

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF100918\
 Data File : VF060500.D
 Acq On : 9 Oct 2018 20:31
 Operator : VA/AP
 Sample : VF1009SBSD01
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBSD01

Quant Time: Oct 10 02:40:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 10 02:28:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.00	168	262562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	421442	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	369658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	202407	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.98	65	209462	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
35) Dibromofluoromethane	4.26	113	217631	56.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.20%	
50) Toluene-d8	7.67	98	461221	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	11.49	95	221858	54.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	123148	24.364	ug/l	100
3) Chloromethane	1.13	50	66535	20.845	ug/l #	87
4) Vinyl Chloride	1.18	62	75577	21.829	ug/l	96
5) Bromomethane	1.36	94	62077	22.799	ug/l	84
6) Chloroethane	1.42	64	41077	22.444	ug/l	93
7) Trichlorofluoromethane	1.53	101	162416	20.929	ug/l	89
8) Diethyl Ether	1.69	74	24123	21.725	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.88	101	85520	22.030	ug/l	95
10) Methyl Iodide	1.95	142	136400	22.162	ug/l #	97
11) Tert butyl alcohol	2.68	59	24456	117.214	ug/l	94
12) 1,1-Dichloroethene	1.85	96	68802	21.218	ug/l	96
13) Acrolein	1.96	56	656	Below Cal		96
14) Allyl chloride	2.17	41	106841	22.353	ug/l #	97
15) Acrylonitrile	3.06	53	46382	105.594	ug/l	94
16) Acetone	2.33	43	91232	105.806	ug/l	97
17) Carbon Disulfide	1.90	76	198245	21.984	ug/l #	93
18) Methyl Acetate	2.53	43	46297	30.022	ug/l	93
19) Methyl tert-butyl Ether	2.52	73	165346	22.652	ug/l	98
20) Methylene Chloride	2.30	84	37581	12.407	ug/l #	80
21) trans-1,2-Dichloroethene	2.40	96	67313	22.241	ug/l	95
22) Diisopropyl ether	2.90	45	210224	21.396	ug/l #	98
23) Vinyl Acetate	3.31	43	374558	108.900	ug/l	96
24) 1,1-Dichloroethane	2.98	63	140797	21.353	ug/l	99
25) 2-Butanone	4.48	43	106350	111.972	ug/l	96
26) 2,2-Dichloropropane	3.72	77	69398	20.186	ug/l	99
27) cis-1,2-Dichloroethene	3.60	96	76092	21.538	ug/l	97
28) Bromochloromethane	3.85	49	46420	20.269	ug/l #	97
29) Tetrahydrofuran	4.22	42	45367	113.310	ug/l	94
30) Chloroform	4.00	83	165771	21.725	ug/l	100
31) Cyclohexane	3.83	56	89696	21.264	ug/l	88
32) 1,1,1-Trichloroethane	4.23	97	132869	22.104	ug/l	96
36) 1,1-Dichloropropene	4.42	75	106628	21.751	ug/l	97
37) Ethyl Acetate	4.26	43	43866	25.333	ug/l #	70
38) Carbon Tetrachloride	4.13	117	120041	24.378	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	101479	21.986	ug/l	96
40) Benzene	4.78	78	217437	21.603	ug/l	99
41) Methacrylonitrile	4.89	41	20510	20.847	ug/l #	91
42) 1,2-Dichloroethane	5.08	62	97042	21.253	ug/l	99
43) Isopropyl Acetate	7.08	43	49618	22.991	ug/l #	90
44) Trichloroethene	5.64	130	69769	22.252	ug/l	95
45) 1,2-Dichloropropane	6.36	63	55916	22.694	ug/l	98
46) Dibromomethane	6.22	93	41238	20.866	ug/l	94
47) Bromodichloromethane	6.51	83	110566	22.151	ug/l #	97
48) Methyl methacrylate	6.85	41	33863	23.164	ug/l	86
49) 1,4-Dioxane	6.84	88	5775	419.495	ug/l #	81
51) 4-Methyl-2-Pentanone	8.37	43	179209	119.040	ug/l	95
52) Toluene	7.74	92	135951	21.447	ug/l	95
53) t-1,3-Dichloropropene	8.40	75	84613	21.826	ug/l	96
54) cis-1,3-Dichloropropene	7.43	75	97539	21.603	ug/l	93
55) 1,1,2-Trichloroethane	8.61	97	40479	20.778	ug/l	93
56) Ethyl methacrylate	8.73	69	52110	23.118	ug/l	96
57) 1,3-Dichloropropane	8.97	76	75148	22.402	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.74	63	25115	109.647	ug/l #	100
59) 2-Hexanone	9.61	43	131709	120.950	ug/l	95
60) Dibromochloromethane	8.84	129	62627	20.480	ug/l	94
61) 1,2-Dibromoethane	9.10	107	48284	21.935	ug/l	91
64) Tetrachloroethene	8.27	164	66336	22.641	ug/l	90
65) Chlorobenzene	9.91	112	151861	21.154	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.04	131	66458	20.552	ug/l	94
67) Ethyl Benzene	10.01	91	296057	21.858	ug/l	96
68) m/p-Xylenes	10.24	106	202252	43.743	ug/l	94
69) o-Xylene	10.81	106	107659	21.411	ug/l	99
70) Styrene	10.88	104	164794	22.769	ug/l	96
71) Bromoform	10.87	173	33777	20.603	ug/l #	95
73) Isopropylbenzene	11.20	105	345959	22.994	ug/l	97
74) N-amyl acetate	11.44	43	77536	23.676	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.76	83	57205	22.621	ug/l	93
76) 1,2,3-Trichloropropane	11.86	75	43381	22.190	ug/l	97
77) Bromobenzene	11.58	156	71779	21.468	ug/l	90
78) n-propylbenzene	11.67	91	398418	22.234	ug/l	95
79) 2-Chlorotoluene	11.79	91	239911	22.870	ug/l	93
80) 1,3,5-Trimethylbenzene	11.89	105	279300	22.128	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	27307	32.037	ug/l	89
82) 4-Chlorotoluene	11.97	91	238718	22.056	ug/l	97
83) tert-Butylbenzene	12.20	119	283423	22.337	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	291205	22.724	ug/l	98
85) sec-Butylbenzene	12.37	105	377953	21.963	ug/l	96
86) p-Isopropyltoluene	12.52	119	319123	22.589	ug/l	95
87) 1,3-Dichlorobenzene	12.54	146	137908	21.654	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	134601	21.793	ug/l	94
89) n-Butylbenzene	12.90	91	344968	23.336	ug/l	95
90) Hexachloroethane	12.98	117	74820	22.148	ug/l	84
91) 1,2-Dichlorobenzene	13.01	146	130391	21.268	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	11138	20.751	ug/l	93

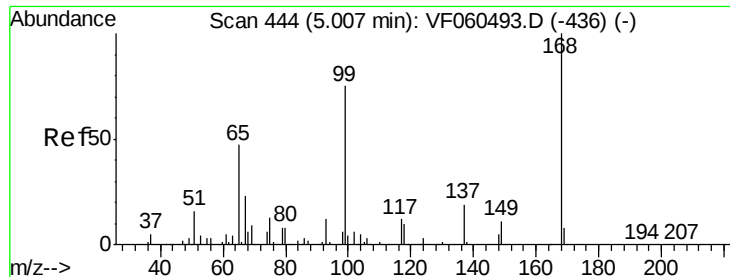
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	100568	21.241	ug/l	97
94) Hexachlorobutadiene	14.24	225	69492	21.589	ug/l	95
95) Naphthalene	14.50	128	180757	22.209	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	94662	21.461	ug/l	89

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.00 min Scan# 443

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

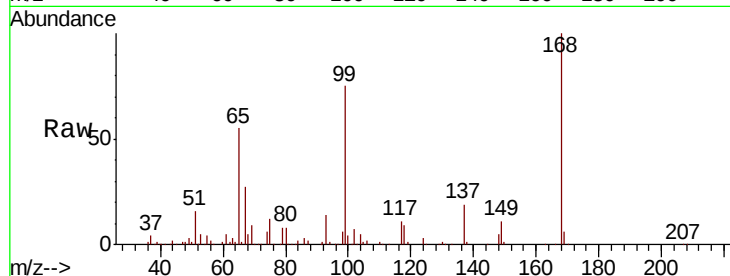
VF1009SBSD01

Tgt Ion:168 Resp: 262562

Ion Ratio Lower Upper

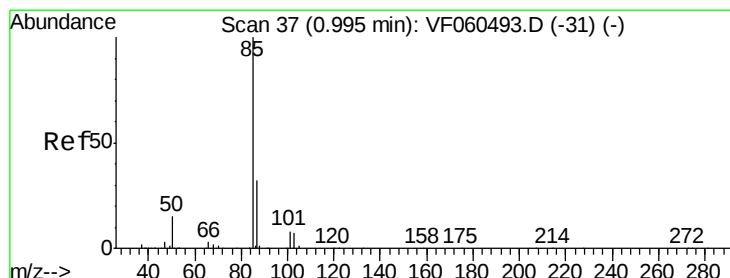
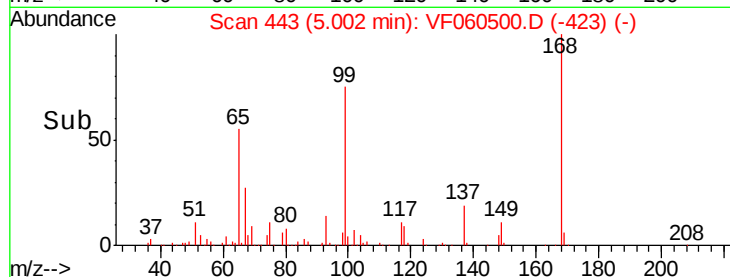
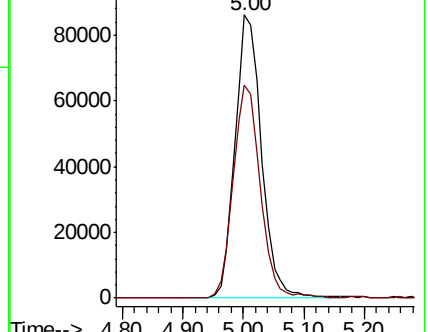
168 100

99 75.2 60.3 90.5



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 24.364 ug/l

RT: 0.99 min Scan# 36

Delta R.T. -0.00 min

Lab File: VF060500.D

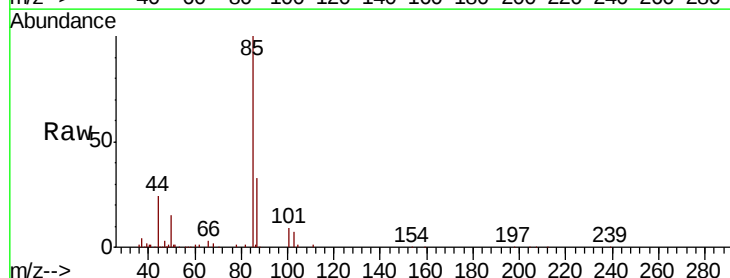
Acq: 9 Oct 2018 20:31

Tgt Ion: 85 Resp: 123148

Ion Ratio Lower Upper

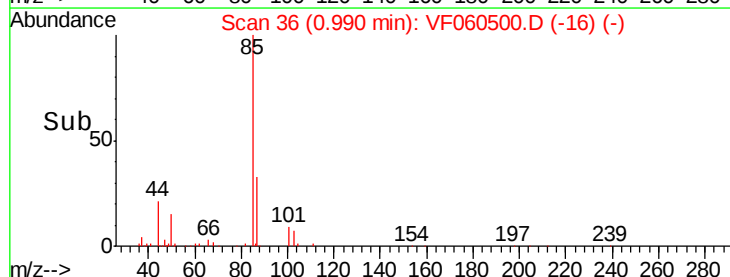
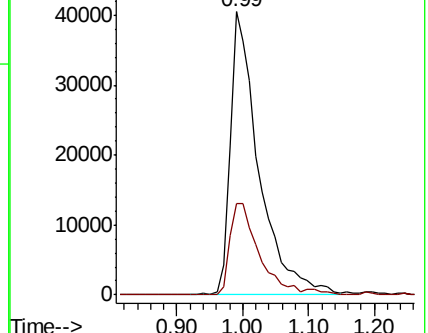
85 100

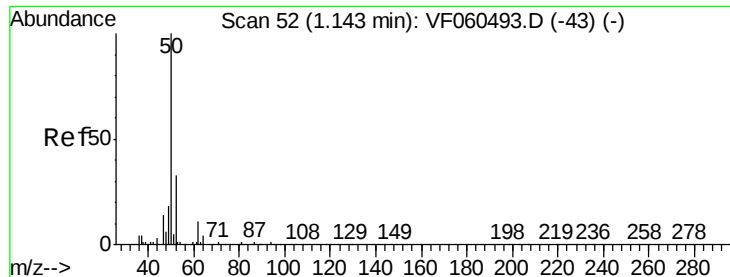
87 32.5 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 20.845 ug/l

RT: 1.13 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

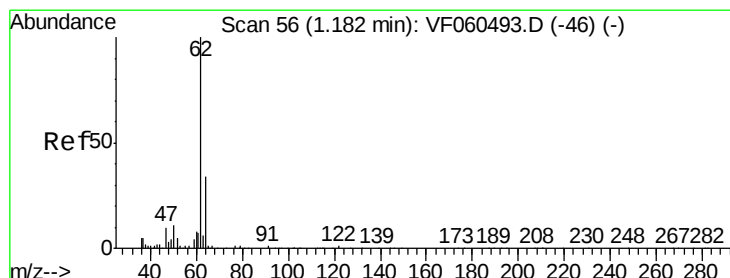
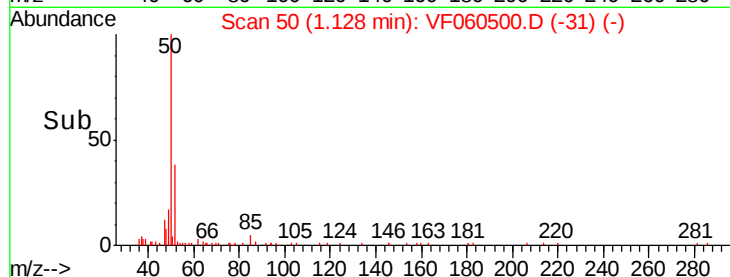
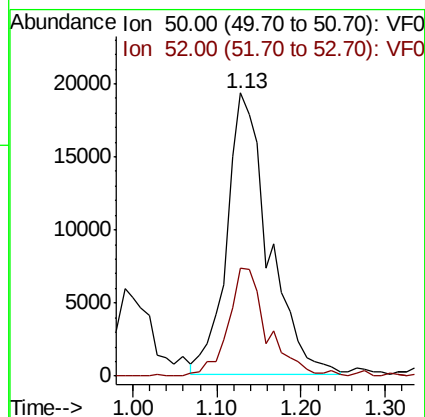
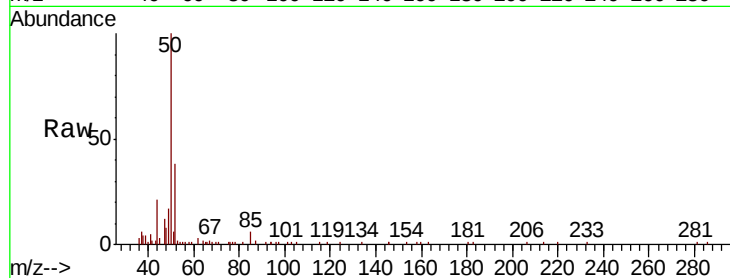
VF1009SBSD01

Tgt Ion: 50 Resp: 66535

Ion Ratio Lower Upper

50 100

52 38.2 25.0 37.4#



#4

Vinyl Chloride

Concen: 21.829 ug/l

RT: 1.18 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060500.D

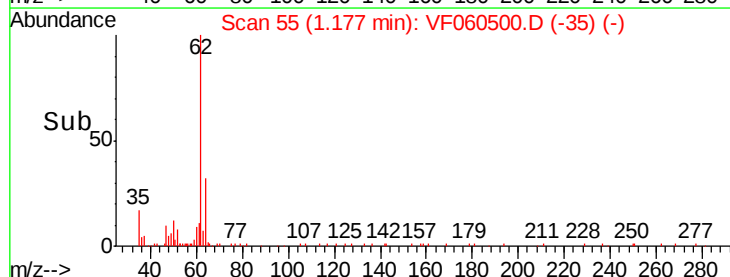
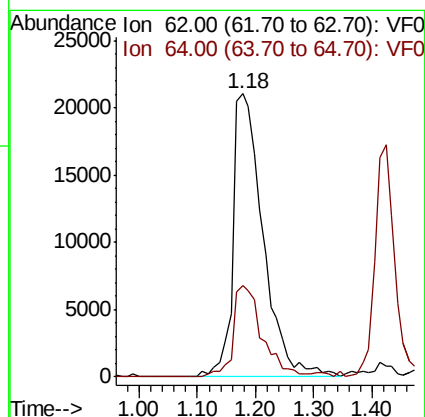
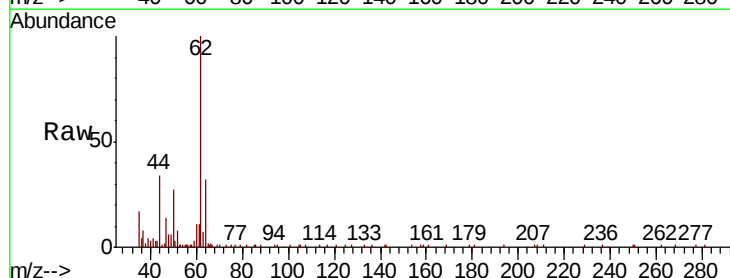
Acq: 9 Oct 2018 20:31

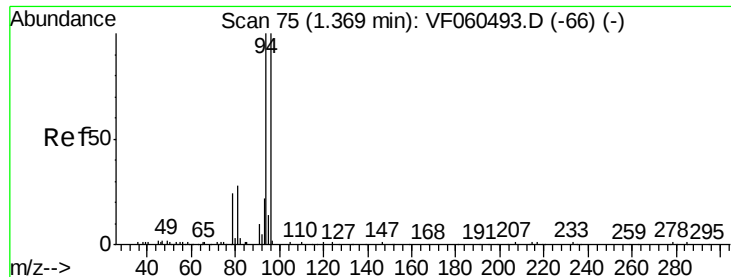
Tgt Ion: 62 Resp: 75577

Ion Ratio Lower Upper

62 100

64 32.2 27.5 41.3





#5

Bromomethane

Concen: 22.799 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

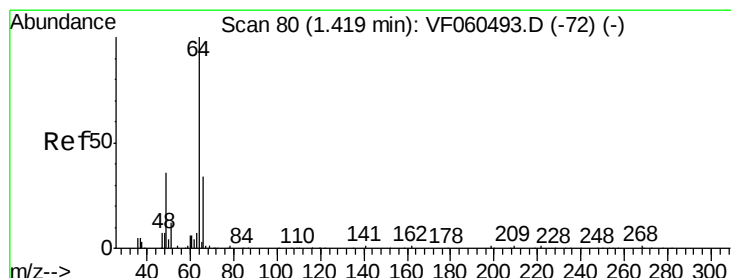
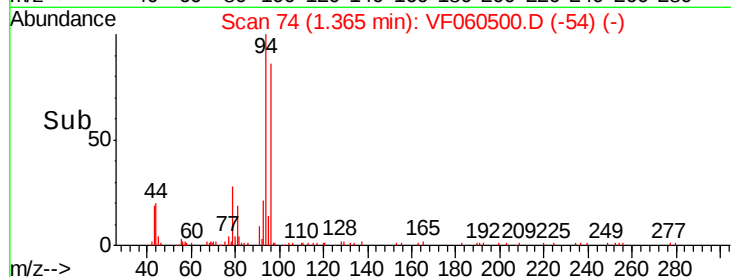
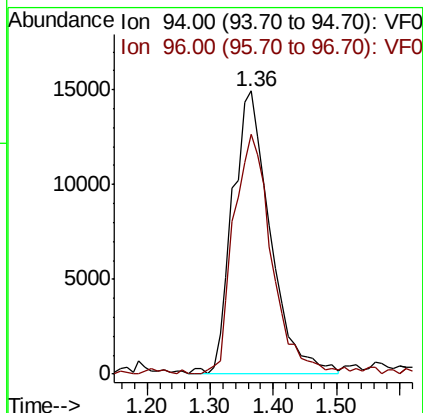
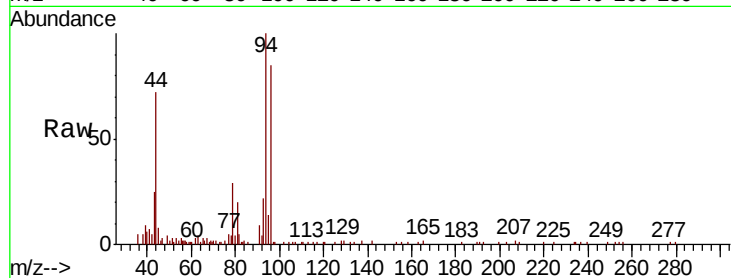
VF1009SBSD01

Tgt Ion: 94 Resp: 62077

Ion Ratio Lower Upper

94 100

96 84.8 80.6 120.8



#6

Chloroethane

Concen: 22.444 ug/l

RT: 1.42 min Scan# 80

Delta R.T. 0.01 min

Lab File: VF060500.D

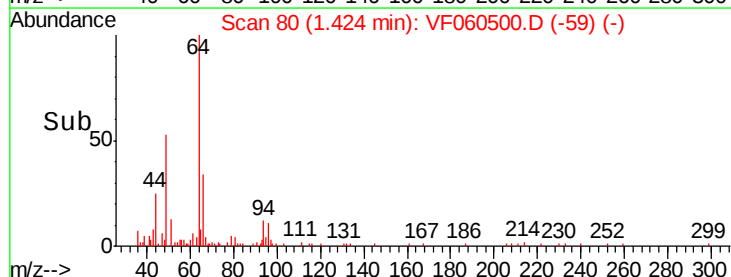
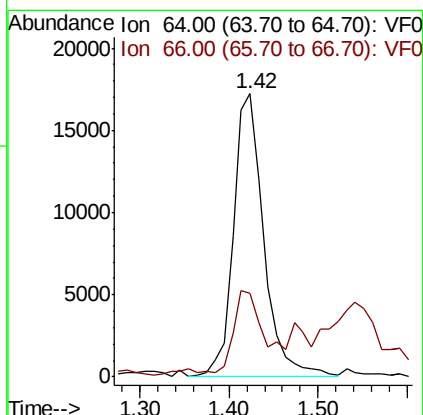
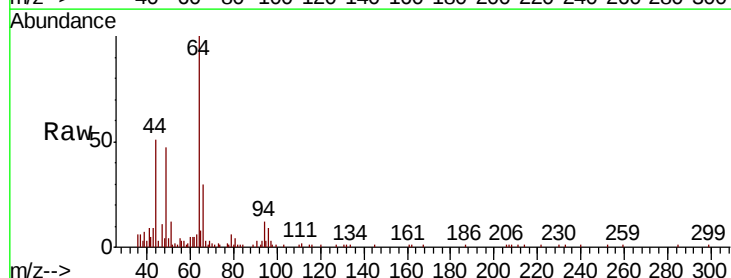
Acq: 9 Oct 2018 20:31

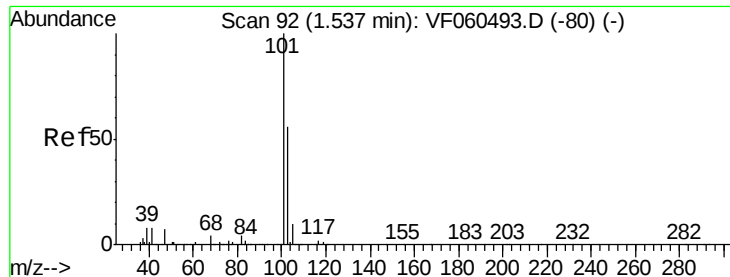
Tgt Ion: 64 Resp: 41077

Ion Ratio Lower Upper

64 100

66 29.7 27.0 40.6





#7

Trichlorofluoromethane

Concen: 20.929 ug/l

RT: 1.53 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

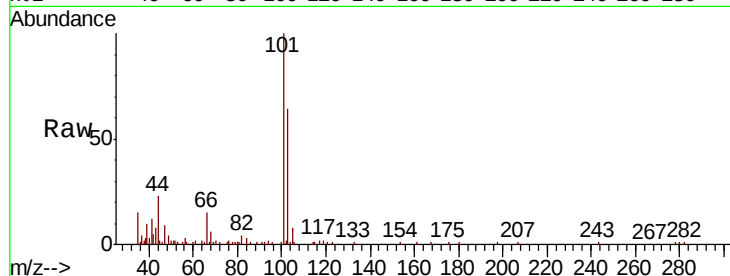
VF1009SBSD01

Tgt Ion:101 Resp: 162416

Ion Ratio Lower Upper

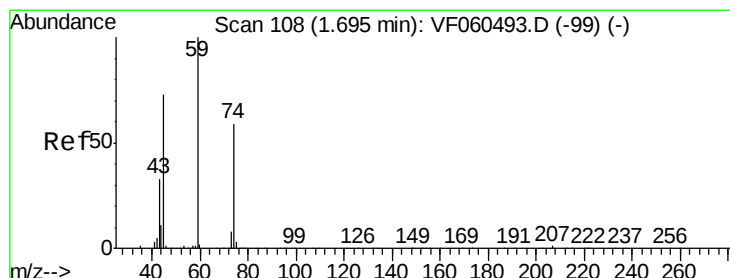
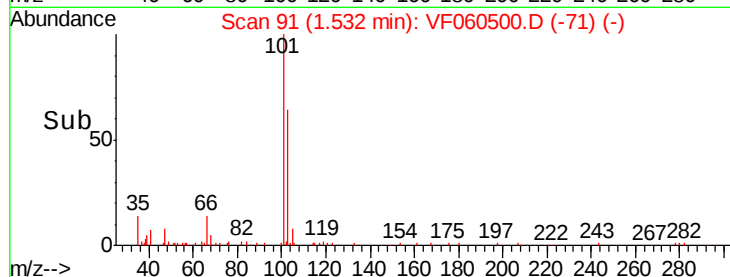
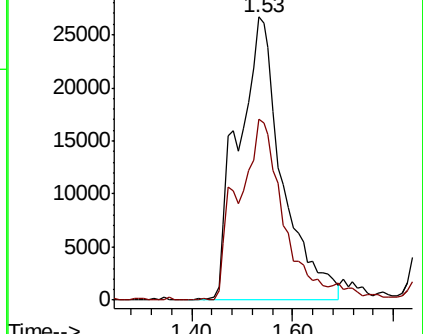
101 100

103 64.0 44.6 66.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 21.725 ug/l

RT: 1.69 min Scan# 107

Delta R.T. -0.00 min

Lab File: VF060500.D

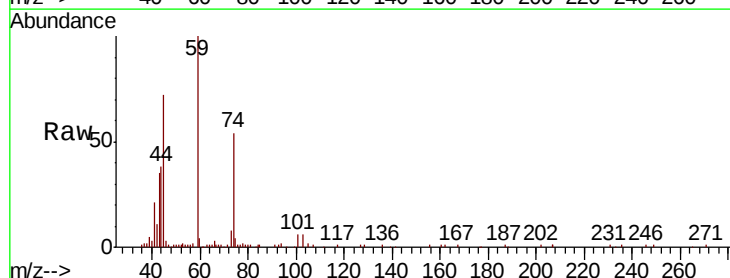
Acq: 9 Oct 2018 20:31

Tgt Ion: 74 Resp: 24123

Ion Ratio Lower Upper

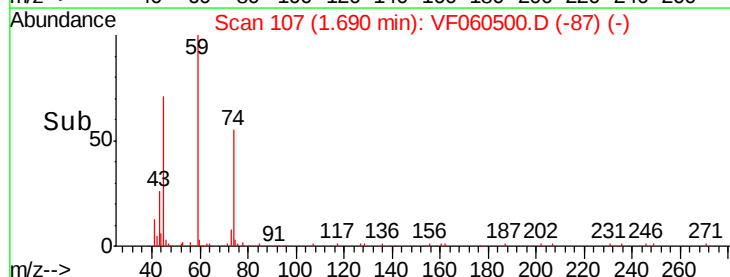
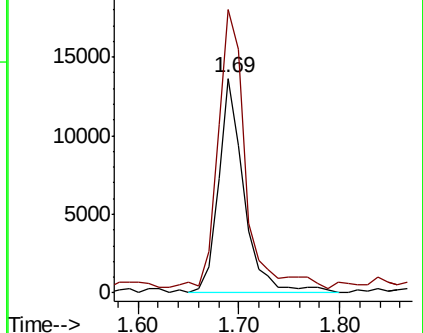
74 100

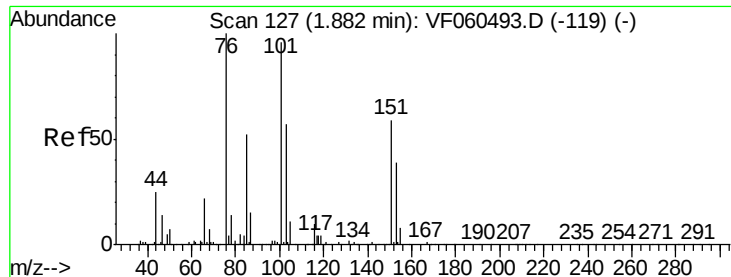
45 132.0 62.7 188.1



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.030 ug/l

RT: 1.88 min Scan# 126

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBSD01

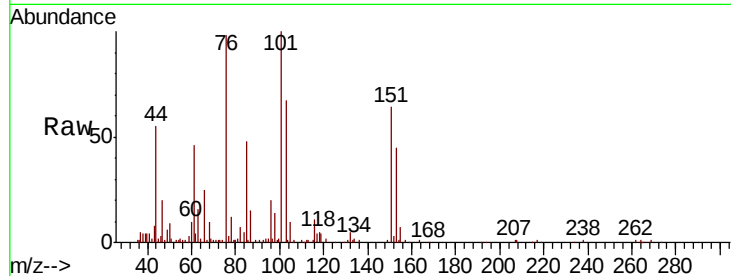
Tgt Ion:101 Resp: 85520

Ion Ratio Lower Upper

101 100

85 48.9 41.8 62.6

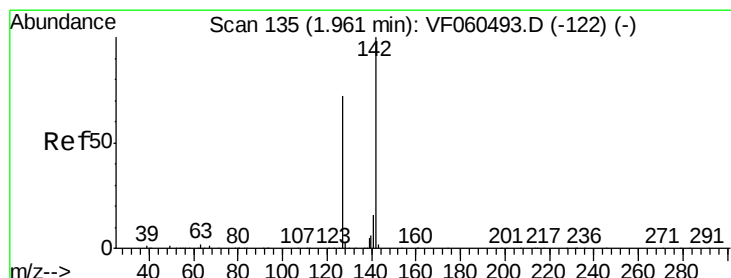
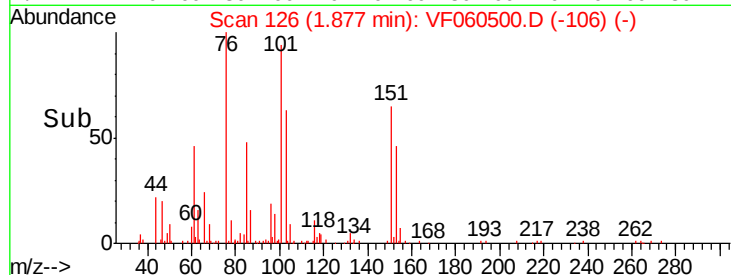
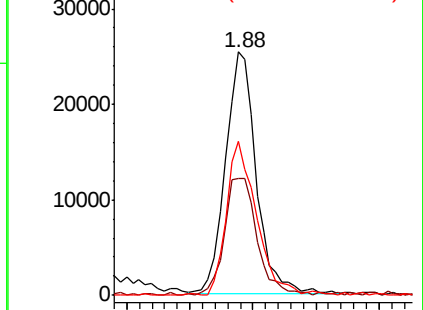
151 63.5 47.4 71.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 22.162 ug/l

RT: 1.95 min Scan# 133

Delta R.T. -0.01 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

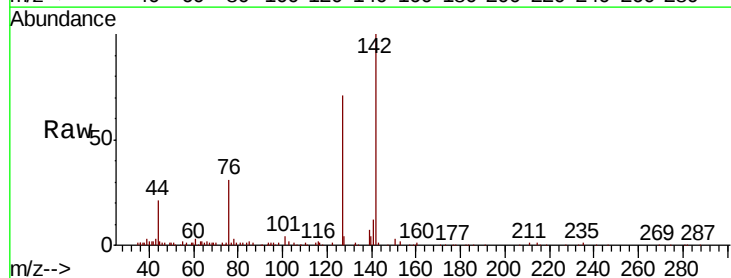
Tgt Ion:142 Resp: 136400

Ion Ratio Lower Upper

142 100

127 71.0 57.9 86.9

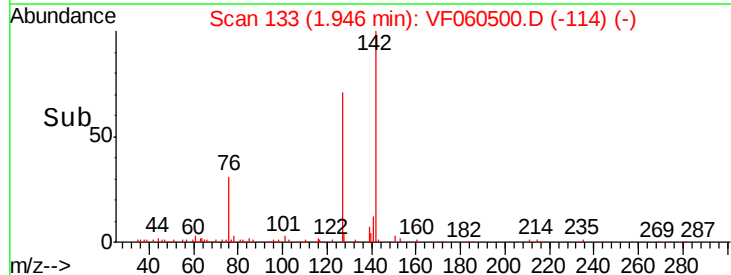
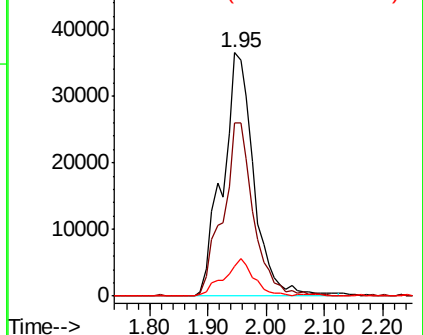
141 12.2 12.7 19.1#

