

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF102518\
 Data File : VF060506.D
 Acq On : 25 Oct 2018 14:36
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Quant Time: Oct 26 00:33:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 26 00:30:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	166369	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	229778	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	219619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	146791	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	33323	13.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	26.42%	
35) Dibromofluoromethane	4.29	113	29240	13.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	27.64%	
50) Toluene-d8	7.71	98	61763	12.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	24.30%	
62) 4-Bromofluorobenzene	11.51	95	32590	14.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	29.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.00	85	53260	16.292	ug/l	82
3) Chloromethane	1.12	50	23521	11.630	ug/l	91
4) Vinyl Chloride	1.18	62	26797	12.215	ug/l	97
5) Bromomethane	1.35	94	28509	16.524	ug/l	90
6) Chloroethane	1.42	64	15344	13.231	ug/l #	86
7) Trichlorofluoromethane	1.55	101	62826	12.777	ug/l	98
8) Diethyl Ether	1.69	74	7056	10.029	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.89	101	35626	14.484	ug/l	92
10) Methyl Iodide	1.92	142	15060	3.862	ug/l	98
11) Tert butyl alcohol	2.67	59	11089	83.878	ug/l #	84
12) 1,1-Dichloroethene	1.85	96	24188	11.772	ug/l	89
13) Acrolein	2.16	56	271	3.308	ug/l	92
14) Allyl chloride	2.18	41	40258	13.292	ug/l	96
15) Acrylonitrile	3.07	53	14640	52.600	ug/l	91
16) Acetone	2.33	43	50128	90.669	ug/l	93
17) Carbon Disulfide	1.86	76	71141	12.451	ug/l	95
18) Methyl Acetate	2.53	43	21662	20.673	ug/l	94
19) Methyl tert-butyl Ether	2.53	73	62995	13.620	ug/l	99
20) Methylene Chloride	2.27	84	26703	13.913	ug/l #	86
21) trans-1,2-Dichloroethene	2.40	96	25245	13.164	ug/l	87
22) Diisopropyl ether	2.92	45	69737	11.202	ug/l	89
23) Vinyl Acetate	3.32	43	114295	52.444	ug/l	97
24) 1,1-Dichloroethane	3.00	63	56904	13.620	ug/l	96
25) 2-Butanone	4.50	43	33621	55.865	ug/l	99
26) 2,2-Dichloropropane	3.76	77	38171	17.523	ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	22014	9.834	ug/l	71
28) Bromochloromethane	3.89	49	17341	11.950	ug/l #	83
29) Tetrahydrofuran	4.25	42	12629	49.780	ug/l	92
30) Chloroform	4.03	83	62100	12.844	ug/l	99
31) Cyclohexane	3.84	56	27584	10.320	ug/l #	77
32) 1,1,1-Trichloroethane	4.27	97	60325	15.838	ug/l	94
36) 1,1-Dichloropropene	4.45	75	36971	13.833	ug/l	97
37) Ethyl Acetate	4.29	43	13484	14.283	ug/l #	53
38) Carbon Tetrachloride	4.16	117	56196	20.931	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	30684	12.193	ug/l	88
40) Benzene	4.80	78	62734	11.432	ug/l	98
41) Methacrylonitrile	4.92	41	5745	10.710	ug/l	92
42) 1,2-Dichloroethane	5.12	62	39185	15.740	ug/l	99
43) Isopropyl Acetate	7.11	43	13474	11.451	ug/l #	81
44) Trichloroethene	5.67	130	21328	12.476	ug/l	91
45) 1,2-Dichloropropane	6.40	63	16030	11.933	ug/l	91
46) Dibromomethane	6.24	93	15495	14.380	ug/l #	77
47) Bromodichloromethane	6.54	83	40036	14.711	ug/l	97
48) Methyl methacrylate	6.87	41	9709	12.181	ug/l #	82
49) 1,4-Dioxane	6.86	88	1695	247.363	ug/l #	52
51) 4-Methyl-2-Pentanone	8.41	43	52663	64.160	ug/l	93
52) Toluene	7.78	92	41708	12.068	ug/l	89
53) t-1,3-Dichloropropene	8.43	75	31707	15.001	ug/l #	80
54) cis-1,3-Dichloropropene	7.45	75	32689	13.279	ug/l	90
55) 1,1,2-Trichloroethane	8.62	97	12054	11.349	ug/l	94
56) Ethyl methacrylate	8.76	69	14730	11.986	ug/l #	88
57) 1,3-Dichloropropane	9.00	76	24214	13.239	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.78	63	9464	75.783	ug/l	100
59) 2-Hexanone	9.63	43	42398	71.411	ug/l	98
60) Dibromochloromethane	8.85	129	24371	14.617	ug/l	93
61) 1,2-Dibromoethane	9.13	107	16103	13.418	ug/l	88
64) Tetrachloroethene	8.30	164	19632	11.278	ug/l	91
65) Chlorobenzene	9.94	112	50128	11.753	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.06	131	26794	13.946	ug/l	91
67) Ethyl Benzene	10.03	91	102524	12.741	ug/l	94
68) m/p-Xylenes	10.27	106	64869	23.615	ug/l	84
69) o-Xylene	10.82	106	35323	11.824	ug/l	95
70) Styrene	10.90	104	51298	11.930	ug/l	96
71) Bromoform	10.88	173	13991	14.364	ug/l	99
73) Isopropylbenzene	11.23	105	133531	12.238	ug/l	97
74) N-amyl acetate	11.46	43	23138	9.742	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	16933	9.233	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	16124	11.373	ug/l	83
77) Bromobenzene	11.59	156	26295	10.844	ug/l	92
78) n-propylbenzene	11.69	91	152809	11.759	ug/l	96
79) 2-Chlorotoluene	11.81	91	88255	11.600	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	115259	12.591	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	10209	16.515	ug/l #	73
82) 4-Chlorotoluene	11.99	91	96941	12.350	ug/l	95
83) tert-Butylbenzene	12.21	119	120032	13.044	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	110732	11.915	ug/l	95
85) sec-Butylbenzene	12.39	105	150684	12.074	ug/l	94
86) p-Isopropyltoluene	12.54	119	133415	13.022	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	57595	12.470	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	53043	11.842	ug/l	98
89) n-Butylbenzene	12.91	91	144554	13.483	ug/l	94
90) Hexachloroethane	12.99	117	34059	13.902	ug/l	96
91) 1,2-Dichlorobenzene	13.02	146	52519	11.812	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	3753	9.641	ug/l	89

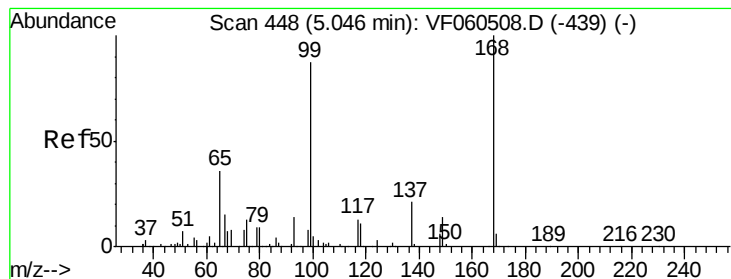
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF102518\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	43791	12.754	ug/l	94
94) Hexachlorobutadiene	14.25	225	30047	12.871	ug/l	96
95) Naphthalene	14.52	128	59976	10.161	ug/l #	95
96) 1,2,3-Trichlorobenzene	14.67	180	38479	12.029	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 447

Delta R.T. -0.01 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

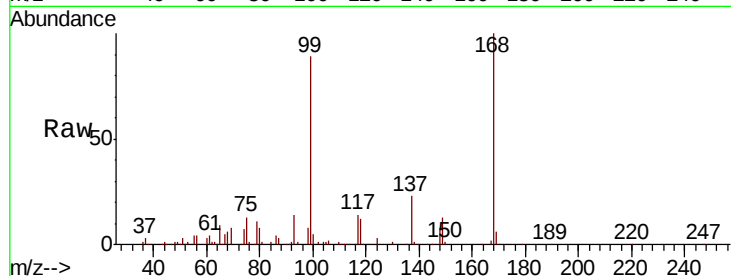
VSTDIC010

Tgt Ion:168 Resp: 166369

Ion Ratio Lower Upper

168 100

99 89.2 69.9 104.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

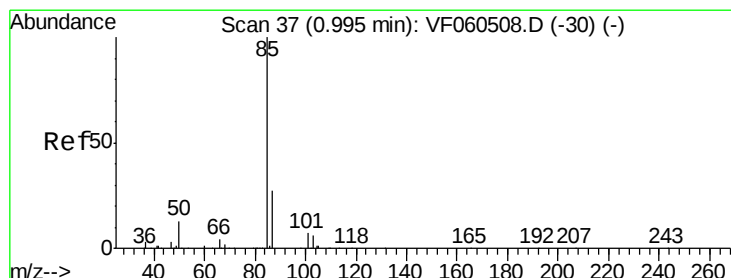
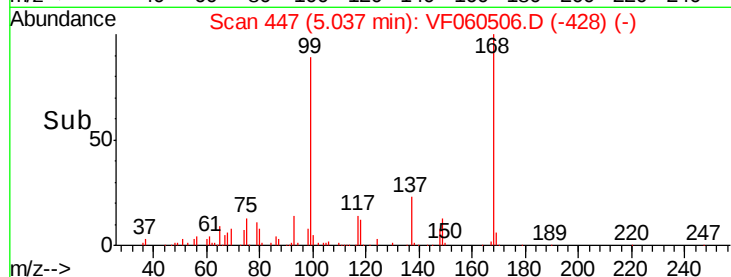
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 16.292 ug/l

RT: 1.00 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060506.D

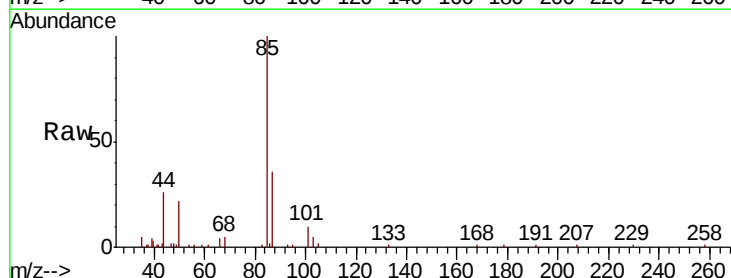
Acq: 25 Oct 2018 14:36

Tgt Ion: 85 Resp: 53260

Ion Ratio Lower Upper

85 100

87 36.3 13.5 40.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

20000

15000

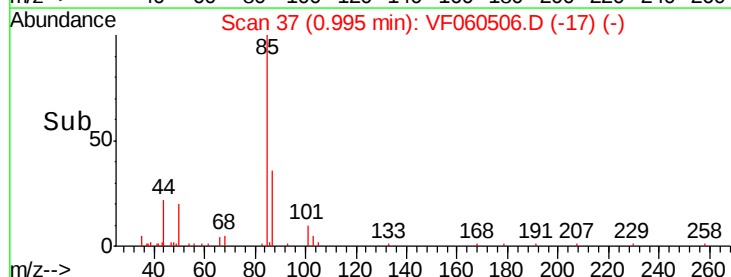
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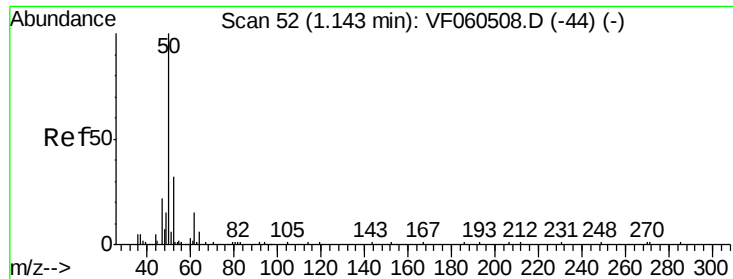
5000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 11.630 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.02 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

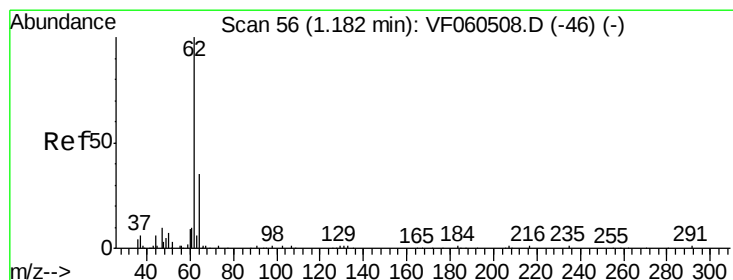
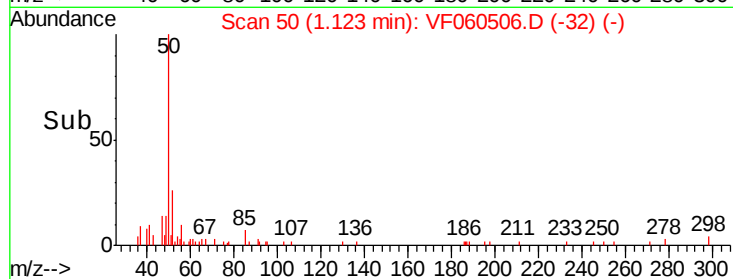
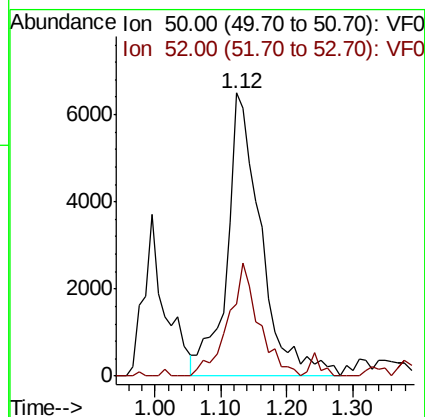
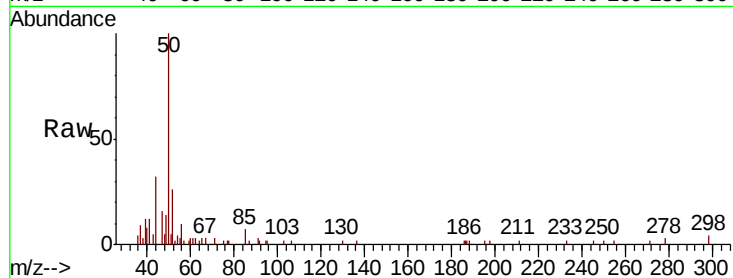
VSTDIC010

Tgt Ion: 50 Resp: 23521

Ion Ratio Lower Upper

50 100

52 25.7 24.5 36.7



#4

Vinyl Chloride

Concen: 12.215 ug/l

RT: 1.18 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF060506.D

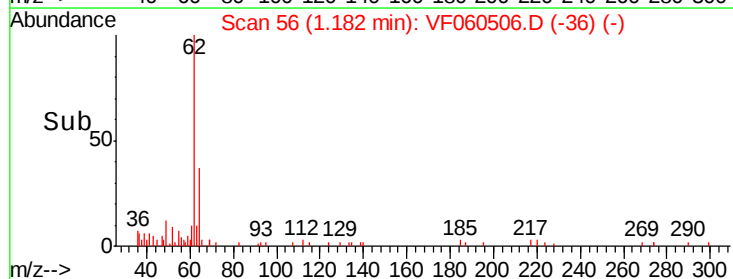
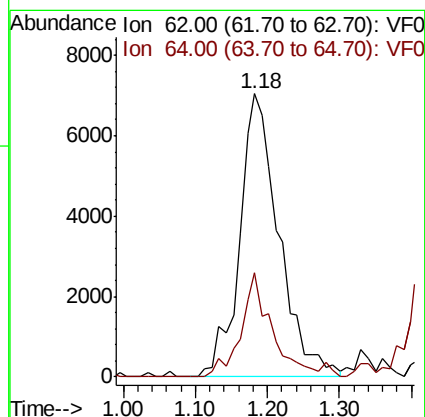
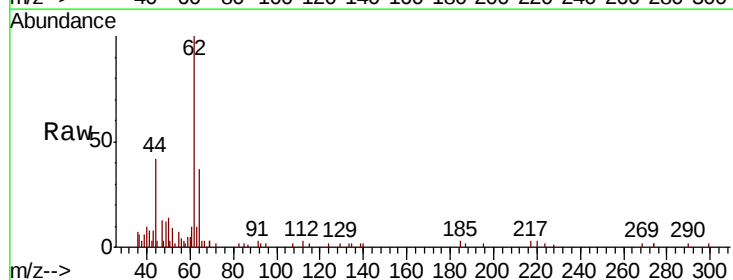
Acq: 25 Oct 2018 14:36

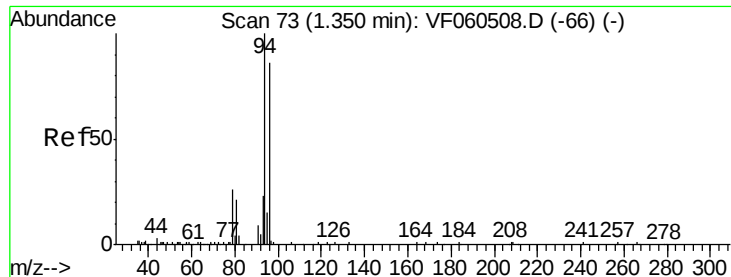
Tgt Ion: 62 Resp: 26797

Ion Ratio Lower Upper

62 100

64 36.8 27.8 41.8





#5

Bromomethane

Concen: 16.524 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

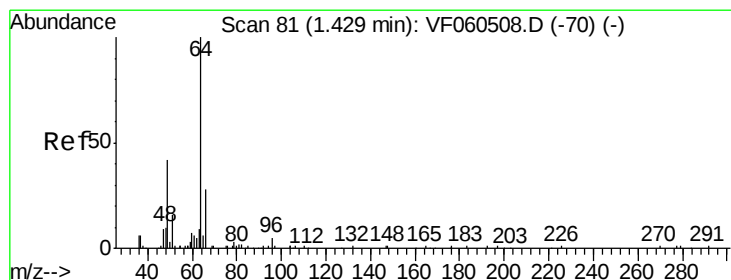
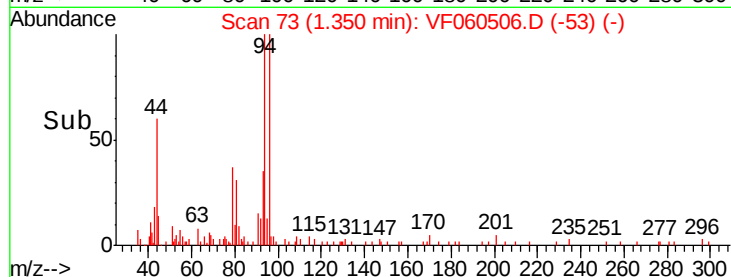
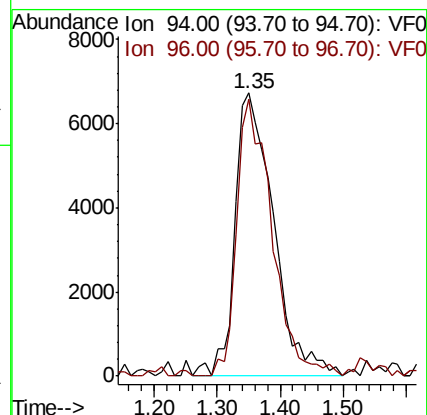
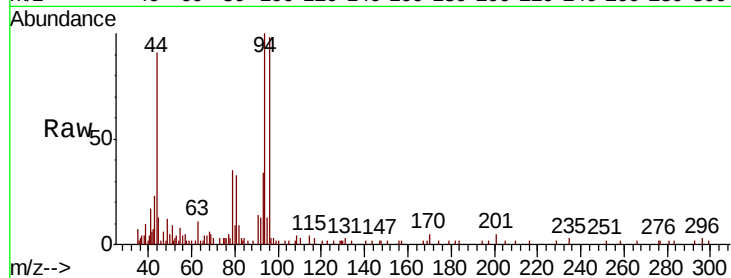
VSTDIC010

Tgt Ion: 94 Resp: 28509

Ion Ratio Lower Upper

94 100

96 97.7 70.6 105.8



#6

Chloroethane

Concen: 13.231 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060506.D

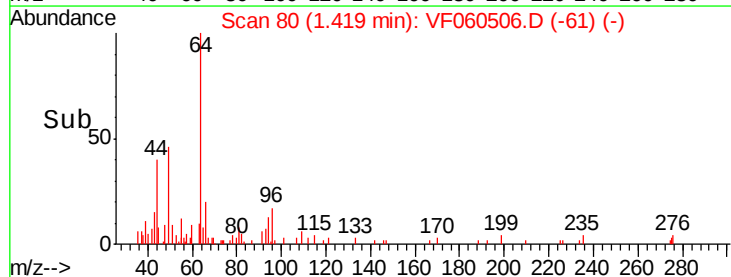
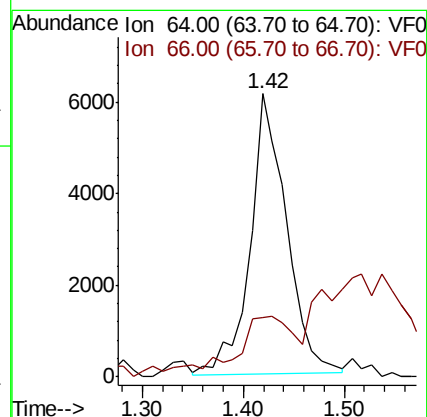
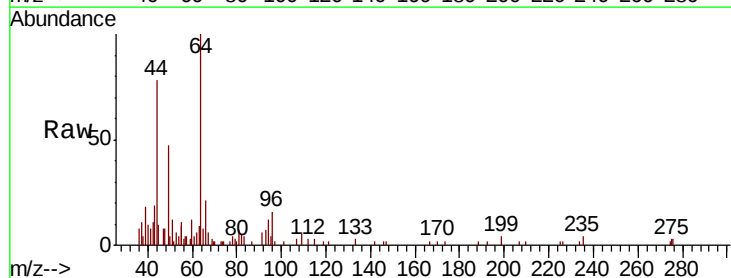
Acq: 25 Oct 2018 14:36

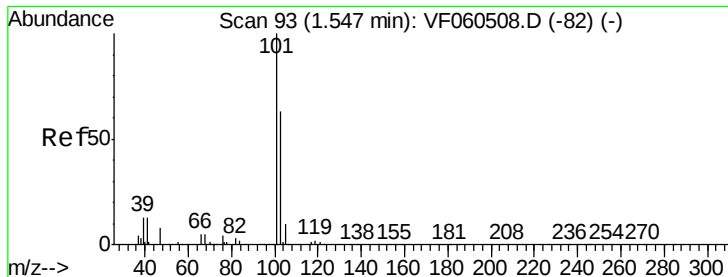
Tgt Ion: 64 Resp: 15344

Ion Ratio Lower Upper

64 100

66 20.8 22.4 33.6#





#7

Trichlorofluoromethane

Concen: 12.777 ug/l

RT: 1.55 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

Instrument :

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ClientSampleId :

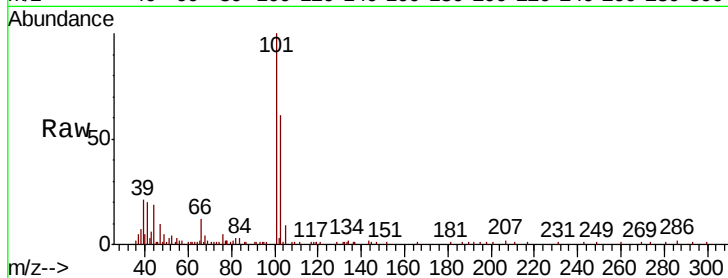
VSTDIC010

Tgt Ion:101 Resp: 62826

Ion Ratio Lower Upper

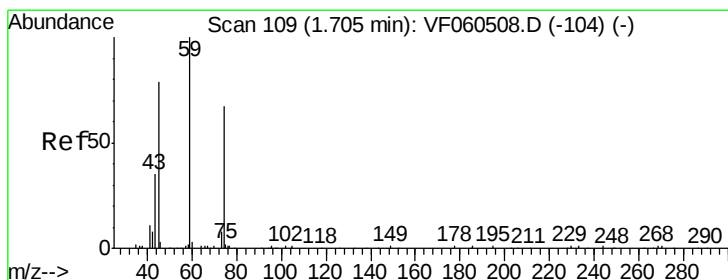
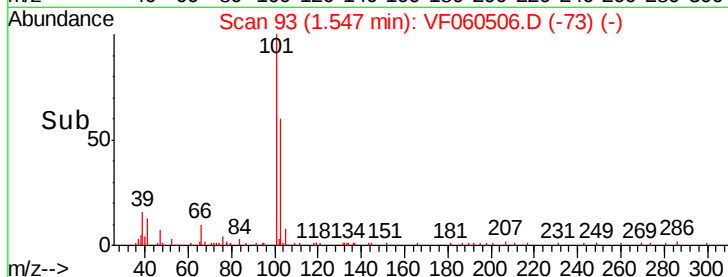
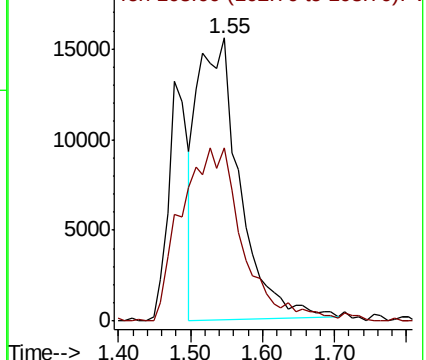
101 100

103 61.4 50.4 75.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 10.029 ug/l

RT: 1.69 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060506.D

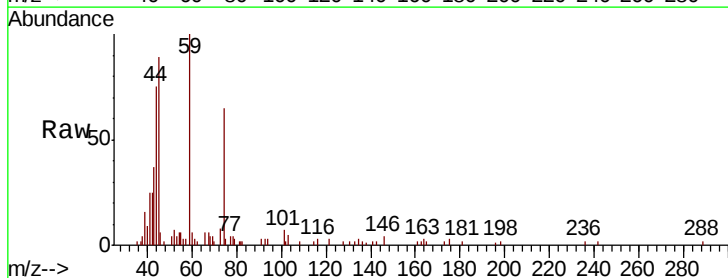
Acq: 25 Oct 2018 14:36

Tgt Ion: 74 Resp: 7056

Ion Ratio Lower Upper

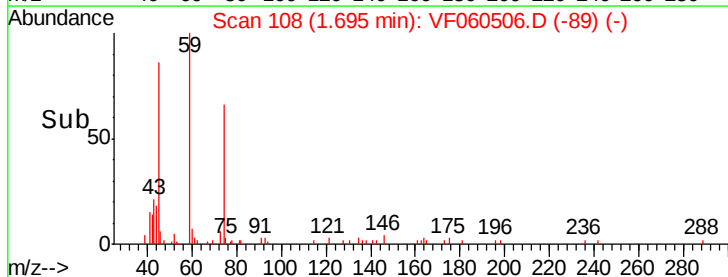
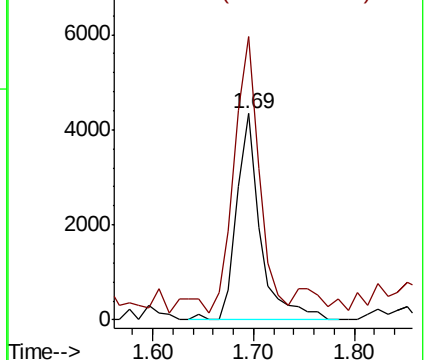
74 100

