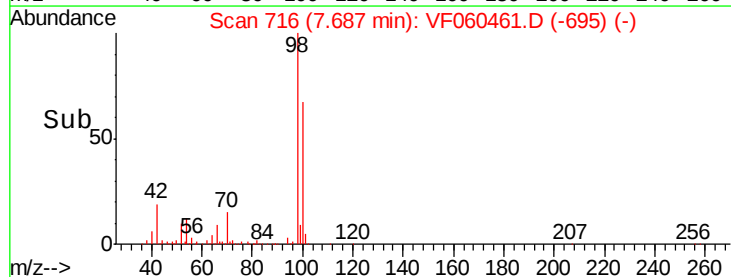
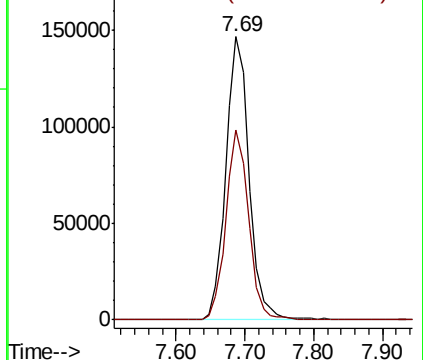
98 100

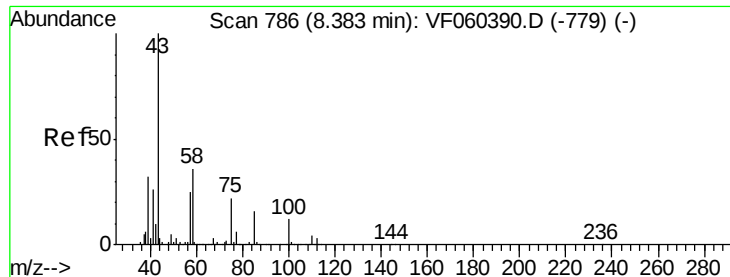
100 66.9 56.5 84.7



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 70.092 ug/l

RT: 8.39 min Scan# 787

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

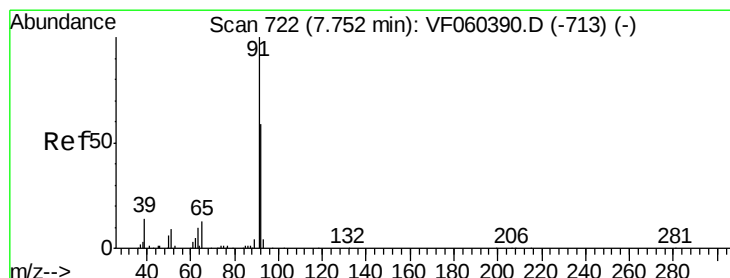
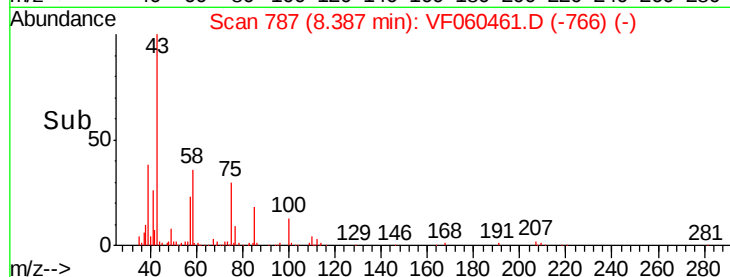
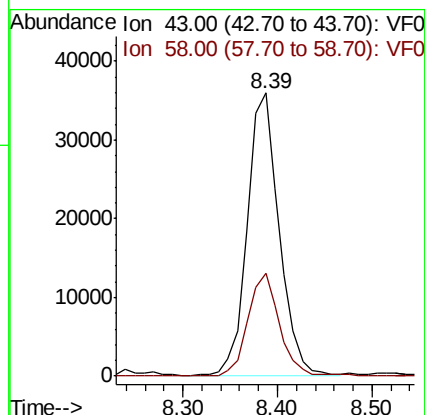
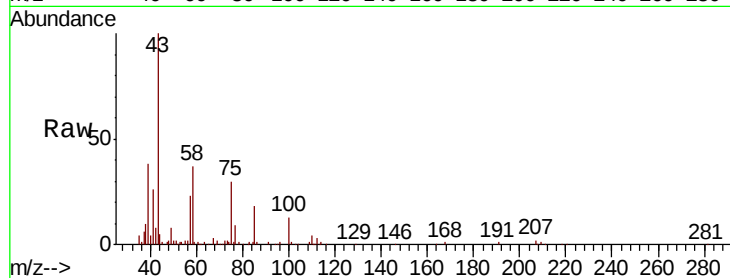
VF1005SBS01

Tot Ion: 43 Resp: 83390

Ion Ratio Lower Upper

43 100

58 36.5 28.5 42.7



#52

Toluene

Concen: 21.213 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.00 min

Lab File: VF060461.D

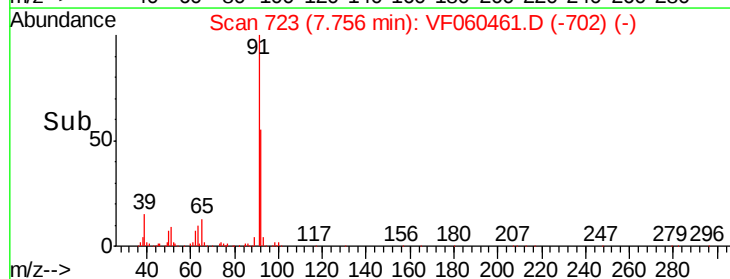
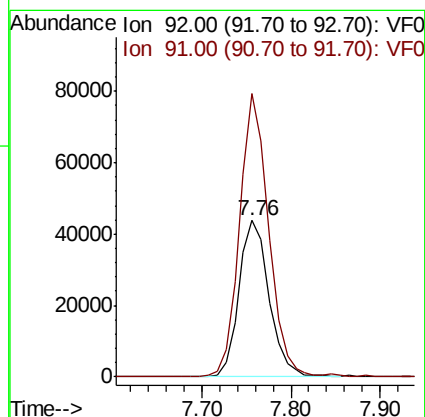
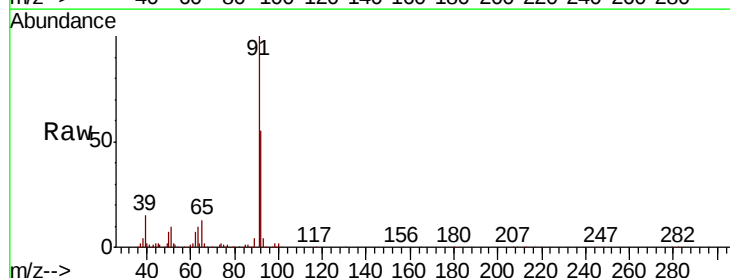
Acq: 5 Oct 2018 17:45

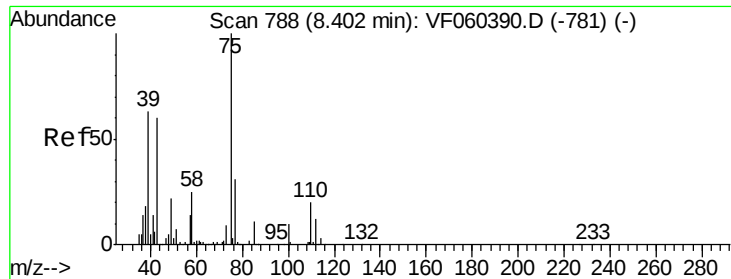
Tgt Ion: 92 Resp: 103302

Ion Ratio Lower Upper

92 100

91 180.7 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 19.798 ug/l

RT: 8.41 min Scan# 789

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

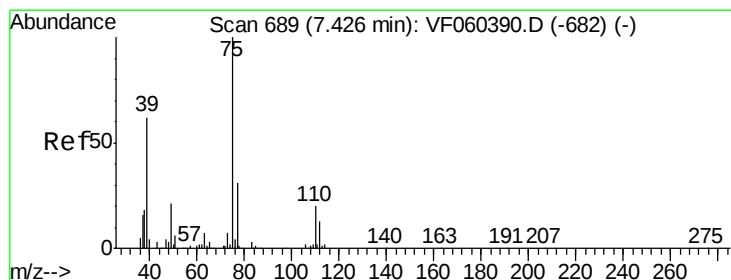
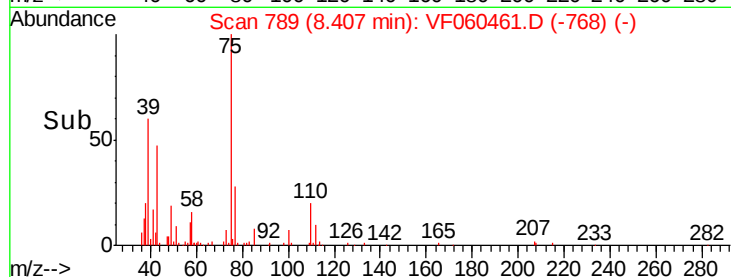
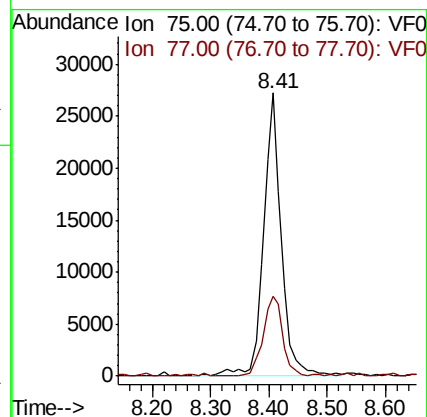
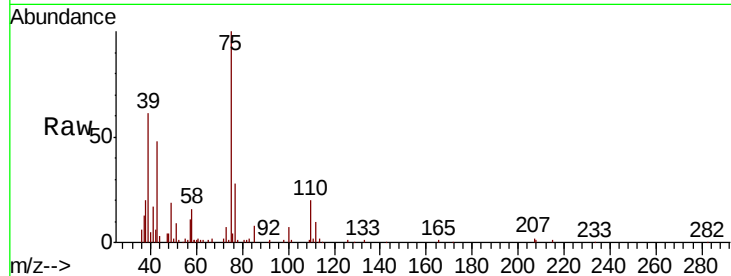
VF1005SBS01

Tot Ion: 75 Resp: 58990

Ion Ratio Lower Upper

75 100

77 28.2 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 19.051 ug/l

RT: 7.44 min Scan# 691

Delta R.T. 0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

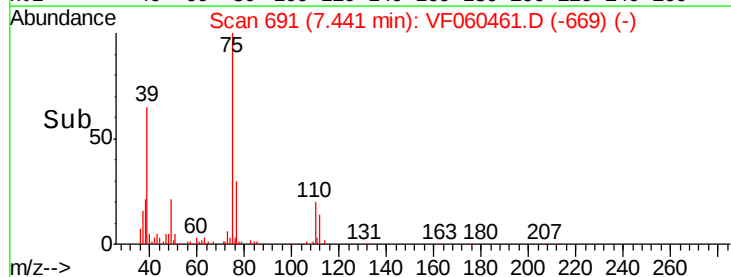
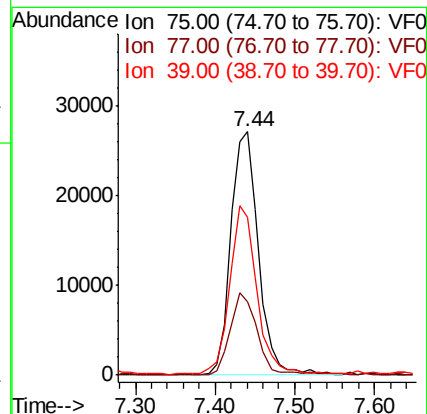
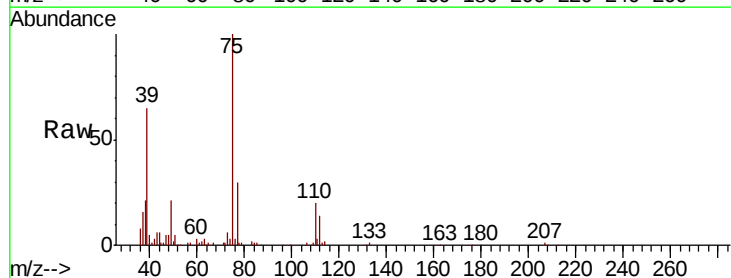
Tgt Ion: 75 Resp: 66342

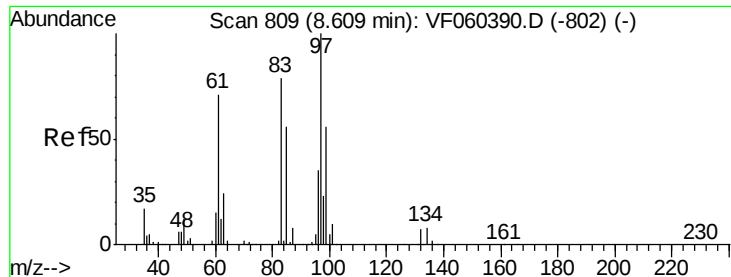
Ion Ratio Lower Upper

75 100

77 30.0 25.2 37.8

39 65.1 49.7 74.5





#55

1,1,2-Trichloroethane

Concen: 15.667 ug/l

RT: 8.62 min Scan# 811

Delta R.T. 0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF1005SBS01

Tot Ion: 97 Resp: 24183

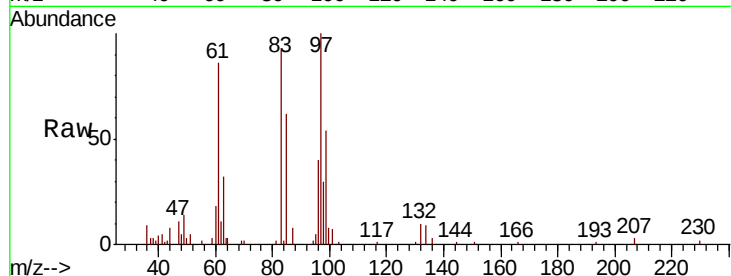
Ion Ratio Lower Upper

97 100

83 92.3 63.4 95.0

85 62.2 44.5 66.7

99 54.1 45.1 67.7

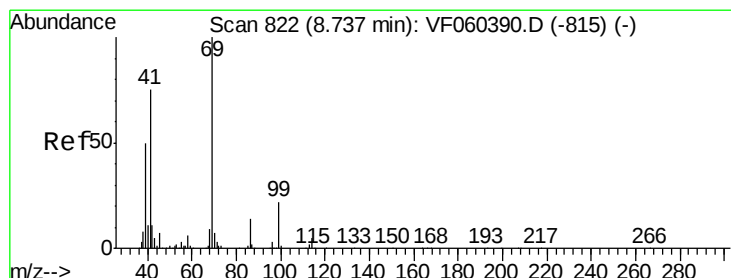
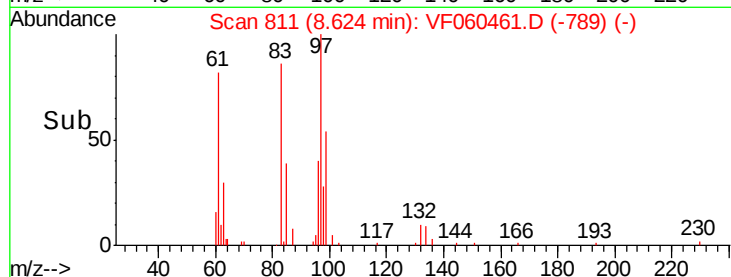
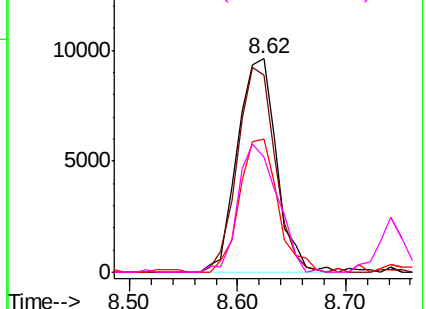