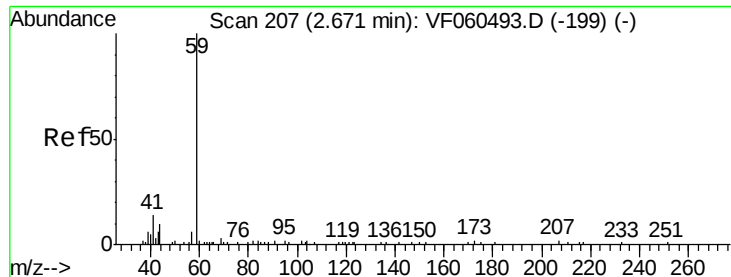


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

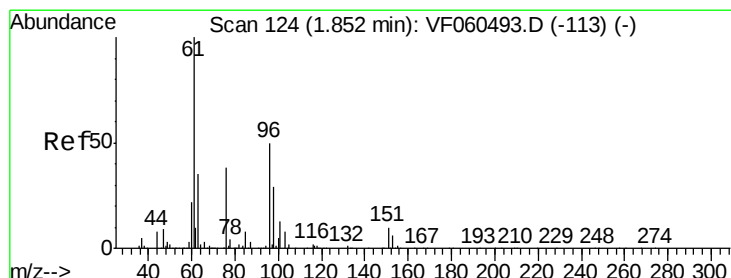
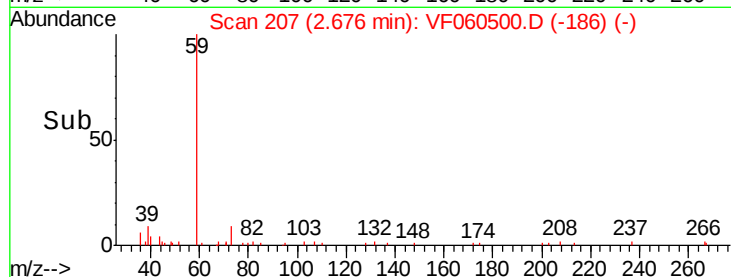
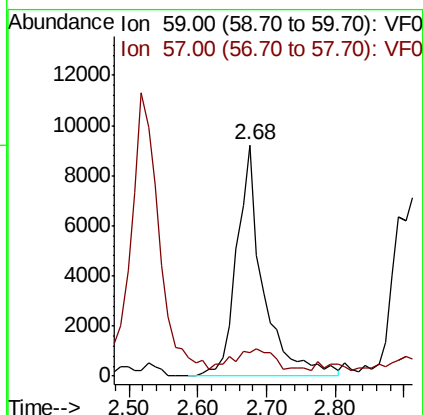
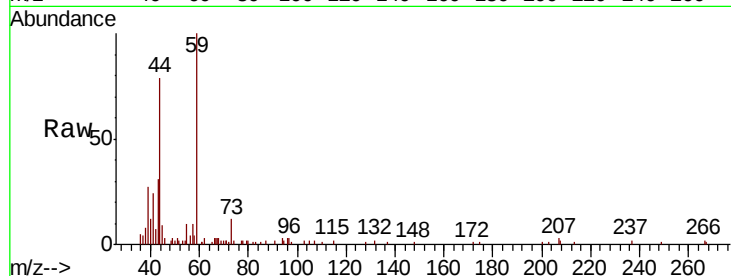




#11
Tert butyl alcohol
Concen: 117.214 ug/l
RT: 2.68 min Scan# 207
Delta R.T. 0.01 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

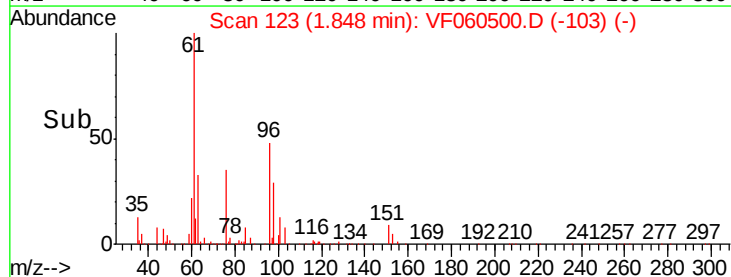
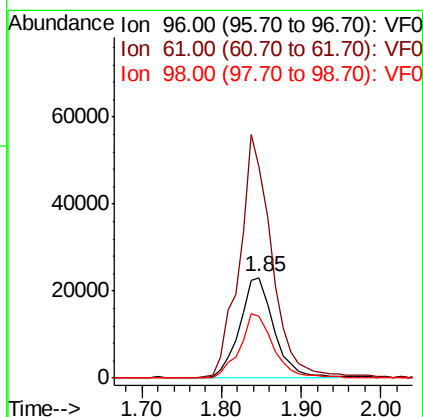
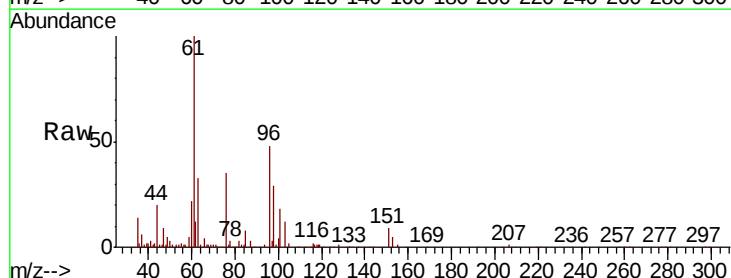
Instrument :
MSVOA_F
ClientSampleId :
VF1009SBSD01

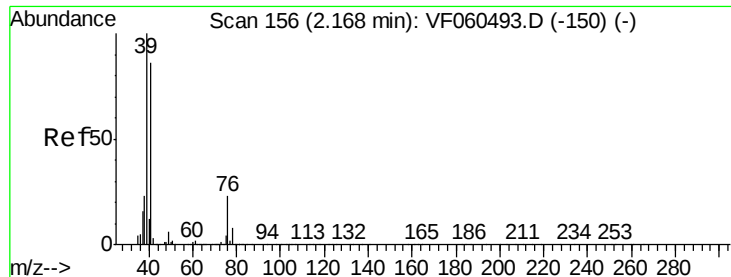
Tgt Ion: 59 Resp: 24456
Ion Ratio Lower Upper
59 100
57 10.2 10.2 15.2



#12
1,1-Dichloroethene
Concen: 21.218 ug/l
RT: 1.85 min Scan# 123
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Tgt Ion: 96 Resp: 68802
Ion Ratio Lower Upper
96 100
61 210.0 161.9 242.9
98 61.4 47.4 71.2





#14

Allyl chloride

Concen: 22.353 ug/l

RT: 2.17 min Scan# 156

Delta R.T. 0.01 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBSD01

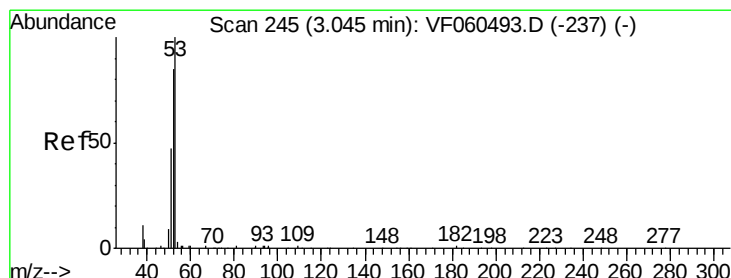
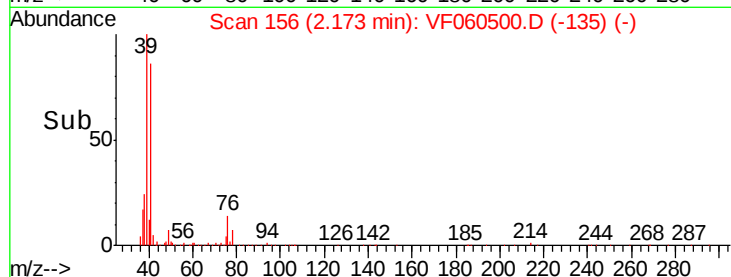
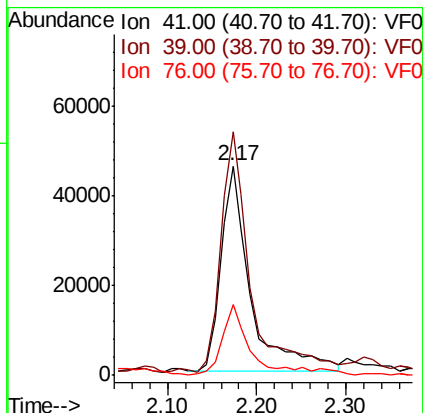
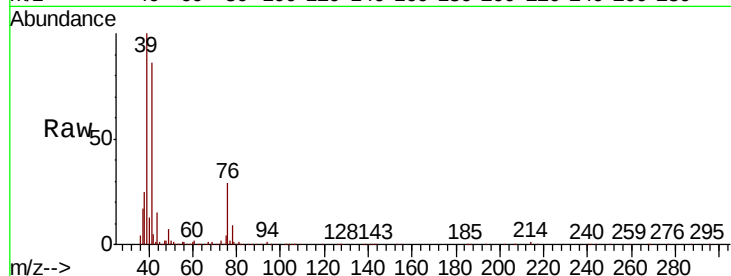
Tgt Ion: 41 Resp: 106841

Ion Ratio Lower Upper

41 100

39 116.2 93.1 139.7

76 34.1 21.6 32.4#



#15

Acrylonitrile

Concen: 105.594 ug/l

RT: 3.06 min Scan# 246

Delta R.T. 0.01 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

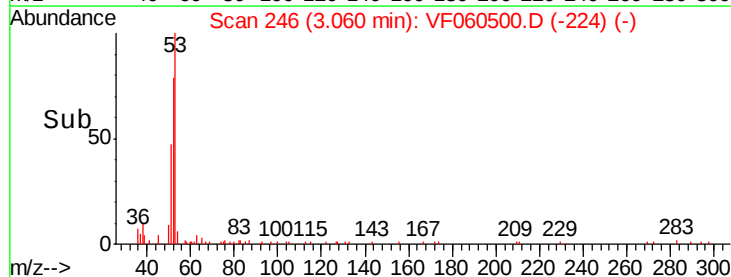
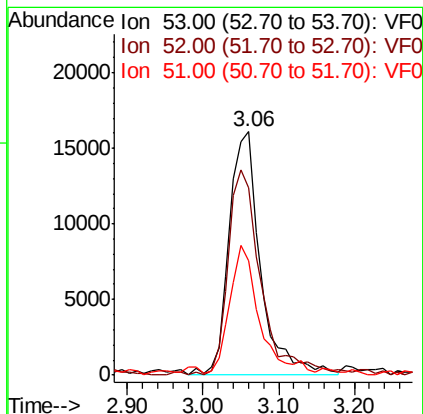
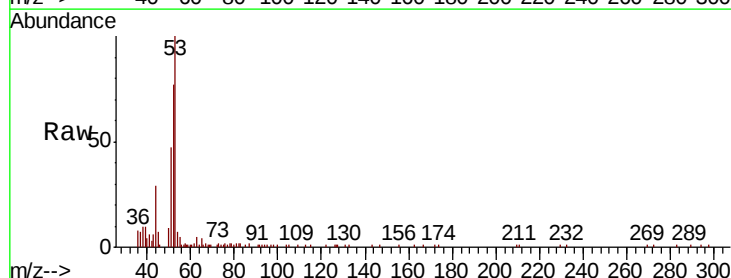
Tgt Ion: 53 Resp: 46382

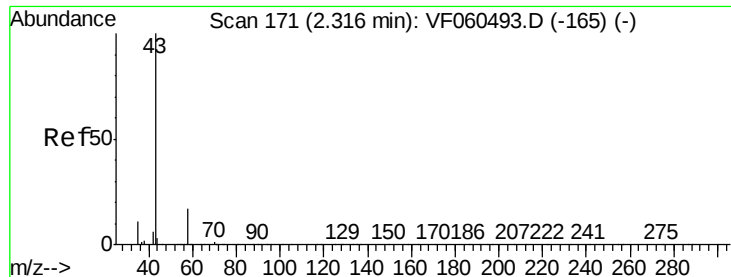
Ion Ratio Lower Upper

53 100

52 77.1 67.5 101.3

51 46.7 38.2 57.4





#16

Acetone

Concen: 105.806 ug/l

RT: 2.33 min Scan# 172

Delta R.T. 0.02 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

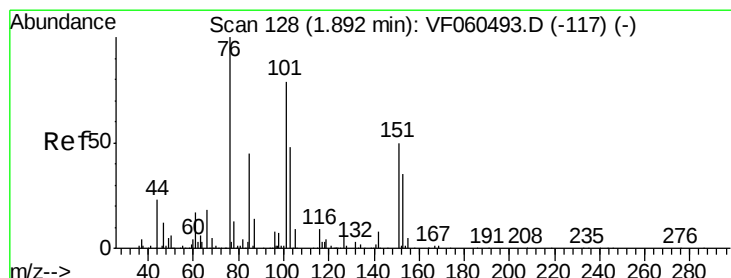
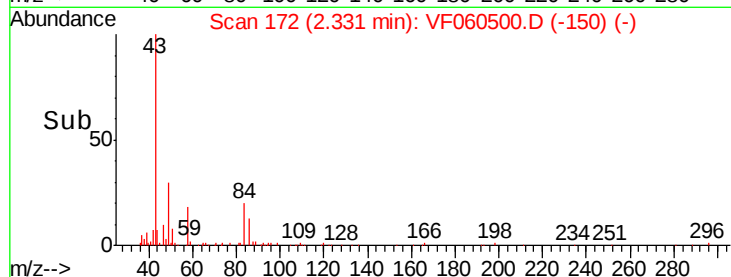
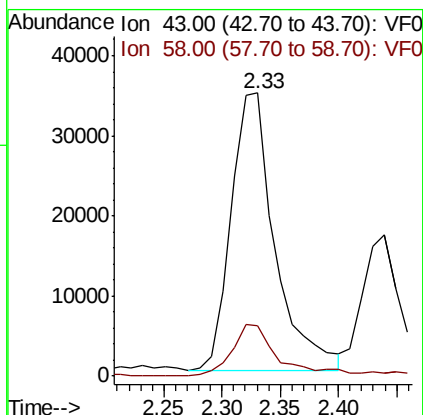
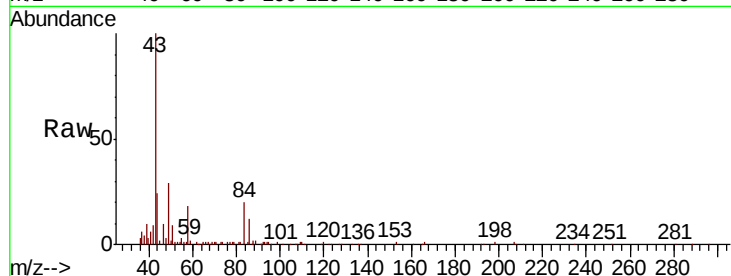
VF1009SBSD01

Tgt Ion: 43 Resp: 91232

Ion Ratio Lower Upper

43 100

58 17.8 13.2 19.8



#17

Carbon Disulfide

Concen: 21.984 ug/l

RT: 1.90 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF060500.D

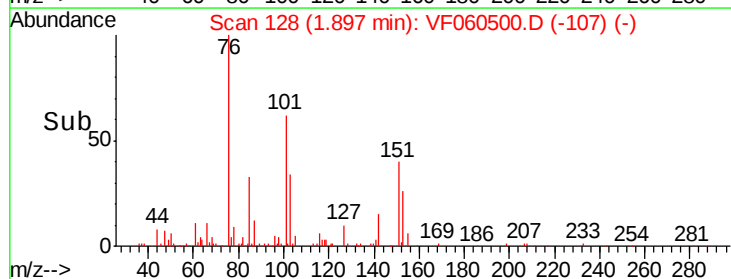
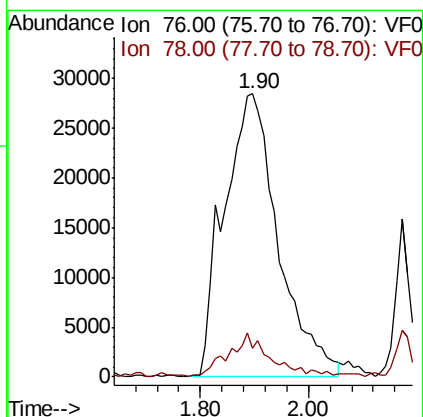
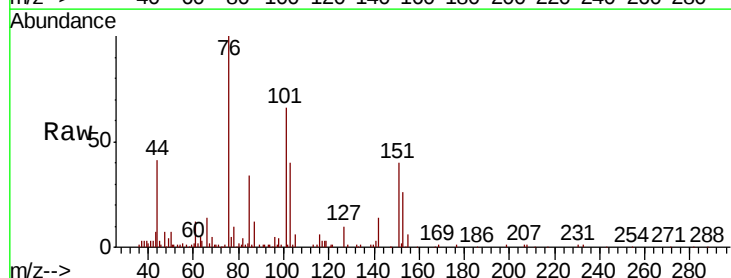
Acq: 9 Oct 2018 20:31

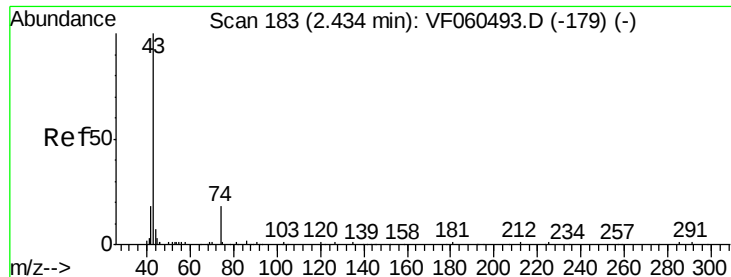
Tgt Ion: 76 Resp: 198245

Ion Ratio Lower Upper

76 100

78 10.2 10.5 15.7#

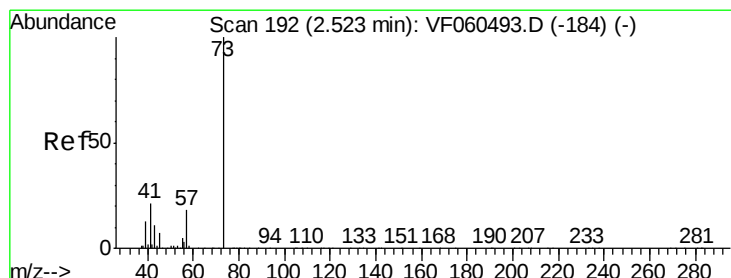
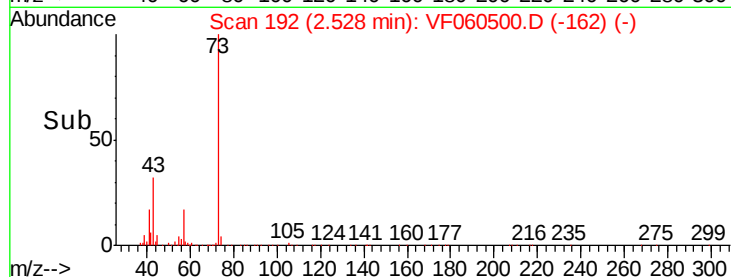
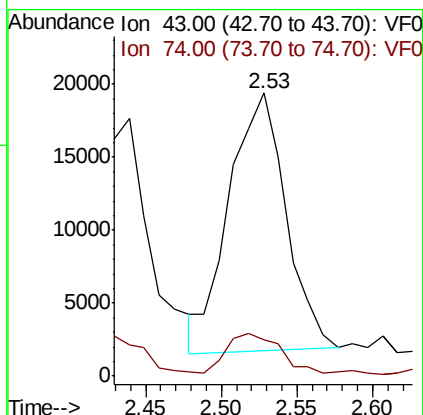
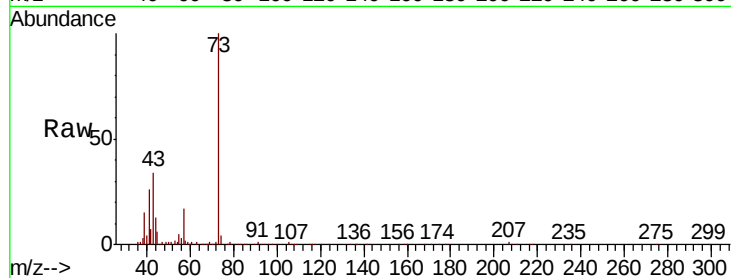




#18
Methyl Acetate
Concen: 30.022 ug/l
RT: 2.53 min Scan# 192
Delta R.T. 0.09 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

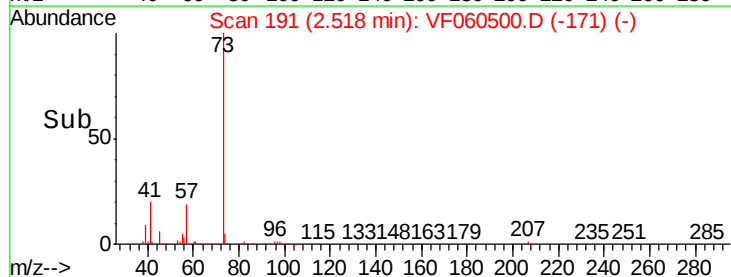
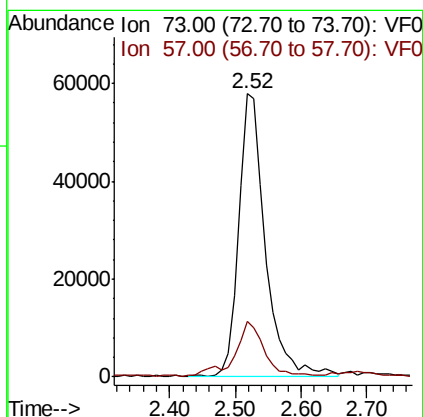
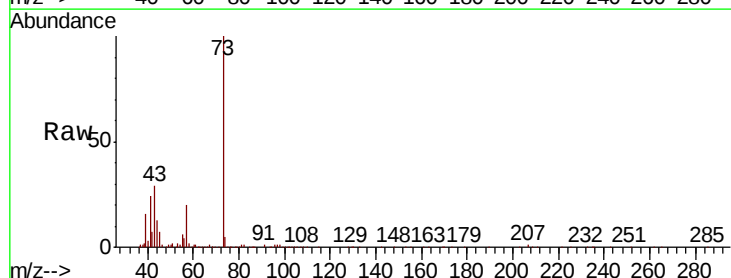
Instrument :
MSVOA_F
ClientSampleId :
VF1009SBSD01

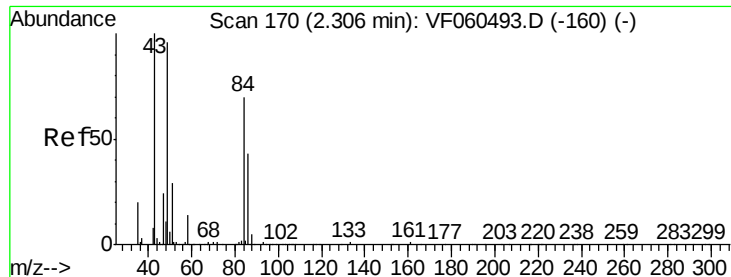
Tgt Ion: 43 Resp: 46297
Ion Ratio Lower Upper
43 100
74 13.0 12.9 19.3



#19
Methyl tert-butyl Ether
Concen: 22.652 ug/l
RT: 2.52 min Scan# 191
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Tgt Ion: 73 Resp: 165346
Ion Ratio Lower Upper
73 100
57 19.5 15.0 22.6

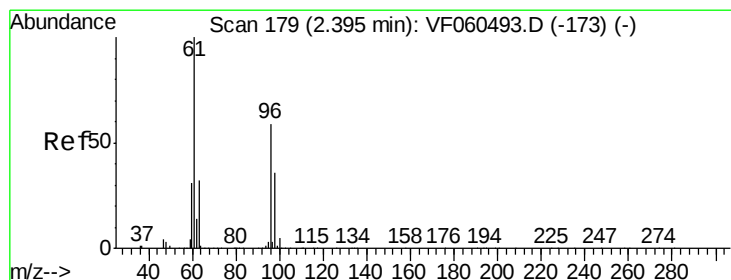
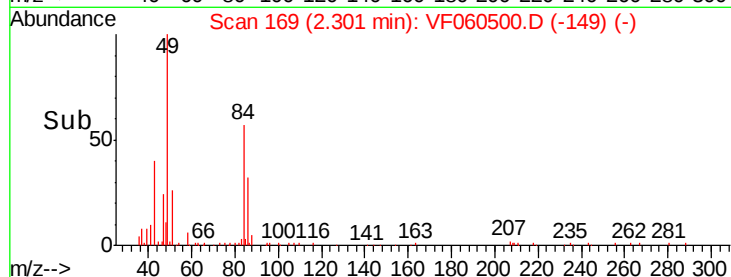
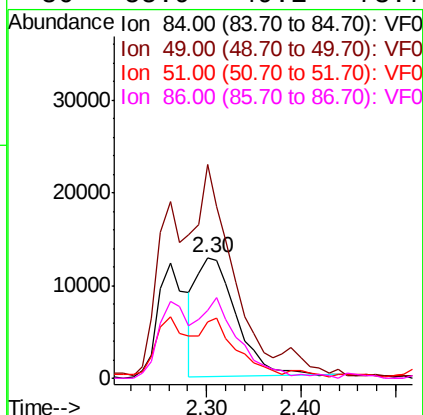
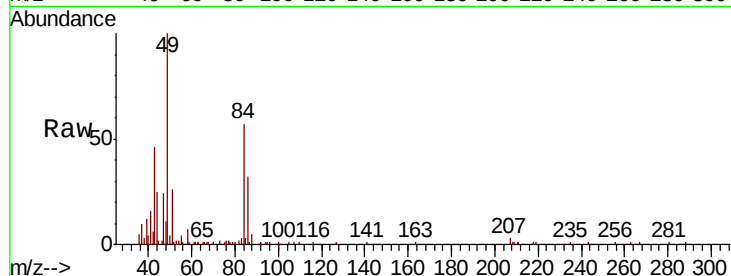




#20
Methylene Chloride
Concen: 12.407 ug/l
RT: 2.30 min Scan# 169
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

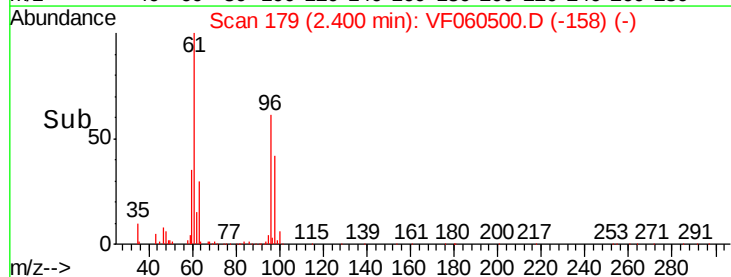
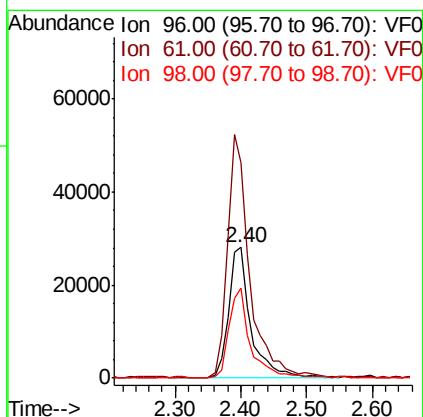
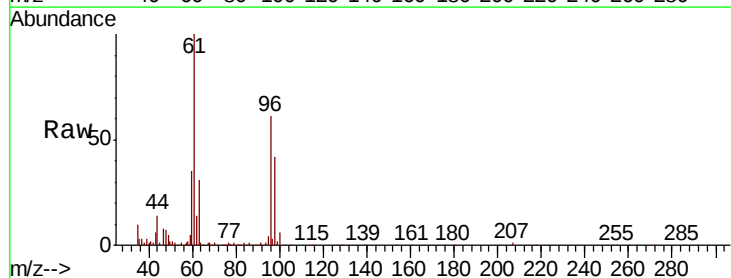
Instrument :
MSVOA_F
ClientSampleId :
VF1009SBSD01

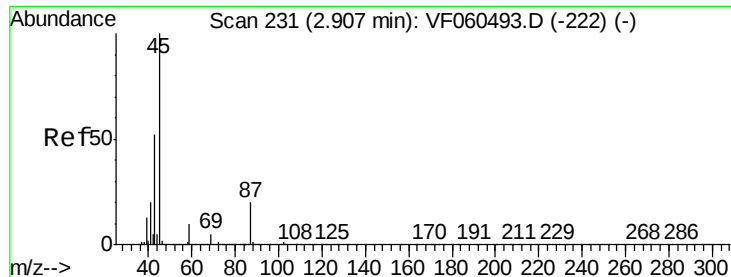
Tgt Ion: 84 Resp: 37581
Ion Ratio Lower Upper
84 100
49 176.9 111.5 167.3#
51 46.7 34.6 52.0
86 55.9 49.1 73.7



#21
trans-1,2-Dichloroethene
Concen: 22.241 ug/l
RT: 2.40 min Scan# 179
Delta R.T. 0.01 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Tgt Ion: 96 Resp: 67313
Ion Ratio Lower Upper
96 100
61 165.0 136.2 204.4
98 69.0 49.7 74.5





#22

Diisopropyl ether

Concen: 21.396 ug/l

RT: 2.90 min Scan# 230

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

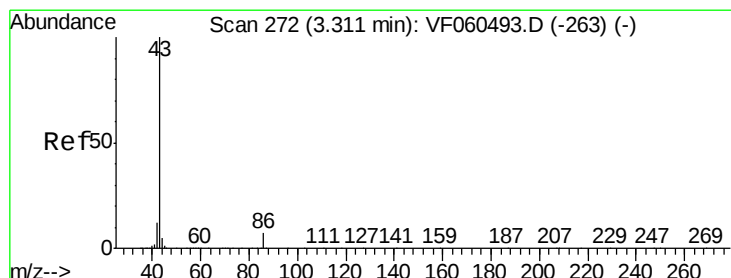
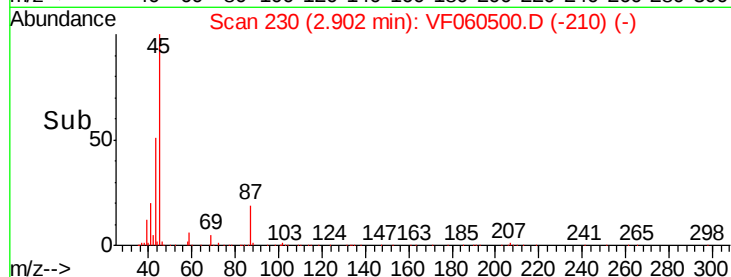
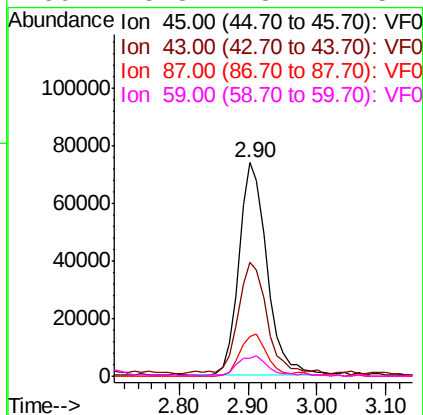
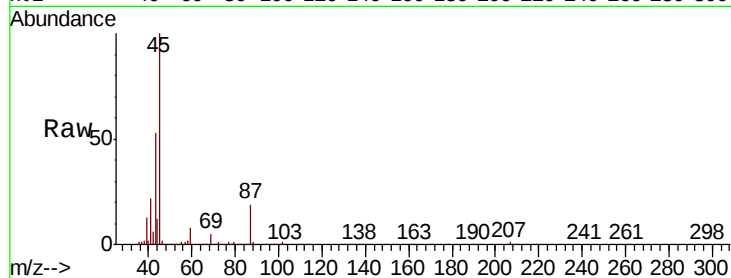
Instrument :

MSVOA_F

ClientSampleId :

VF1009SBSD01

Tgt Ion:	45	Resp:	210224
Ion	Ratio	Lower	Upper
45	100		
43	53.3	41.8	62.8
87	18.7	15.7	23.5
59	8.3	8.7	13.1#



#23

Vinyl Acetate

Concen: 108.900 ug/l

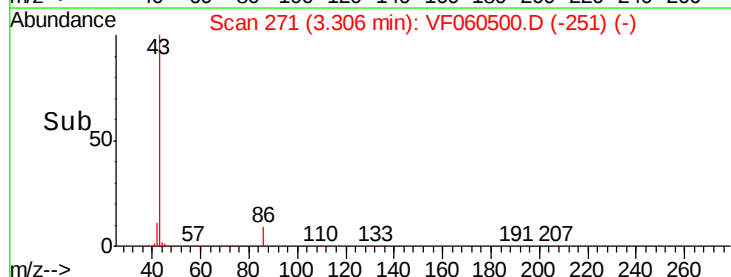
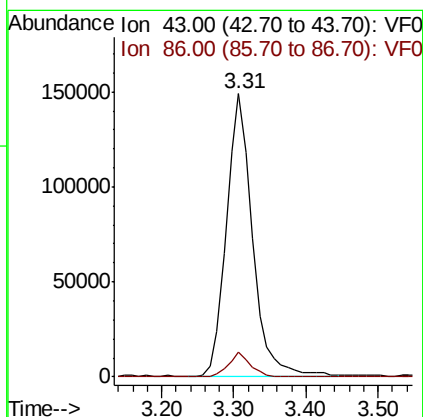
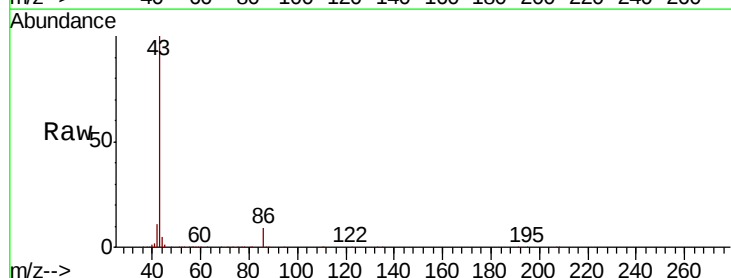
RT: 3.31 min Scan# 271