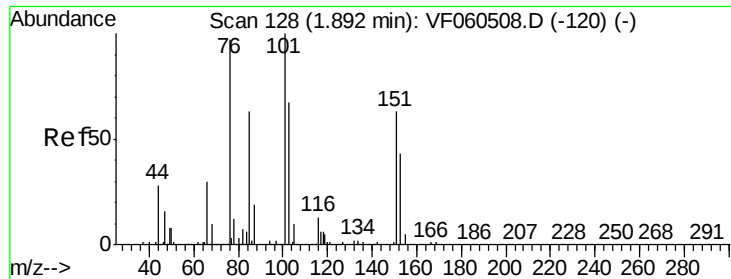
45 137.1 62.1 186.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

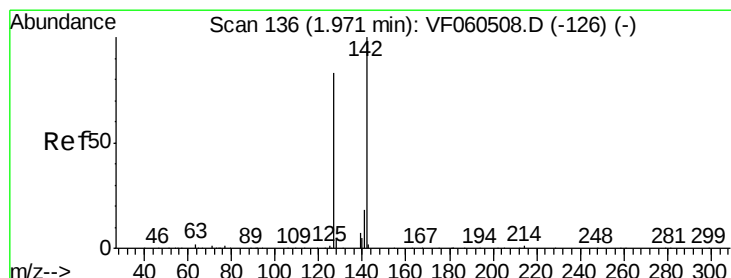
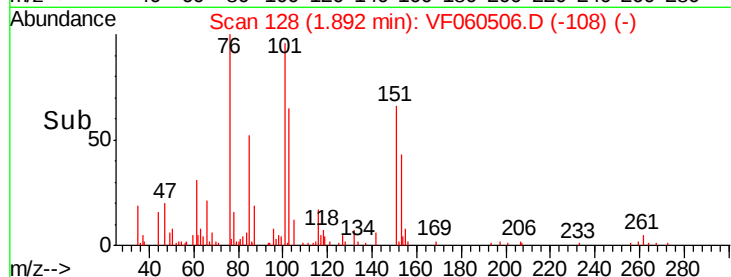
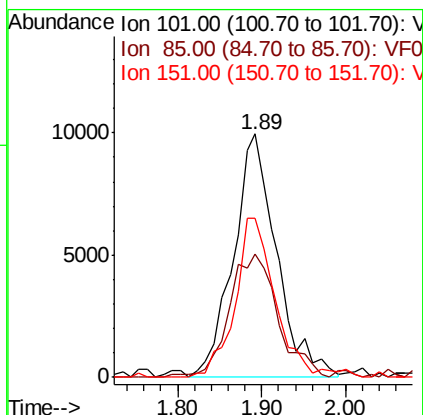
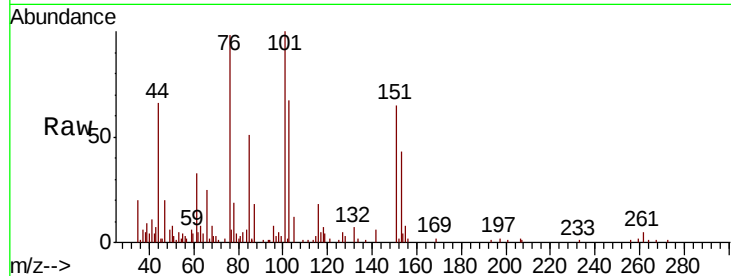




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 14.484 ug/l
 RT: 1.89 min Scan# 128
 Delta R.T. 0.00 min
 Lab File: VF060506.D
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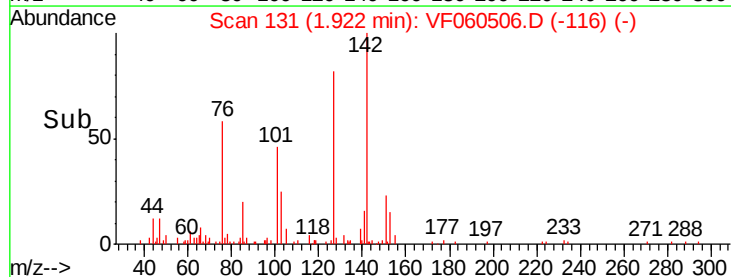
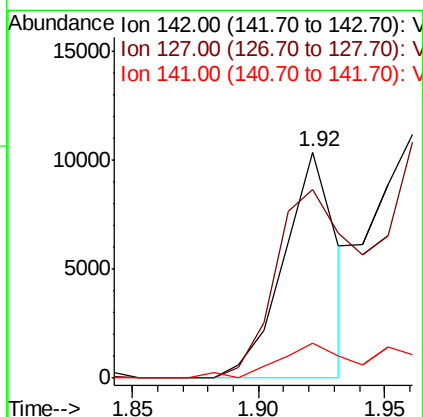
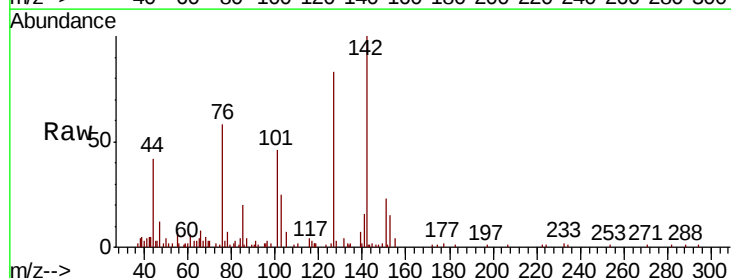
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 ClientSampleId :
 VSTDIC010

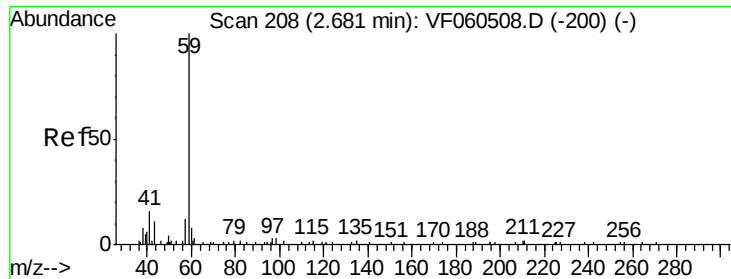
Tgt Ion:101 Resp: 35626
 Ion Ratio Lower Upper
 101 100
 85 52.0 49.9 74.9
 151 65.2 50.6 76.0



#10
 Methyl Iodide
 Concen: 3.862 ug/l
 RT: 1.92 min Scan# 131
 Delta R.T. -0.05 min
 Lab File: VF060506.D
 Acq: 25 Oct 2018 14:36

Tgt Ion:142 Resp: 15060
 Ion Ratio Lower Upper
 142 100
 127 82.2 66.5 99.7
 141 15.3 14.2 21.4

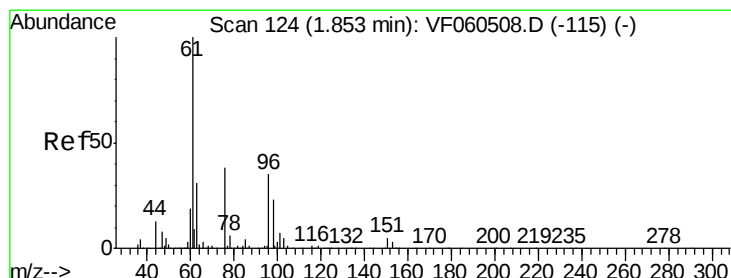
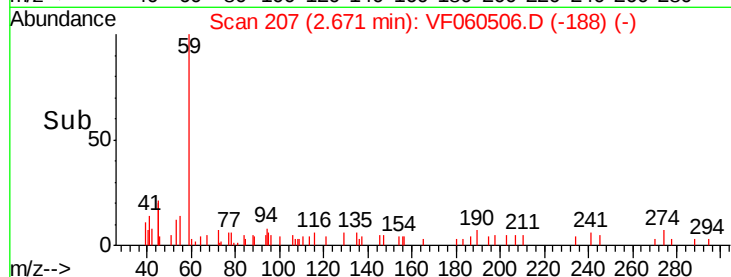
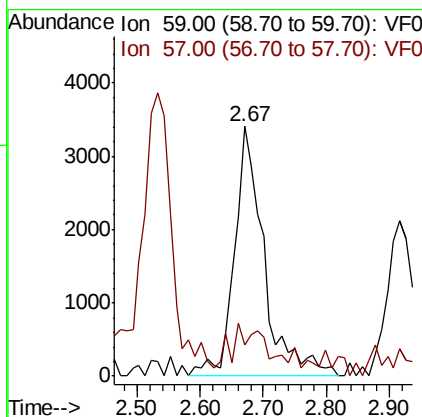
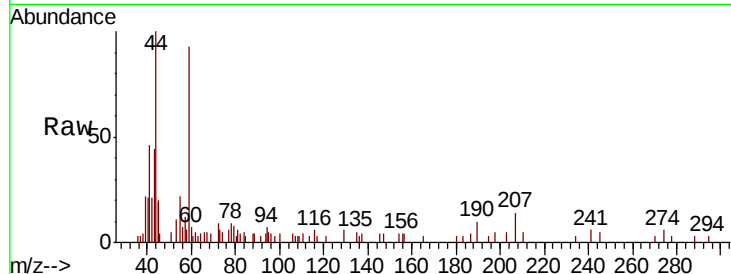




#11
Tert butyl alcohol
Concen: 83.878 ug/l
RT: 2.67 min Scan# 207
Delta R.T. -0.01 min
Lab File: VF060506.D
Acq: 25 Oct 2018 14:36

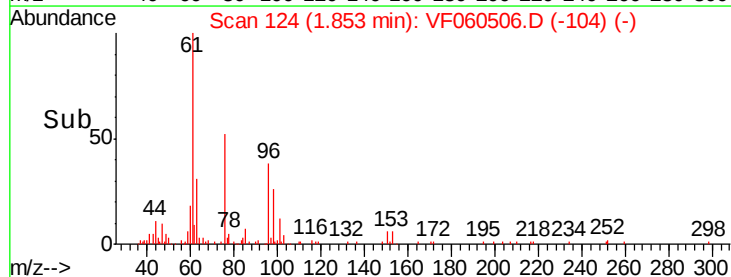
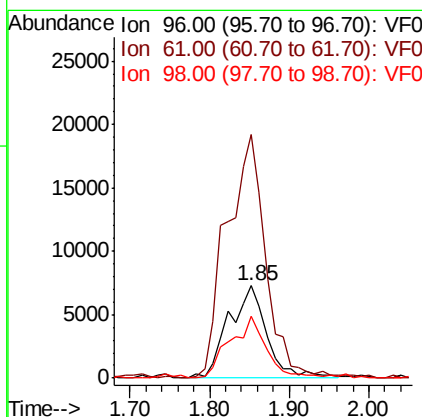
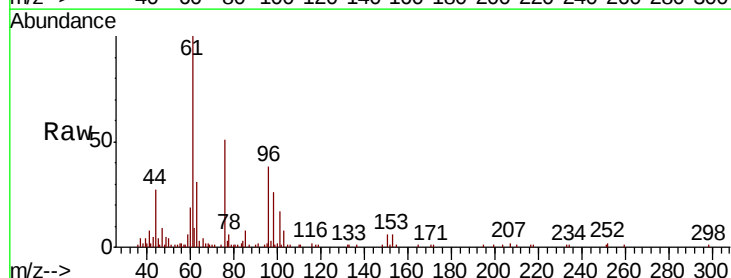
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

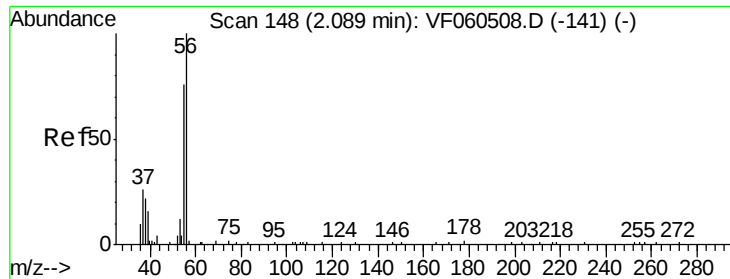
Tgt Ion: 59 Resp: 11089
Ion Ratio Lower Upper
59 100
57 12.7 15.8 23.8#



#12
1,1-Dichloroethene
Concen: 11.772 ug/l
RT: 1.85 min Scan# 124
Delta R.T. 0.00 min
Lab File: VF060506.D
Acq: 25 Oct 2018 14:36

Tgt Ion: 96 Resp: 24188
Ion Ratio Lower Upper
96 100
61 263.2 231.4 347.0
98 67.1 53.3 79.9

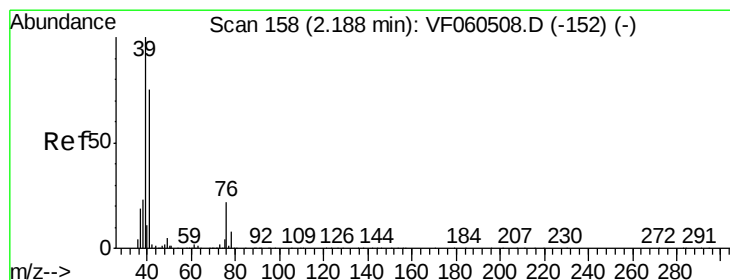
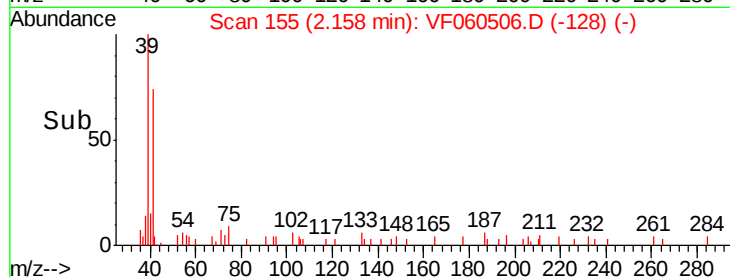
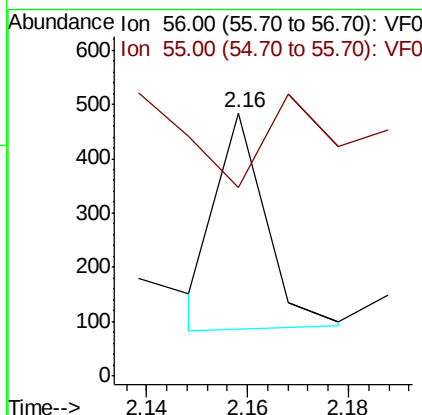
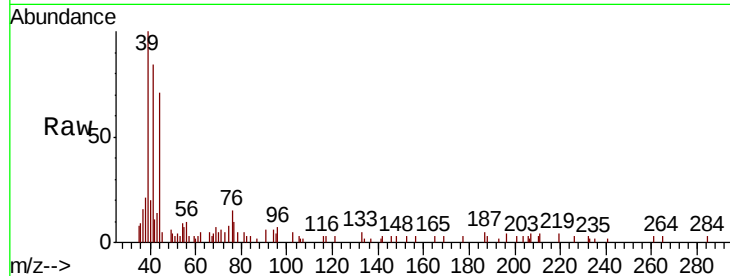




#13
Acrolein
Concen: 3.308 ug/l
RT: 2.16 min Scan# 155
Delta R.T. 0.07 min
Lab File: VF060506.D
Acq: 25 Oct 2018 14:36

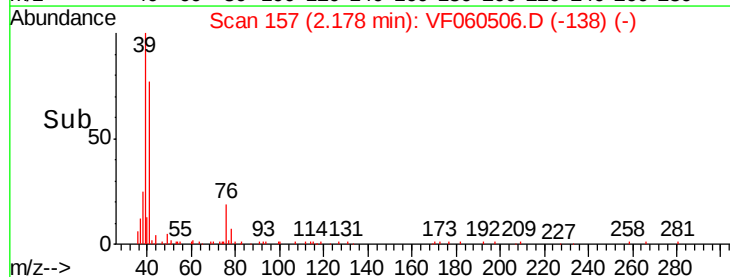
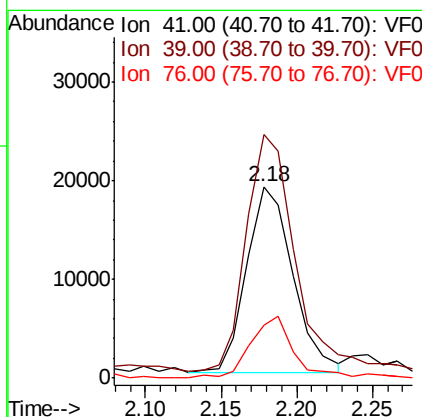
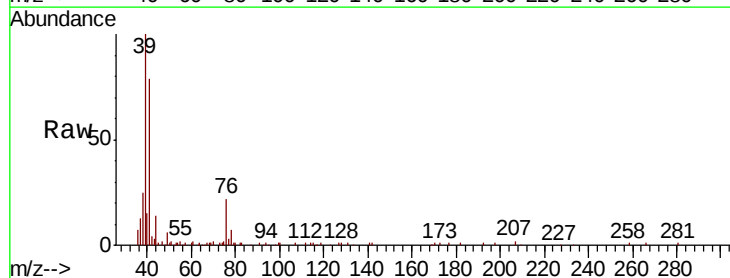
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

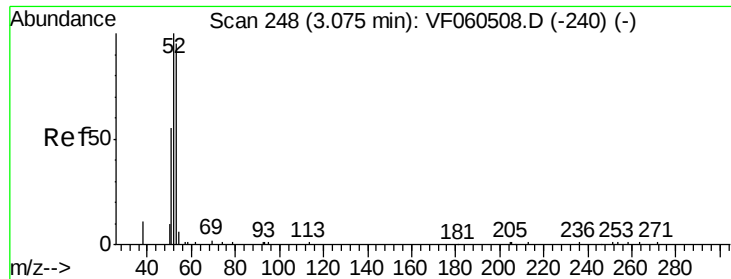
Tgt Ion: 56 Resp: 271
Ion Ratio Lower Upper
56 100
55 71.9 63.0 94.4



#14
Allyl chloride
Concen: 13.292 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF060506.D
Acq: 25 Oct 2018 14:36

Tgt Ion: 41 Resp: 40258
Ion Ratio Lower Upper
41 100
39 127.4 106.0 159.0
76 27.5 24.1 36.1





#15

Acrylonitrile

Concen: 52.600 ug/l

RT: 3.07 min Scan# 247

Delta R.T. -0.01 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

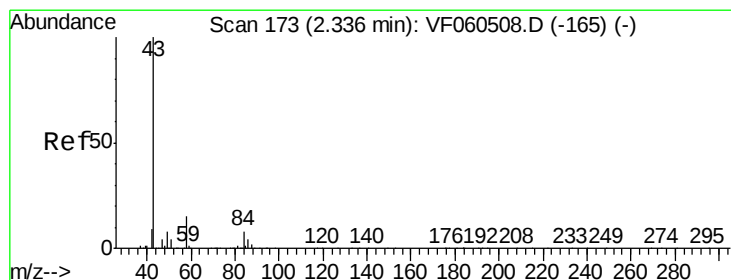
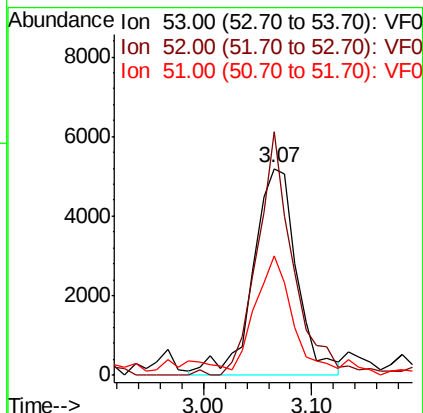
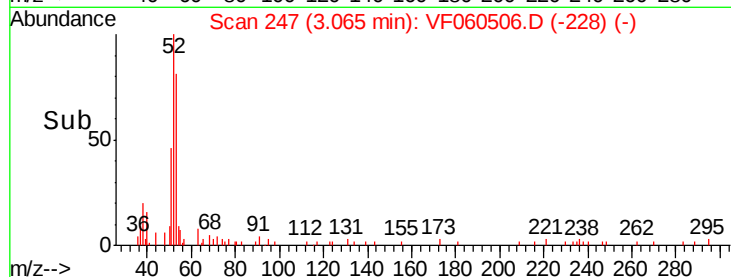
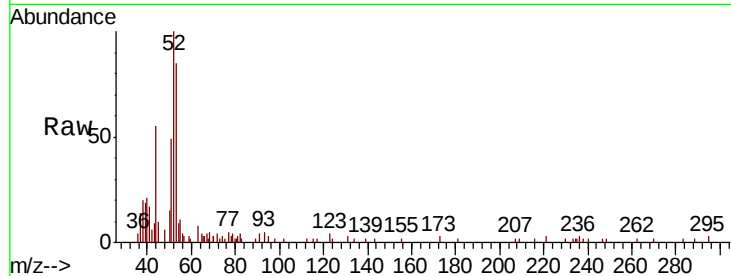
Tgt Ion: 53 Resp: 14640

Ion Ratio Lower Upper

53 100

52 117.9 84.0 126.0

51 57.8 48.6 73.0



#16

Acetone

Concen: 90.669 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060506.D

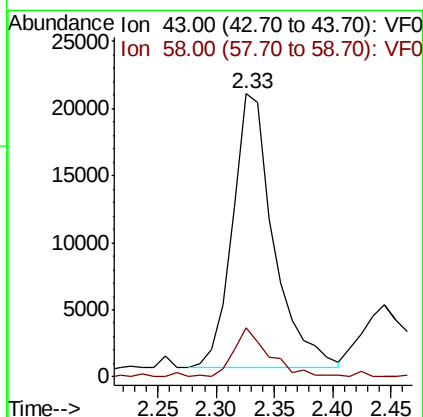
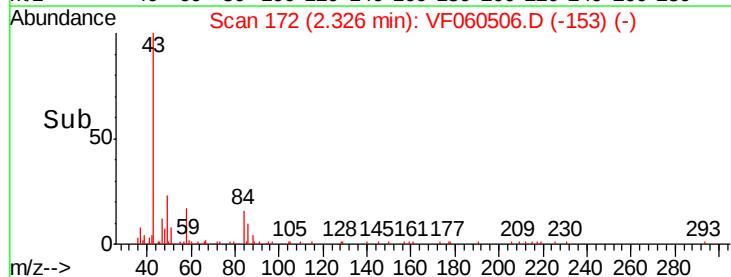
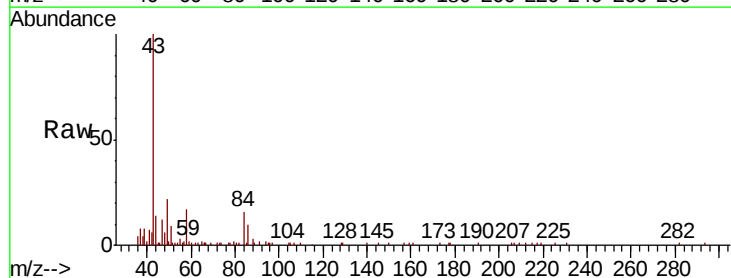
Acq: 25 Oct 2018 14:36

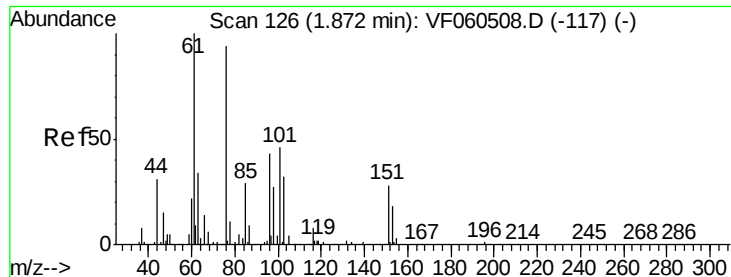
Tgt Ion: 43 Resp: 50128

Ion Ratio Lower Upper

43 100

58 17.3 11.7 17.5

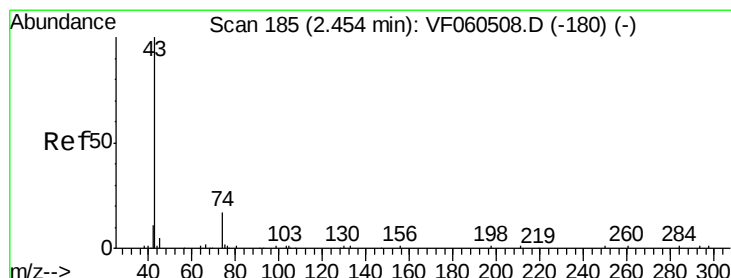
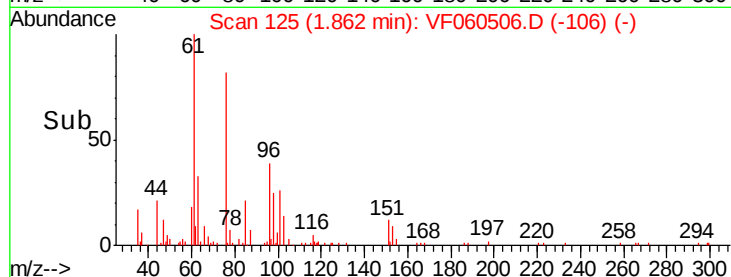
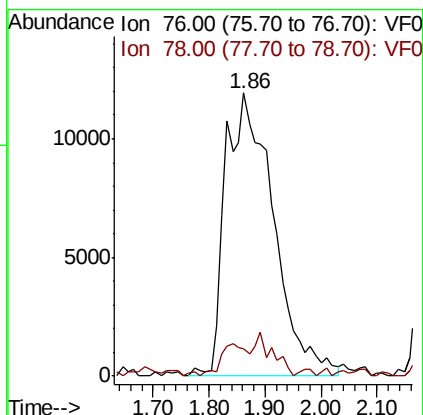
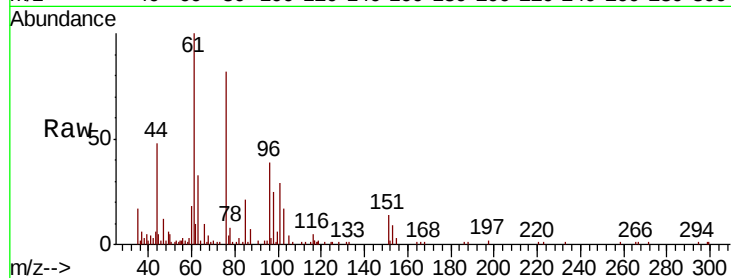