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 14.105 ug/l

RT: 8.74 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

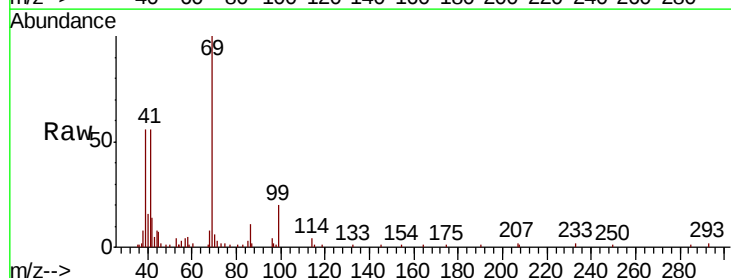
Tgt Ion: 69 Resp: 24740

Ion Ratio Lower Upper

69 100

41 56.2 60.2 90.4#

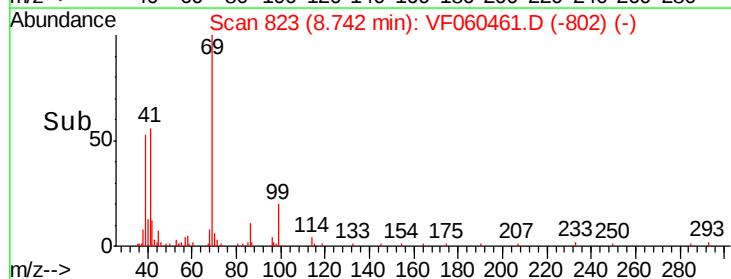
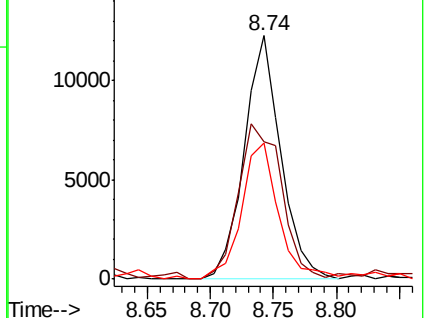
39 56.0 40.2 60.2

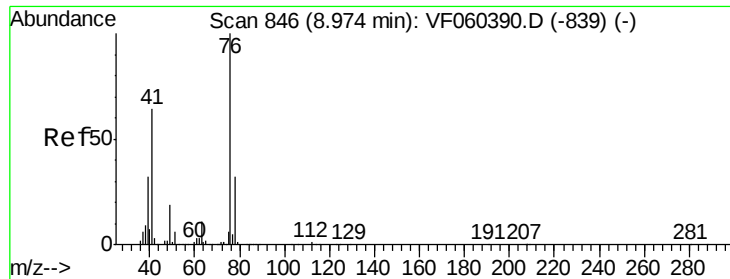


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 17.573 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

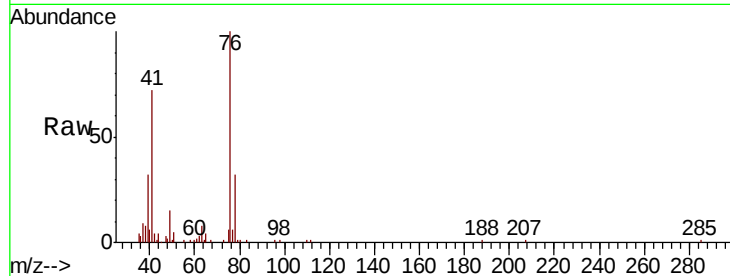
VF1005SBS01

Tot Ion: 76 Resp: 45888

Ion Ratio Lower Upper

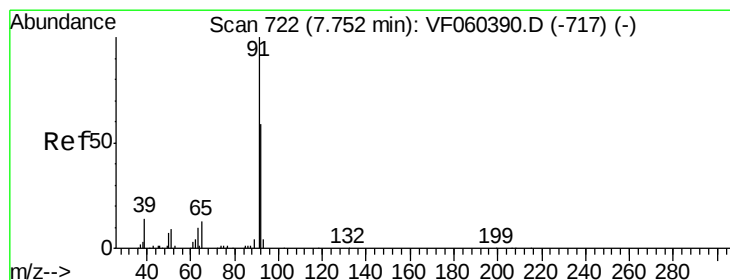
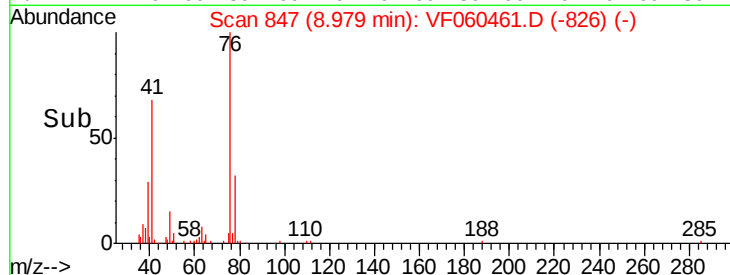
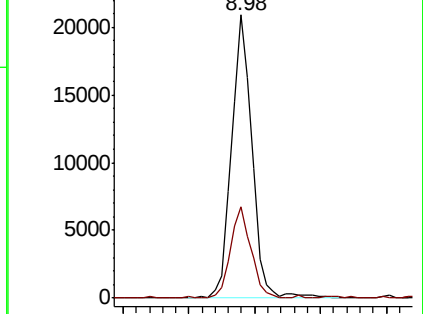
76 100

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



#58

2-Chloroethyl Vinyl ether

Concen: 105.602 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.00 min

Lab File: VF060461.D

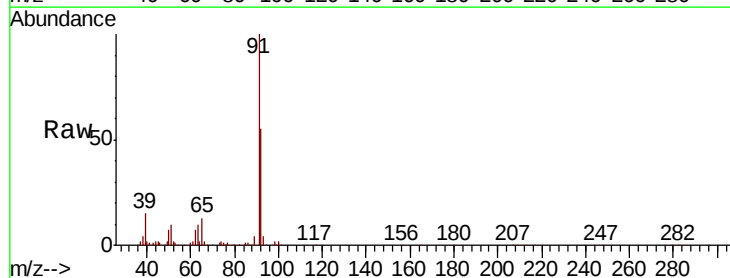
Acq: 5 Oct 2018 17:45

Tgt Ion: 63 Resp: 18920

Ion Ratio Lower Upper

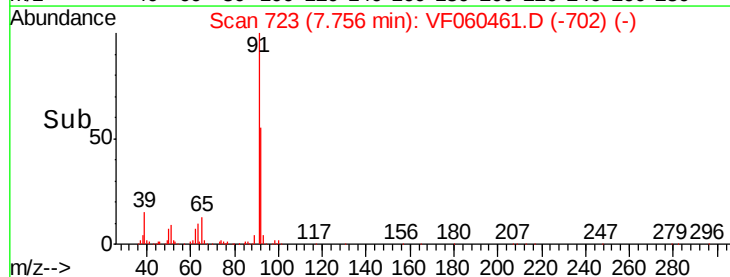
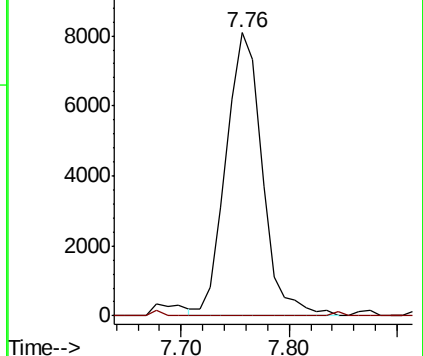
63 100

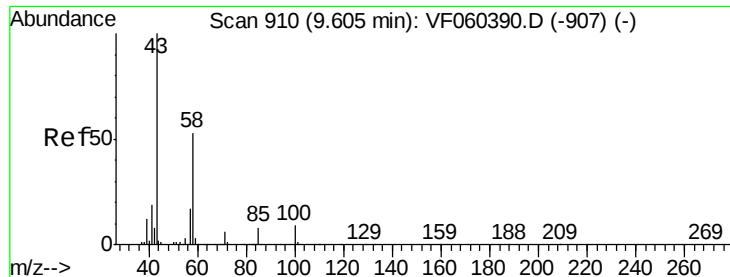
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

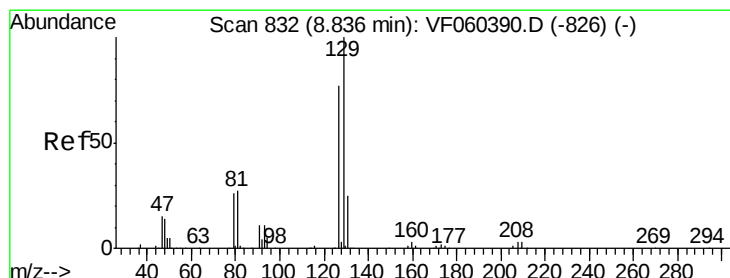
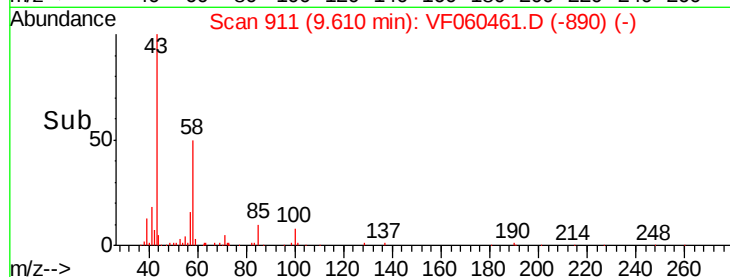
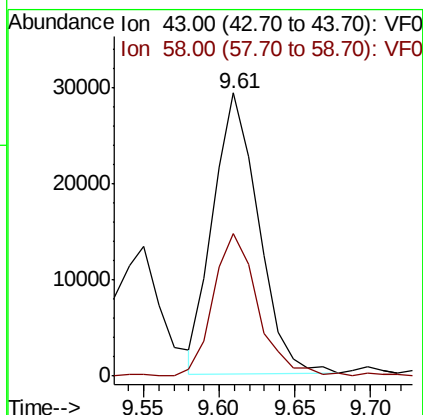
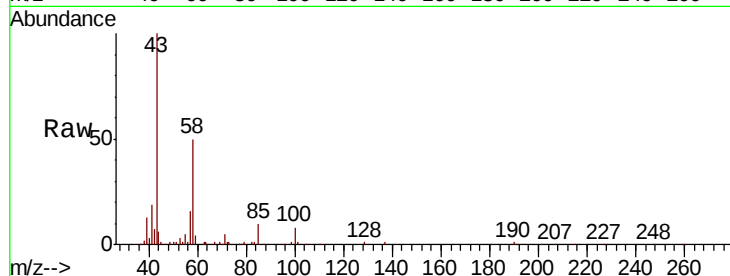




#59
2-Hexanone
Concen: 69.615 ug/l
RT: 9.61 min Scan# 911
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

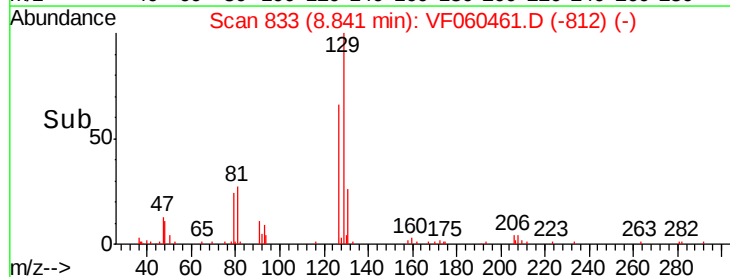
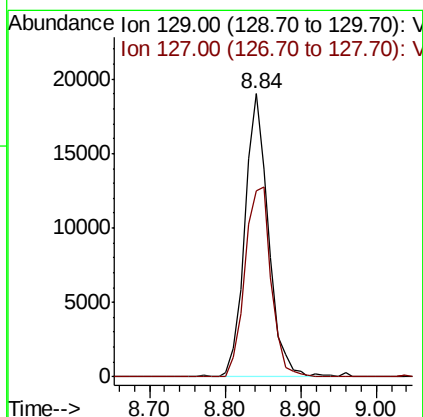
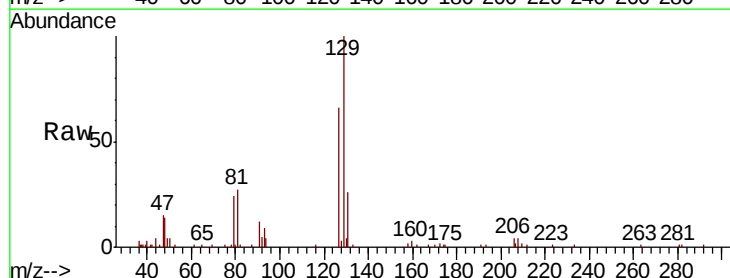
Instrument :
MSVOA_F
ClientSampleId :
VF1005SBS01

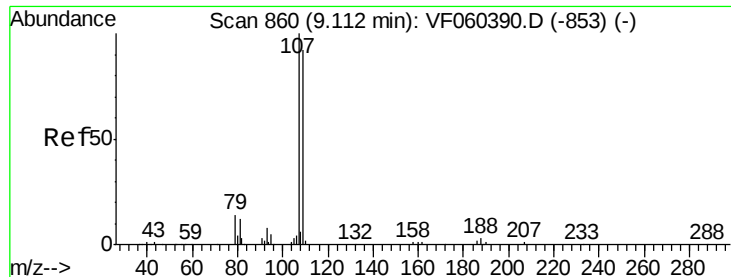
Tot Ion: 43 Resp: 60749
Ion Ratio Lower Upper
43 100
58 50.4 25.6 76.6



#60
Dibromochloromethane
Concen: 17.657 ug/l
RT: 8.84 min Scan# 833
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Tgt Ion: 129 Resp: 41037
Ion Ratio Lower Upper
129 100
127 65.6 38.3 114.8





#61

1,2-Dibromoethane

Concen: 17.728 ug/l

RT: 9.12 min Scan# 861

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

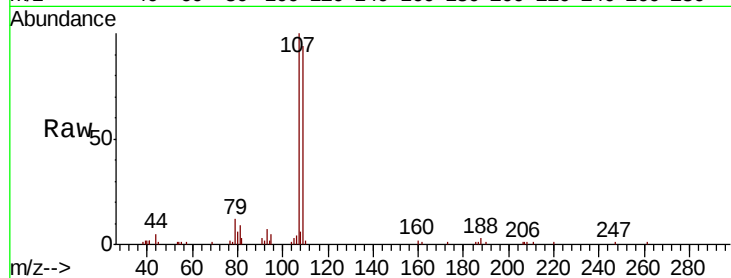
VF1005SBS01

Tot Ion:107 Resp: 29943

Ion Ratio Lower Upper

107 100

109 94.3 73.7 110.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.12

15000

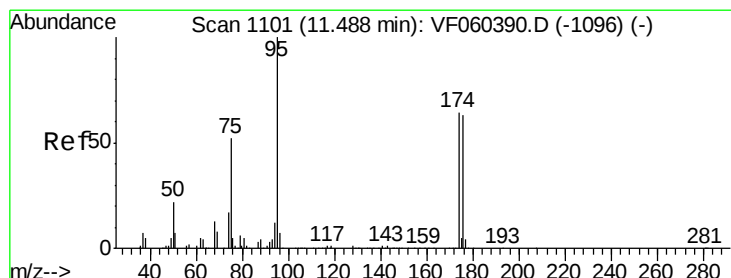
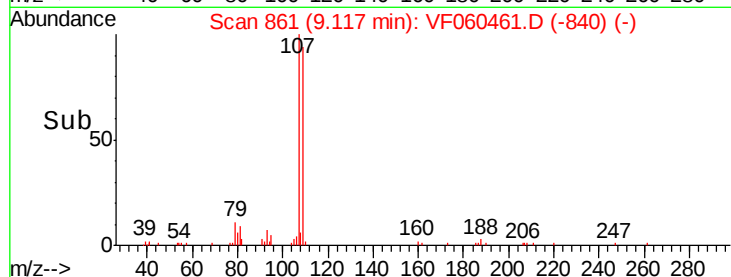
10000