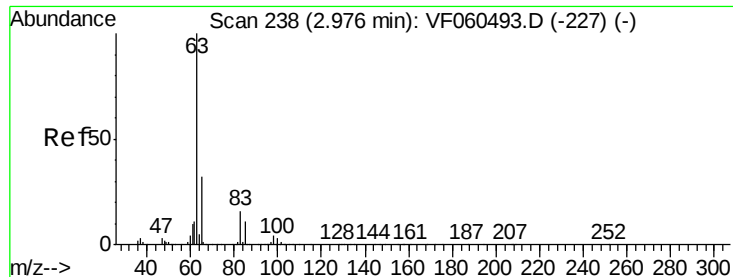
Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Tgt Ion:	43	Resp:	374558
Ion	Ratio	Lower	Upper
43	100		
86	8.6	5.8	8.8





#24

1,1-Dichloroethane

Concen: 21.353 ug/l

RT: 2.98 min Scan# 238

Delta R.T. 0.01 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBSD01

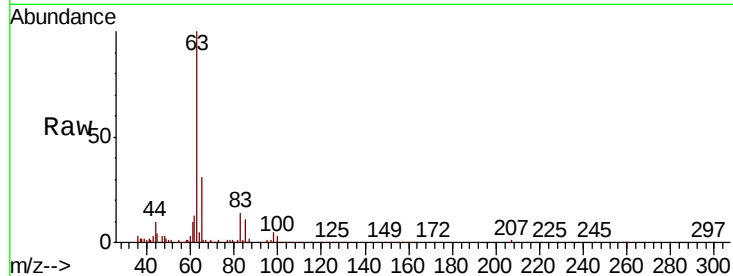
Tgt Ion: 63 Resp: 140797

Ion Ratio Lower Upper

63 100

98 4.5 2.2 6.6

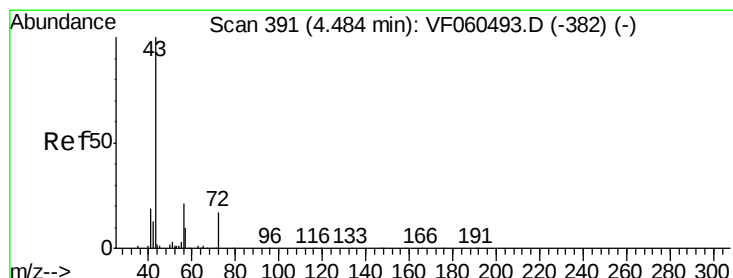
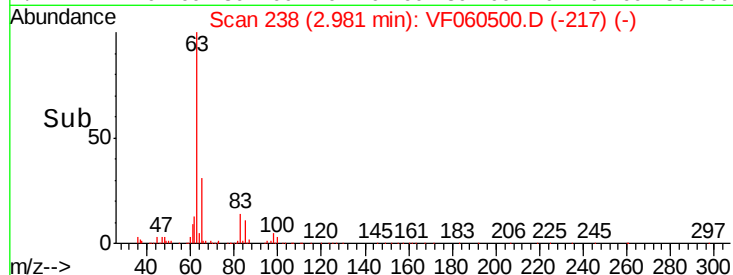
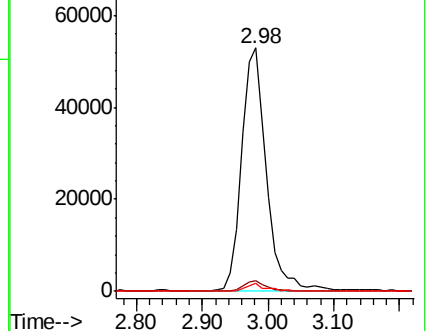
100 3.3 1.5 4.4



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#25

2-Butanone

Concen: 111.972 ug/l

RT: 4.48 min Scan# 390

Delta R.T. -0.00 min

Lab File: VF060500.D

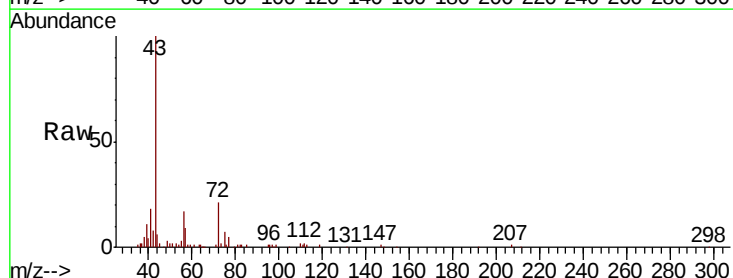
Acq: 9 Oct 2018 20:31

Tgt Ion: 43 Resp: 106350

Ion Ratio Lower Upper

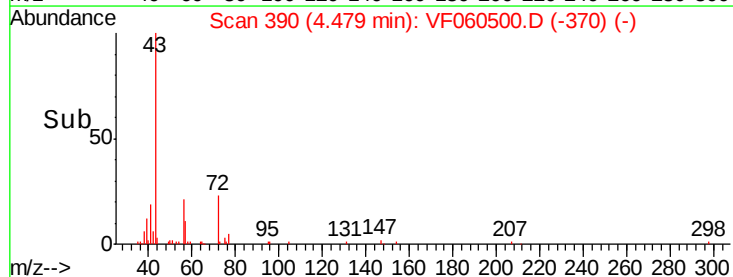
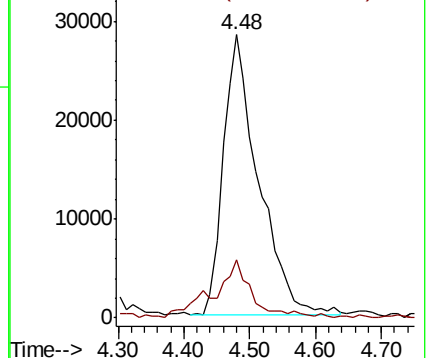
43 100

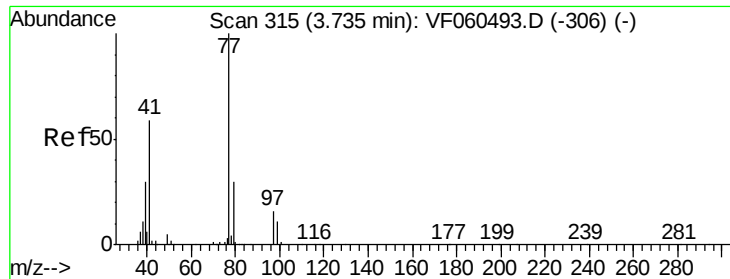
72 20.5 15.0 22.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#26

2,2-Dichloropropane

Concen: 20.186 ug/l

RT: 3.72 min Scan# 313

Delta R.T. -0.01 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

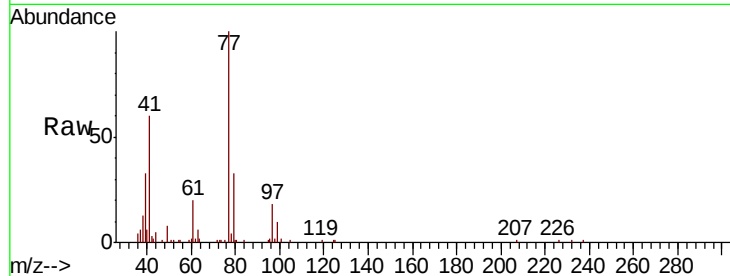
VF1009SBSD01

Tgt Ion: 77 Resp: 69398

Ion Ratio Lower Upper

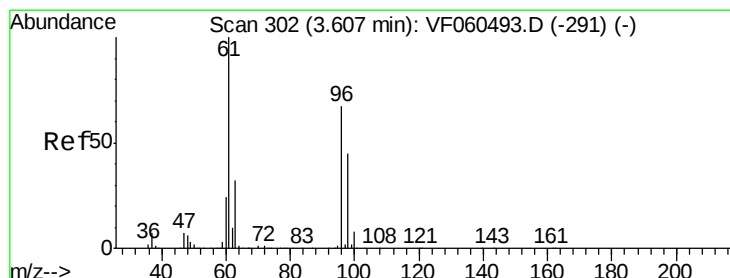
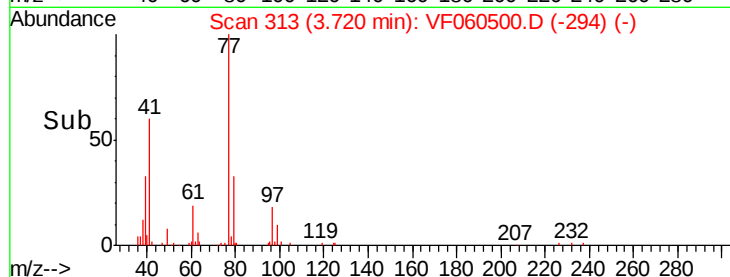
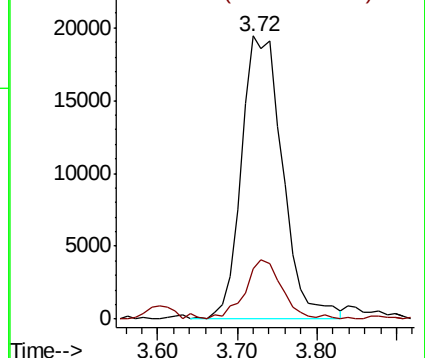
77 100

97 17.7 8.6 25.7



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: 21.538 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

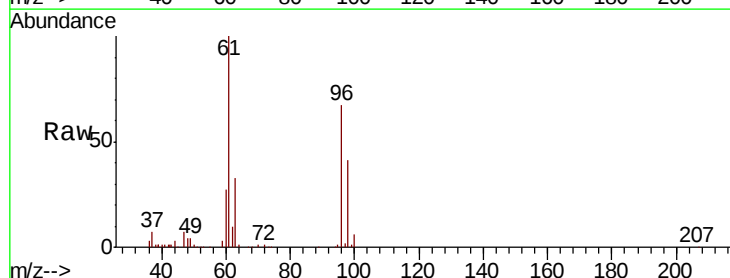
Tgt Ion: 96 Resp: 76092

Ion Ratio Lower Upper

96 100

61 149.2 0.0 298.0

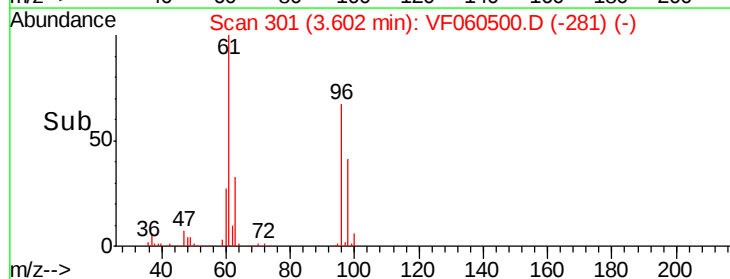
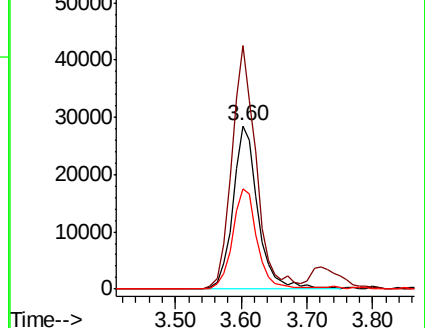
98 61.2 0.0 135.0

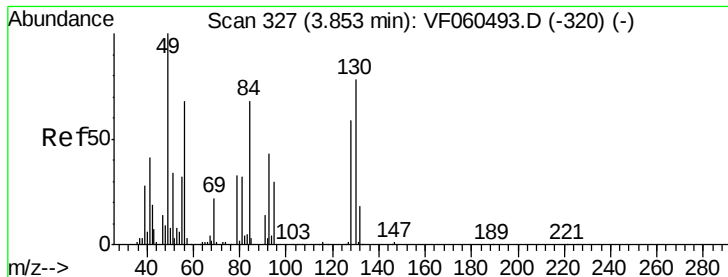


Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#28

Bromochloromethane

Concen: 20.269 ug/l

RT: 3.85 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBSD01

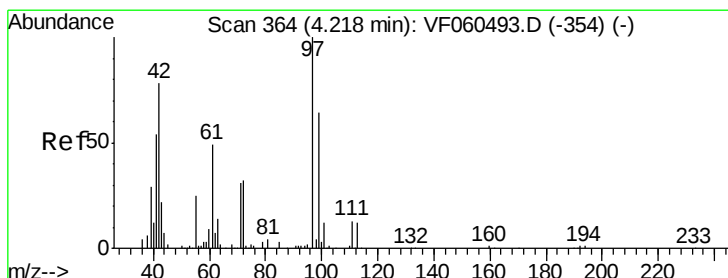
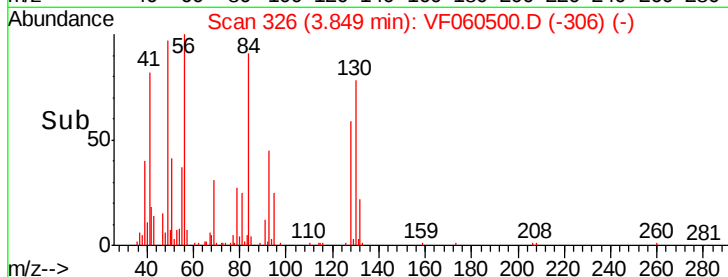
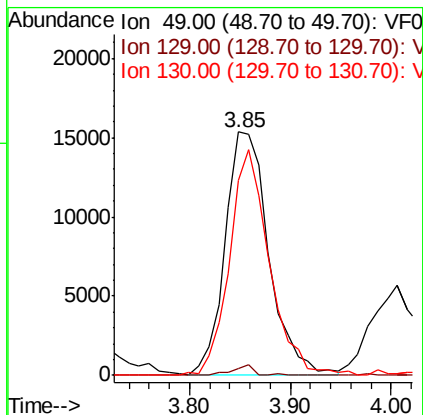
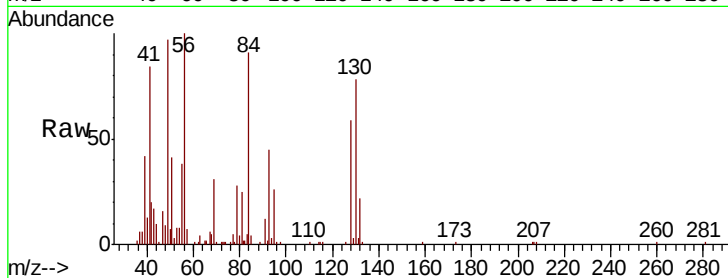
Tgt Ion: 49 Resp: 46420

Ion Ratio Lower Upper

49 100

129 3.1 0.0 0.0#

130 80.0 62.2 93.2



#29

Tetrahydrofuran

Concen: 113.310 ug/l

RT: 4.22 min Scan# 364

Delta R.T. 0.01 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

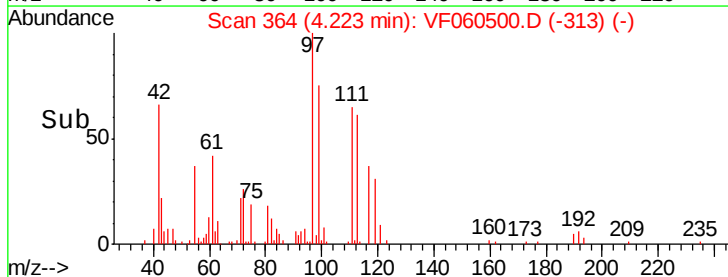
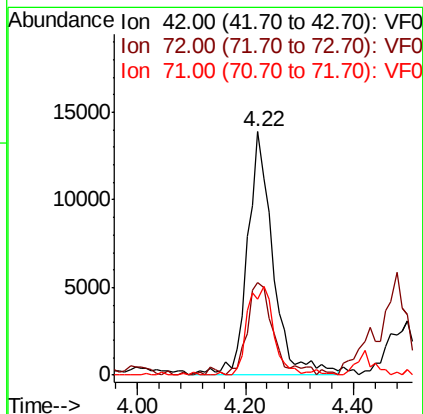
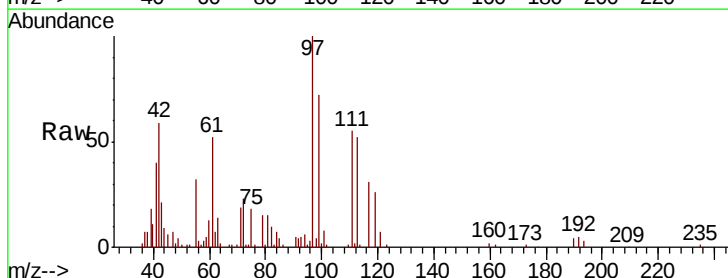
Tgt Ion: 42 Resp: 45367

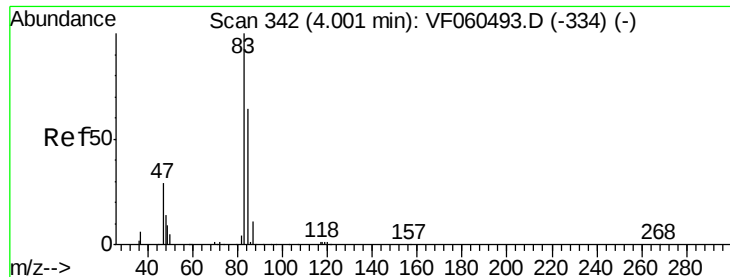
Ion Ratio Lower Upper

42 100

72 36.3 31.9 47.9

71 37.4 33.4 50.0

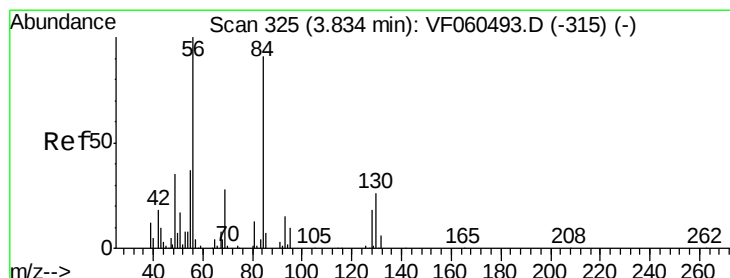
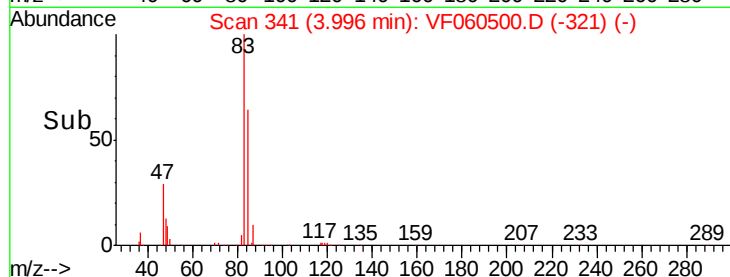
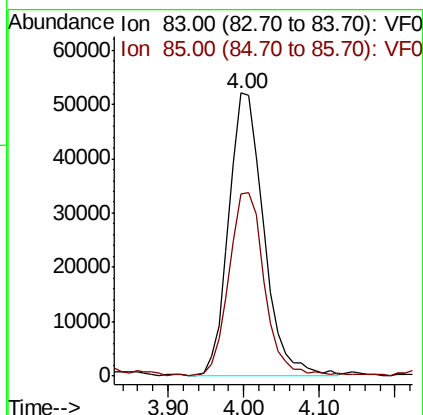
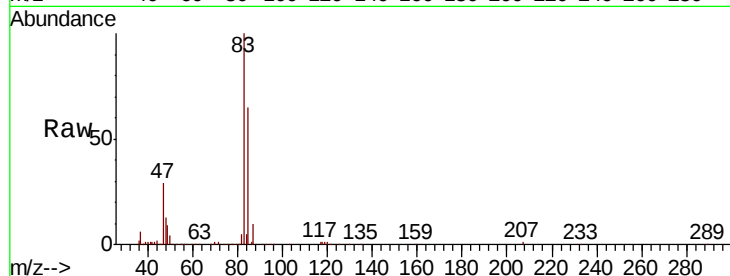




#30
Chloroform
Concen: 21.725 ug/l
RT: 4.00 min Scan# 341
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

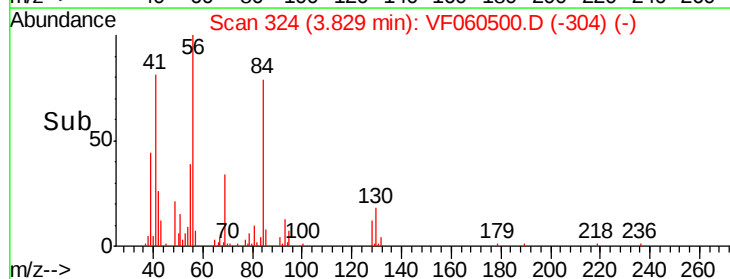
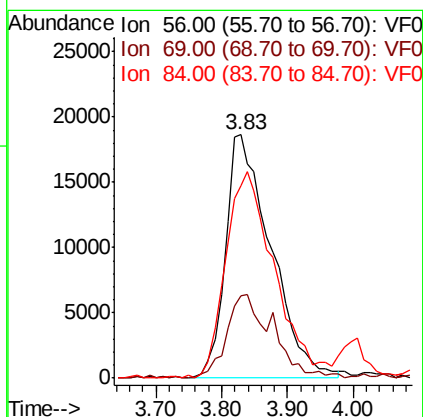
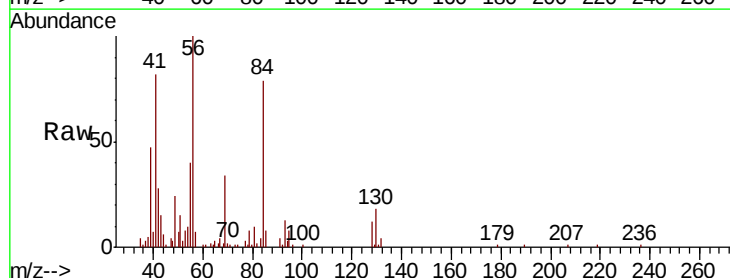
Instrument :
MSVOA_F
ClientSampleId :
VF1009SBSD01

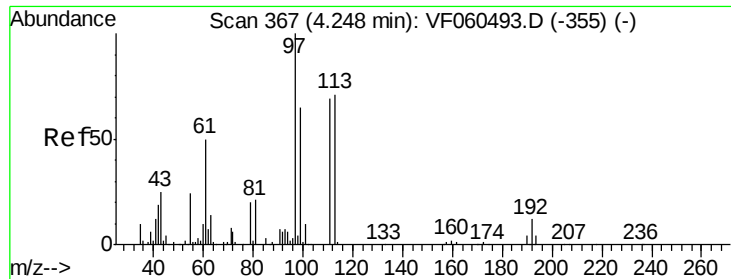
Tgt Ion: 83 Resp: 165771
Ion Ratio Lower Upper
83 100
85 64.6 51.7 77.5



#31
Cyclohexane
Concen: 21.264 ug/l
RT: 3.83 min Scan# 324
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Tgt Ion: 56 Resp: 89696
Ion Ratio Lower Upper
56 100
69 33.7 22.7 34.1
84 78.9 73.1 109.7





#32

1,1,1-Trichloroethane

Concen: 22.104 ug/l

RT: 4.23 min Scan# 365

Delta R.T. -0.01 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBSD01

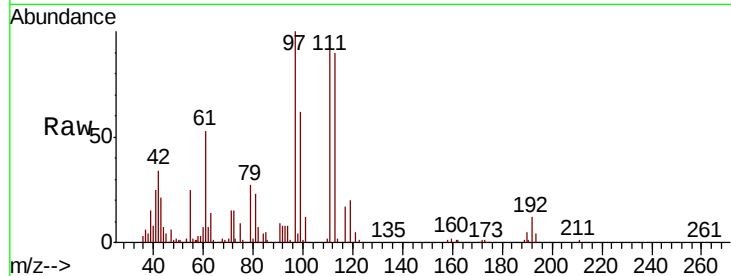
Tgt Ion: 97 Resp: 132869

Ion Ratio Lower Upper

97 100

99 62.2 52.3 78.5

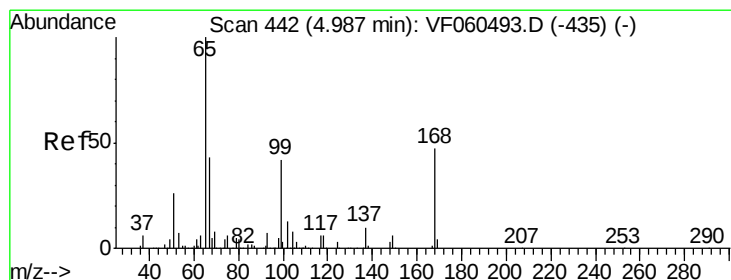
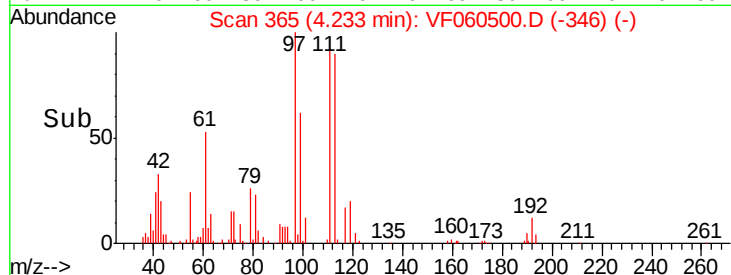
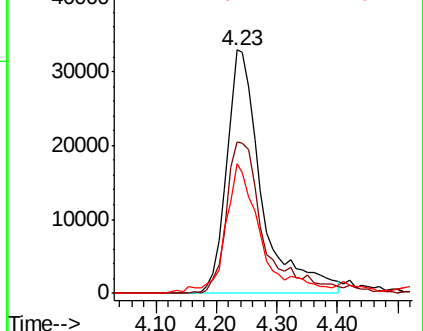
61 53.3 39.8 59.8



Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 52.604 ug/l

RT: 4.98 min Scan# 441

Delta R.T. -0.00 min

Lab File: VF060500.D

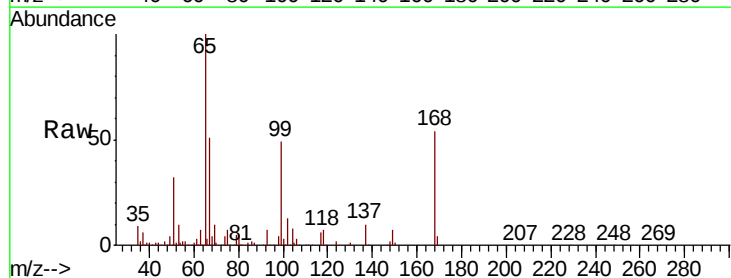
Acq: 9 Oct 2018 20:31

Tgt Ion: 65 Resp: 209462

Ion Ratio Lower Upper

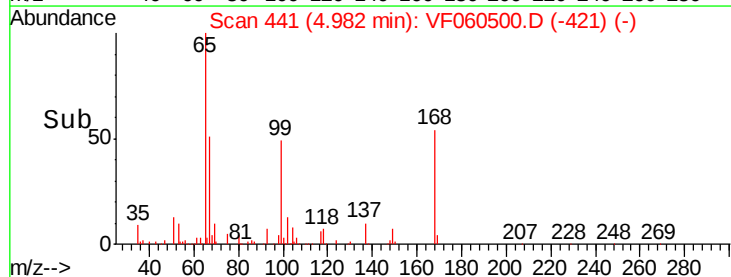
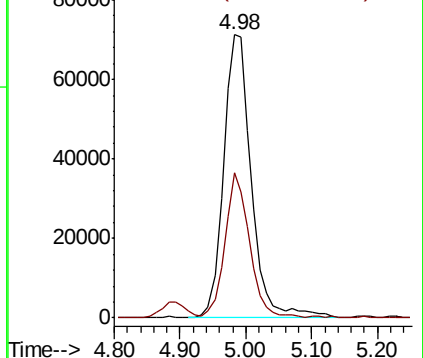
65 100

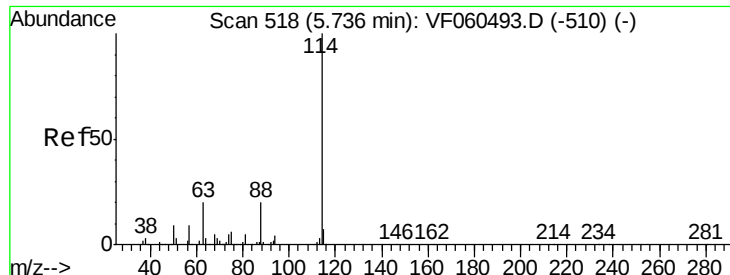
67 51.1 0.0 94.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.73 min Scan# 517

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBSD01

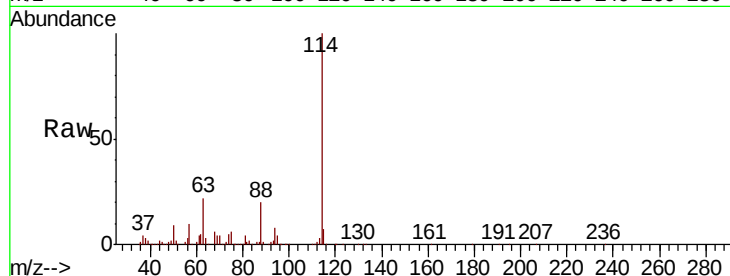
Tgt Ion:114 Resp: 421442

Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.2

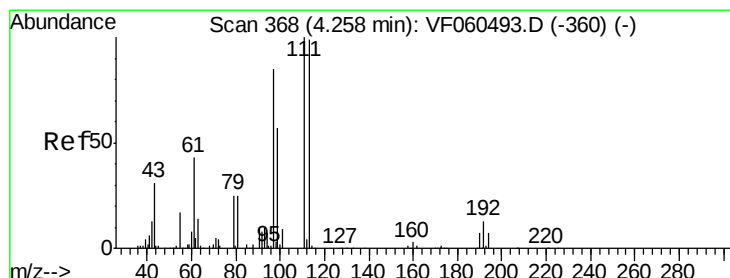
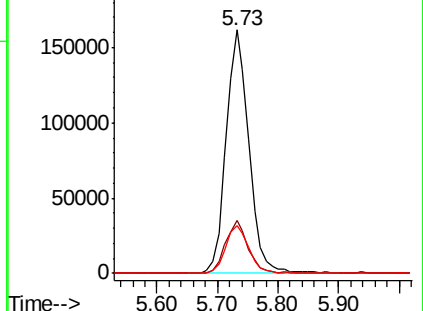
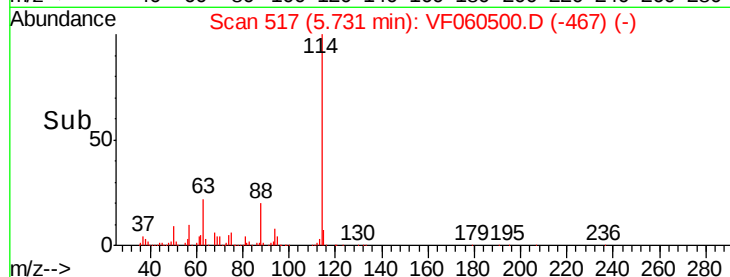
88 19.8 0.0 40.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 56.100 ug/l

RT: 4.26 min Scan# 368

Delta R.T. 0.01 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

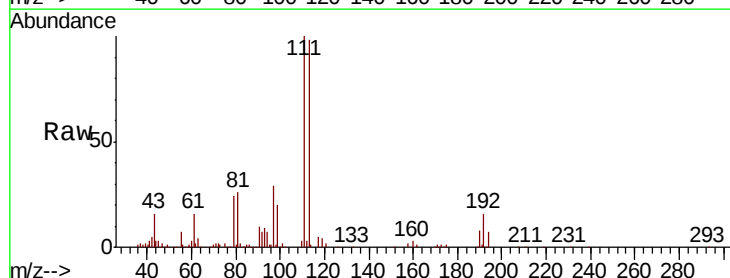
Tgt Ion:113 Resp: 217631

Ion Ratio Lower Upper

113 100

111 102.1 81.0 121.6

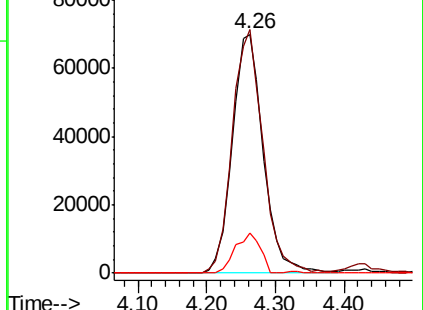
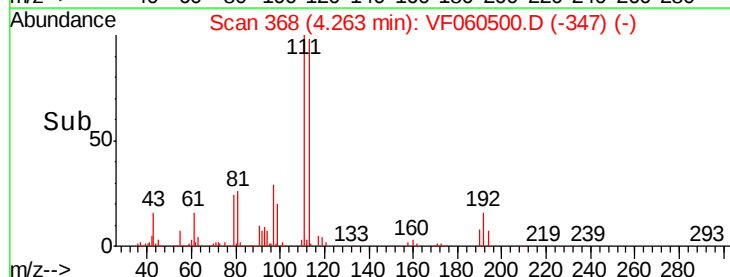
192 16.6 10.7 16.1#

