

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100218\
 Data File : VF060399.D
 Acq On : 2 Oct 2018 13:49
 Operator : VA/AP
 Sample : VF1002SBSD01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1002SBSD01

Quant Time: Oct 02 14:13:20 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	258821	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.74	114	433136	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	370997	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	210257	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	198134	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
35) Dibromofluoromethane	4.28	113	202223	49.70	ug/l	0.01
Spiked Amount			Recovery	=	99.40%	
50) Toluene-d8	7.69	98	496192	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
62) 4-Bromofluorobenzene	11.50	95	213871	46.74	ug/l	0.01
Spiked Amount			Recovery	=	93.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	148983	23.821	ug/l	99
3) Chloromethane	1.13	50	85691	24.382	ug/l	99
4) Vinyl Chloride	1.18	62	87093	23.822	ug/l	94
5) Bromomethane	1.35	94	61793	21.820	ug/l	95
6) Chloroethane	1.43	64	40019	21.935	ug/l	91
7) Trichlorofluoromethane	1.54	101	180385	21.266	ug/l	97
8) Diethyl Ether	1.69	74	23669	20.361	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.90	101	91539	22.529	ug/l	92
10) Methyl Iodide	1.97	142	93966	15.165	ug/l	97
11) Tert butyl alcohol	2.67	59	26468	108.046	ug/l #	77
12) 1,1-Dichloroethene	1.86	96	76160	24.259	ug/l	98
13) Acrolein	2.08	56	19059	96.743	ug/l	87
14) Allyl chloride	2.18	41	108051	21.479	ug/l	93
15) Acrylonitrile	3.05	53	44154	105.190	ug/l #	88
16) Acetone	2.32	43	112279	122.507	ug/l	94
17) Carbon Disulfide	1.90	76	218421	22.976	ug/l	94
18) Methyl Acetate	2.44	43	29445	18.215	ug/l #	85
19) Methyl tert-butyl Ether	2.53	73	163430	21.373	ug/l	97
20) Methylene Chloride	2.27	84	29903	5.117	ug/l	91
21) trans-1,2-Dichloroethene	2.40	96	67086	21.396	ug/l	97
22) Diisopropyl ether	2.92	45	191618	20.986	ug/l	98
23) Vinyl Acetate	3.32	43	402666	111.015	ug/l	98
24) 1,1-Dichloroethane	2.98	63	136274	22.070	ug/l	99
25) 2-Butanone	4.49	43	121020	115.404	ug/l	93
26) 2,2-Dichloropropane	3.74	77	80266	22.951	ug/l	98
27) cis-1,2-Dichloroethene	3.62	96	76123	21.714	ug/l	89
28) Bromochloromethane	3.87	49	50572	22.223	ug/l	97
29) Tetrahydrofuran	4.24	42	41693	102.845	ug/l	96
30) Chloroform	4.02	83	159548	20.940	ug/l	93
31) Cyclohexane	3.85	56	103643	23.375	ug/l	99
32) 1,1,1-Trichloroethane	4.25	97	135672	21.398	ug/l	93
36) 1,1-Dichloropropene	4.44	75	109939	20.587	ug/l	96
37) Ethyl Acetate	4.27	43	41246	20.169	ug/l	86
38) Carbon Tetrachloride	4.15	117	150702	23.184	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	115006	21.968	ug/l	93
40) Benzene	4.79	78	232968	21.975	ug/l	96
41) Methacrylonitrile	4.91	41	21444	19.777	ug/l	92
42) 1,2-Dichloroethane	5.09	62	103569	20.478	ug/l	91
43) Isopropyl Acetate	7.10	43	50698	20.515	ug/l #	94
44) Trichloroethene	5.66	130	72524	21.321	ug/l	99
45) 1,2-Dichloropropane	6.39	63	60362	21.380	ug/l #	89
46) Dibromomethane	6.24	93	41876	18.448	ug/l	89
47) Bromodichloromethane	6.52	83	117087	20.827	ug/l	98
48) Methyl methacrylate	6.86	41	32382	18.254	ug/l	91
49) 1,4-Dioxane	6.85	88	6641	434.173	ug/l	93
51) 4-Methyl-2-Pentanone	8.39	43	195739	111.266	ug/l	99
52) Toluene	7.77	92	144117	20.014	ug/l	95
53) t-1,3-Dichloropropene	8.41	75	91181	20.696	ug/l	99
54) cis-1,3-Dichloropropene	7.44	75	100362	19.491	ug/l	93
55) 1,1,2-Trichloroethane	8.61	97	43271	18.958	ug/l	92
56) Ethyl methacrylate	8.74	69	53071	20.463	ug/l	96
57) 1,3-Dichloropropane	8.98	76	76091	19.706	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.76	63	24833	93.738	ug/l	100
59) 2-Hexanone	9.61	43	158122	122.543	ug/l	91
60) Dibromochloromethane	8.84	129	63331	18.429	ug/l	94
61) 1,2-Dibromoethane	9.12	107	48408	19.383	ug/l	91
64) Tetrachloroethene	8.29	164	63275	21.455	ug/l	96
65) Chlorobenzene	9.92	112	159285	20.901	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	72024	21.645	ug/l	99
67) Ethyl Benzene	10.02	91	321733	22.203	ug/l	99
68) m/p-Xylenes	10.25	106	214526	43.066	ug/l	96
69) o-Xylene	10.81	106	121846	22.441	ug/l	99
70) Styrene	10.89	104	168125	21.769	ug/l	97
71) Bromoform	10.87	173	35135	19.832	ug/l #	93
73) Isopropylbenzene	11.22	105	361042	21.809	ug/l	100
74) N-amyl acetate	11.45	43	84976	22.365	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	61700	20.442	ug/l	94
76) 1,2,3-Trichloropropane	11.88	75	43123	19.407	ug/l	97
77) Bromobenzene	11.58	156	75678	20.450	ug/l	95
78) n-propylbenzene	11.68	91	444226	22.134	ug/l	99
79) 2-Chlorotoluene	11.80	91	256070	21.812	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	309534	22.007	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	29084	29.528	ug/l	91
82) 4-Chlorotoluene	11.97	91	245455	20.434	ug/l	92
83) tert-Butylbenzene	12.20	119	318173	22.935	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	304279	21.814	ug/l	95
85) sec-Butylbenzene	12.38	105	406543	21.230	ug/l	100
86) p-Isopropyltoluene	12.53	119	329597	21.068	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	141953	20.385	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	139763	20.354	ug/l	99
89) n-Butylbenzene	12.91	91	372926	22.527	ug/l	92
90) Hexachloroethane	12.99	117	83086	20.549	ug/l	71
91) 1,2-Dichlorobenzene	13.01	146	133346	19.985	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	10381	17.742	ug/l	87

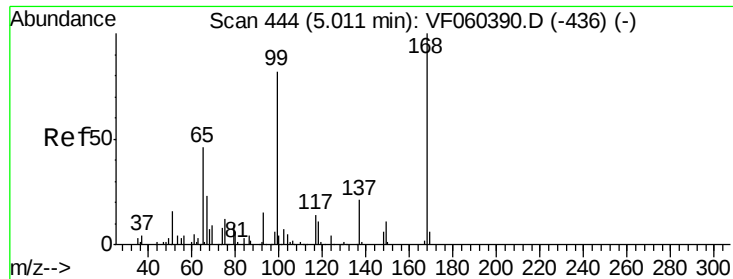
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	105103	21.075	ug/l	97
94) Hexachlorobutadiene	14.25	225	76472	21.970	ug/l	95
95) Naphthalene	14.52	128	187285	21.004	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	96355	20.611	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

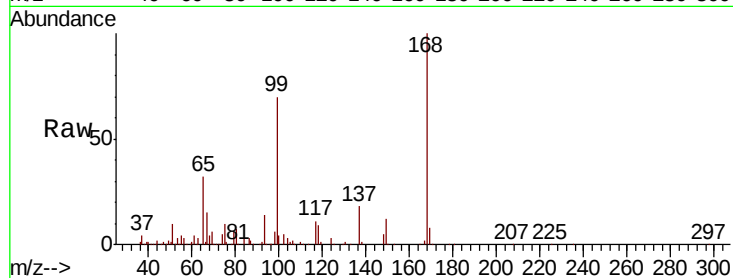
VF1002SBSD01

Tot Ion:168 Resp: 258821

Ion Ratio Lower Upper

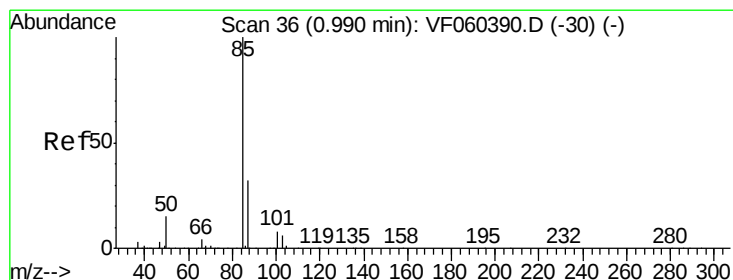
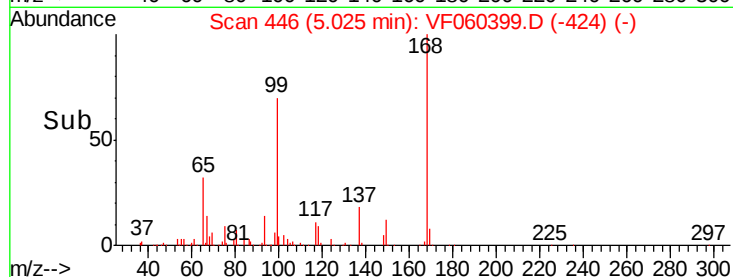
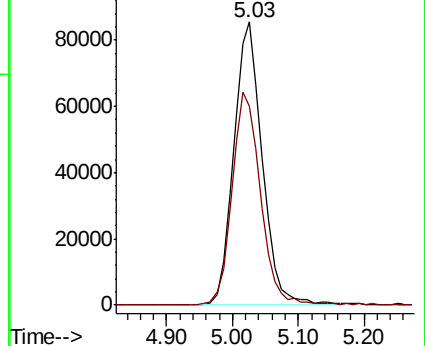
168 100

99 70.2 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: 23.821 ug/l

RT: 0.99 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060399.D

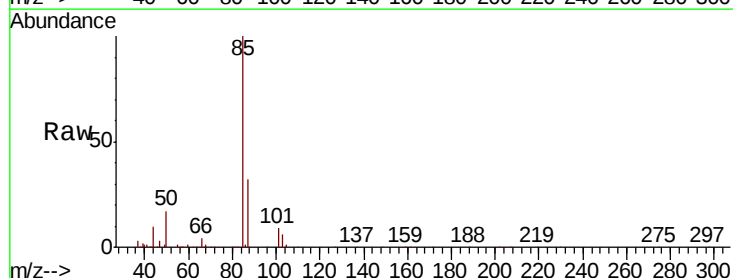
Acq: 2 Oct 2018 13:49

Tgt Ion: 85 Resp: 148983

Ion Ratio Lower Upper

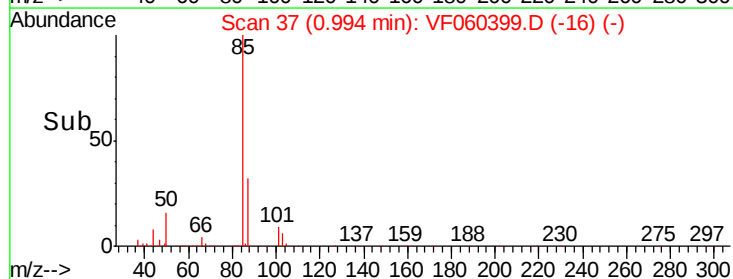
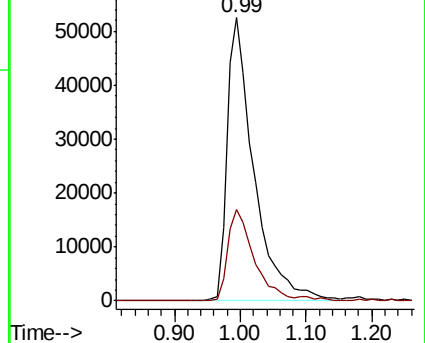
85 100

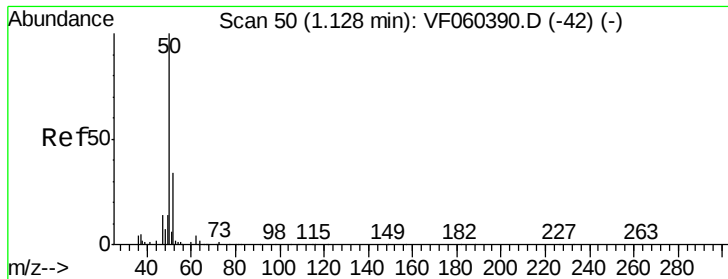
87 32.4 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 24.382 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

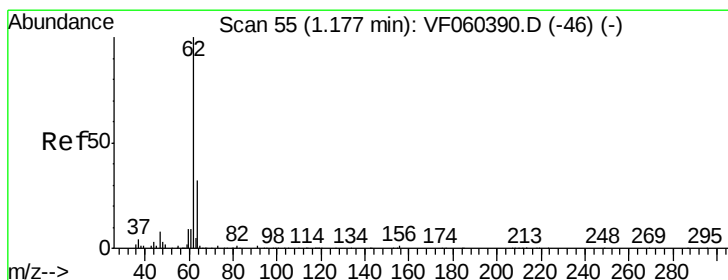
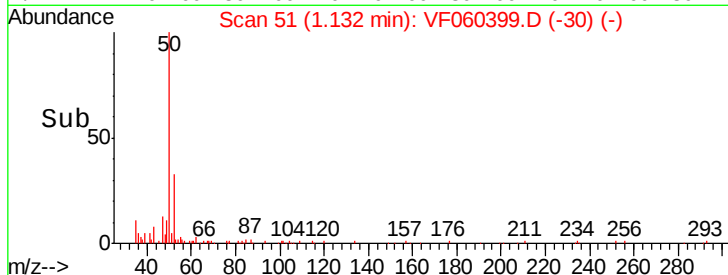
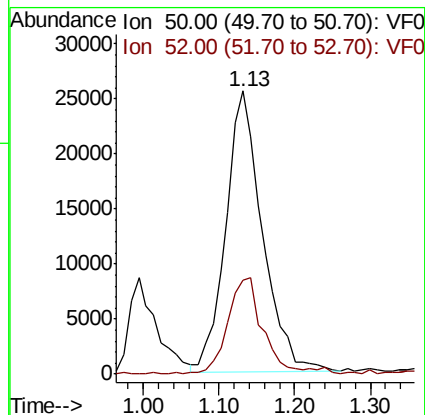
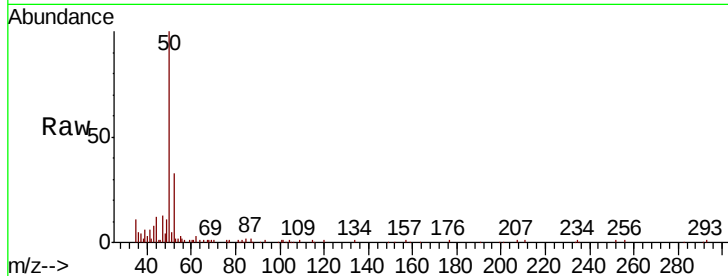
VF1002SBSD01

Tot Ion: 50 Resp: 85691

Ion Ratio Lower Upper

50 100

52 33.1 26.9 40.3



#4

Vinyl Chloride

Concen: 23.822 ug/l

RT: 1.18 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF060399.D

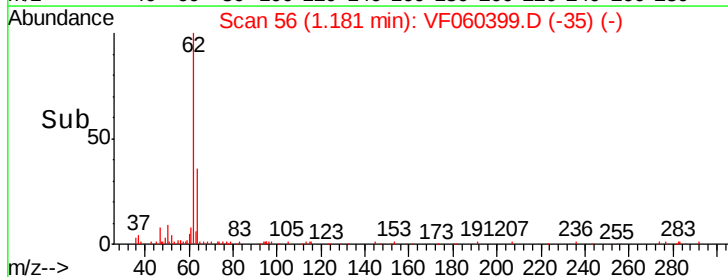
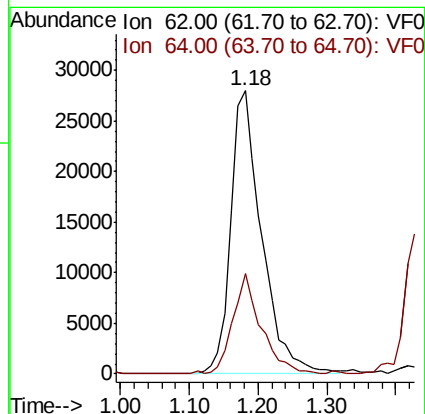
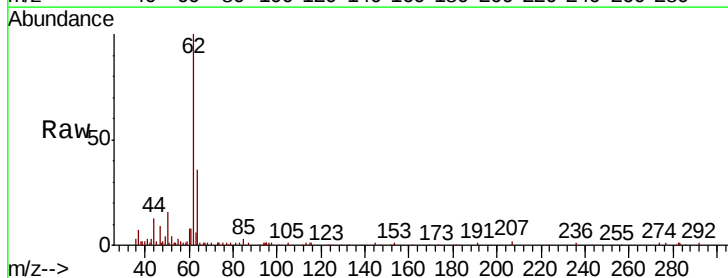
Acq: 2 Oct 2018 13:49

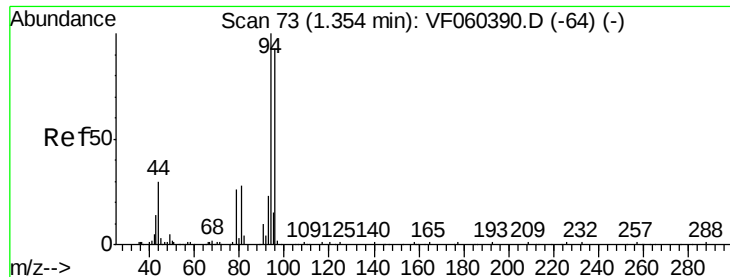
Tgt Ion: 62 Resp: 87093

Ion Ratio Lower Upper

62 100

64 35.6 25.8 38.6





#5

Bromomethane

Concen: 21.820 ug/l

RT: 1.35 min Scan# 73

Delta R.T. -0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

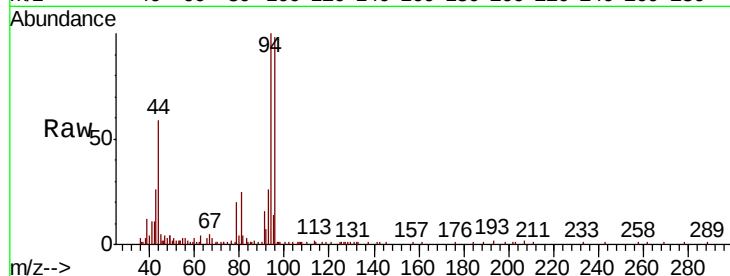
VF1002SBSD01

Tot Ion: 94 Resp: 61793

Ion Ratio Lower Upper

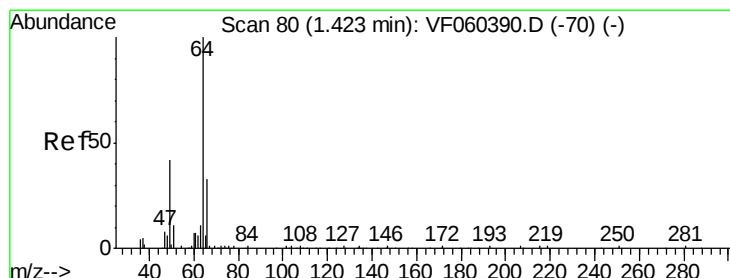
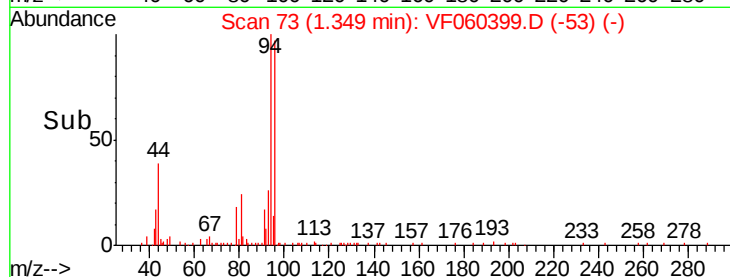
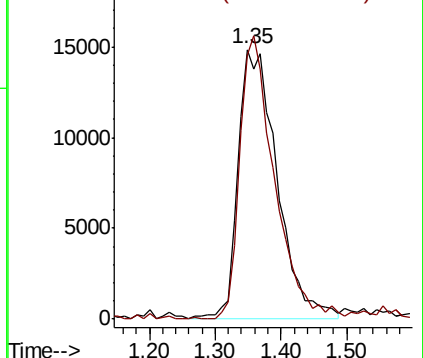
94 100

96 97.8 74.3 111.5



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 21.935 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF060399.D

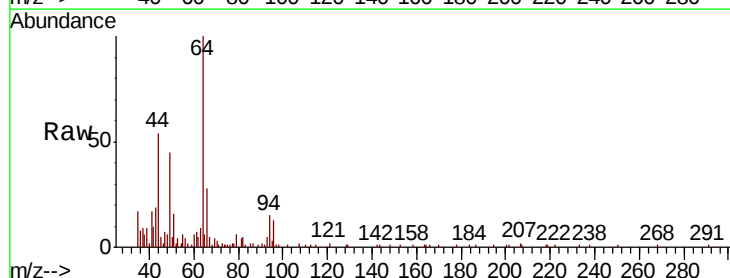
Acq: 2 Oct 2018 13:49

Tgt Ion: 64 Resp: 40019

Ion Ratio Lower Upper

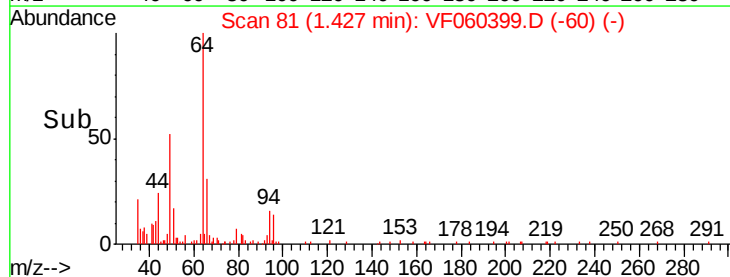
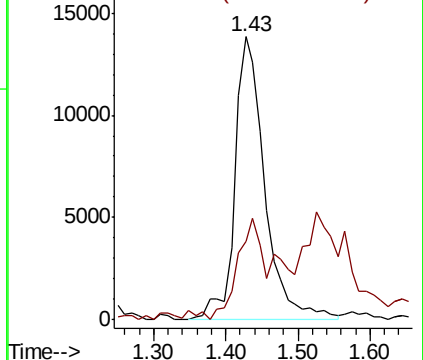
64 100

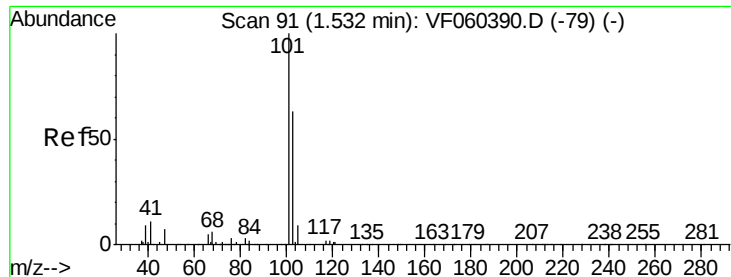
66 27.5 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



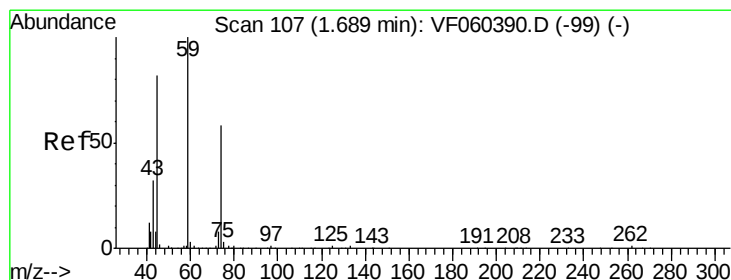
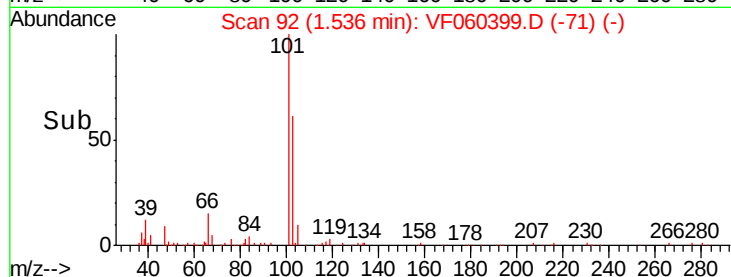
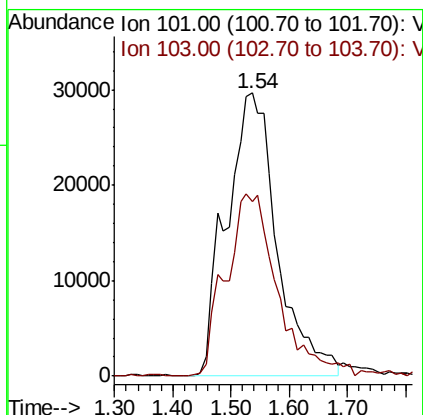
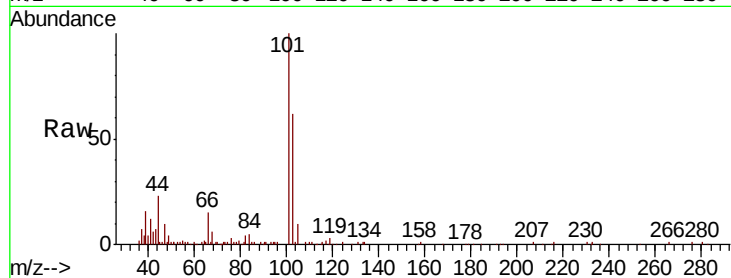


#7

Trichlorofluoromethane
 Concen: 21.266 ug/l
 RT: 1.54 min Scan# 92
 Delta R.T. 0.00 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

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 VF1002SBSD01

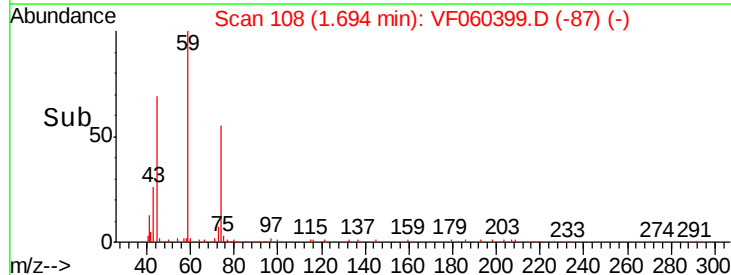
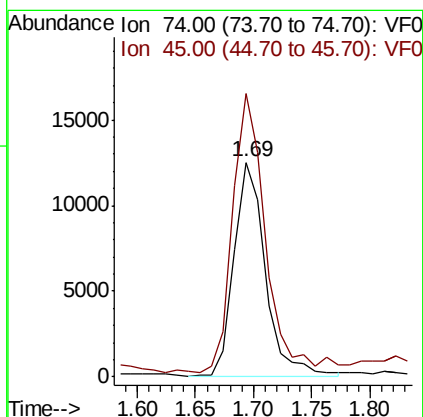
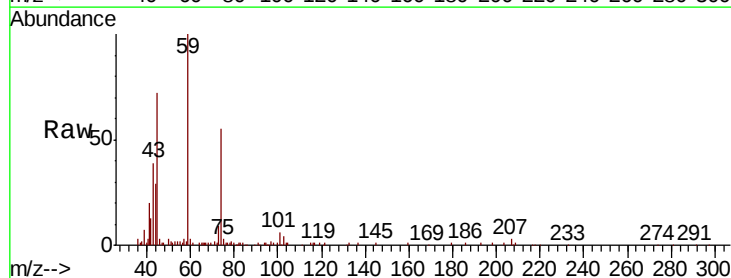
Tot Ion:101 Resp: 180385
 Ion Ratio Lower Upper
 101 100
 103 61.5 51.0 76.4

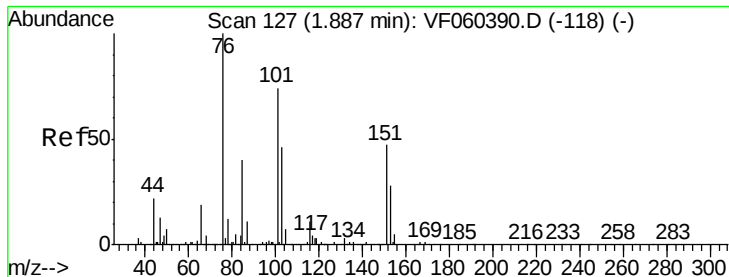


#8

Diethyl Ether
 Concen: 20.361 ug/l
 RT: 1.69 min Scan# 108
 Delta R.T. 0.00 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

Tgt Ion: 74 Resp: 23669
 Ion Ratio Lower Upper
 74 100
 45 132.0 71.3 213.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.529 ug/l

RT: 1.90 min Scan# 129

Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBSD01

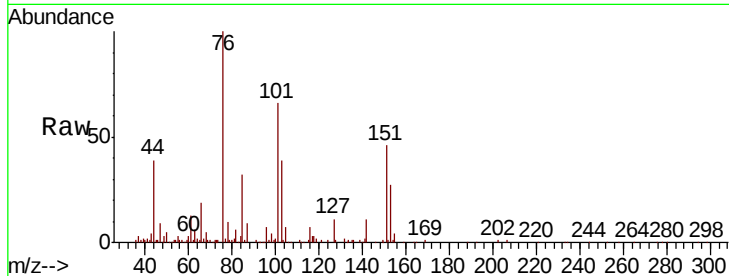
Tot Ion:101 Resp: 91539

Ion Ratio Lower Upper

101 100

85 49.3 42.5 63.7

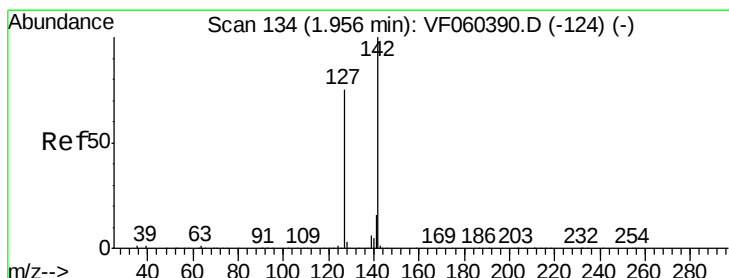
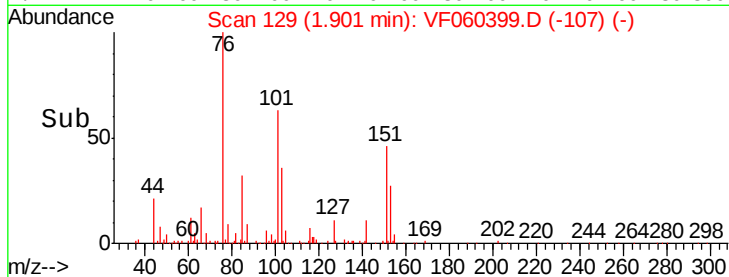
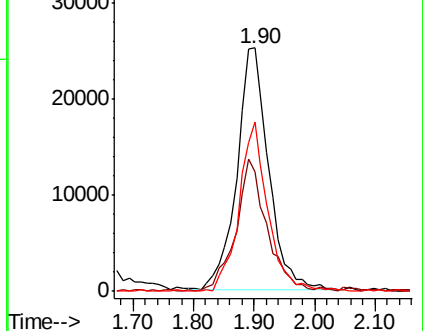
151 69.5 49.8 74.8



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: 15.165 ug/l

RT: 1.97 min Scan# 136

Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

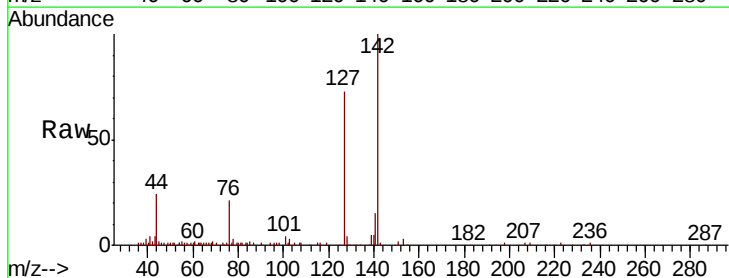
Tgt Ion:142 Resp: 93966

Ion Ratio Lower Upper

142 100

127 73.0 60.2 90.2

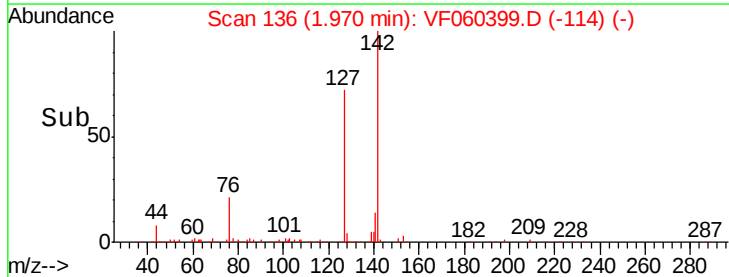
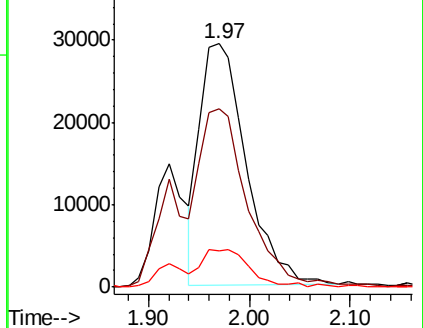
141 14.7 13.1 19.7