5000

0

Time-->

9.00 9.10 9.20



#62

4-Bromofluorobenzene

Concen: 48.037 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

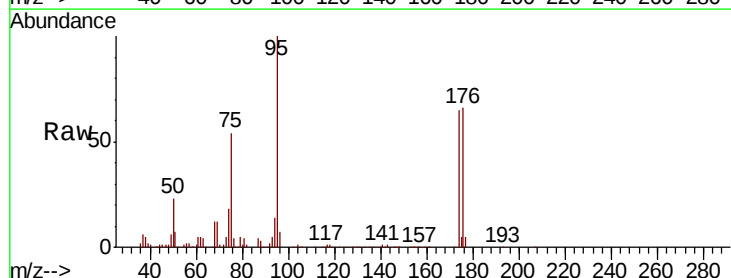
Tgt Ion: 95 Resp: 148648

Ion Ratio Lower Upper

95 100

174 64.7 0.0 129.0

176 66.1 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

120000

100000

80000

60000

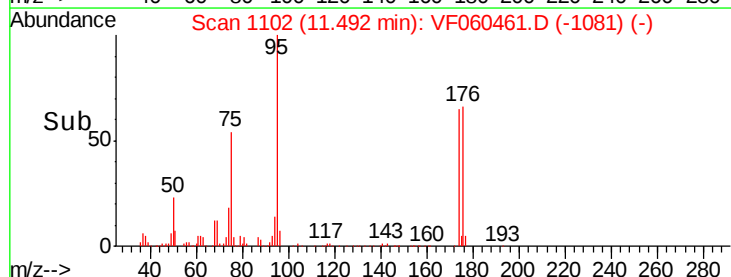
40000

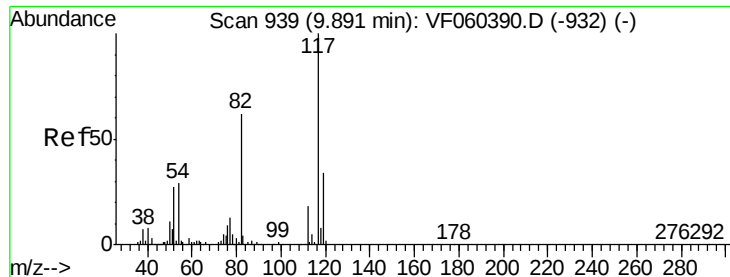
20000

0

Time-->

11.40 11.60

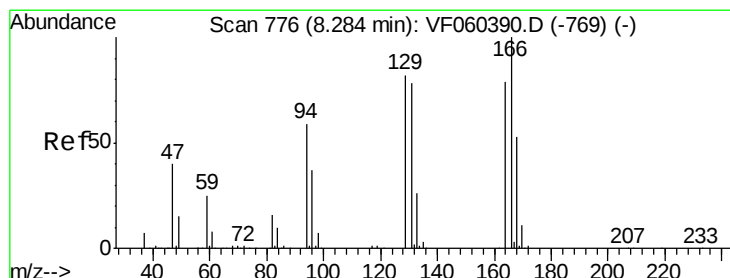
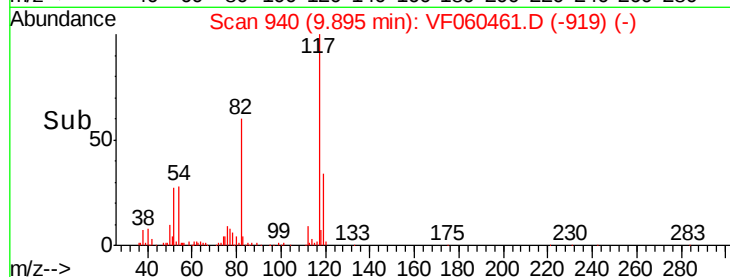
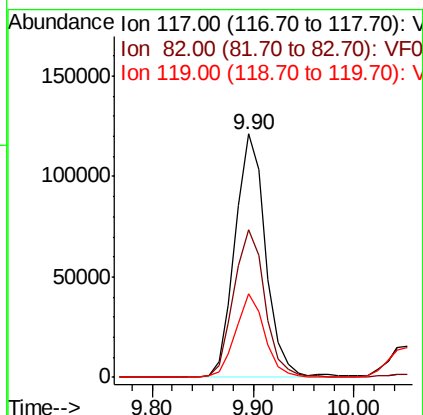
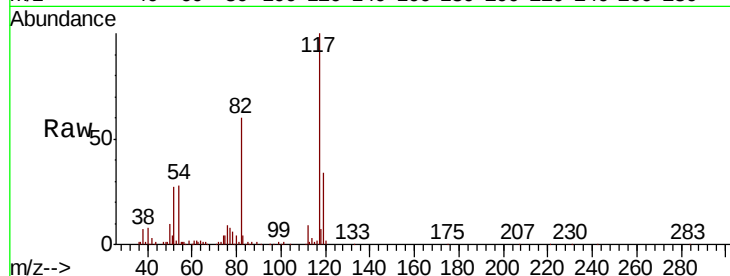




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

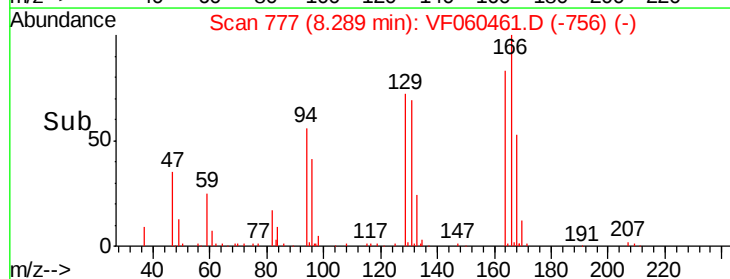
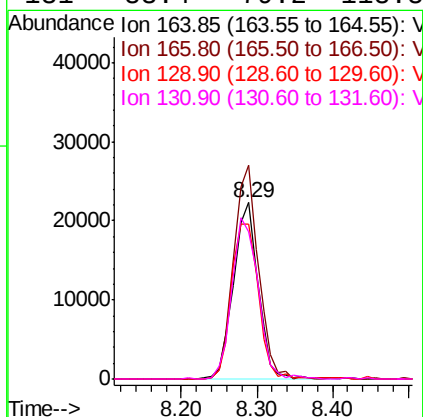
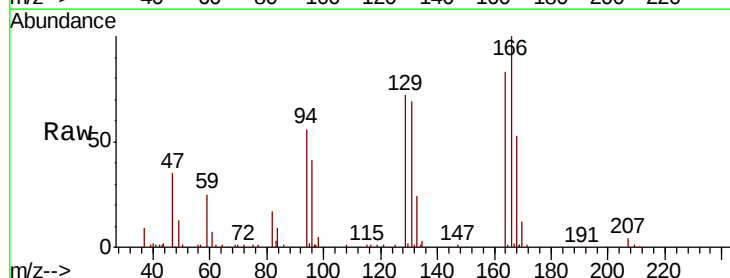
Instrument :
MSVOA_F
ClientSampleId :
VF1005SBS01

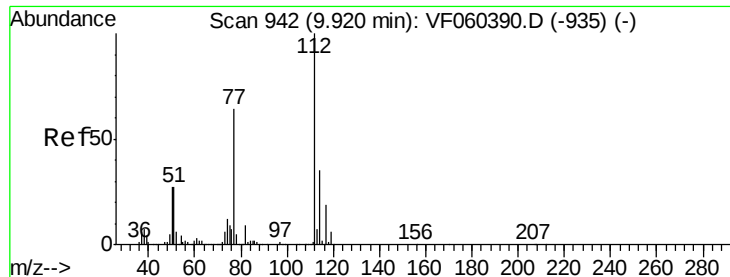
Tot Ion:117 Resp: 256254
Ion Ratio Lower Upper
117 100
82 60.4 49.5 74.3
119 34.3 27.0 40.6



#64
Tetrachloroethene
Concen: 24.845 ug/l
RT: 8.29 min Scan# 777
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Tgt Ion:164 Resp: 50610
Ion Ratio Lower Upper
164 100
166 121.0 101.0 151.6
129 87.6 82.5 123.7
131 83.4 79.2 118.8





#65

Chlorobenzene

Concen: 21.758 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

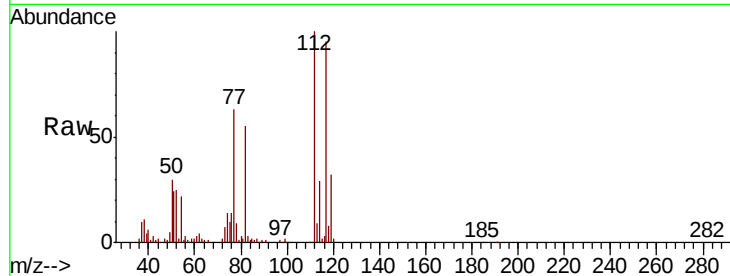
VF1005SBS01

Tot Ion:112 Resp: 114531

Ion Ratio Lower Upper

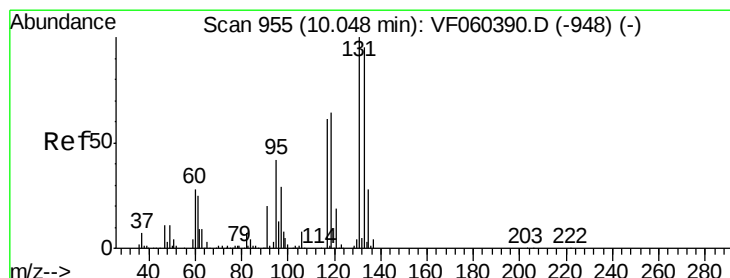
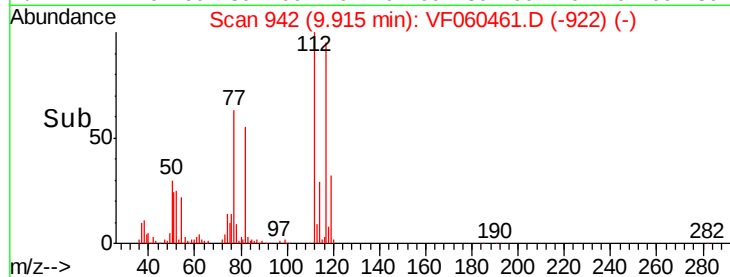
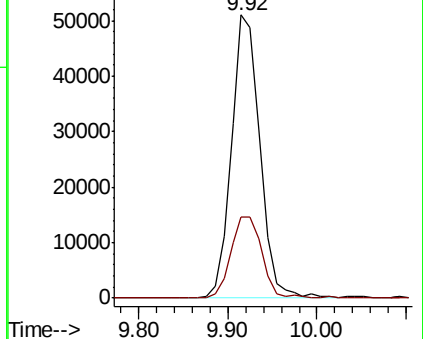
112 100

114 28.8 27.7 41.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.989 ug/l

RT: 10.05 min Scan# 956

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

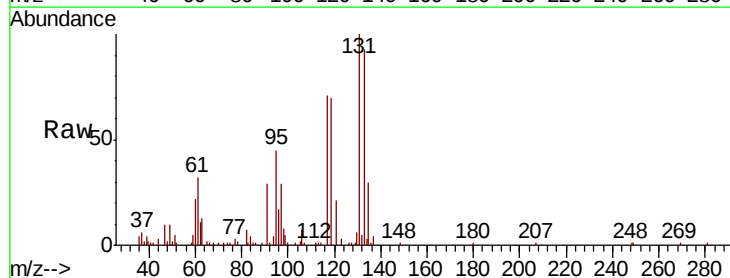
Tgt Ion:131 Resp: 50541

Ion Ratio Lower Upper

131 100

133 92.8 47.3 141.8

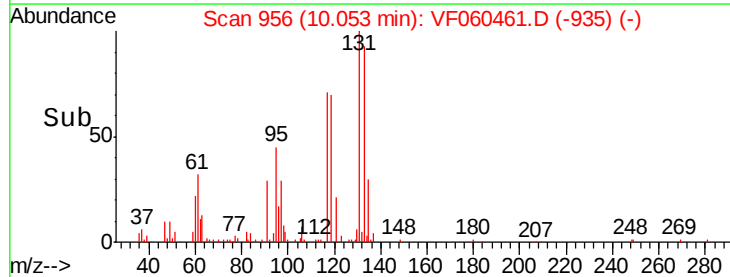
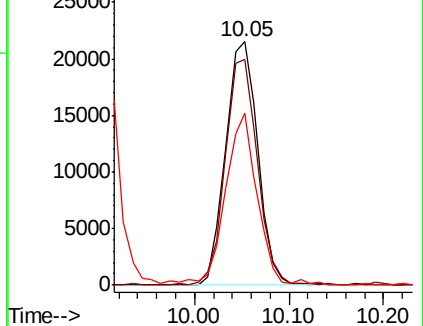
119 70.4 32.3 96.9

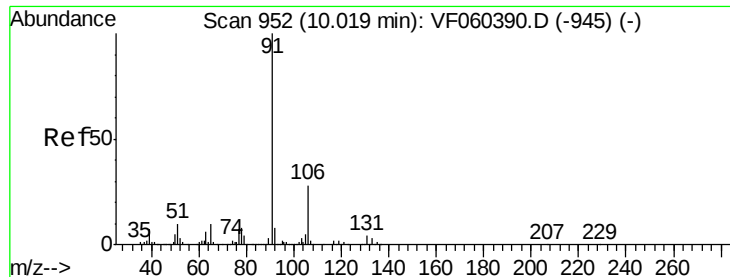


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 23.601 ug/l

RT: 10.01 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

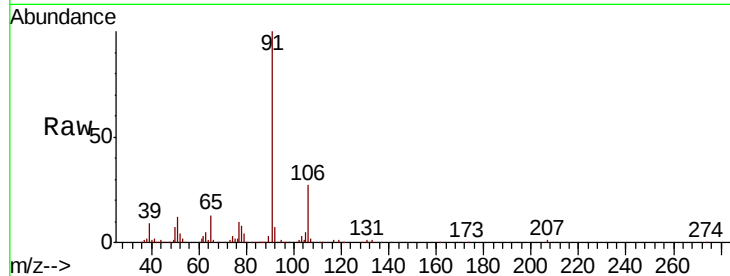
VF1005SBS01

Tot Ion: 91 Resp: 236217

Ion Ratio Lower Upper

91 100

106 26.5 22.5 33.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

200000

150000

100000

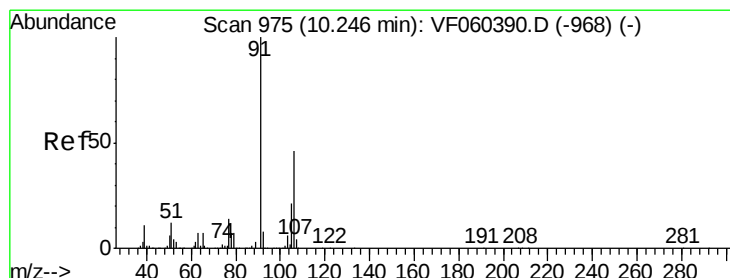
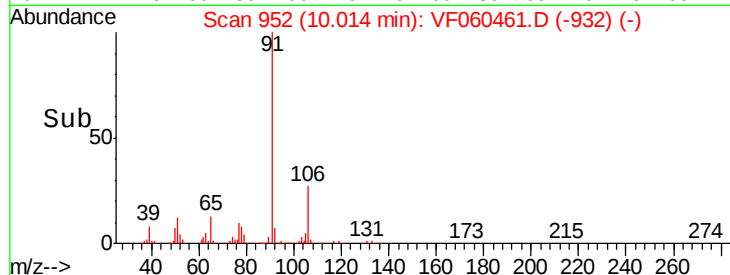
50000