#17
Carbon Disulfide
Concen: 12.451 ug/l
RT: 1.86 min Scan# 125
Delta R.T. -0.01 min
Lab File: VF060506.D
Acq: 25 Oct 2018 14:36

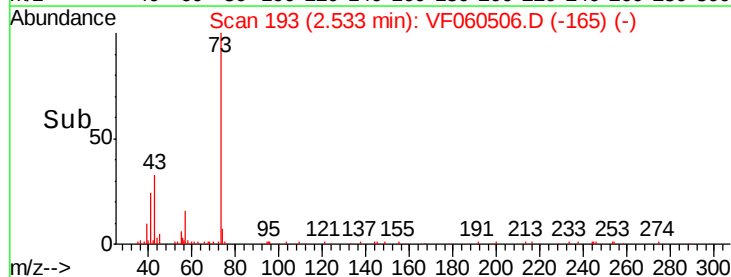
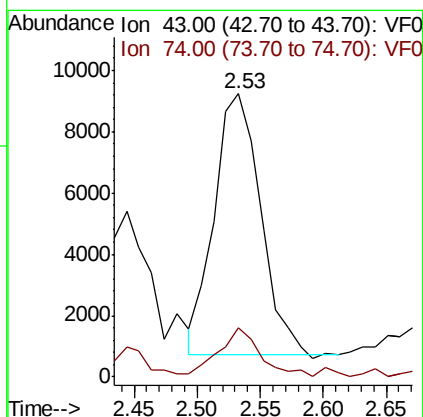
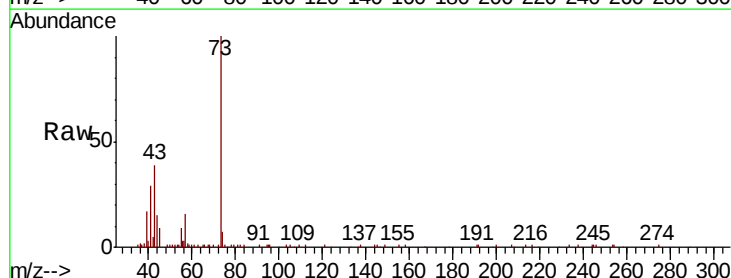
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

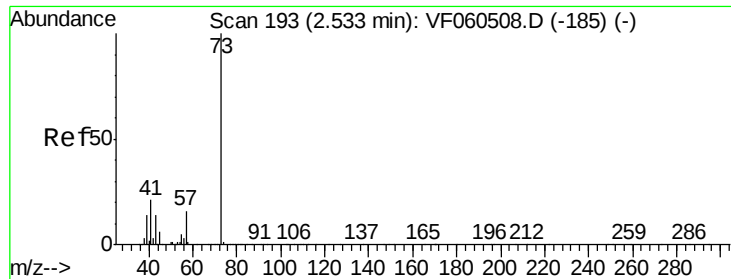
Tgt Ion: 76 Resp: 71141
Ion Ratio Lower Upper
76 100
78 9.6 9.2 13.8



#18
Methyl Acetate
Concen: 20.673 ug/l
RT: 2.53 min Scan# 193
Delta R.T. 0.08 min
Lab File: VF060506.D
Acq: 25 Oct 2018 14:36

Tgt Ion: 43 Resp: 21662
Ion Ratio Lower Upper
43 100
74 17.5 12.1 18.1

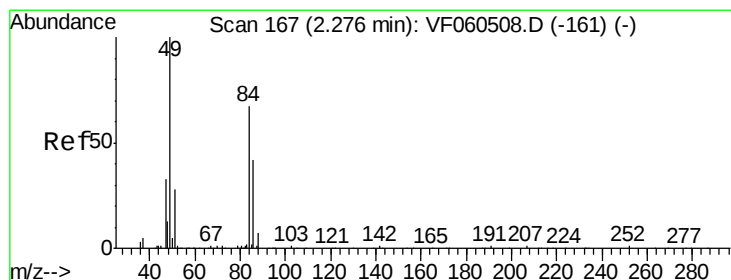
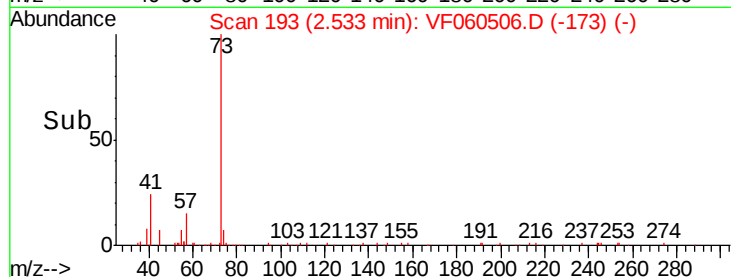
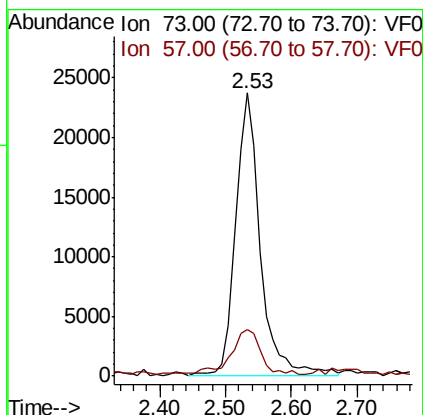
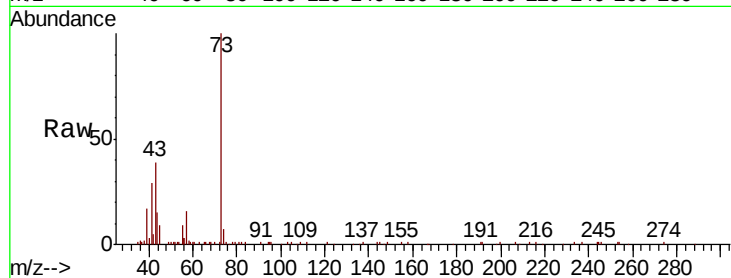




#19
Methyl tert-butyl Ether
Concen: 13.620 ug/l
RT: 2.53 min Scan# 193
Delta R.T. 0.00 min
Lab File: VF060506.D
Acq: 25 Oct 2018 14:36

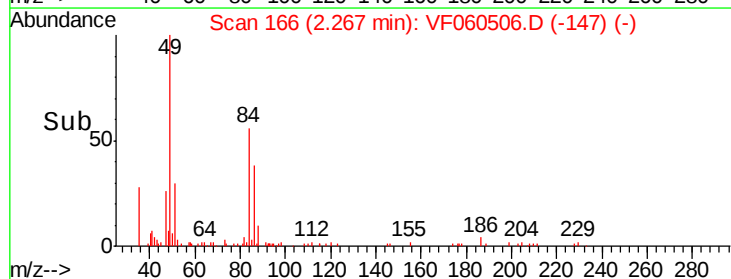
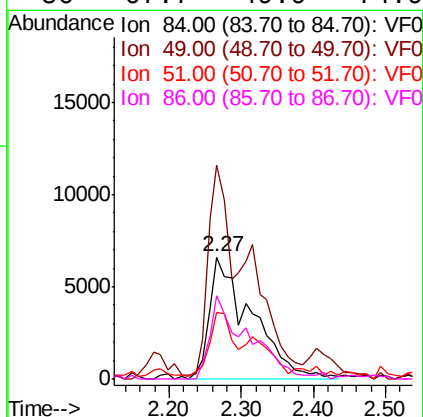
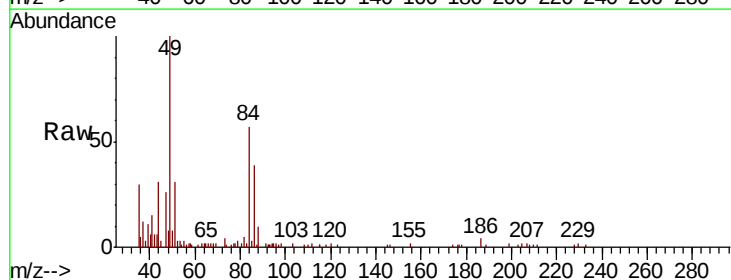
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

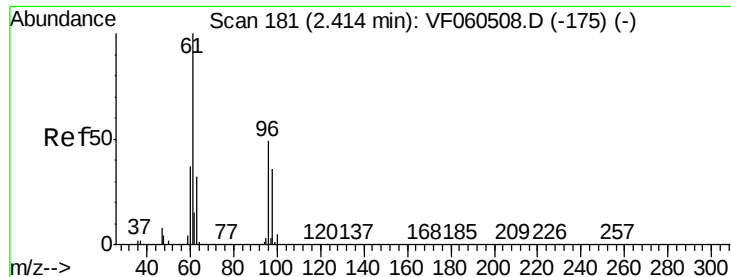
Tgt Ion: 73 Resp: 62995
Ion Ratio Lower Upper
73 100
57 16.3 13.3 19.9



#20
Methylene Chloride
Concen: 13.913 ug/l
RT: 2.27 min Scan# 166
Delta R.T. -0.01 min
Lab File: VF060506.D
Acq: 25 Oct 2018 14:36

Tgt Ion: 84 Resp: 26703
Ion Ratio Lower Upper
84 100
49 174.8 123.1 184.7
51 54.7 35.3 52.9#
86 67.7 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 13.164 ug/l

RT: 2.40 min Scan# 180

Delta R.T. -0.01 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

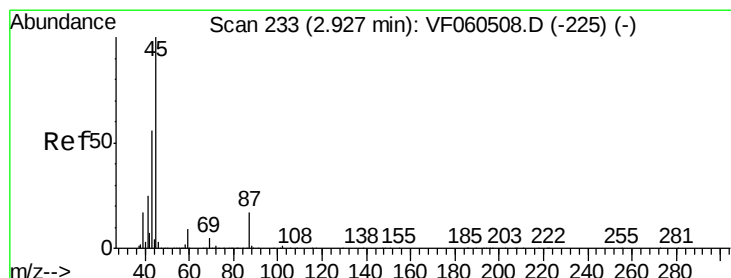
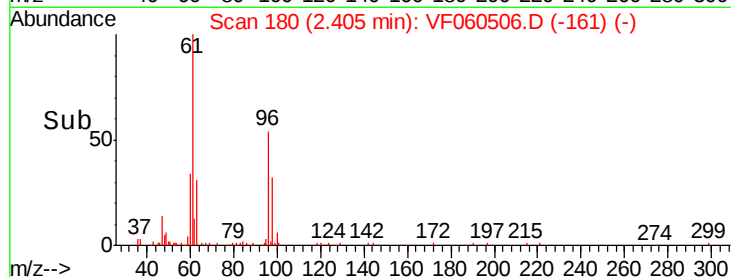
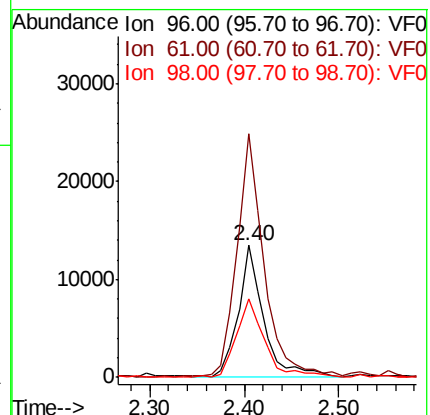
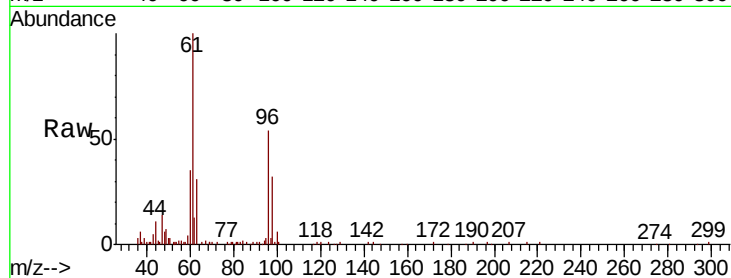
Tgt Ion: 96 Resp: 25245

Ion Ratio Lower Upper

96 100

61 184.9 162.5 243.7

98 60.1 58.5 87.7



#22

Diisopropyl ether

Concen: 11.202 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.01 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

Tgt Ion: 45 Resp: 69737

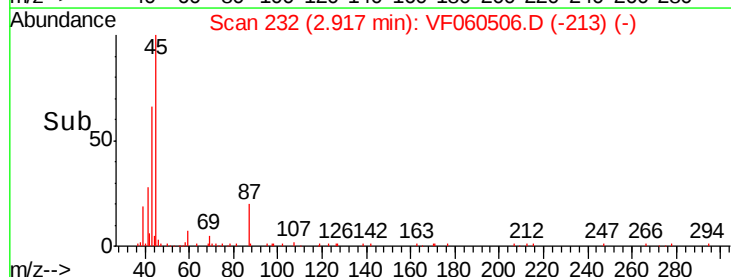
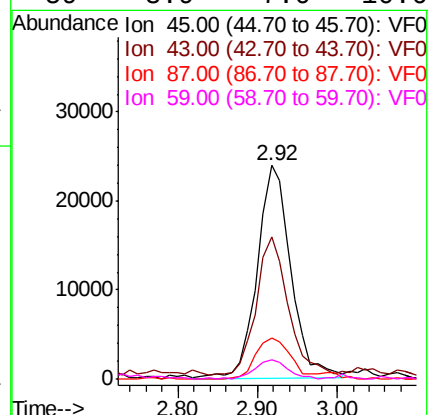
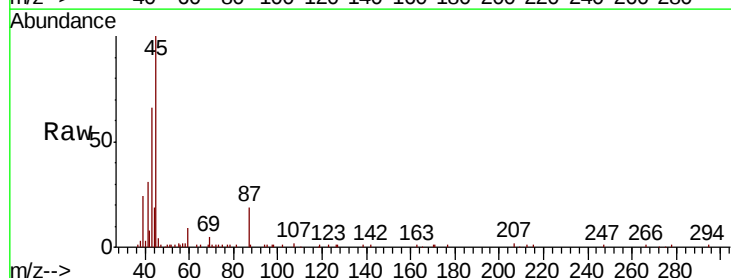
Ion Ratio Lower Upper

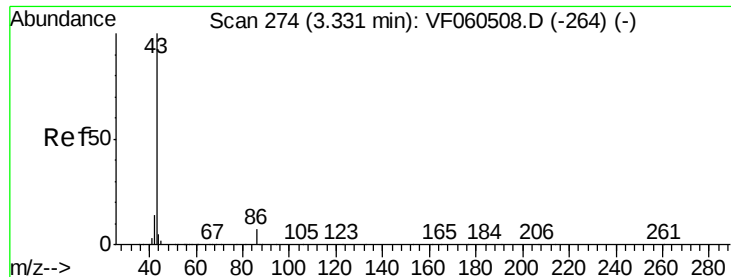
45 100

43 66.5 45.2 67.8

87 19.2 13.4 20.2

59 8.9 7.0 10.6

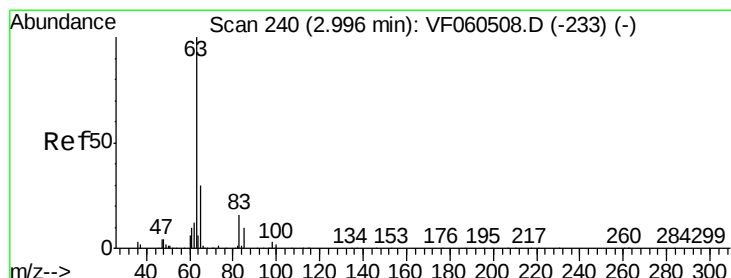
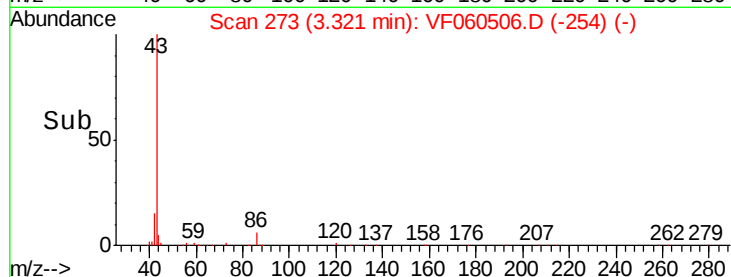
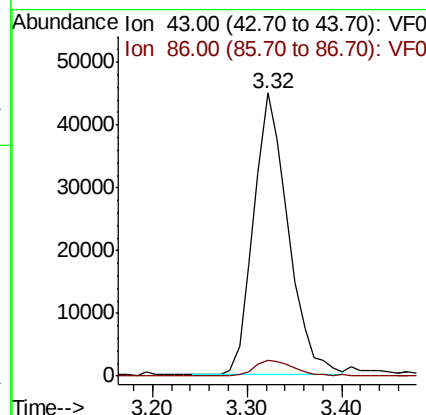
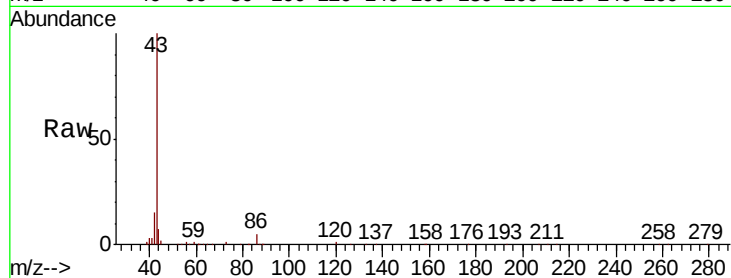




#23
 Vinyl Acetate
 Concen: 52.444 ug/l
 RT: 3.32 min Scan# 273
 Delta R.T. -0.01 min
 Lab File: VF060506.D
 Acq: 25 Oct 2018 14:36

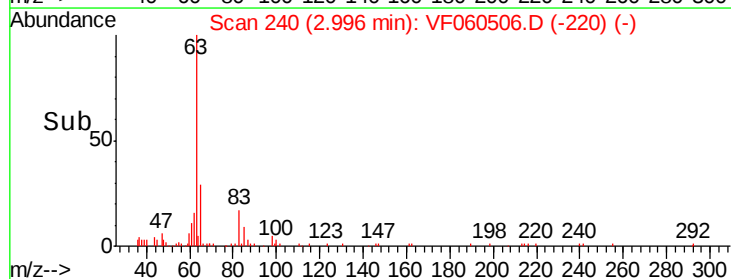
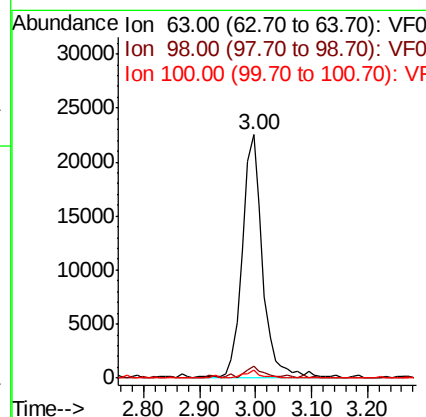
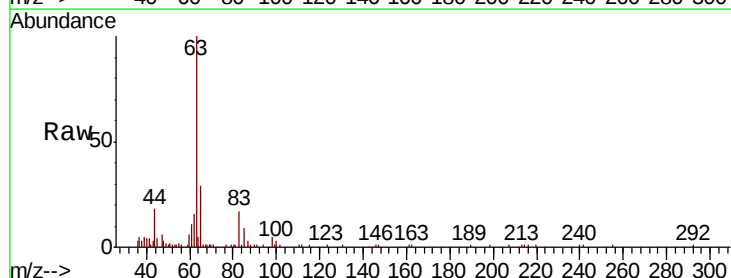
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

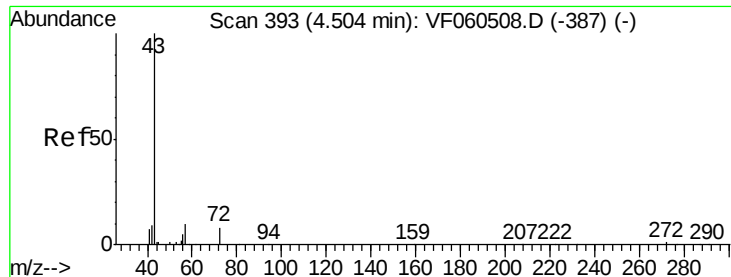
Tgt Ion: 43 Resp: 114295
 Ion Ratio Lower Upper
 43 100
 86 5.4 5.3 7.9



#24
 1,1-Dichloroethane
 Concen: 13.620 ug/l
 RT: 3.00 min Scan# 240
 Delta R.T. 0.00 min
 Lab File: VF060506.D
 Acq: 25 Oct 2018 14:36

Tgt Ion: 63 Resp: 56904
 Ion Ratio Lower Upper
 63 100
 98 4.7 1.7 5.0
 100 3.1 1.1 3.3





#25

2-Butanone

Concen: 55.865 ug/l

RT: 4.50 min Scan# 393

Delta R.T. 0.00 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

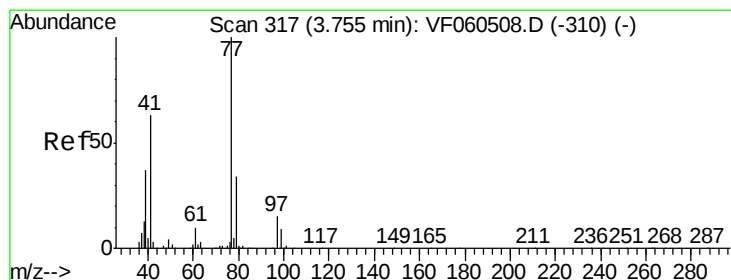
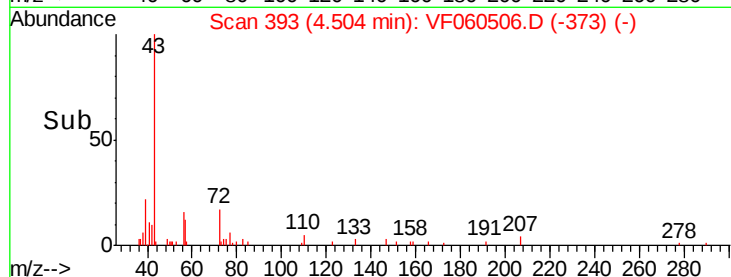
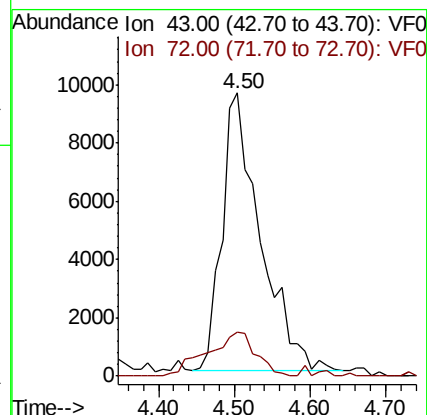
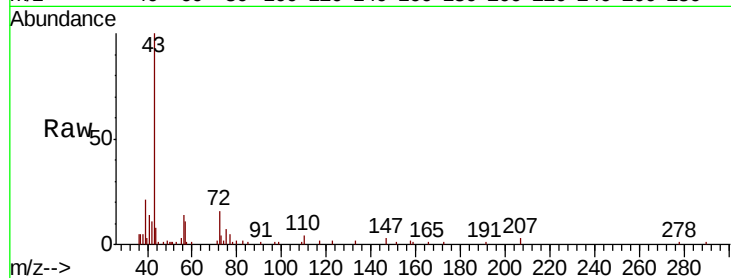
VSTDIC010

Tgt Ion: 43 Resp: 33621

Ion Ratio Lower Upper

43 100

72 15.7 13.0 19.6



#26

2,2-Dichloropropane

Concen: 17.523 ug/l

RT: 3.76 min Scan# 317

Delta R.T. 0.00 min

Lab File: VF060506.D

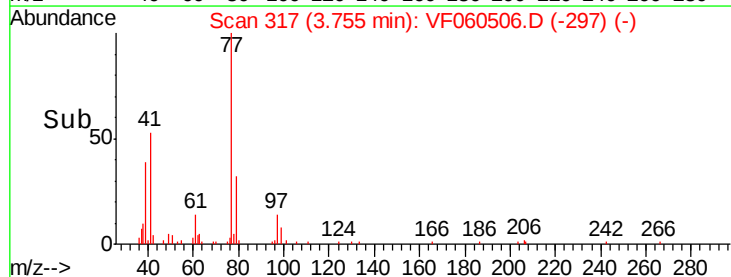
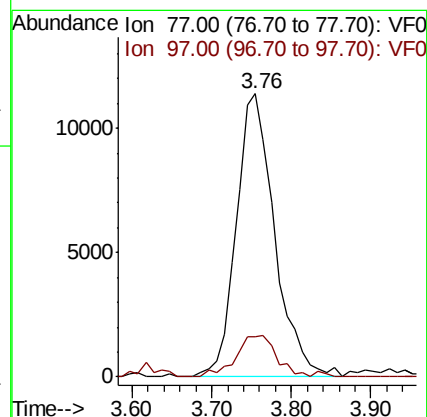
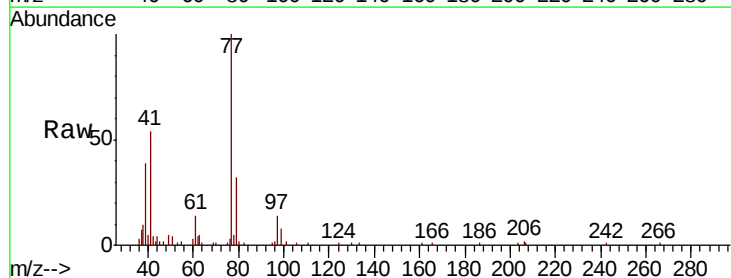
Acq: 25 Oct 2018 14:36