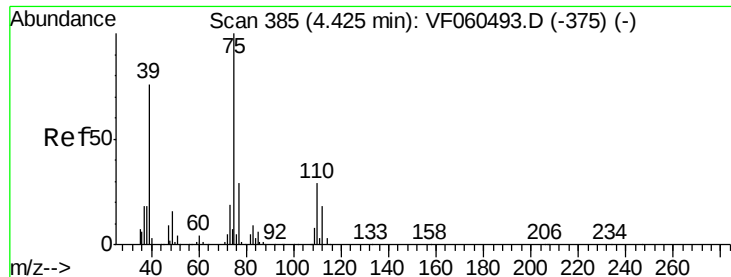


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#36

1,1-Dichloropropene

Concen: 21.751 ug/l

RT: 4.42 min Scan# 384

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBSD01

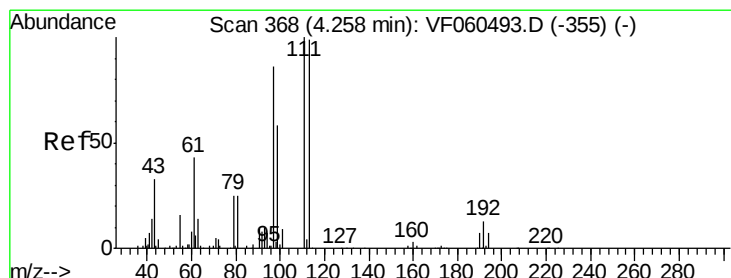
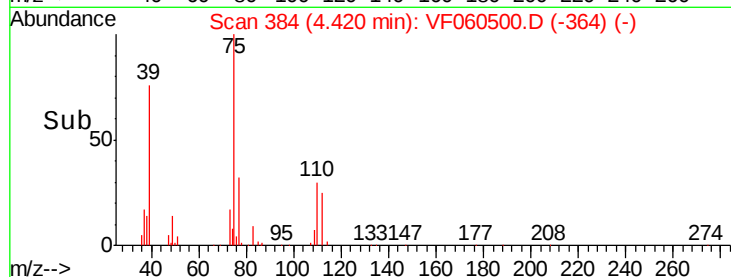
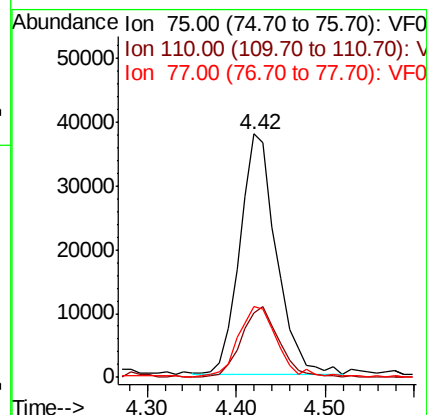
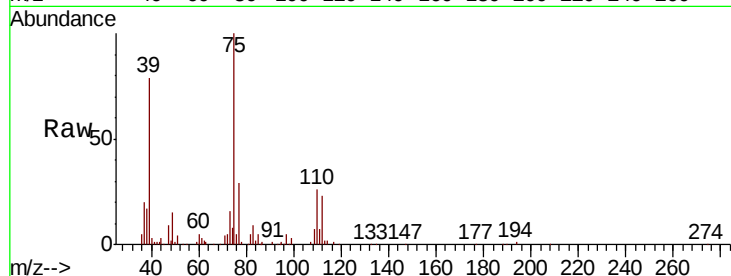
Tgt Ion: 75 Resp: 106628

Ion Ratio Lower Upper

75 100

110 26.4 14.4 43.2

77 29.1 23.5 35.3



#37

Ethyl Acetate

Concen: 25.333 ug/l

RT: 4.26 min Scan# 368

Delta R.T. 0.01 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

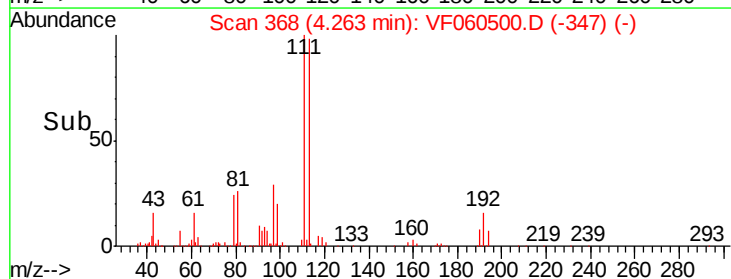
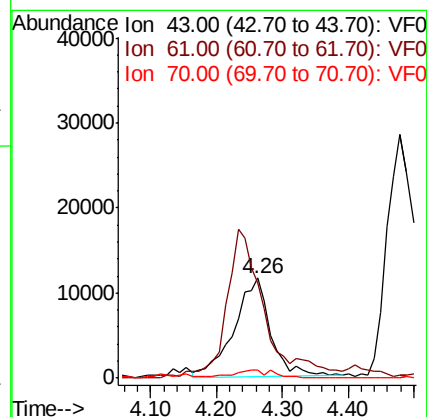
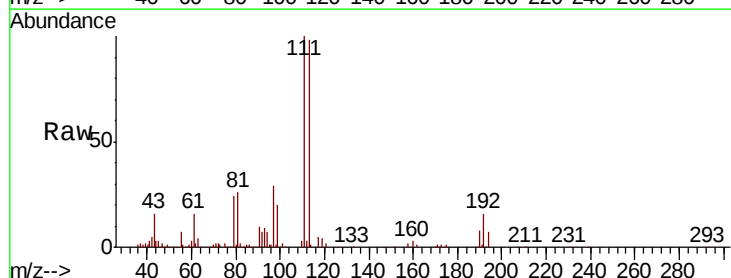
Tgt Ion: 43 Resp: 43866

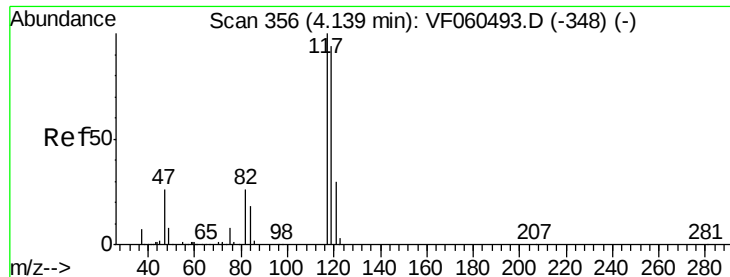
Ion Ratio Lower Upper

43 100

61 95.2 106.5 159.7#

70 8.0 6.5 9.7





#38

Carbon Tetrachloride

Concen: 24.378 ug/l

RT: 4.13 min Scan# 355

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBSD01

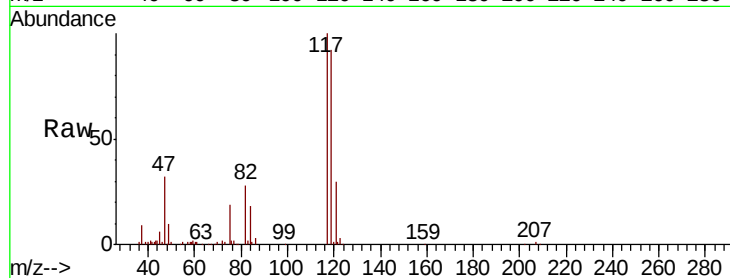
Tgt Ion:117 Resp: 120041

Ion Ratio Lower Upper

117 100

119 92.0 75.0 112.4

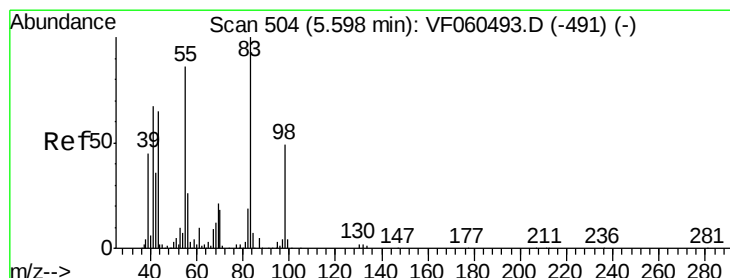
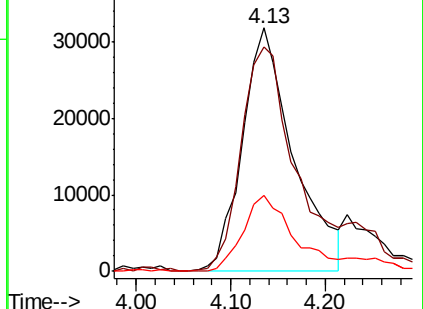
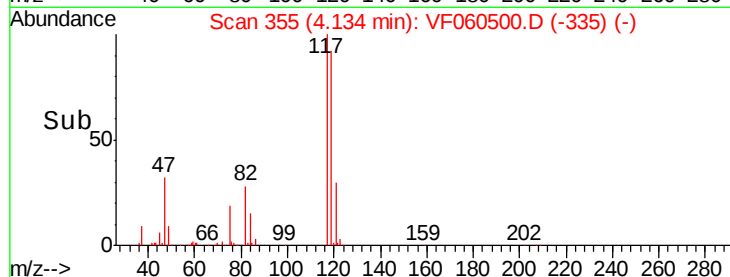
121 31.0 23.8 35.6



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: 21.986 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

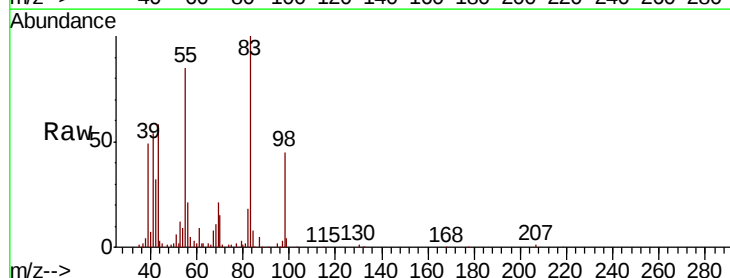
Tgt Ion: 83 Resp: 101479

Ion Ratio Lower Upper

83 100

55 84.8 69.2 103.8

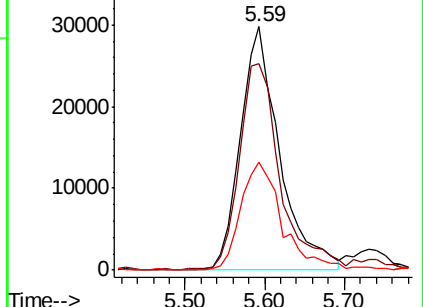
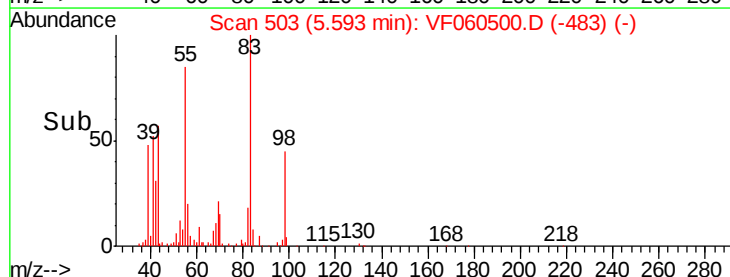
98 44.5 39.6 59.4

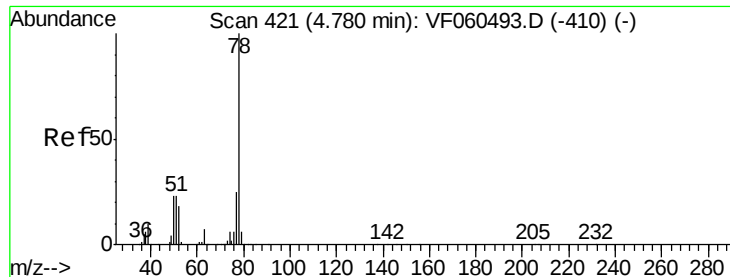


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#40

Benzene

Concen: 21.603 ug/l

RT: 4.78 min Scan# 420

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

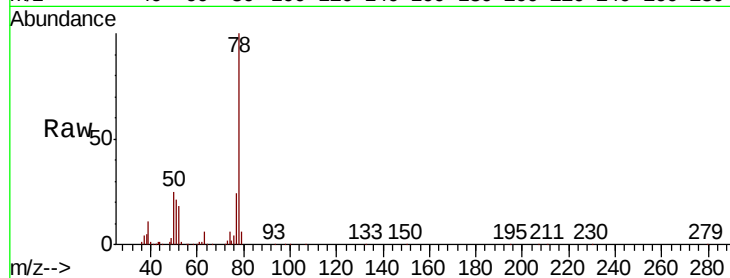
VF1009SBSD01

Tgt Ion: 78 Resp: 217437

Ion Ratio Lower Upper

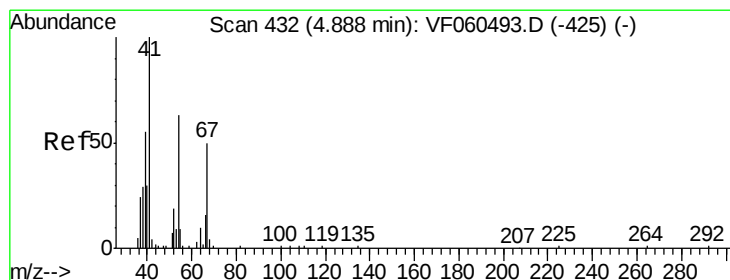
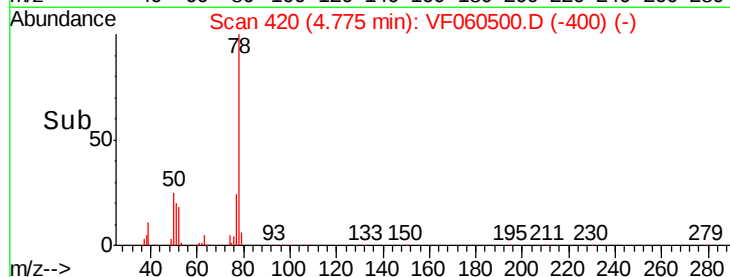
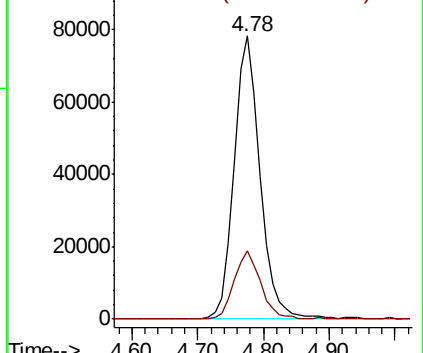
78 100

77 24.2 19.8 29.8



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0



#41

Methacrylonitrile

Concen: 20.847 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.01 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Tgt Ion: 41 Resp: 20510

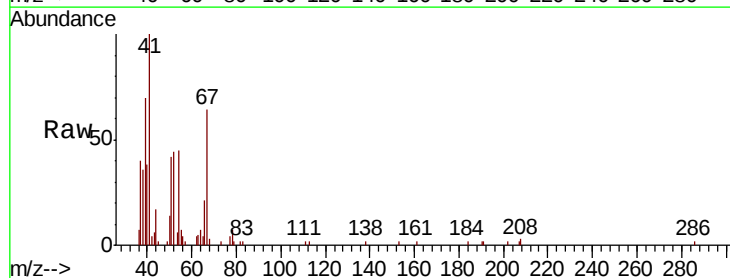
Ion Ratio Lower Upper

41 100

39 70.5 53.1 79.7

67 63.6 39.4 59.0#

52 43.5 35.0 52.6

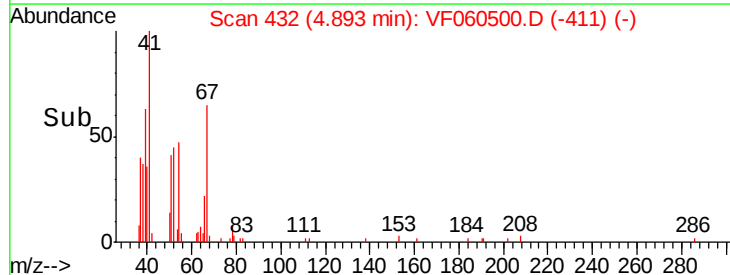
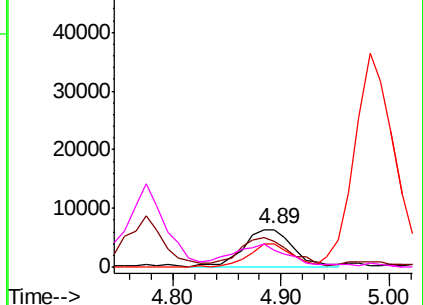


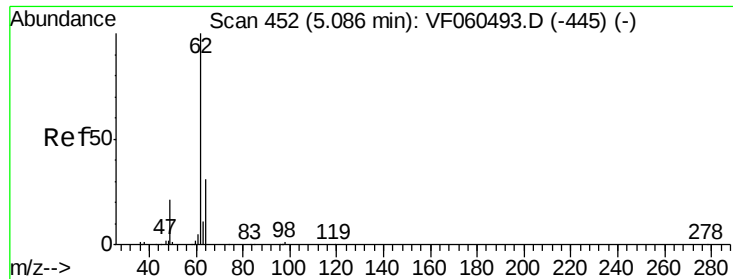
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#42

1,2-Dichloroethane

Concen: 21.253 ug/l

RT: 5.08 min Scan# 451

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

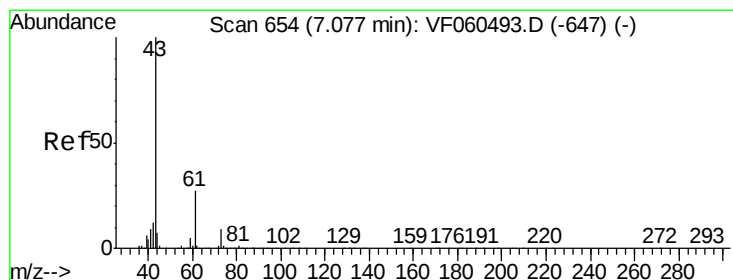
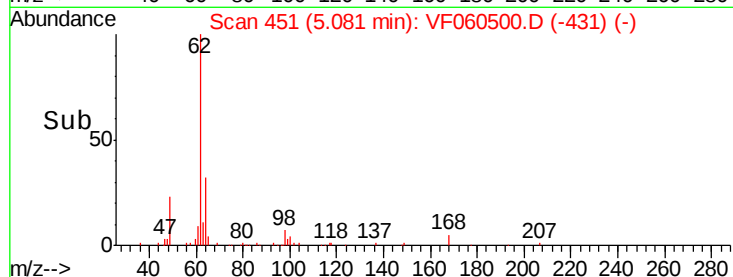
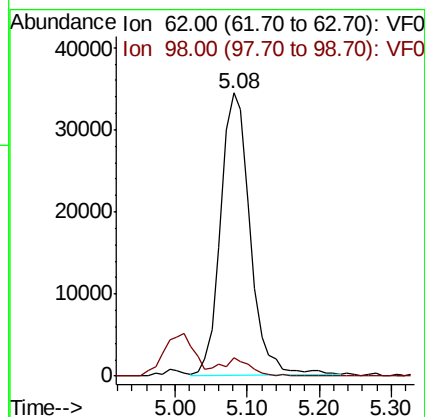
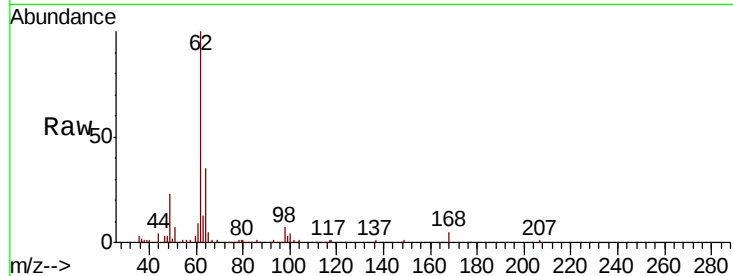
VF1009SBSD01

Tgt Ion: 62 Resp: 97042

Ion Ratio Lower Upper

62 100

98 6.7 0.0 12.8



#43

Isopropyl Acetate

Concen: 22.991 ug/l

RT: 7.08 min Scan# 654

Delta R.T. 0.01 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

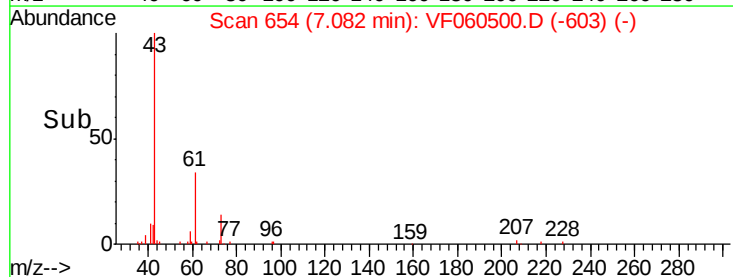
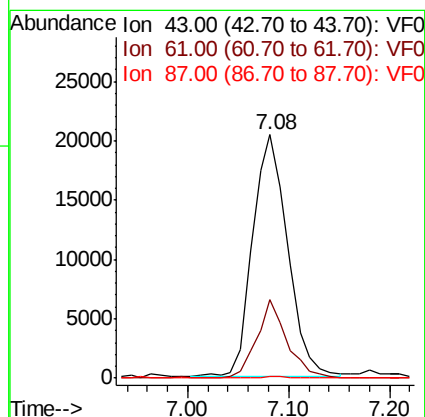
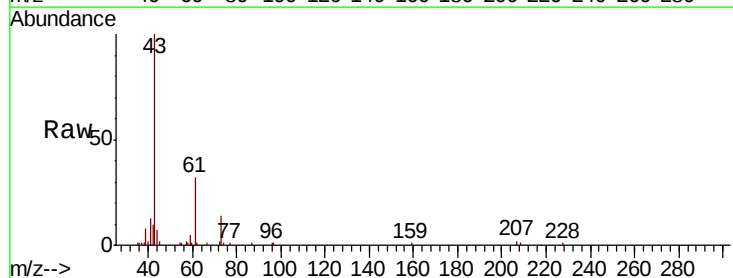
Tgt Ion: 43 Resp: 49618

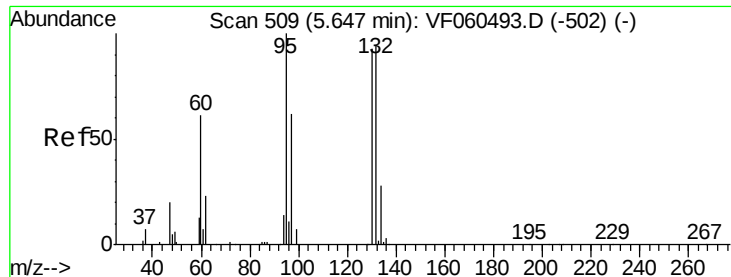
Ion Ratio Lower Upper

43 100

61 32.2 21.6 32.4

87 0.5 0.6 0.8#





#44

Trichloroethene

Concen: 22.252 ug/l

RT: 5.64 min Scan# 508

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

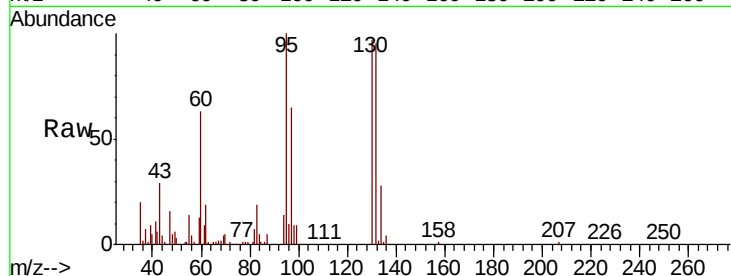
VF1009SBSD01

Tgt Ion:130 Resp: 69769

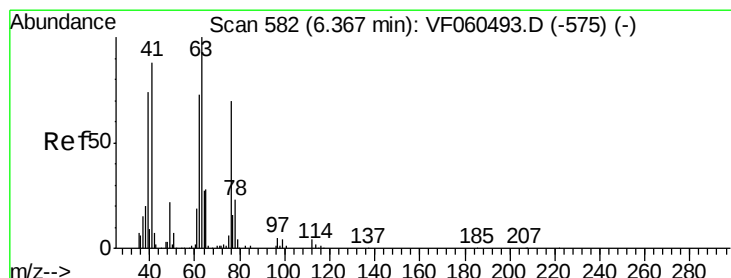
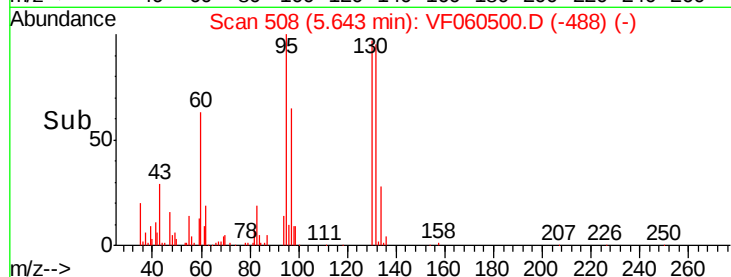
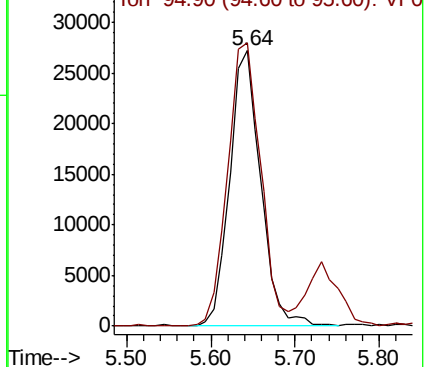
Ion Ratio Lower Upper

130 100

95 102.9 0.0 216.0



Abundance Ion 129.90 (129.60 to 130.60): VF0



#45

1,2-Dichloropropane

Concen: 22.694 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.00 min

Lab File: VF060500.D

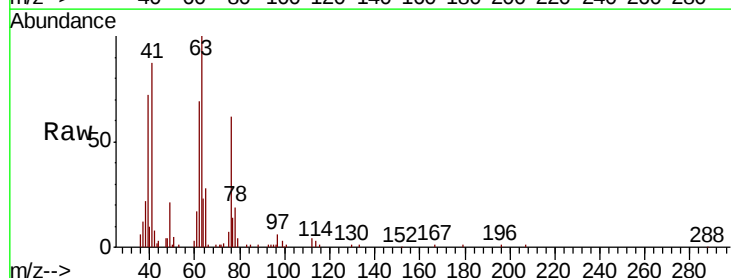
Acq: 9 Oct 2018 20:31

Tgt Ion: 63 Resp: 55916

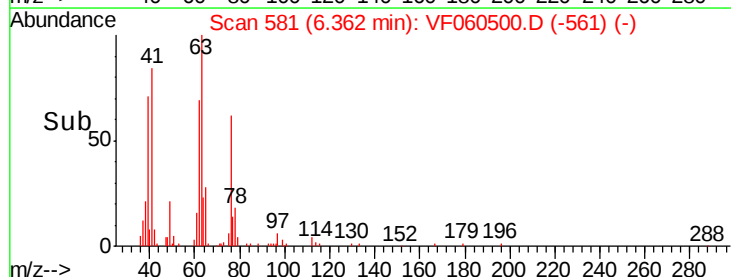
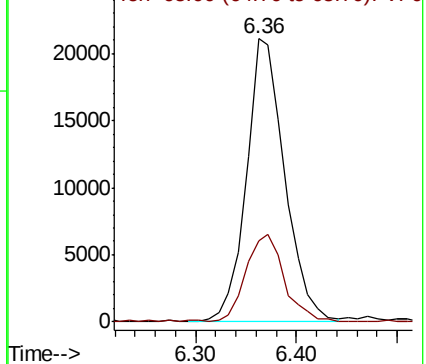
Ion Ratio Lower Upper

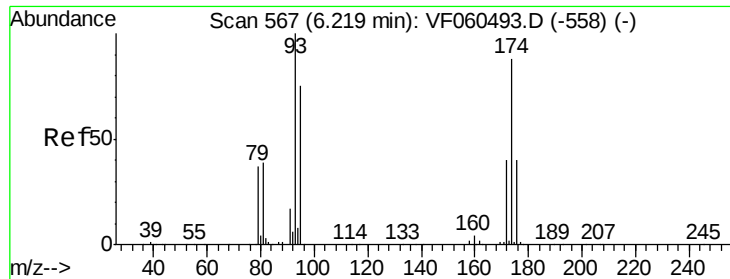
63 100

65 28.5 22.2 33.2



Abundance Ion 63.00 (62.70 to 63.70): VF0

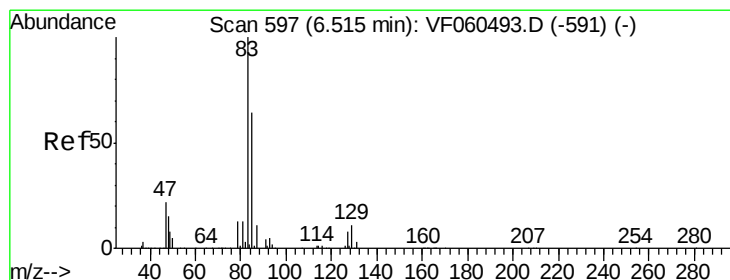
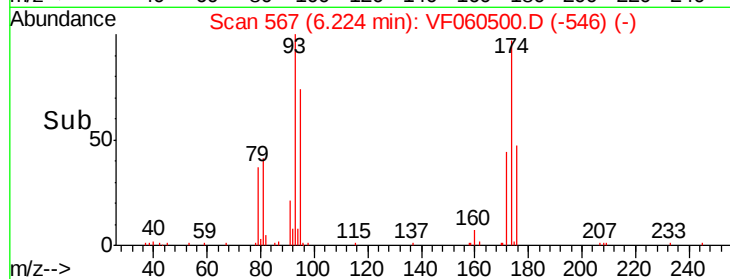
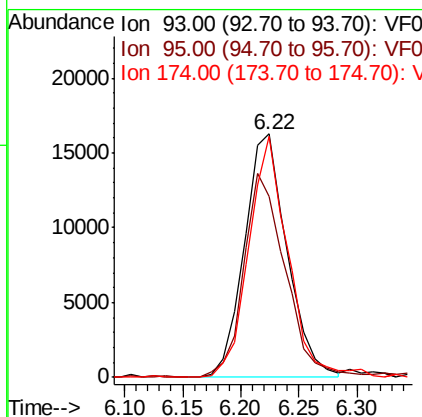
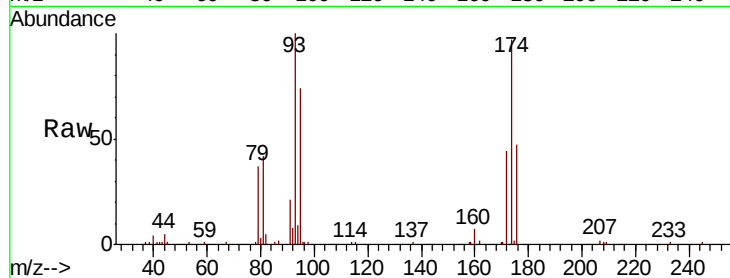




#46
Dibromomethane
Concen: 20.866 ug/l
RT: 6.22 min Scan# 567
Delta R.T. 0.01 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

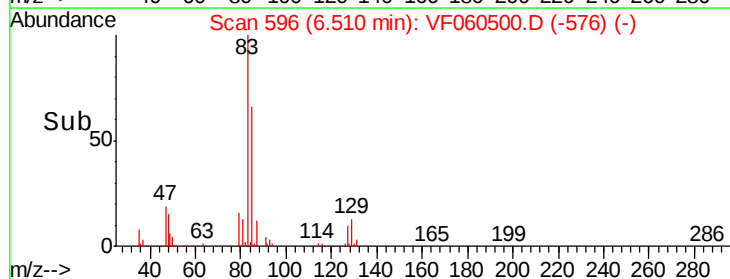
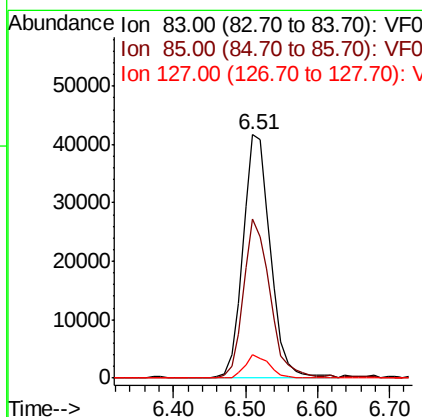
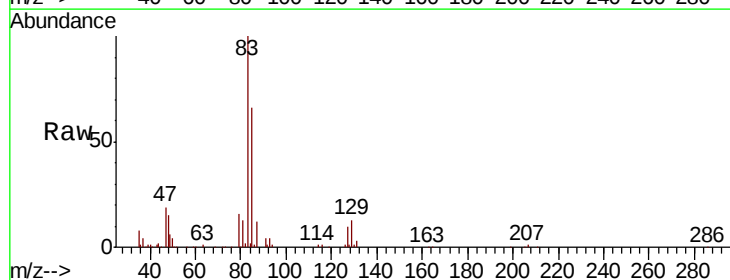
Instrument :
MSVOA_F
ClientSampleId :
VF1009SBSD01