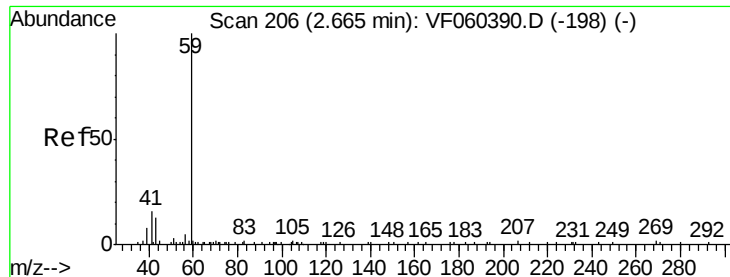


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



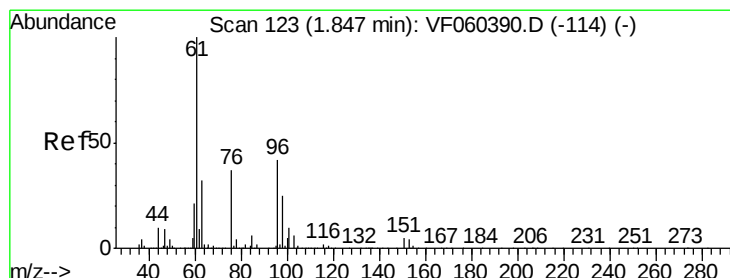
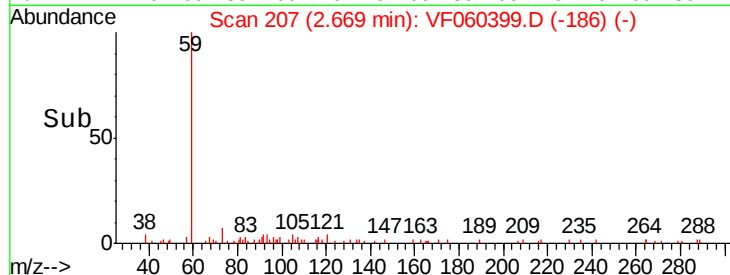
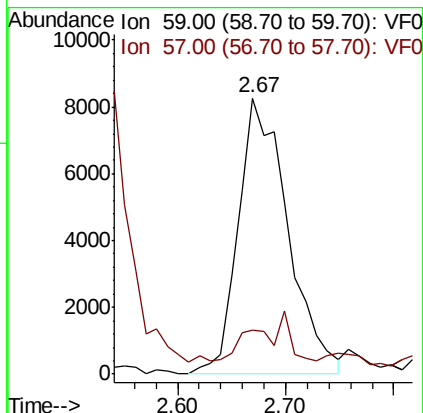
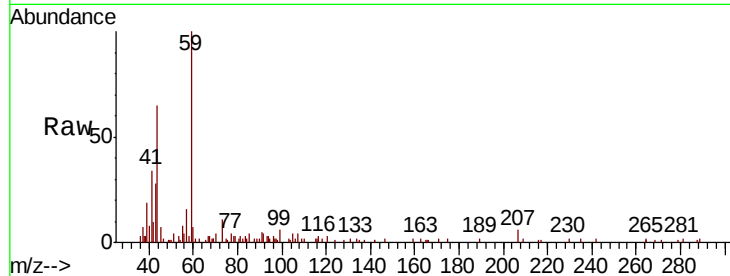


#11

Tert butyl alcohol
 Concen: 108.046 ug/l
 RT: 2.67 min Scan# 207
 Delta R.T. 0.00 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1002SBSD01

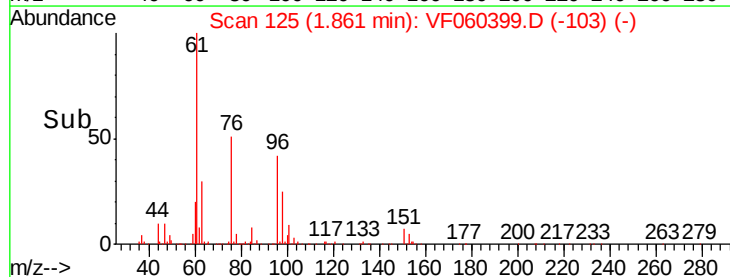
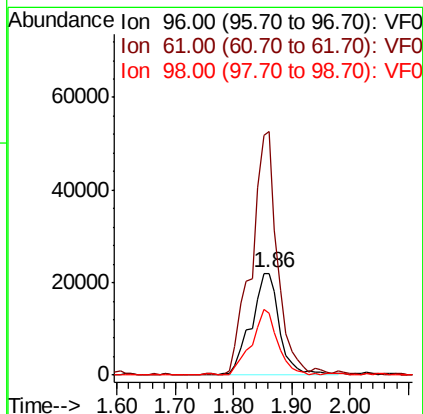
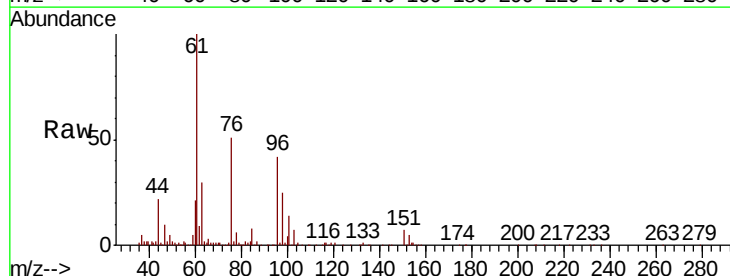
Tot Ion: 59 Resp: 26468
 Ion Ratio Lower Upper
 59 100
 57 16.1 6.5 9.7#

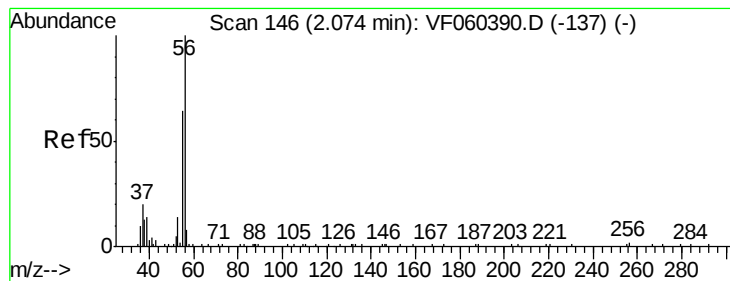


#12

1,1-Dichloroethene
 Concen: 24.259 ug/l
 RT: 1.86 min Scan# 125
 Delta R.T. 0.01 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

Tgt Ion: 96 Resp: 76160
 Ion Ratio Lower Upper
 96 100
 61 239.4 189.4 284.0
 98 60.6 47.8 71.6





#13

Acrolein

Concen: 96.743 ug/l

RT: 2.08 min Scan# 147

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

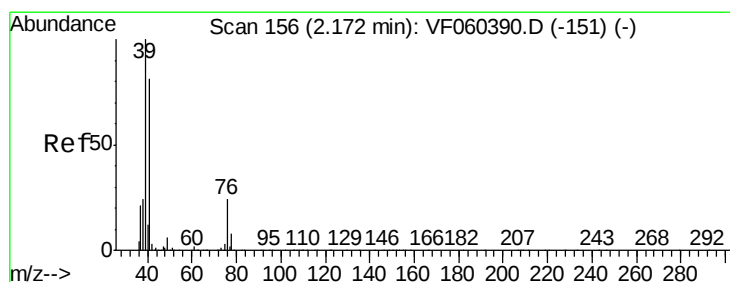
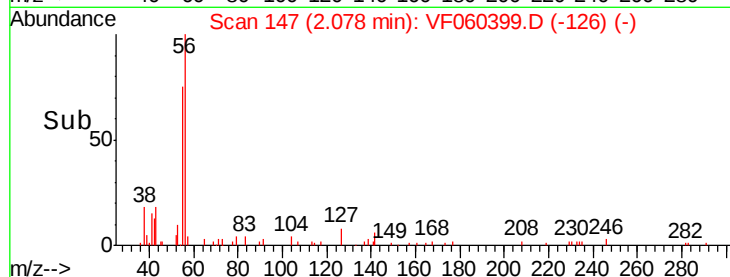
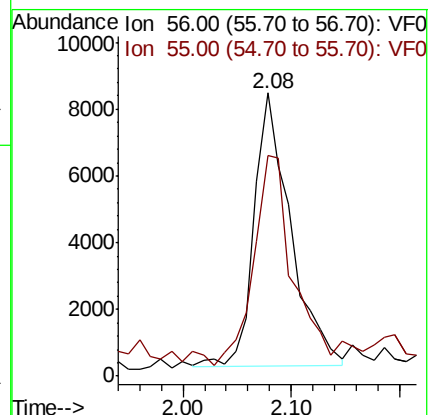
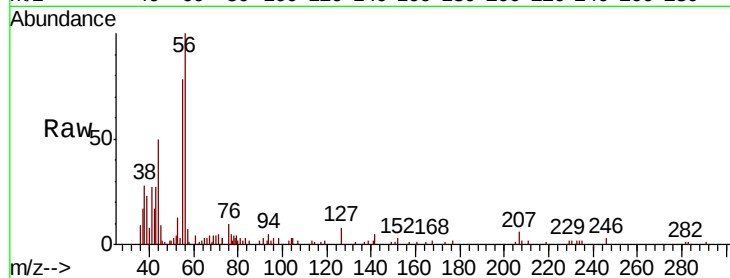
VF1002SBSD01

Tot Ion: 56 Resp: 19059

Ion Ratio Lower Upper

56 100

55 77.9 53.9 80.9



#14

Allyl chloride

Concen: 21.479 ug/l

RT: 2.18 min Scan# 157

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

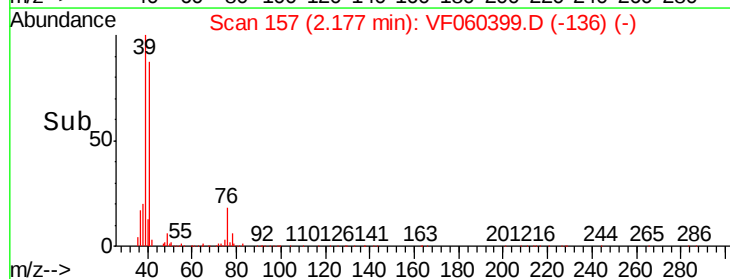
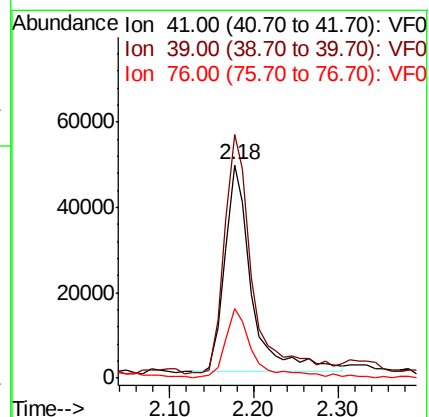
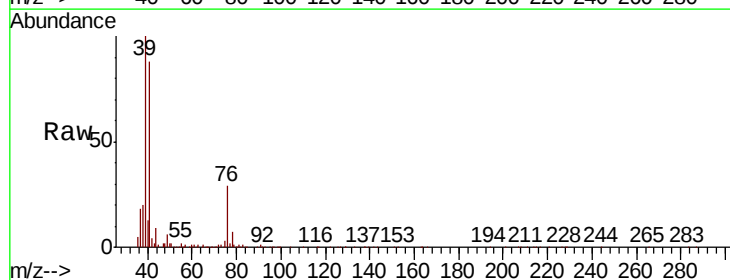
Tgt Ion: 41 Resp: 108051

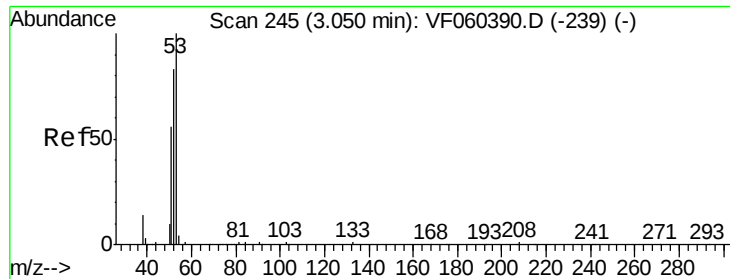
Ion Ratio Lower Upper

41 100

39 114.0 98.3 147.5

76 32.7 23.9 35.9





#15

Acrylonitrile

Concen: 105.190 ug/l

RT: 3.05 min Scan# 246

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBSD01

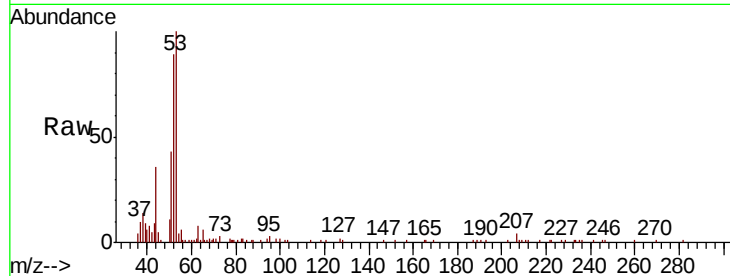
Tot Ion: 53 Resp: 44154

Ion Ratio Lower Upper

53 100

52 89.2 66.0 99.0

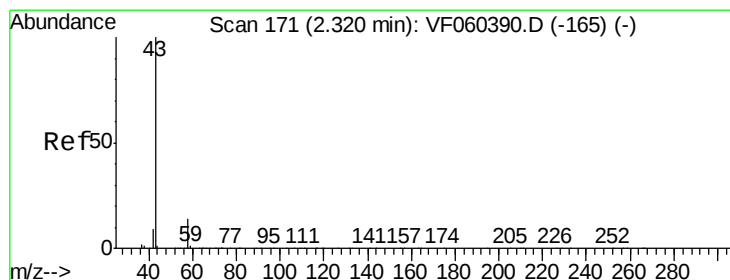
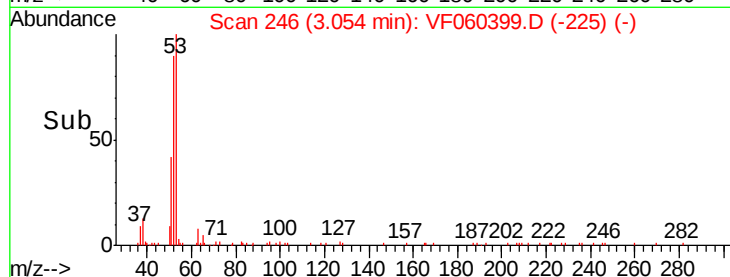
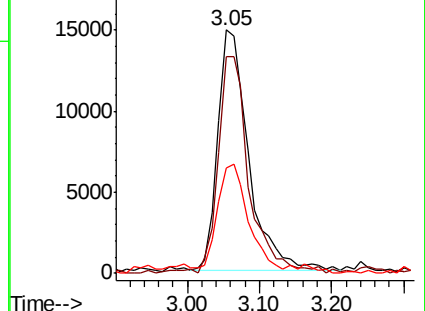
51 43.4 45.6 68.4#



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: 122.507 ug/l

RT: 2.32 min Scan# 172

Delta R.T. 0.00 min

Lab File: VF060399.D

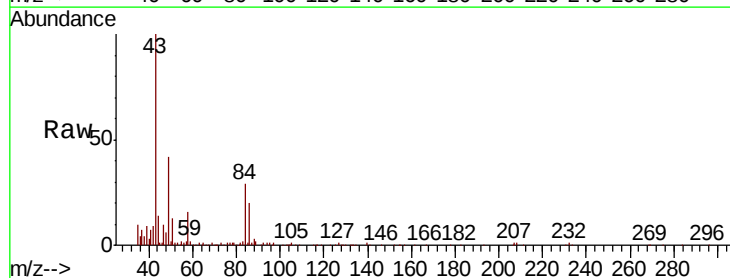
Acq: 2 Oct 2018 13:49

Tgt Ion: 43 Resp: 112279

Ion Ratio Lower Upper

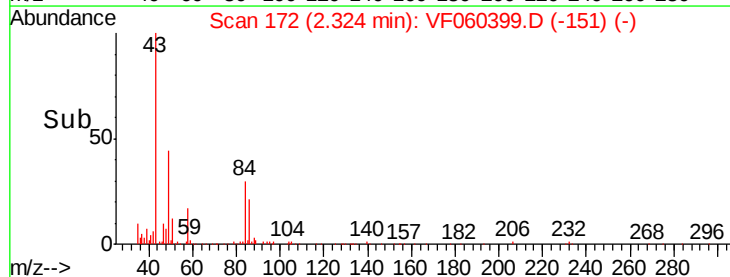
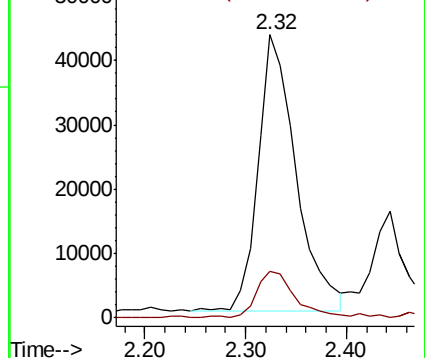
43 100

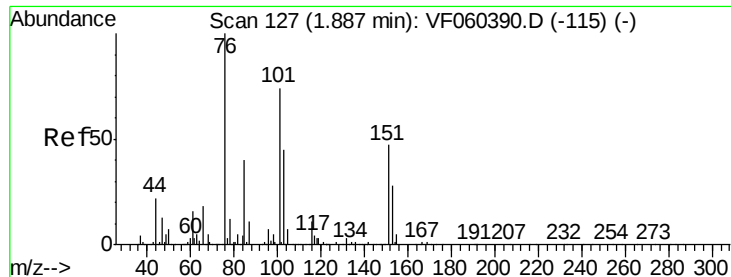
58 16.5 11.2 16.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 22.976 ug/l

RT: 1.90 min Scan# 129

Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

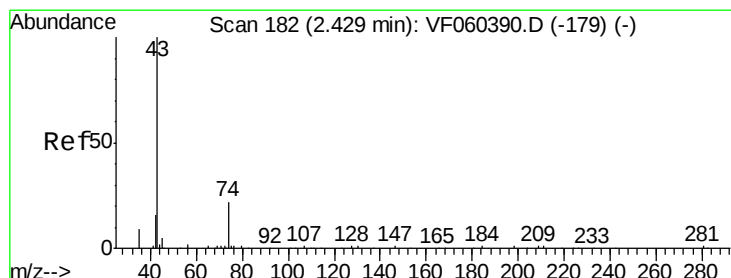
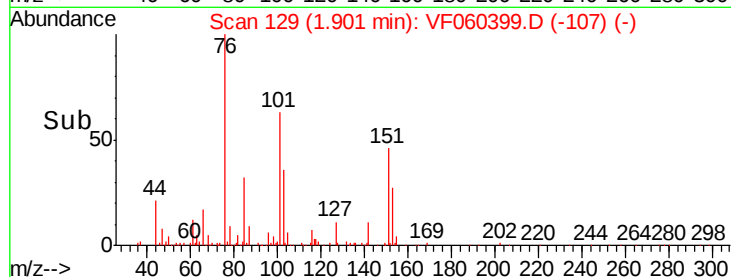
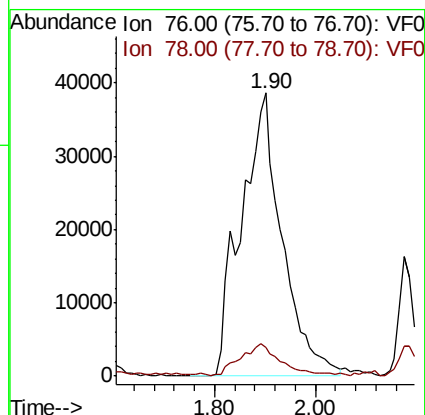
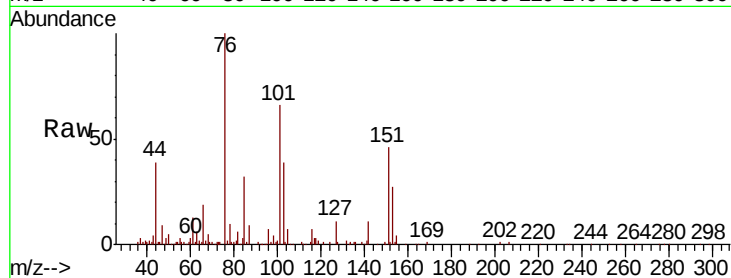
VF1002SBSD01

Tot Ion: 76 Resp: 218421

Ion Ratio Lower Upper

76 100

78 10.2 10.1 15.1



#18

Methyl Acetate

Concen: 18.215 ug/l

RT: 2.44 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF060399.D

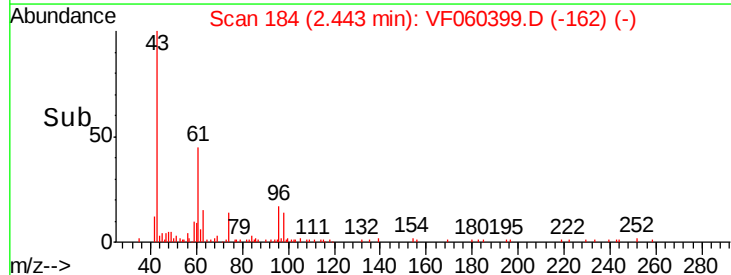
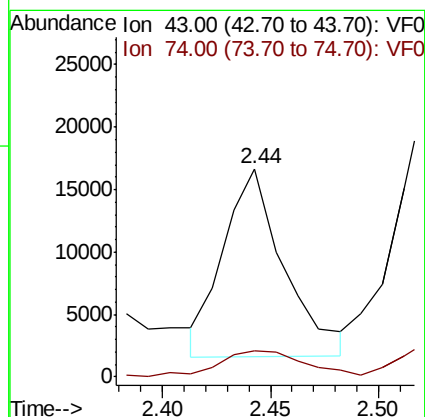
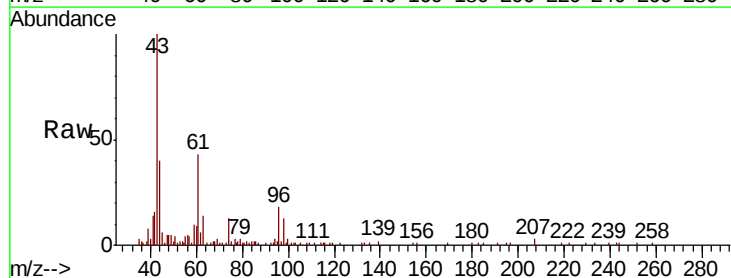
Acq: 2 Oct 2018 13:49

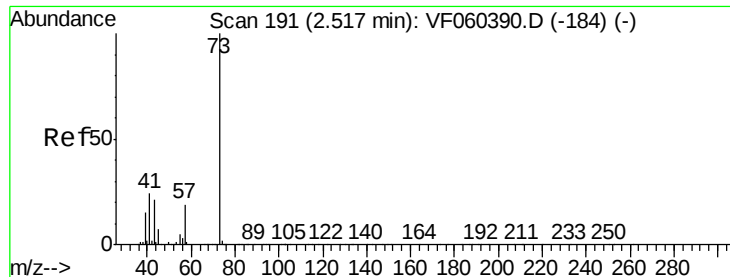
Tgt Ion: 43 Resp: 29445

Ion Ratio Lower Upper

43 100

74 12.8 15.8 23.8#



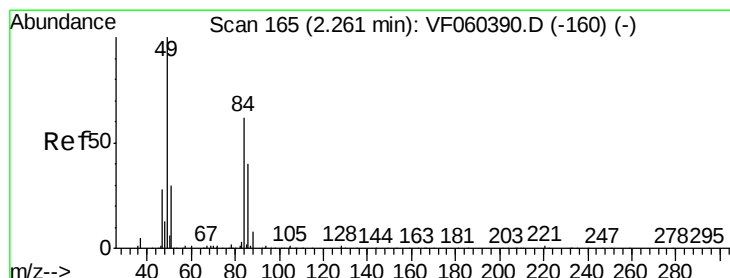
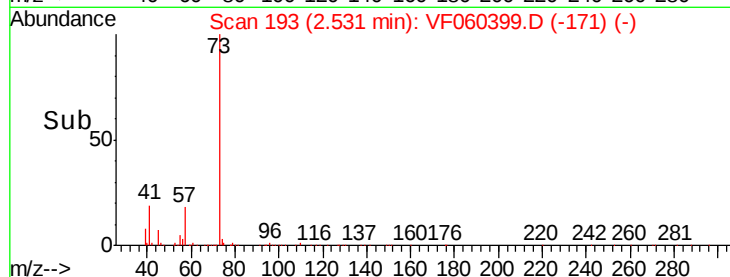
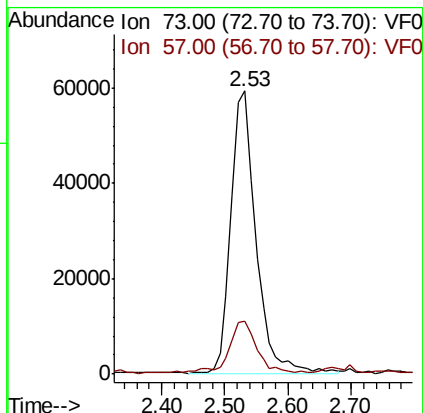
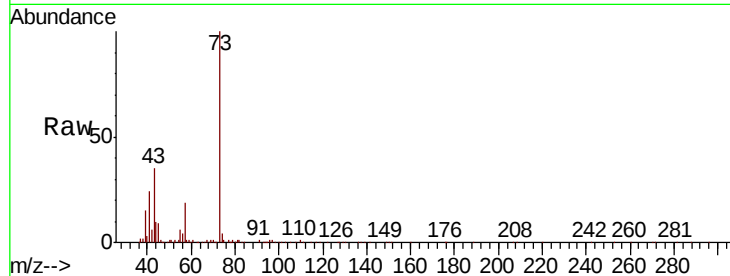


#19

Methyl tert-butyl Ether
 Concen: 21.373 ug/l
 RT: 2.53 min Scan# 193
 Delta R.T. 0.01 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1002SBSD01

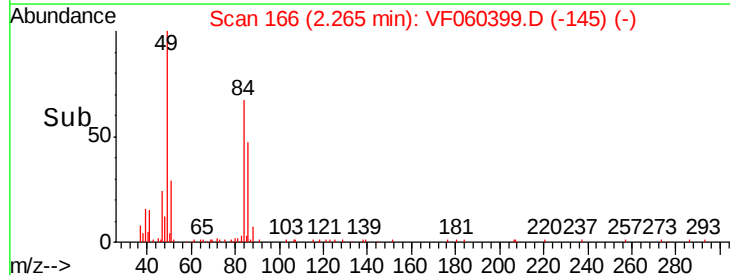
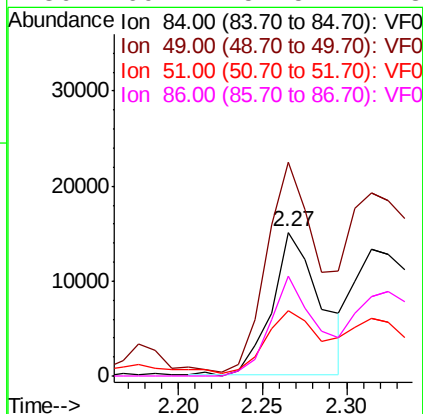
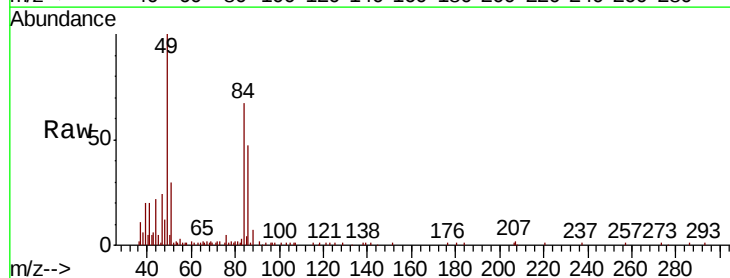
Tot Ion: 73 Resp: 163430
 Ion Ratio Lower Upper
 73 100
 57 18.7 15.9 23.9

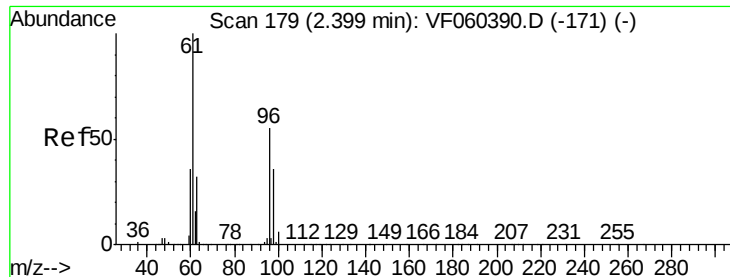


#20

Methylene Chloride
 Concen: 5.117 ug/l
 RT: 2.27 min Scan# 166
 Delta R.T. 0.00 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

Tgt Ion: 84 Resp: 29903
 Ion Ratio Lower Upper
 84 100
 49 148.3 130.2 195.2
 51 45.0 41.0 61.6
 86 69.2 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 21.396 ug/l

RT: 2.40 min Scan# 180

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBSD01

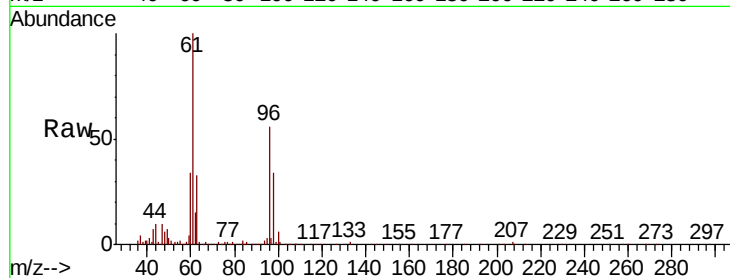
Tot Ion: 96 Resp: 67086

Ion Ratio Lower Upper

96 100

61 179.8 146.2 219.2

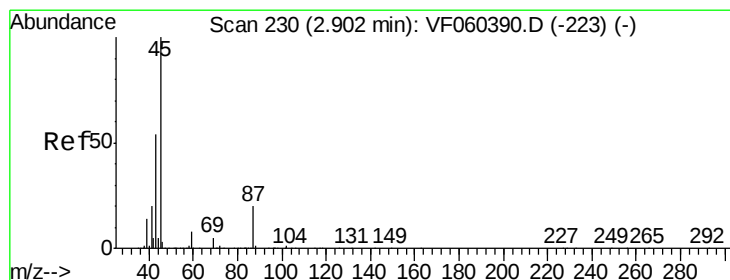
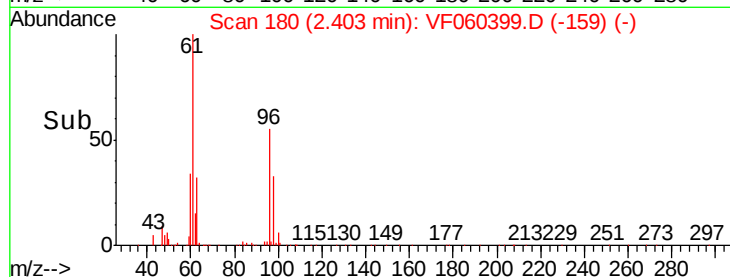
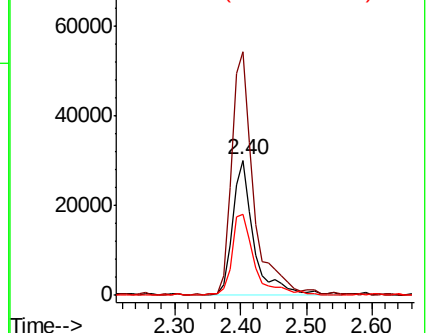
98 60.2 52.6 78.8



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: 20.986 ug/l

RT: 2.92 min Scan# 232

Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Tgt Ion: 45 Resp: 191618

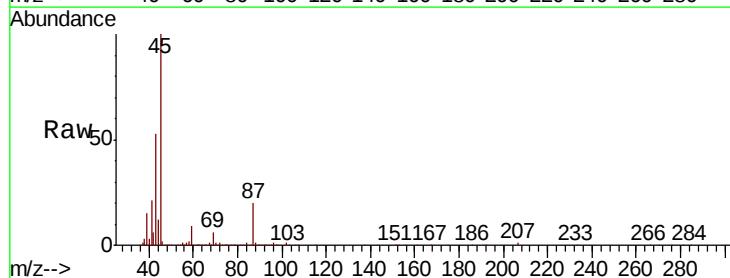
Ion Ratio Lower Upper

45 100

43 52.7 43.8 65.8

87 19.6 16.3 24.5

59 8.7 6.6 10.0

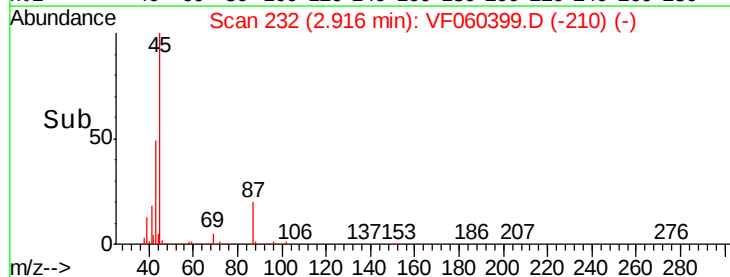
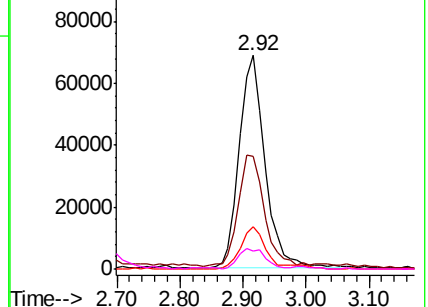