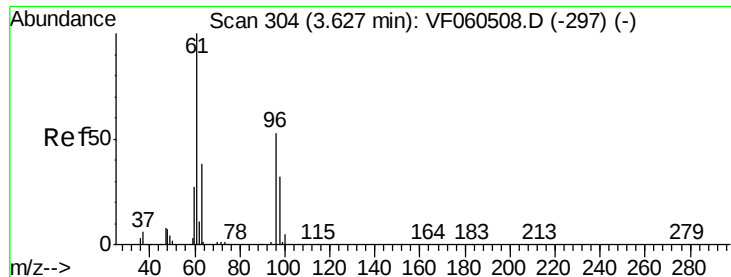
Tgt Ion: 77 Resp: 38171

Ion Ratio Lower Upper

77 100

97 14.2 7.9 23.7



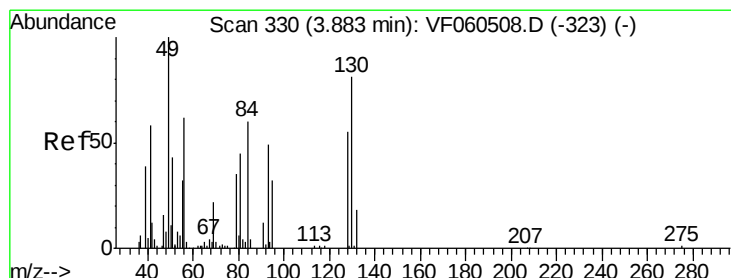
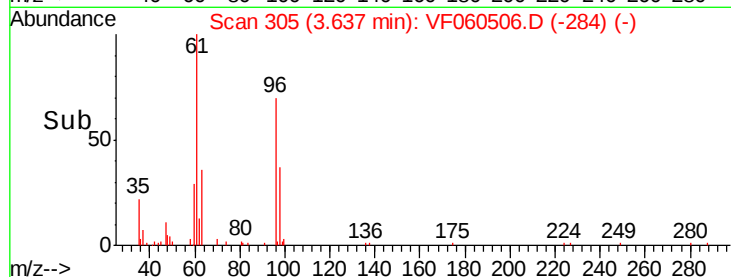
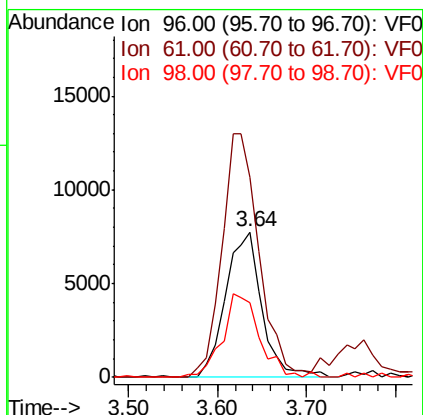
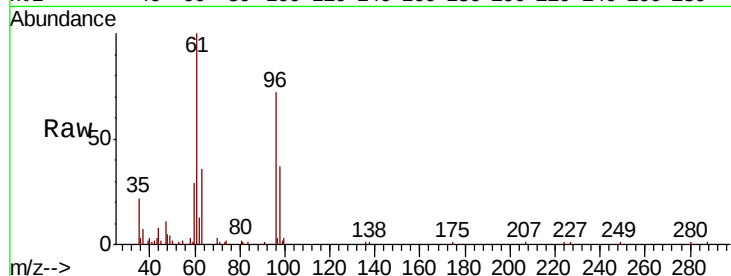


#27

cis-1,2-Dichloroethene
 Concen: 9.834 ug/l
 RT: 3.64 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VF060506.D
 Acq: 25 Oct 2018 14:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

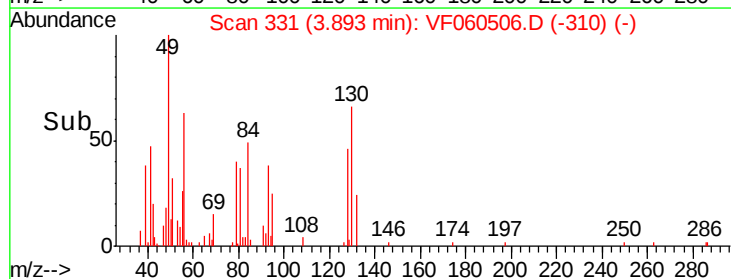
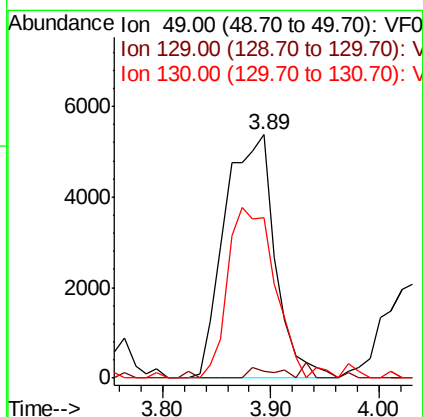
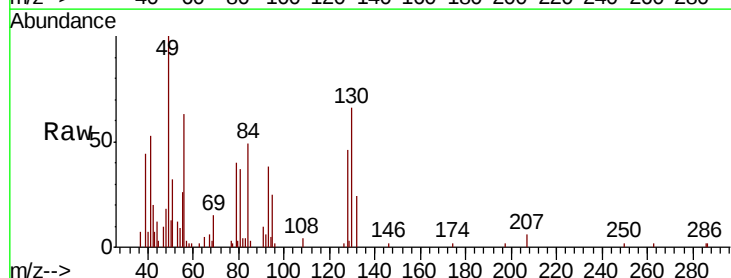
Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.0	0.0	377.0
98	51.4	0.0	122.4

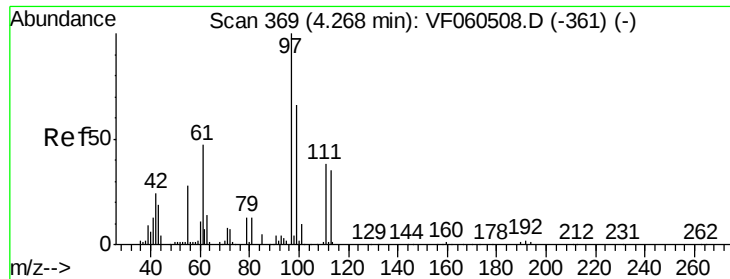


#28

Bromochloromethane
 Concen: 11.950 ug/l
 RT: 3.89 min Scan# 331
 Delta R.T. 0.01 min
 Lab File: VF060506.D
 Acq: 25 Oct 2018 14:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	2.0#
130	66.1	65.0	97.4





#29

Tetrahydrofuran

Concen: 49.780 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.02 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

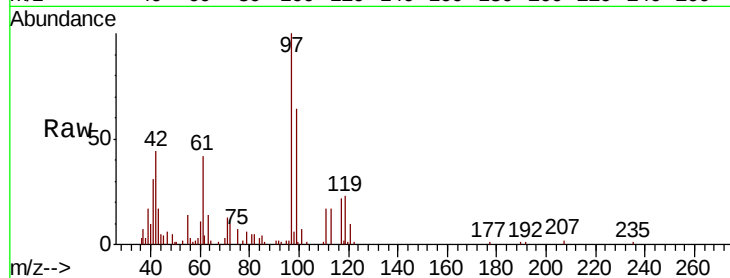
Tgt Ion: 42 Resp: 12629

Ion Ratio Lower Upper

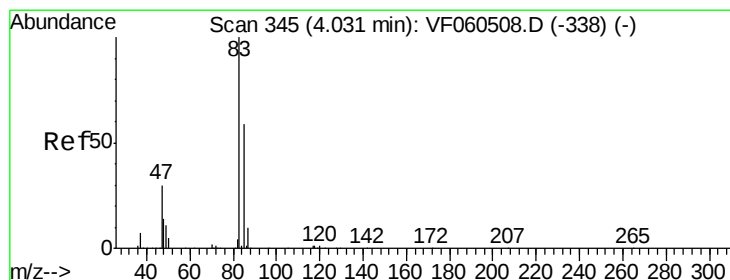
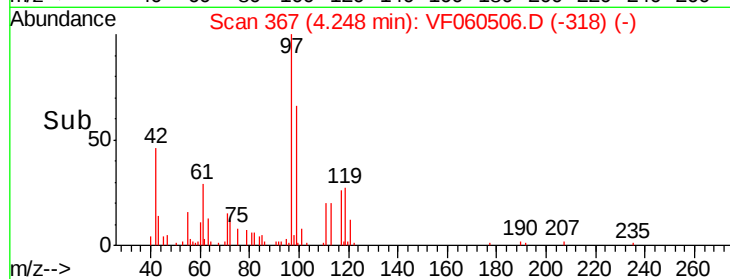
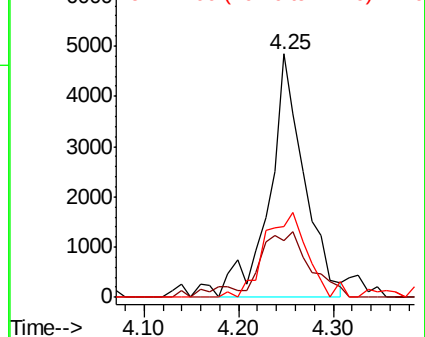
42 100

72 35.8 32.1 48.1

71 42.4 29.7 44.5



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 12.844 ug/l

RT: 4.03 min Scan# 345

Delta R.T. 0.00 min

Lab File: VF060506.D

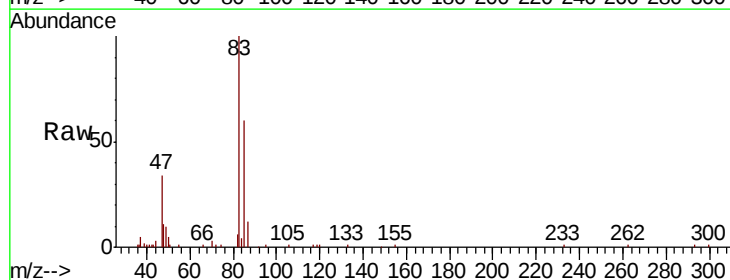
Acq: 25 Oct 2018 14:36

Tgt Ion: 83 Resp: 62100

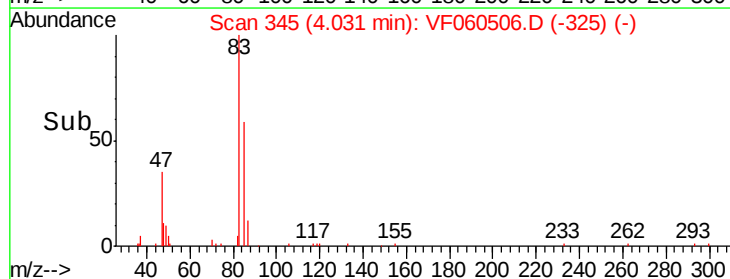
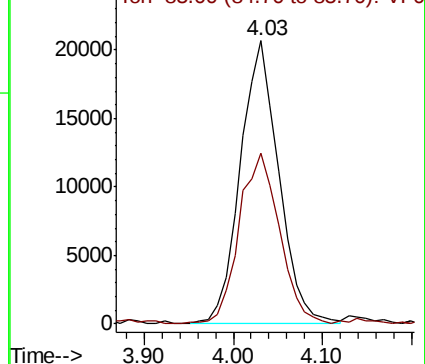
Ion Ratio Lower Upper

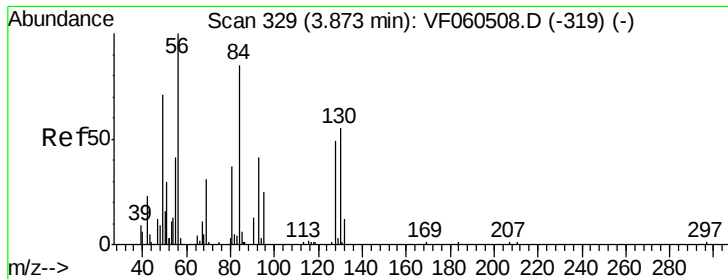
83 100

85 60.2 47.4 71.2



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

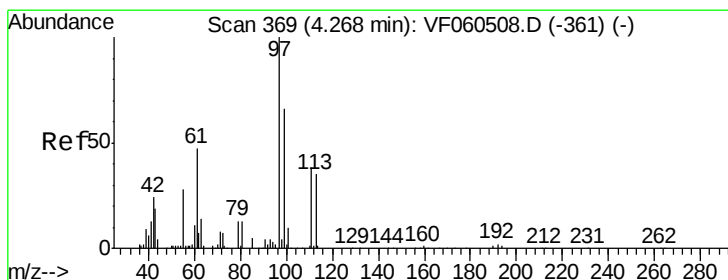
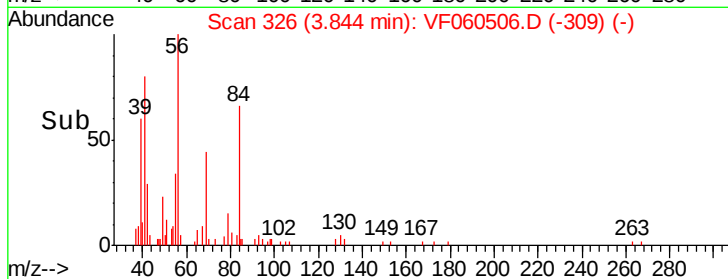
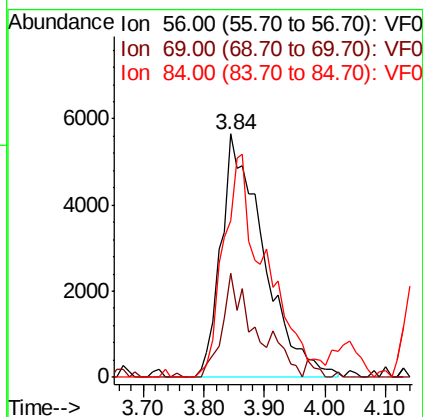
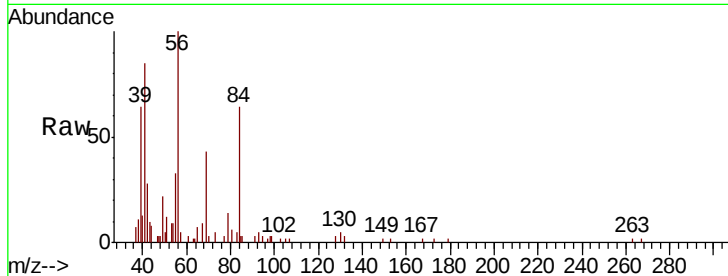




#31
Cyclohexane
Concen: 10.320 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.03 min
Lab File: VF060506.D
Acq: 25 Oct 2018 14:36

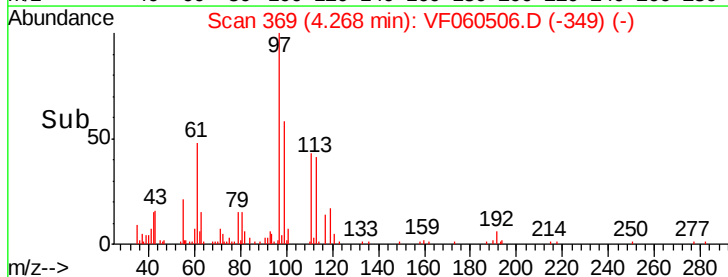
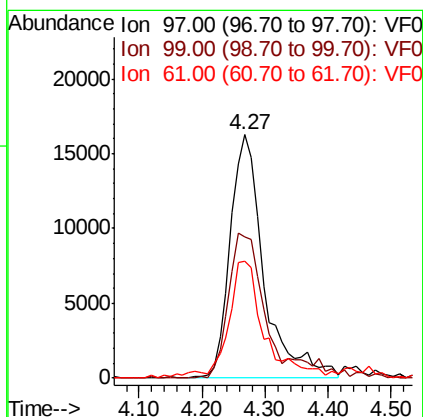
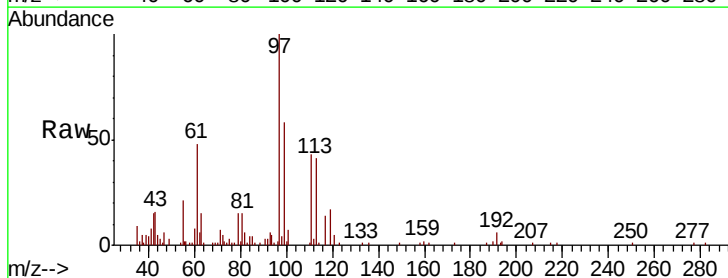
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

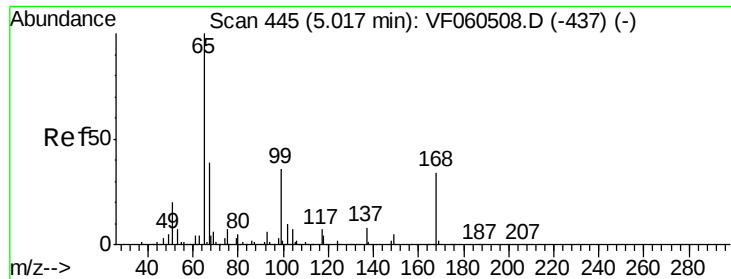
Tgt Ion: 56 Resp: 27584
Ion Ratio Lower Upper
56 100
69 42.8 24.6 37.0#
84 64.3 68.2 102.2#



#32
1,1,1-Trichloroethane
Concen: 15.838 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF060506.D
Acq: 25 Oct 2018 14:36

Tgt Ion: 97 Resp: 60325
Ion Ratio Lower Upper
97 100
99 58.1 53.0 79.6
61 48.1 37.9 56.9

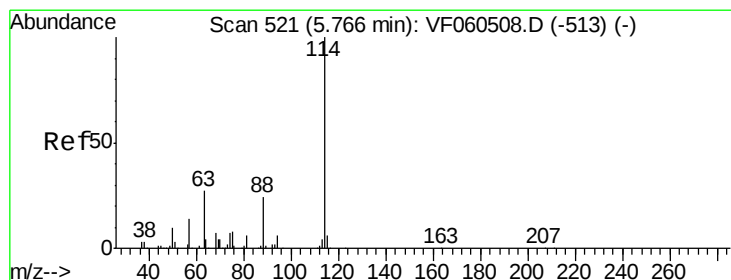
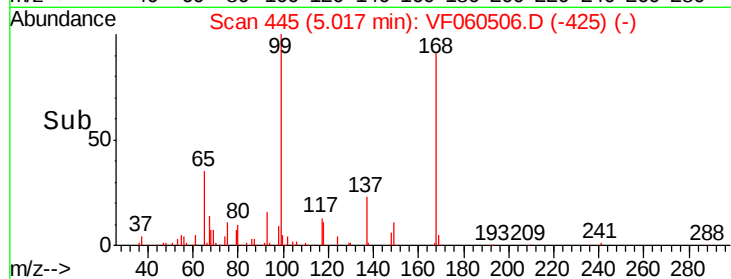
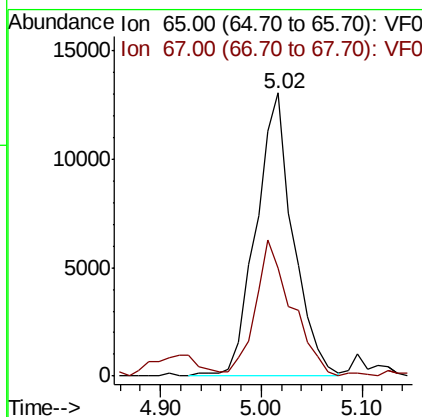
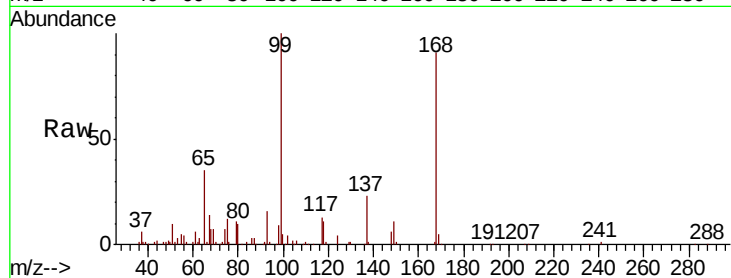




#33
 1,2-Dichloroethane-d4
 Concen: 13.207 ug/l
 RT: 5.02 min Scan# 445
 Delta R.T. 0.00 min
 Lab File: VF060506.D
 Acq: 25 Oct 2018 14:36

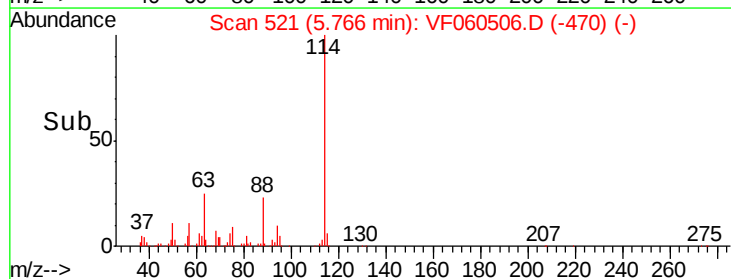
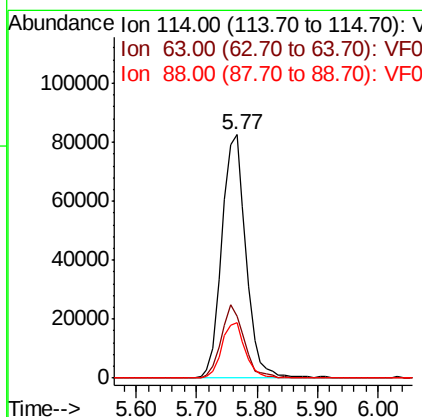
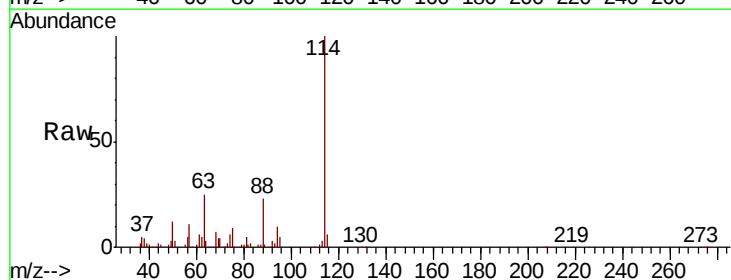
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

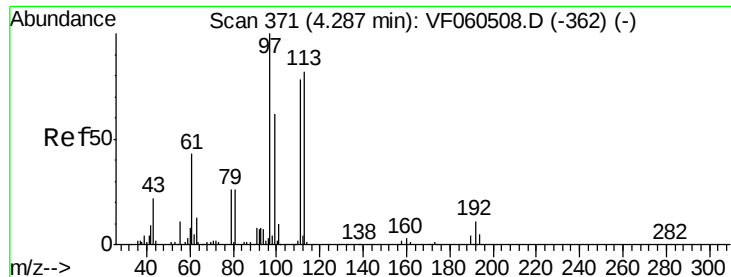
Tgt Ion: 65 Resp: 33323
 Ion Ratio Lower Upper
 65 100
 67 38.3 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VF060506.D
 Acq: 25 Oct 2018 14:36

Tgt Ion: 114 Resp: 229778
 Ion Ratio Lower Upper
 114 100
 63 25.3 0.0 54.4
 88 22.7 0.0 47.2





#35

Dibromofluoromethane

Concen: 13.825 ug/l

RT: 4.29 min Scan# 371

Delta R.T. 0.00 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

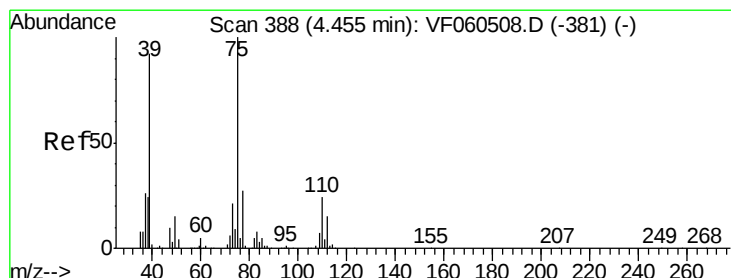
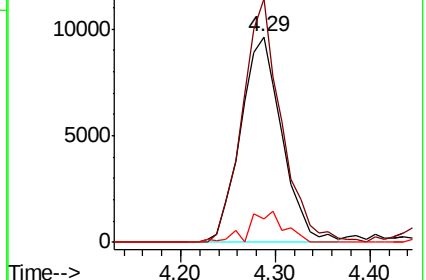
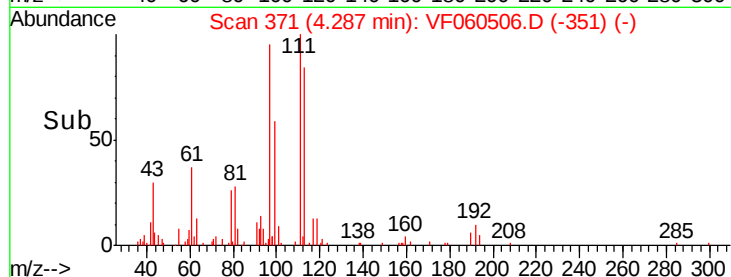
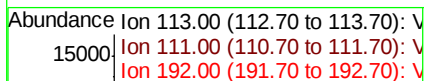
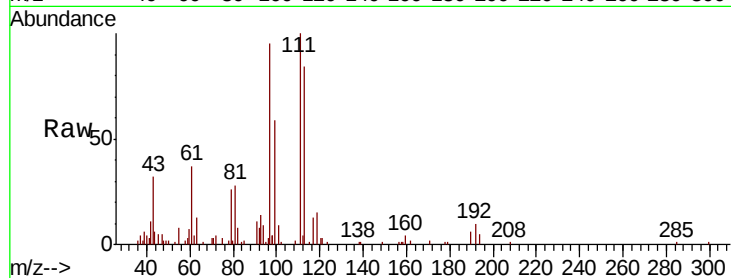
Tgt Ion: 113 Resp: 29240

Ion Ratio Lower Upper

113 100

111 118.4 75.9 113.9#

192 11.4 10.6 15.8



#36

1,1-Dichloropropene

Concen: 13.833 ug/l

RT: 4.45 min Scan# 388

Delta R.T. 0.00 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

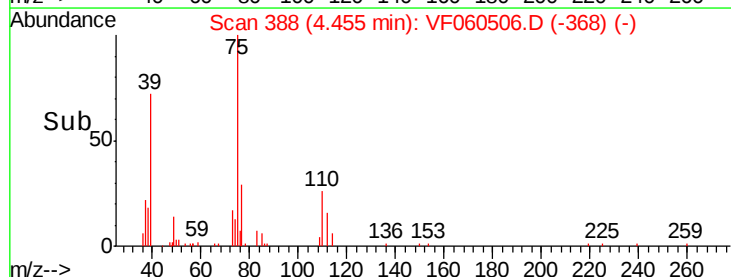
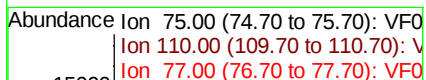
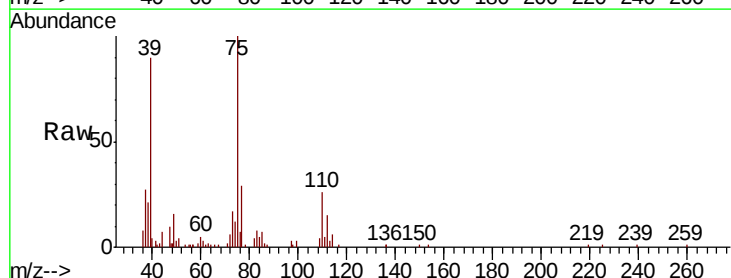
Tgt Ion: 75 Resp: 36971