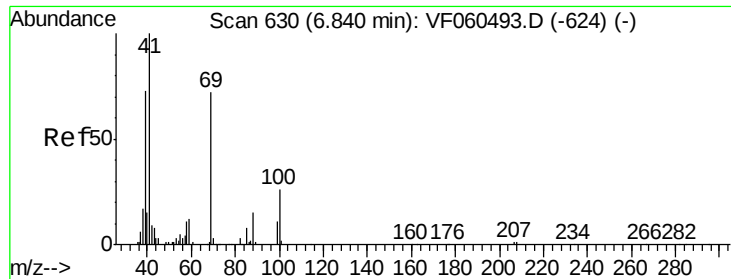
Tgt Ion: 93 Resp: 41238
Ion Ratio Lower Upper
93 100
95 75.2 60.0 90.0
174 99.1 71.0 106.6



#47
Bromodichloromethane
Concen: 22.151 ug/l
RT: 6.51 min Scan# 596
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Tgt Ion: 83 Resp: 110566
Ion Ratio Lower Upper
83 100
85 65.6 51.2 76.8
127 10.9 6.5 9.7#

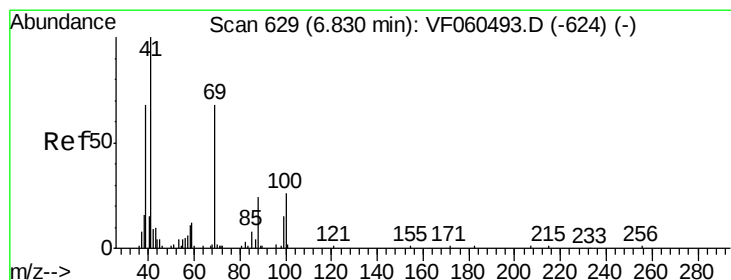
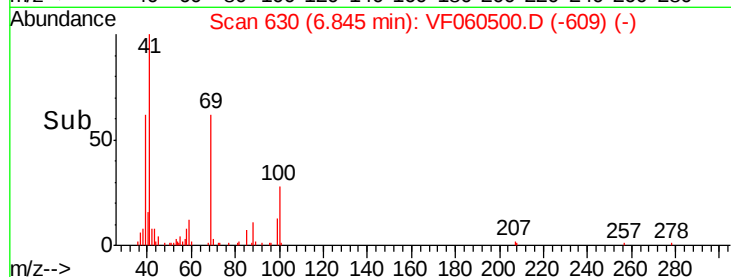
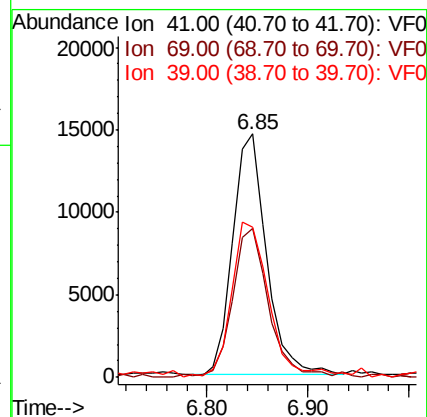
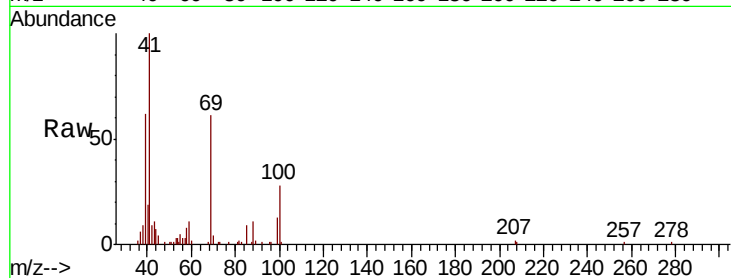




#48
Methyl methacrylate
Concen: 23.164 ug/l
RT: 6.85 min Scan# 630
Delta R.T. 0.01 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

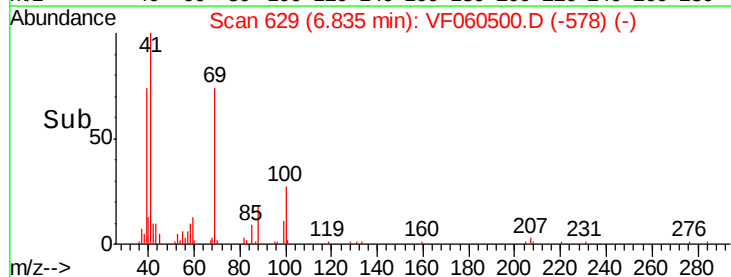
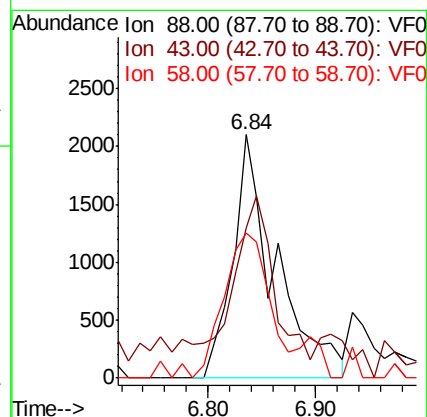
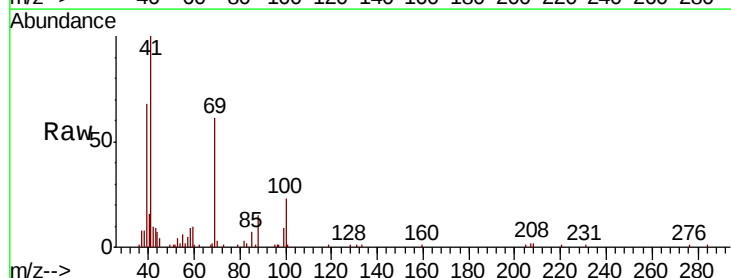
Instrument :
MSVOA_F
ClientSampleId :
VF1009SBSD01

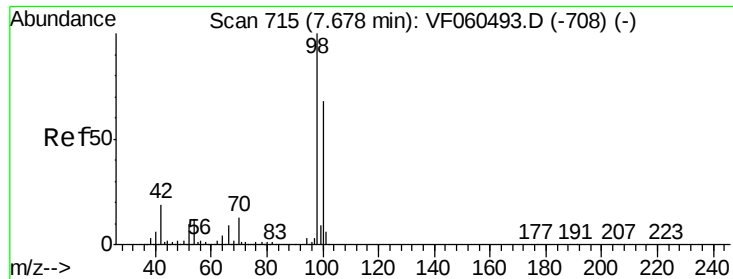
Tgt Ion: 41 Resp: 33863
Ion Ratio Lower Upper
41 100
69 61.0 57.8 86.8
39 61.8 59.1 88.7



#49
1,4-Dioxane
Concen: 419.495 ug/l
RT: 6.84 min Scan# 629
Delta R.T. 0.01 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Tgt Ion: 88 Resp: 5775
Ion Ratio Lower Upper
88 100
43 61.7 40.2 60.2#
58 59.8 36.3 54.5#





#50

Toluene-d8

Concen: 49.464 ug/l

RT: 7.67 min Scan# 714

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

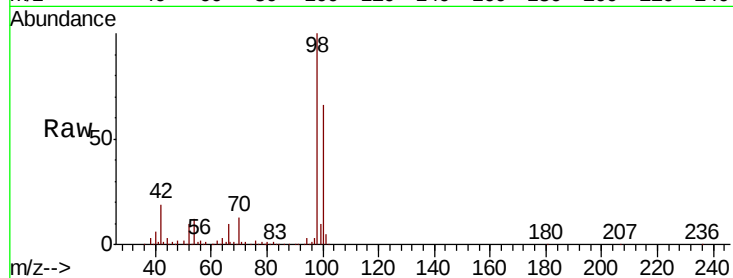
VF1009SBSD01

Tgt Ion: 98 Resp: 461221

Ion Ratio Lower Upper

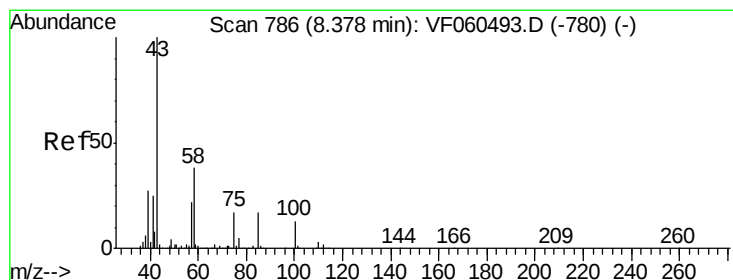
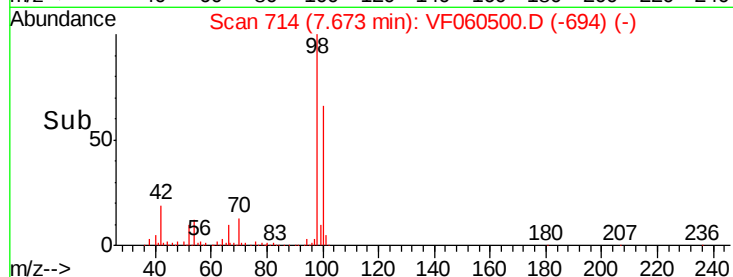
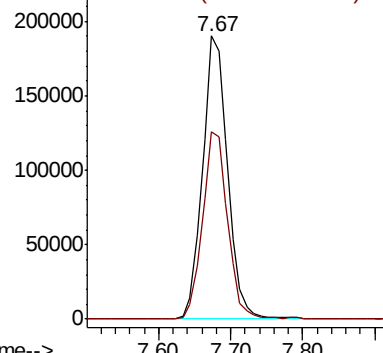
98 100

100 66.0 54.4 81.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#51

4-Methyl-2-Pentanone

Concen: 119.040 ug/l

RT: 8.37 min Scan# 785

Delta R.T. -0.00 min

Lab File: VF060500.D

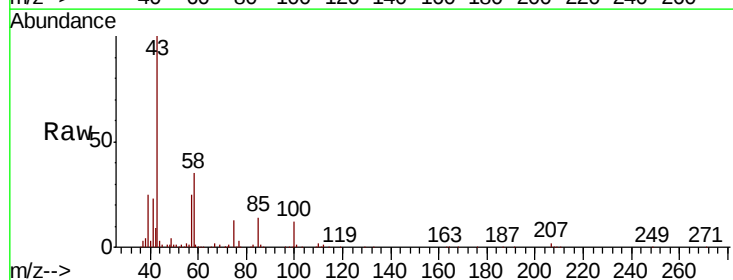
Acq: 9 Oct 2018 20:31

Tgt Ion: 43 Resp: 179209

Ion Ratio Lower Upper

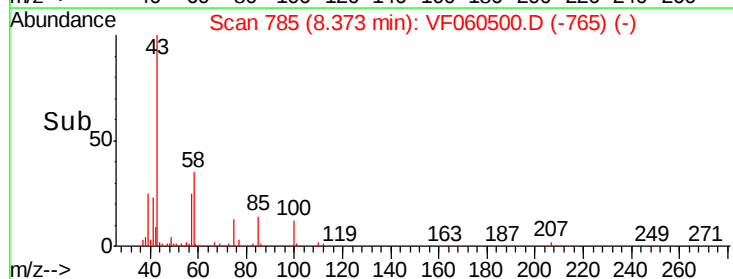
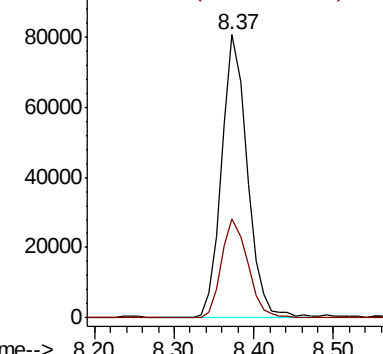
43 100

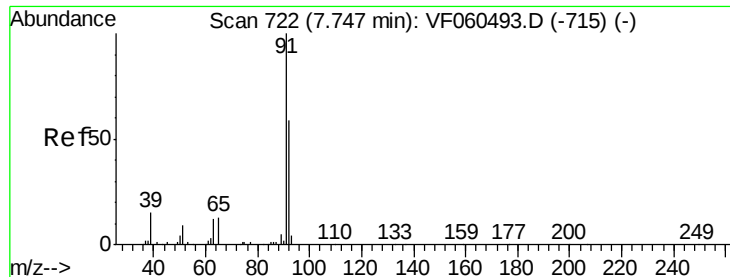
58 35.0 30.4 45.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#52

Toluene

Concen: 21.447 ug/l

RT: 7.74 min Scan# 721

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

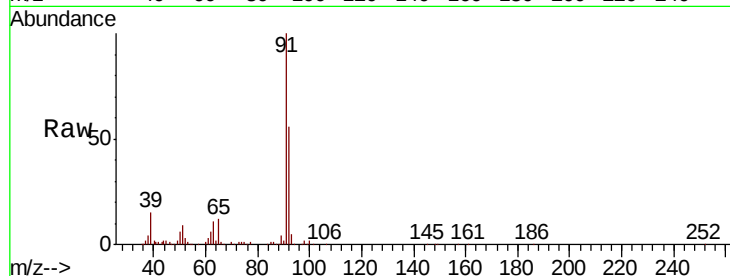
VF1009SBSD01

Tgt Ion: 92 Resp: 135951

Ion Ratio Lower Upper

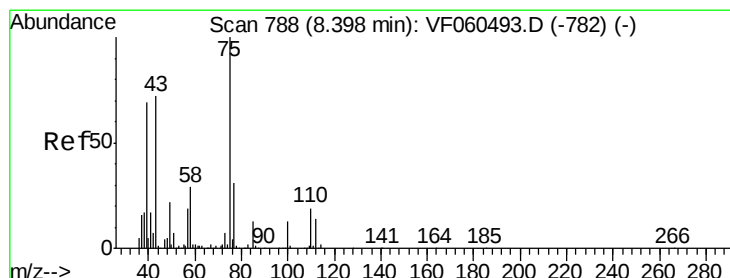
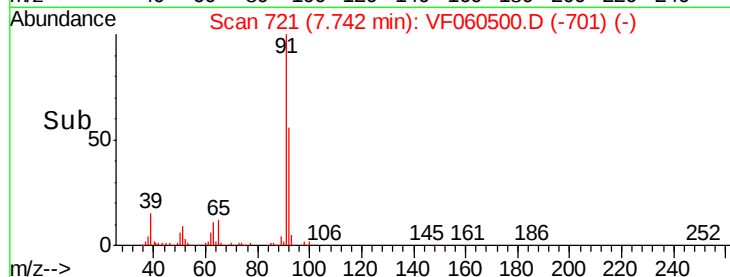
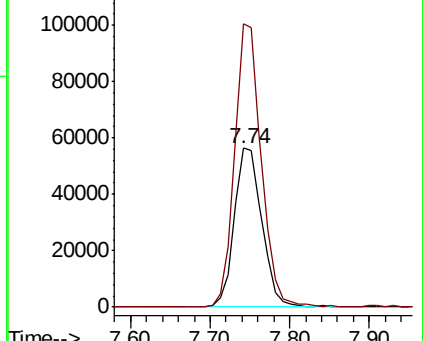
92 100

91 178.3 136.6 205.0



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: 21.826 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.01 min

Lab File: VF060500.D

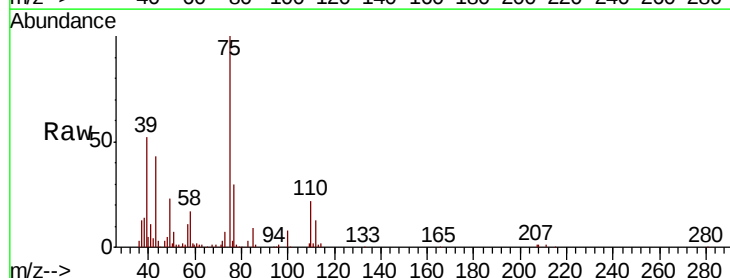
Acq: 9 Oct 2018 20:31

Tgt Ion: 75 Resp: 84613

Ion Ratio Lower Upper

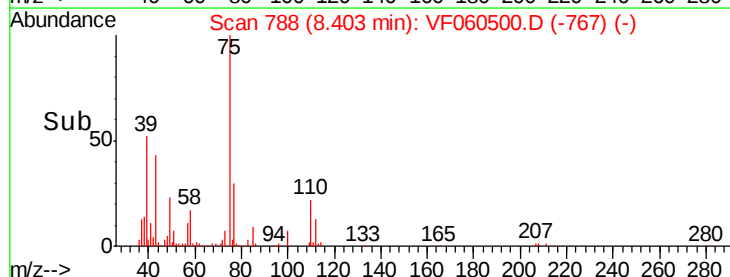
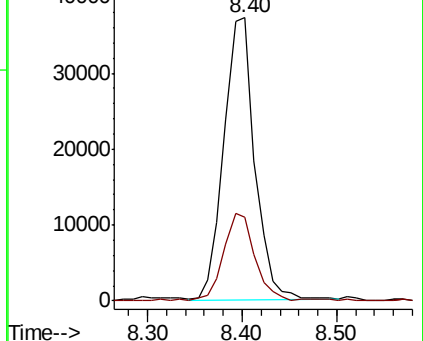
75 100

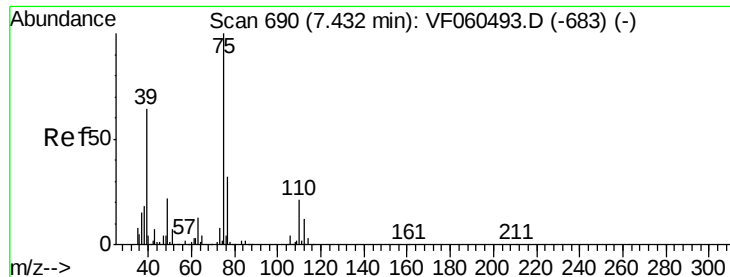
77 29.5 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#54

cis-1,3-Dichloropropene

Concen: 21.603 ug/l

RT: 7.43 min Scan# 689

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBSD01

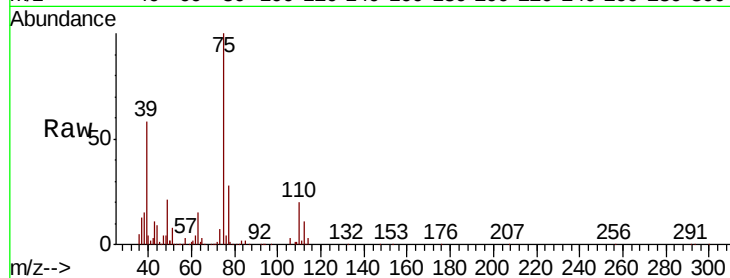
Tgt Ion: 75 Resp: 97539

Ion Ratio Lower Upper

75 100

77 28.3 26.0 39.0

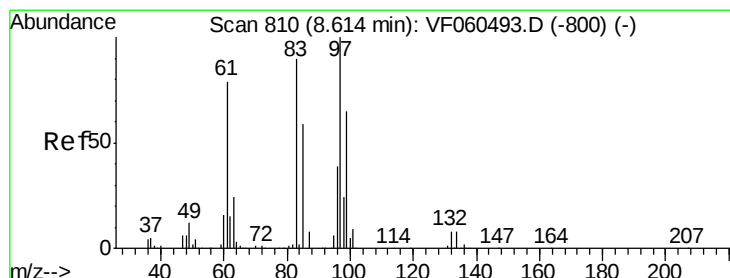
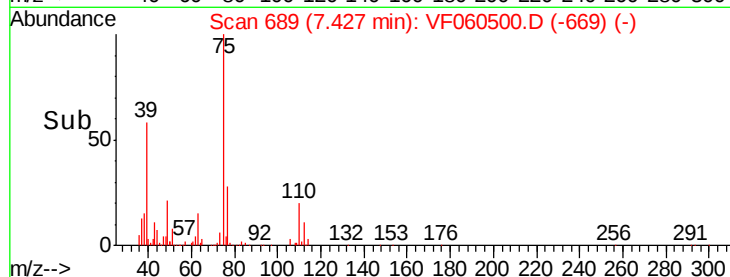
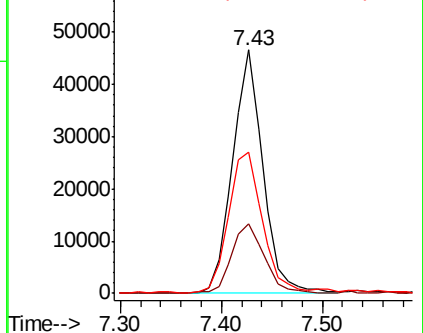
39 58.1 51.2 76.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#55

1,1,2-Trichloroethane

Concen: 20.778 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Tgt Ion: 97 Resp: 40479

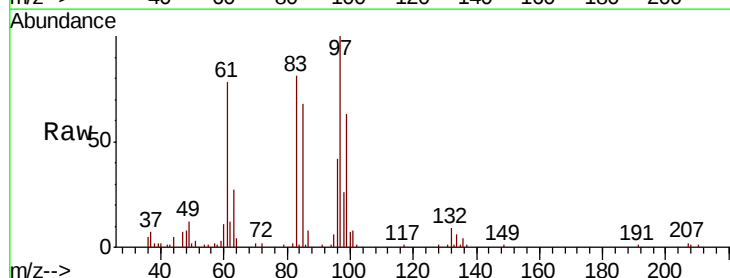
Ion Ratio Lower Upper

97 100

83 81.5 71.9 107.9

85 68.0 47.8 71.8

99 63.4 52.0 78.0

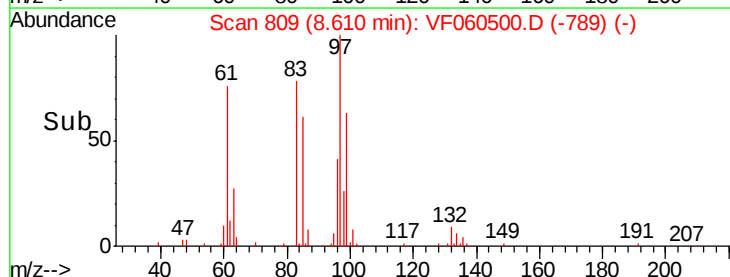
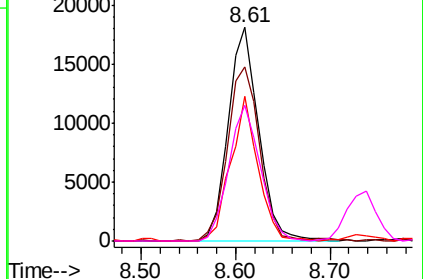


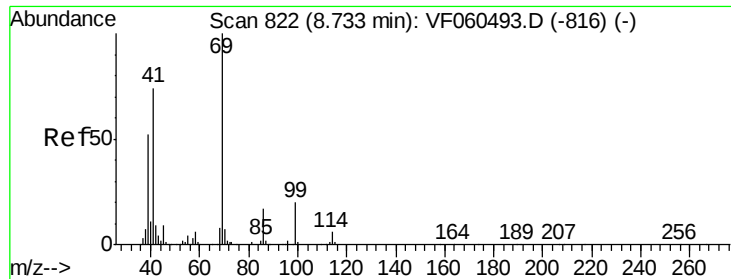
Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 23.118 ug/l

RT: 8.73 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

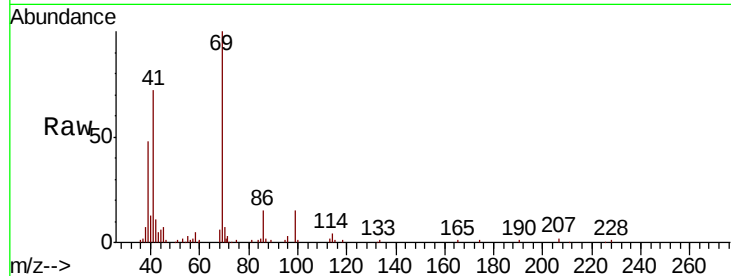
Tgt Ion: 69 Resp: 52110

Ion Ratio Lower Upper

69 100

41 72.3 59.3 88.9

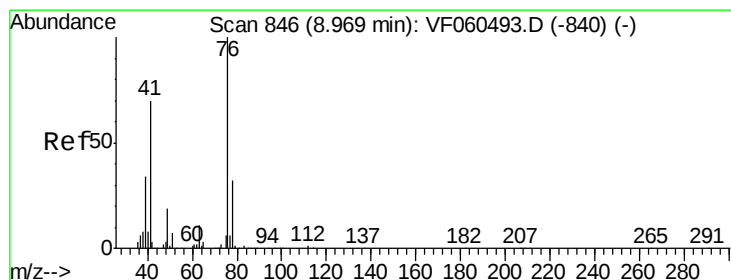
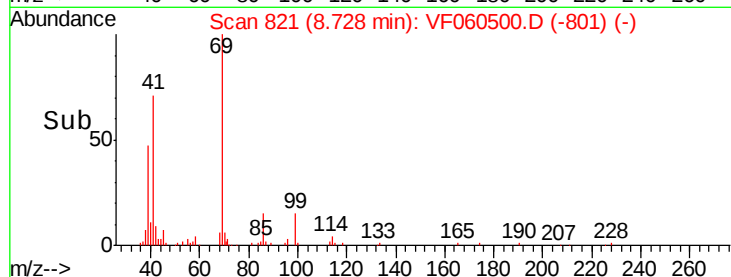
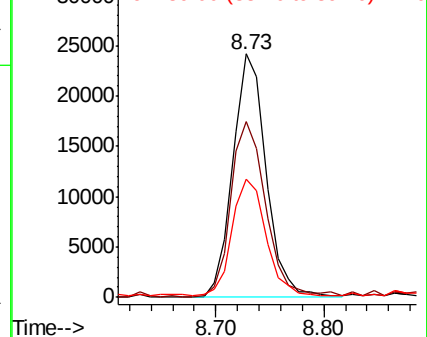
39 48.4 41.8 62.6



Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#57

1,3-Dichloropropane

Concen: 22.402 ug/l

RT: 8.97 min Scan# 846

Delta R.T. 0.01 min

Lab File: VF060500.D

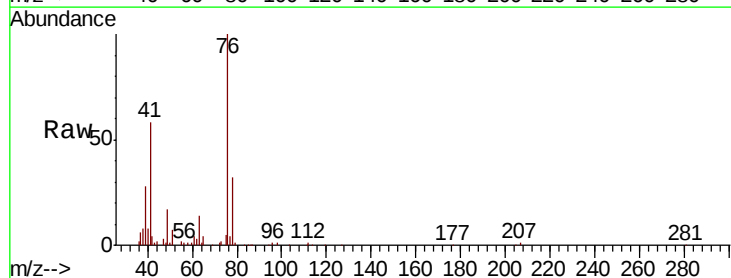
Acq: 9 Oct 2018 20:31

Tgt Ion: 76 Resp: 75148

Ion Ratio Lower Upper

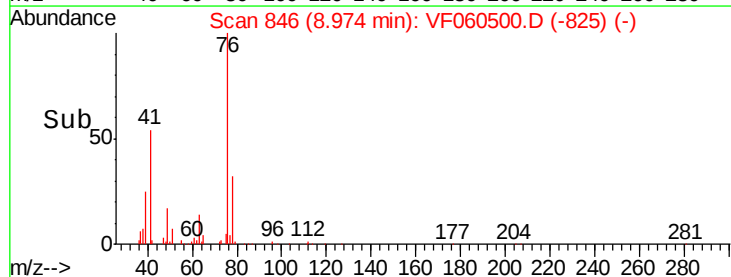
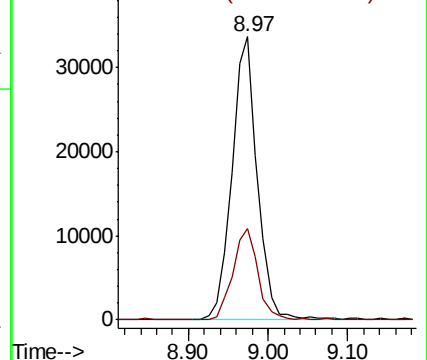
76 100

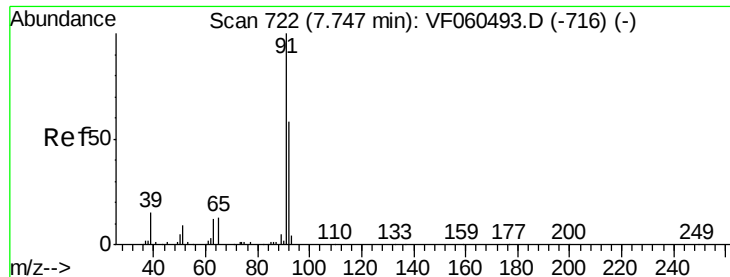
78 32.2 25.3 37.9



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

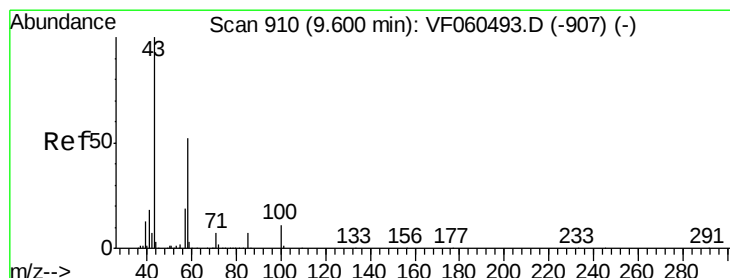
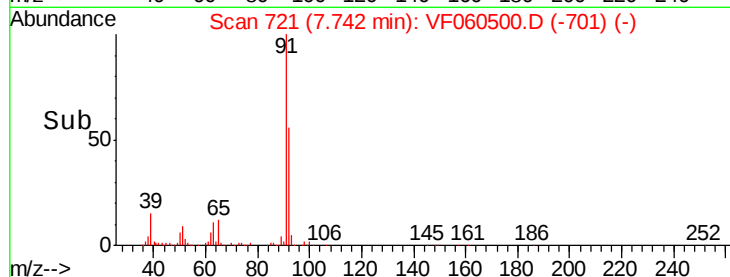
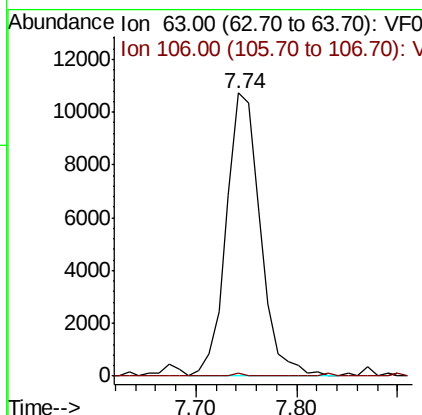
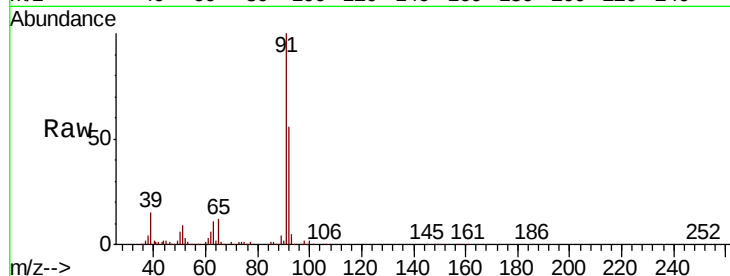




#58
 2-Chloroethyl Vinyl ether
 Concen: 109.647 ug/l
 RT: 7.74 min Scan# 721
 Delta R.T. -0.00 min
 Lab File: VF060500.D
 Acq: 9 Oct 2018 20:31

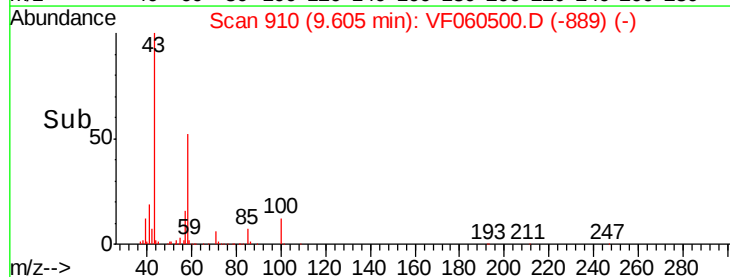
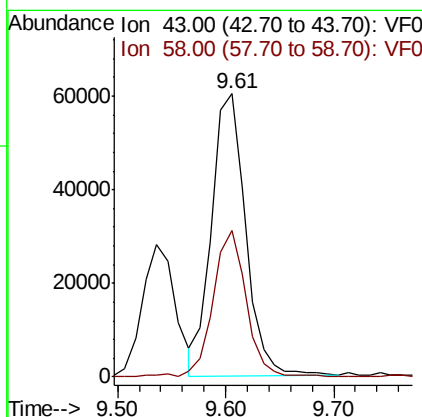
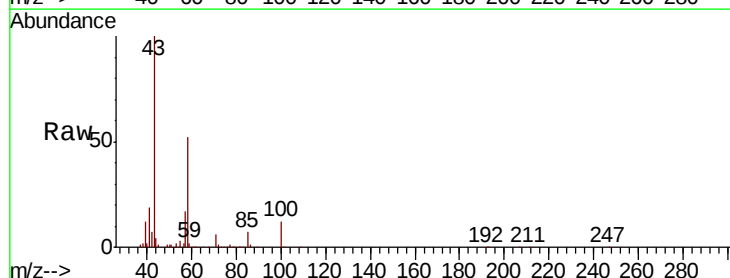
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBSD01

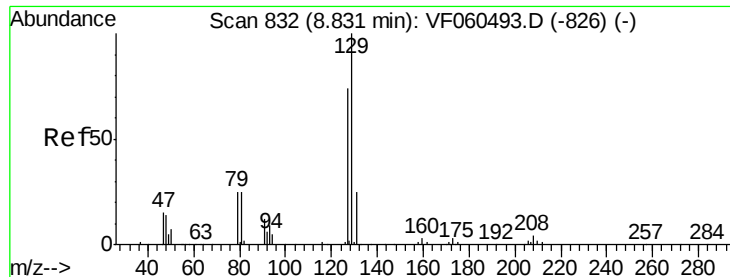
Tgt Ion: 63 Resp: 25115
 Ion Ratio Lower Upper
 63 100
 106 1.0 0.0 0.0#