0

10.01

10.20

Time-->



#68

m/p-Xylenes

Concen: 47.362 ug/l

RT: 10.25 min Scan# 976

Delta R.T. 0.00 min

Lab File: VF060461.D

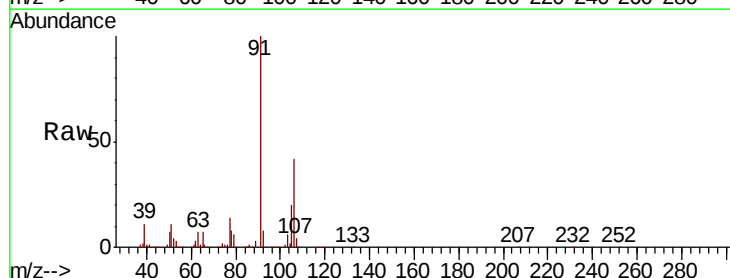
Acq: 5 Oct 2018 17:45

Tgt Ion:106 Resp: 162957

Ion Ratio Lower Upper

106 100

91 236.1 175.0 262.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

100000

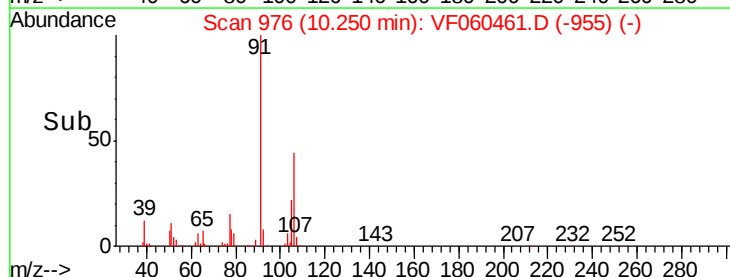
50000

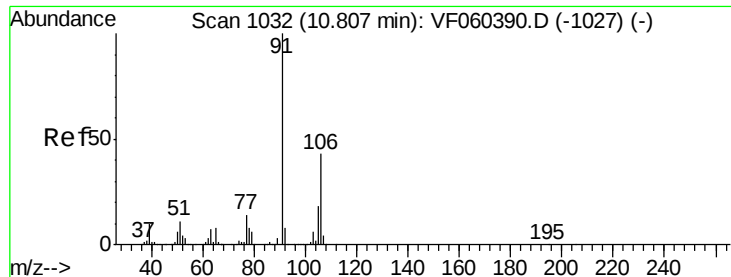
0

10.25

10.40

Time-->

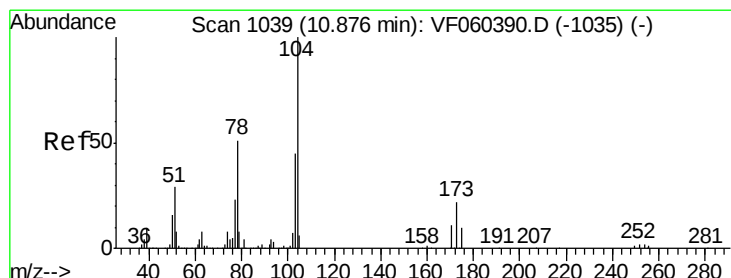
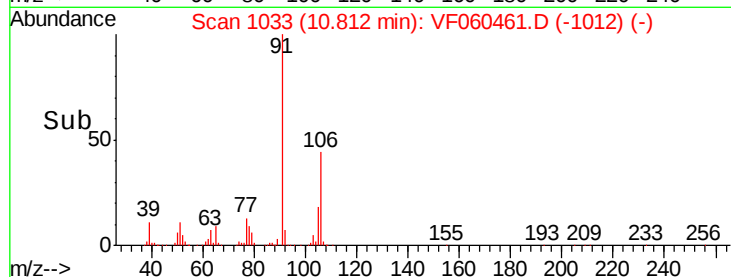
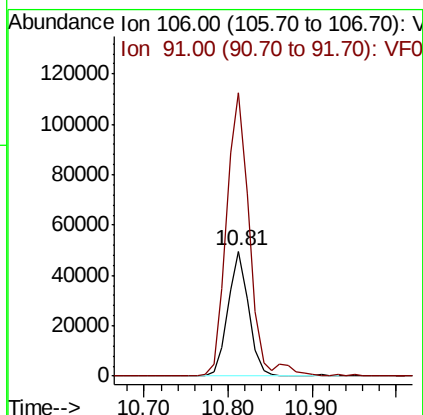
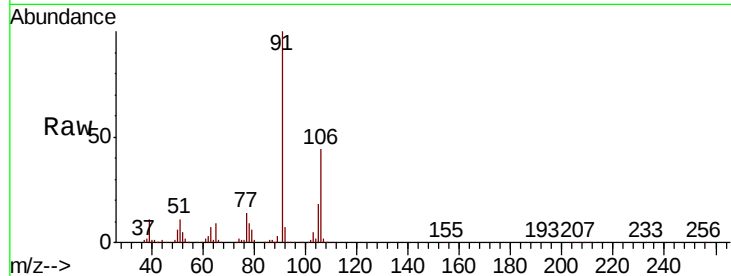




#69
o-Xylene
Concen: 22.539 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

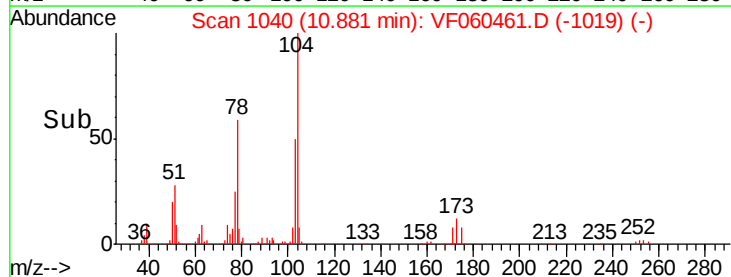
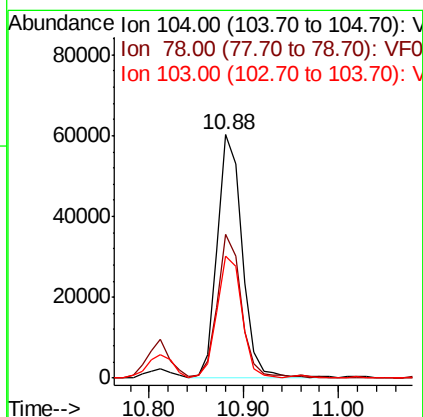
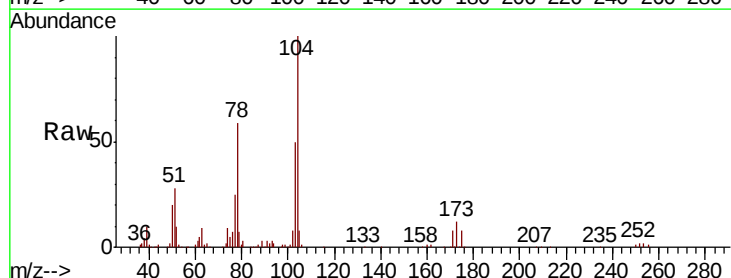
Instrument :
MSVOA_F
ClientSampleId :
VF1005SBS01

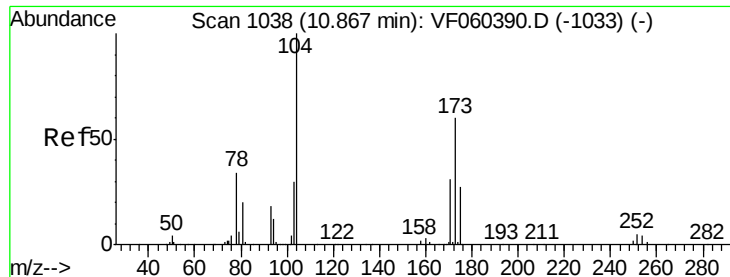
Tot Ion:106 Resp: 84531
Ion Ratio Lower Upper
106 100
91 226.5 115.1 345.2



#70
Styrene
Concen: 20.715 ug/l
RT: 10.88 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Tgt Ion:104 Resp: 110505
Ion Ratio Lower Upper
104 100
78 59.0 41.0 61.4
103 50.3 36.4 54.6





#71

Bromoform

Concen: 15.374 ug/l

RT: 10.87 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF1005SBS01

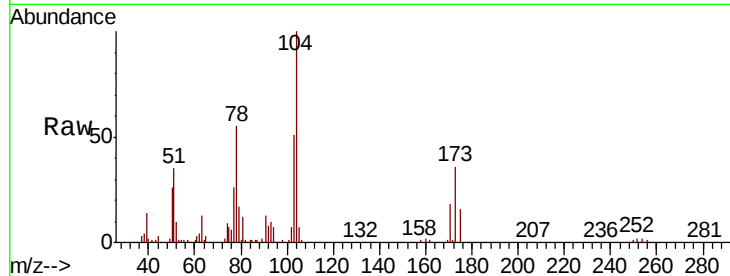
Tot Ion:173 Resp: 18813

Ion Ratio Lower Upper

173 100

175 44.0 22.1 66.1

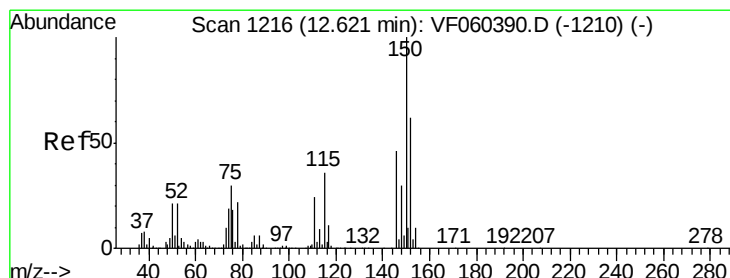
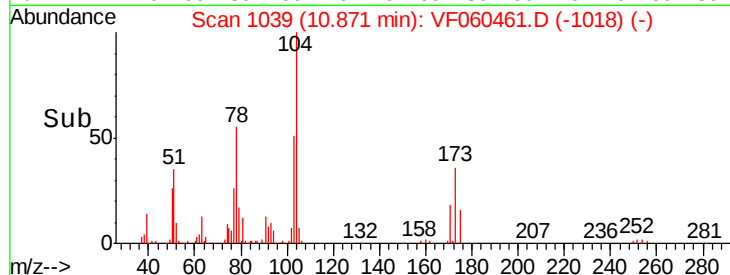
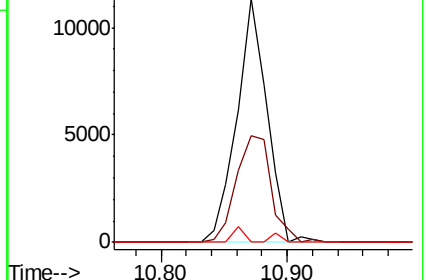
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

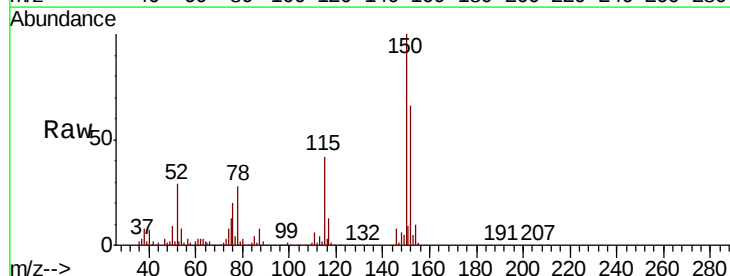
Tgt Ion:152 Resp: 144579

Ion Ratio Lower Upper

152 100

115 64.1 28.6 85.8

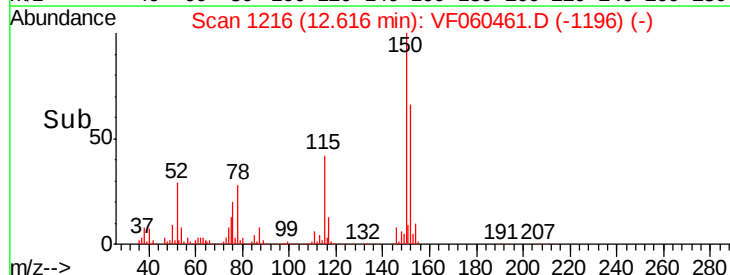
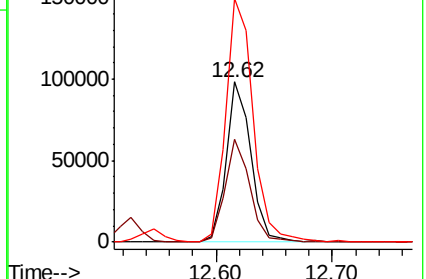
150 152.2 0.0 324.6

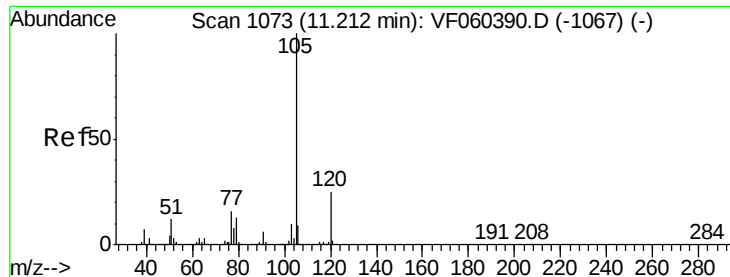


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 25.328 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