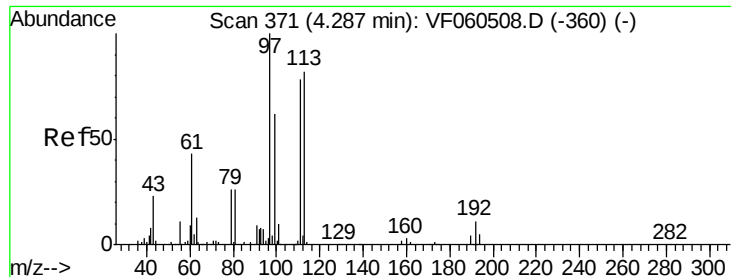
Ion Ratio Lower Upper

75 100

110 25.6 12.1 36.3

77 28.7 21.8 32.6





#37

Ethyl Acetate

Concen: 14.283 ug/l

RT: 4.29 min Scan# 371

Delta R.T. 0.00 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

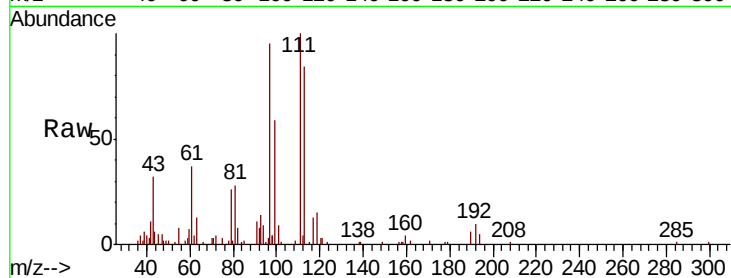
Tgt Ion: 43 Resp: 13484

Ion Ratio Lower Upper

43 100

61 115.3 148.5 222.7#

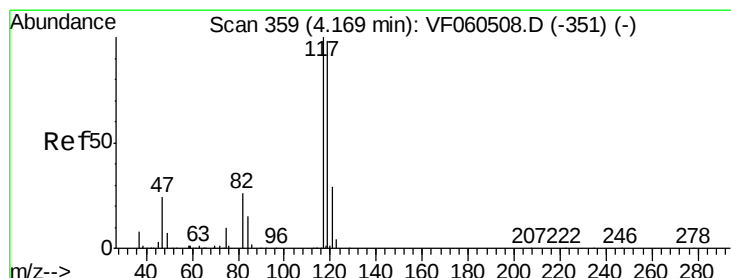
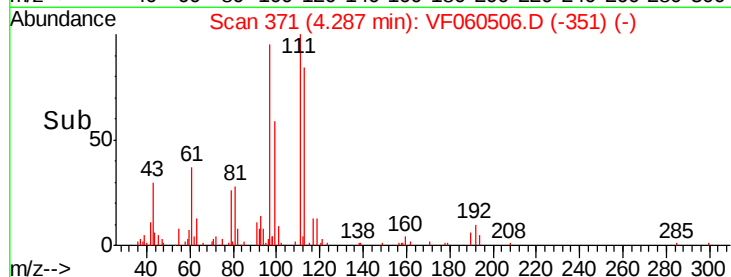
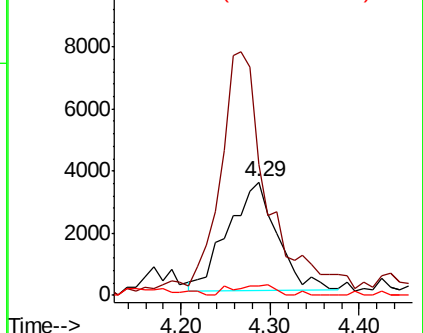
70 8.8 4.7 7.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 20.931 ug/l

RT: 4.16 min Scan# 358

Delta R.T. -0.01 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

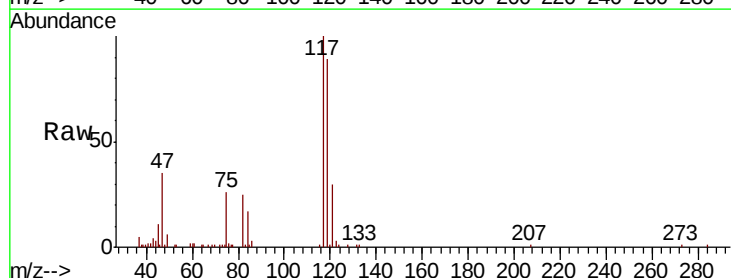
Tgt Ion: 117 Resp: 56196

Ion Ratio Lower Upper

117 100

119 89.9 78.3 117.5

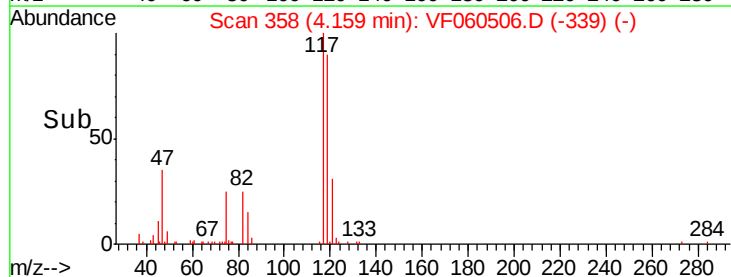
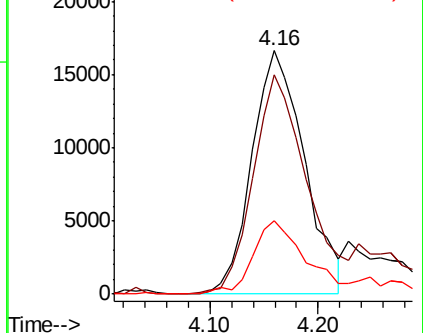
121 30.3 23.3 34.9

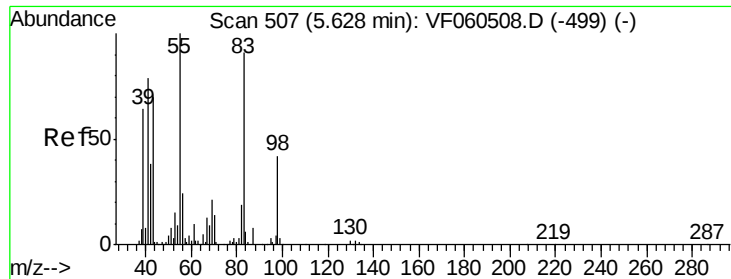


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

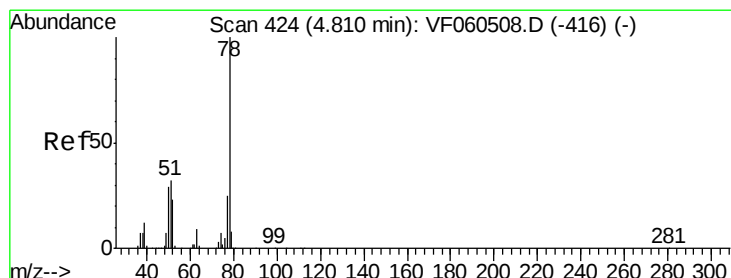
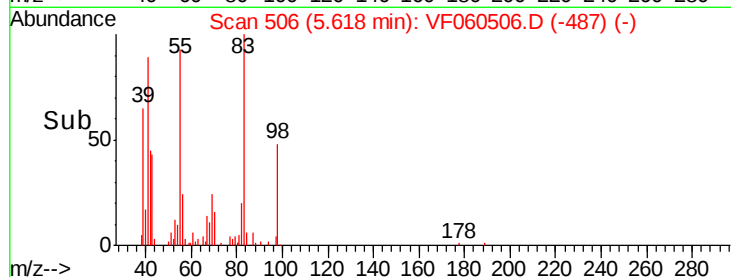
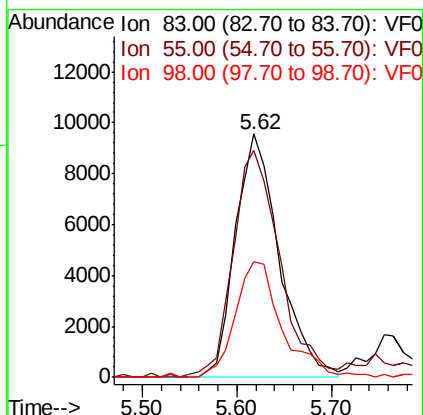
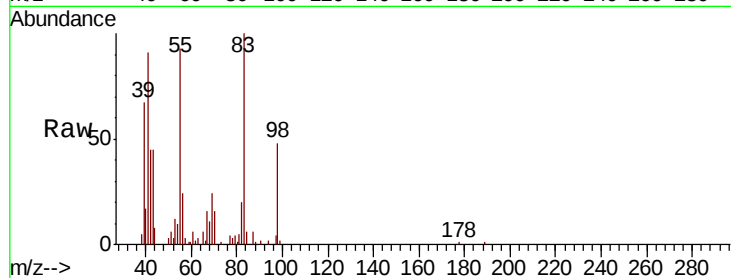




#39
Methylcyclohexane
Concen: 12.193 ug/l
RT: 5.62 min Scan# 506
Delta R.T. -0.01 min
Lab File: VF060506.D
Acq: 25 Oct 2018 14:36

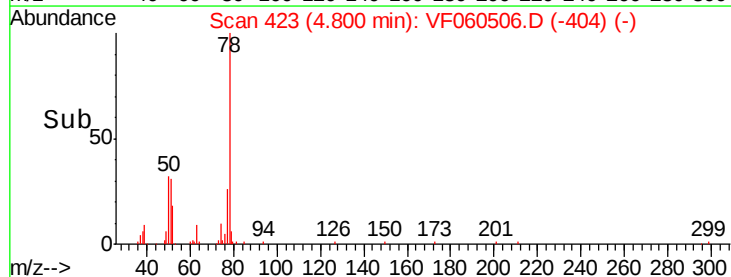
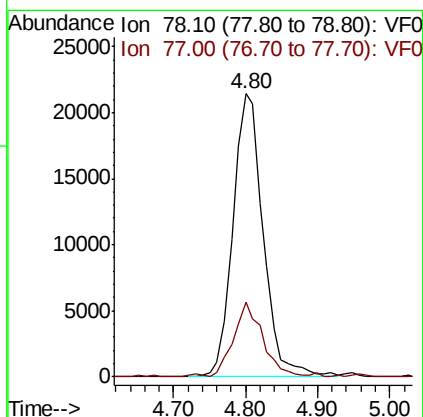
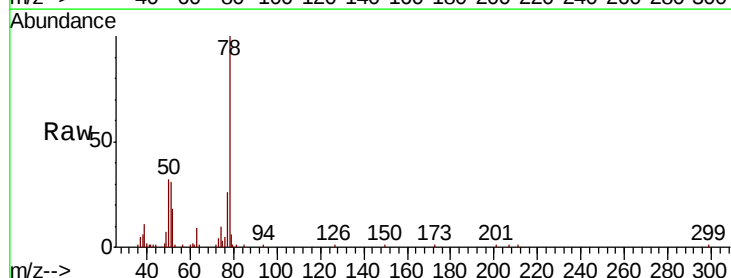
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

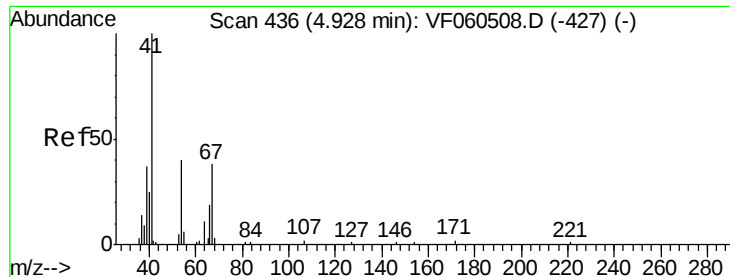
Tgt Ion: 83 Resp: 30684
Ion Ratio Lower Upper
83 100
55 93.1 87.9 131.9
98 47.7 37.0 55.6



#40
Benzene
Concen: 11.432 ug/l
RT: 4.80 min Scan# 423
Delta R.T. -0.01 min
Lab File: VF060506.D
Acq: 25 Oct 2018 14:36

Tgt Ion: 78 Resp: 62734
Ion Ratio Lower Upper
78 100
77 26.4 20.2 30.4





#41

Methacrylonitrile

Concen: 10.710 ug/l

RT: 4.92 min Scan# 435

Delta R.T. -0.01 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tgt Ion: 41 Resp: 5745

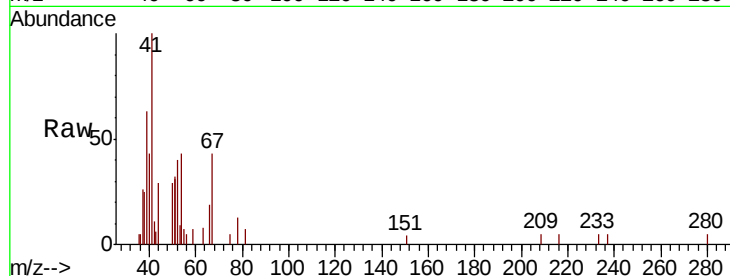
Ion Ratio Lower Upper

41 100

39 63.1 55.2 82.8

67 42.9 29.8 44.8

52 40.2 37.0 55.6

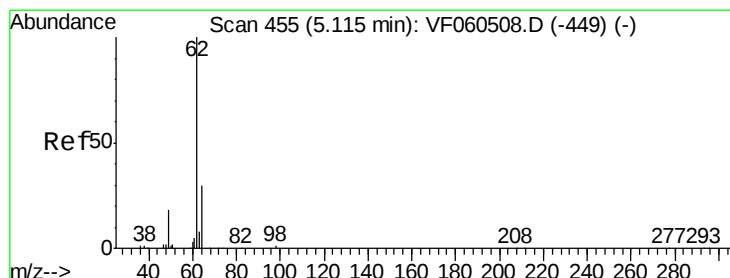
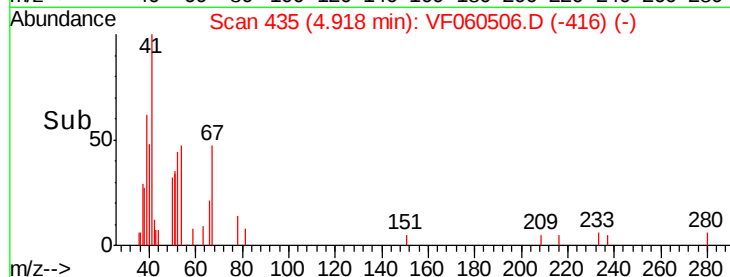
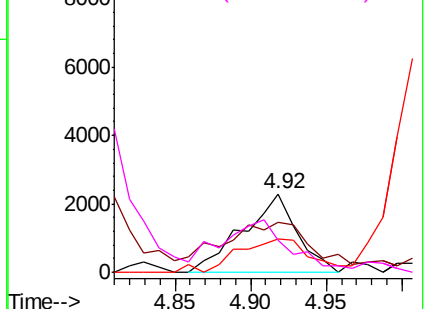


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 15.740 ug/l

RT: 5.12 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF060506.D

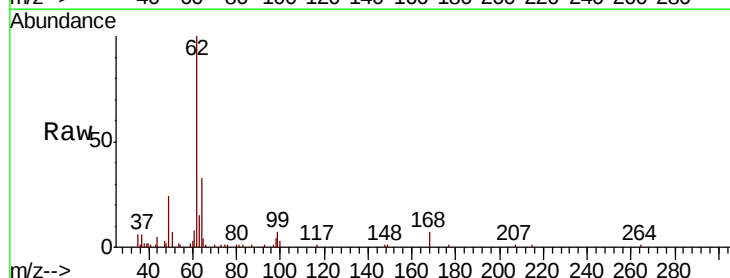
Acq: 25 Oct 2018 14:36

Tgt Ion: 62 Resp: 39185

Ion Ratio Lower Upper

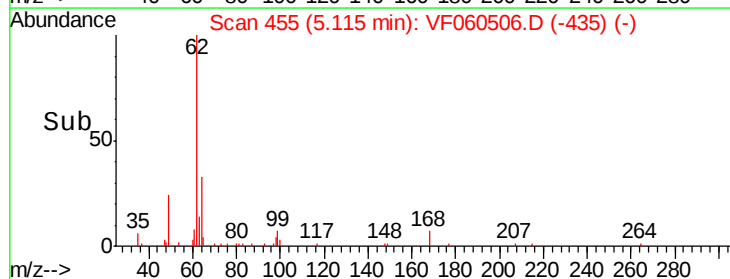
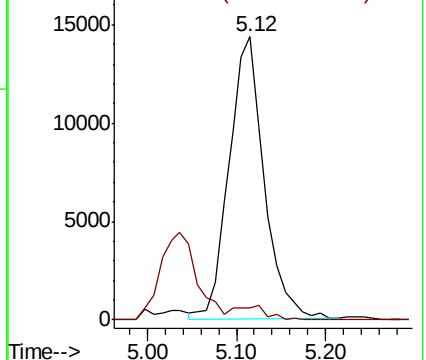
62 100

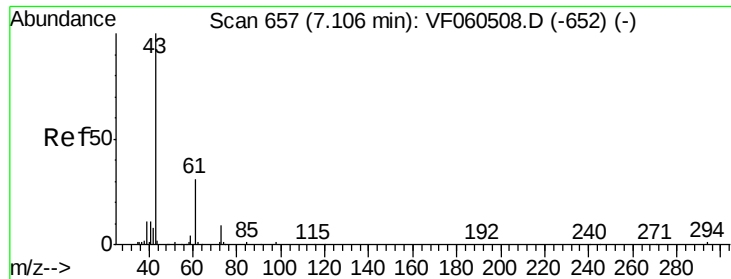
98 4.5 0.0 9.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 11.451 ug/l

RT: 7.11 min Scan# 657

Delta R.T. 0.00 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

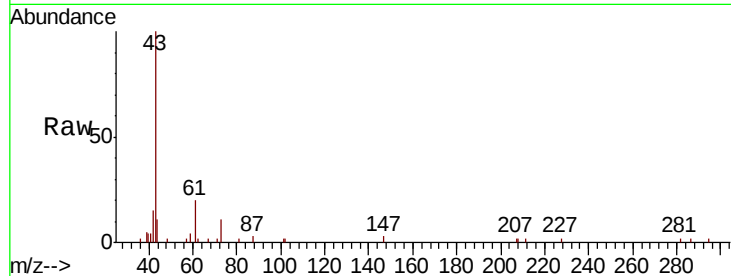
Tgt Ion: 43 Resp: 13474

Ion Ratio Lower Upper

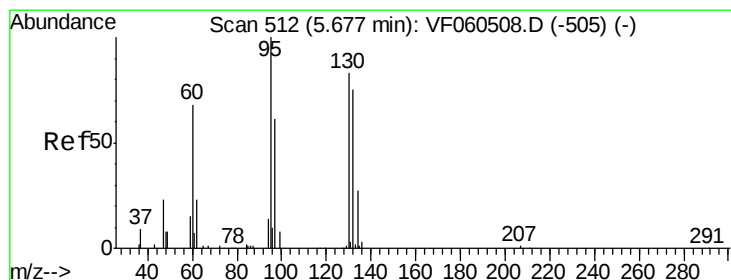
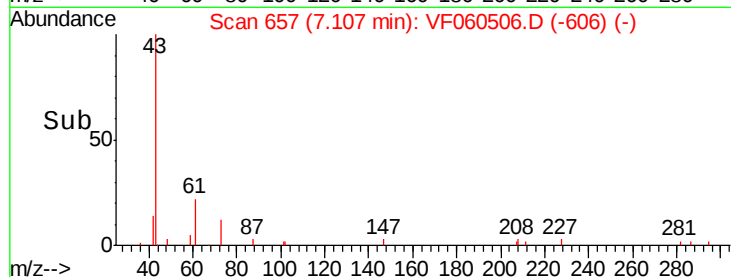
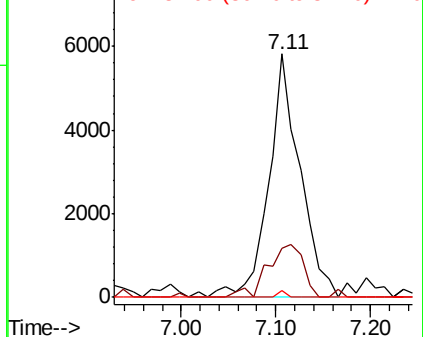
43 100

61 20.2 24.4 36.6#

87 2.9 0.0 0.0#



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



#44

Trichloroethene

Concen: 12.476 ug/l

RT: 5.67 min Scan# 511

Delta R.T. -0.01 min

Lab File: VF060506.D

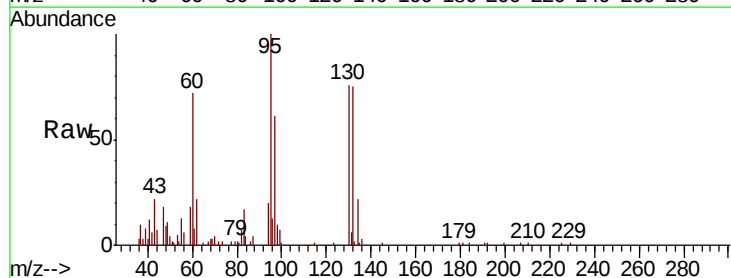
Acq: 25 Oct 2018 14:36

Tgt Ion: 130 Resp: 21328

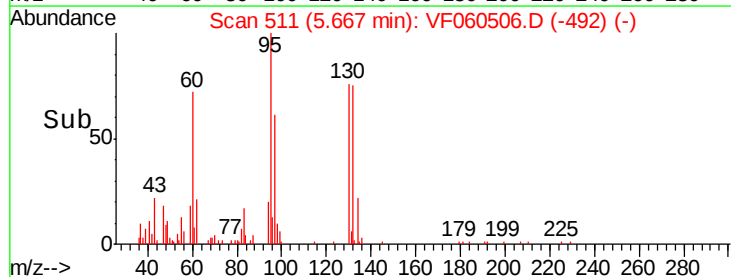
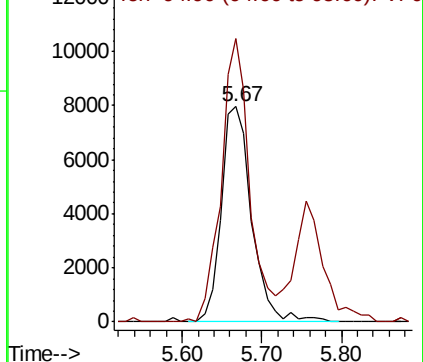
Ion Ratio Lower Upper

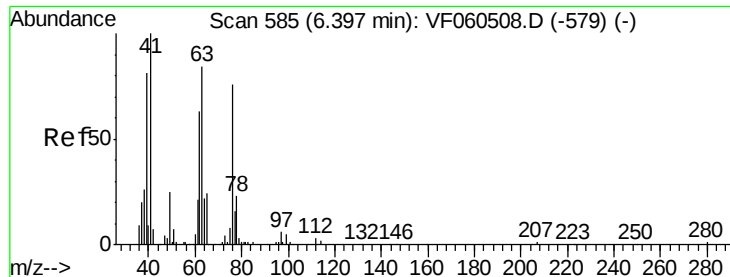
130 100

95 131.6 0.0 242.8



Abundance Ion 129.90 (129.60 to 130.60): V
Ion 94.90 (94.60 to 95.60): VF0

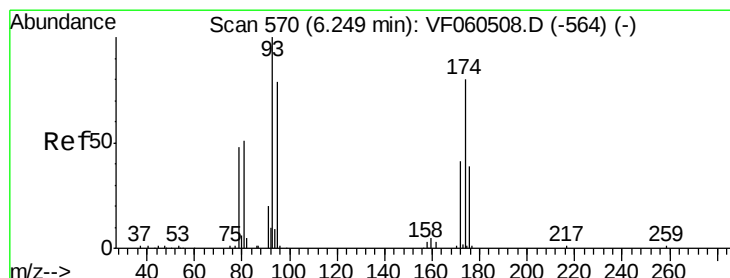
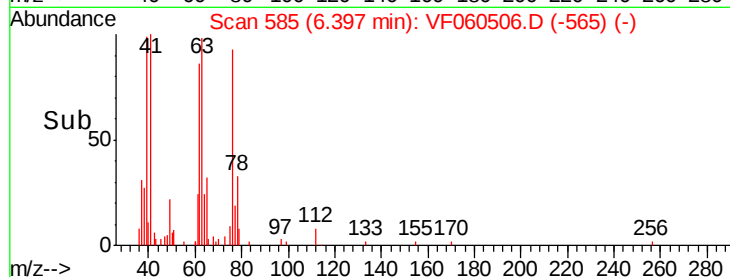
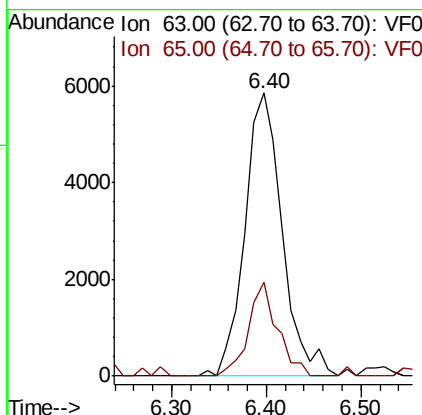
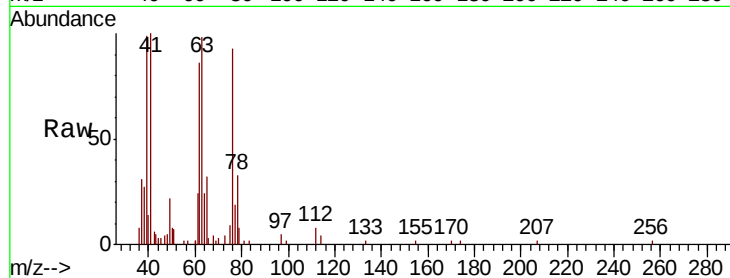




#45
 1,2-Dichloropropane
 Concen: 11.933 ug/l
 RT: 6.40 min Scan# 585
 Delta R.T. 0.00 min
 Lab File: VF060506.D
 Acq: 25 Oct 2018 14:36

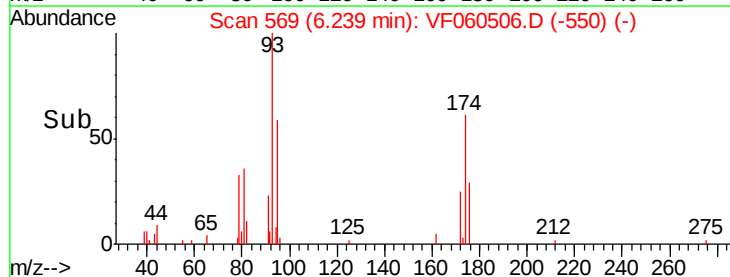
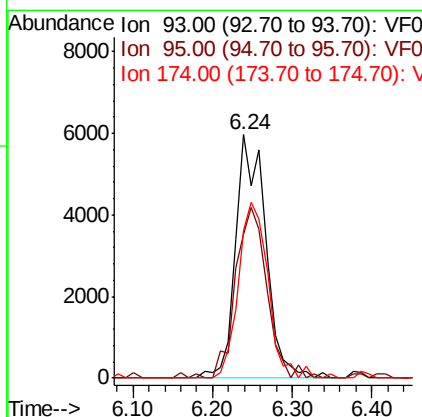
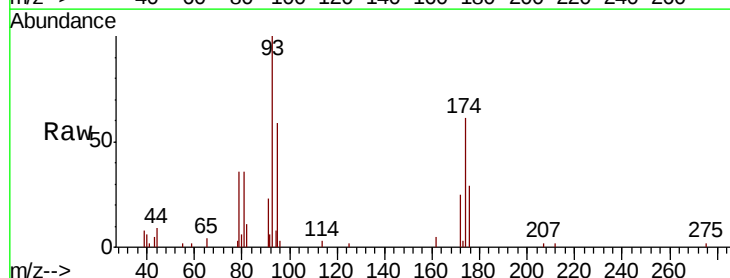
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