#59
 2-Hexanone
 Concen: 120.950 ug/l
 RT: 9.61 min Scan# 910
 Delta R.T. 0.01 min
 Lab File: VF060500.D
 Acq: 9 Oct 2018 20:31

Tgt Ion: 43 Resp: 131709
 Ion Ratio Lower Upper
 43 100
 58 51.7 24.2 72.6





#60

Dibromochloromethane

Concen: 20.480 ug/l

RT: 8.84 min Scan# 832

Delta R.T. 0.01 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

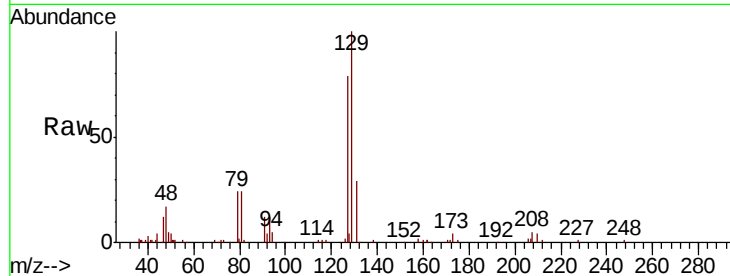
VF1009SBSD01

Tgt Ion:129 Resp: 62627

Ion Ratio Lower Upper

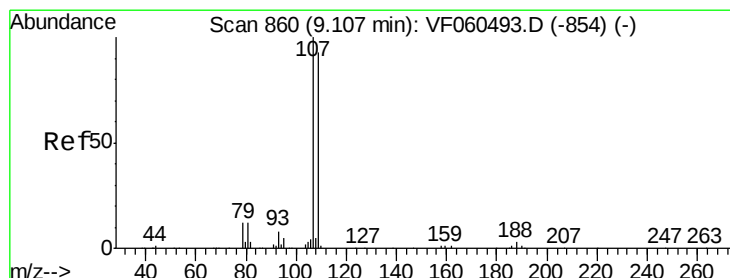
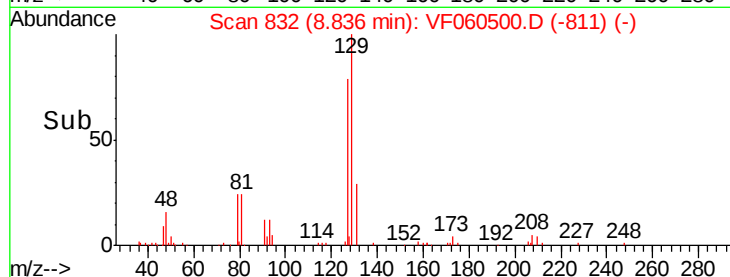
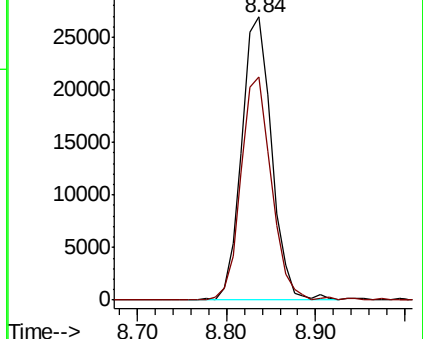
129 100

127 79.0 37.0 110.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#61

1,2-Dibromoethane

Concen: 21.935 ug/l

RT: 9.10 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF060500.D

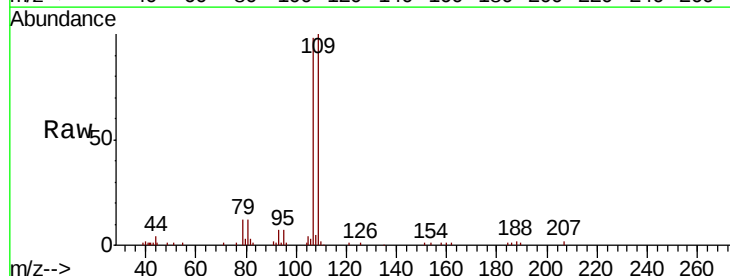
Acq: 9 Oct 2018 20:31

Tgt Ion:107 Resp: 48284

Ion Ratio Lower Upper

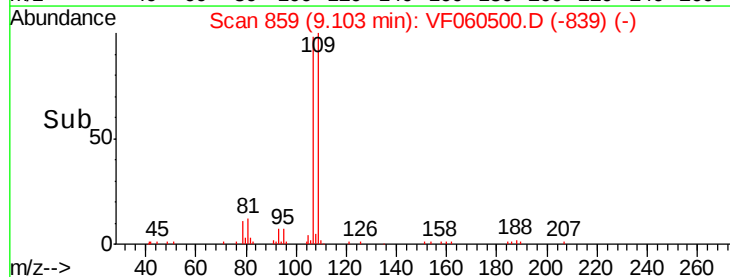
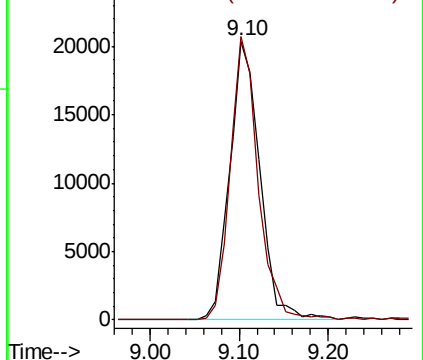
107 100

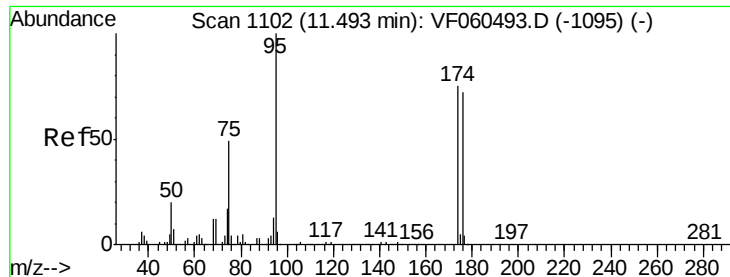
109 101.7 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#62

4-Bromofluorobenzene

Concen: 54.230 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBSD01

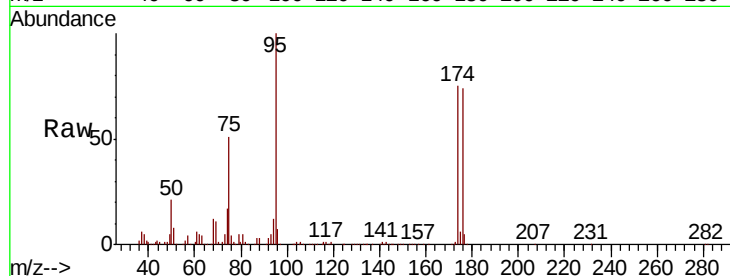
Tgt Ion: 95 Resp: 221858

Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.4

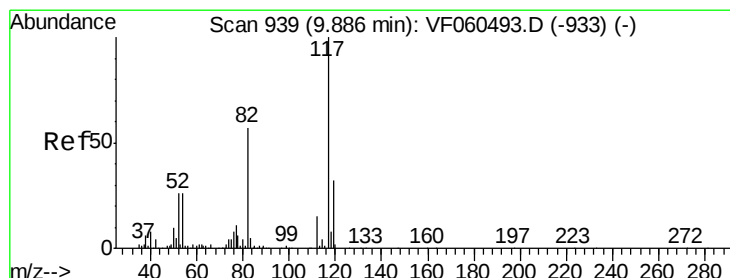
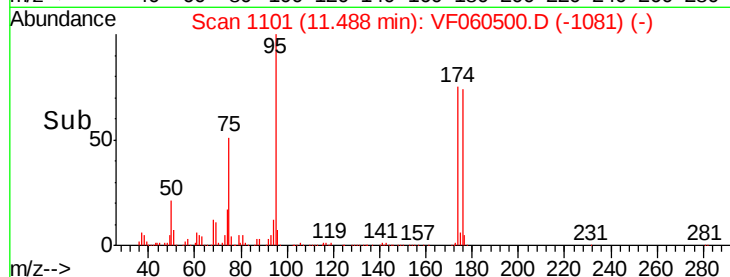
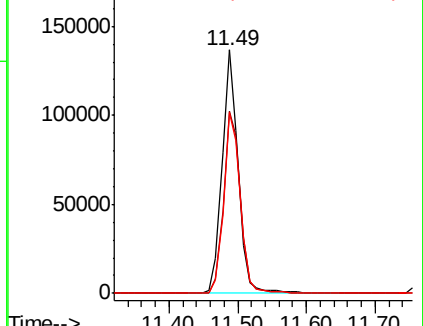
176 74.5 0.0 144.6



Abundance Ion 95.00 (94.70 to 95.70): VF060493.D (-1095) (-)

Ion 174.00 (173.70 to 174.70): VF060493.D (-1095) (-)

Ion 176.00 (175.70 to 176.70): VF060493.D (-1095) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.89 min Scan# 939

Delta R.T. 0.01 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

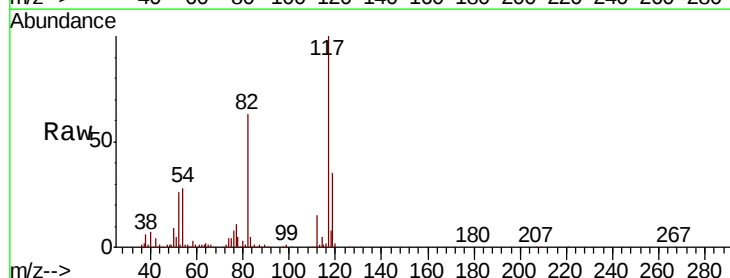
Tgt Ion: 117 Resp: 369658

Ion Ratio Lower Upper

117 100

82 63.0 45.6 68.4

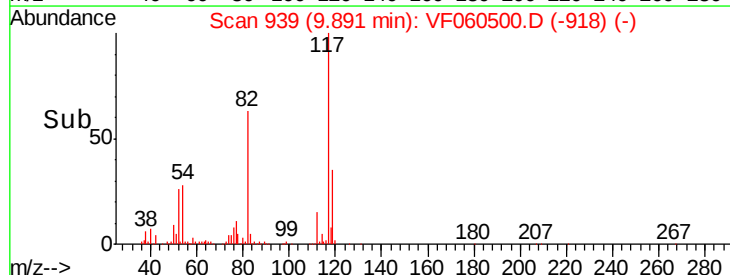
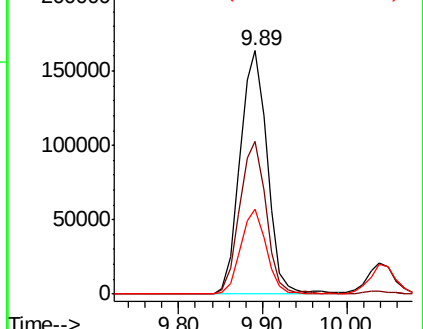
119 35.0 25.3 37.9

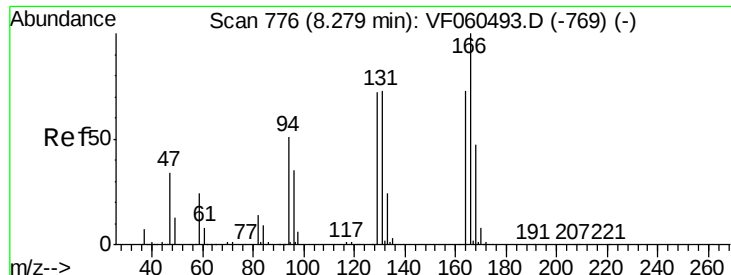


Abundance Ion 117.00 (116.70 to 117.70): VF060493.D (-933) (-)

Ion 82.00 (81.70 to 82.70): VF060493.D (-933) (-)

Ion 119.00 (118.70 to 119.70): VF060493.D (-933) (-)





#64

Tetrachloroethene

Concen: 22.641 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBSD01

Tgt Ion:164 Resp: 66336

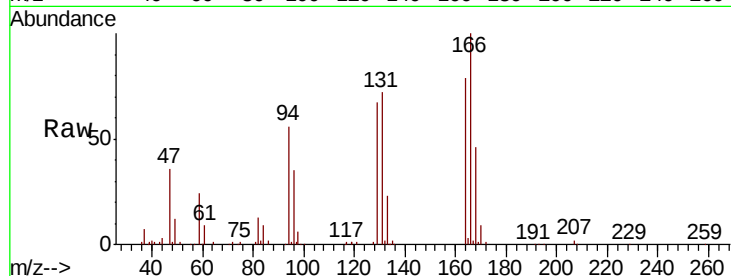
Ion Ratio Lower Upper

164 100

166 126.8 109.4 164.0

129 85.2 78.9 118.3

131 91.8 79.5 119.3

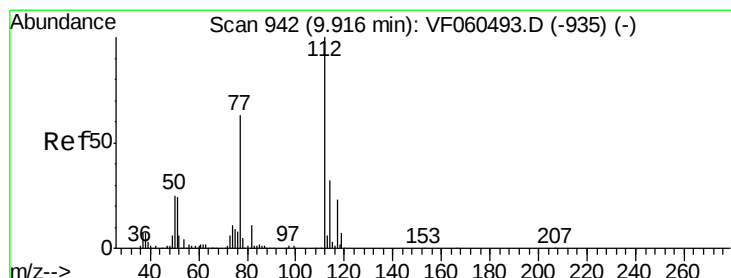
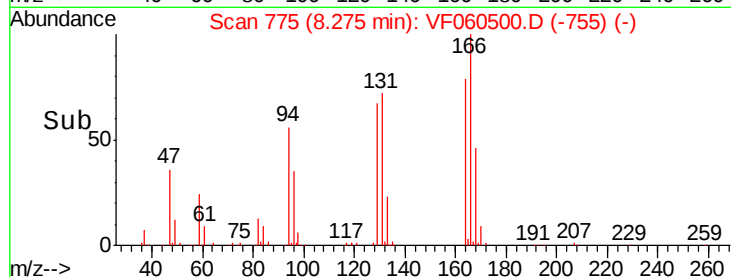
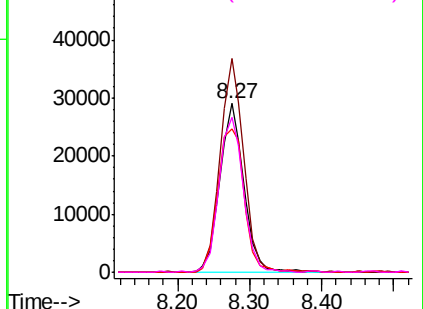


Abundance Ion 163.85 (163.55 to 164.55): V

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: 21.154 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.00 min

Lab File: VF060500.D

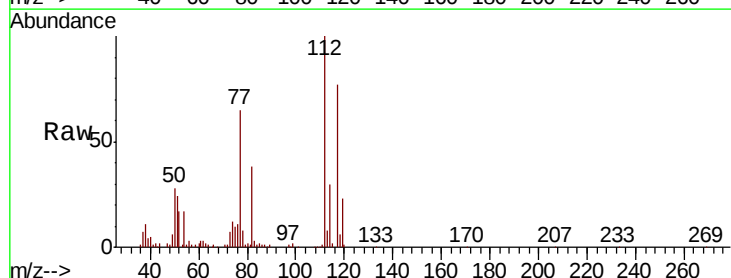
Acq: 9 Oct 2018 20:31

Tgt Ion:112 Resp: 151861

Ion Ratio Lower Upper

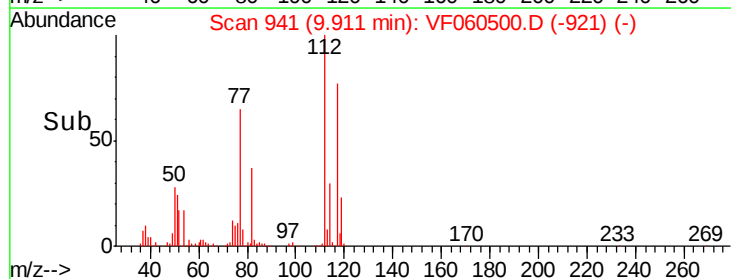
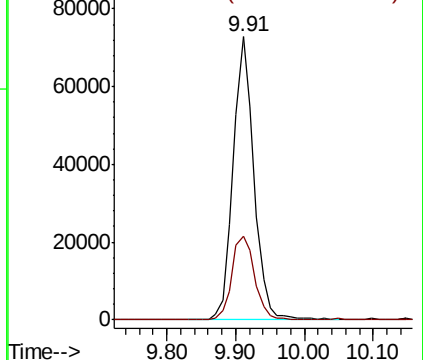
112 100

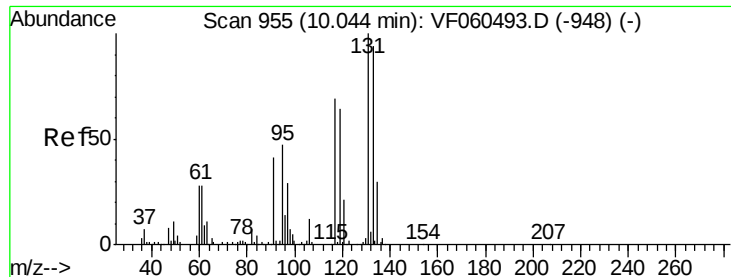
114 29.8 25.9 38.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#66

1,1,1,2-Tetrachloroethane

Concen: 20.552 ug/l

RT: 10.04 min Scan# 954

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBSD01

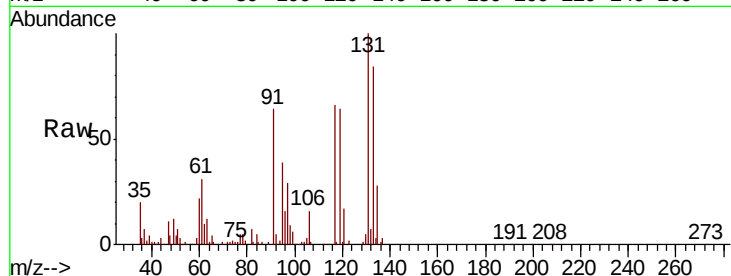
Tgt Ion:131 Resp: 66458

Ion Ratio Lower Upper

131 100

133 84.4 47.1 141.4

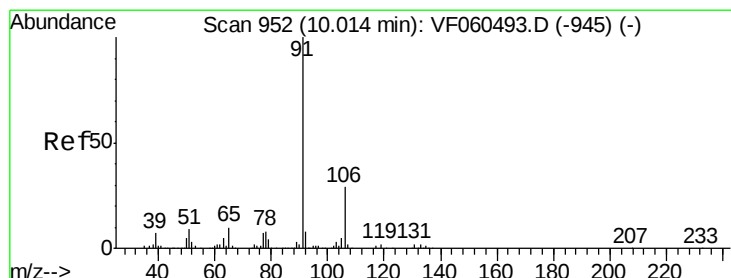
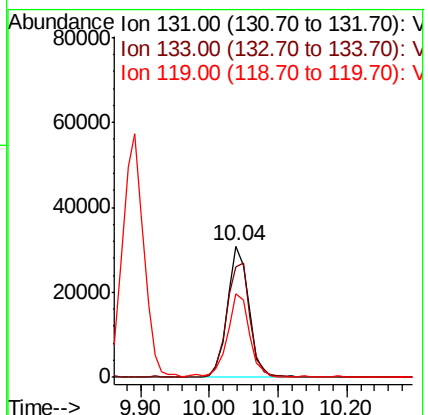
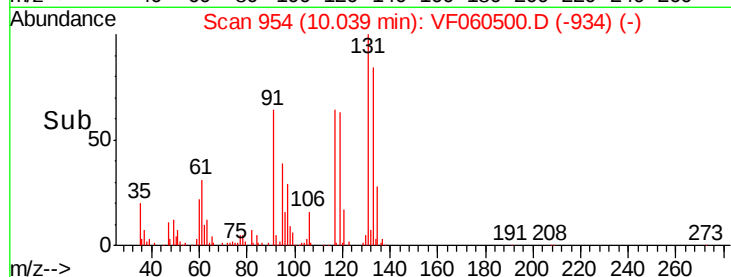
119 63.7 32.0 96.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#67

Ethyl Benzene

Concen: 21.858 ug/l

RT: 10.01 min Scan# 951

Delta R.T. -0.00 min

Lab File: VF060500.D

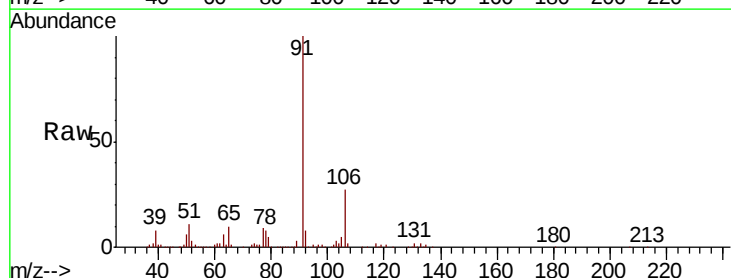
Acq: 9 Oct 2018 20:31

Tgt Ion: 91 Resp: 296057

Ion Ratio Lower Upper

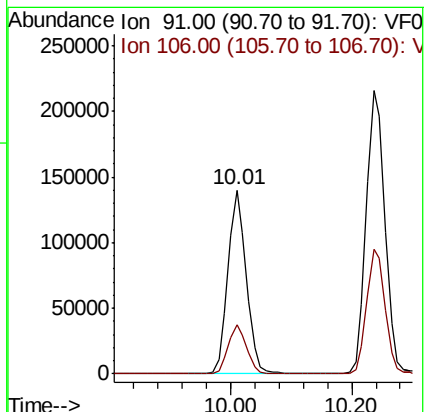
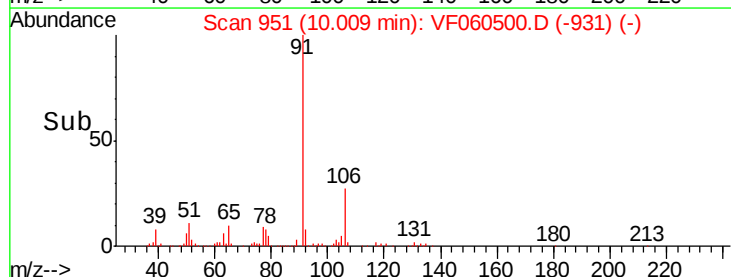
91 100

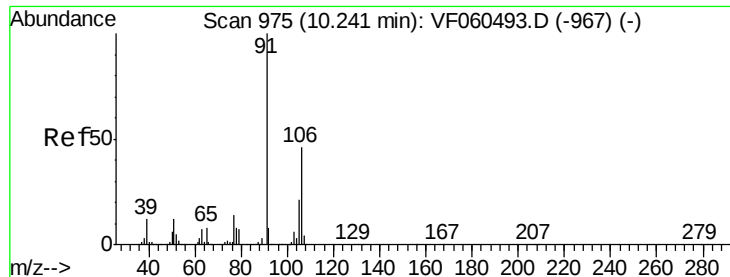
106 26.7 23.3 34.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 43.743 ug/l

RT: 10.24 min Scan# 974

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

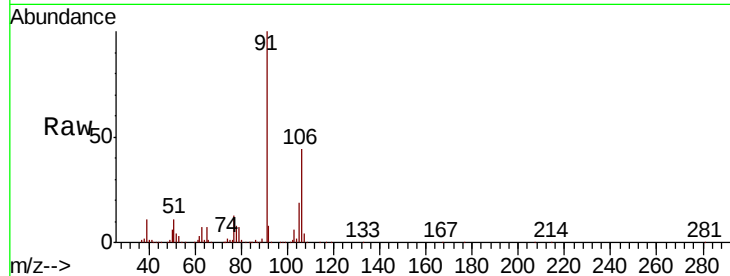
VF1009SBSD01

Tgt Ion:106 Resp: 202252

Ion Ratio Lower Upper

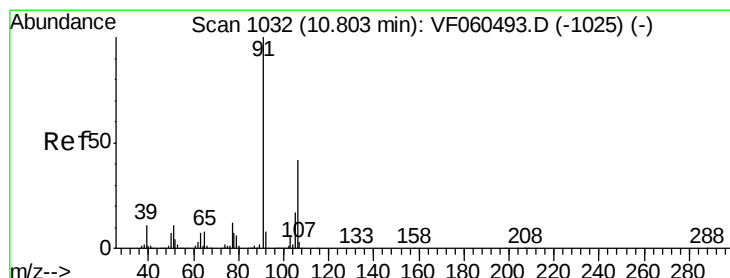
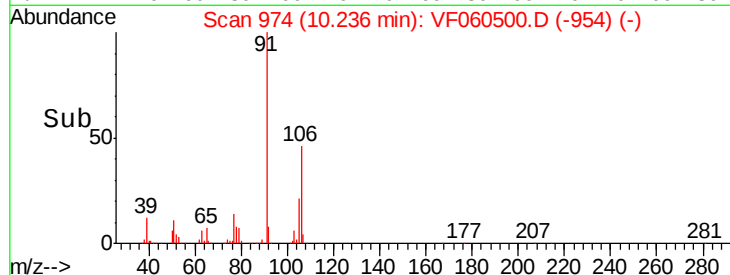
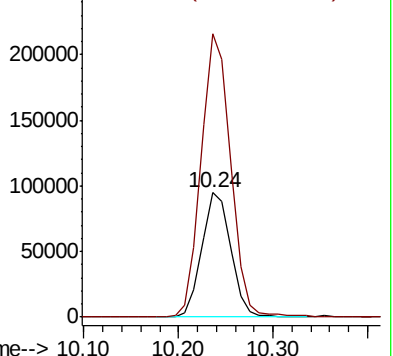
106 100

91 227.9 174.6 262.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 21.411 ug/l

RT: 10.81 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VF060500.D

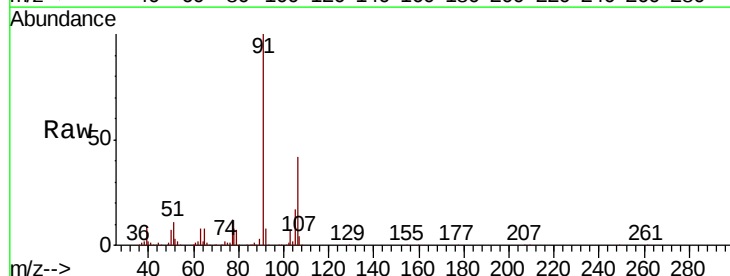
Acq: 9 Oct 2018 20:31

Tgt Ion:106 Resp: 107659

Ion Ratio Lower Upper

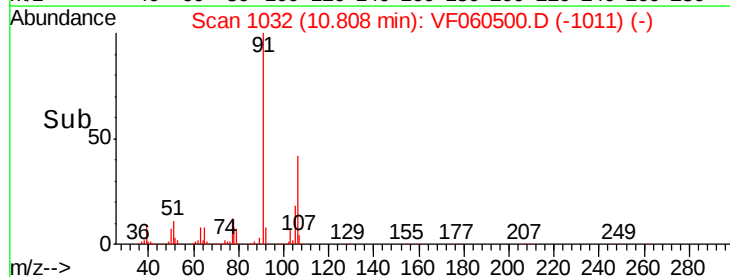
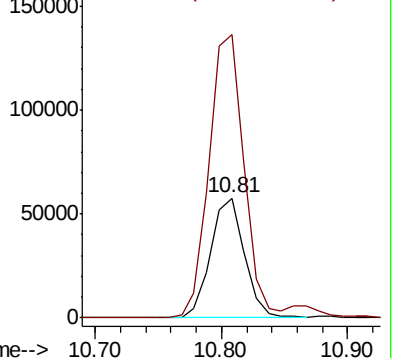
106 100

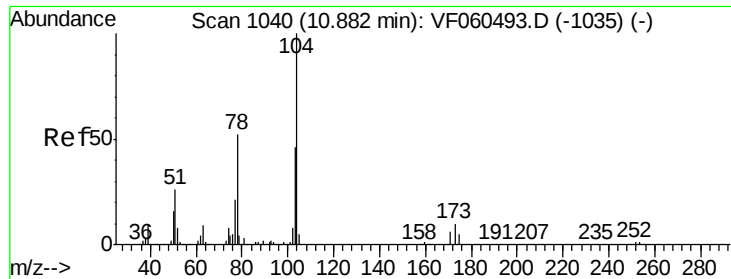
91 235.9 118.8 356.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





#70

Styrene

Concen: 22.769 ug/l

RT: 10.88 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBSD01

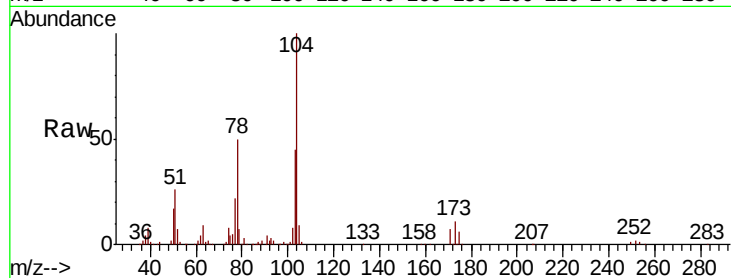
Tgt Ion:104 Resp: 164794

Ion Ratio Lower Upper

104 100

78 50.2 42.7 64.1

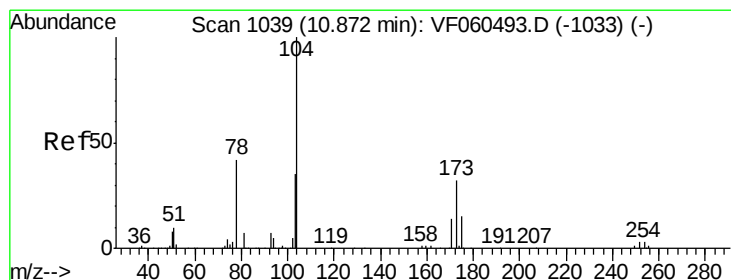
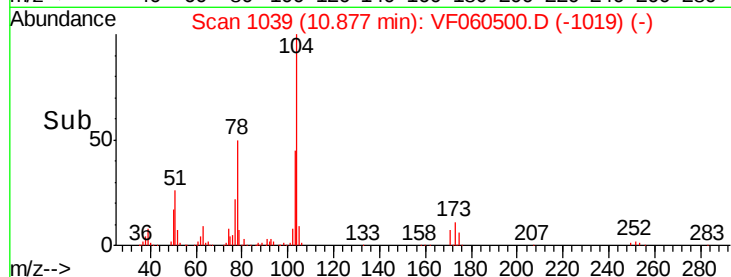
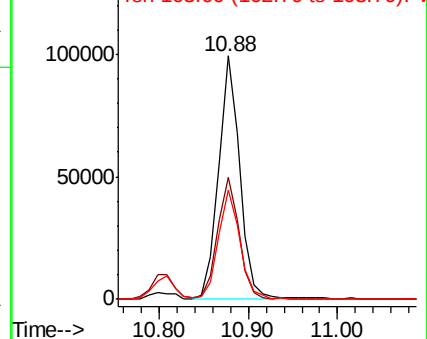
103 45.1 37.6 56.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 20.603 ug/l

RT: 10.87 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

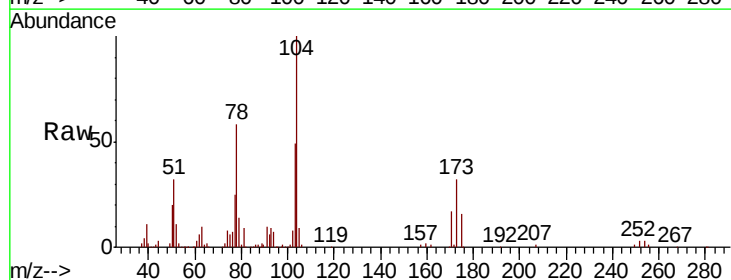
Tgt Ion:173 Resp: 33777

Ion Ratio Lower Upper

173 100

175 50.1 23.2 69.6

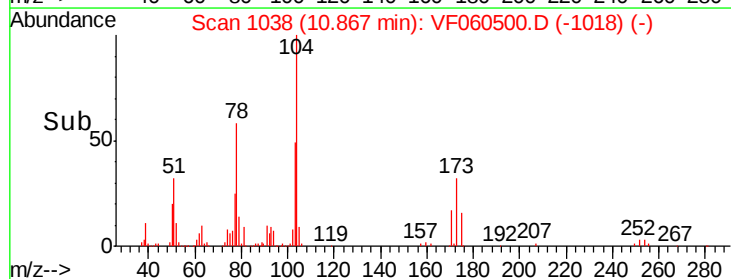
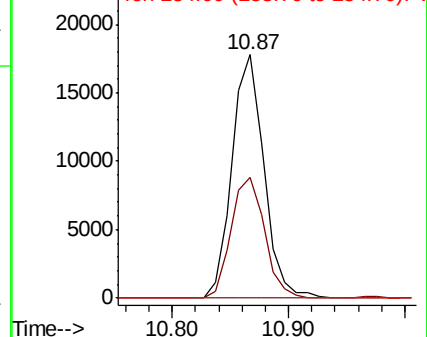
254 0.0 0.2 0.2#