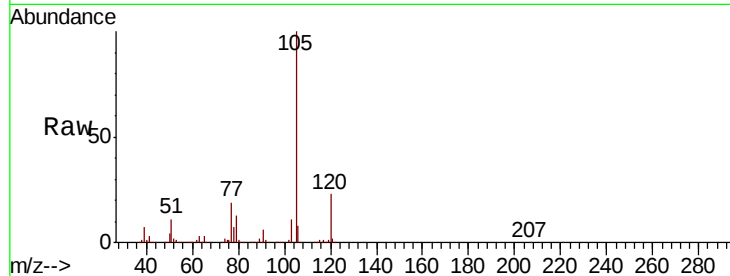
VF1005SBS01

Tot Ion:105 Resp: 288327

Ion Ratio Lower Upper

105 100

120 22.9 12.3 36.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

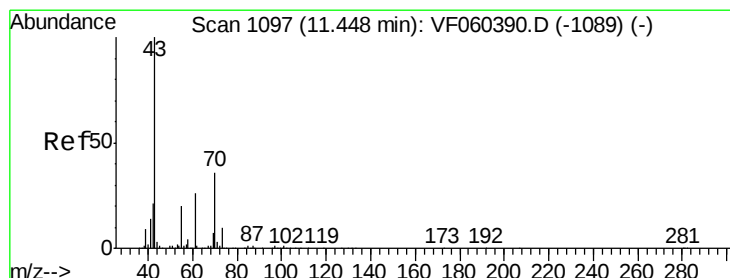
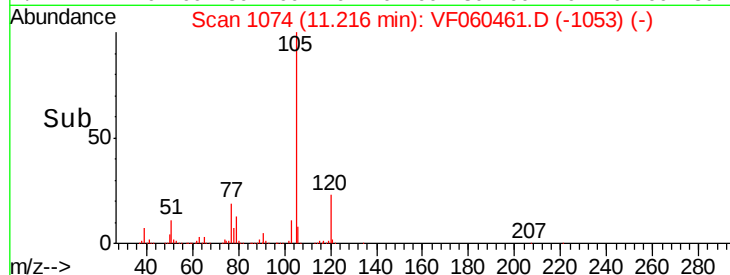
150000

100000

50000

0

Time--> 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 11.945 ug/l

RT: 11.45 min Scan# 1098

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Tgt Ion: 43 Resp: 31208

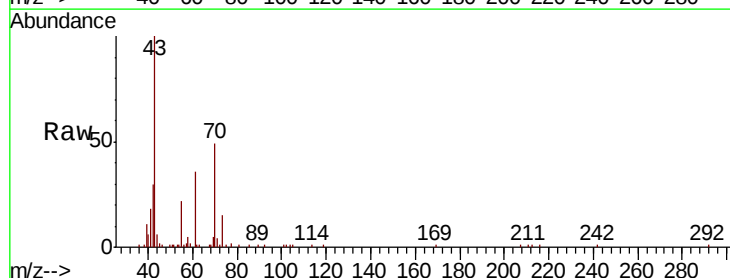
Ion Ratio Lower Upper

43 100

70 48.6 29.1 43.7#

55 21.8 16.3 24.5

61 36.3 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

25000

20000

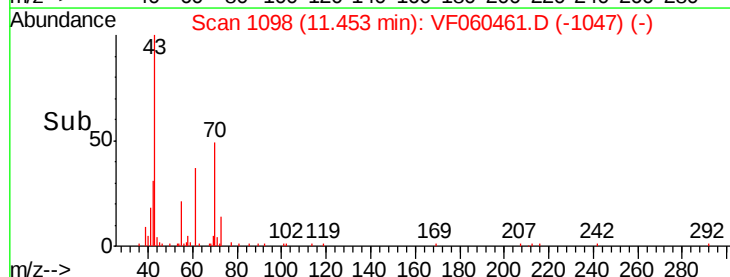
15000

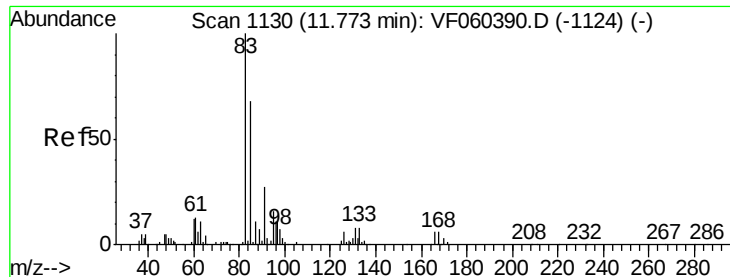
10000

5000

0

Time--> 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 17.541 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF1005SBS01

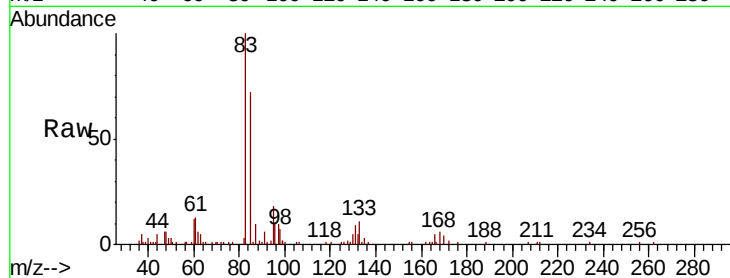
Tot Ion: 83 Resp: 36405

Ion Ratio Lower Upper

83 100

131 9.4 4.0 12.0

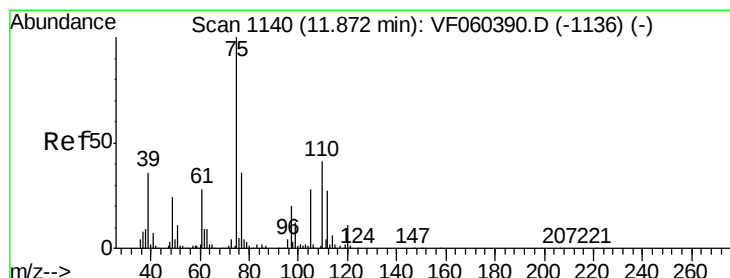
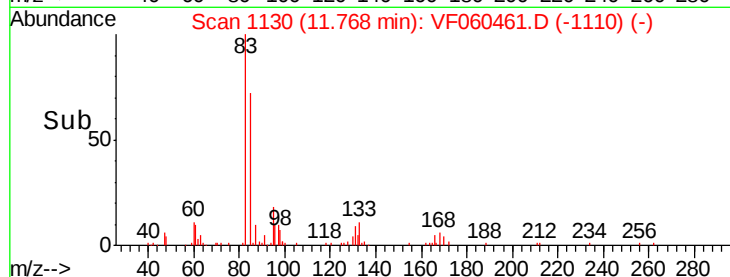
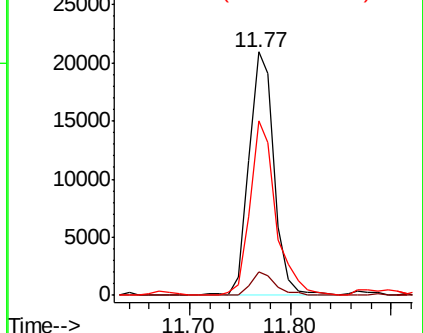
85 71.8 34.0 102.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 17.738 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF060461.D

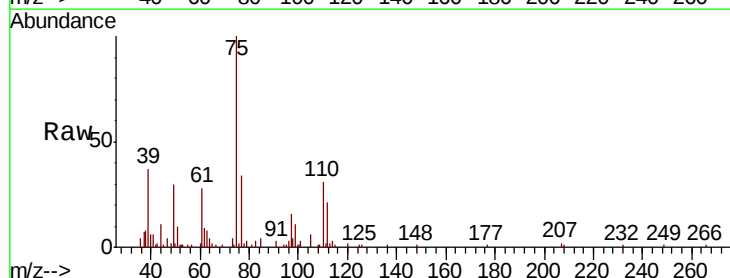
Acq: 5 Oct 2018 17:45

Tgt Ion: 75 Resp: 27103

Ion Ratio Lower Upper

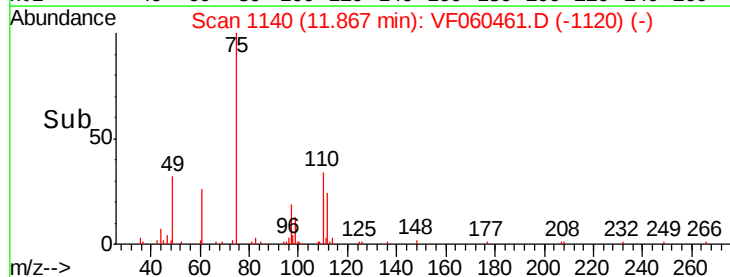
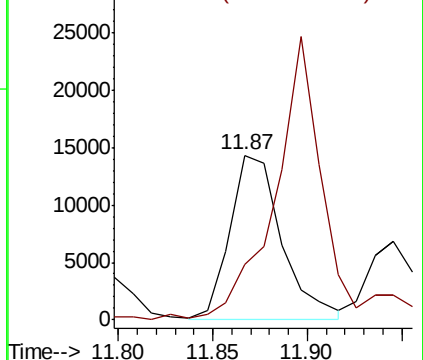
75 100

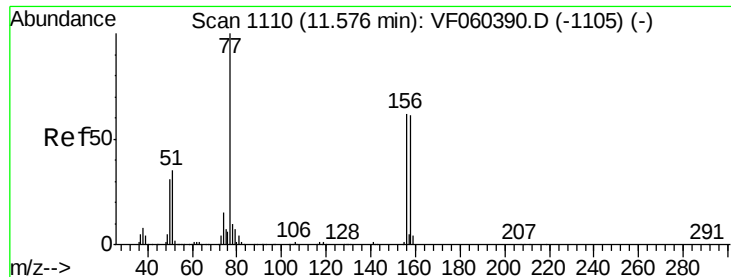
77 33.8 18.1 54.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.913 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF1005SBS01

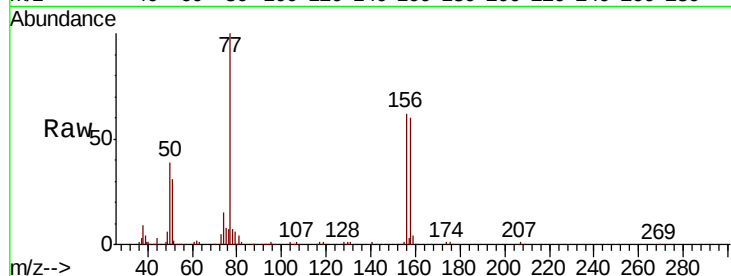
Tot Ion:156 Resp: 53217

Ion Ratio Lower Upper

156 100

77 161.3 81.3 243.9

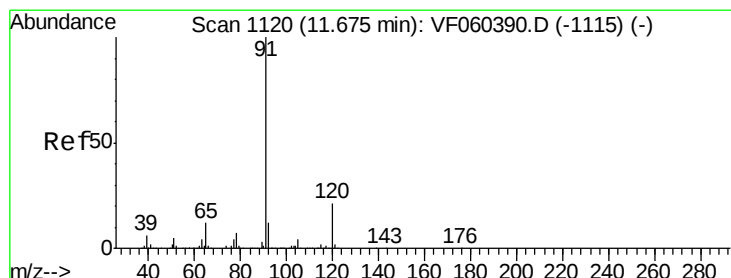
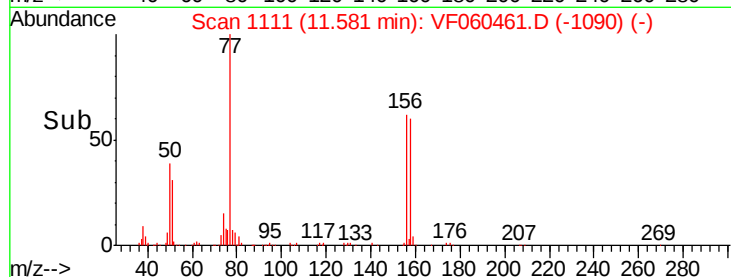
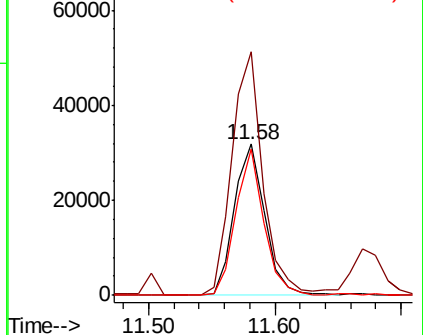
158 97.3 49.6 149.0



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: 25.266 ug/l

RT: 11.67 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF060461.D

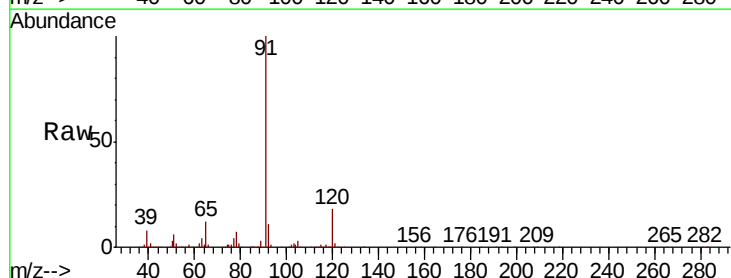
Acq: 5 Oct 2018 17:45

Tgt Ion: 91 Resp: 348684

Ion Ratio Lower Upper

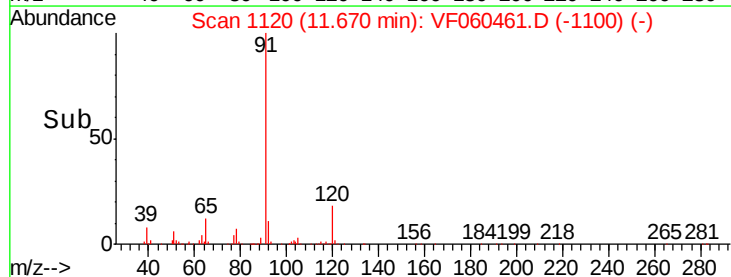
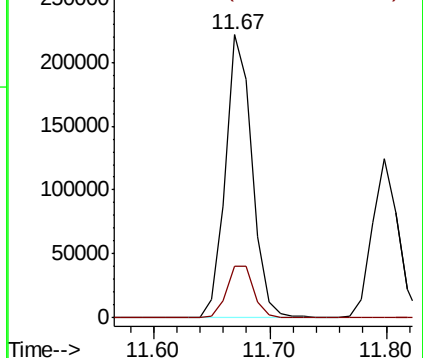
91 100

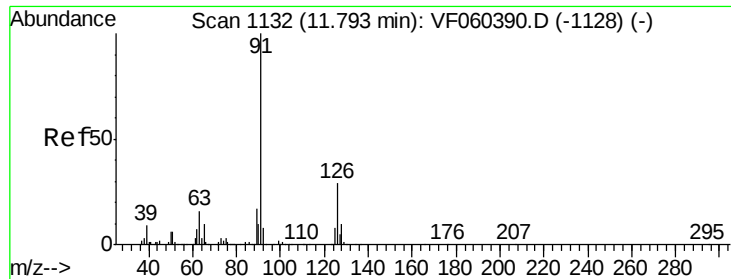
120 18.4 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

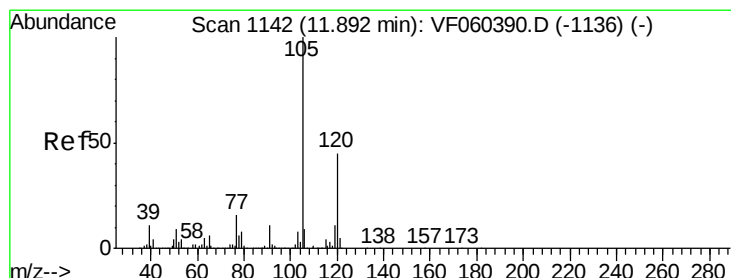
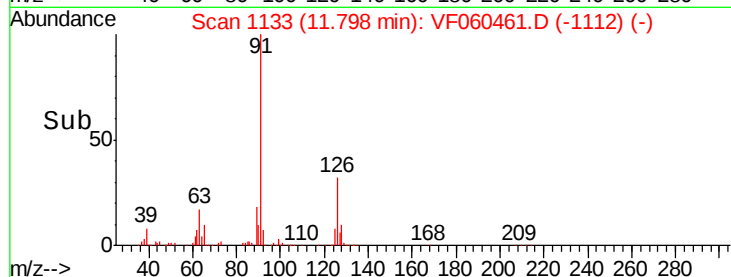
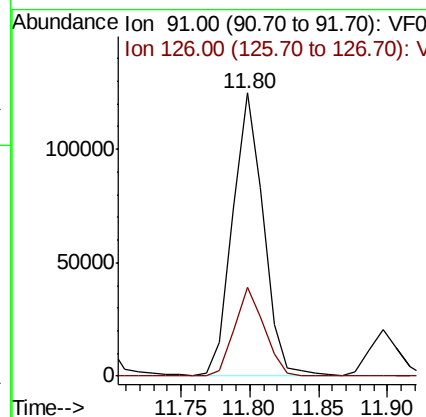
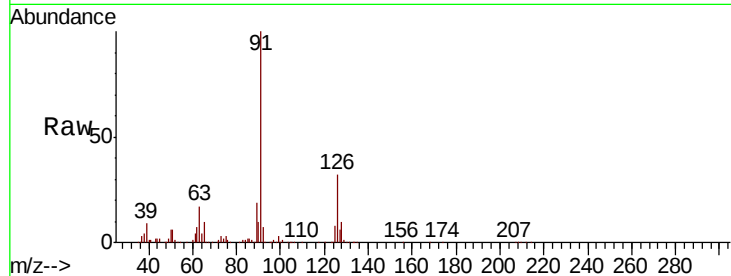