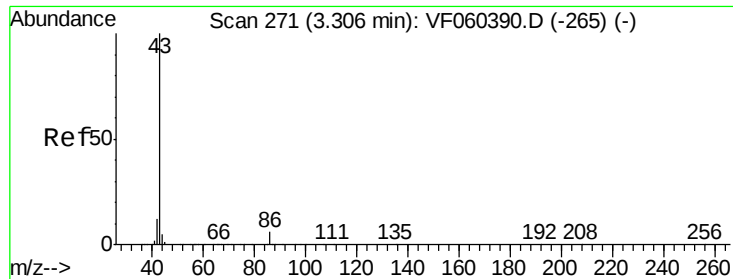
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 111.015 ug/l

RT: 3.32 min Scan# 273

Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

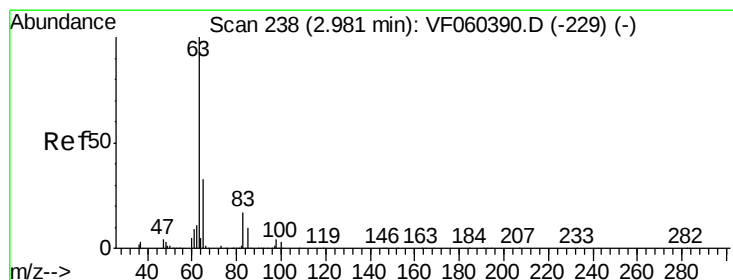
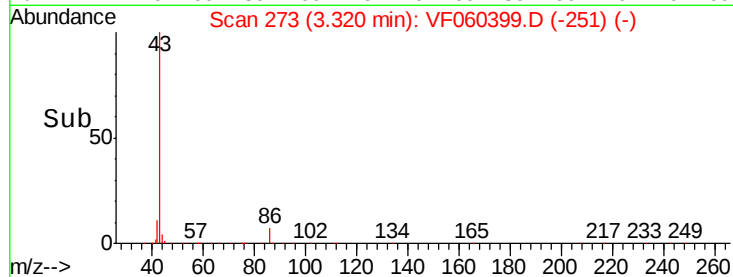
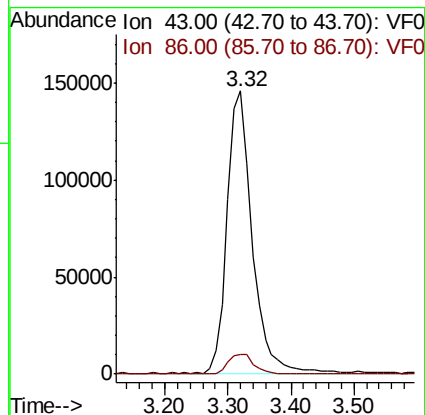
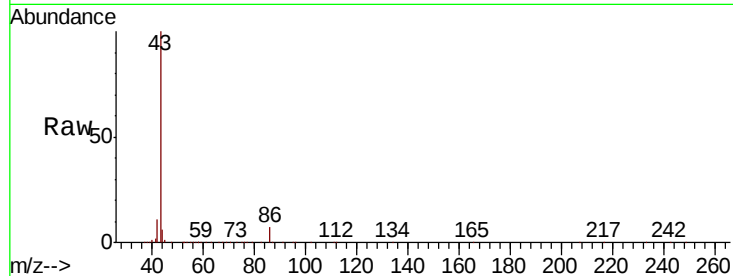
VF1002SBSD01

Tot Ion: 43 Resp: 402666

Ion Ratio Lower Upper

43 100

86 6.9 5.1 7.7



#24

1,1-Dichloroethane

Concen: 22.070 ug/l

RT: 2.98 min Scan# 239

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

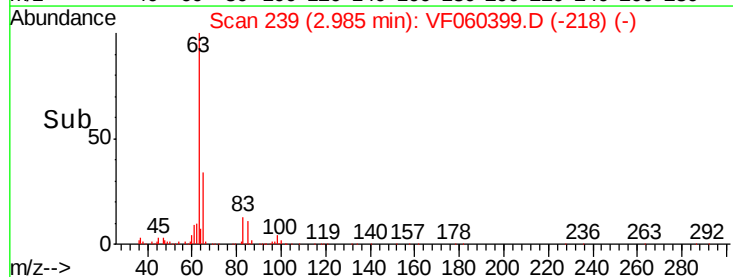
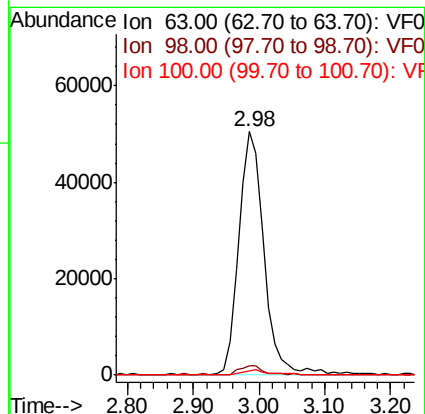
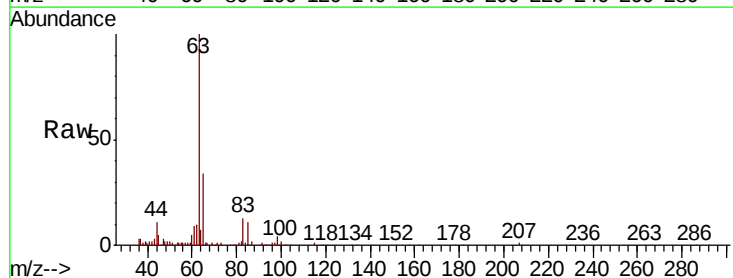
Tgt Ion: 63 Resp: 136274

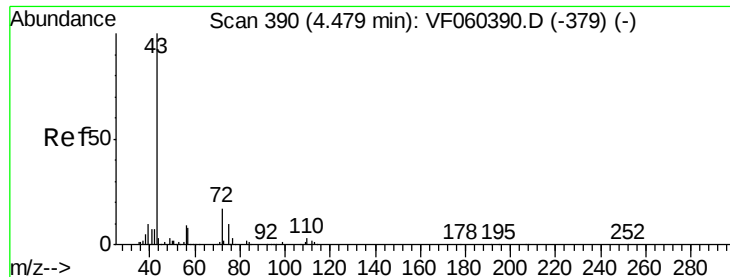
Ion Ratio Lower Upper

63 100

98 3.9 2.0 5.8

100 2.0 1.4 4.2





#25

2-Butanone

Concen: 115.404 ug/l

RT: 4.49 min Scan# 392

Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

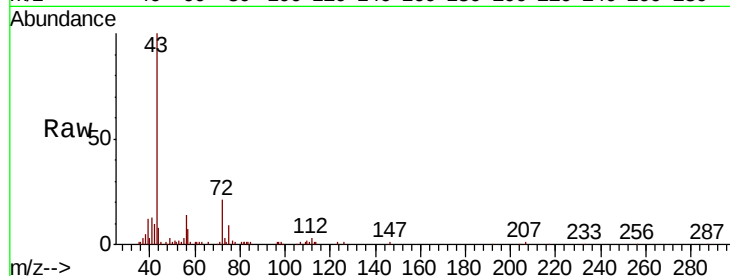
VF1002SBSD01

Tot Ion: 43 Resp: 121020

Ion Ratio Lower Upper

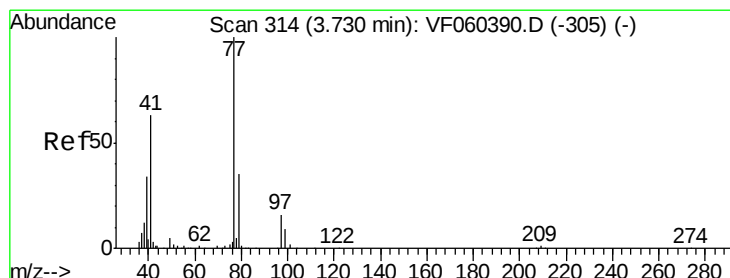
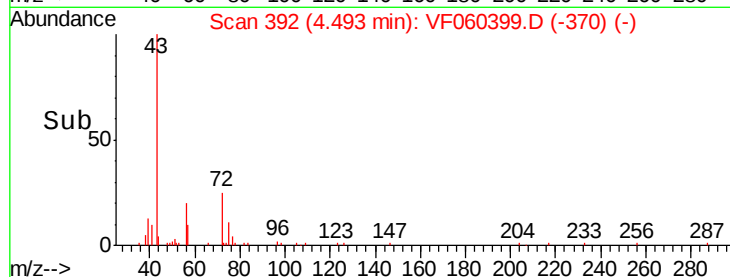
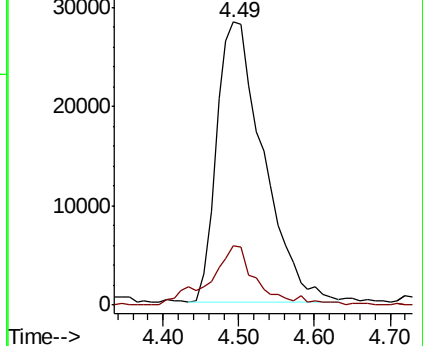
43 100

72 20.8 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: 22.951 ug/l

RT: 3.74 min Scan# 316

Delta R.T. 0.01 min

Lab File: VF060399.D

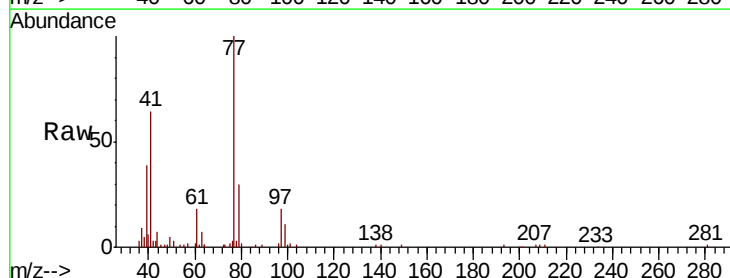
Acq: 2 Oct 2018 13:49

Tgt Ion: 77 Resp: 80266

Ion Ratio Lower Upper

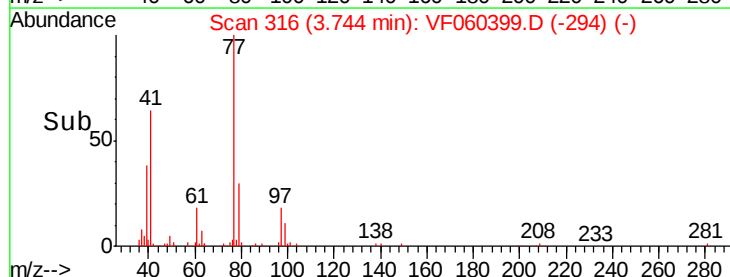
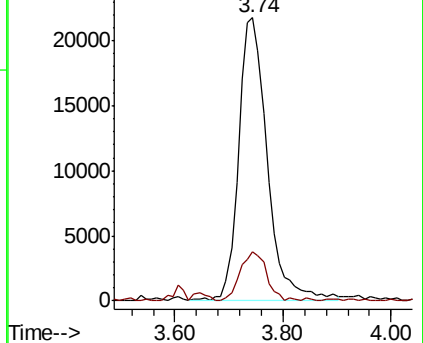
77 100

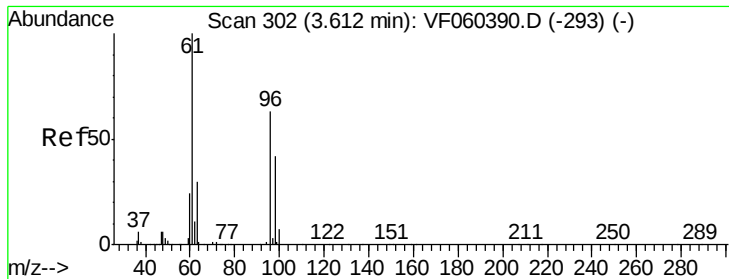
97 17.6 8.3 25.1



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



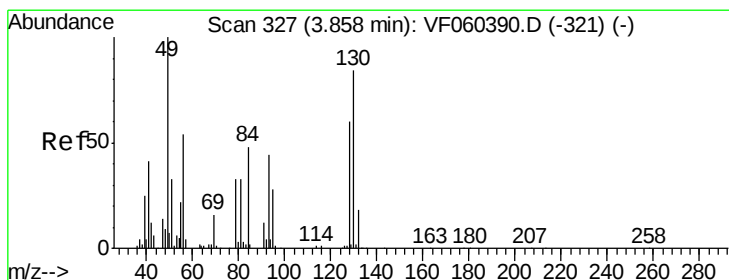
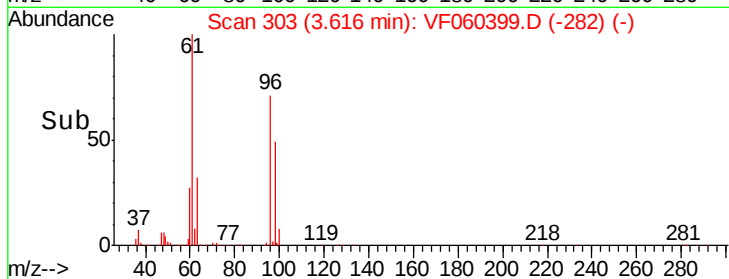
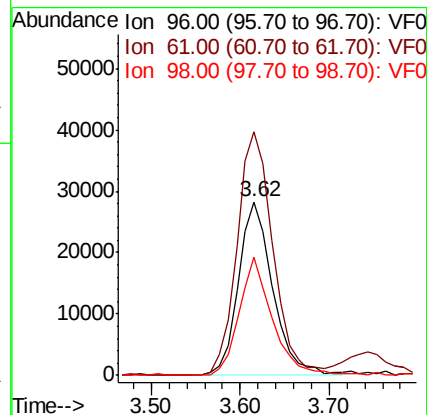
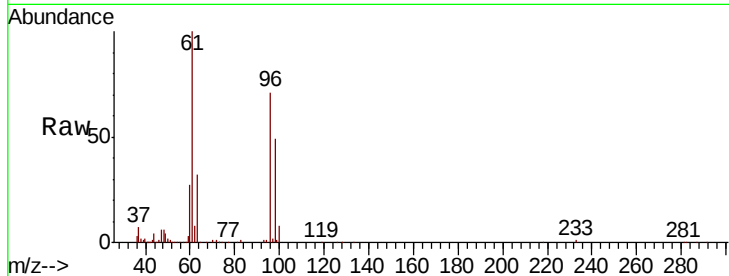


#27

cis-1,2-Dichloroethene
 Concen: 21.714 ug/l
 RT: 3.62 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1002SBSD01

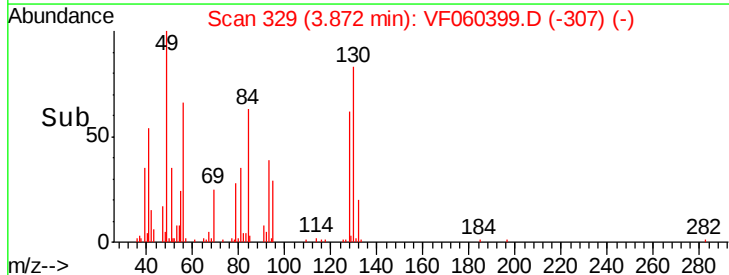
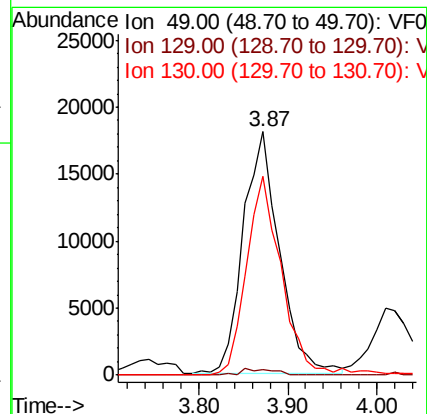
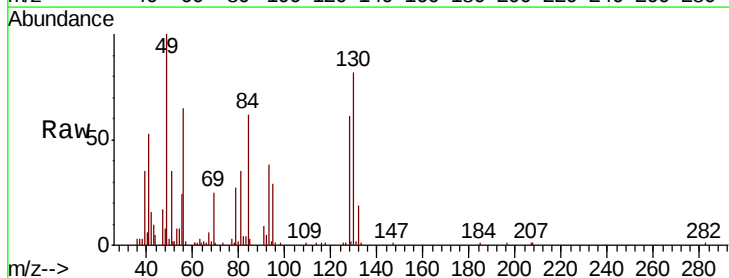
Tot Ion	Ratio	Lower	Upper
96	100		
61	140.1	0.0	318.2
98	68.0	0.0	134.0

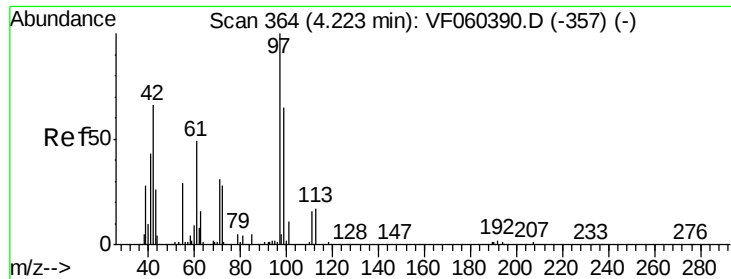


#28

Bromochloromethane
 Concen: 22.223 ug/l
 RT: 3.87 min Scan# 329
 Delta R.T. 0.01 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.6
130	81.7	67.3	100.9





#29

Tetrahydrofuran

Concen: 102.845 ug/l

RT: 4.24 min Scan# 366

Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBSD01

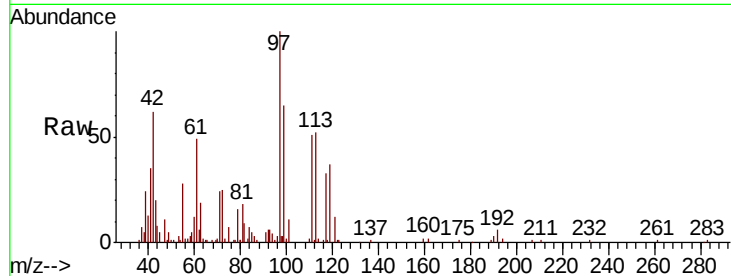
Tot Ion: 42 Resp: 41693

Ion Ratio Lower Upper

42 100

72 45.7 33.6 50.4

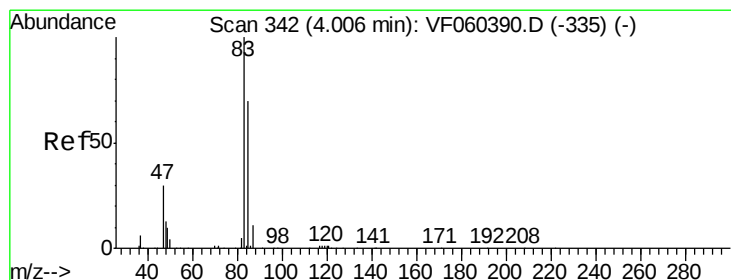
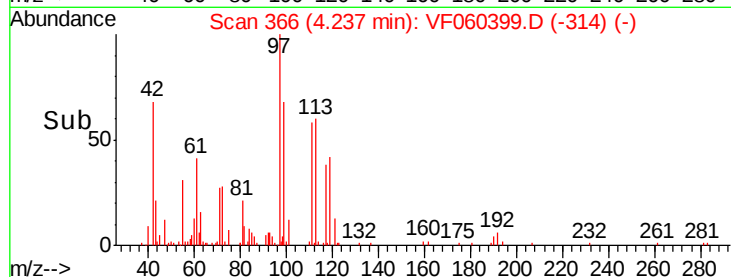
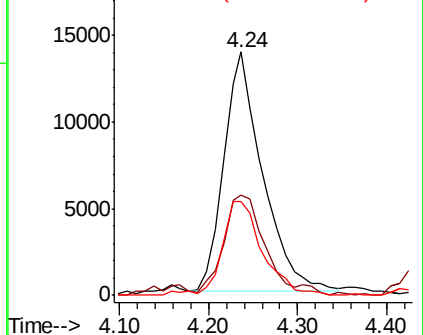
71 41.7 32.7 49.1



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: 20.940 ug/l

RT: 4.02 min Scan# 344

Delta R.T. 0.01 min

Lab File: VF060399.D

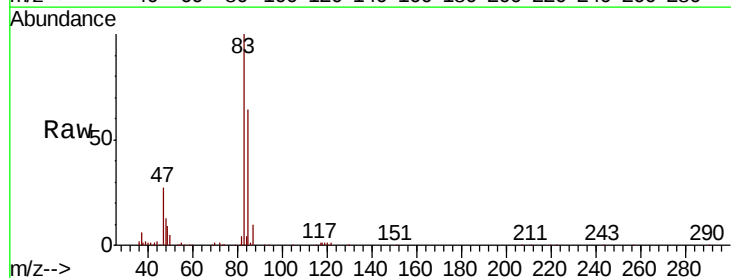
Acq: 2 Oct 2018 13:49

Tgt Ion: 83 Resp: 159548

Ion Ratio Lower Upper

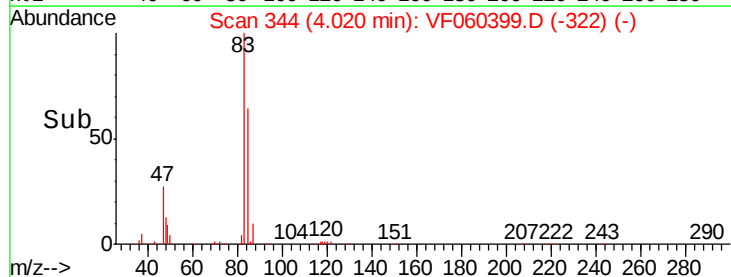
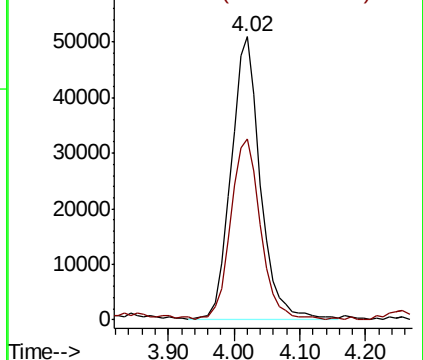
83 100

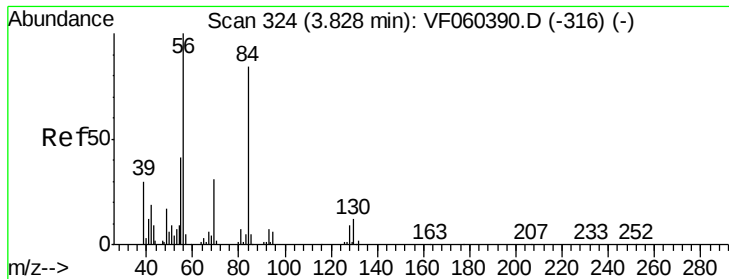
85 64.1 55.9 83.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

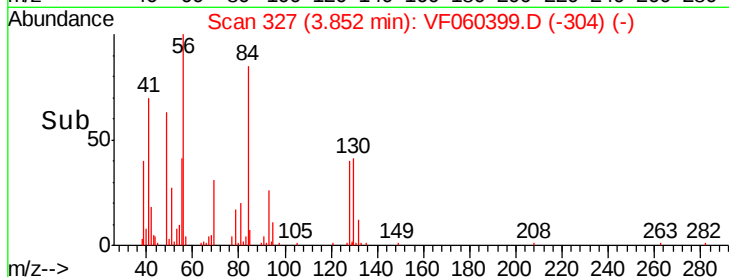
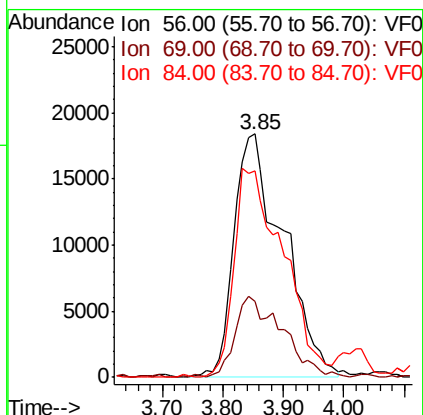
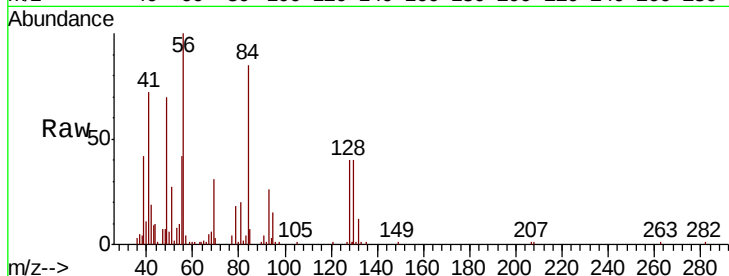




#31
Cyclohexane
Concen: 23.375 ug/l
RT: 3.85 min Scan# 327
Delta R.T. 0.02 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

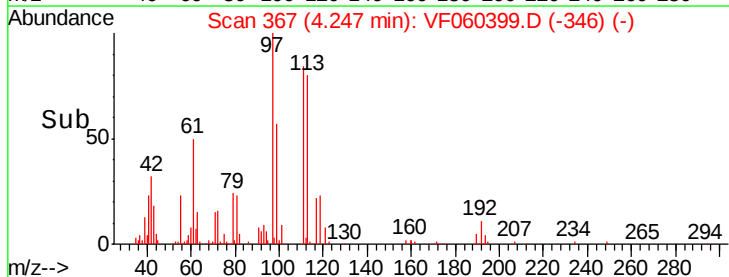
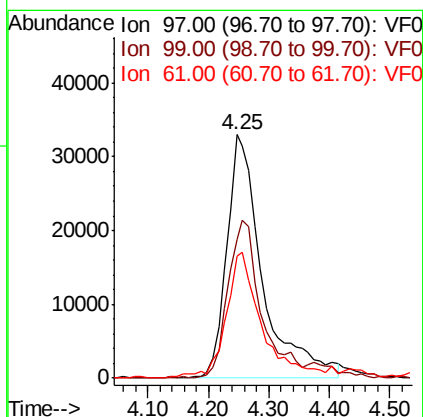
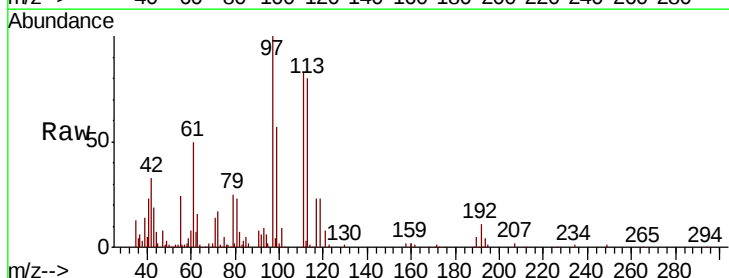
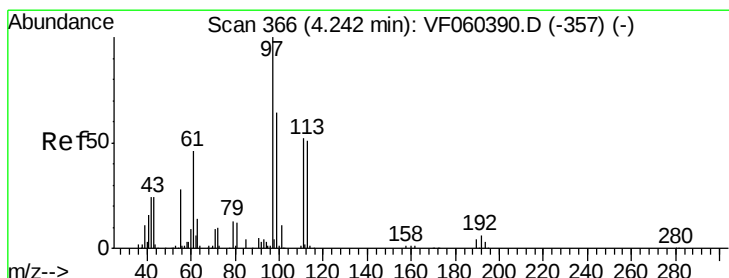
Instrument :
MSVOA_F
ClientSampleId :
VF1002SBSD01

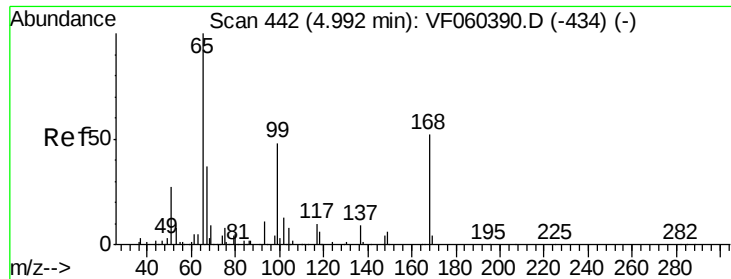
Tot Ion: 56 Resp: 103643
Ion Ratio Lower Upper
56 100
69 31.3 25.5 38.3
84 84.9 67.4 101.0



#32
1,1,1-Trichloroethane
Concen: 21.398 ug/l
RT: 4.25 min Scan# 367
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Tgt Ion: 97 Resp: 135672
Ion Ratio Lower Upper
97 100
99 57.1 51.0 76.4
61 50.2 37.5 56.3





#33

1,2-Dichloroethane-d4

Concen: 48.923 ug/l

RT: 5.00 min Scan# 443

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

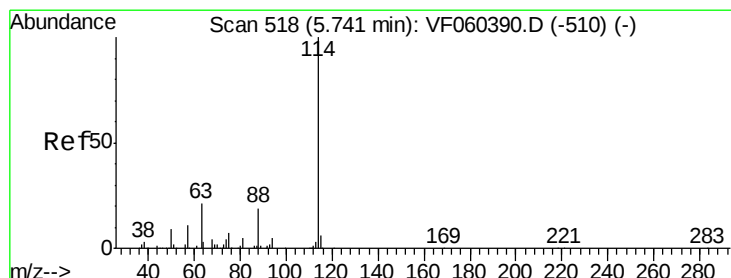
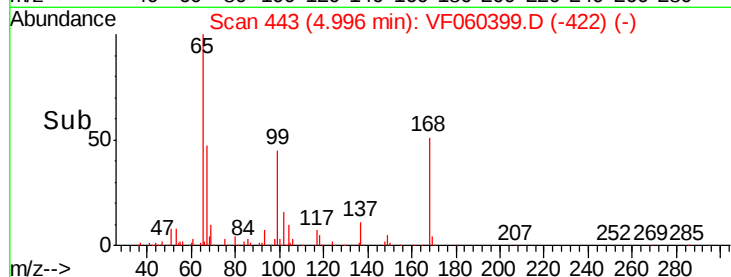
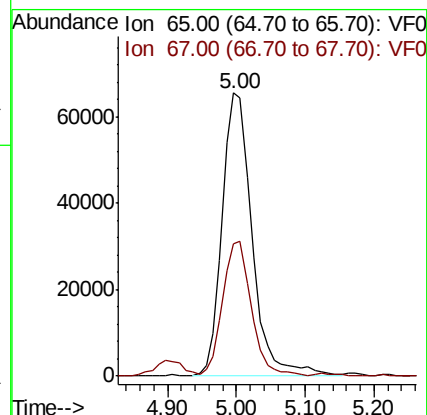
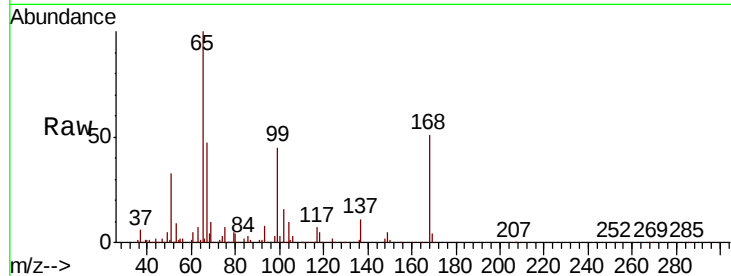
VF1002SBSD01

Tot Ion: 65 Resp: 198134

Ion Ratio Lower Upper

65 100

67 47.0 0.0 89.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.74 min Scan# 519

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

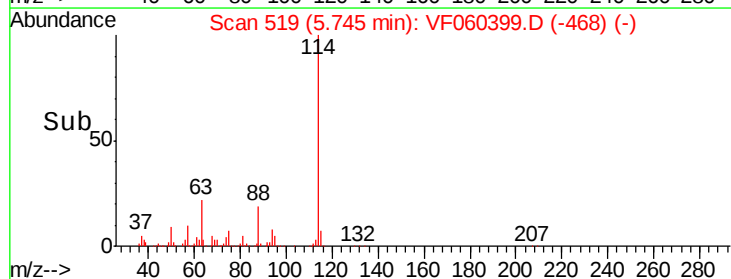
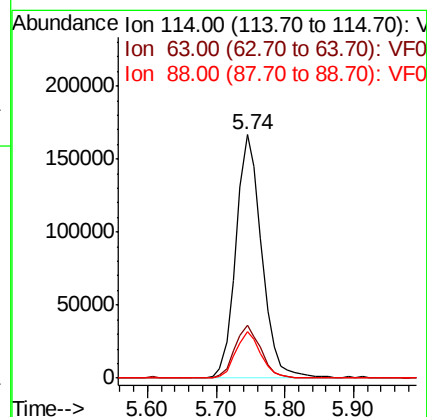
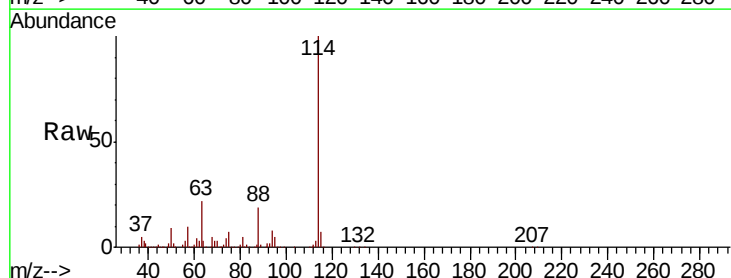
Tgt Ion: 114 Resp: 433136