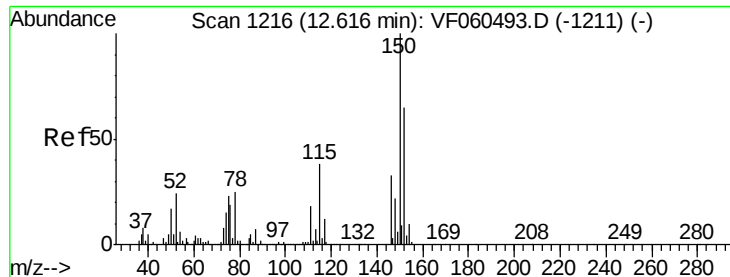


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



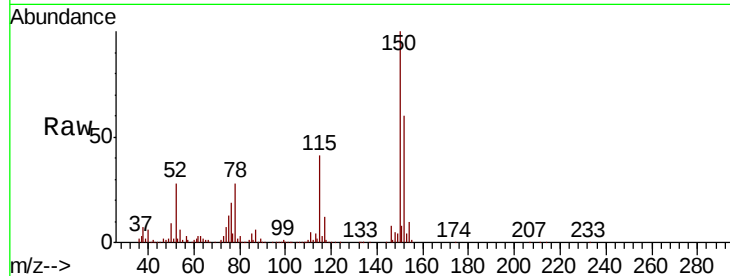


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1215
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBSD01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.4	29.5	88.5
150	166.0	0.0	310.0

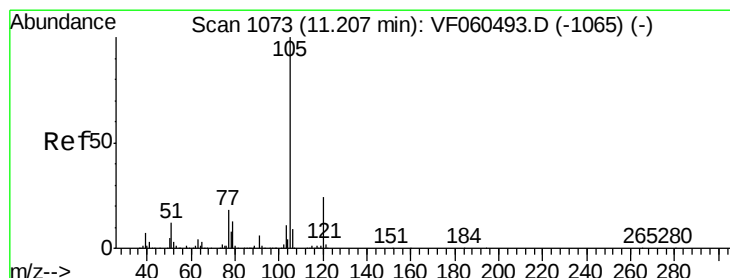
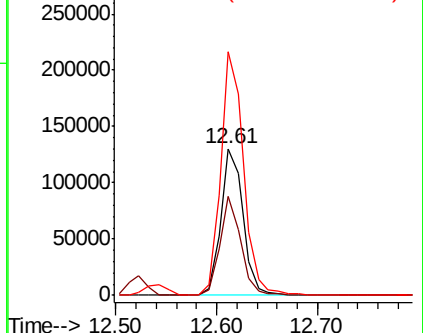
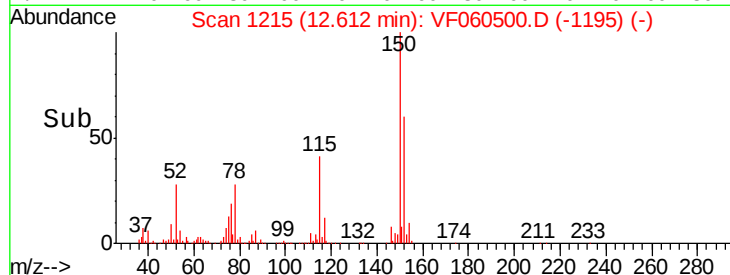


Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

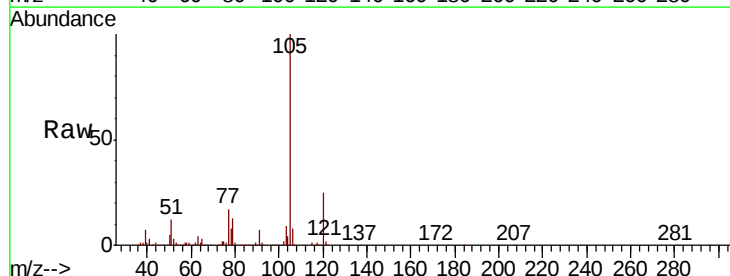
Ion 150.00 (149.70 to 150.70): V



#73

Isopropylbenzene
Concen: 22.994 ug/l
RT: 11.20 min Scan# 1072
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

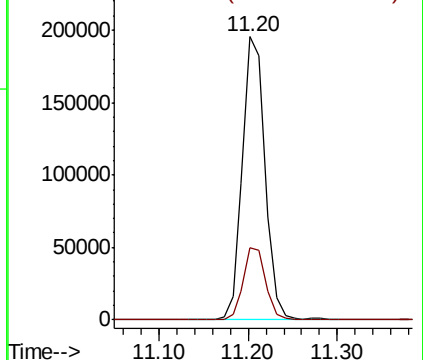
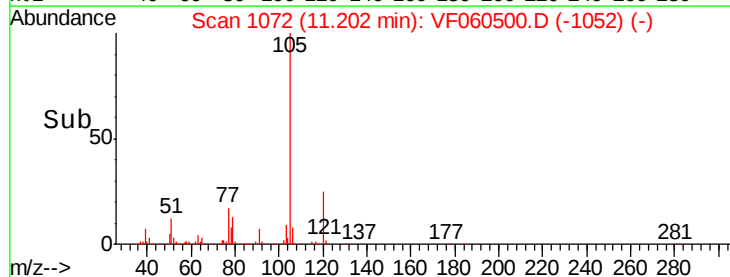
Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	11.9	35.9

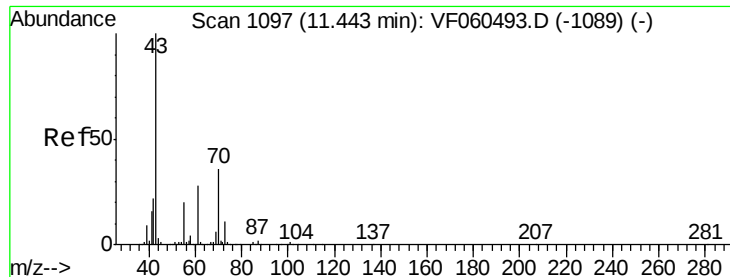


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyI acetate

Concen: 23.676 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBSD01

Tgt Ion: 43 Resp: 77536

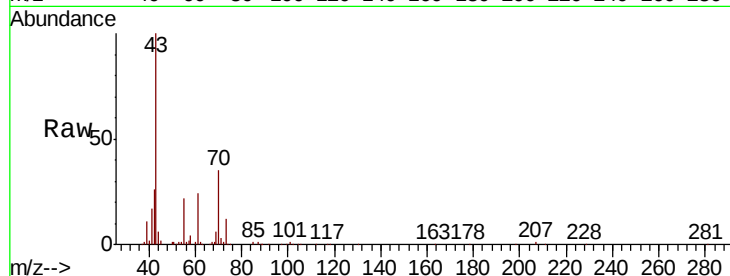
Ion Ratio Lower Upper

43 100

70 35.0 28.7 43.1

55 22.3 16.1 24.1

61 24.2 22.7 34.1

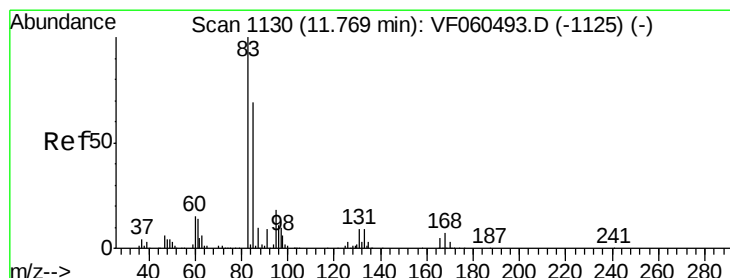
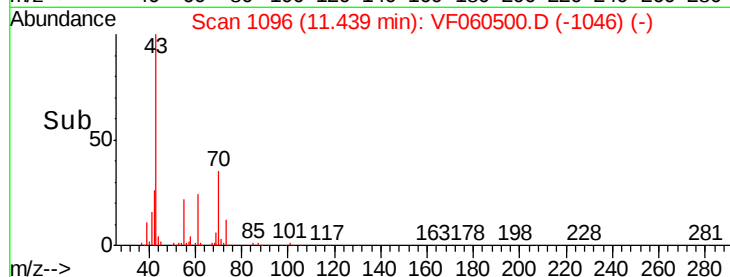
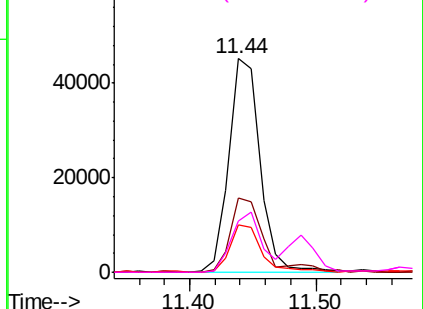


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#75

1,1,2,2-Tetrachloroethane

Concen: 22.621 ug/l

RT: 11.76 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

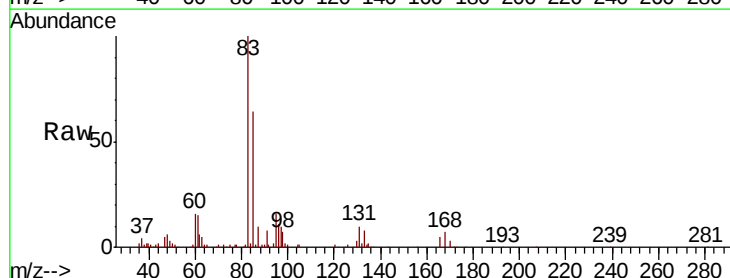
Tgt Ion: 83 Resp: 57205

Ion Ratio Lower Upper

83 100

131 9.6 4.5 13.4

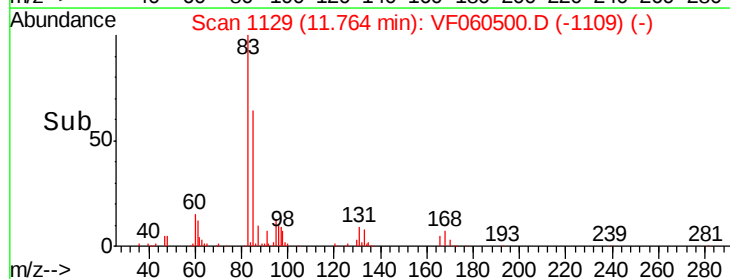
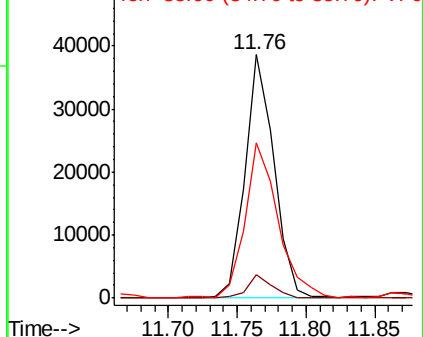
85 63.6 34.8 104.4

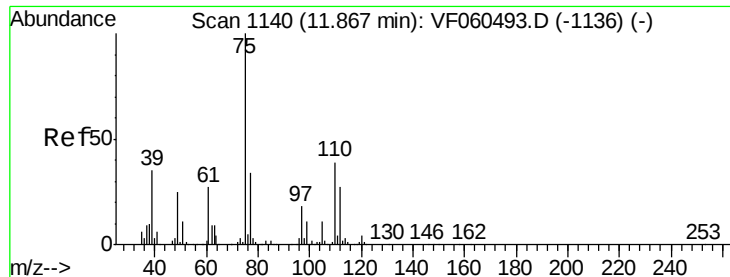


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0





#76

1,2,3-Trichloropropane

Concen: 22.190 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

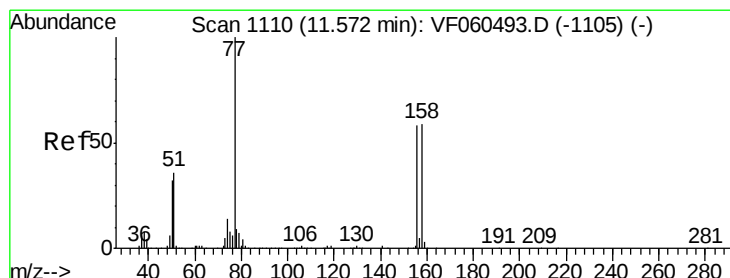
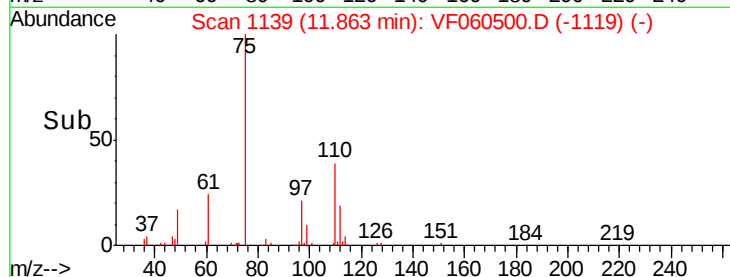
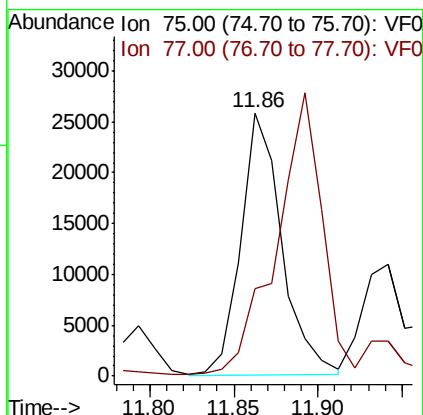
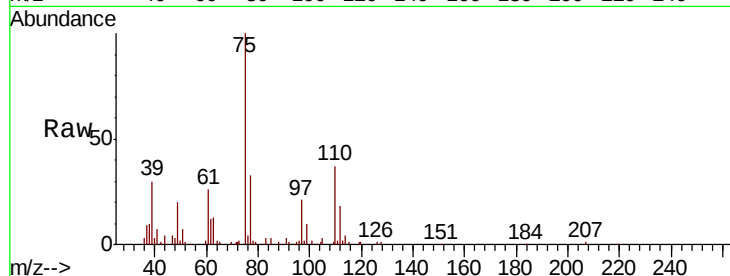
VF1009SBSD01

Tgt Ion: 75 Resp: 43381

Ion Ratio Lower Upper

75 100

77 33.1 17.4 52.2



#77

Bromobenzene

Concen: 21.468 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

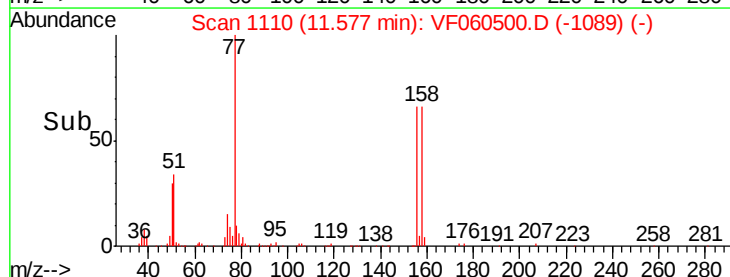
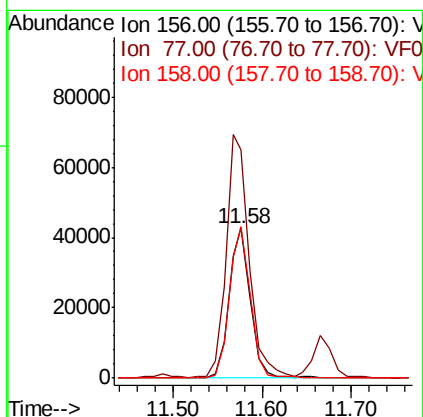
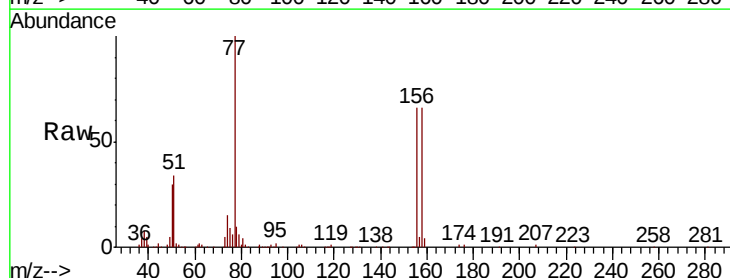
Tgt Ion: 156 Resp: 71779

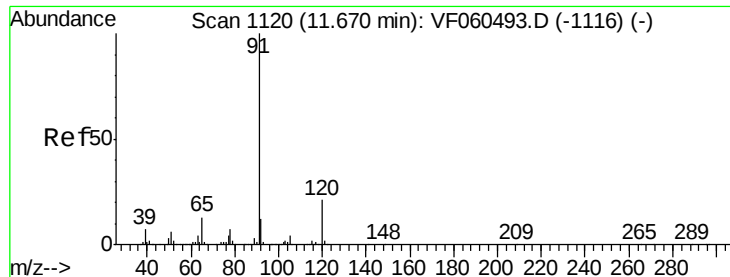
Ion Ratio Lower Upper

156 100

77 152.5 86.3 258.8

158 101.1 51.1 153.3

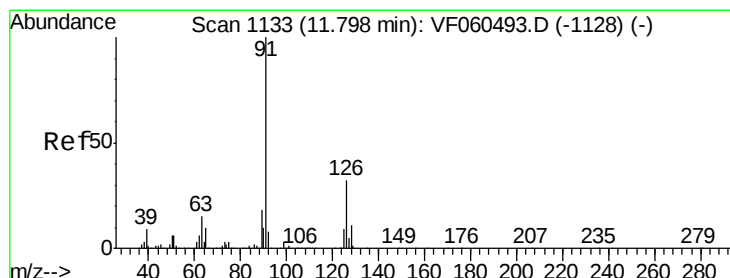
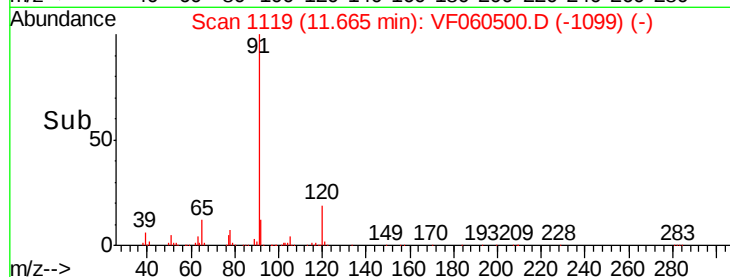
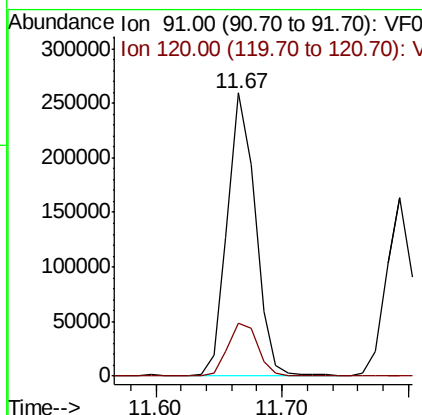
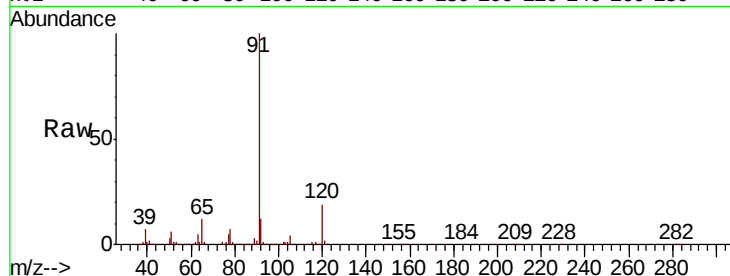




#78
n-propylbenzene
Concen: 22.234 ug/l
RT: 11.67 min Scan# 1119
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

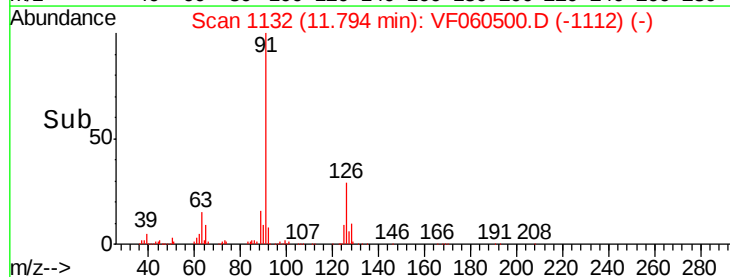
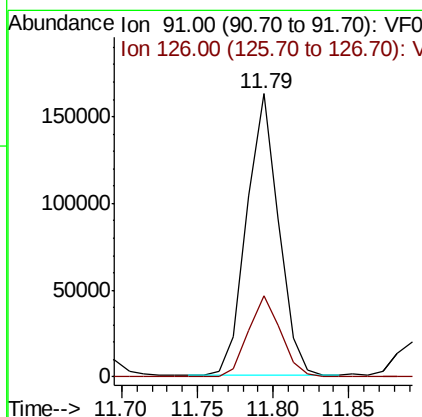
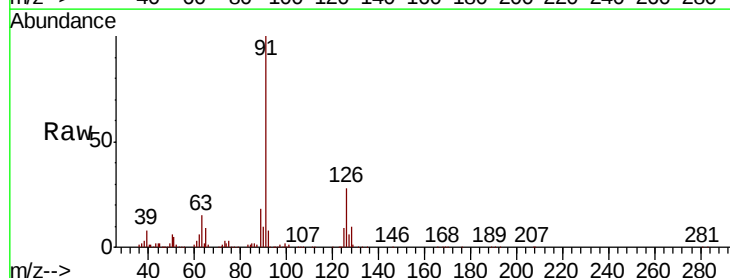
Instrument :
MSVOA_F
ClientSampleId :
VF1009SBS01

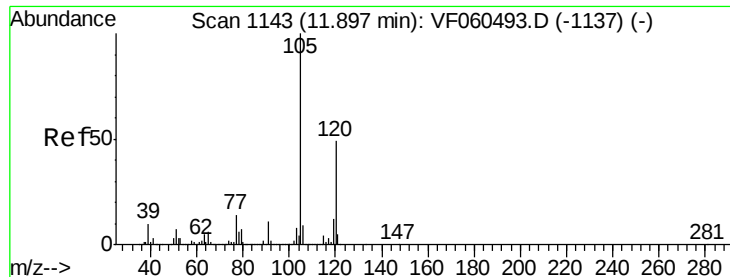
Tgt Ion: 91 Resp: 398418
Ion Ratio Lower Upper
91 100
120 18.8 10.5 31.6



#79
2-Chlorotoluene
Concen: 22.870 ug/l
RT: 11.79 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Tgt Ion: 91 Resp: 239911
Ion Ratio Lower Upper
91 100
126 28.4 16.1 48.3

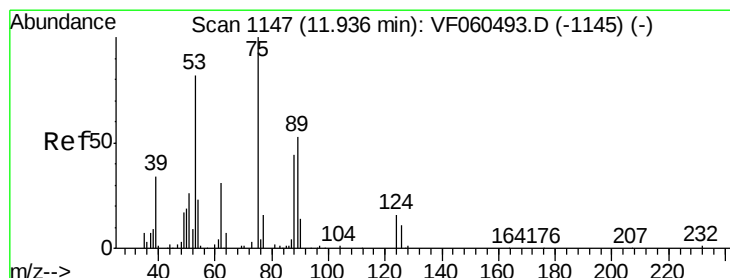
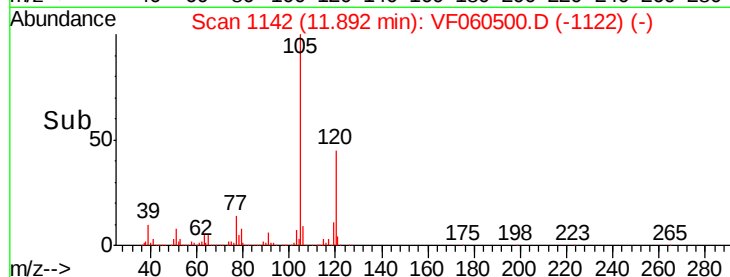
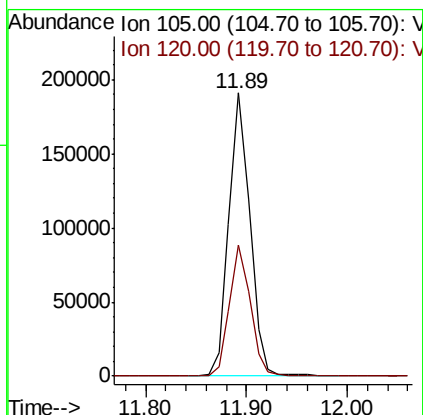
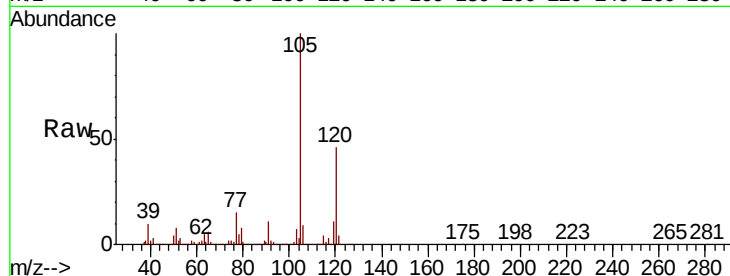




#80
 1,3,5-Trimethylbenzene
 Concen: 22.128 ug/l
 RT: 11.89 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VF060500.D
 Acq: 9 Oct 2018 20:31

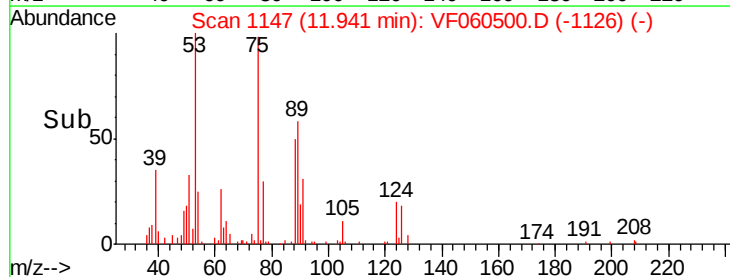
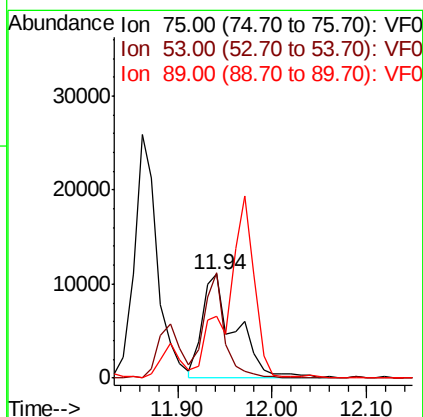
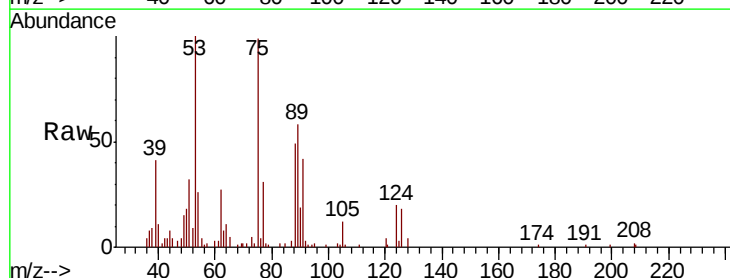
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBSD01

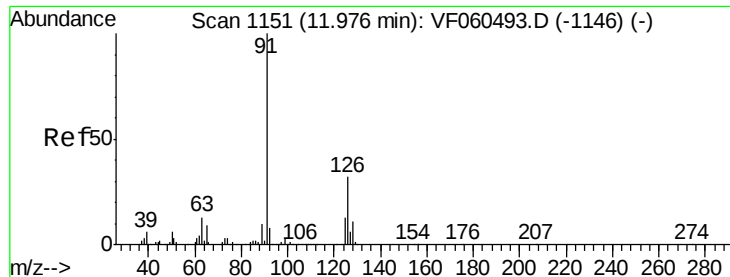
Tgt Ion:105 Resp: 279300
 Ion Ratio Lower Upper
 105 100
 120 46.1 24.4 73.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 32.037 ug/l
 RT: 11.94 min Scan# 1147
 Delta R.T. 0.01 min
 Lab File: VF060500.D
 Acq: 9 Oct 2018 20:31

Tgt Ion: 75 Resp: 27307
 Ion Ratio Lower Upper
 75 100
 53 101.5 71.0 106.6
 89 59.2 43.1 64.7





#82

4-Chlorotoluene

Concen: 22.056 ug/l

RT: 11.97 min Scan# 1150

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

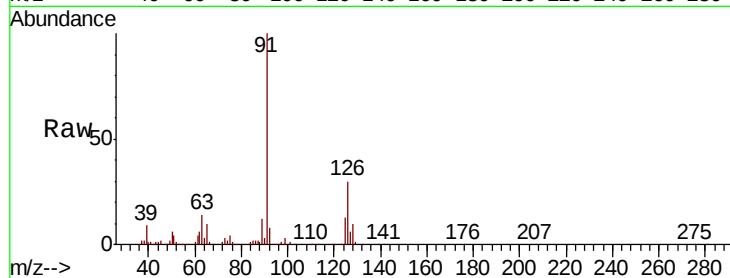
VF1009SBSD01

Tgt Ion: 91 Resp: 238718

Ion Ratio Lower Upper

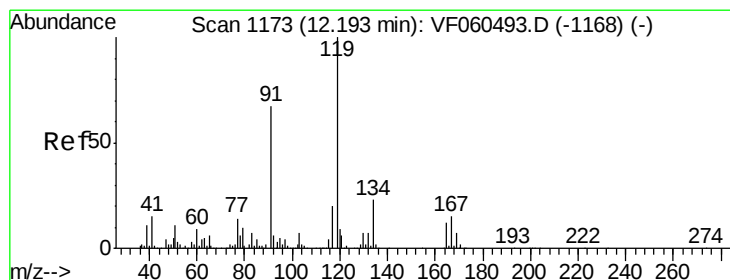
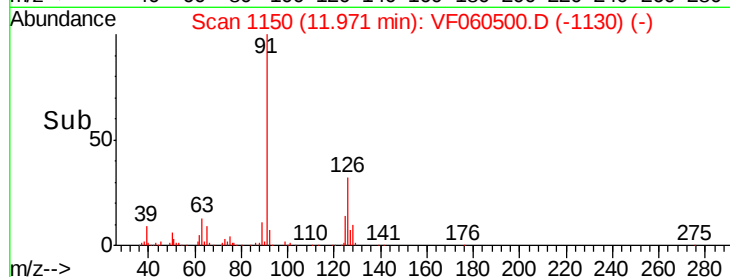
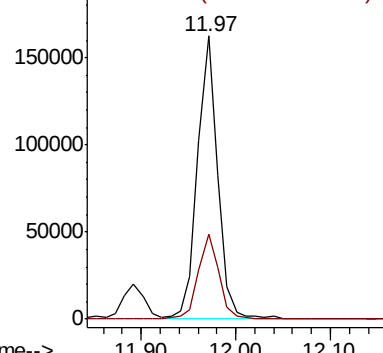
91 100

126 30.0 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#83

tert-Butylbenzene

Concen: 22.337 ug/l

RT: 12.20 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

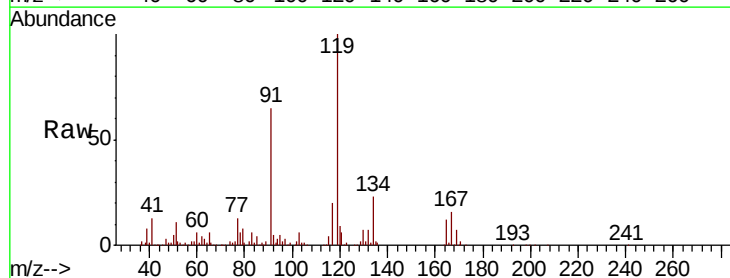
Tgt Ion: 119 Resp: 283423

Ion Ratio Lower Upper

119 100

91 65.1 33.6 100.8

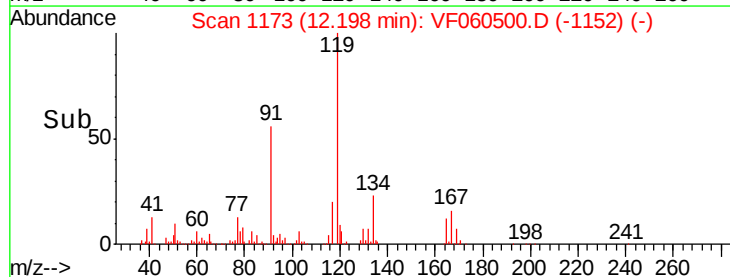
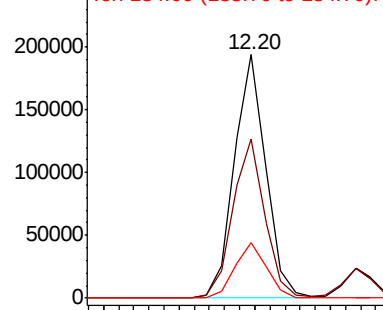
134 22.8 11.5 34.5