#79
 2-Chlorotoluene
 Concen: 23.753 ug/l
 RT: 11.80 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

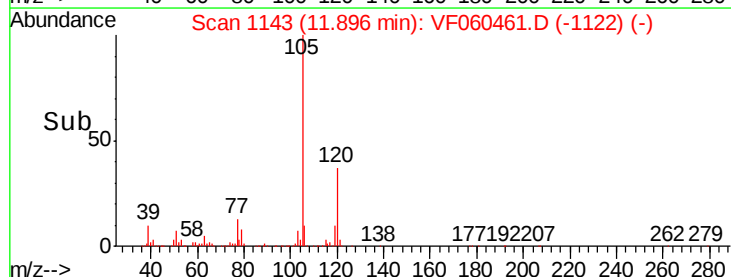
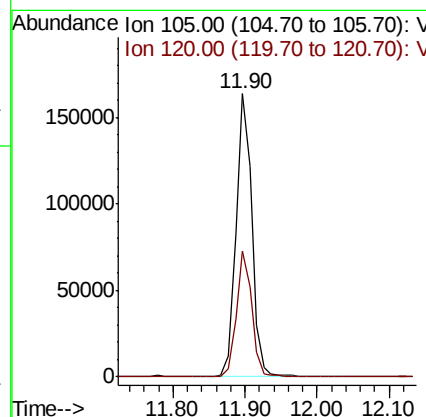
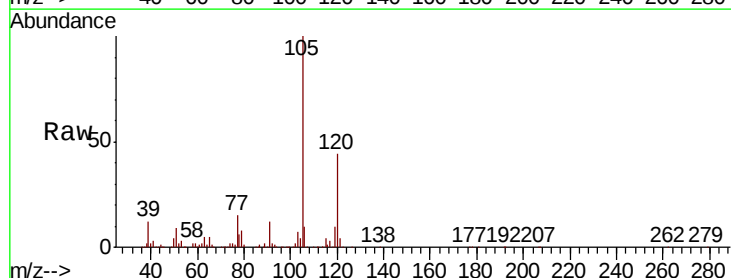
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1005SBS01

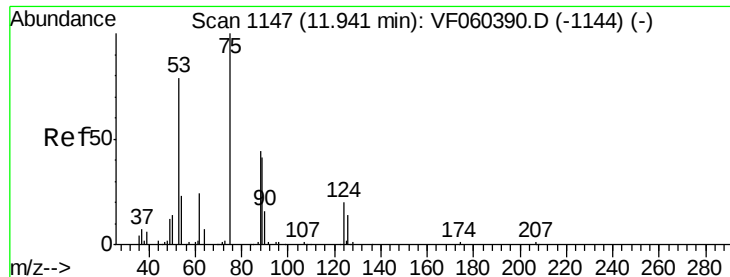
Tot Ion: 91 Resp: 191750
 Ion Ratio Lower Upper
 91 100
 126 31.6 14.4 43.4



#80
 1,3,5-Trimethylbenzene
 Concen: 25.900 ug/l
 RT: 11.90 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Tgt Ion:105 Resp: 250498
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.3 66.9





#81

trans-1,4-Dichloro-2-butene

Concen: 27.945 ug/l

RT: 11.95 min Scan# 1148

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF1005SBS01

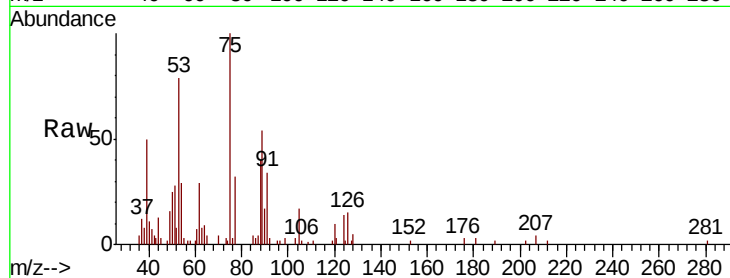
Tot Ion: 75 Resp: 18927

Ion Ratio Lower Upper

75 100

53 78.5 67.8 101.8

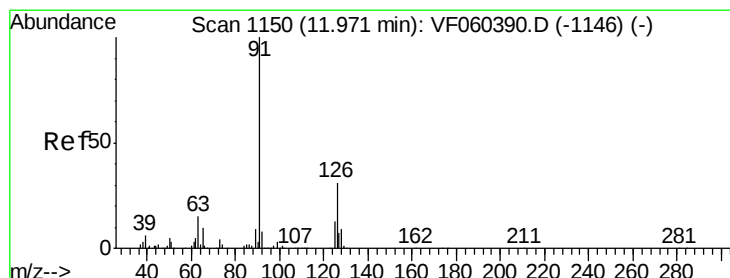
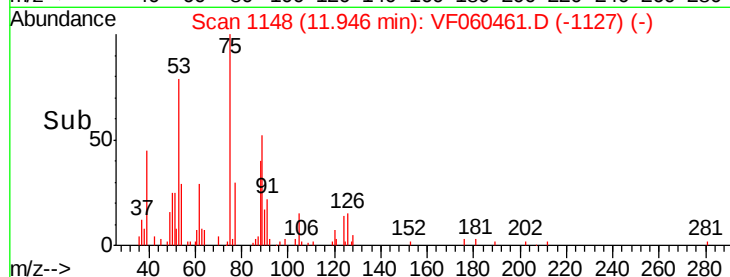
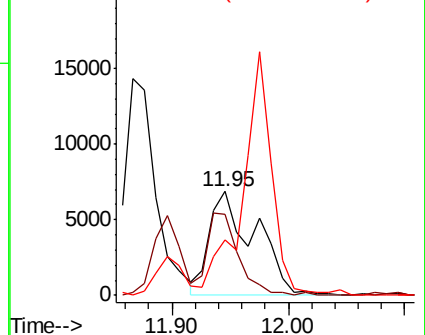
89 54.0 36.7 55.1



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: 22.982 ug/l

RT: 11.98 min Scan# 1151

Delta R.T. 0.00 min

Lab File: VF060461.D

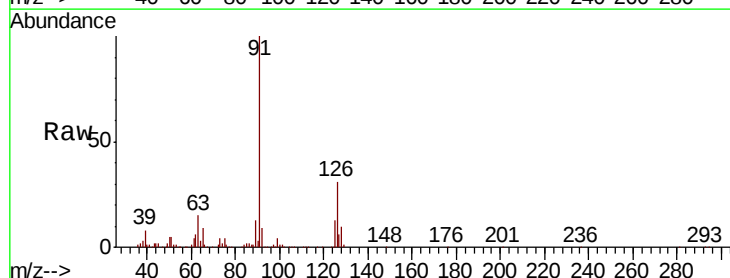
Acq: 5 Oct 2018 17:45

Tgt Ion: 91 Resp: 189831

Ion Ratio Lower Upper

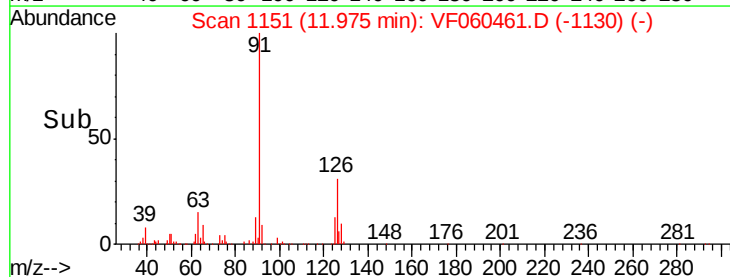
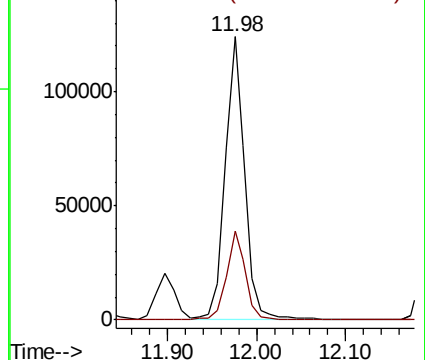
91 100

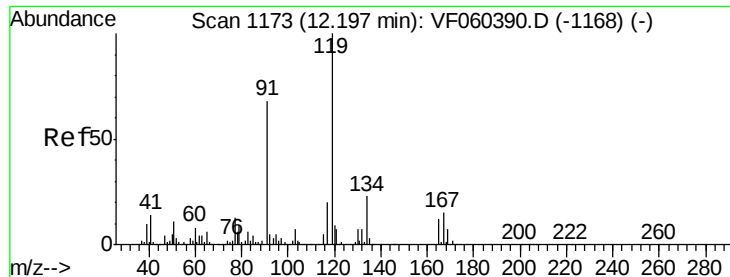
126 31.3 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

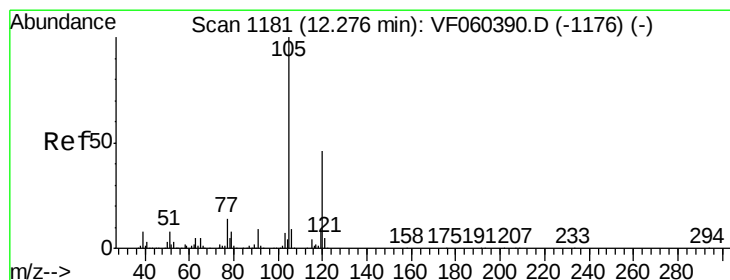
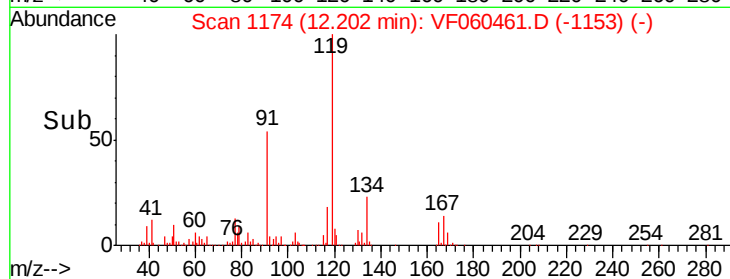
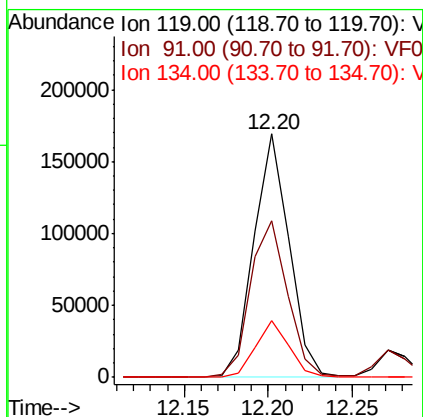
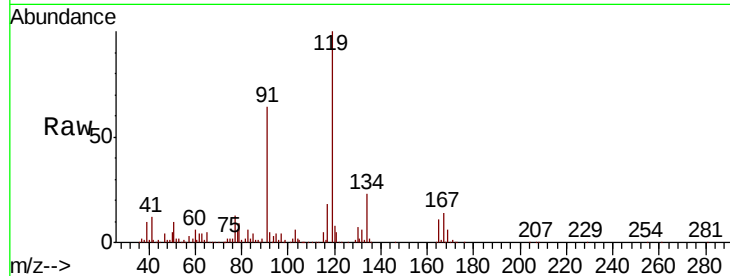




#83
tert-Butylbenzene
Concen: 25.772 ug/l
RT: 12.20 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

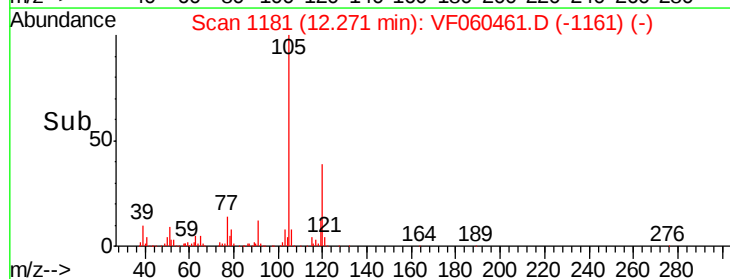
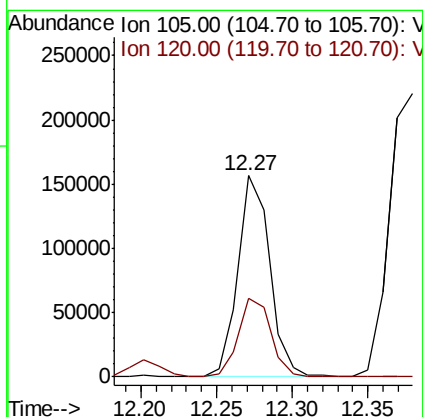
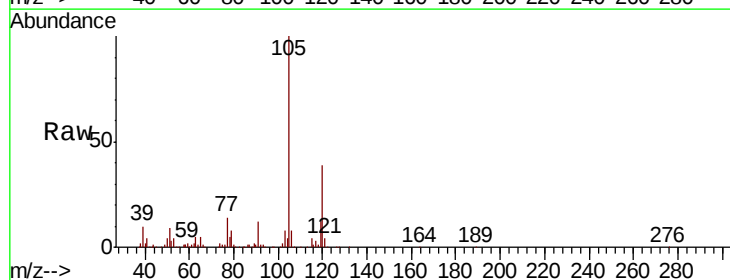
Instrument :
MSVOA_F
ClientSampleId :
VF1005SBS01

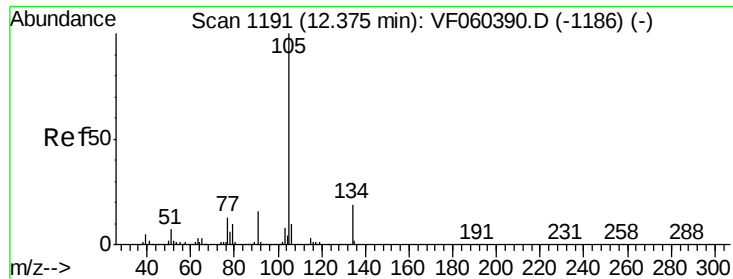
Tot Ion:119 Resp: 245850
Ion Ratio Lower Upper
119 100
91 64.5 34.0 102.0
134 23.3 11.7 35.0



#84
1,2,4-Trimethylbenzene
Concen: 24.058 ug/l
RT: 12.27 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Tgt Ion:105 Resp: 230760
Ion Ratio Lower Upper
105 100
120 39.1 23.1 69.2