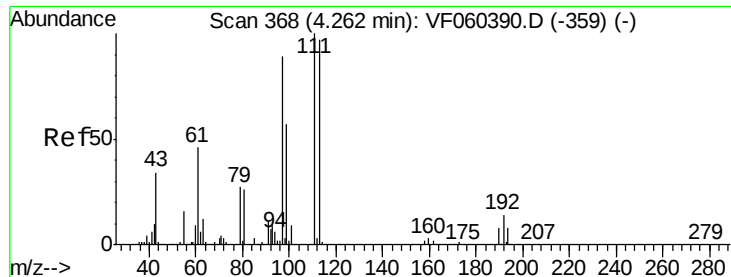
Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.2

88 19.3 0.0 38.8





#35

Dibromofluoromethane

Concen: 49.698 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBSD01

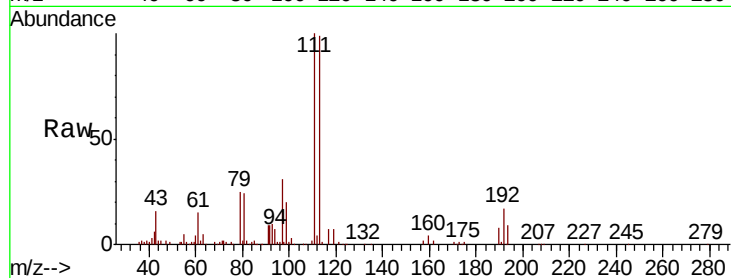
Tot Ion:113 Resp: 202223

Ion Ratio Lower Upper

113 100

111 101.5 82.3 123.5

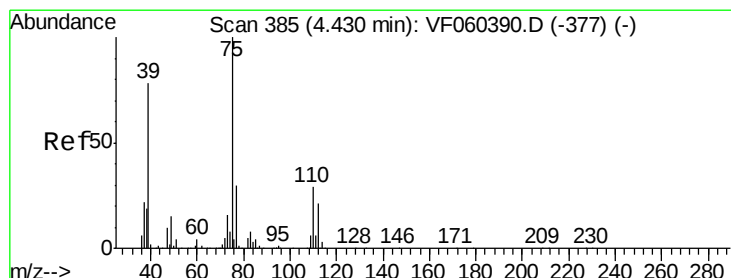
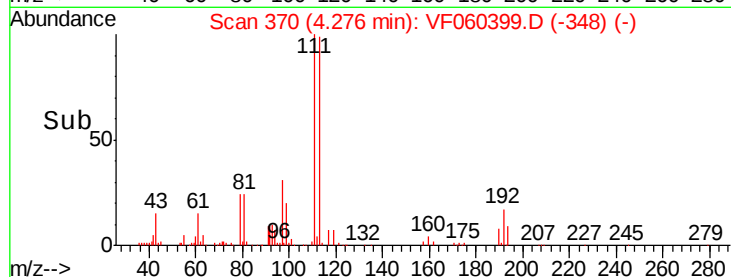
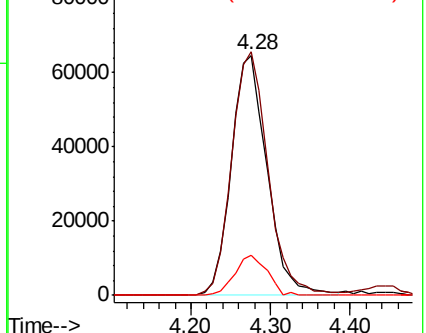
192 16.8 11.8 17.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 20.587 ug/l

RT: 4.44 min Scan# 387

Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

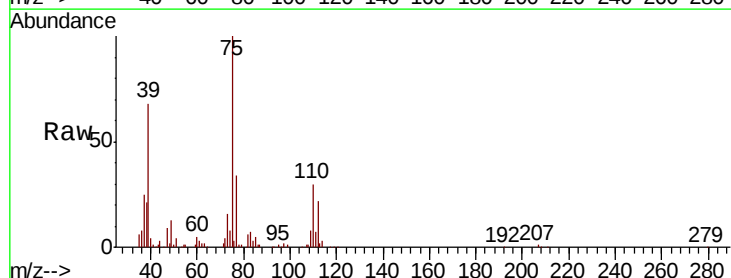
Tgt Ion: 75 Resp: 109939

Ion Ratio Lower Upper

75 100

110 29.6 14.5 43.6

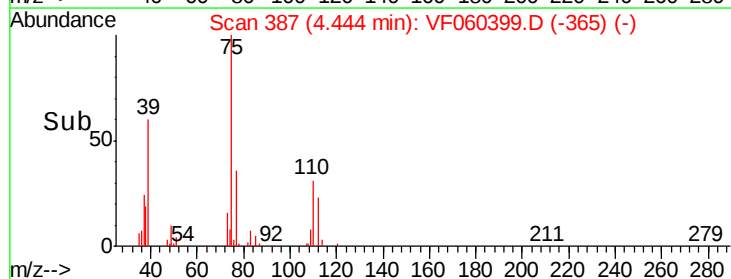
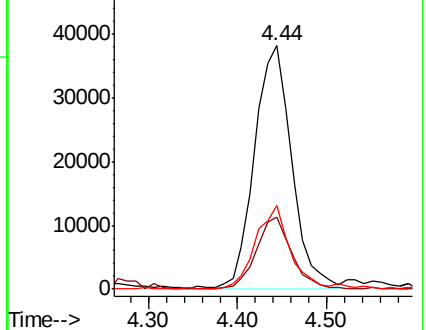
77 34.2 24.3 36.5

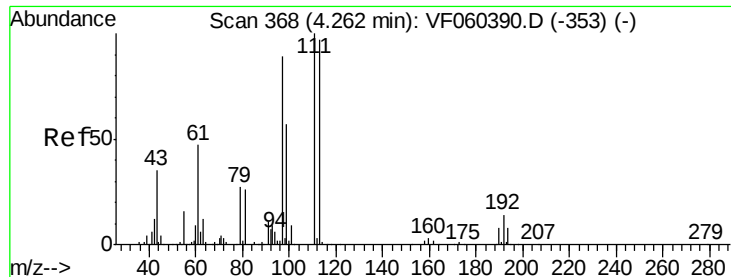


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 20.169 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBSD01

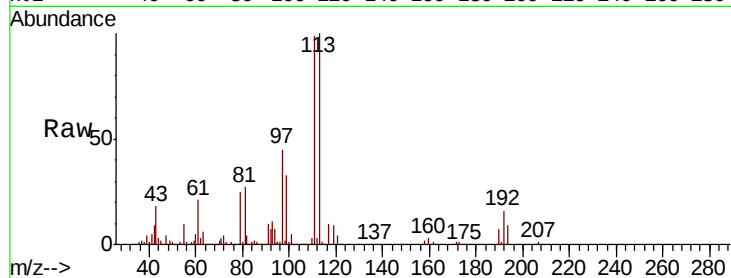
Tot Ion: 43 Resp: 41246

Ion Ratio Lower Upper

43 100

61 114.2 105.1 157.7

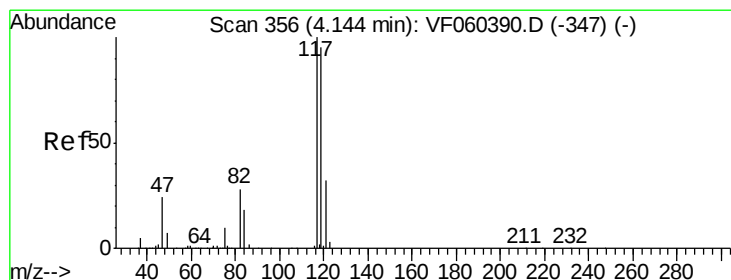
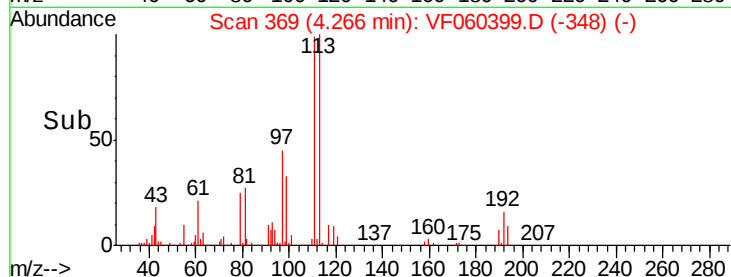
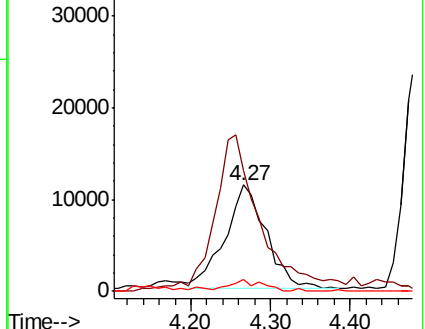
70 11.2 8.0 12.0



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: 23.184 ug/l

RT: 4.15 min Scan# 357

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

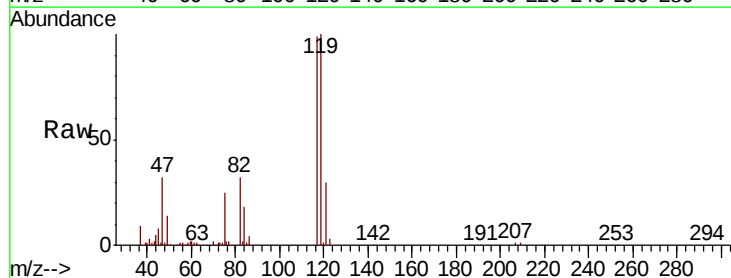
Tgt Ion: 117 Resp: 150702

Ion Ratio Lower Upper

117 100

119 100.8 75.5 113.3

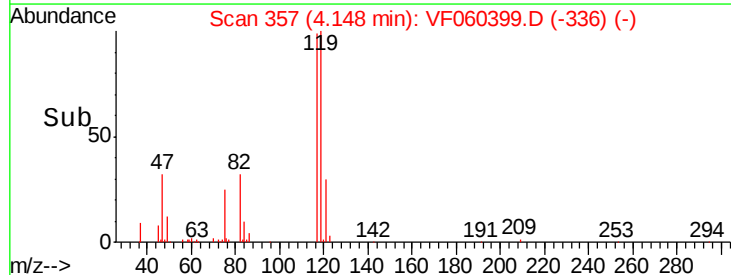
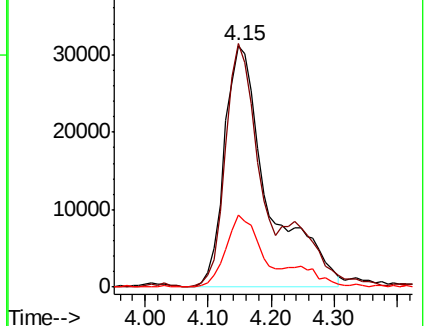
121 30.0 25.4 38.0

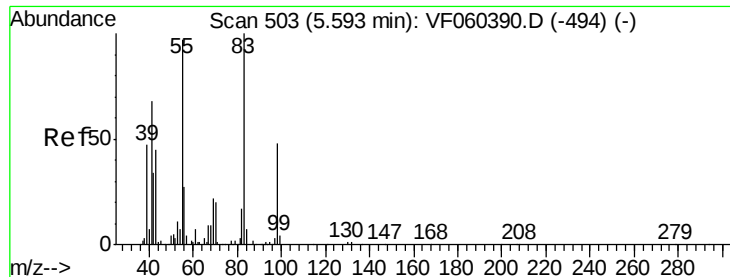


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#39

Methylcyclohexane

Concen: 21.968 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBSD01

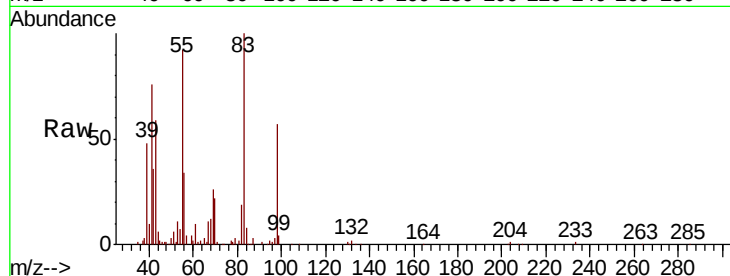
Tot Ion: 83 Resp: 115006

Ion Ratio Lower Upper

83 100

55 92.4 77.5 116.3

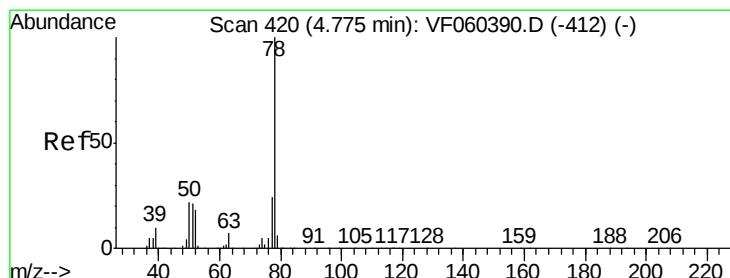
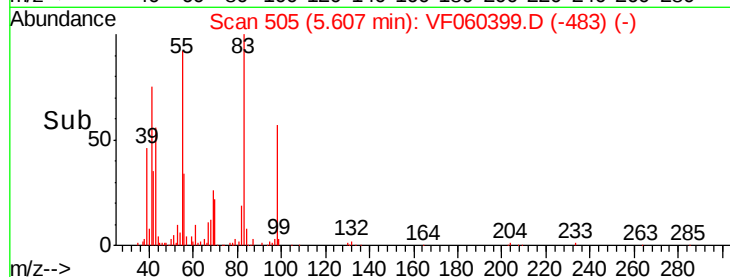
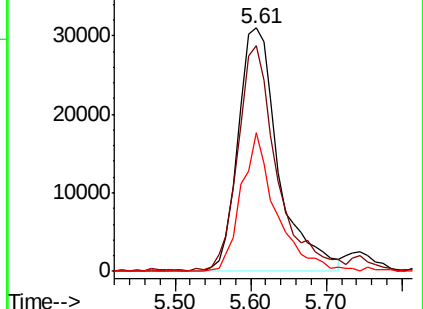
98 56.9 38.7 58.1



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: 21.975 ug/l

RT: 4.79 min Scan# 422

Delta R.T. 0.01 min

Lab File: VF060399.D

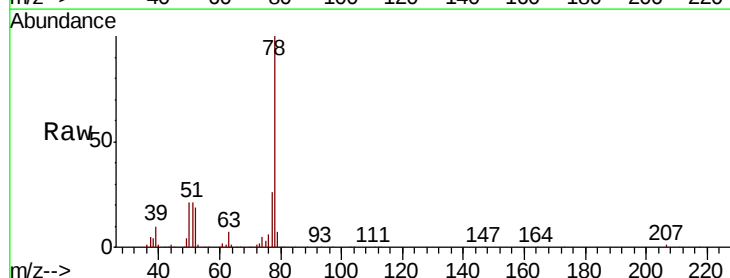
Acq: 2 Oct 2018 13:49

Tgt Ion: 78 Resp: 232968

Ion Ratio Lower Upper

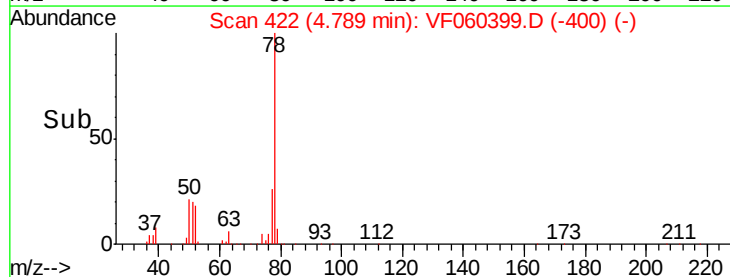
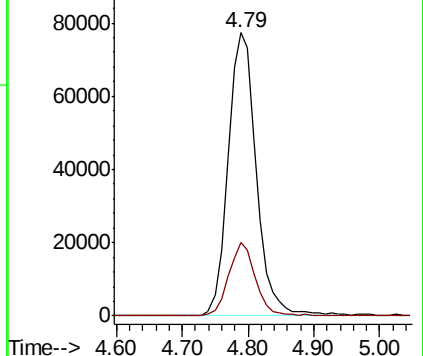
78 100

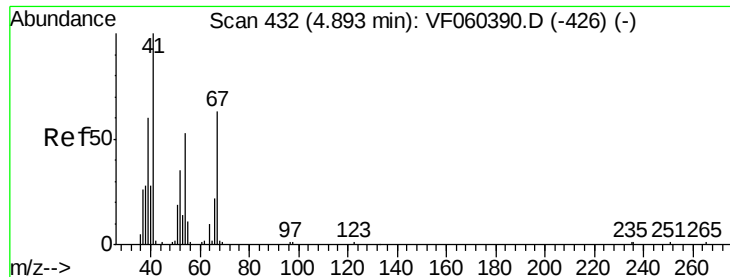
77 25.8 19.2 28.8



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

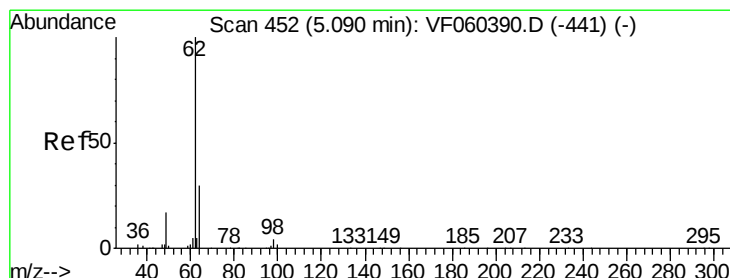
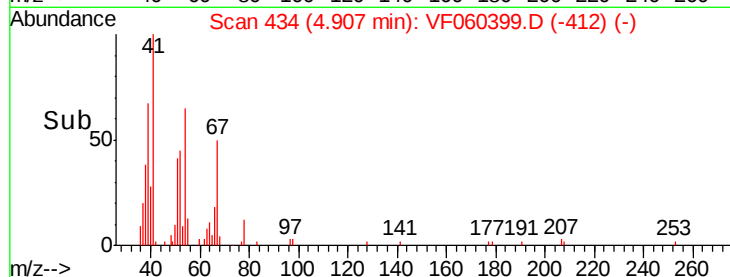
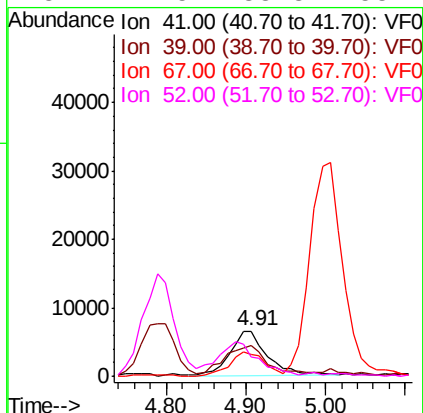
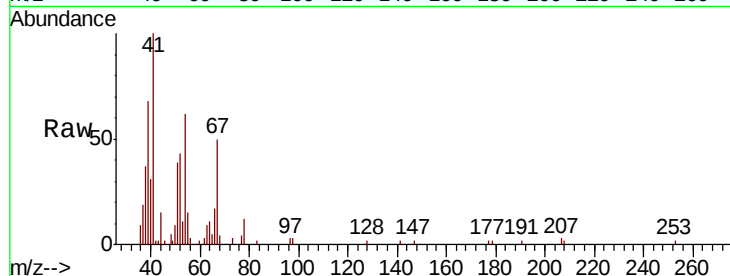




#41
Methacrylonitrile
Concen: 19.777 ug/l
RT: 4.91 min Scan# 434
Delta R.T. 0.01 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

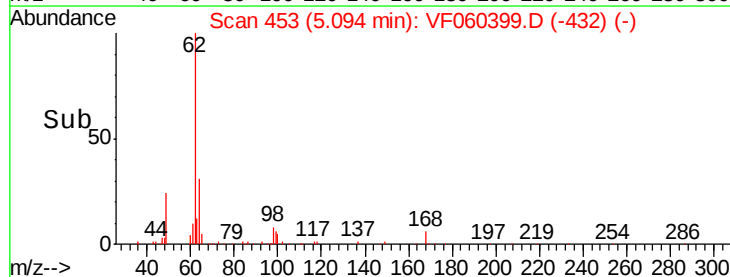
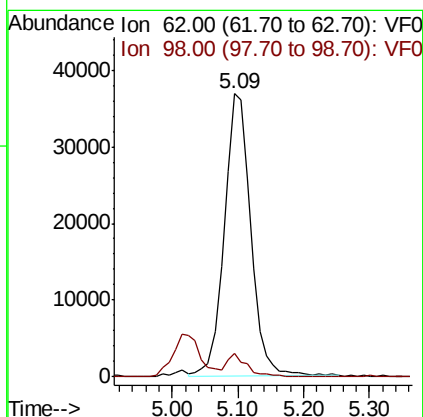
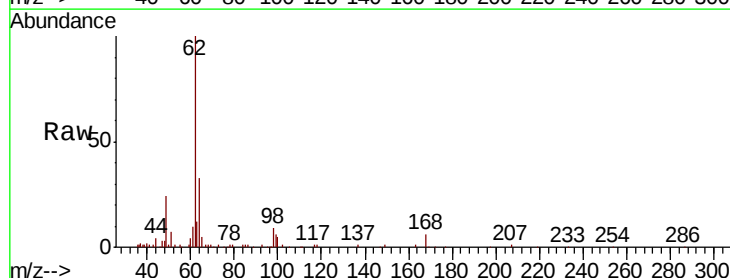
Instrument :
MSVOA_F
ClientSampleId :
VF1002SBSD01

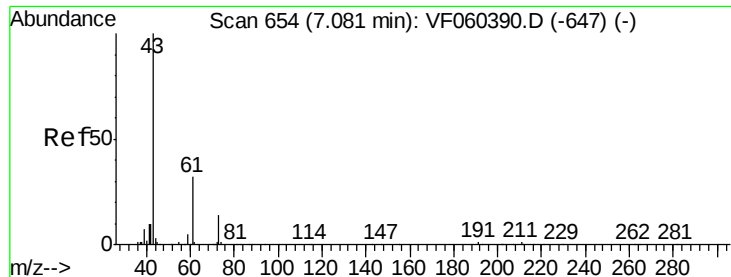
Tot Ion:	41	Resp:	21444
Ion	Ratio	Lower	Upper
41	100		
39	68.0	55.0	82.4
67	49.6	49.6	74.4
52	42.5	38.8	58.2



#42
1,2-Dichloroethane
Concen: 20.478 ug/l
RT: 5.09 min Scan# 453
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Tgt Ion:	62	Resp:	103569
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	11.2





#43

Isopropyl Acetate

Concen: 20.515 ug/l

RT: 7.10 min Scan# 656

Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBSD01

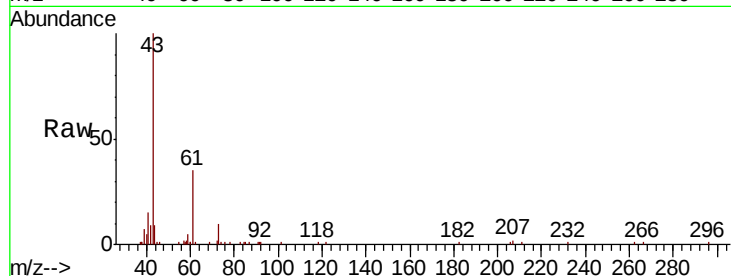
Tot Ion: 43 Resp: 50698

Ion Ratio Lower Upper

43 100

61 34.9 25.4 38.2

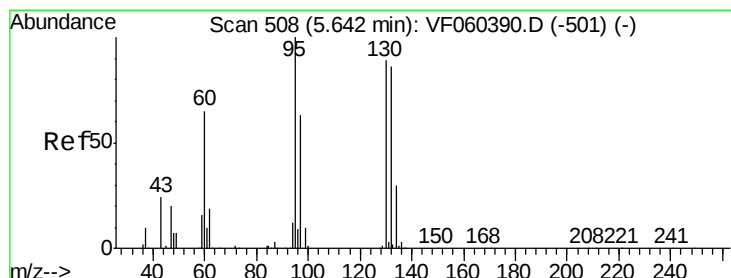
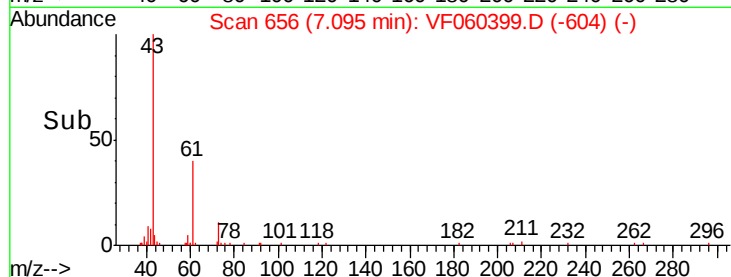
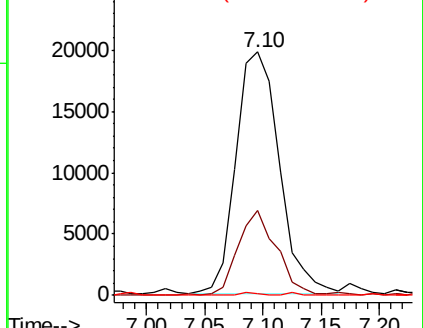
87 0.9 0.3 0.5#



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: 21.321 ug/l

RT: 5.66 min Scan# 510

Delta R.T. 0.01 min

Lab File: VF060399.D

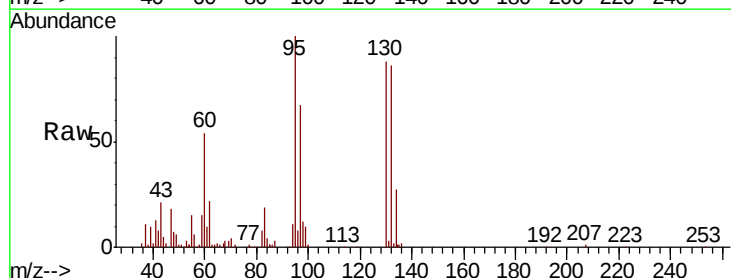
Acq: 2 Oct 2018 13:49

Tgt Ion:130 Resp: 72524

Ion Ratio Lower Upper

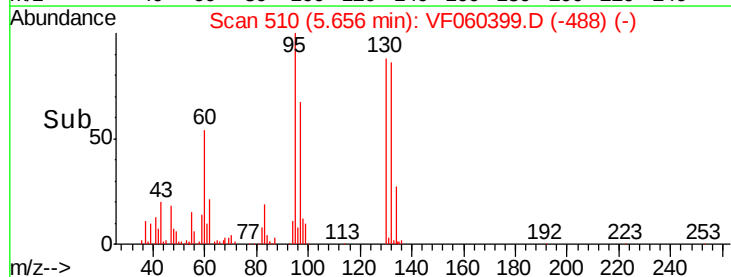
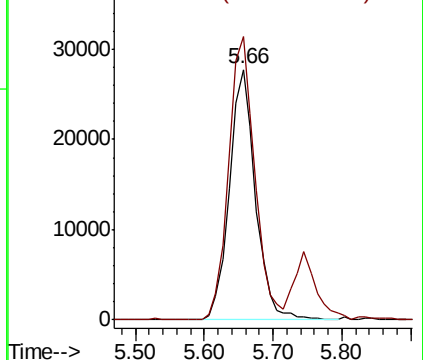
130 100

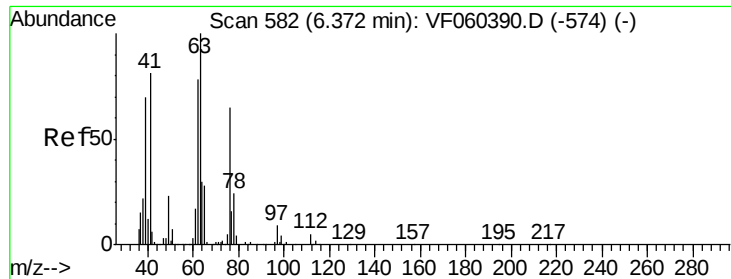
95 113.0 0.0 224.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.380 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

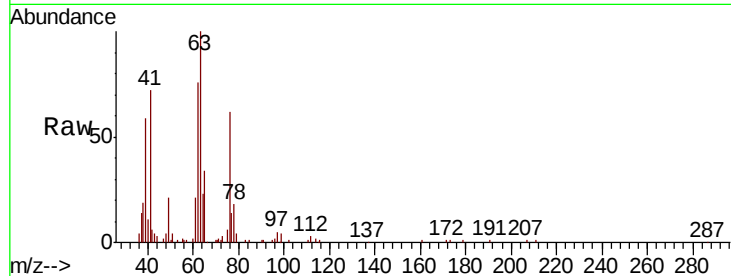
VF1002SBSD01

Tot Ion: 63 Resp: 60362

Ion Ratio Lower Upper

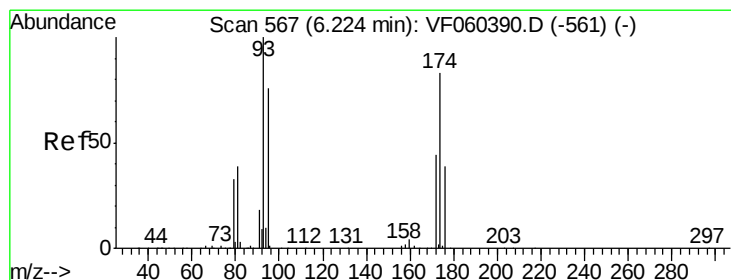
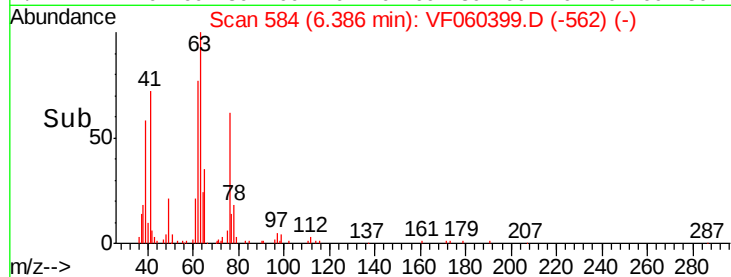
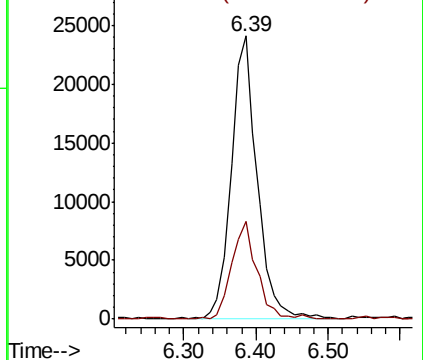
63 100

65 34.4 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: 18.448 ug/l

RT: 6.24 min Scan# 569

Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

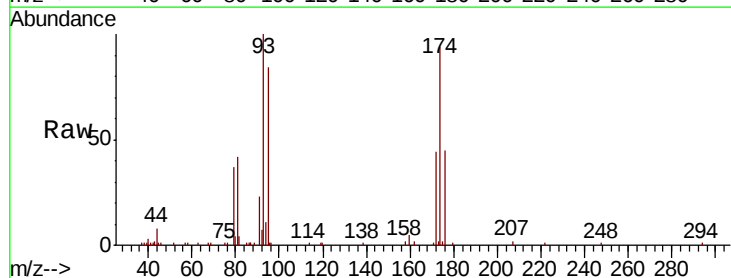
Tgt Ion: 93 Resp: 41876

Ion Ratio Lower Upper

93 100

95 85.5 61.1 91.7

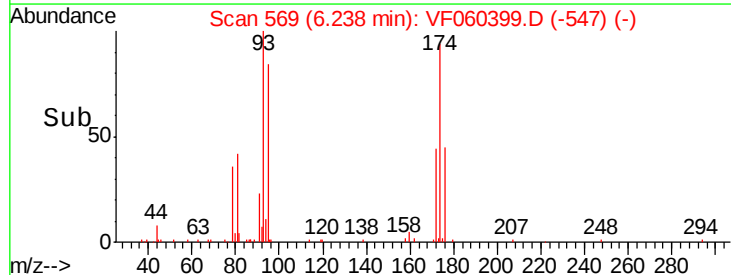
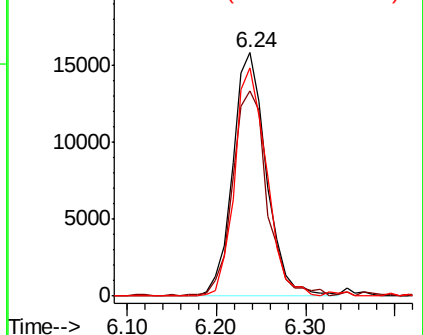
174 93.6 66.7 100.1