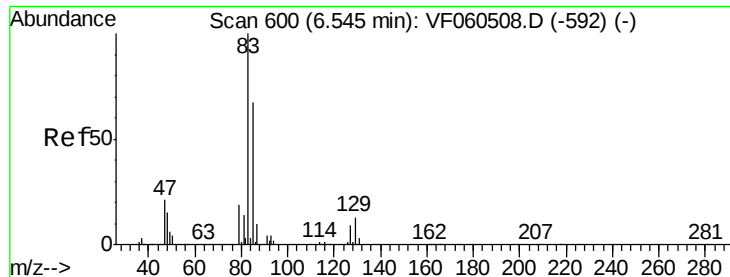
Tgt Ion: 63 Resp: 16030
 Ion Ratio Lower Upper
 63 100
 65 33.2 22.7 34.1



#46
 Dibromomethane
 Concen: 14.380 ug/l
 RT: 6.24 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VF060506.D
 Acq: 25 Oct 2018 14:36

Tgt Ion: 93 Resp: 15495
 Ion Ratio Lower Upper
 93 100
 95 59.1 63.8 95.8#
 174 60.7 64.9 97.3#





#47

Bromodichloromethane

Concen: 14.711 ug/l

RT: 6.54 min Scan# 600

Delta R.T. 0.00 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

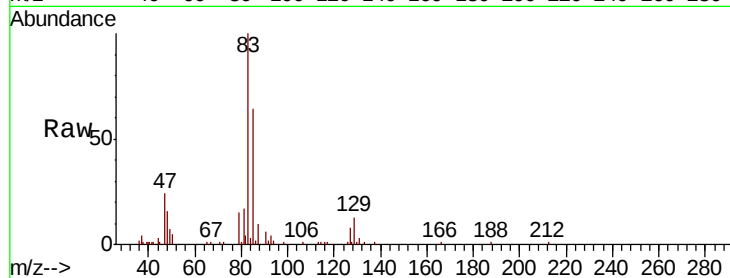
Tgt Ion: 83 Resp: 40036

Ion Ratio Lower Upper

83 100

85 64.1 53.4 80.0

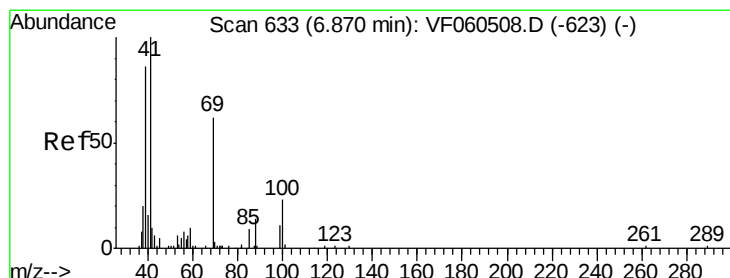
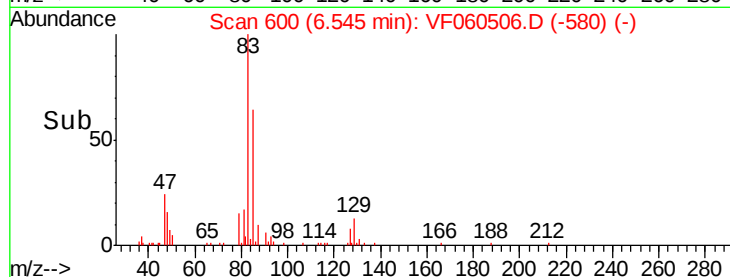
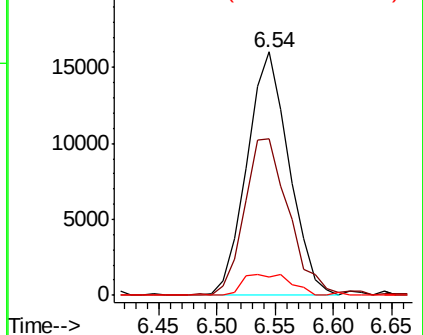
127 9.2 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 12.181 ug/l

RT: 6.87 min Scan# 633

Delta R.T. 0.00 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

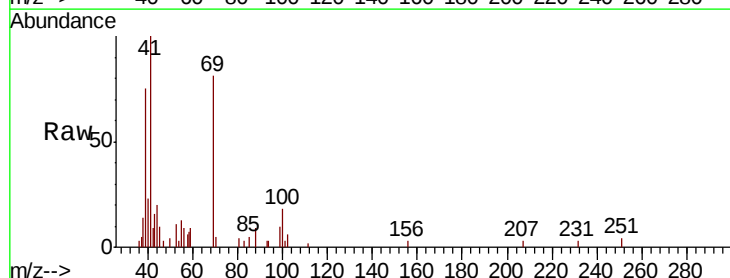
Tgt Ion: 41 Resp: 9709

Ion Ratio Lower Upper

41 100

69 81.2 49.6 74.4#

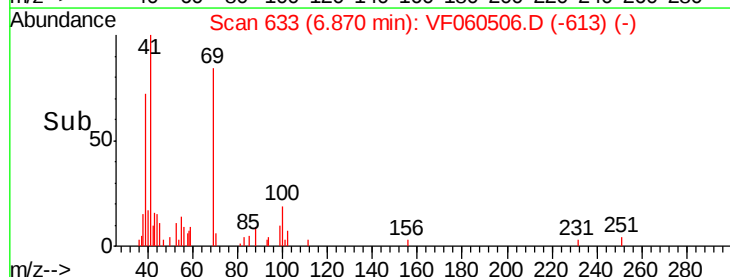
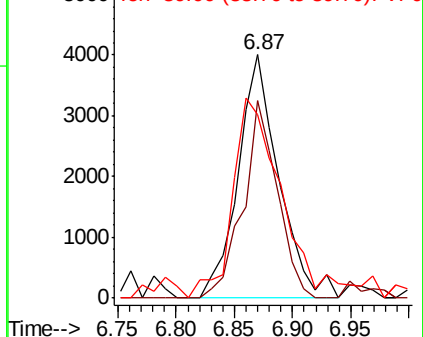
39 75.2 69.4 104.2

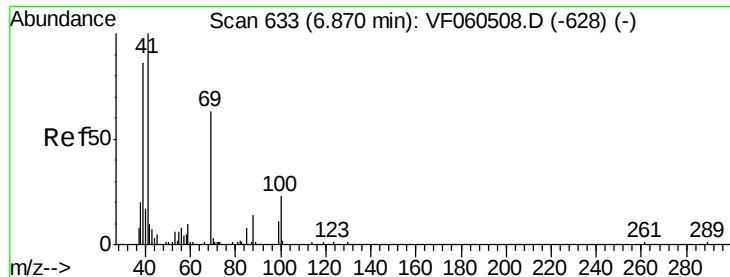


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

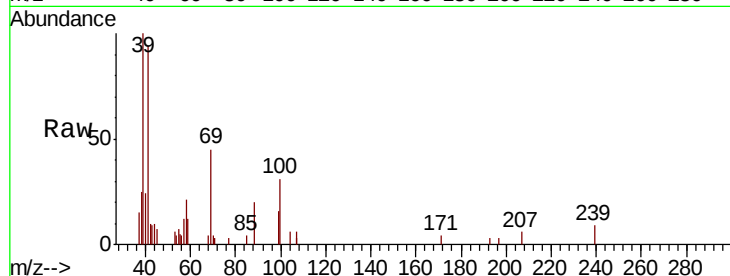




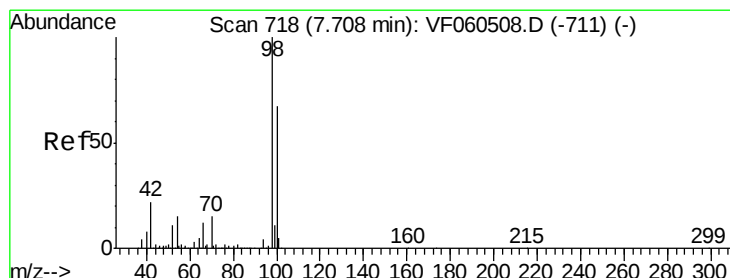
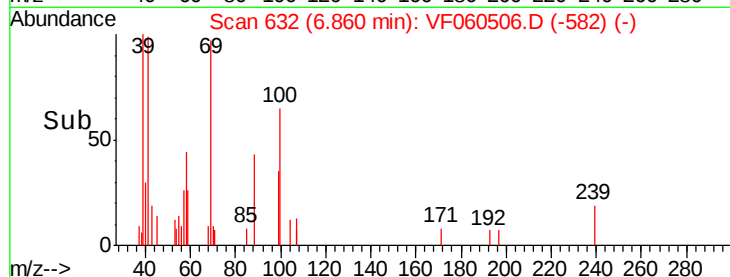
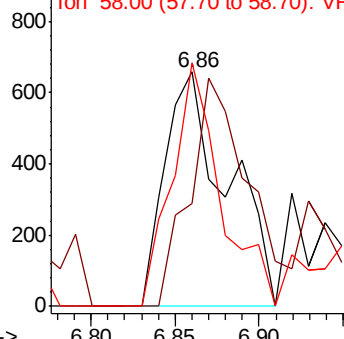
#49
1,4-Dioxane
Concen: 247.363 ug/l
RT: 6.86 min Scan# 632
Delta R.T. -0.01 min
Lab File: VF060506.D
Acq: 25 Oct 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion: 88 Resp: 1695
Ion Ratio Lower Upper
88 100
43 44.0 39.3 58.9
58 103.8 35.0 52.6#

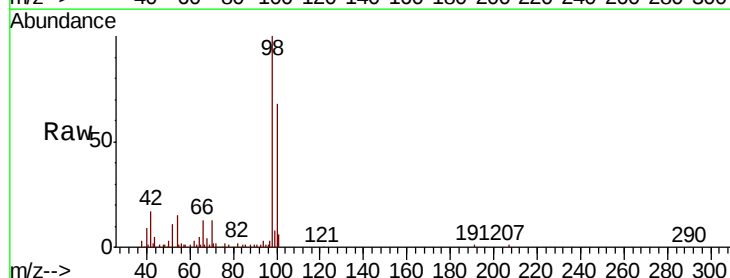


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

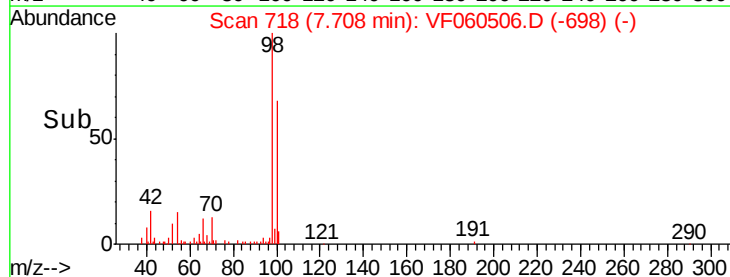
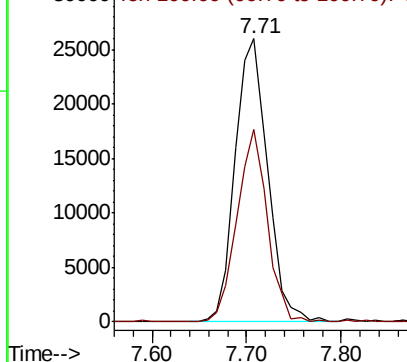


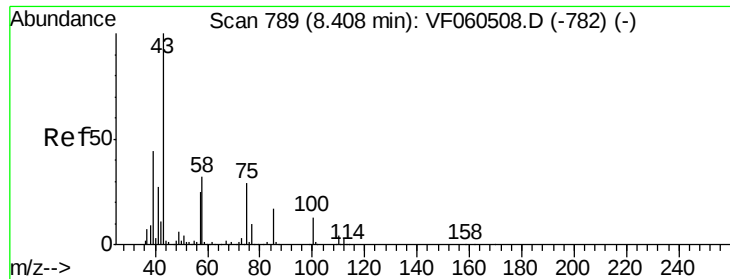
#50
Toluene-d8
Concen: 12.149 ug/l
RT: 7.71 min Scan# 718
Delta R.T. 0.00 min
Lab File: VF060506.D
Acq: 25 Oct 2018 14:36

Tgt Ion: 98 Resp: 61763
Ion Ratio Lower Upper
98 100
100 68.2 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 64.160 ug/l

RT: 8.41 min Scan# 789

Delta R.T. 0.00 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

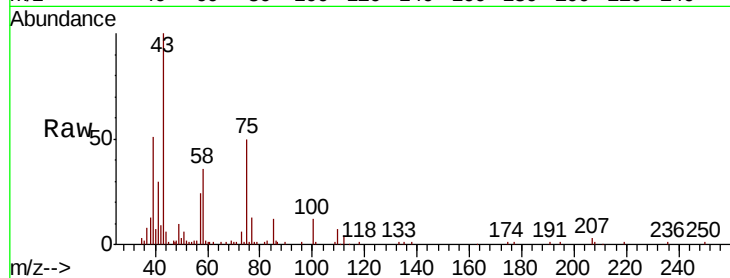
VSTDIC010

Tgt Ion: 43 Resp: 52663

Ion Ratio Lower Upper

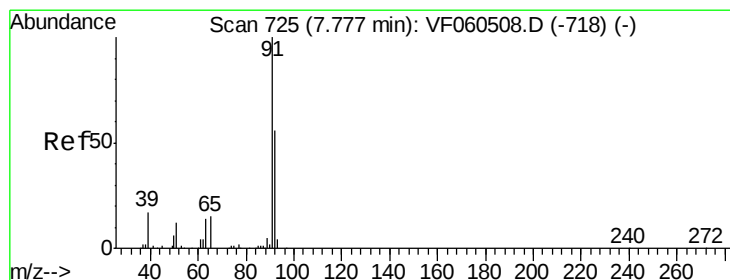
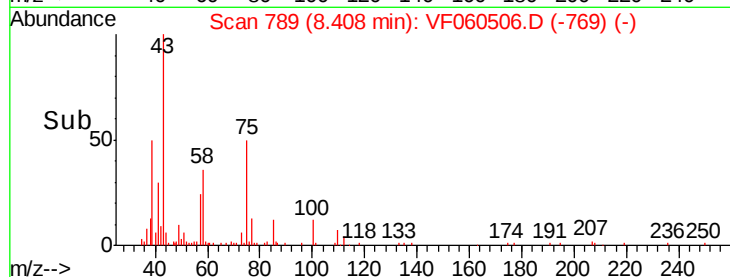
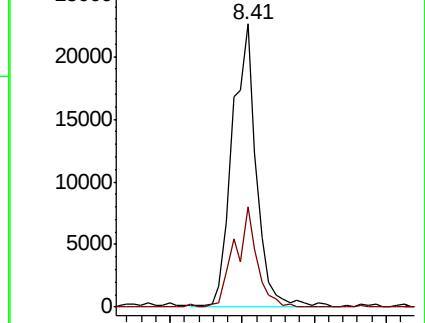
43 100

58 35.6 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 12.068 ug/l

RT: 7.78 min Scan# 725

Delta R.T. 0.00 min

Lab File: VF060506.D

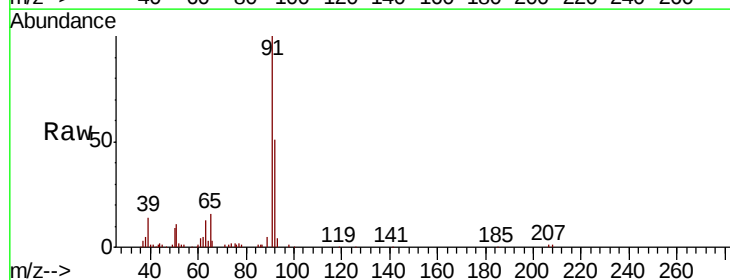
Acq: 25 Oct 2018 14:36

Tgt Ion: 92 Resp: 41708

Ion Ratio Lower Upper

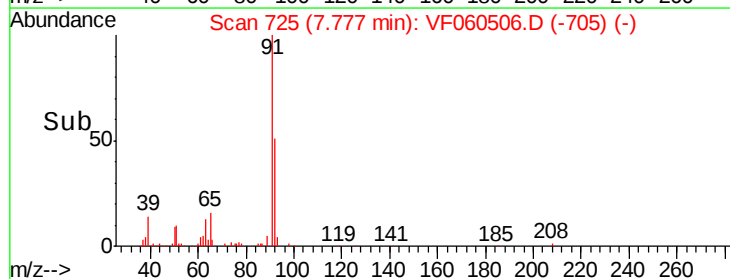
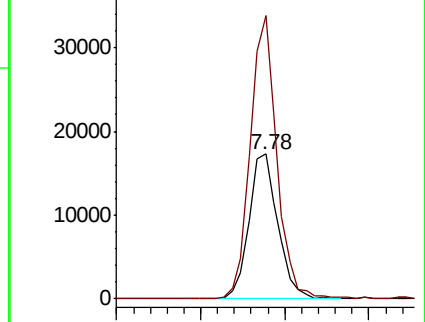
92 100

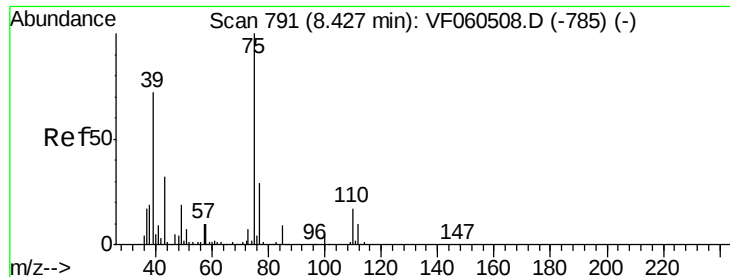
91 195.5 143.8 215.8



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: 15.001 ug/l

RT: 8.43 min Scan# 791

Delta R.T. 0.00 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

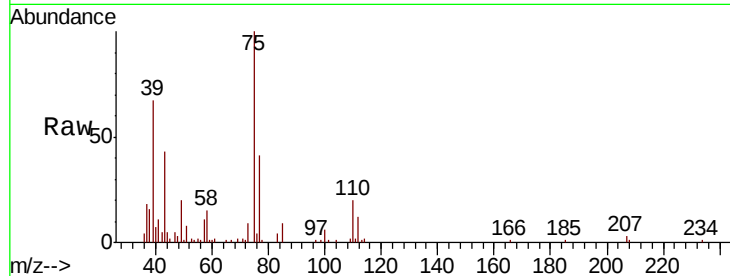
VSTDIC010

Tgt Ion: 75 Resp: 31707

Ion Ratio Lower Upper

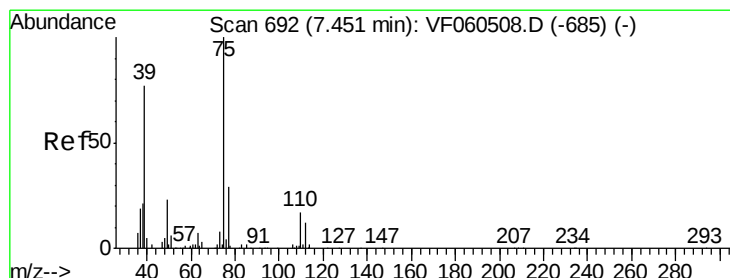
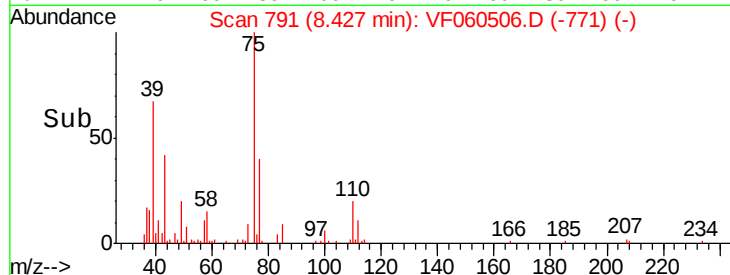
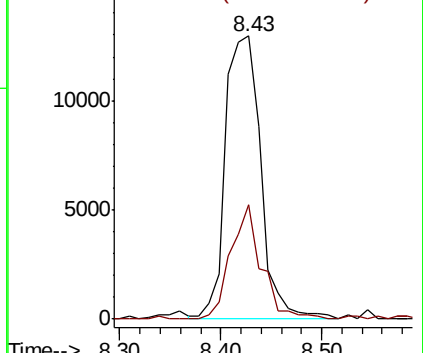
75 100

77 40.6 23.7 35.5#



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: 13.279 ug/l

RT: 7.45 min Scan# 692

Delta R.T. 0.00 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

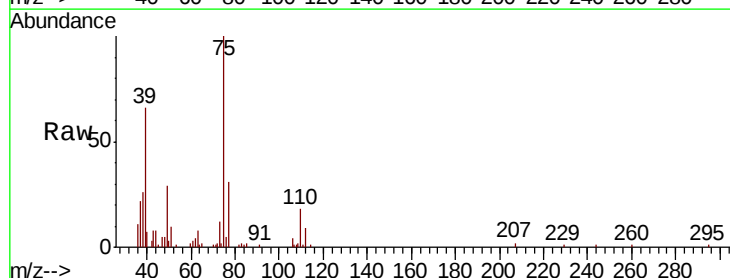
Tgt Ion: 75 Resp: 32689

Ion Ratio Lower Upper

75 100

77 30.6 23.6 35.4

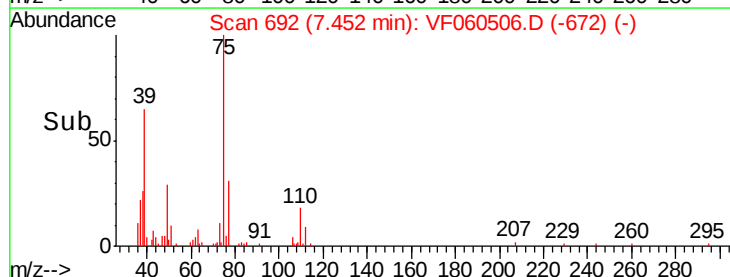
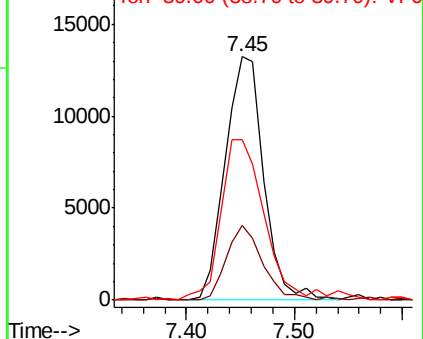
39 66.0 61.6 92.4

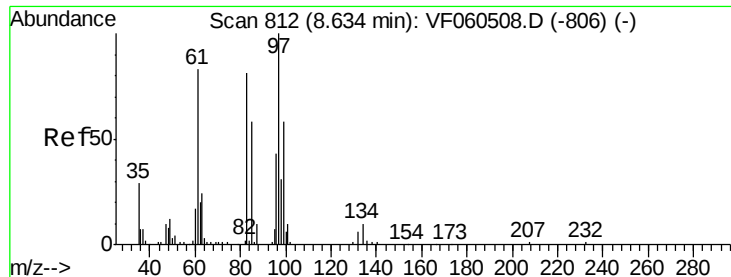


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 11.349 ug/l

RT: 8.62 min Scan# 811

Delta R.T. -0.01 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tgt Ion: 97 Resp: 12054

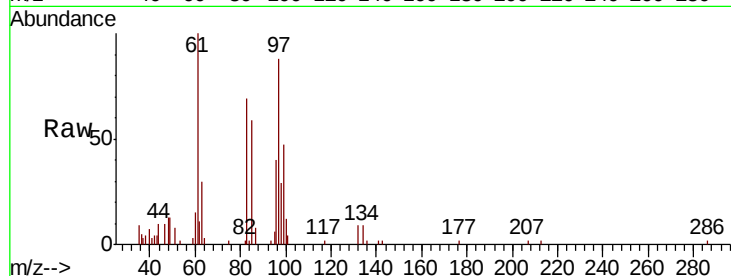
Ion Ratio Lower Upper

97 100

83 78.8 65.0 97.4

85 67.0 47.0 70.6

99 53.4 46.2 69.4

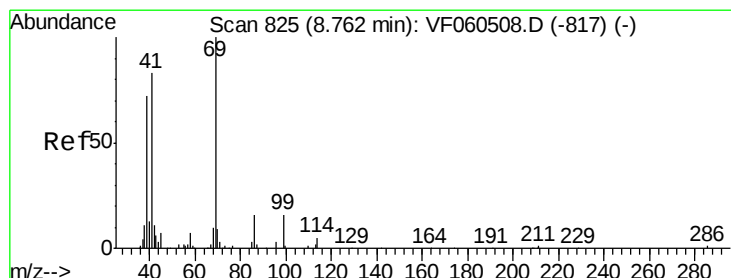
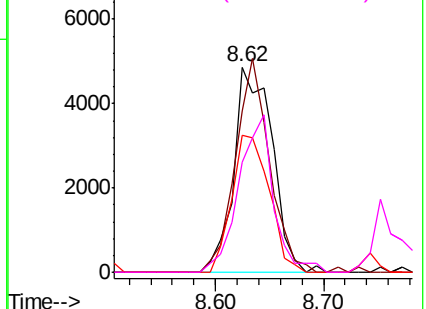
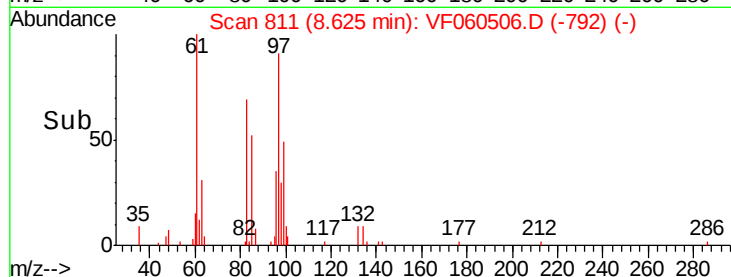