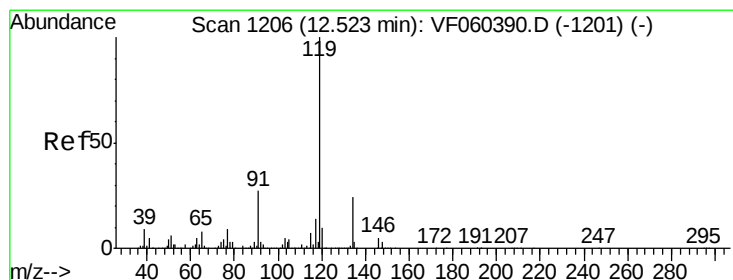
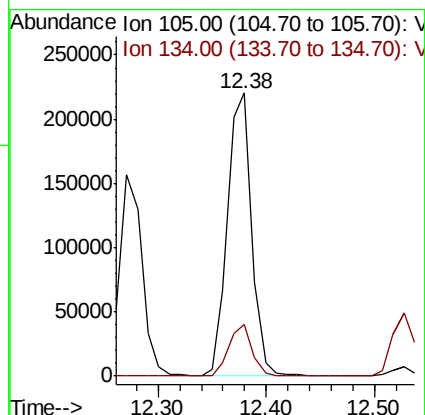
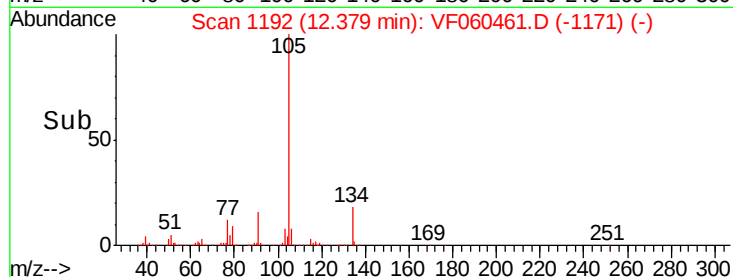
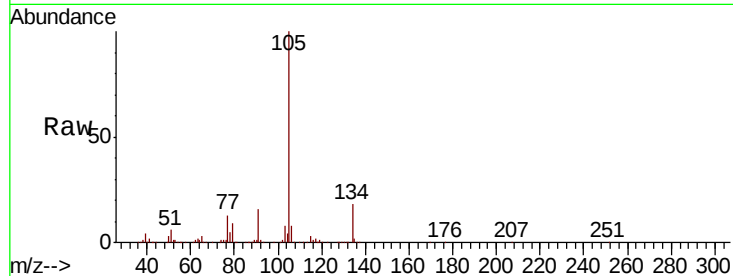




#85
 sec-Butylbenzene
 Concen: 26.193 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

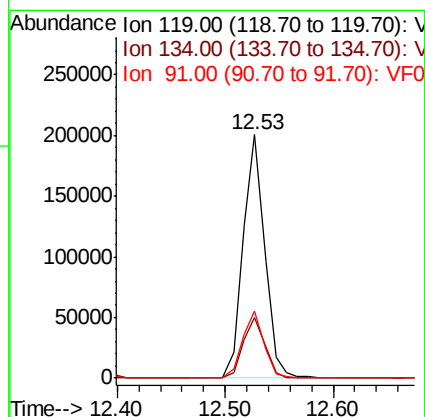
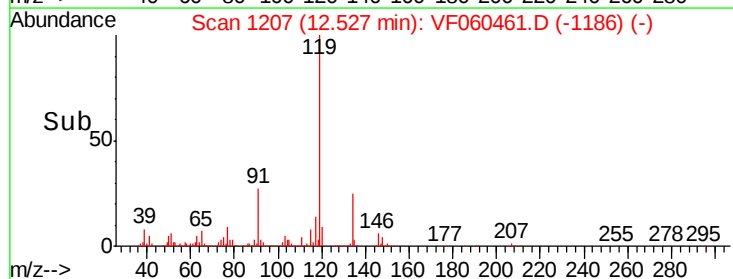
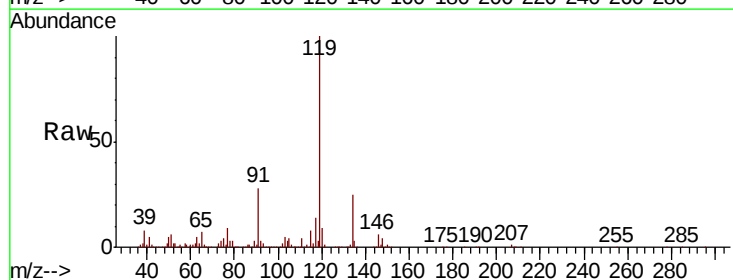
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1005SBS01

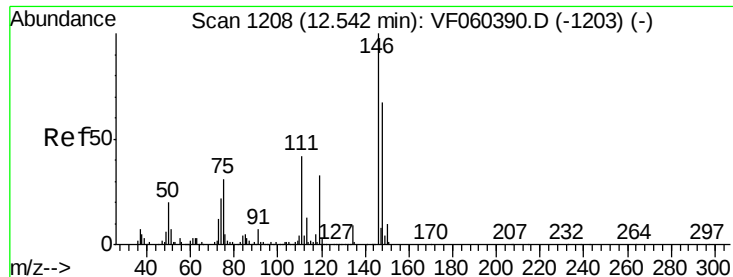
Tot Ion:105 Resp: 344897
 Ion Ratio Lower Upper
 105 100
 134 18.4 9.4 28.3



#86
 p-Isopropyltoluene
 Concen: 25.822 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Tgt Ion:119 Resp: 277782
 Ion Ratio Lower Upper
 119 100
 134 24.6 12.3 36.8
 91 27.6 13.5 40.4

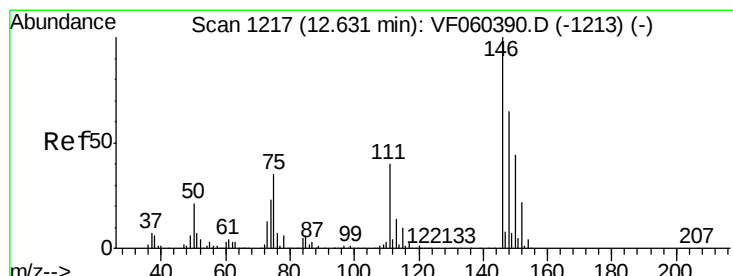
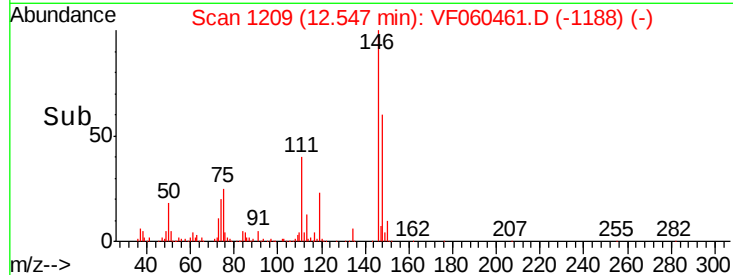
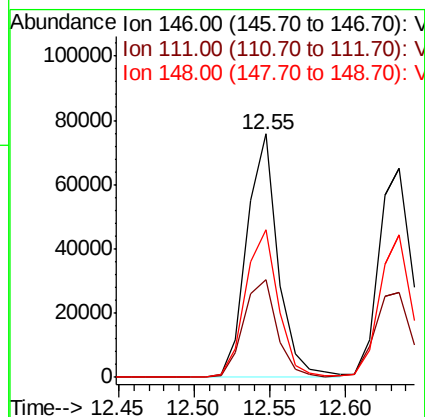
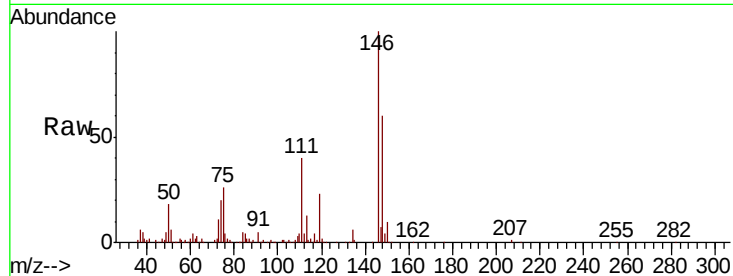




#87
 1,3-Dichlorobenzene
 Concen: 22.776 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

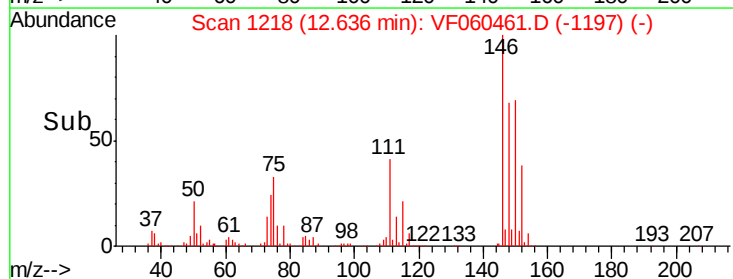
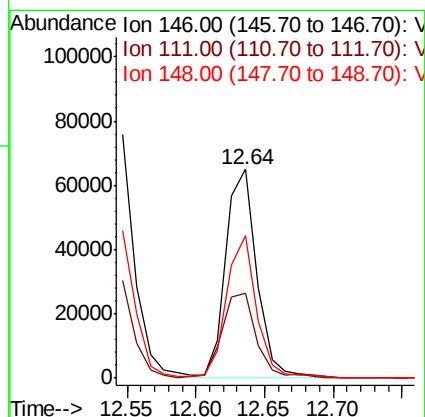
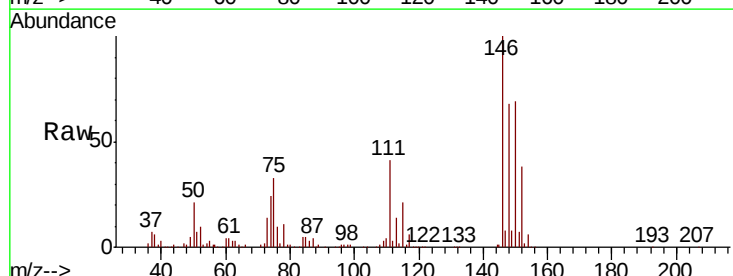
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1005SBS01

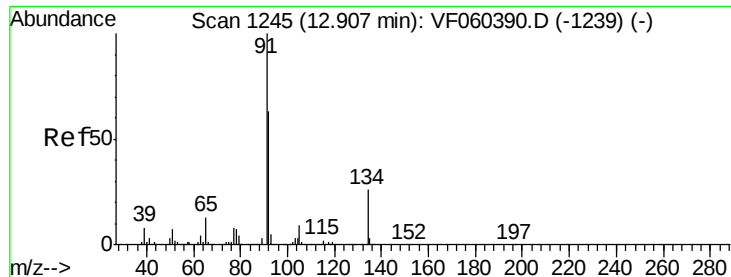
Tot Ion:146 Resp: 109063
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.9 62.7
 148 60.4 33.6 100.8



#88
 1,4-Dichlorobenzene
 Concen: 21.590 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Tgt Ion:146 Resp: 101940
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.2 60.6
 148 68.5 32.6 97.8





#89

n-Butylbenzene

Concen: 26.613 ug/l

RT: 12.90 min Scan# 1245

Delta R.T. -0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF1005SBS01

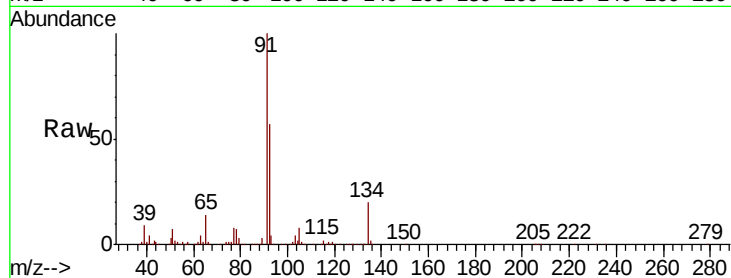
Tot Ion: 91 Resp: 302947

Ion Ratio Lower Upper

91 100

92 56.7 31.3 93.9

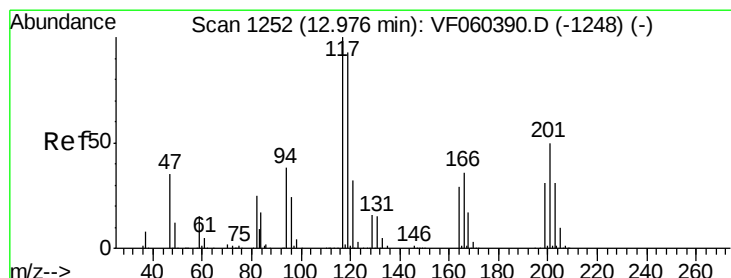
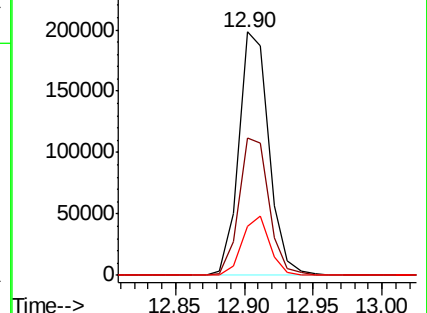
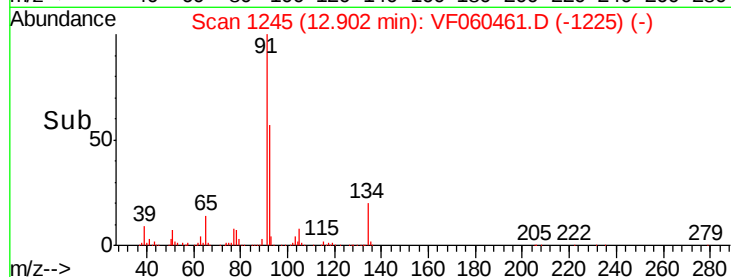
134 20.4 13.0 38.9



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: 23.725 ug/l

RT: 12.98 min Scan# 1253

Delta R.T. 0.00 min

Lab File: VF060461.D

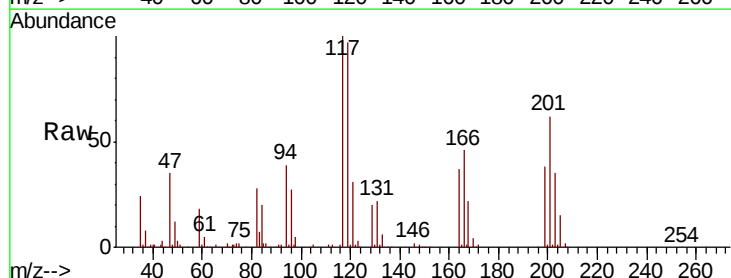
Acq: 5 Oct 2018 17:45

Tgt Ion: 117 Resp: 65965

Ion Ratio Lower Upper

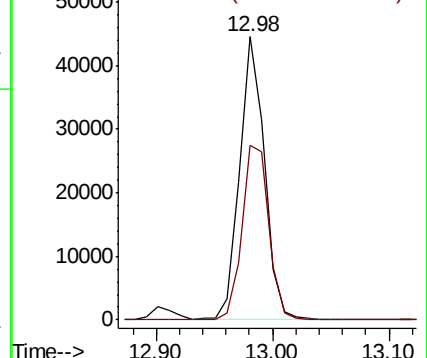
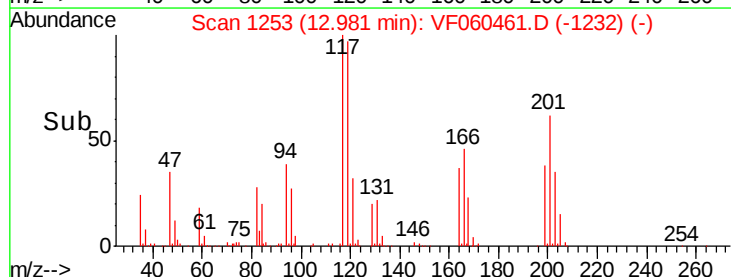
117 100