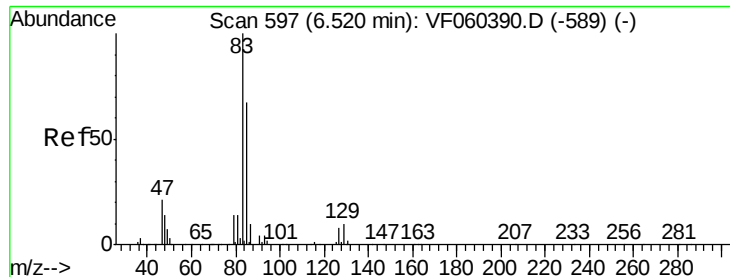


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 20.827 ug/l

RT: 6.52 min Scan# 598

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBSD01

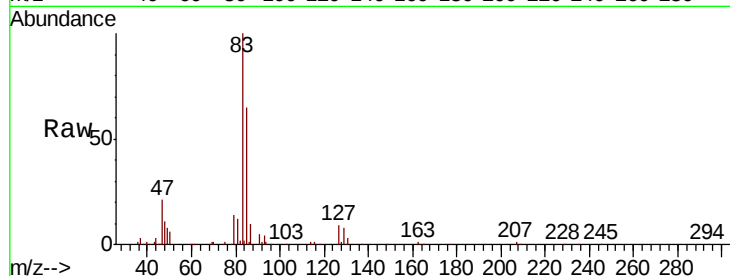
Tot Ion: 83 Resp: 117087

Ion Ratio Lower Upper

83 100

85 65.4 53.2 79.8

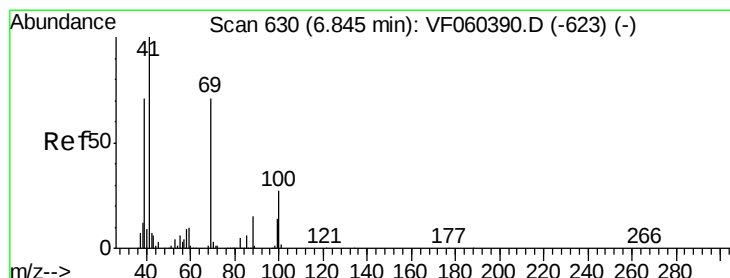
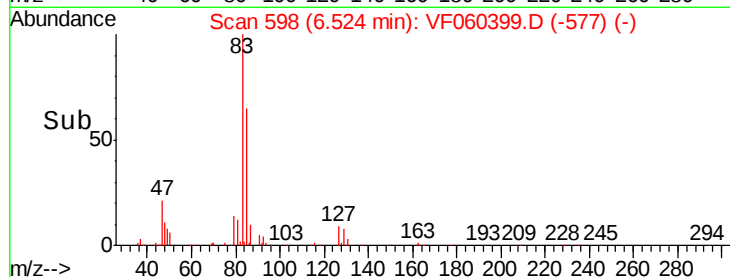
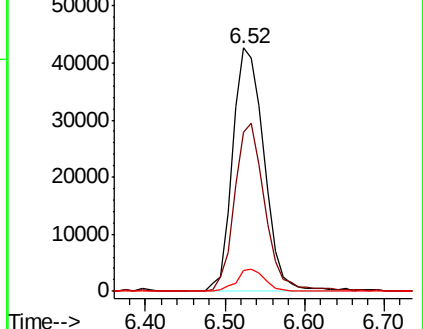
127 9.4 6.6 9.8



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: 18.254 ug/l

RT: 6.86 min Scan# 632

Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

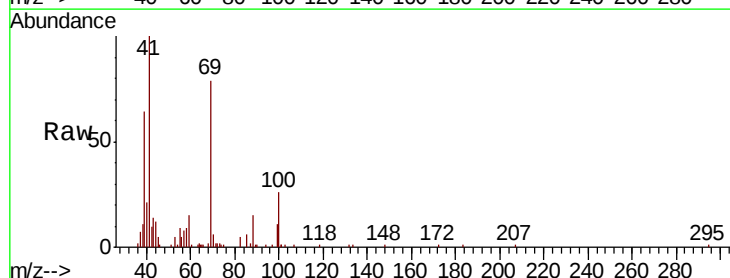
Tgt Ion: 41 Resp: 32382

Ion Ratio Lower Upper

41 100

69 79.2 56.3 84.5

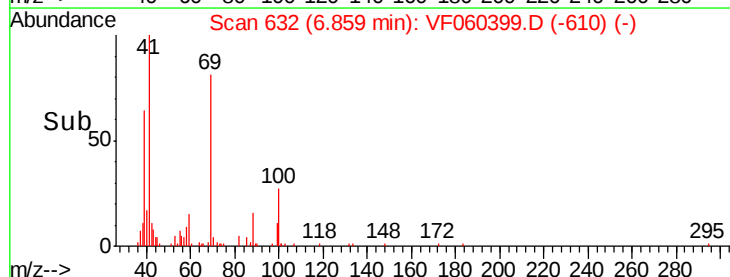
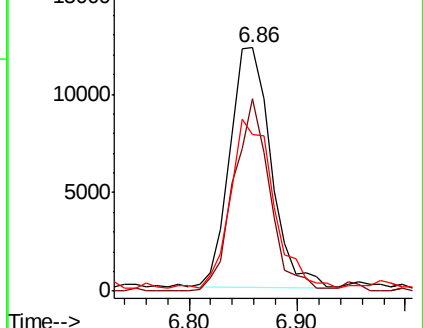
39 64.4 56.9 85.3

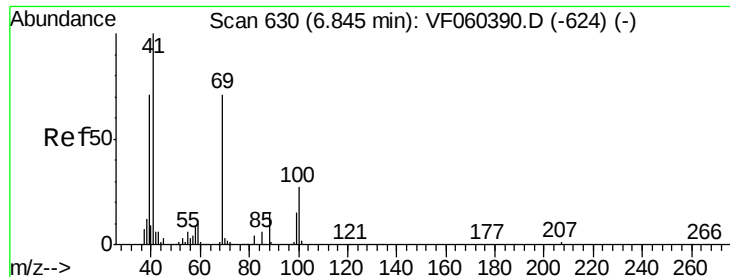


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 434.173 ug/l

RT: 6.85 min Scan# 631

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBSD01

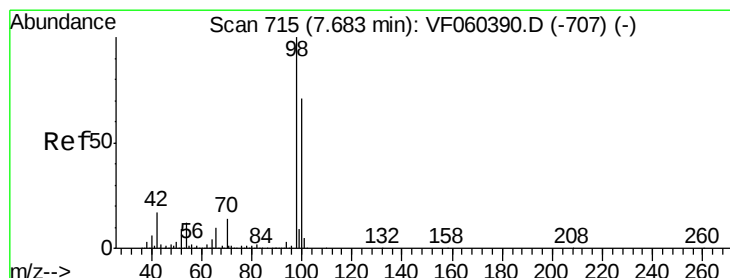
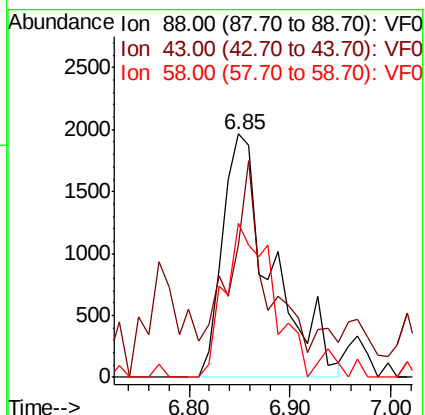
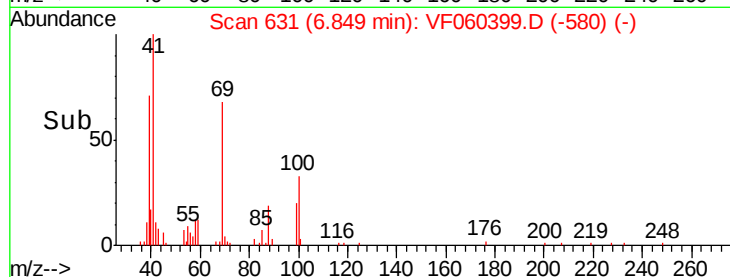
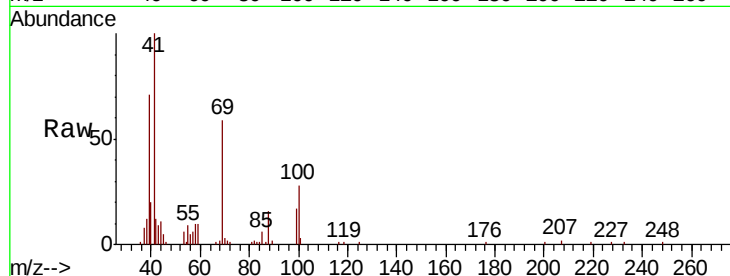
Tot Ion: 88 Resp: 6641

Ion Ratio Lower Upper

88 100

43 54.1 38.3 57.5

58 63.1 47.4 71.2



#50

Toluene-d8

Concen: 49.514 ug/l

RT: 7.69 min Scan# 716

Delta R.T. 0.00 min

Lab File: VF060399.D

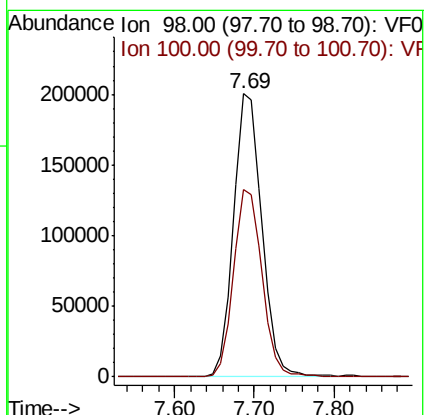
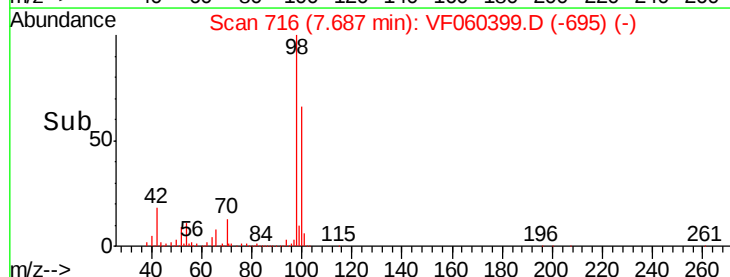
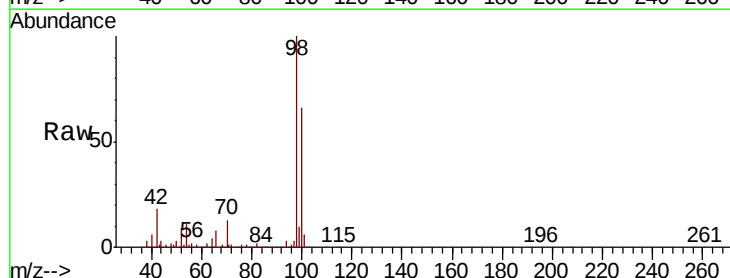
Acq: 2 Oct 2018 13:49

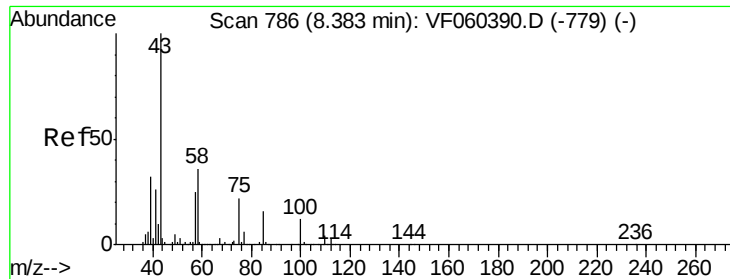
Tgt Ion: 98 Resp: 496192

Ion Ratio Lower Upper

98 100

100 66.2 56.5 84.7





#51

4-Methyl-2-Pentanone

Concen: 111.266 ug/l

RT: 8.39 min Scan# 787

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

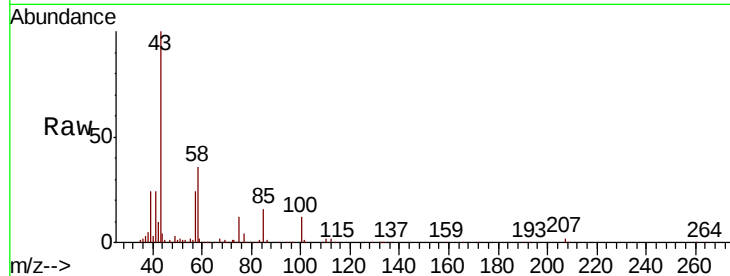
VF1002SBSD01

Tot Ion: 43 Resp: 195739

Ion Ratio Lower Upper

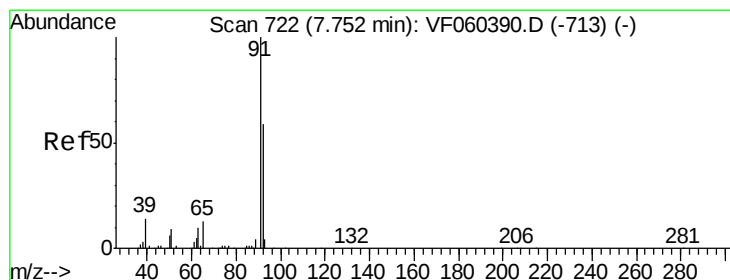
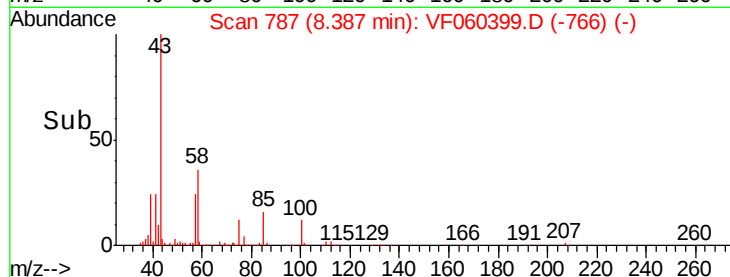
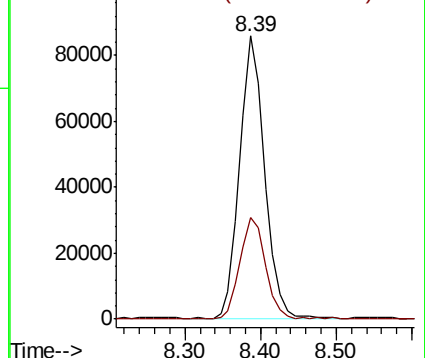
43 100

58 36.0 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.014 ug/l

RT: 7.77 min Scan# 724

Delta R.T. 0.01 min

Lab File: VF060399.D

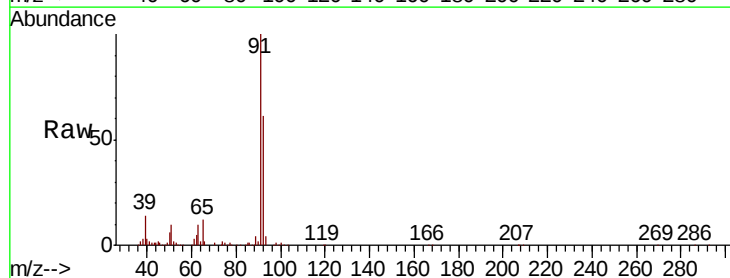
Acq: 2 Oct 2018 13:49

Tgt Ion: 92 Resp: 144117

Ion Ratio Lower Upper

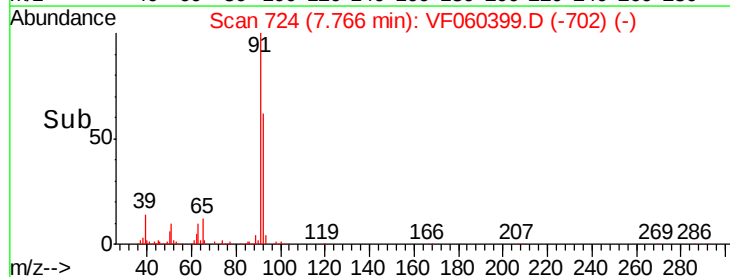
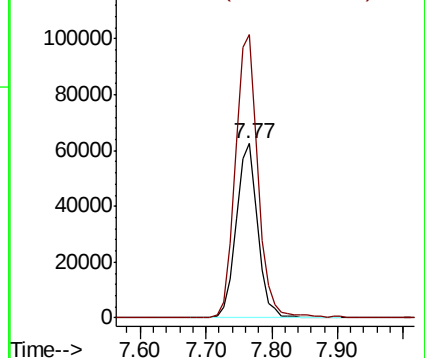
92 100

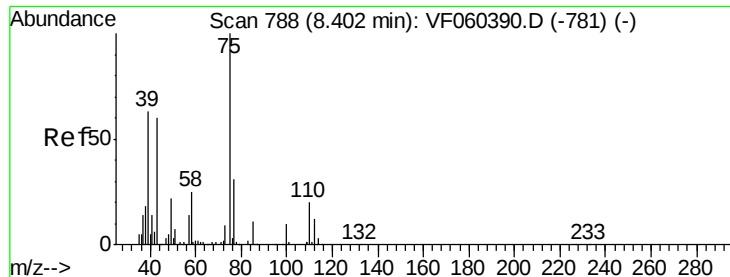
91 162.6 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 20.696 ug/l

RT: 8.41 min Scan# 789

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

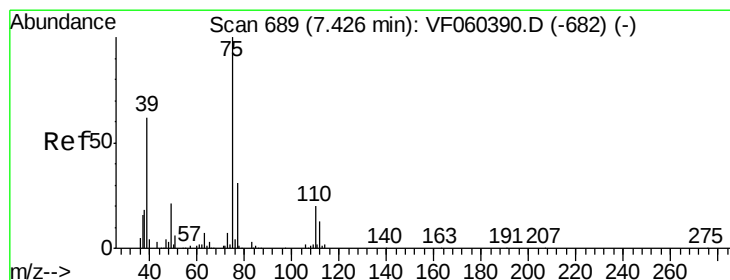
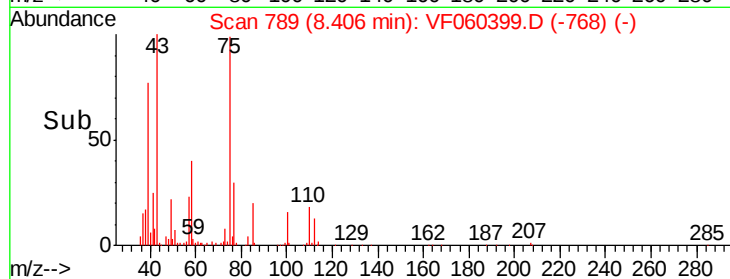
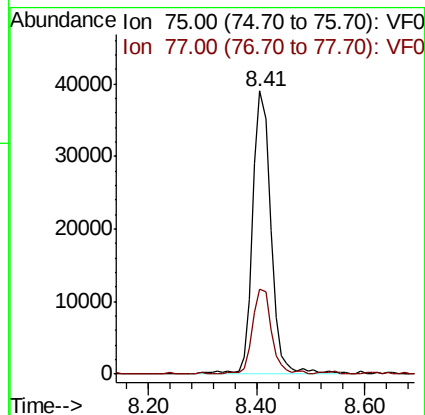
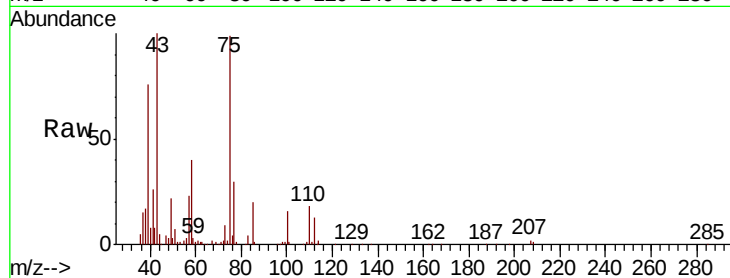
VF1002SBSD01

Tot Ion: 75 Resp: 91181

Ion Ratio Lower Upper

75 100

77 30.0 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 19.491 ug/l

RT: 7.44 min Scan# 691

Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

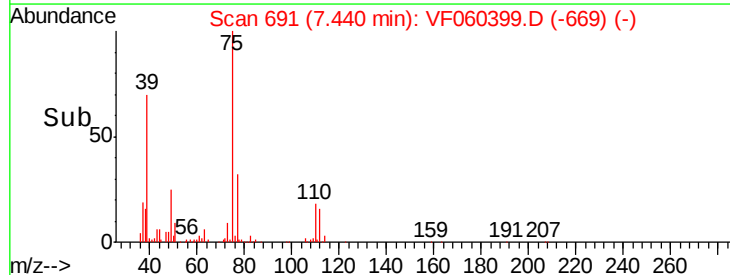
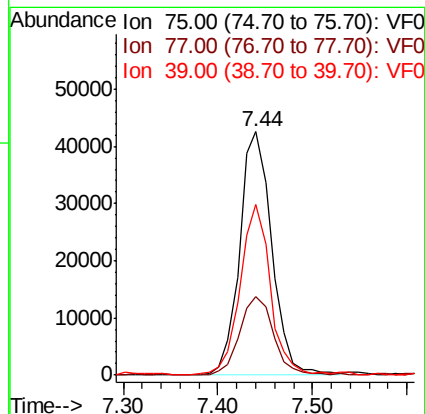
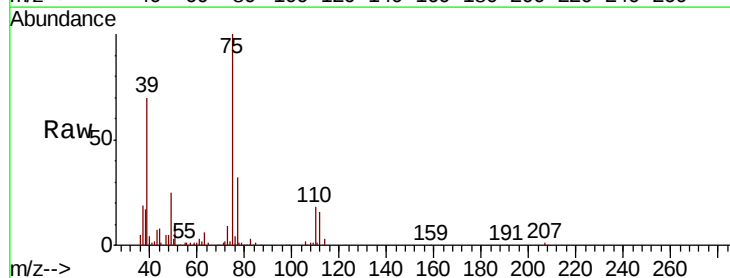
Tgt Ion: 75 Resp: 100362

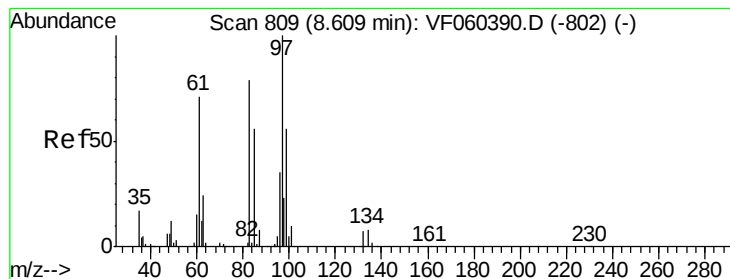
Ion Ratio Lower Upper

75 100

77 32.4 25.2 37.8

39 69.9 49.7 74.5





#55

1,1,2-Trichloroethane

Concen: 18.958 ug/l

RT: 8.61 min Scan# 810

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBSD01

Tot Ion: 97 Resp: 43271

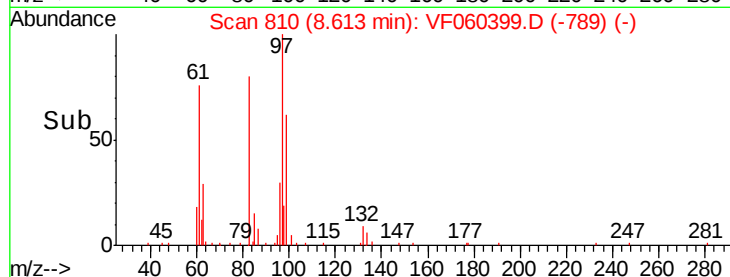
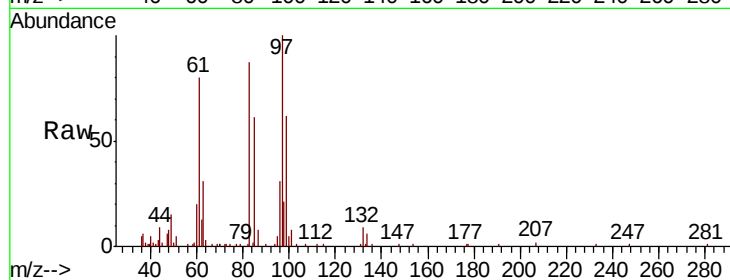
Ion	Ratio	Lower	Upper
97	100		
83	87.4	63.4	95.0
85	60.9	44.5	66.7
99	61.8	45.1	67.7

97 100

83 87.4 63.4 95.0

85 60.9 44.5 66.7

99 61.8 45.1 67.7



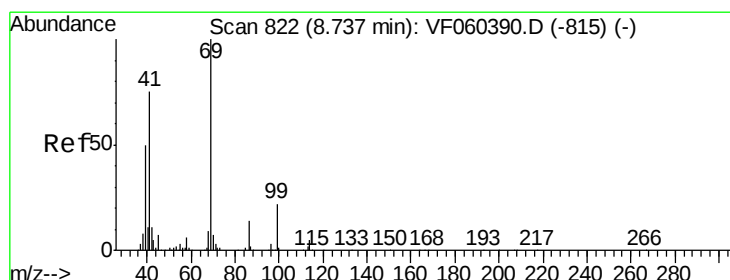
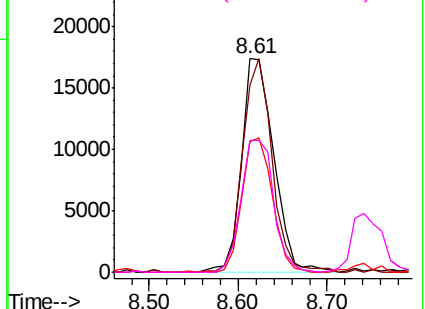
Abundance

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: 20.463 ug/l

RT: 8.74 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

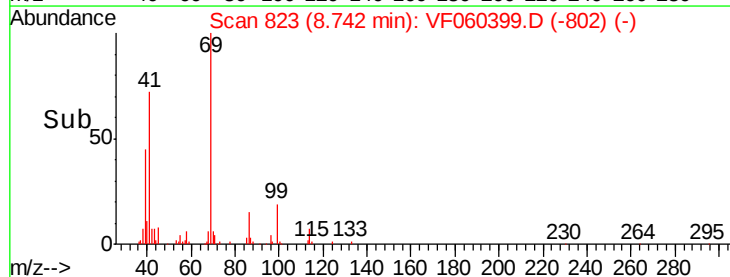
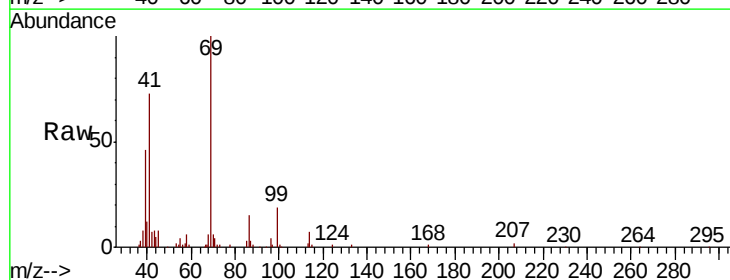
Tgt Ion: 69 Resp: 53071

Ion	Ratio	Lower	Upper
69	100		
41	72.5	60.2	90.4
39	46.3	40.2	60.2

69 100

41 72.5 60.2 90.4

39 46.3 40.2 60.2

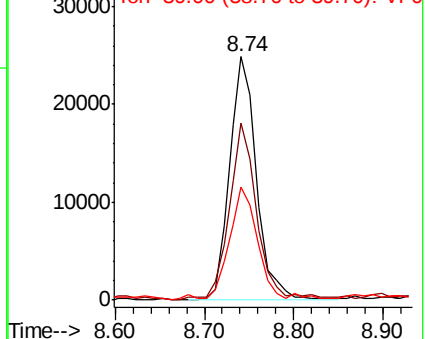


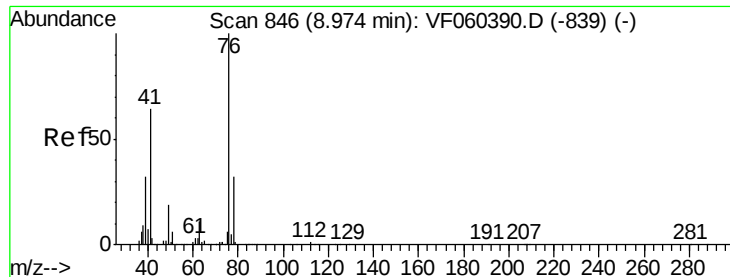
Abundance

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: 19.706 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

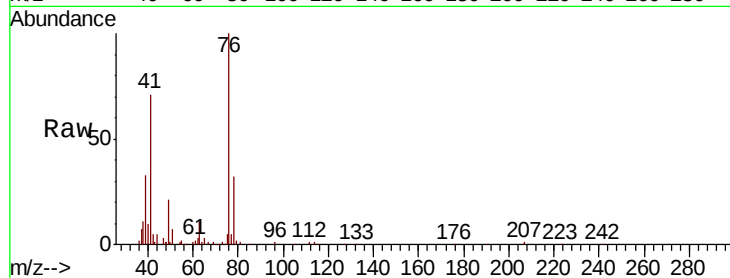
VF1002SBSD01

Tot Ion: 76 Resp: 76091

Ion Ratio Lower Upper

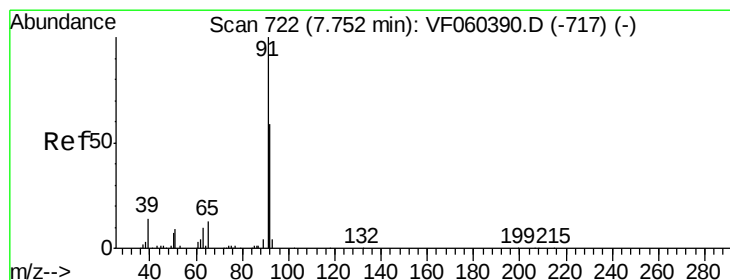
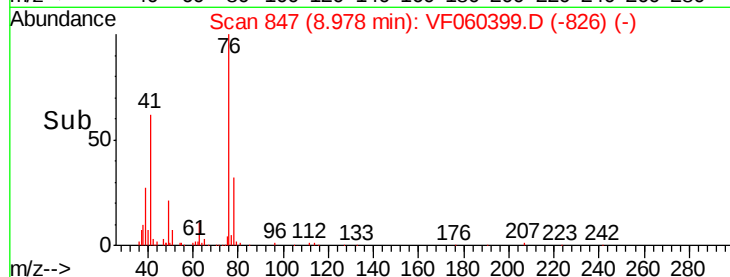
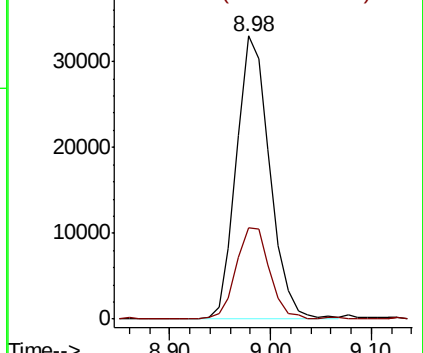
76 100

78 32.4 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: 93.738 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.00 min

Lab File: VF060399.D

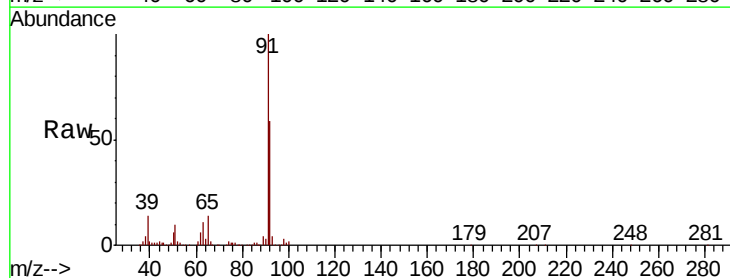
Acq: 2 Oct 2018 13:49

Tgt Ion: 63 Resp: 24833

Ion Ratio Lower Upper

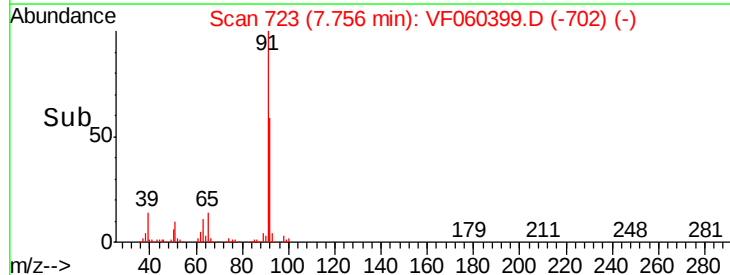
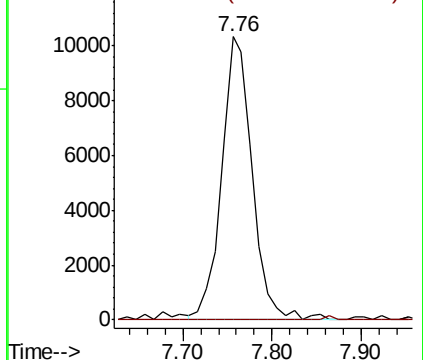
63 100

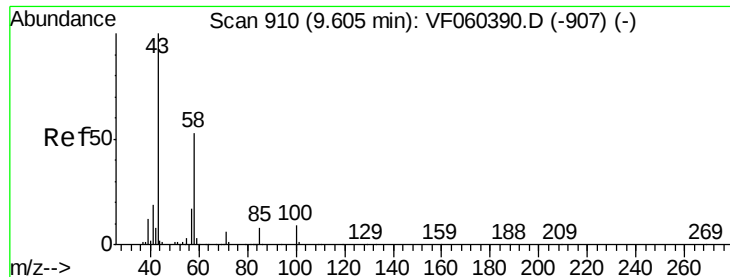
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