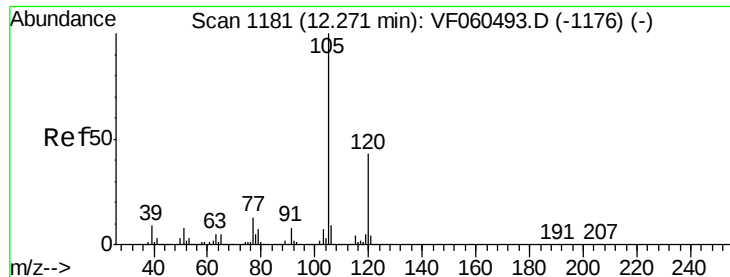


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V

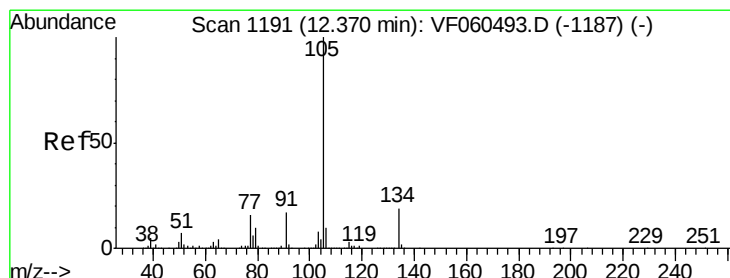
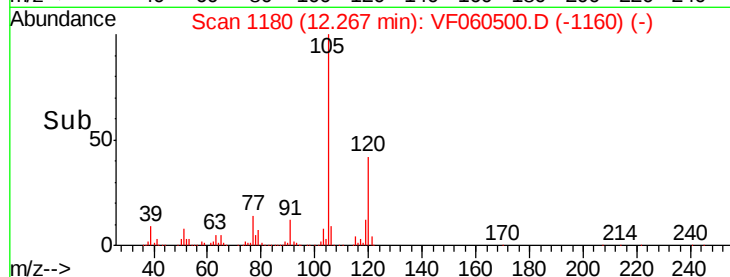
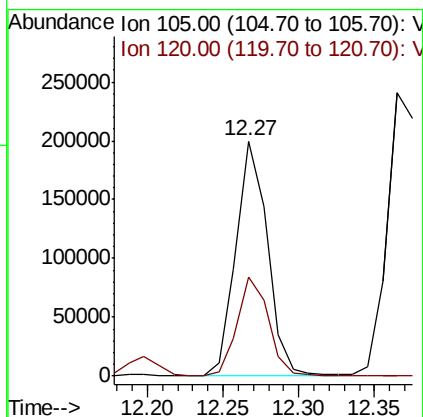
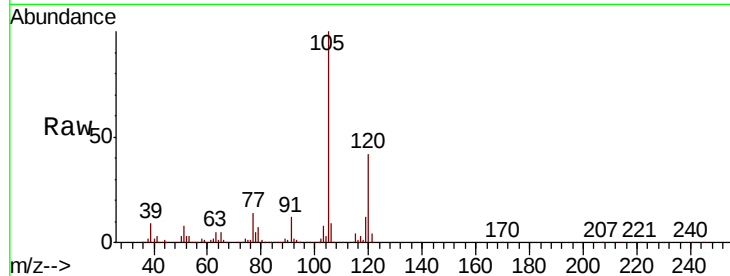




#84
 1,2,4-Trimethylbenzene
 Concen: 22.724 ug/l
 RT: 12.27 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VF060500.D
 Acq: 9 Oct 2018 20:31

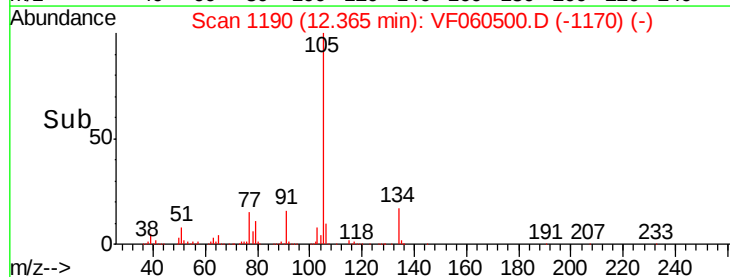
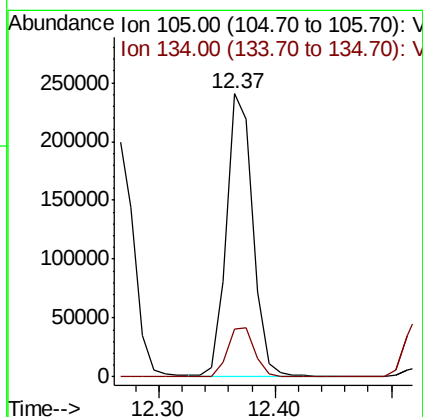
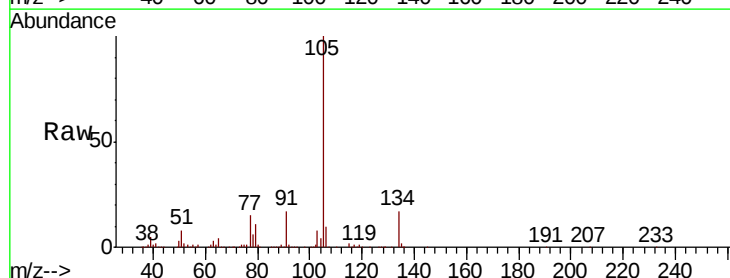
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBSD01

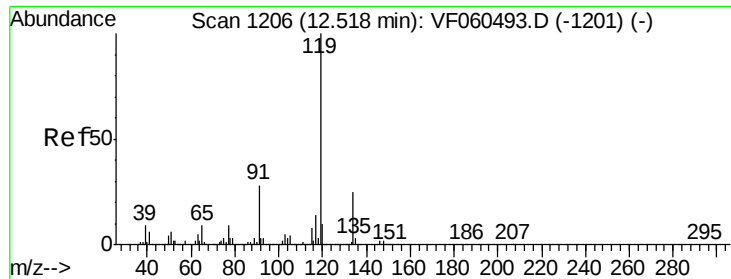
Tgt Ion:105 Resp: 291205
 Ion Ratio Lower Upper
 105 100
 120 42.3 21.7 65.1



#85
 sec-Butylbenzene
 Concen: 21.963 ug/l
 RT: 12.37 min Scan# 1190
 Delta R.T. -0.00 min
 Lab File: VF060500.D
 Acq: 9 Oct 2018 20:31

Tgt Ion:105 Resp: 377953
 Ion Ratio Lower Upper
 105 100
 134 16.7 9.3 27.9

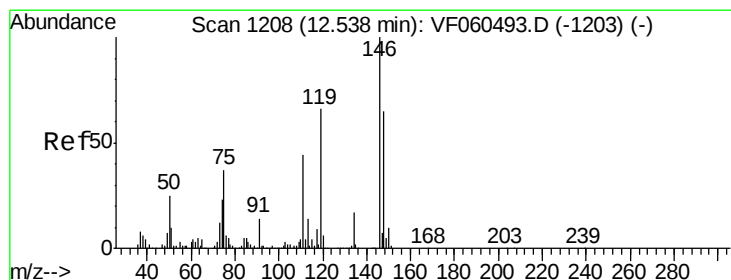
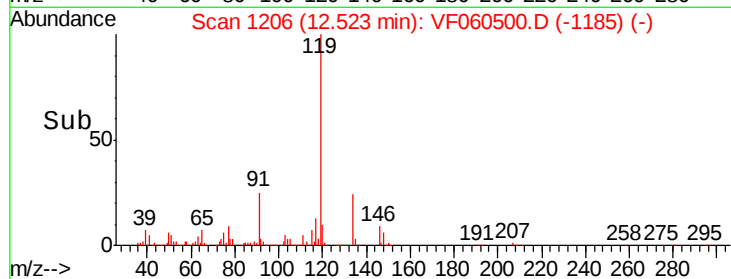
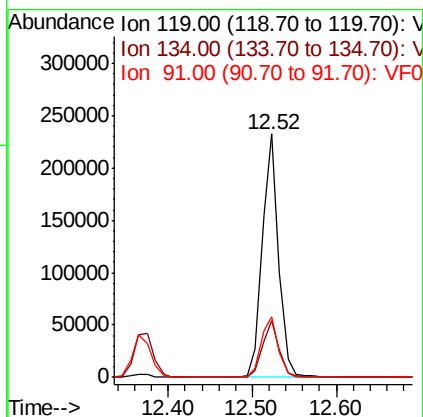
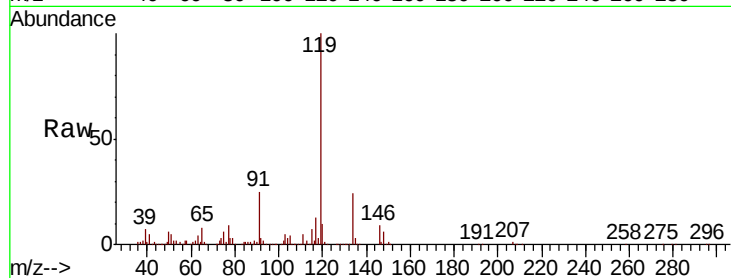




#86
p-Isopropyltoluene
Concen: 22.589 ug/l
RT: 12.52 min Scan# 1206
Delta R.T. 0.01 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

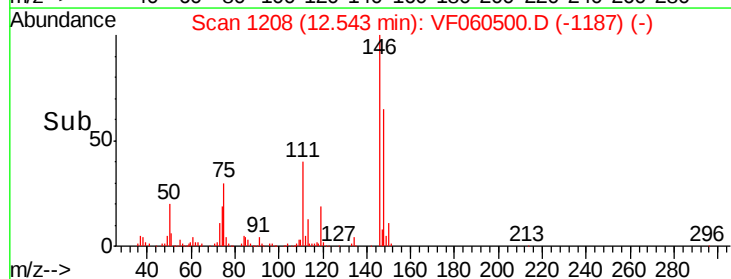
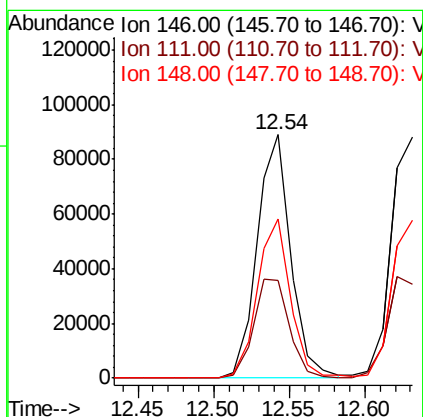
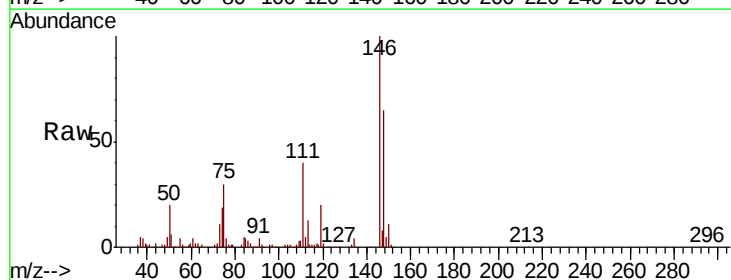
Instrument :
MSVOA_F
ClientSampleId :
VF1009SBSD01

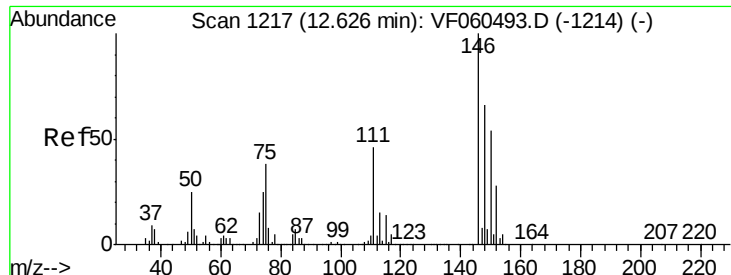
Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.5	12.6	37.6
91	24.7	14.1	42.4



#87
1,3-Dichlorobenzene
Concen: 21.654 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. 0.01 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	22.2	66.6
148	65.5	32.7	98.1

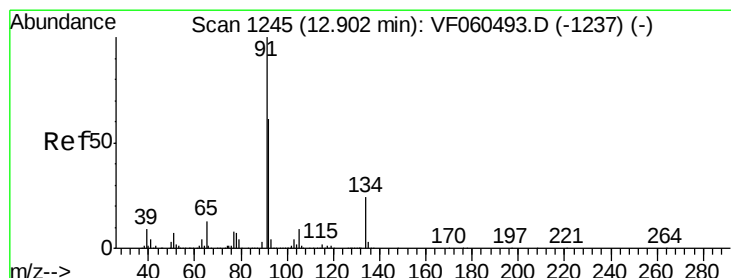
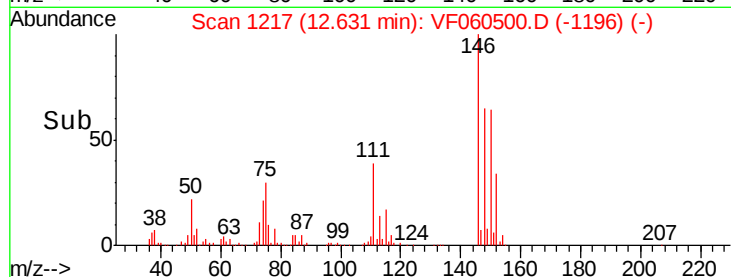
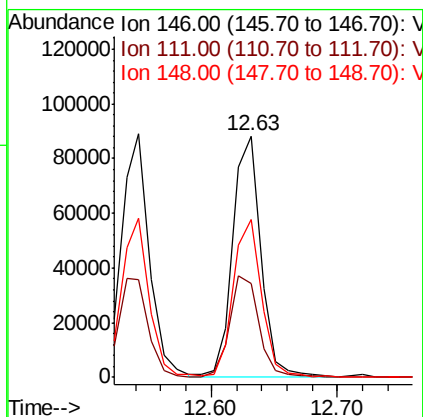
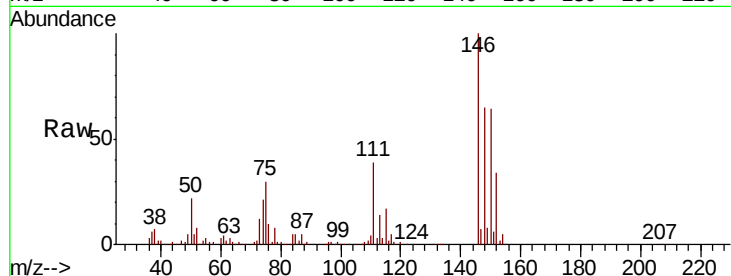




#88
 1,4-Dichlorobenzene
 Concen: 21.793 ug/l
 RT: 12.63 min Scan# 1217
 Delta R.T. 0.01 min
 Lab File: VF060500.D
 Acq: 9 Oct 2018 20:31

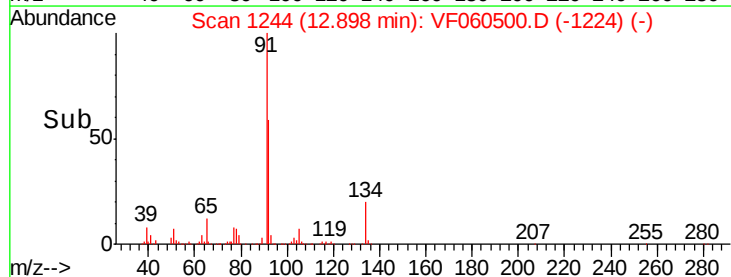
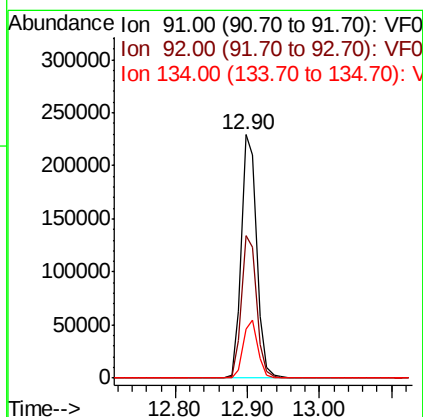
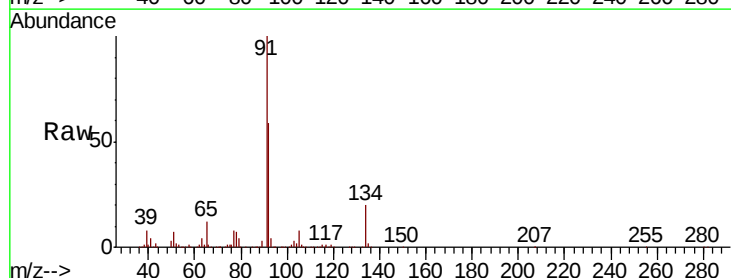
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBSD01

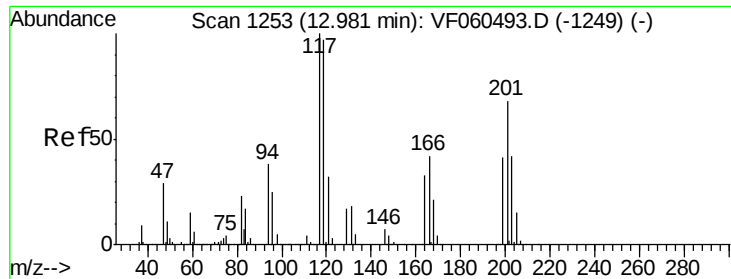
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	23.2	69.6
148	65.4	33.3	99.9



#89
 n-Butylbenzene
 Concen: 23.336 ug/l
 RT: 12.90 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: VF060500.D
 Acq: 9 Oct 2018 20:31

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.6	30.8	92.3
134	19.9	12.1	36.3





#90

Hexachloroethane

Concen: 22.148 ug/l

RT: 12.98 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

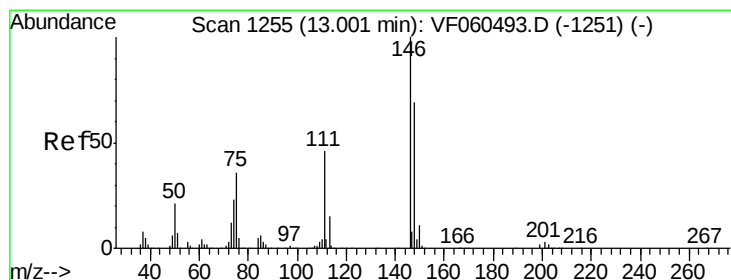
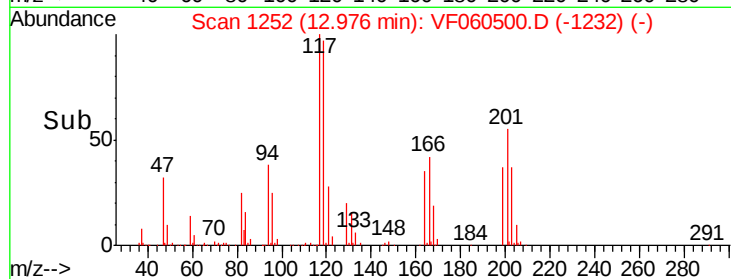
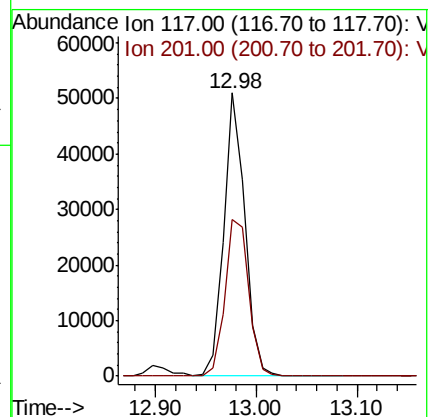
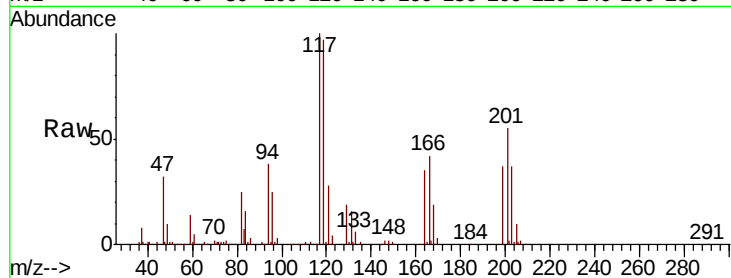
VF1009SBSD01

Tgt Ion:117 Resp: 74820

Ion Ratio Lower Upper

117 100

201 55.2 34.0 102.0



#91

1,2-Dichlorobenzene

Concen: 21.268 ug/l

RT: 13.01 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

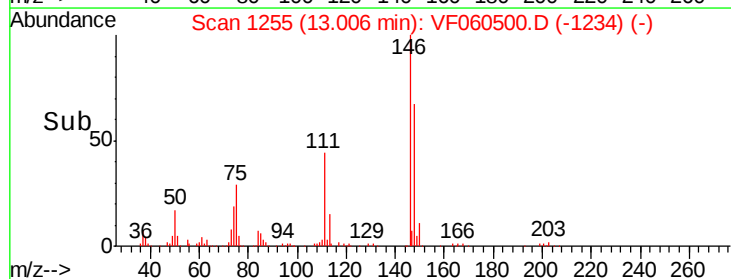
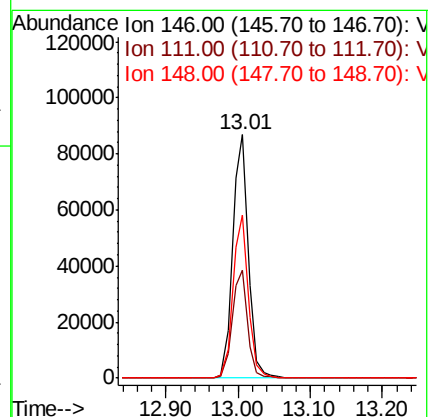
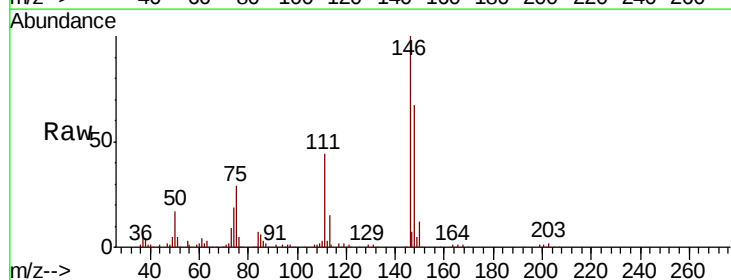
Tgt Ion:146 Resp: 130391

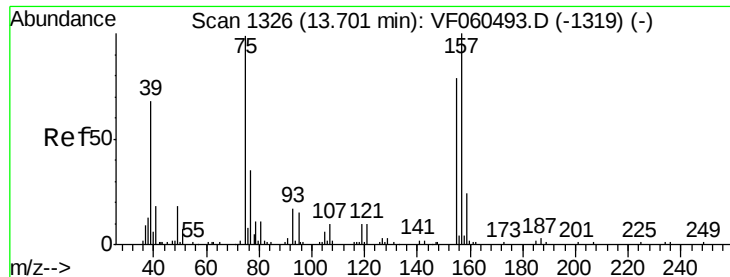
Ion Ratio Lower Upper

146 100

111 44.1 22.9 68.7

148 67.0 34.5 103.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 20.751 ug/l

RT: 13.70 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

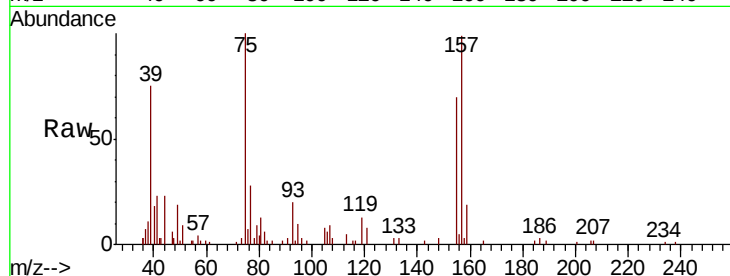
Tgt Ion: 75 Resp: 11138

Ion Ratio Lower Upper

75 100

155 70.5 40.6 121.7

157 99.3 50.8 152.5

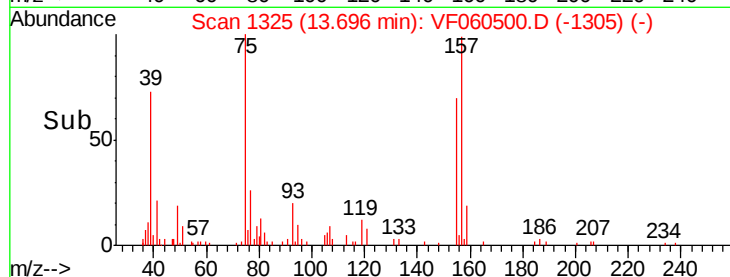


Abundance Ion 75.00 (74.70 to 75.70): VF060493.D (-1319) (-)

Ion 155.00 (154.70 to 155.70): VF060493.D (-1319) (-)

Ion 157.00 (156.70 to 157.70): VF060493.D (-1319) (-)

Time-->

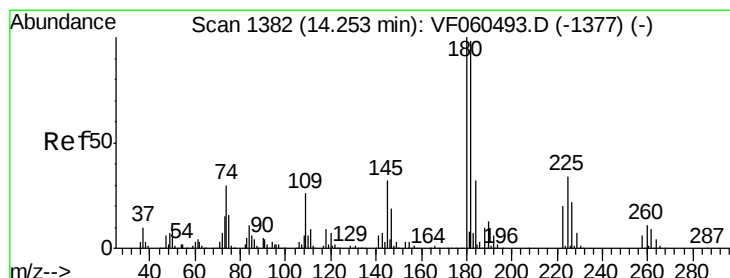


Abundance Ion 75.00 (74.70 to 75.70): VF060500.D (-1305) (-)

Ion 155.00 (154.70 to 155.70): VF060500.D (-1305) (-)

Ion 157.00 (156.70 to 157.70): VF060500.D (-1305) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 21.241 ug/l

RT: 14.25 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

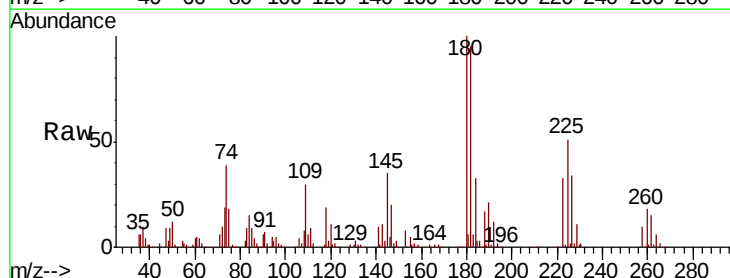
Tgt Ion: 180 Resp: 100568

Ion Ratio Lower Upper

180 100

182 94.8 48.9 146.8

145 34.6 16.2 48.5

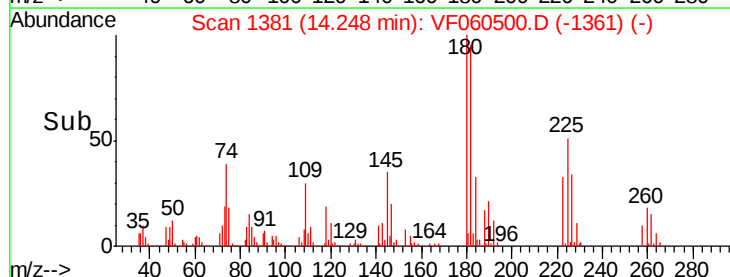


Abundance Ion 180.00 (179.70 to 180.70): VF060493.D (-1377) (-)

Ion 182.00 (181.70 to 182.70): VF060493.D (-1377) (-)

Ion 145.00 (144.70 to 145.70): VF060493.D (-1377) (-)

Time-->

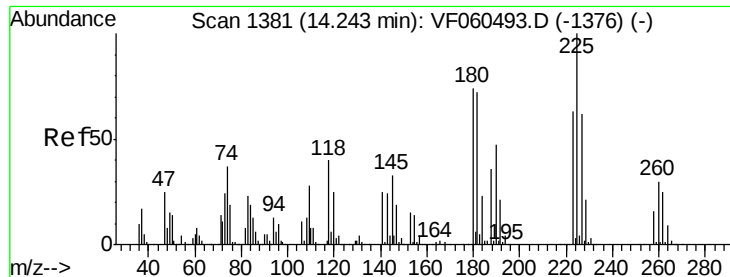


Abundance Ion 180.00 (179.70 to 180.70): VF060500.D (-1361) (-)

Ion 182.00 (181.70 to 182.70): VF060500.D (-1361) (-)

Ion 145.00 (144.70 to 145.70): VF060500.D (-1361) (-)

Time-->



#94

Hexachlorobutadiene

Concen: 21.589 ug/l

RT: 14.24 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBSD01

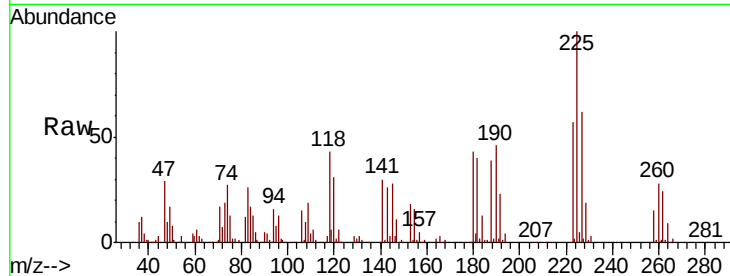
Tgt Ion:225 Resp: 69492

Ion Ratio Lower Upper

225 100

223 57.4 31.4 94.2

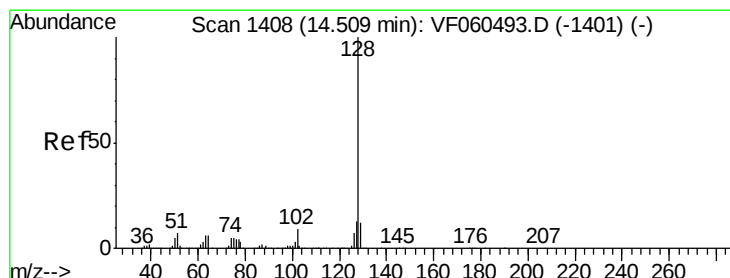
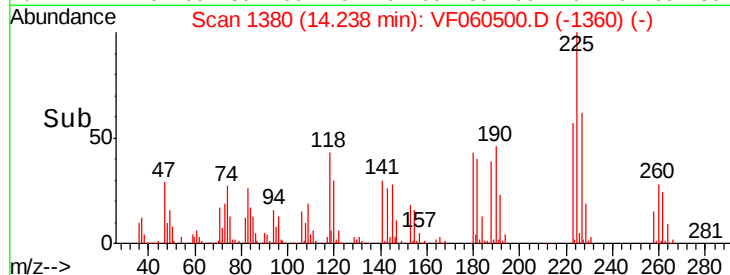
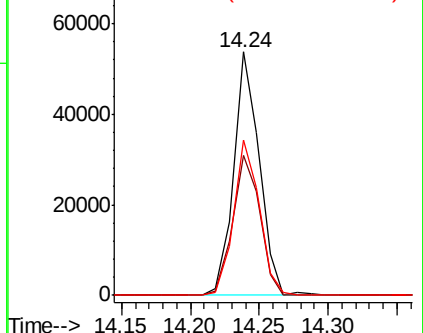
227 64.0 30.9 92.7



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: 22.209 ug/l

RT: 14.50 min Scan# 1407

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

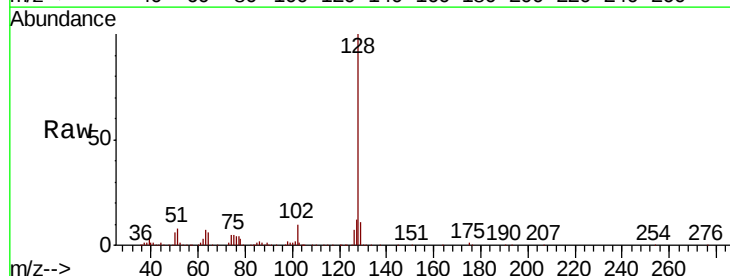
Tgt Ion:128 Resp: 180757

Ion Ratio Lower Upper

128 100

127 11.5 10.2 15.2

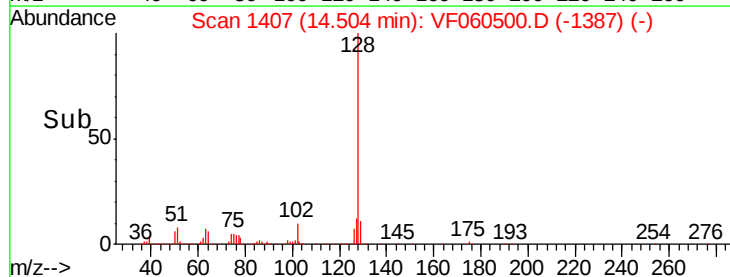
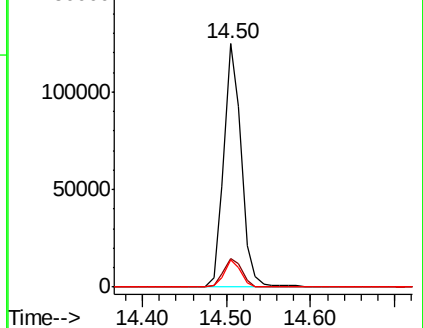
129 11.3 9.2 13.8

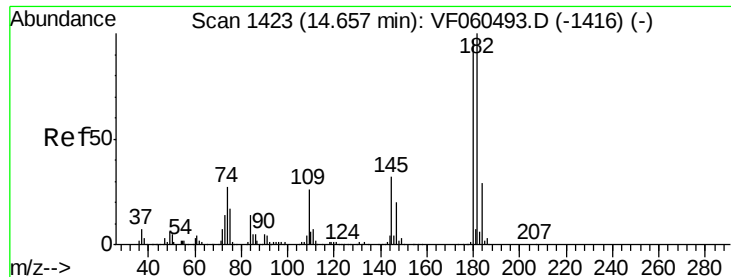


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

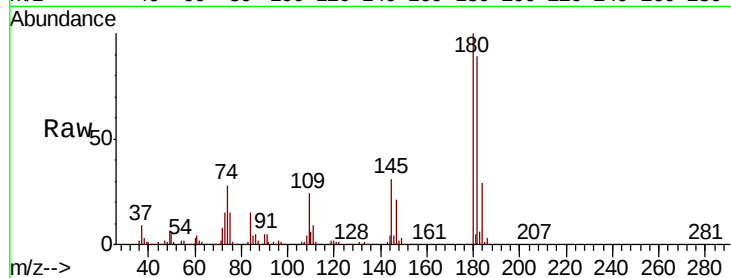




#96
 1,2,3-Trichlorobenzene
 Concen: 21.461 ug/l
 RT: 14.65 min Scan# 1422
 Delta R.T. -0.00 min
 Lab File: VF060500.D
 Acq: 9 Oct 2018 20:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBSD01

Tgt Ion:180 Resp: 94662
 Ion Ratio Lower Upper
 180 100
 182 89.4 51.3 153.9
 145 30.9 16.4 49.2



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