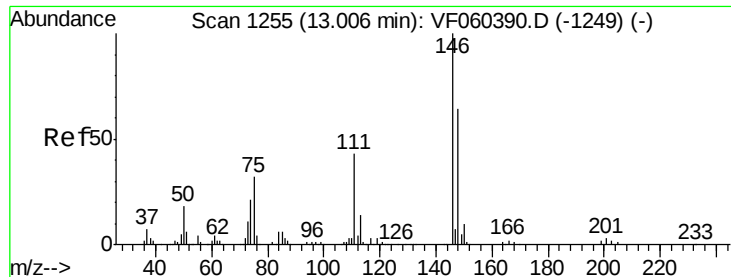
201 61.6 25.5 76.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

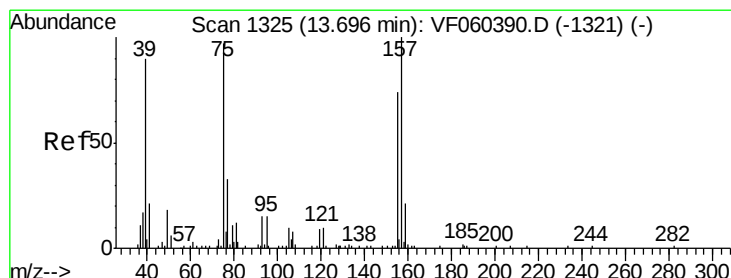
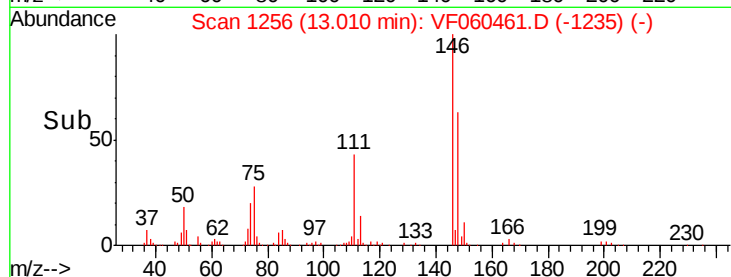
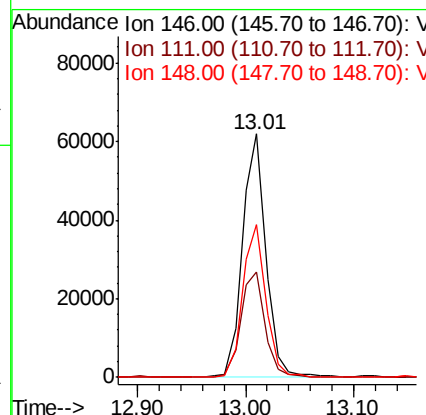
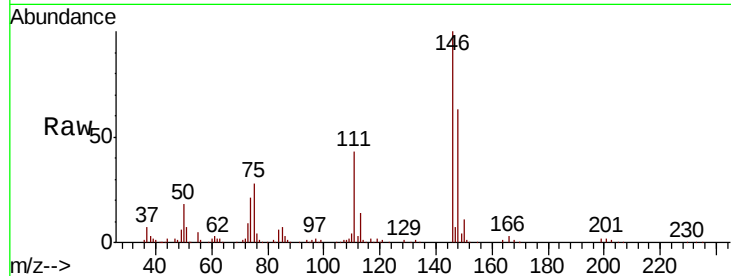




#91
 1,2-Dichlorobenzene
 Concen: 20.247 ug/l
 RT: 13.01 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

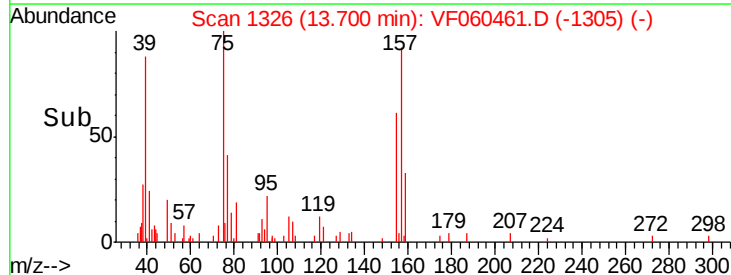
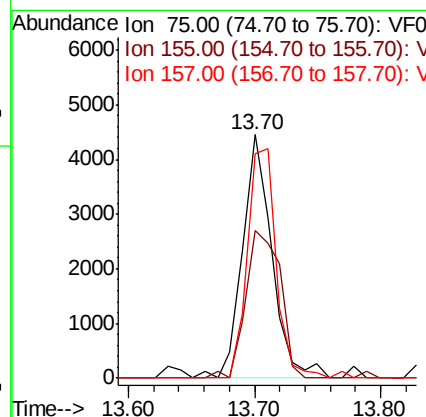
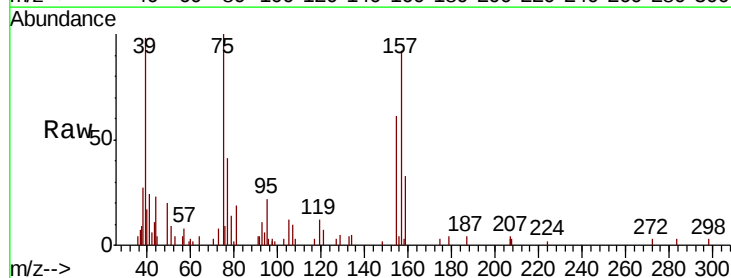
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1005SBS01

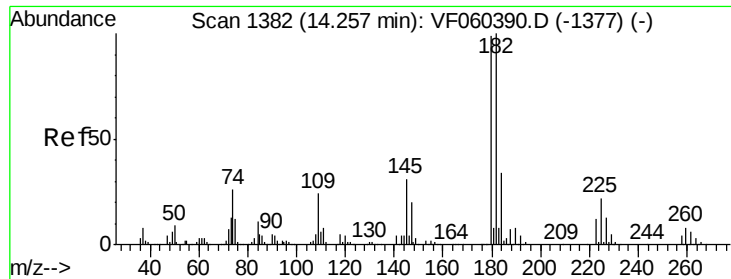
Tot Ion:146 Resp: 92893
 Ion Ratio Lower Upper
 146 100
 111 43.3 21.3 64.0
 148 62.9 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.828 ug/l
 RT: 13.70 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Tgt Ion: 75 Resp: 7173
 Ion Ratio Lower Upper
 75 100
 155 60.8 37.9 113.6
 157 91.9 51.3 154.0

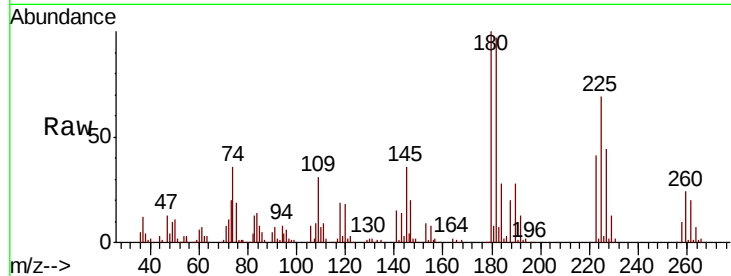




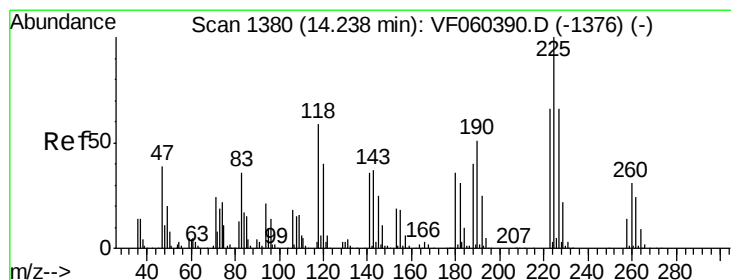
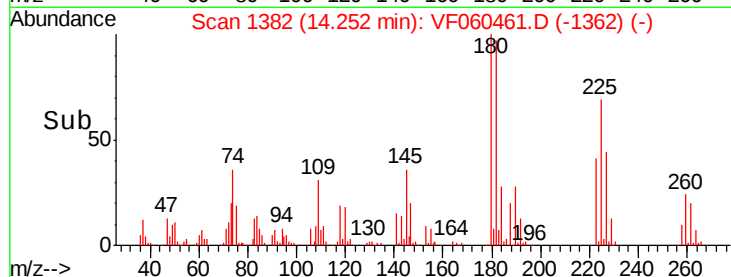
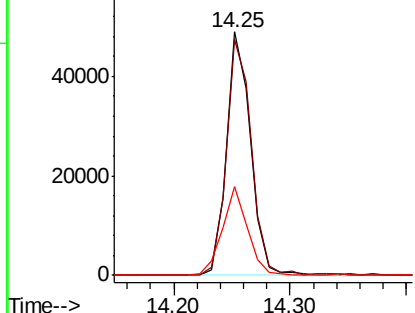
#93
 1,2,4-Trichlorobenzene
 Concen: 20.405 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1005SBS01

Tot Ion:180 Resp: 69976
 Ion Ratio Lower Upper
 180 100
 182 96.7 50.3 150.9
 145 36.4 15.5 46.5

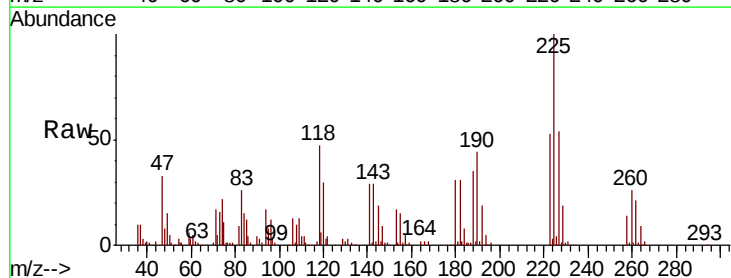


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

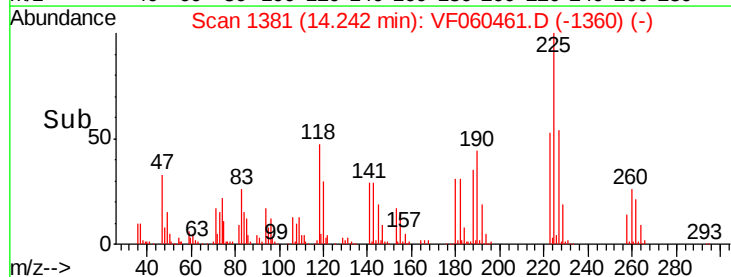
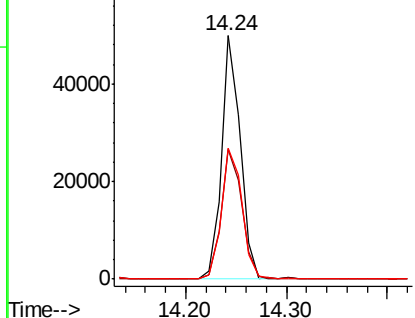


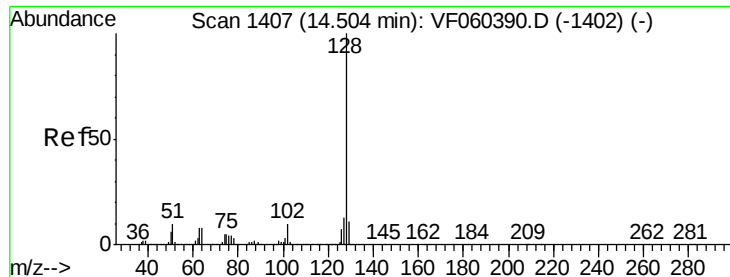
#94
 Hexachlorobutadiene
 Concen: 27.055 ug/l
 RT: 14.24 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Tgt Ion:225 Resp: 64753
 Ion Ratio Lower Upper
 225 100
 223 53.4 32.8 98.4
 227 53.7 33.0 99.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 14.669 ug/l

RT: 14.51 min Scan# 1408

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

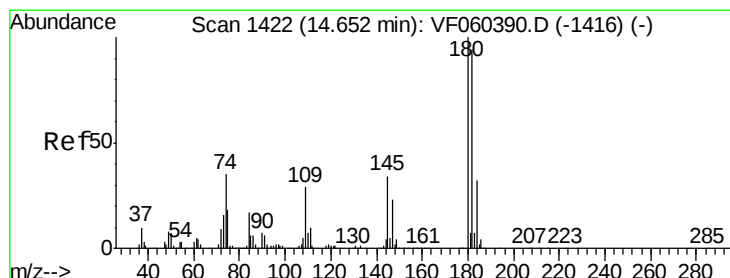
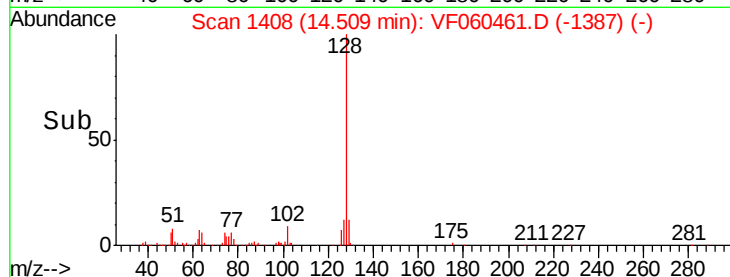
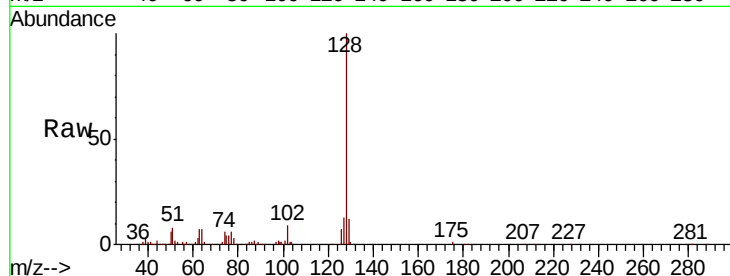
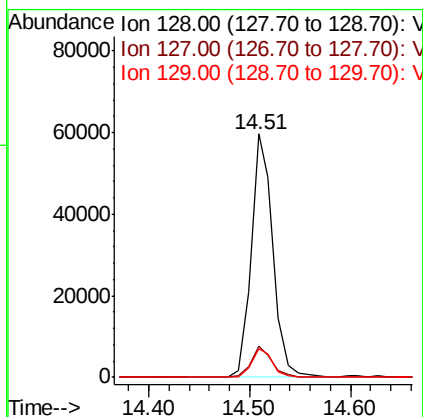
MSVOA_F

ClientSampleId :

VF1005SBS01

Tot Ion:128 Resp: 89939

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.0	15.0
129	11.8	8.7	13.1



#96

1,2,3-Trichlorobenzene

Concen: 20.298 ug/l

RT: 14.66 min Scan# 1423

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Tgt Ion:180 Resp: 65250

Ion	Ratio	Lower	Upper
180	100		
182	95.2	46.8	140.3
145	30.2	16.9	50.6