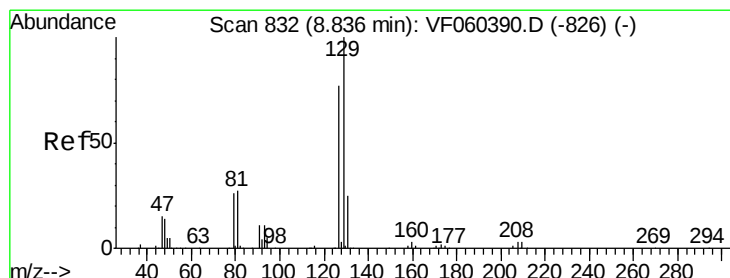
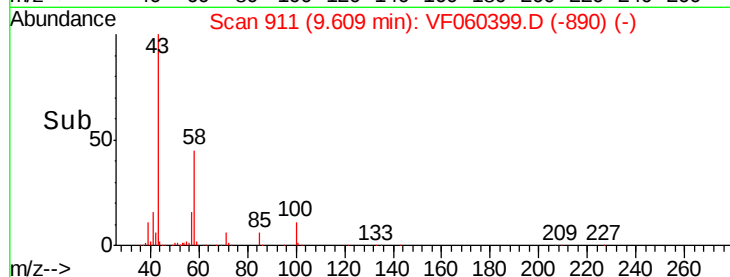
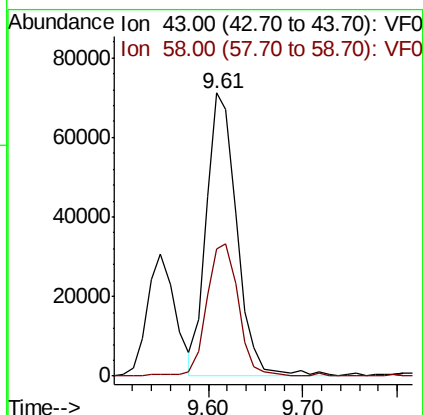
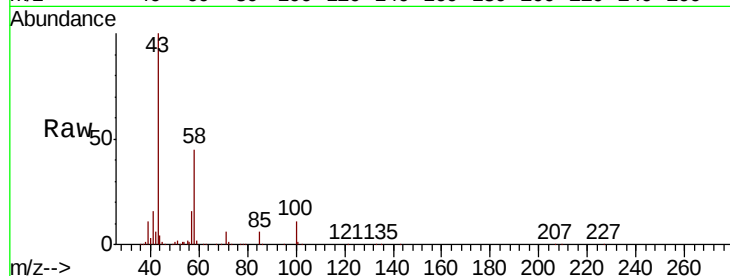




#59
2-Hexanone
Concen: 122.543 ug/l
RT: 9.61 min Scan# 911
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

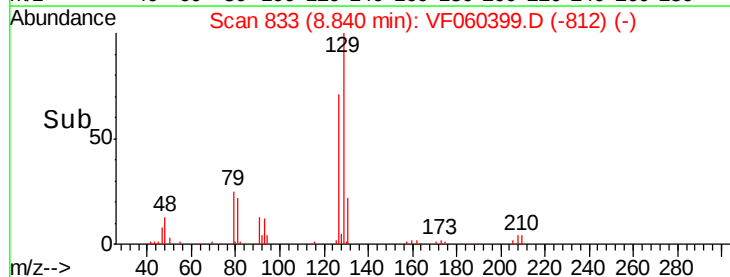
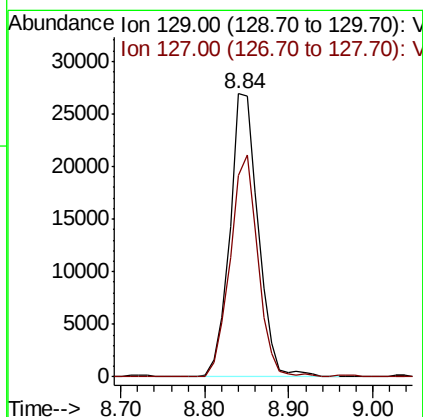
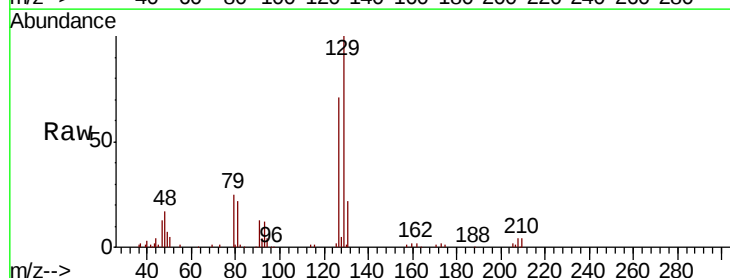
Instrument :
MSVOA_F
ClientSampleId :
VF1002SBSD01

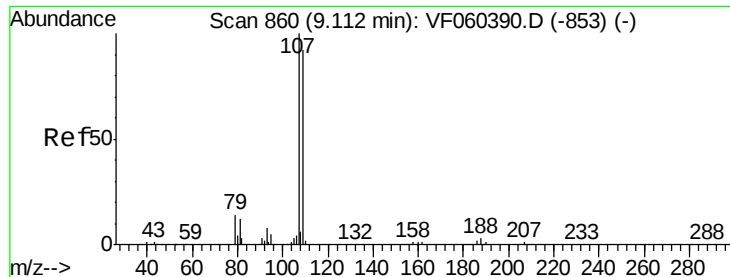
Tot Ion: 43 Resp: 158122
Ion Ratio Lower Upper
43 100
58 44.8 25.6 76.6



#60
Dibromochloromethane
Concen: 18.429 ug/l
RT: 8.84 min Scan# 833
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Tgt Ion: 129 Resp: 63331
Ion Ratio Lower Upper
129 100
127 71.2 38.3 114.8





#61

1,2-Dibromoethane

Concen: 19.383 ug/l

RT: 9.12 min Scan# 861

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

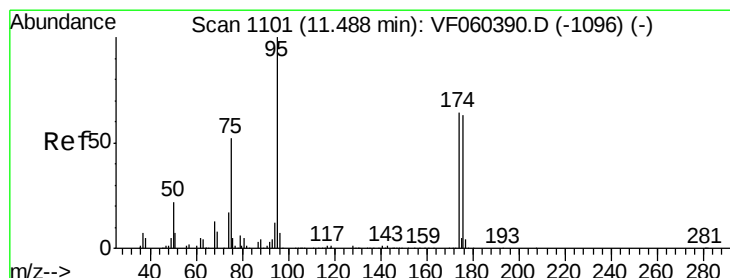
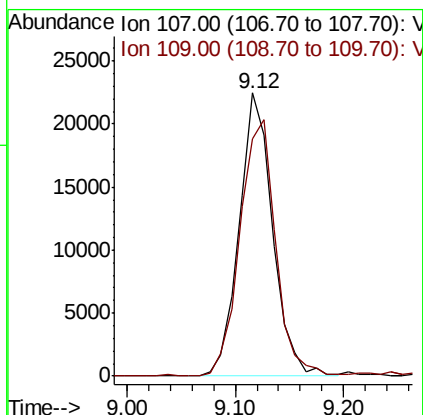
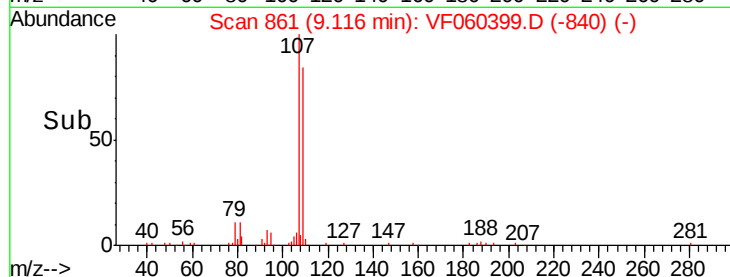
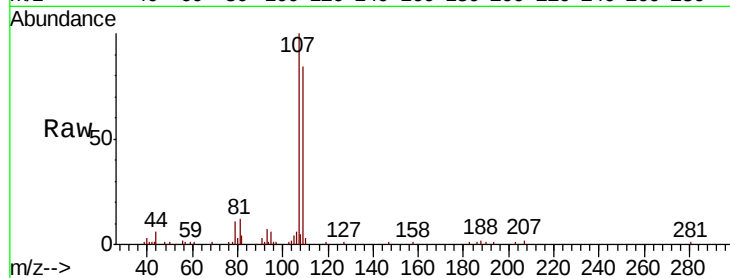
VF1002SBSD01

Tot Ion:107 Resp: 48408

Ion Ratio Lower Upper

107 100

109 83.9 73.7 110.5



#62

4-Bromofluorobenzene

Concen: 46.741 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

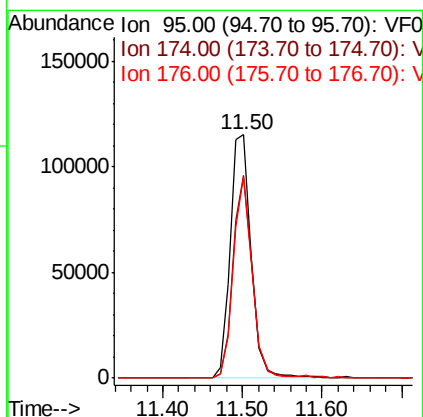
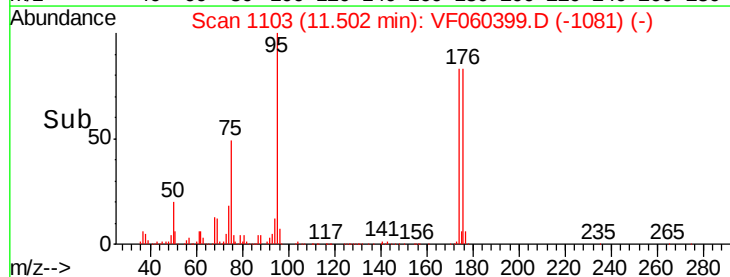
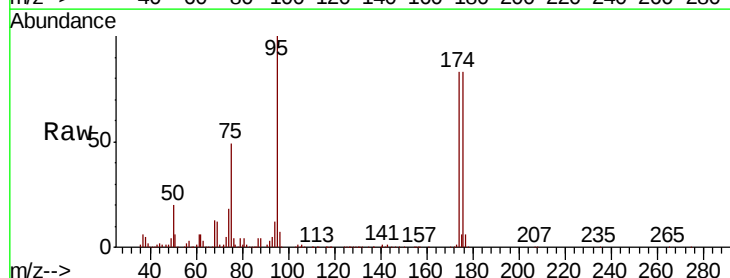
Tgt Ion: 95 Resp: 213871

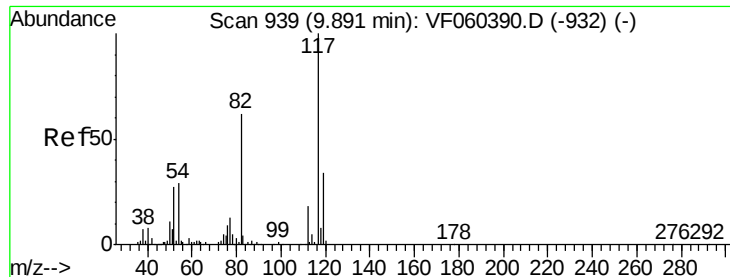
Ion Ratio Lower Upper

95 100

174 83.5 0.0 129.0

176 82.8 0.0 125.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 941

Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBSD01

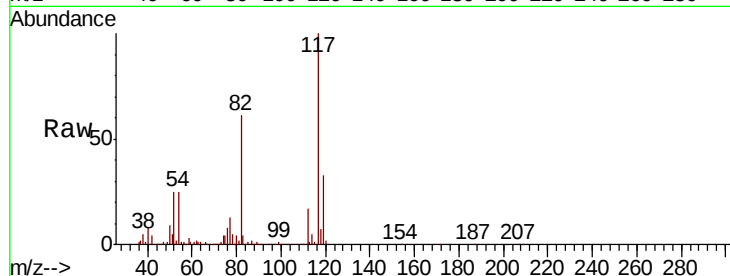
Tot Ion:117 Resp: 370997

Ion Ratio Lower Upper

117 100

82 60.5 49.5 74.3

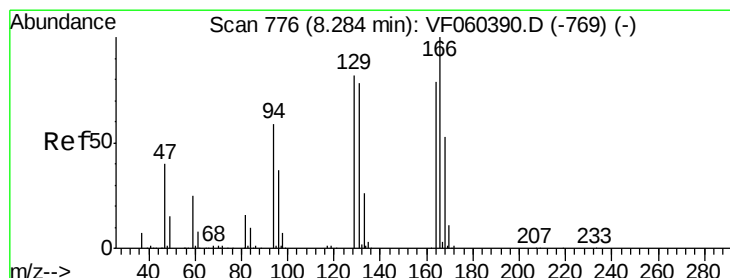
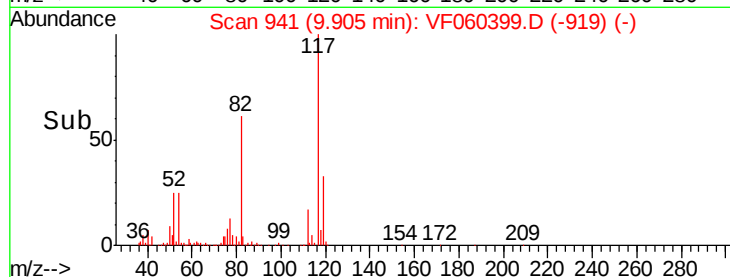
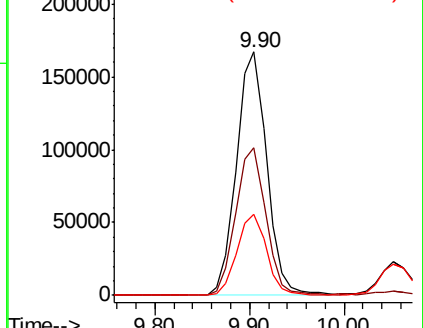
119 33.1 27.0 40.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 21.455 ug/l

RT: 8.29 min Scan# 777

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Tgt Ion:164 Resp: 63275

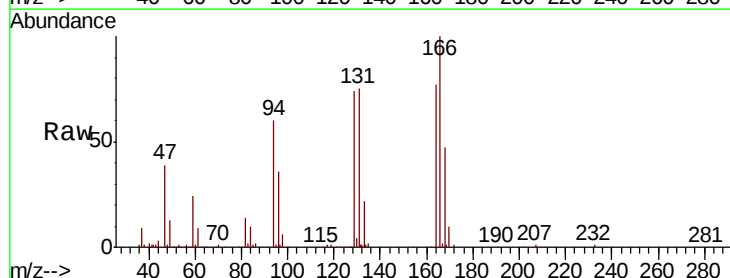
Ion Ratio Lower Upper

164 100

166 129.7 101.0 151.6

129 96.4 82.5 123.7

131 97.5 79.2 118.8

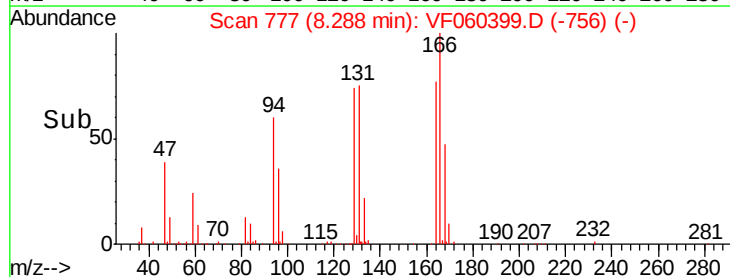
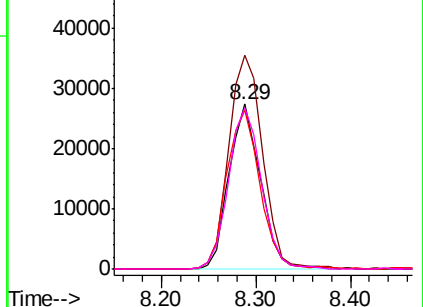


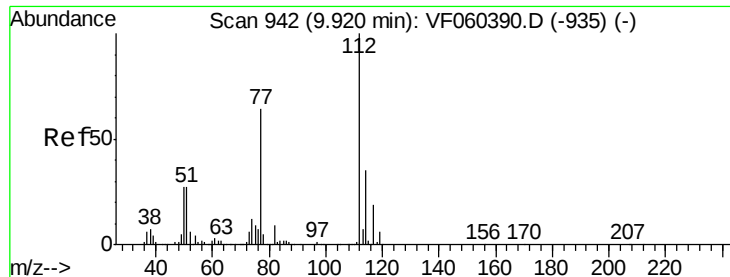
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

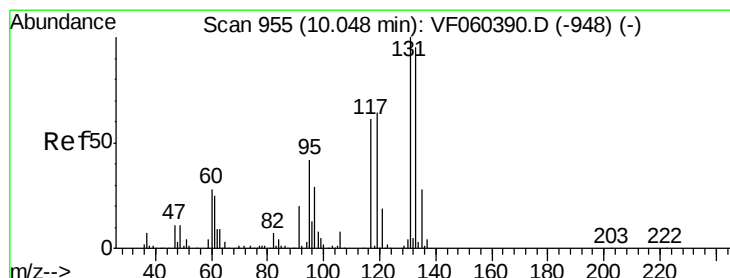
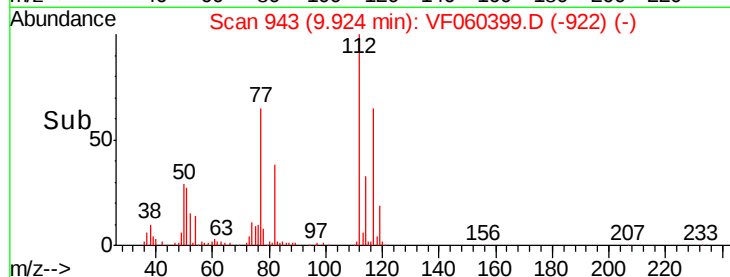
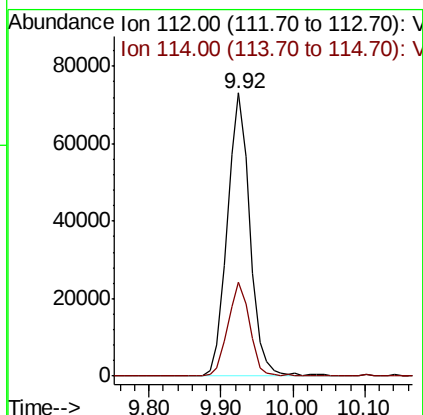
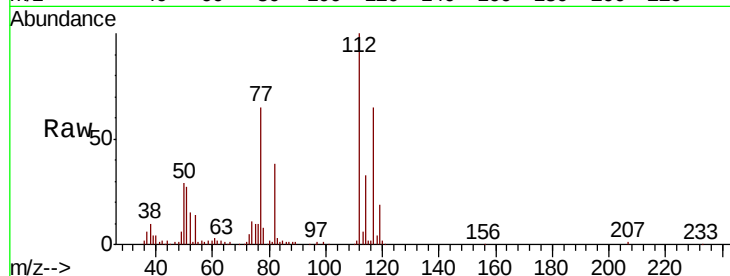




#65
Chlorobenzene
Concen: 20.901 ug/l
RT: 9.92 min Scan# 943
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

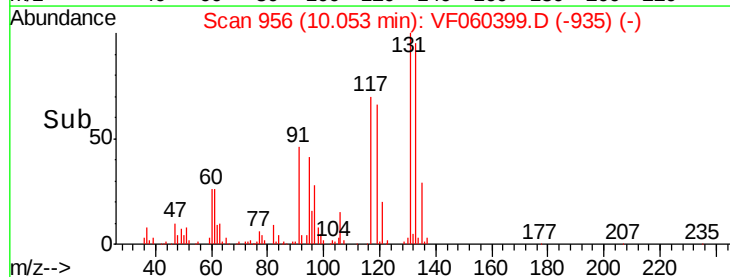
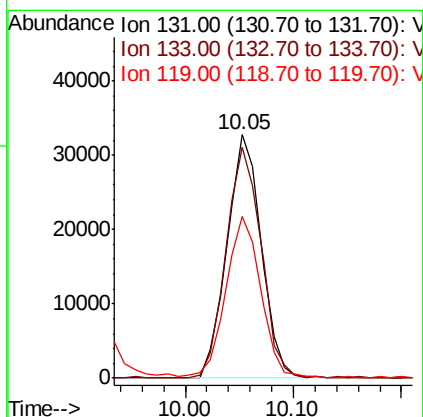
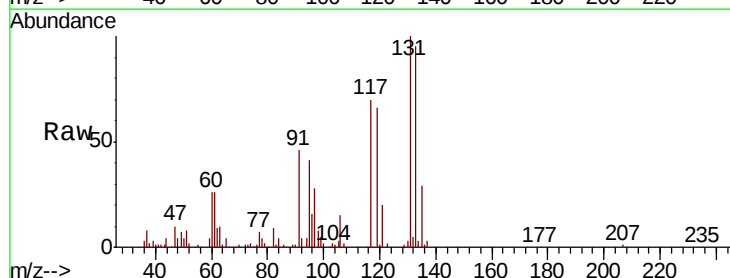
Instrument :
MSVOA_F
ClientSampleId :
VF1002SBSD01

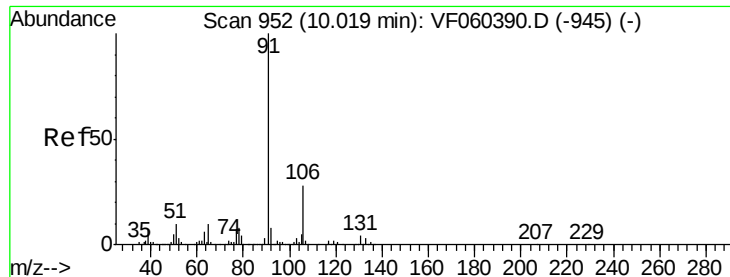
Tot Ion:112 Resp: 159285
Ion Ratio Lower Upper
112 100
114 33.3 27.7 41.5



#66
1,1,1,2-Tetrachloroethane
Concen: 21.645 ug/l
RT: 10.05 min Scan# 956
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Tgt Ion:131 Resp: 72024
Ion Ratio Lower Upper
131 100
133 94.8 47.3 141.8
119 66.2 32.3 96.9

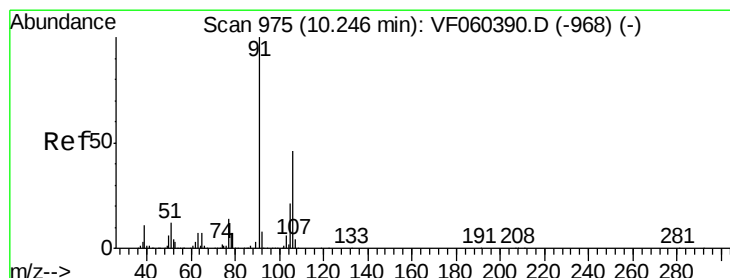
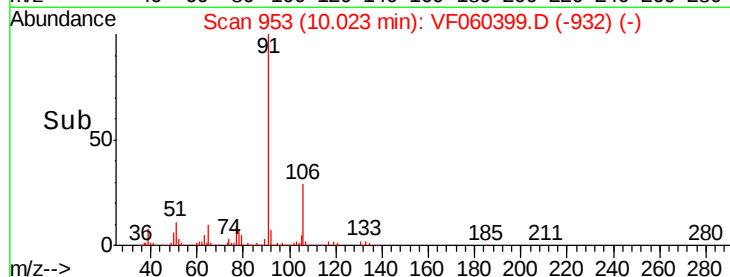
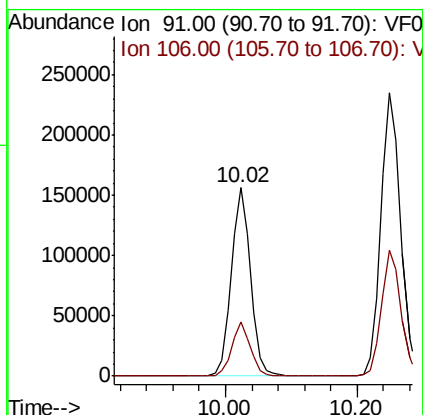
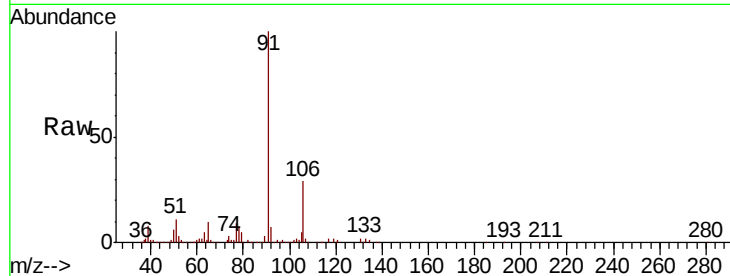




#67
Ethyl Benzene
Concen: 22.203 ug/l
RT: 10.02 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

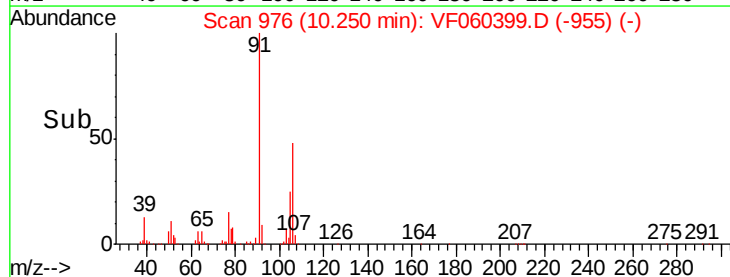
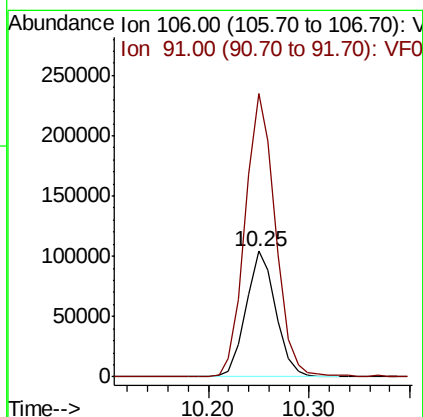
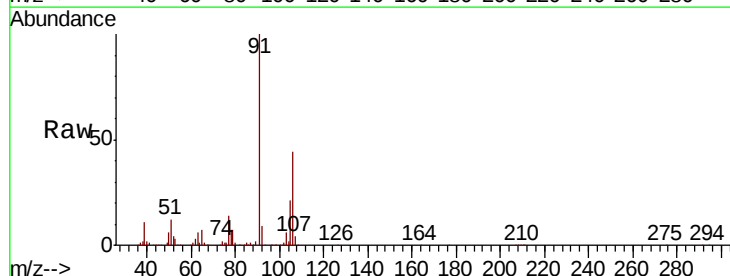
Instrument :
MSVOA_F
ClientSampleId :
VF1002SBSD01

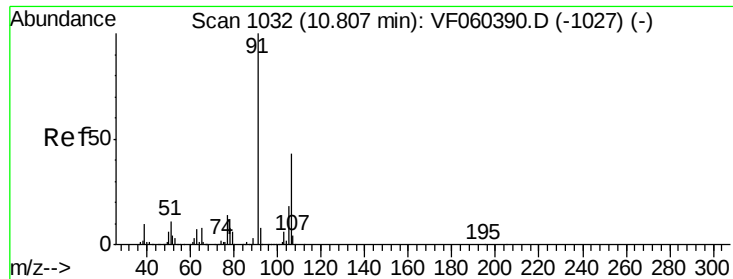
Tot Ion: 91 Resp: 321733
Ion Ratio Lower Upper
91 100
106 28.6 22.5 33.7



#68
m/p-Xylenes
Concen: 43.066 ug/l
RT: 10.25 min Scan# 976
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Tgt Ion: 106 Resp: 214526
Ion Ratio Lower Upper
106 100
91 225.5 175.0 262.6

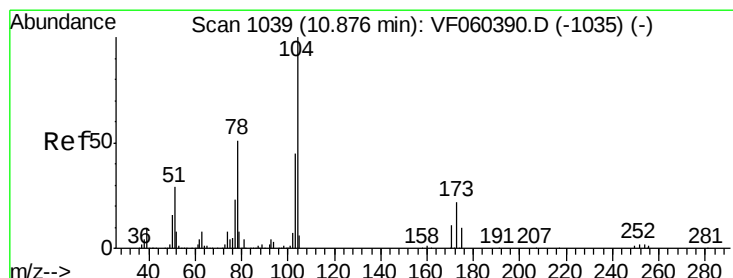
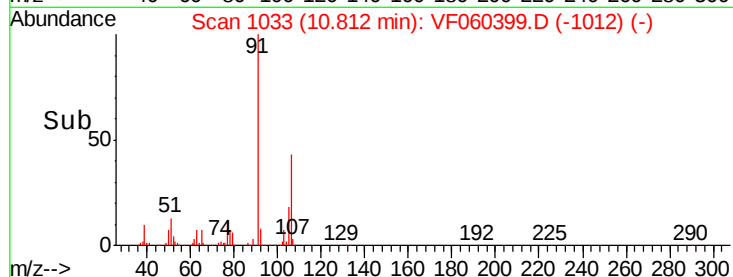
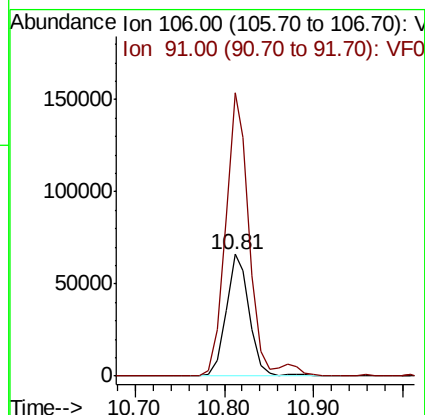
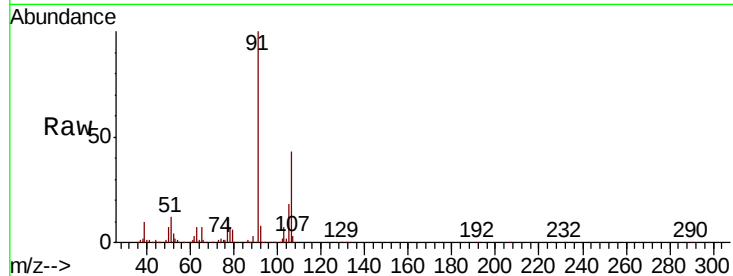




#69
o-Xylene
Concen: 22.441 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

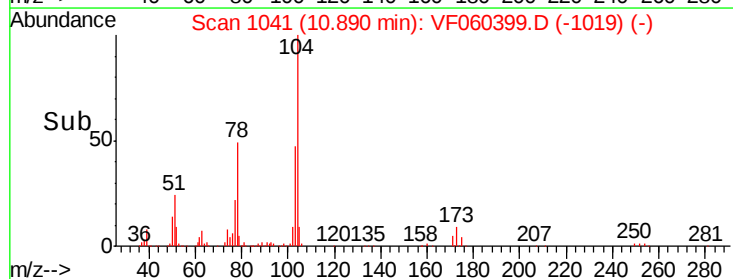
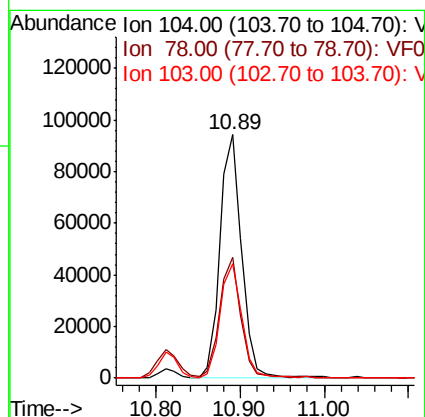
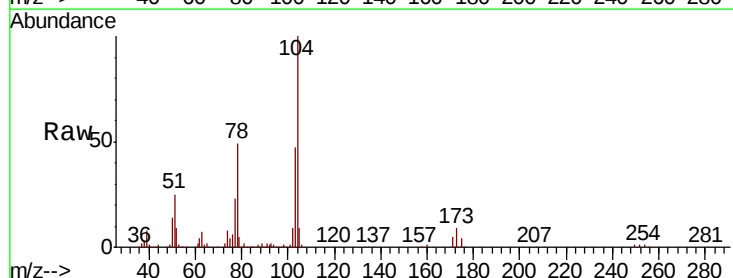
Instrument :
MSVOA_F
ClientSampleId :
VF1002SBSD01

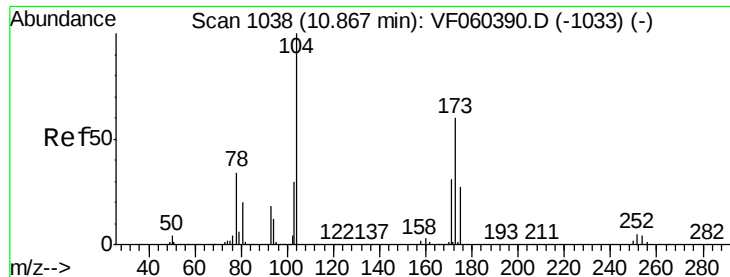
Tot Ion:106 Resp: 121846
Ion Ratio Lower Upper
106 100
91 232.1 115.1 345.2



#70
Styrene
Concen: 21.769 ug/l
RT: 10.89 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Tgt Ion:104 Resp: 168125
Ion Ratio Lower Upper
104 100
78 49.4 41.0 61.4
103 47.1 36.4 54.6

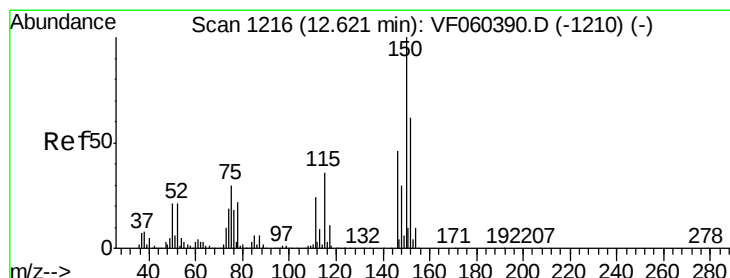
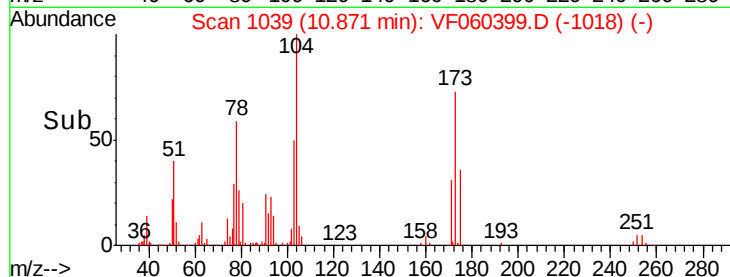
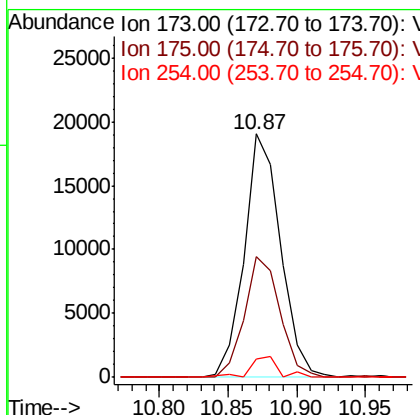
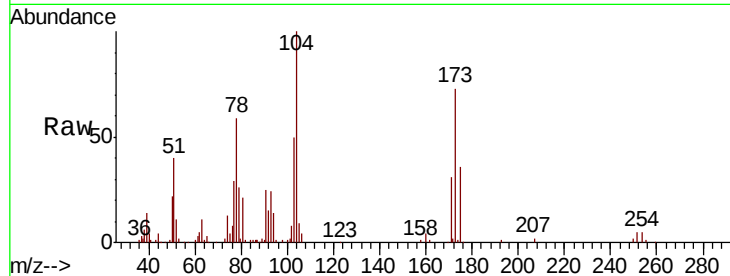