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 11.986 ug/l

RT: 8.76 min Scan# 825

Delta R.T. 0.00 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

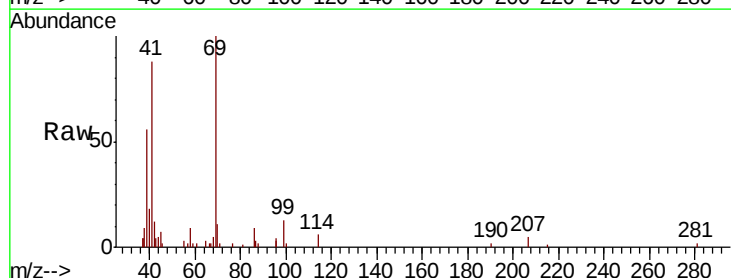
Tgt Ion: 69 Resp: 14730

Ion Ratio Lower Upper

69 100

41 87.5 67.2 100.8

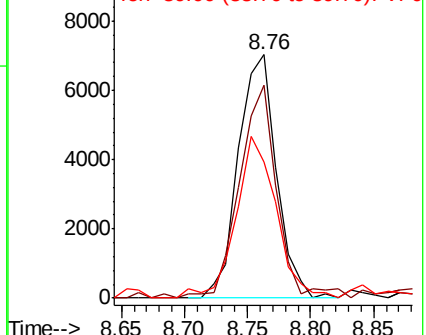
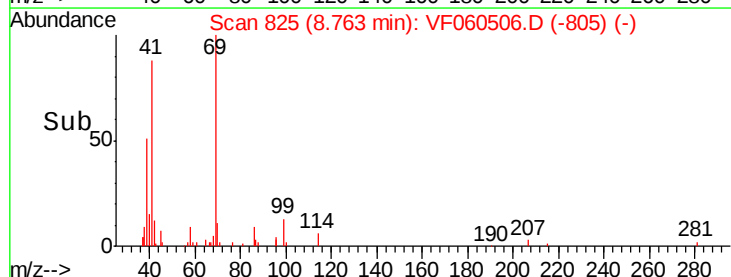
39 55.7 58.4 87.6#

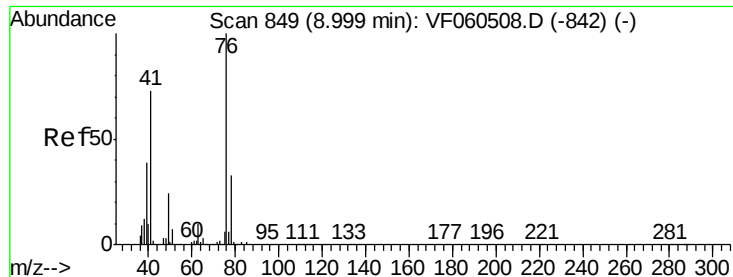


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 13.239 ug/l

RT: 9.00 min Scan# 849

Delta R.T. 0.00 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

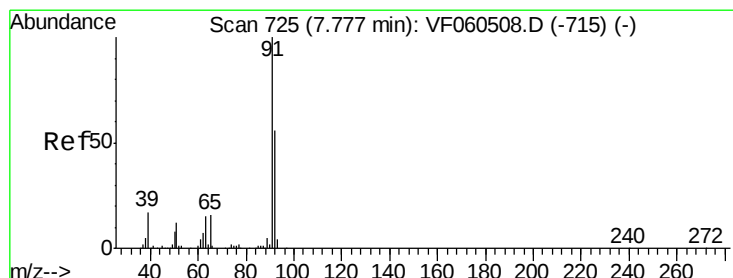
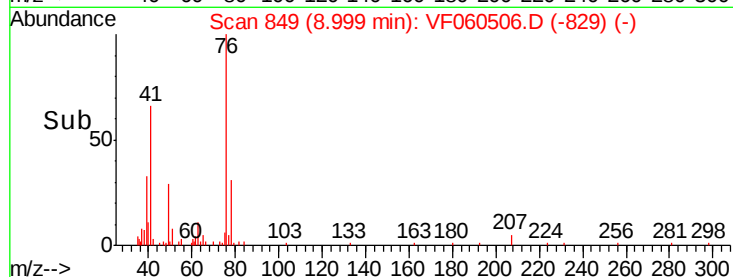
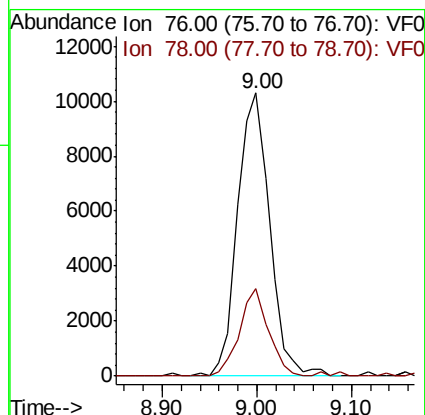
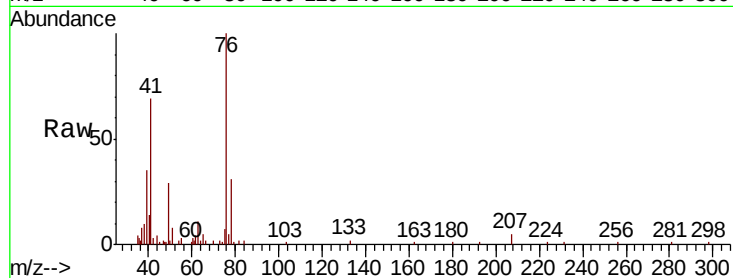
VSTDIC010

Tgt Ion: 76 Resp: 24214

Ion Ratio Lower Upper

76 100

78 31.0 26.6 40.0



#58

2-Chloroethyl Vinyl ether

Concen: 75.783 ug/l

RT: 7.78 min Scan# 725

Delta R.T. 0.00 min

Lab File: VF060506.D

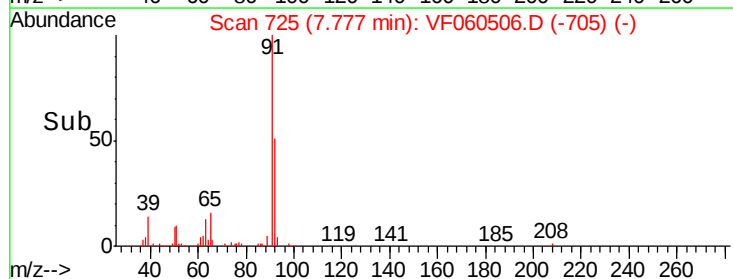
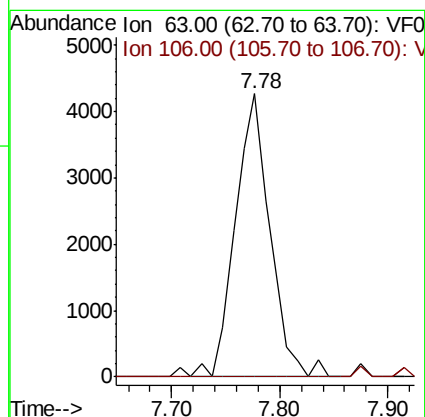
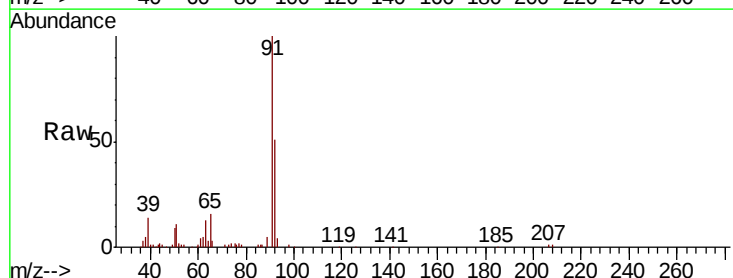
Acq: 25 Oct 2018 14:36

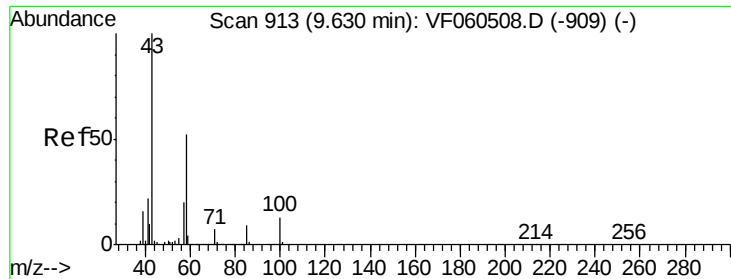
Tgt Ion: 63 Resp: 9464

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

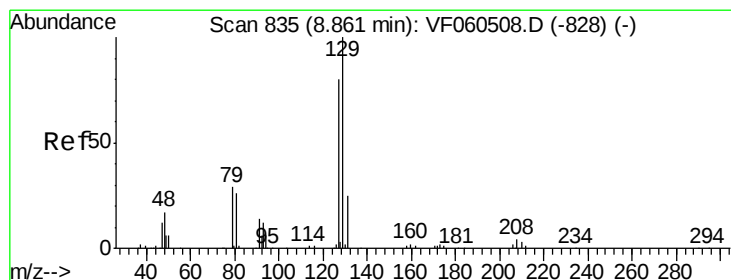
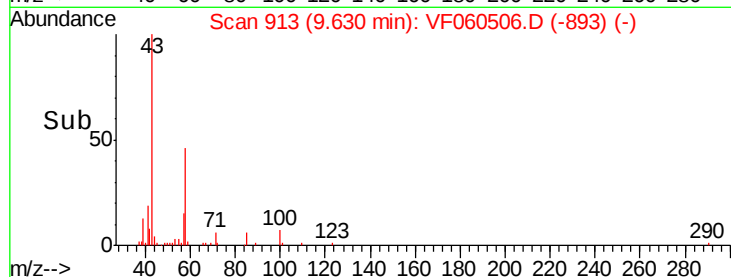
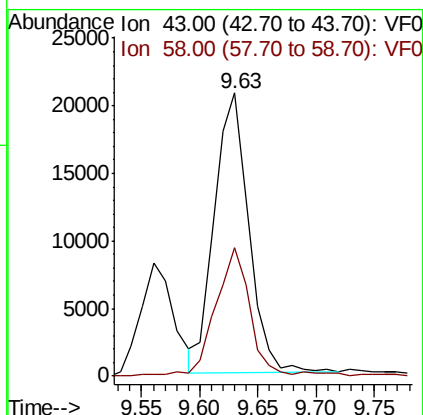
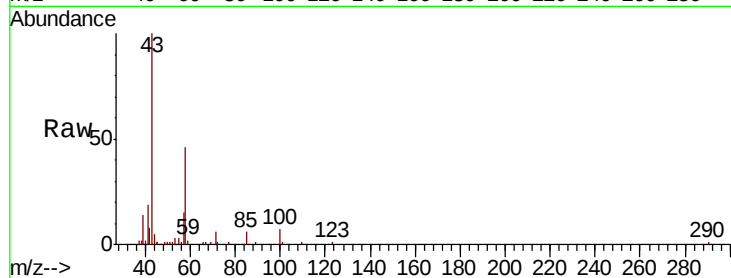




#59
2-Hexanone
Concen: 71.411 ug/l
RT: 9.63 min Scan# 913
Delta R.T. 0.00 min
Lab File: VF060506.D
Acq: 25 Oct 2018 14:36

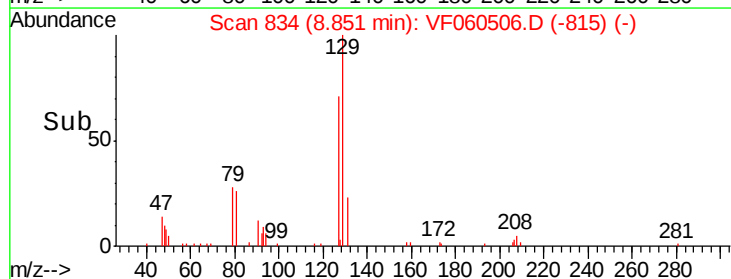
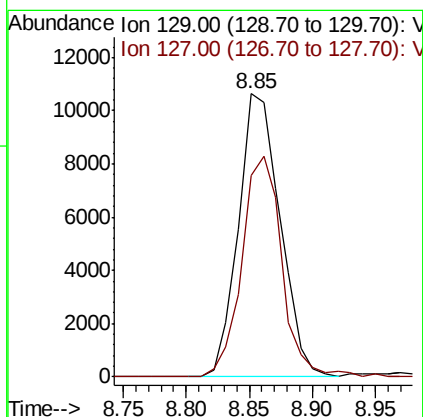
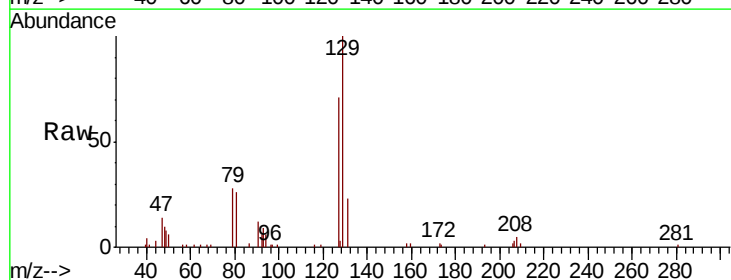
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

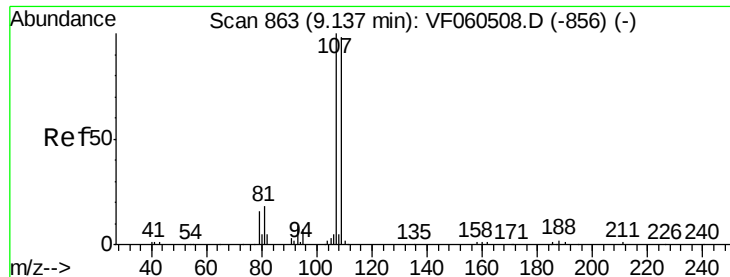
Tgt Ion: 43 Resp: 42398
Ion Ratio Lower Upper
43 100
58 45.6 23.5 70.5



#60
Dibromochloromethane
Concen: 14.617 ug/l
RT: 8.85 min Scan# 834
Delta R.T. -0.01 min
Lab File: VF060506.D
Acq: 25 Oct 2018 14:36

Tgt Ion: 129 Resp: 24371
Ion Ratio Lower Upper
129 100
127 74.1 40.2 120.5

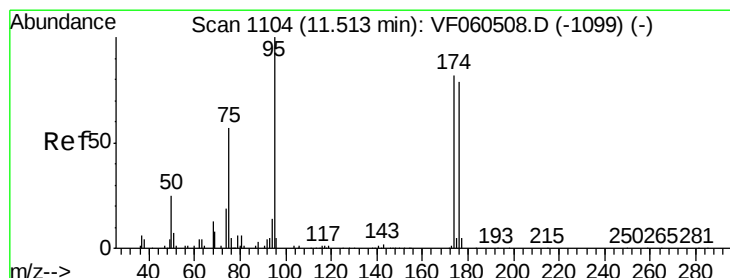
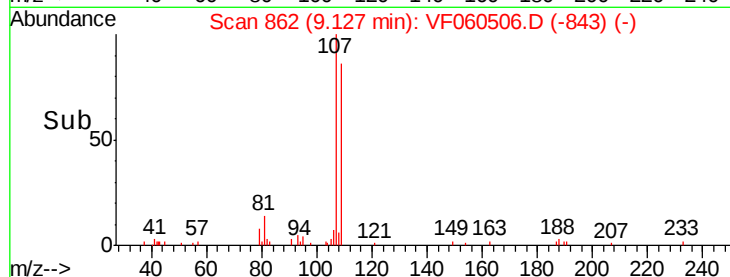
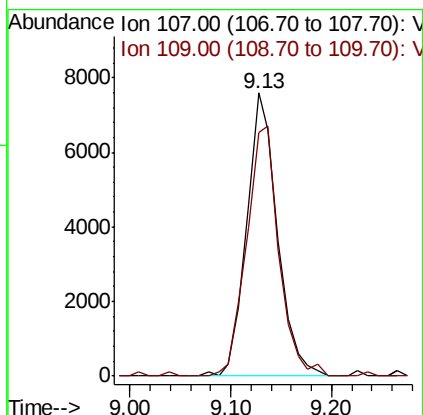
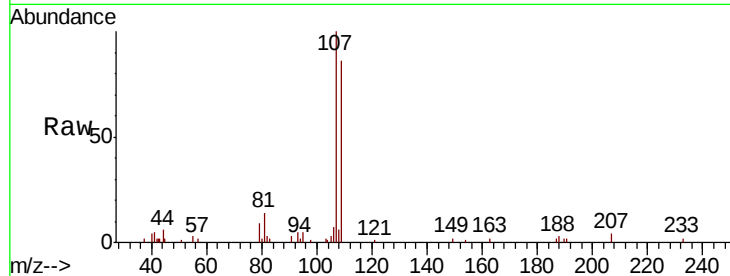




#61
 1,2-Dibromoethane
 Concen: 13.418 ug/l
 RT: 9.13 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VF060506.D
 Acq: 25 Oct 2018 14:36

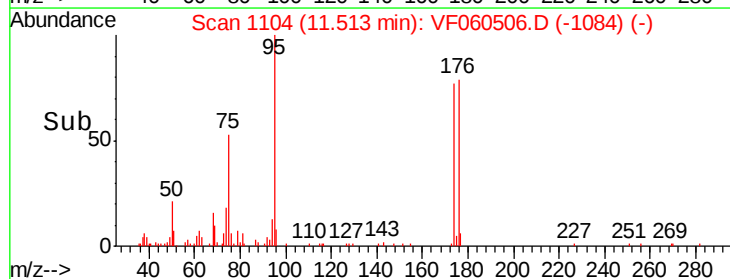
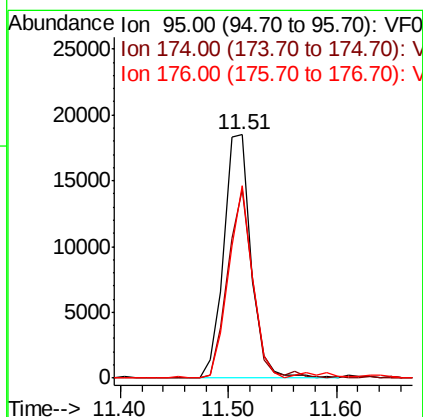
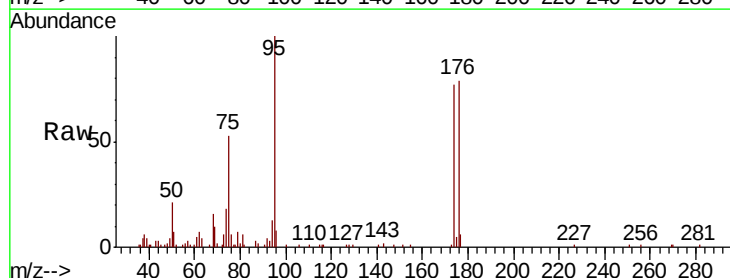
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

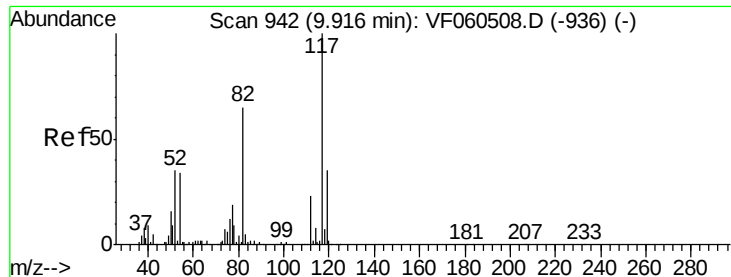
Tgt Ion: 107 Resp: 16103
 Ion Ratio Lower Upper
 107 100
 109 86.1 78.6 118.0



#62
 4-Bromofluorobenzene
 Concen: 14.611 ug/l
 RT: 11.51 min Scan# 1104
 Delta R.T. 0.00 min
 Lab File: VF060506.D
 Acq: 25 Oct 2018 14:36

Tgt Ion: 95 Resp: 32590
 Ion Ratio Lower Upper
 95 100
 174 77.3 0.0 164.2
 176 78.9 0.0 158.4

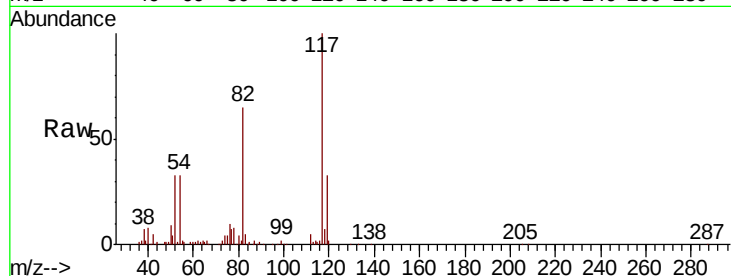




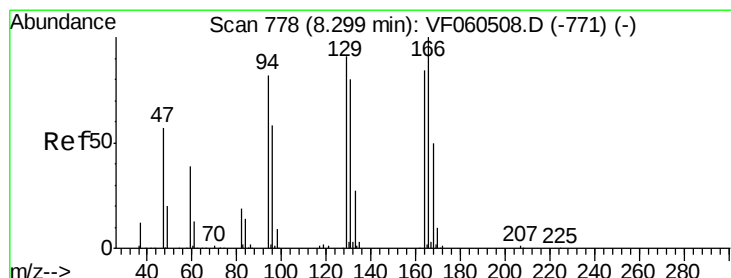
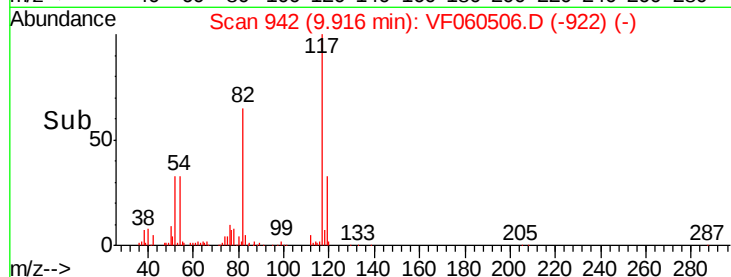
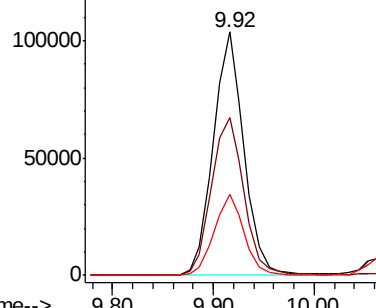
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.00 min
Lab File: VF060506.D
Acq: 25 Oct 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
117	100		
82	64.8	51.7	77.5
119	33.2	28.3	42.5

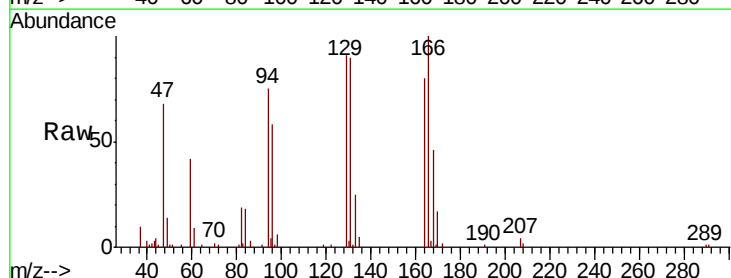


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

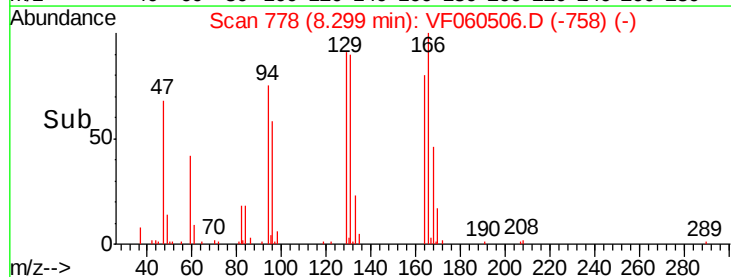
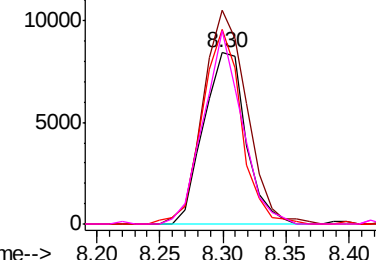


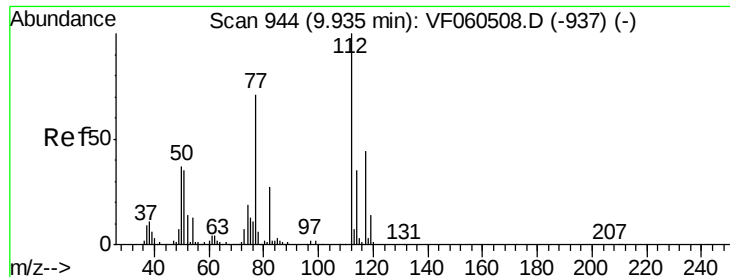
#64
Tetrachloroethene
Concen: 11.278 ug/l
RT: 8.30 min Scan# 778
Delta R.T. 0.00 min
Lab File: VF060506.D
Acq: 25 Oct 2018 14:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.6	95.1	142.7
129	113.6	86.3	129.5
131	112.6	76.5	114.7



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: 11.753 ug/l

RT: 9.94 min Scan# 944

Delta R.T. 0.00 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

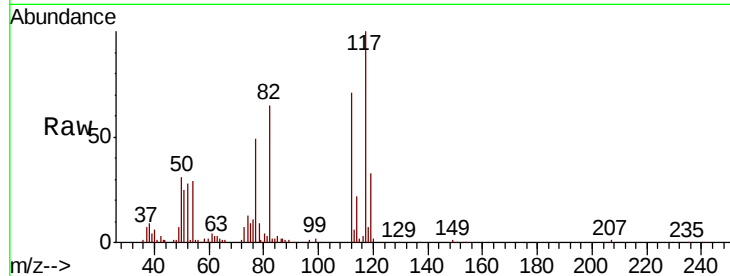
VSTDIC010

Tgt Ion:112 Resp: 50128

Ion Ratio Lower Upper

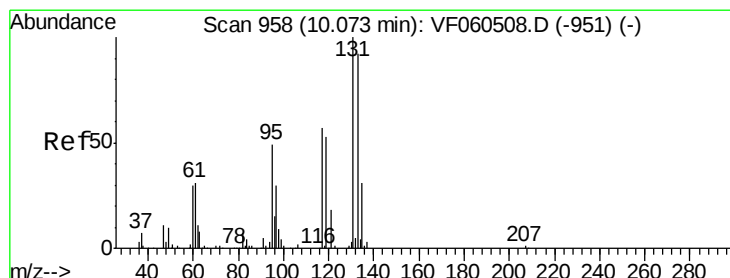
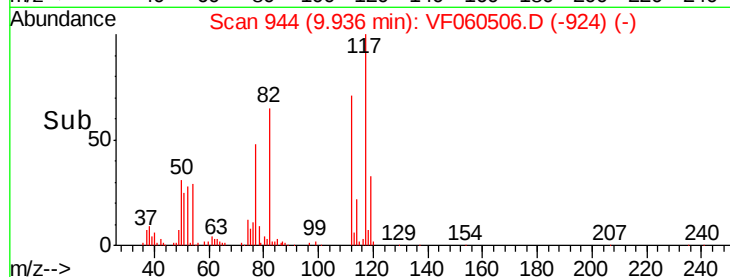
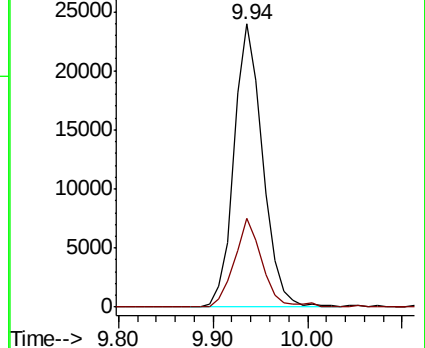
112 100