#71
Bromoform
Concen: 19.832 ug/l
RT: 10.87 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

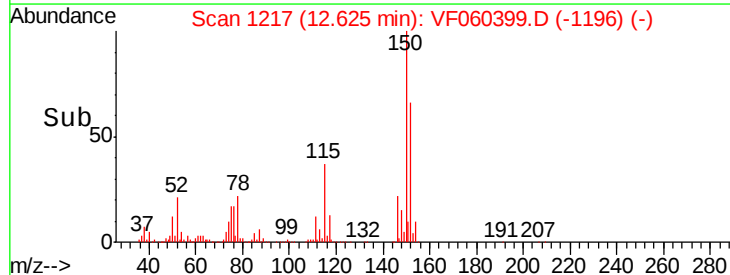
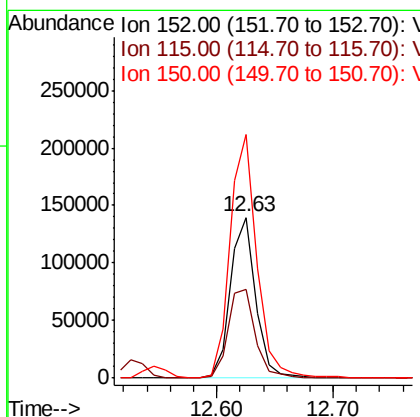
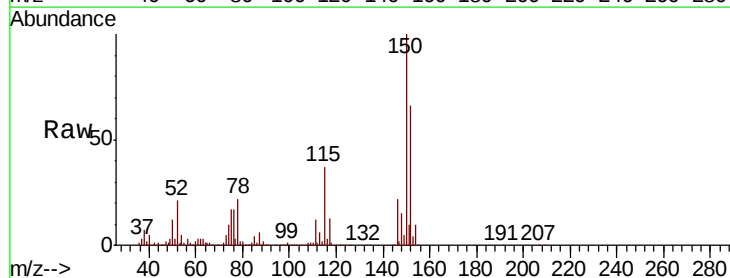
Instrument :
MSVOA_F
ClientSampleId :
VF1002SBSD01

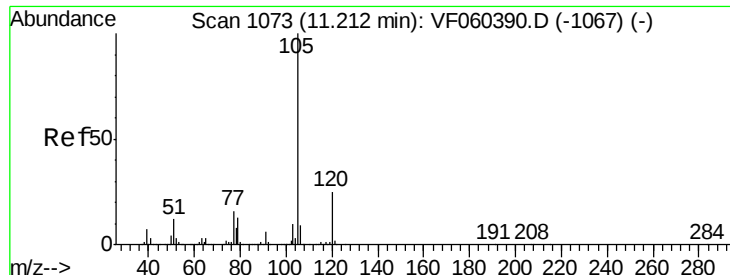
Tot Ion:173 Resp: 35135
Ion Ratio Lower Upper
173 100
175 48.6 22.1 66.1
254 7.4 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Tgt Ion:152 Resp: 210257
Ion Ratio Lower Upper
152 100
115 55.5 28.6 85.8
150 151.5 0.0 324.6





#73

Isopropylbenzene

Concen: 21.809 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

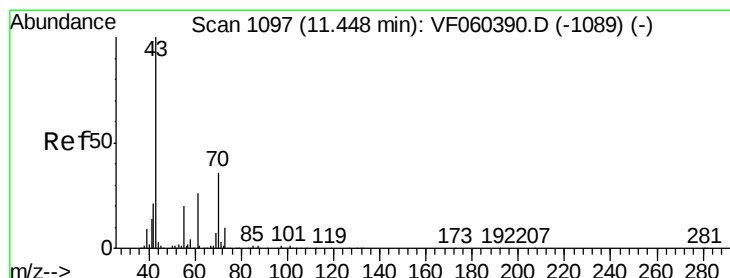
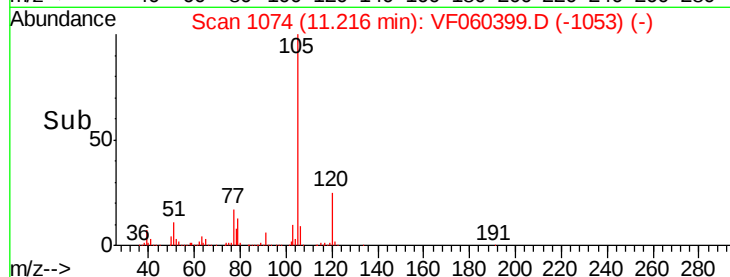
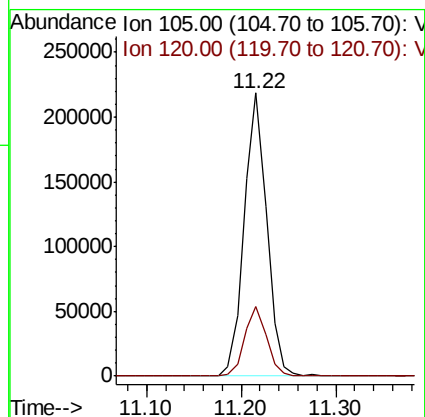
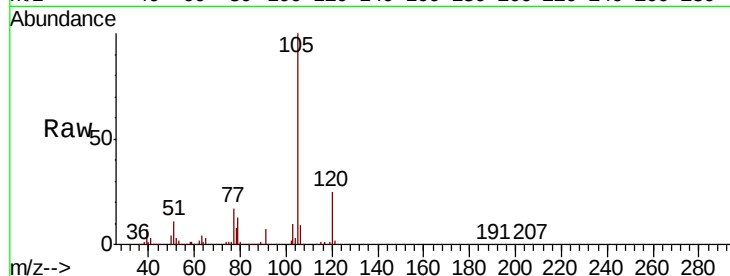
VF1002SBSD01

Tot Ion:105 Resp: 361042

Ion Ratio Lower Upper

105 100

120 24.5 12.3 36.9



#74

N-ethyl acetate

Concen: 22.365 ug/l

RT: 11.45 min Scan# 1098

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Tgt Ion: 43 Resp: 84976

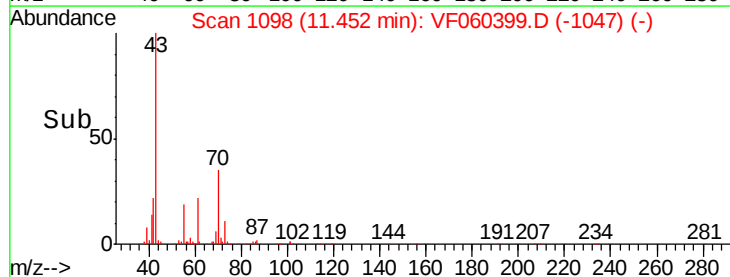
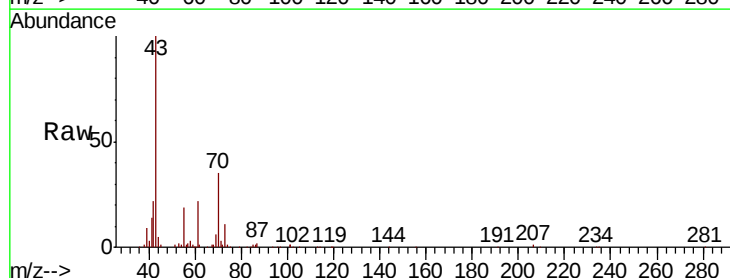
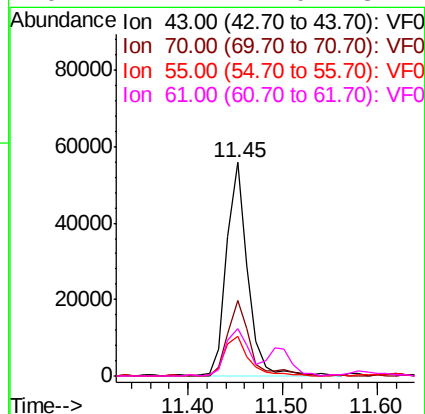
Ion Ratio Lower Upper

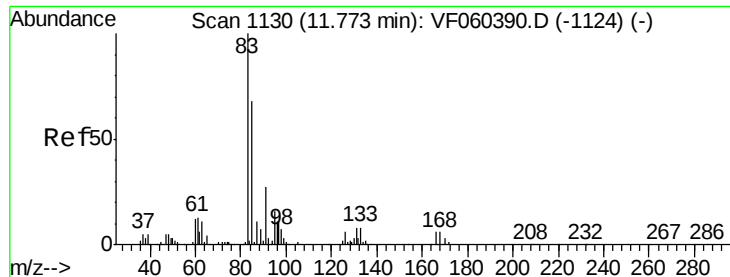
43 100

70 35.3 29.1 43.7

55 18.5 16.3 24.5

61 22.4 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.442 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBSD01

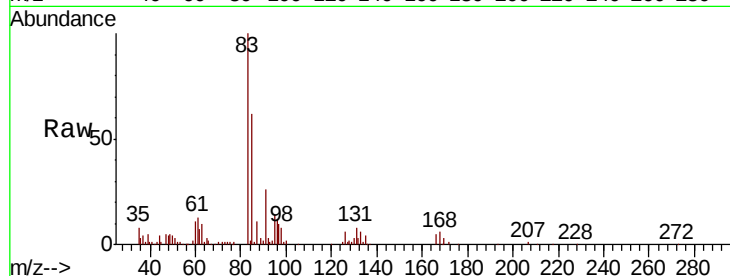
Tot Ion: 83 Resp: 61700

Ion Ratio Lower Upper

83 100

131 8.3 4.0 12.0

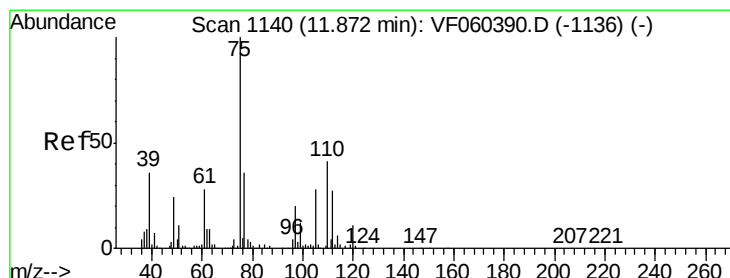
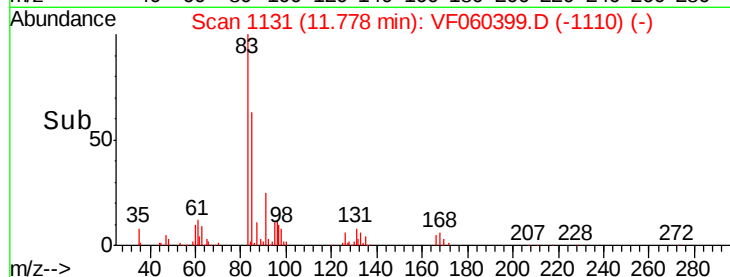
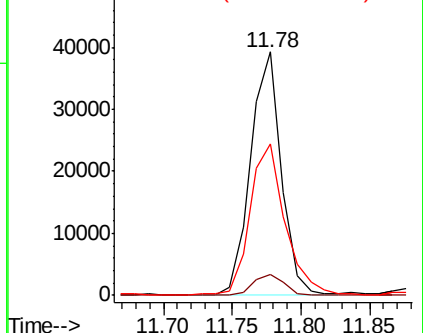
85 62.4 34.0 102.0



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: 19.407 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF060399.D

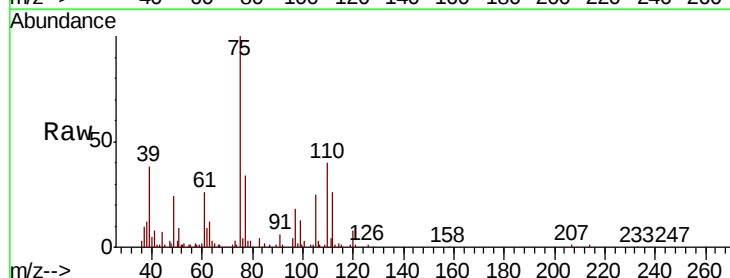
Acq: 2 Oct 2018 13:49

Tgt Ion: 75 Resp: 43123

Ion Ratio Lower Upper

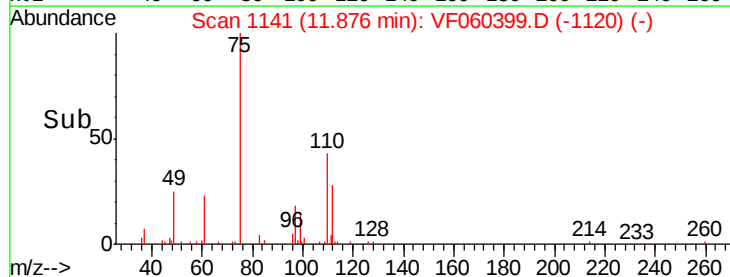
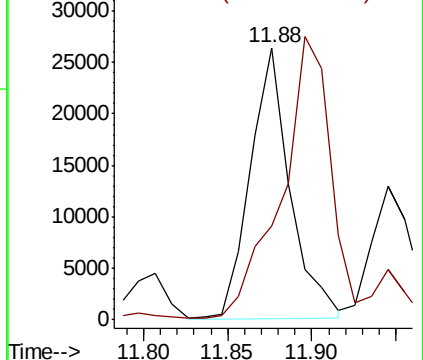
75 100

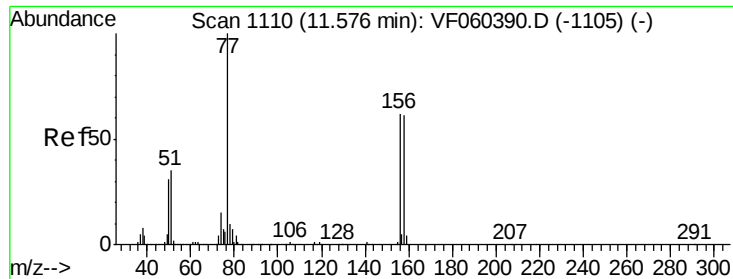
77 34.5 18.1 54.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.450 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBSD01

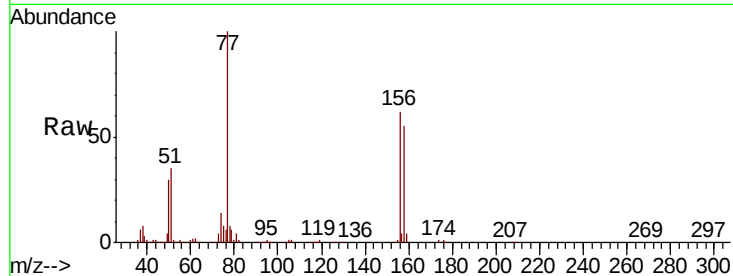
Tot Ion:156 Resp: 75678

Ion Ratio Lower Upper

156 100

77 161.5 81.3 243.9

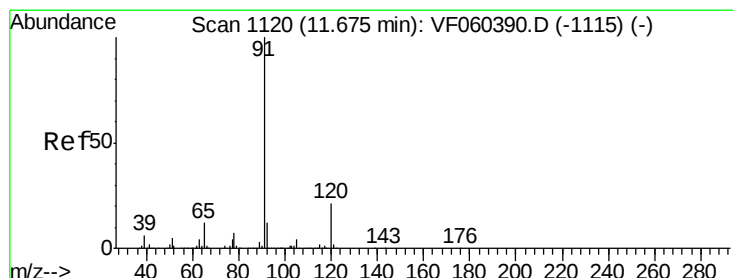
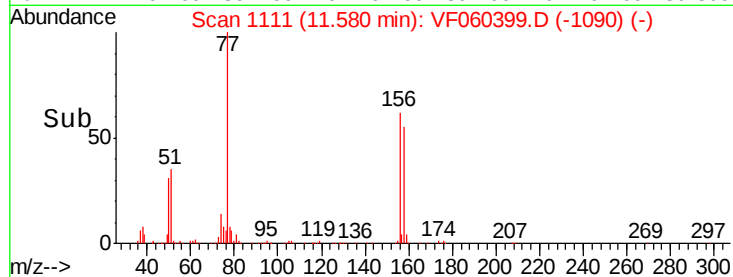
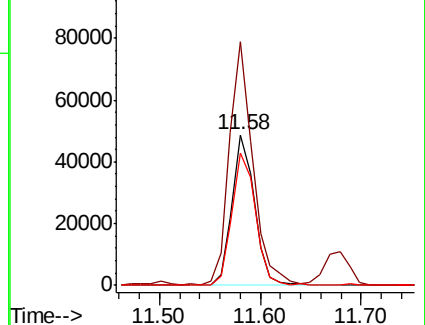
158 88.1 49.6 149.0



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: 22.134 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF060399.D

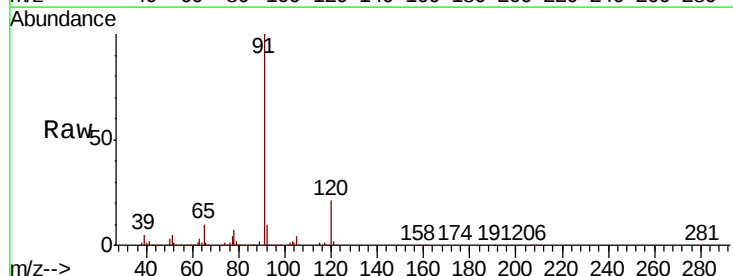
Acq: 2 Oct 2018 13:49

Tgt Ion: 91 Resp: 444226

Ion Ratio Lower Upper

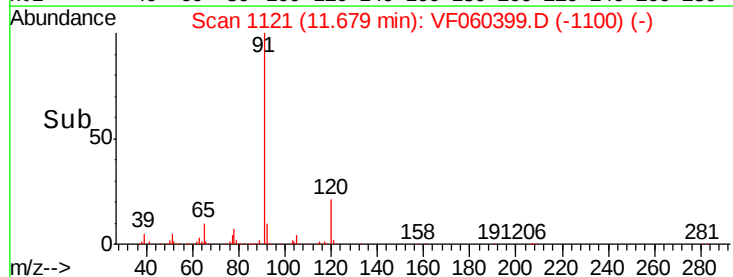
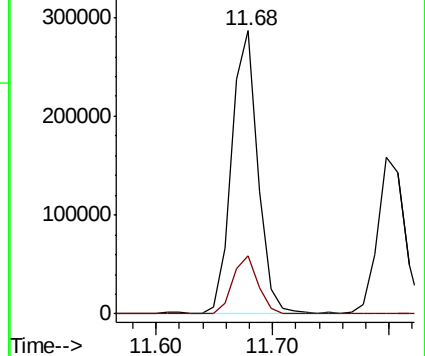
91 100

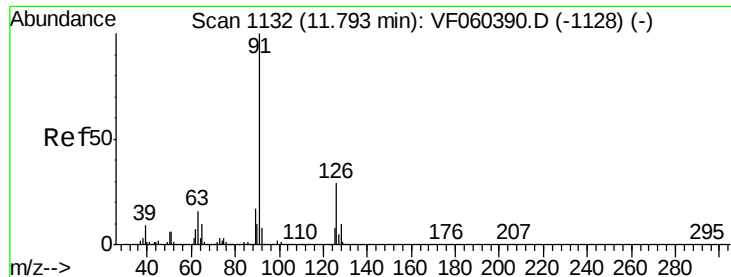
120 20.7 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.812 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

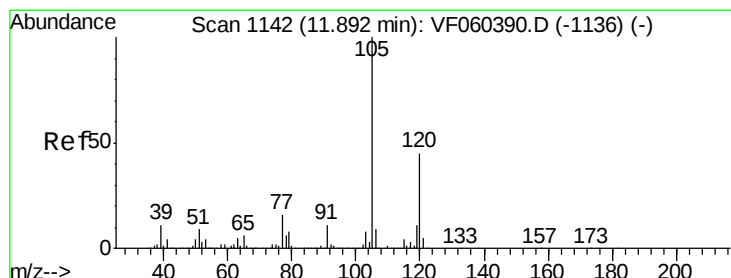
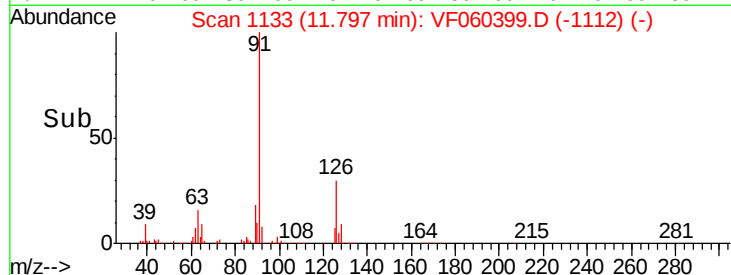
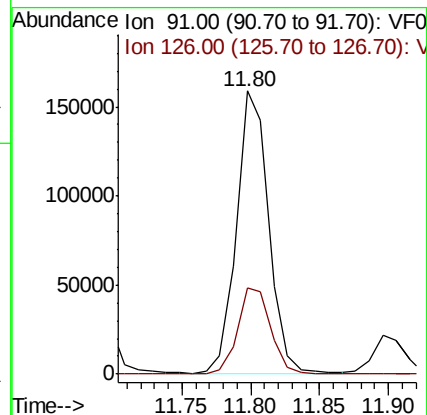
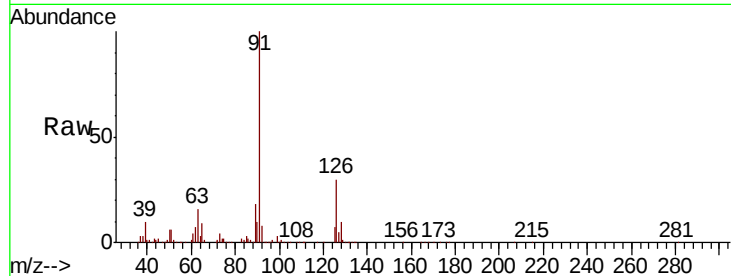
VF1002SBSD01

Tot Ion: 91 Resp: 256070

Ion Ratio Lower Upper

91 100

126 30.3 14.4 43.4



#80

1,3,5-Trimethylbenzene

Concen: 22.007 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF060399.D

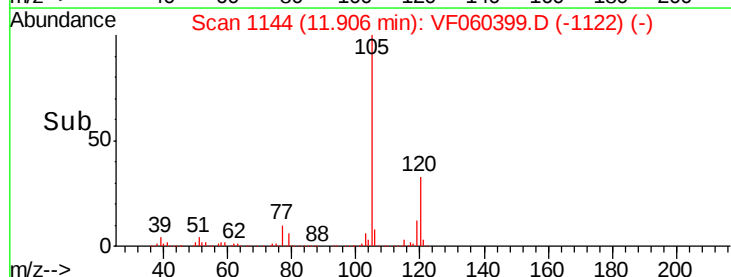
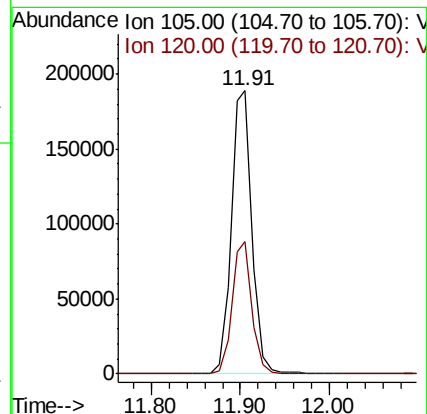
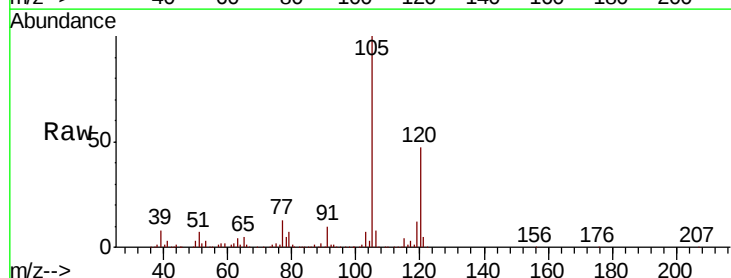
Acq: 2 Oct 2018 13:49

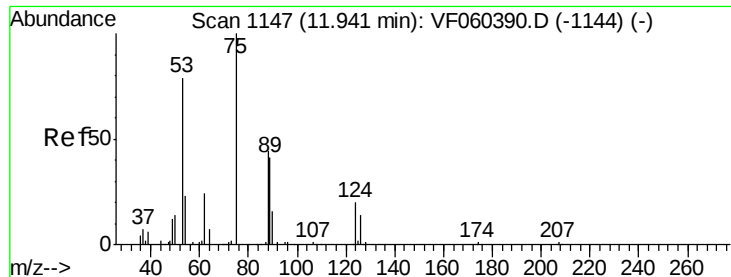
Tgt Ion:105 Resp: 309534

Ion Ratio Lower Upper

105 100

120 46.7 22.3 66.9





#81

trans-1,4-Dichloro-2-butene

Concen: 29.528 ug/l

RT: 11.95 min Scan# 1148

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBSD01

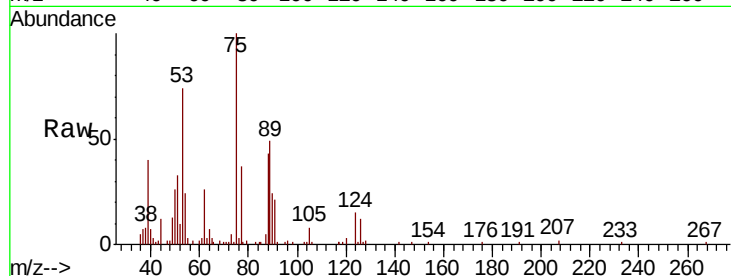
Tot Ion: 75 Resp: 29084

Ion Ratio Lower Upper

75 100

53 74.2 67.8 101.8

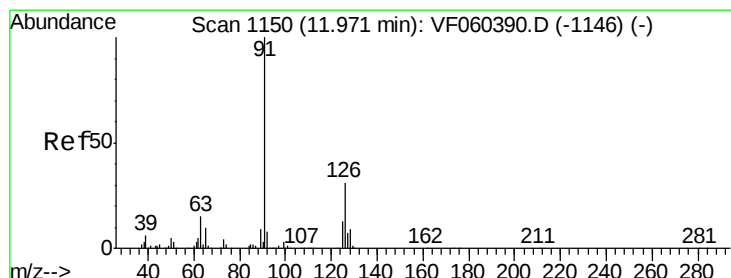
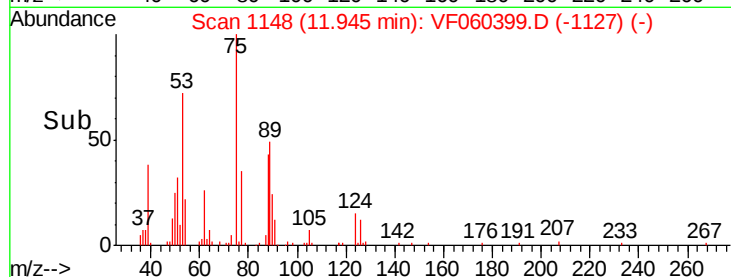
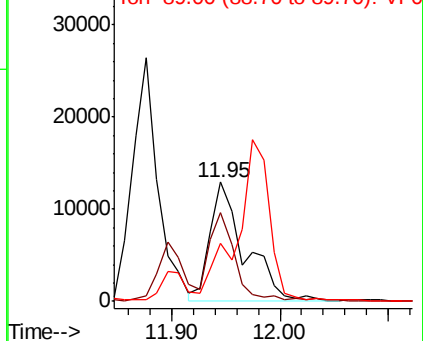
89 49.0 36.7 55.1



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: 20.434 ug/l

RT: 11.97 min Scan# 1151

Delta R.T. 0.00 min

Lab File: VF060399.D

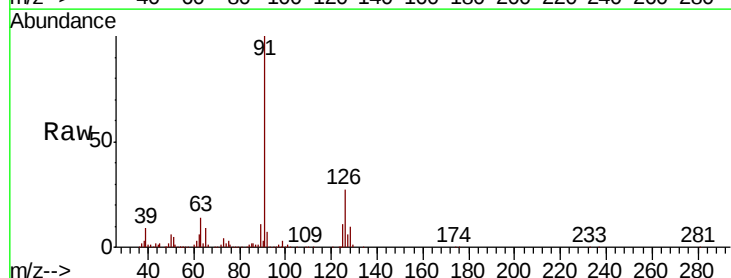
Acq: 2 Oct 2018 13:49

Tgt Ion: 91 Resp: 245455

Ion Ratio Lower Upper

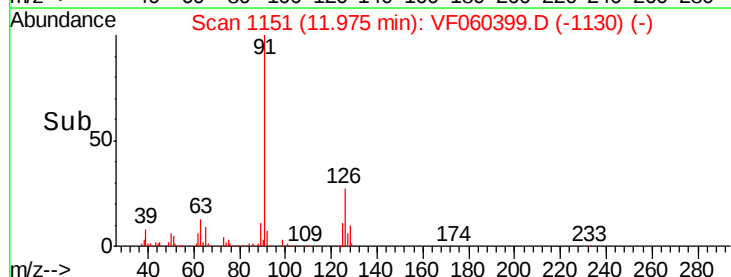
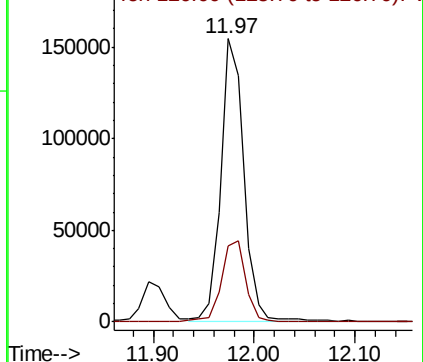
91 100

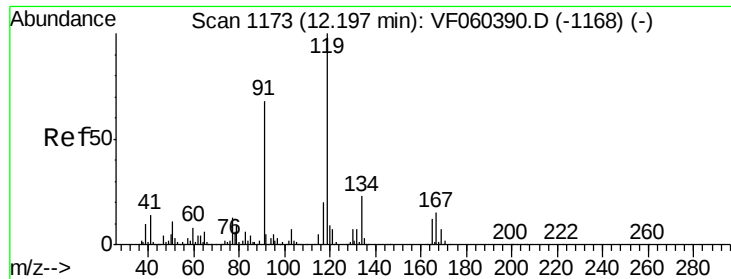
126 26.8 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

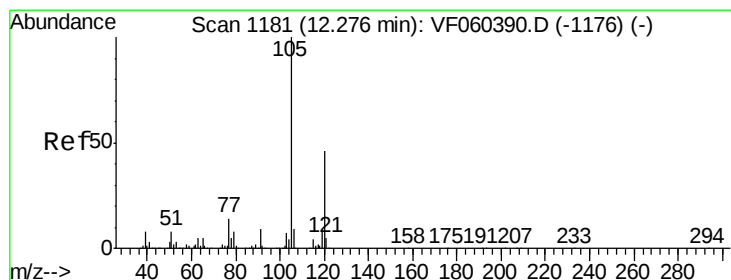
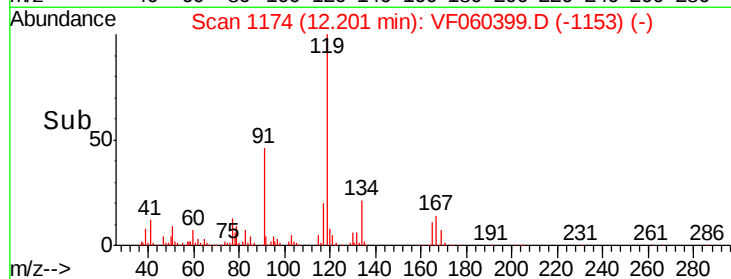
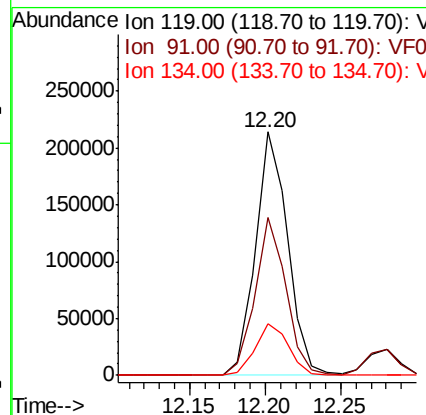
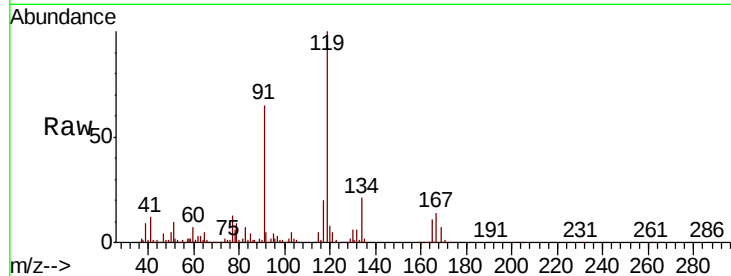




#83
 tert-Butylbenzene
 Concen: 22.935 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

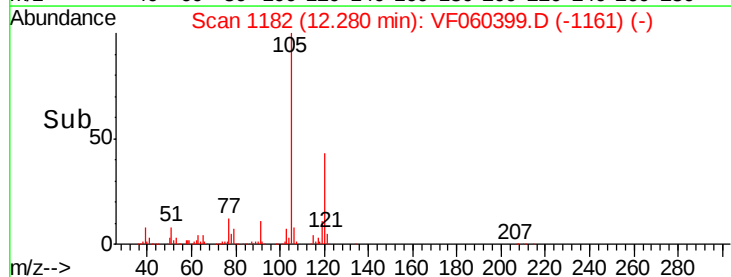
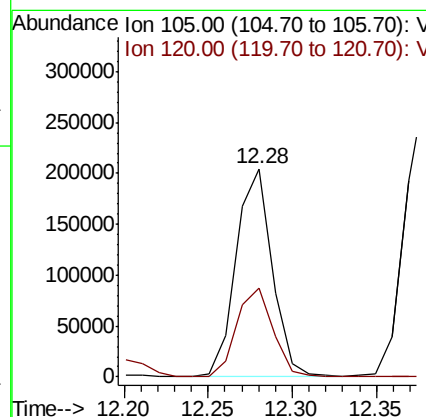
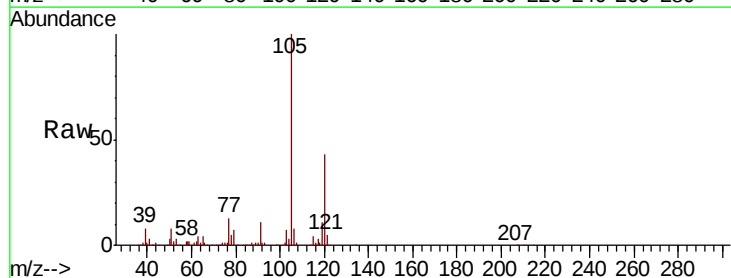
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1002SBSD01

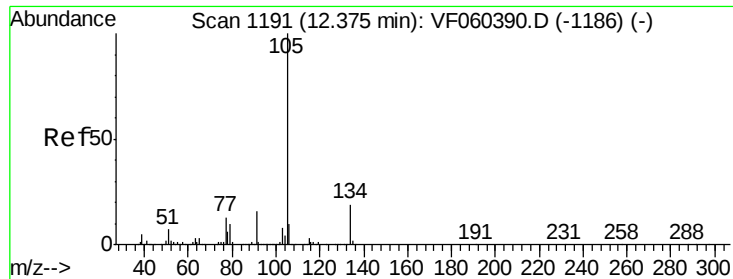
Tot Ion:119 Resp: 318173
 Ion Ratio Lower Upper
 119 100
 91 64.7 34.0 102.0
 134 21.0 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 21.814 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

Tgt Ion:105 Resp: 304279
 Ion Ratio Lower Upper
 105 100
 120 43.0 23.1 69.2

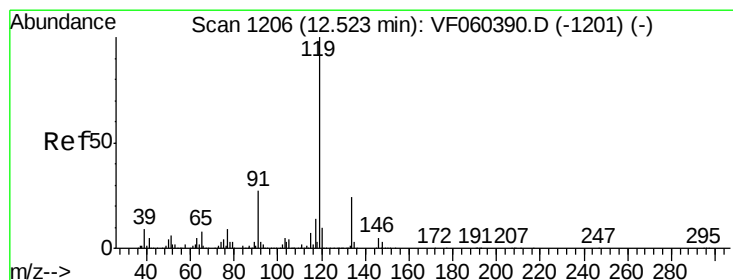
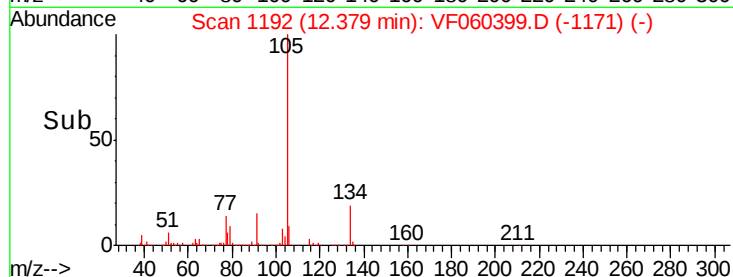
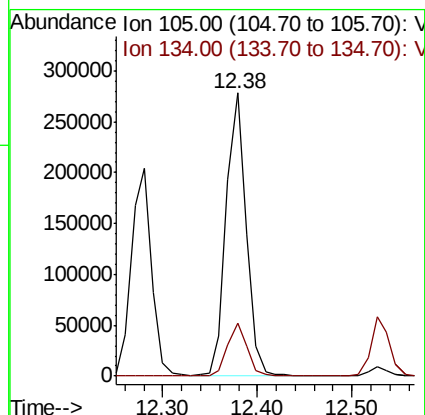
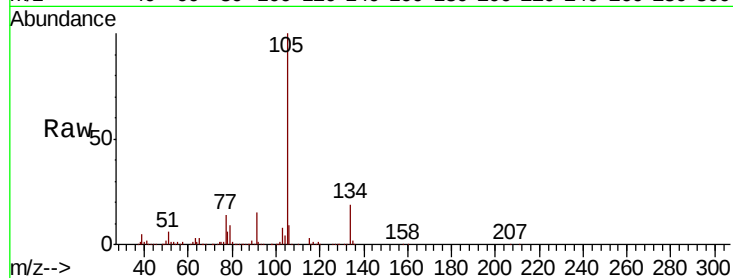




#85
 sec-Butylbenzene
 Concen: 21.230 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

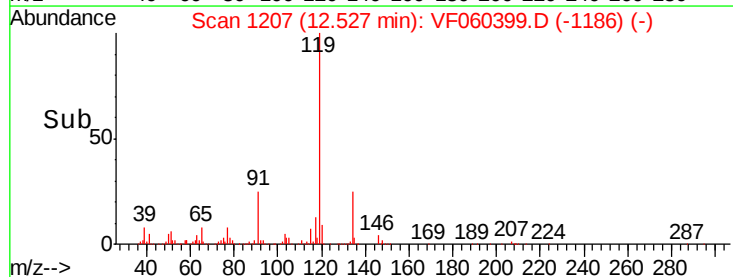
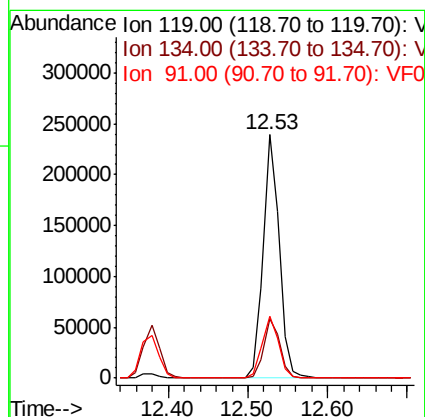
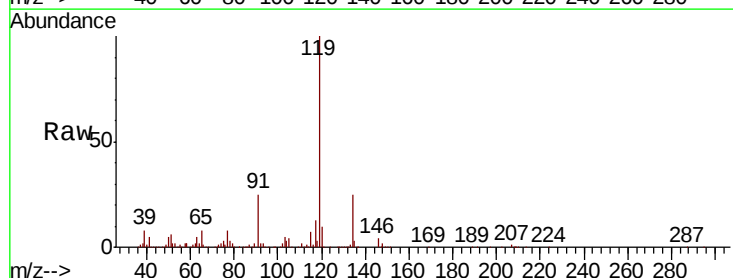
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1002SBSD01

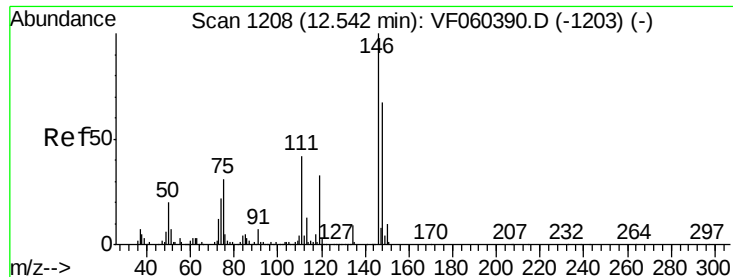
Tot Ion:105 Resp: 406543
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.4 28.3



#86
 p-Isopropyltoluene
 Concen: 21.068 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

Tgt Ion:119 Resp: 329597
 Ion Ratio Lower Upper
 119 100
 134 24.5 12.3 36.8
 91 25.4 13.5 40.4

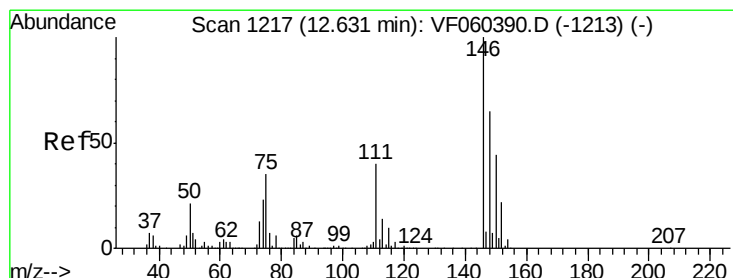
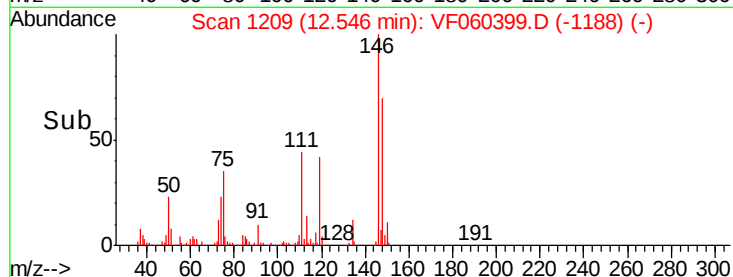
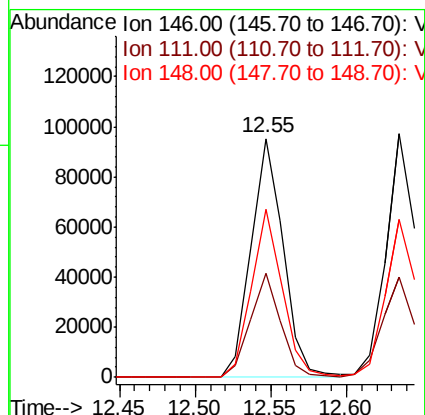
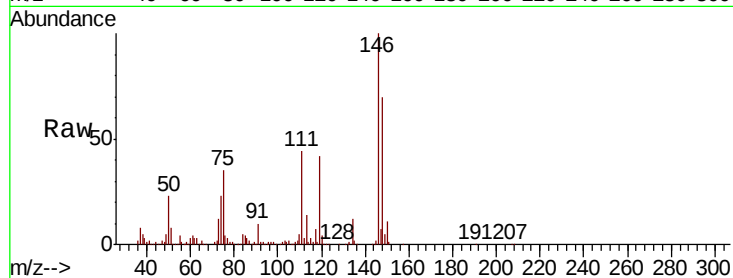




#87
 1,3-Dichlorobenzene
 Concen: 20.385 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. 0.00 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

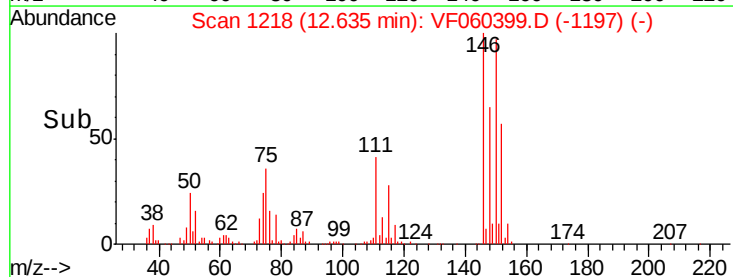
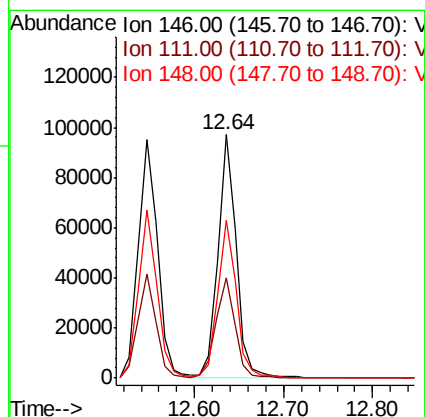
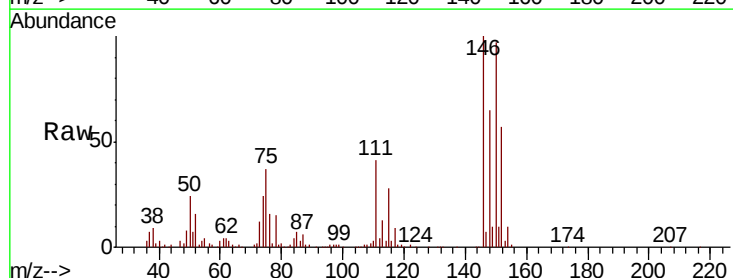
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1002SBSD01

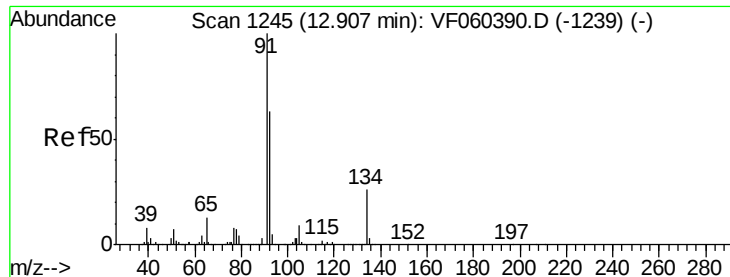
Tot Ion:146 Resp: 141953
 Ion Ratio Lower Upper
 146 100
 111 43.8 20.9 62.7
 148 70.1 33.6 100.8



#88
 1,4-Dichlorobenzene
 Concen: 20.354 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

Tgt Ion:146 Resp: 139763
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.2 60.6
 148 64.8 32.6 97.8

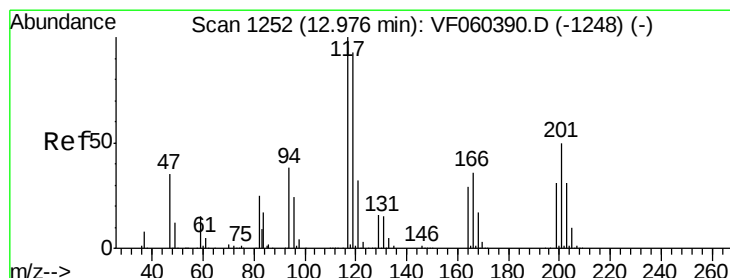
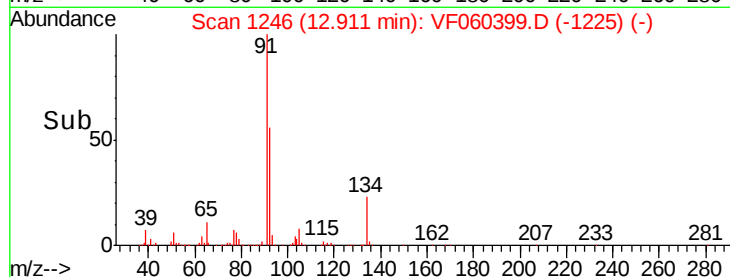
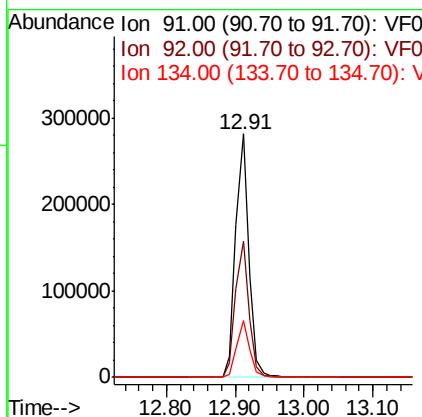
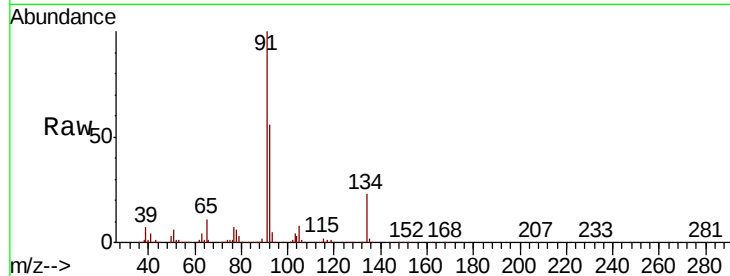




#89
n-Butylbenzene
Concen: 22.527 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

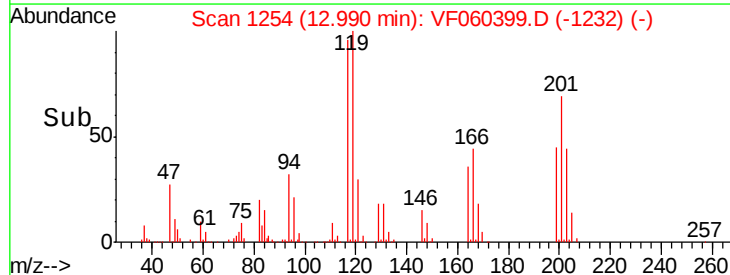
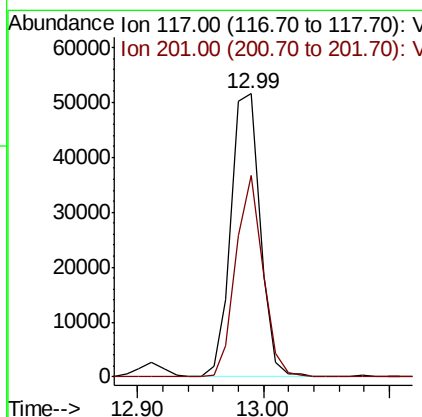
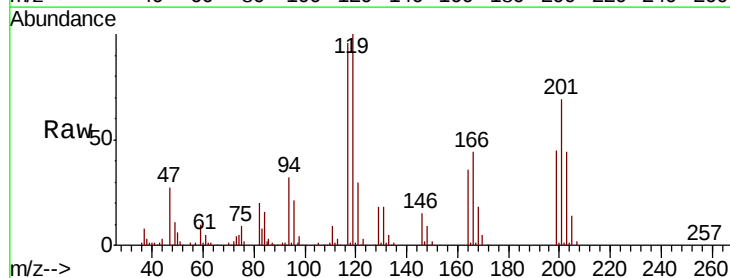
Instrument :
MSVOA_F
ClientSampleId :
VF1002SBSD01

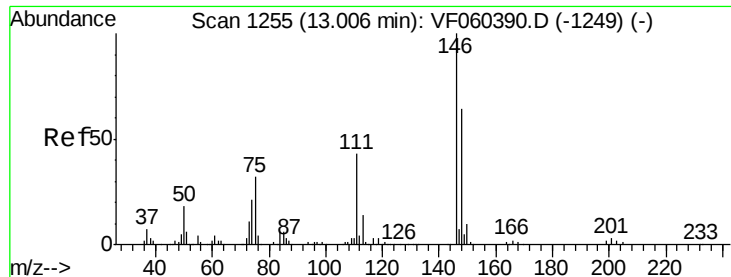
Tot Ion: 91 Resp: 372926
Ion Ratio Lower Upper
91 100
92 55.9 31.3 93.9
134 23.3 13.0 38.9



#90
Hexachloroethane
Concen: 20.549 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. 0.01 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Tgt Ion: 117 Resp: 83086
Ion Ratio Lower Upper
117 100
201 71.4 25.5 76.5





#91

1,2-Dichlorobenzene

Concen: 19.985 ug/l

RT: 13.01 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBSD01

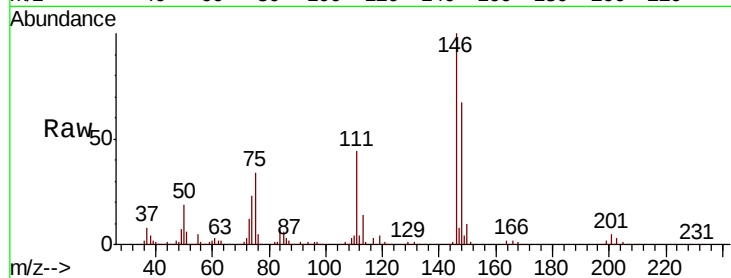
Tot Ion:146 Resp: 133346

Ion Ratio Lower Upper

146 100

111 44.0 21.3 64.0

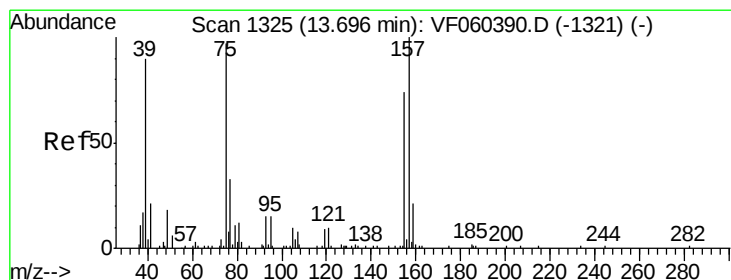
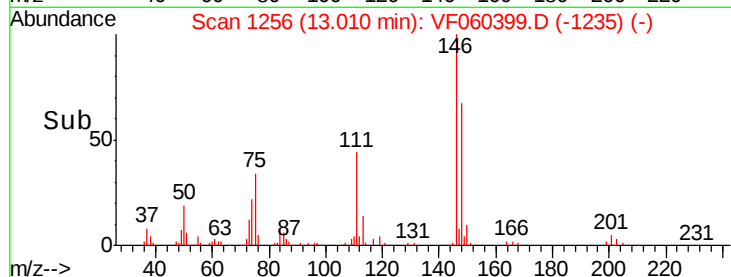
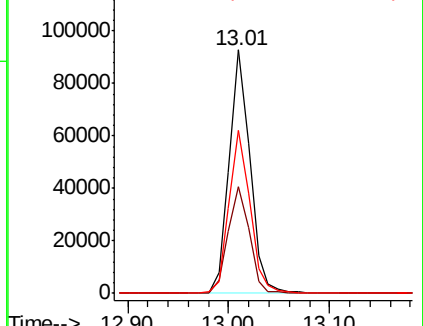
148 66.7 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.742 ug/l

RT: 13.70 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

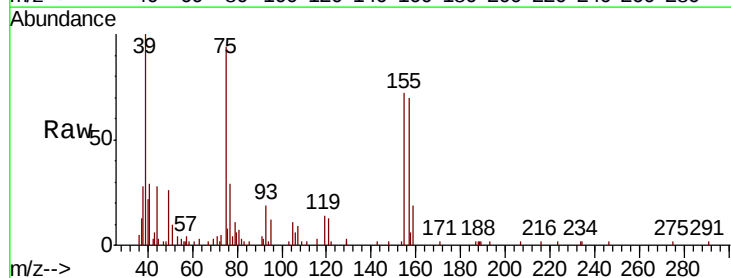
Tgt Ion: 75 Resp: 10381

Ion Ratio Lower Upper

75 100

155 76.8 37.9 113.6

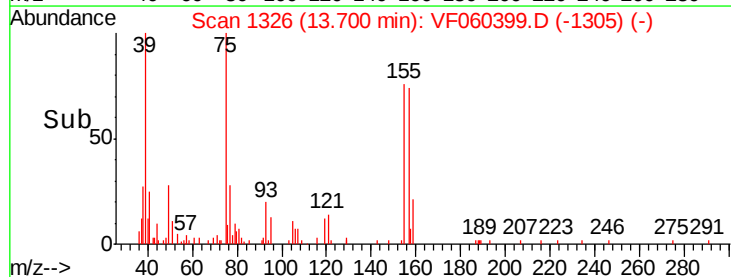
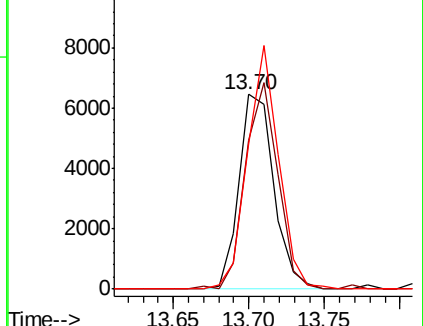
157 81.5 51.3 154.0

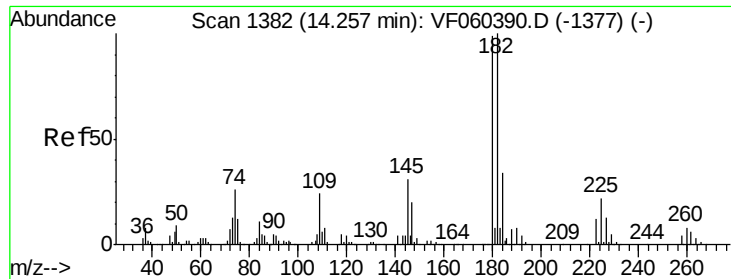


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

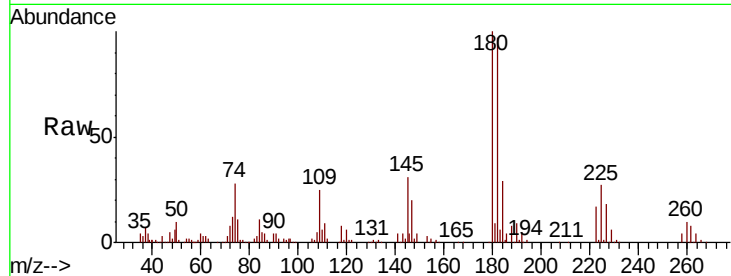




#93
 1,2,4-Trichlorobenzene
 Concen: 21.075 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1002SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	50.3	150.9
145	31.2	15.5	46.5

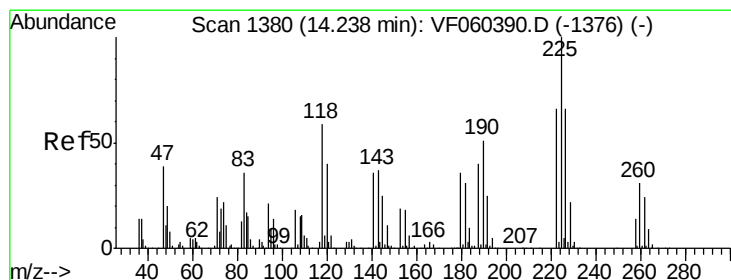
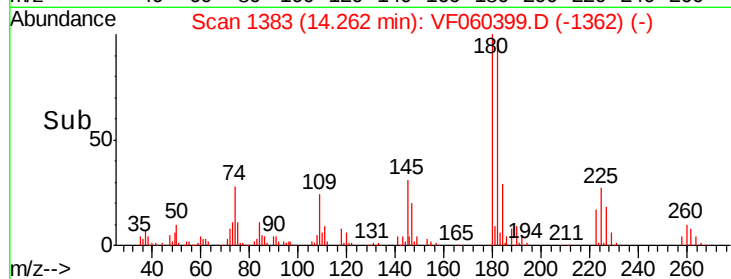
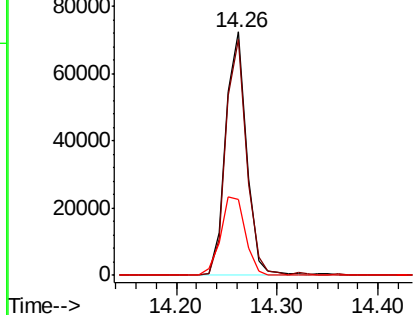


Abundance

Ion 180.00 (179.70 to 180.70): V

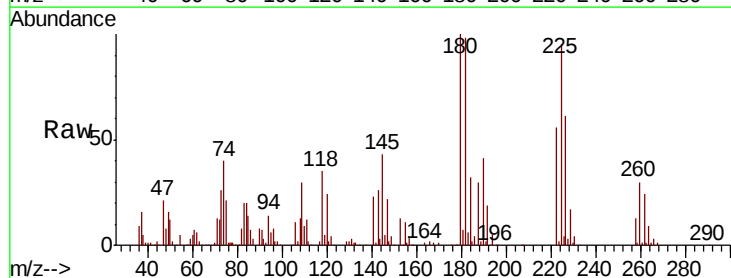
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 21.970 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. 0.01 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.7	32.8	98.4
227	66.9	33.0	99.0

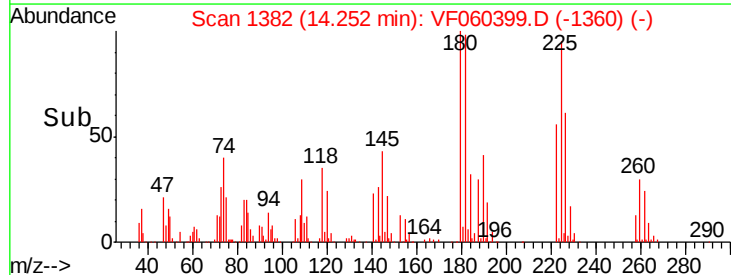
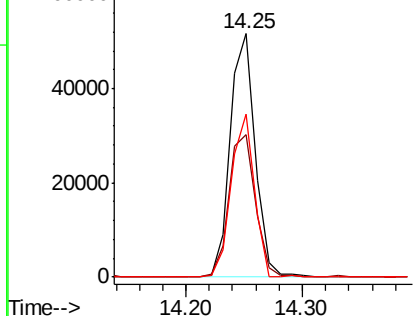


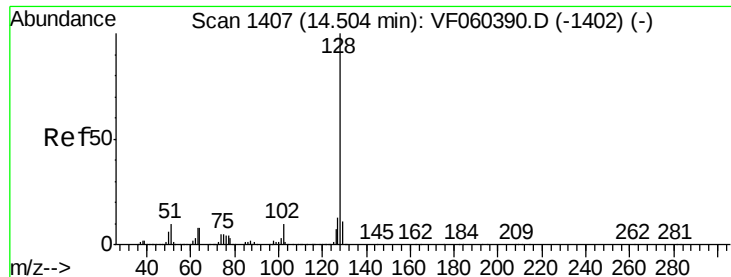
Abundance

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: 21.004 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBSD01

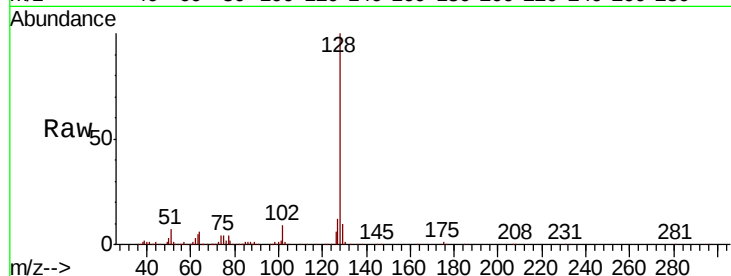
Tot Ion:128 Resp: 187285

Ion Ratio Lower Upper

128 100

127 12.2 10.0 15.0

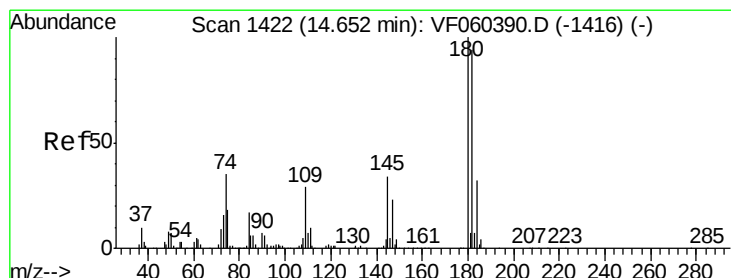
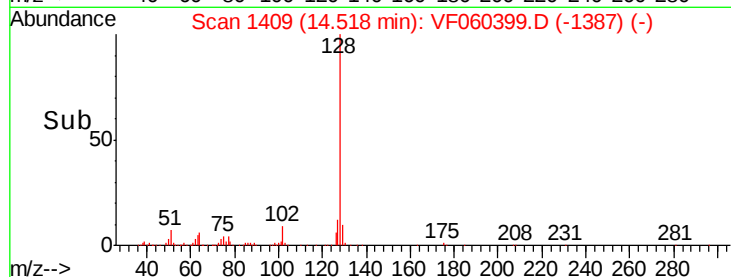
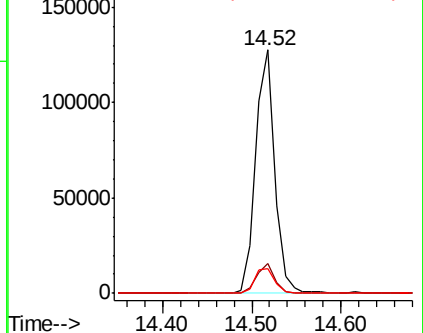
129 10.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.611 ug/l

RT: 14.66 min Scan# 1423

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

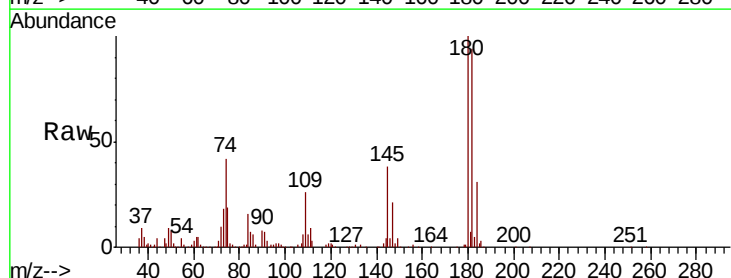
Tgt Ion:180 Resp: 96355

Ion Ratio Lower Upper

180 100

182 93.8 46.8 140.3

145 38.1 16.9 50.6



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