114 31.5 27.7 41.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 13.946 ug/l

RT: 10.06 min Scan# 957

Delta R.T. -0.01 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

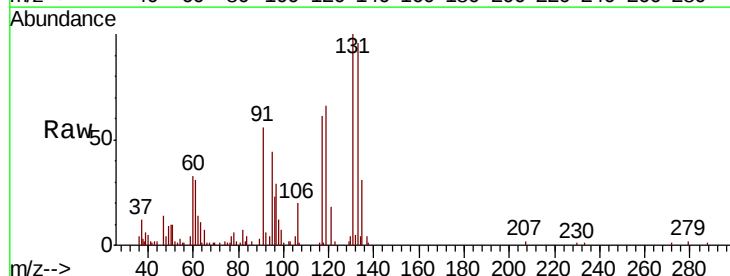
Tgt Ion:131 Resp: 26794

Ion Ratio Lower Upper

131 100

133 96.1 46.1 138.2

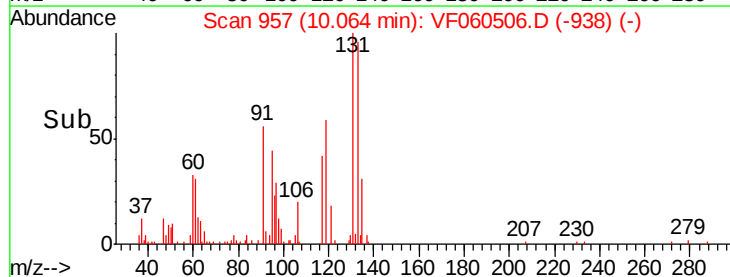
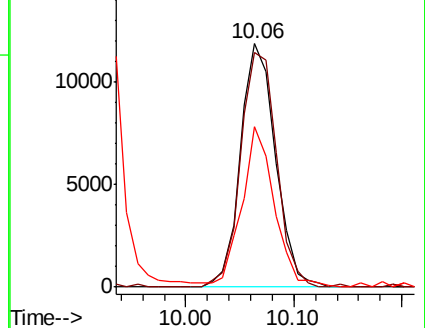
119 65.8 27.0 80.8

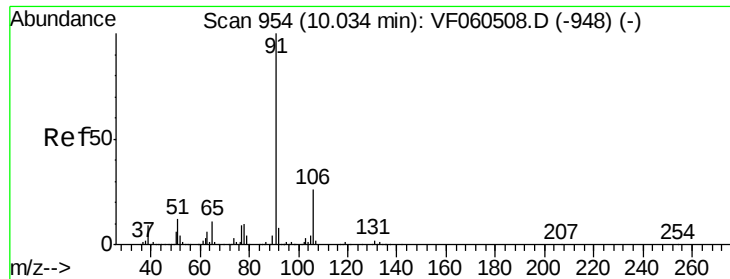


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

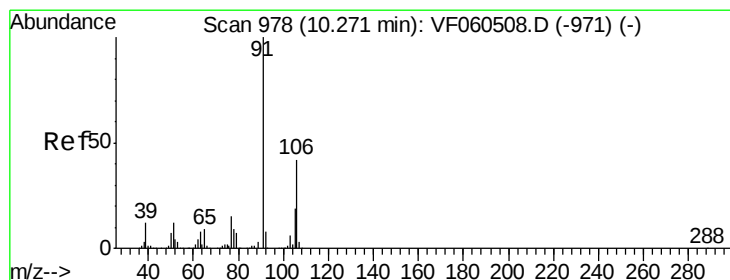
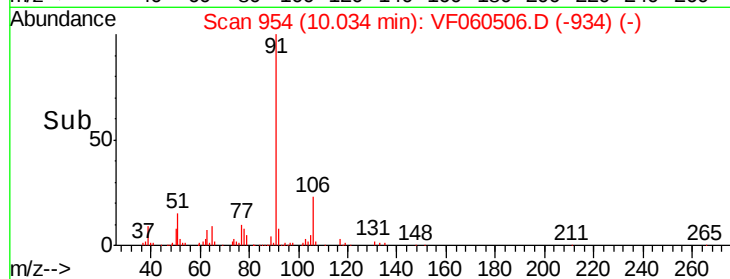
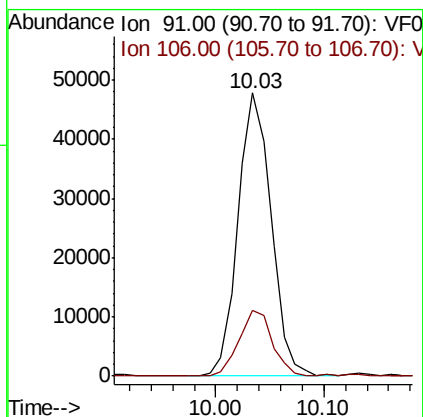
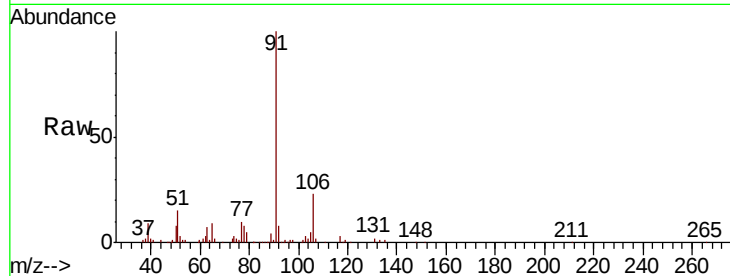




#67
Ethyl Benzene
Concen: 12.741 ug/l
RT: 10.03 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF060506.D
Acq: 25 Oct 2018 14:36

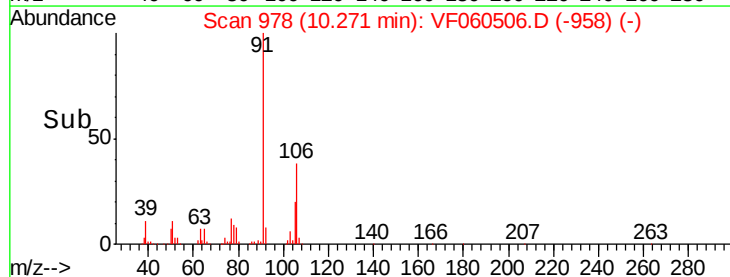
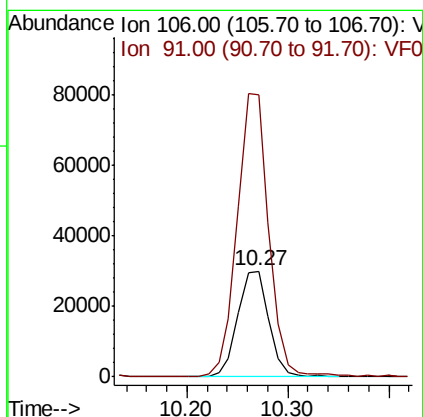
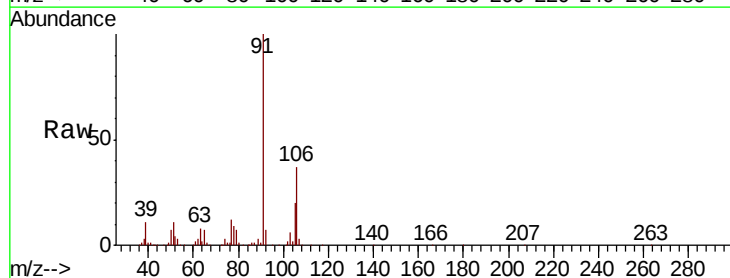
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

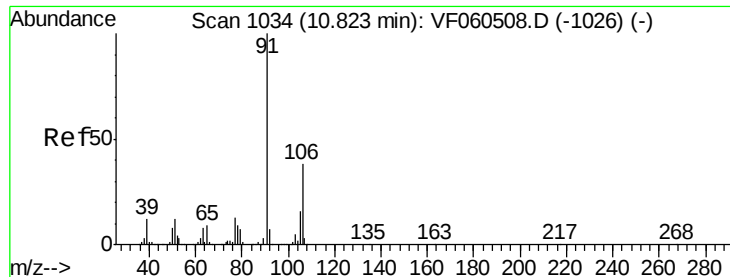
Tgt Ion: 91 Resp: 102524
Ion Ratio Lower Upper
91 100
106 23.1 20.7 31.1



#68
m/p-Xylenes
Concen: 23.615 ug/l
RT: 10.27 min Scan# 978
Delta R.T. 0.00 min
Lab File: VF060506.D
Acq: 25 Oct 2018 14:36

Tgt Ion: 106 Resp: 64869
Ion Ratio Lower Upper
106 100
91 267.7 192.5 288.7

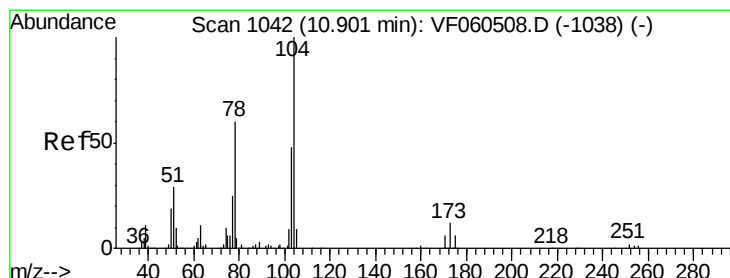
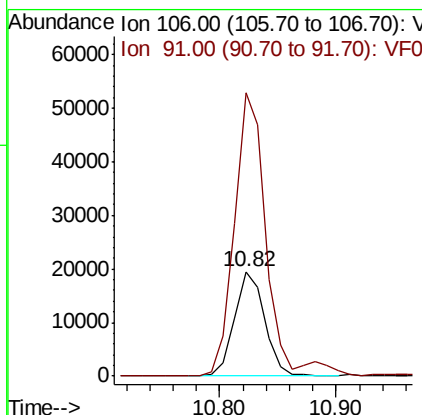
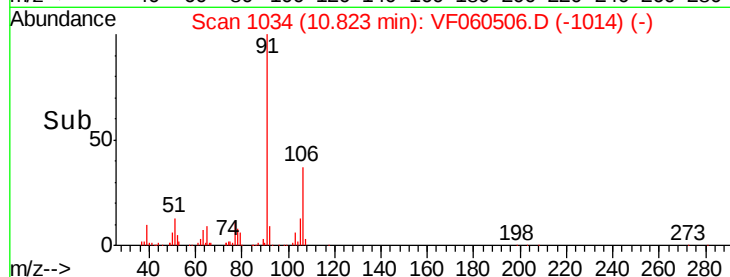
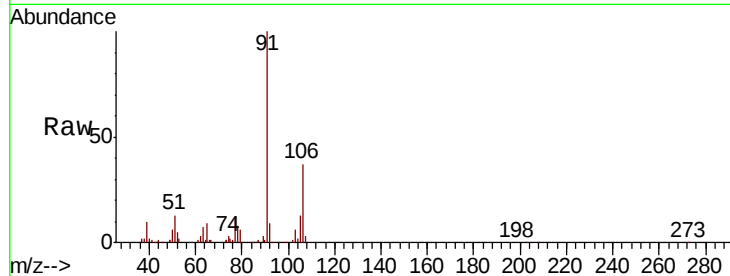




#69
o-Xylene
Concen: 11.824 ug/l
RT: 10.82 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VF060506.D
Acq: 25 Oct 2018 14:36

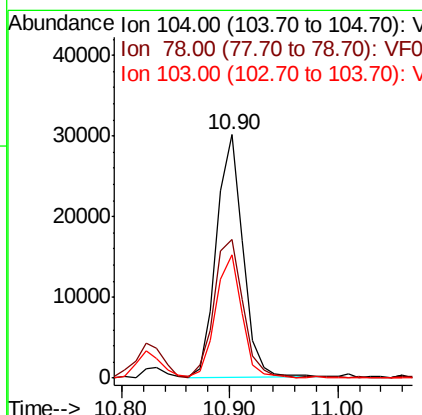
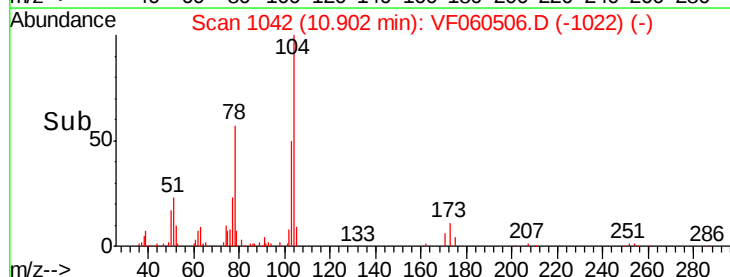
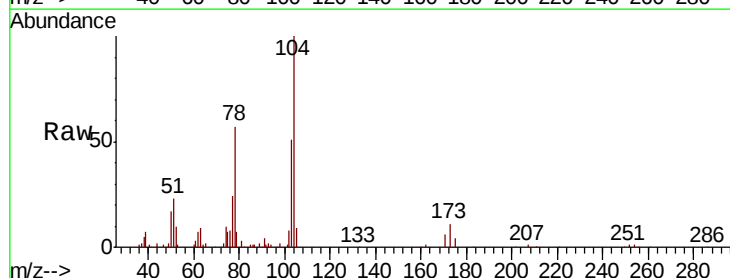
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

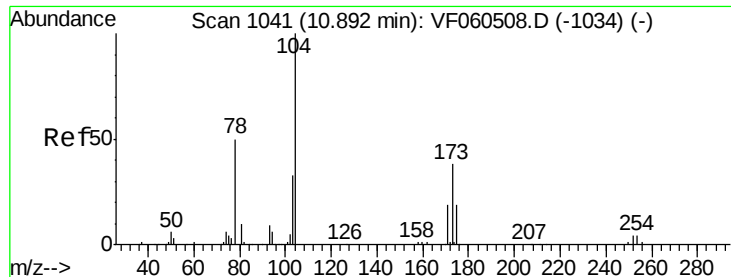
Tgt Ion:106 Resp: 35323
Ion Ratio Lower Upper
106 100
91 271.3 130.9 392.7



#70
Styrene
Concen: 11.930 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VF060506.D
Acq: 25 Oct 2018 14:36

Tgt Ion:104 Resp: 51298
Ion Ratio Lower Upper
104 100
78 56.8 48.7 73.1
103 50.8 38.8 58.2





#71

Bromoform

Concen: 14.364 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. -0.01 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

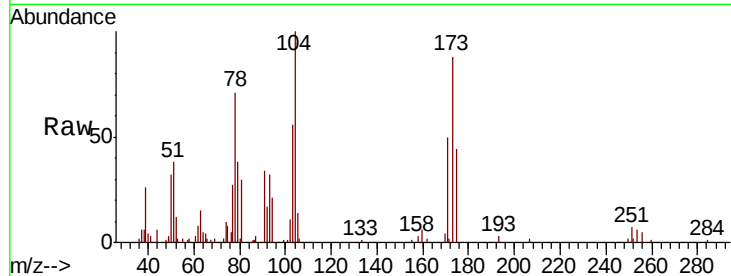
Tgt Ion:173 Resp: 13991

Ion Ratio Lower Upper

173 100

175 50.3 25.5 76.5

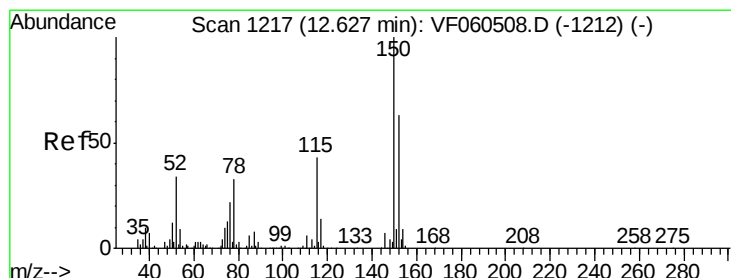
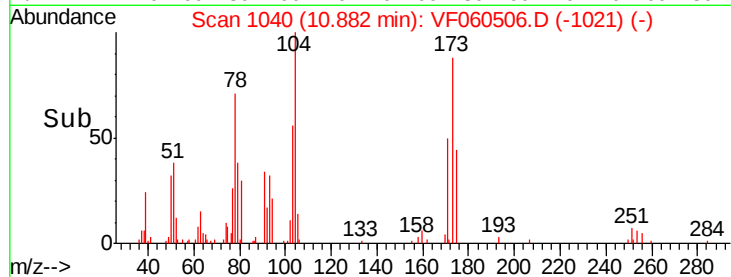
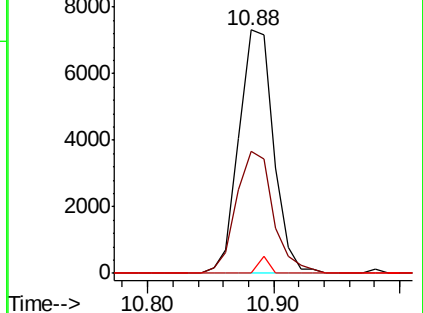
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

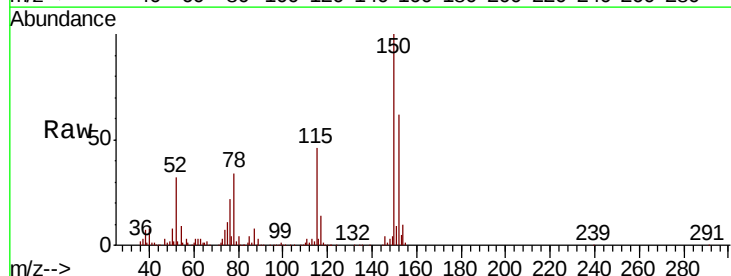
Tgt Ion:152 Resp: 146791

Ion Ratio Lower Upper

152 100

115 74.3 34.6 103.9

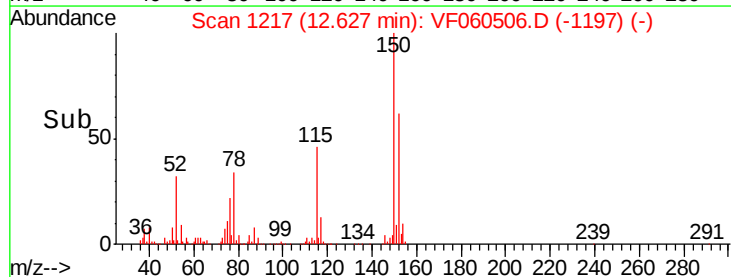
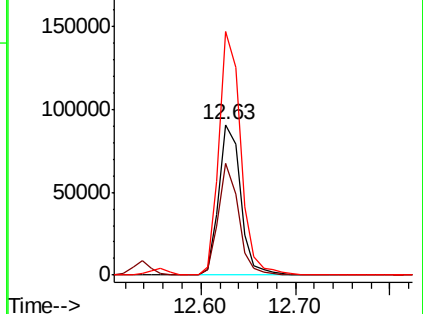
150 161.7 0.0 319.8

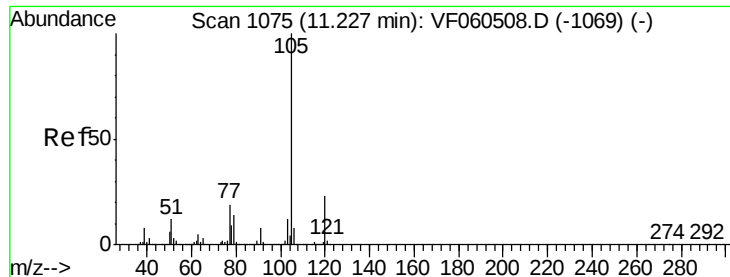


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 12.238 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

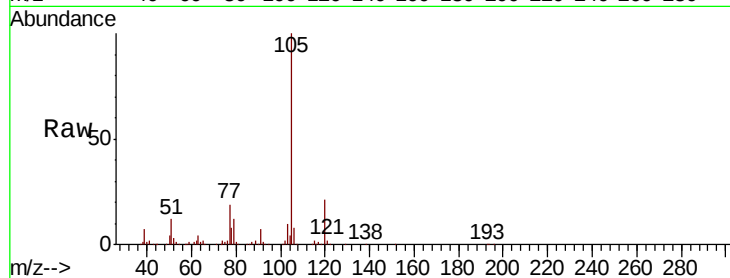
VSTDIC010

Tgt Ion: 105 Resp: 133531

Ion Ratio Lower Upper

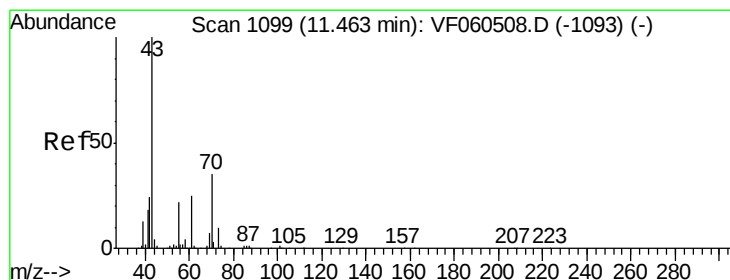
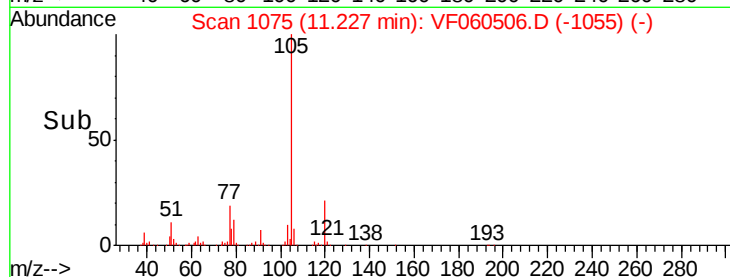
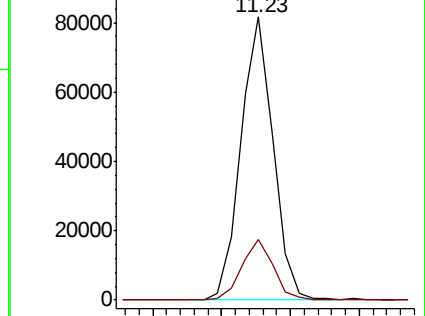
105 100

120 21.5 11.6 34.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 9.742 ug/l

RT: 11.46 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

Tgt Ion: 43 Resp: 23138

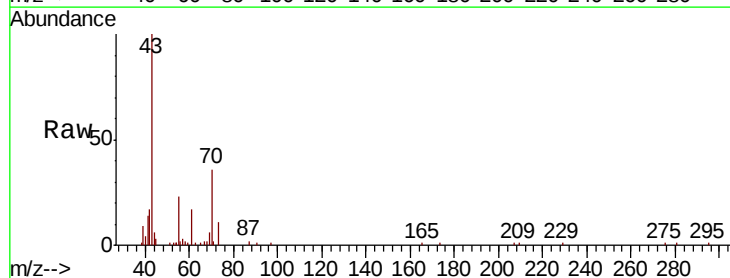
Ion Ratio Lower Upper

43 100

70 35.6 28.2 42.2

55 22.6 17.9 26.9

61 16.9 19.9 29.9#

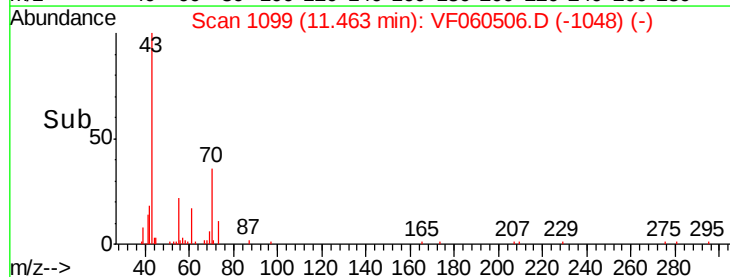
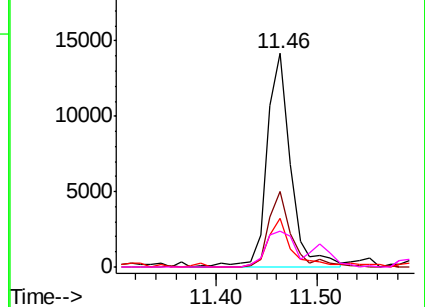


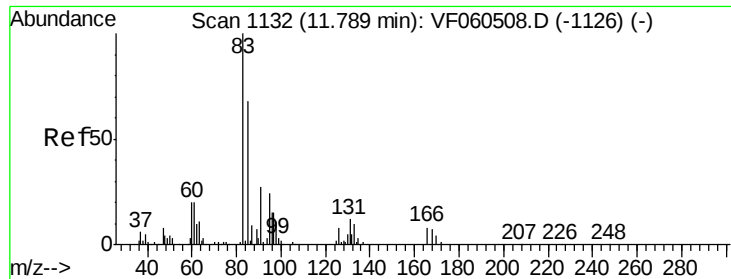
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 9.233 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

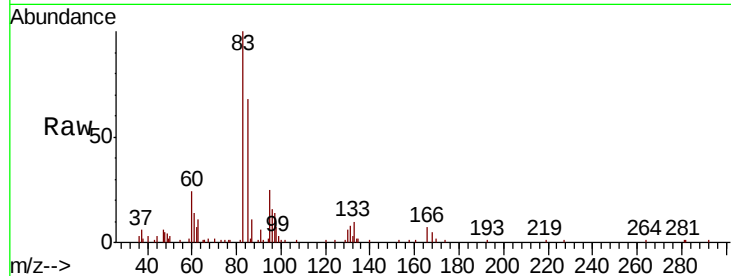
Tgt Ion: 83 Resp: 16933

Ion Ratio Lower Upper

83 100

131 8.3 5.8 17.4

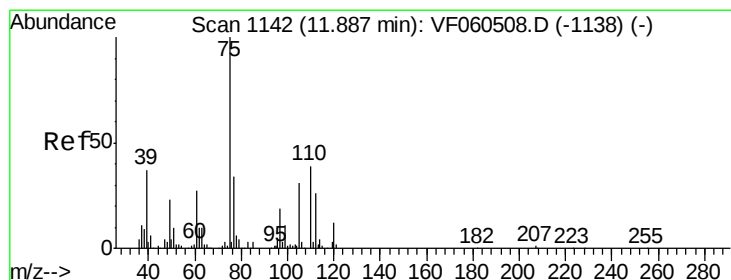
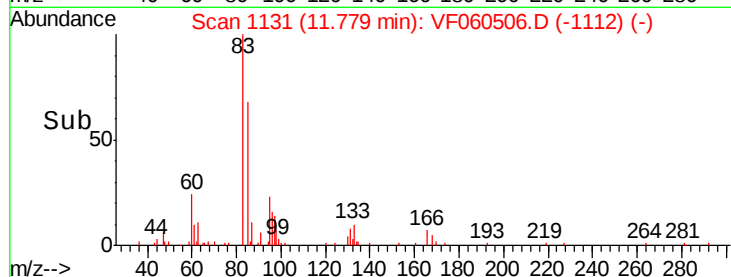
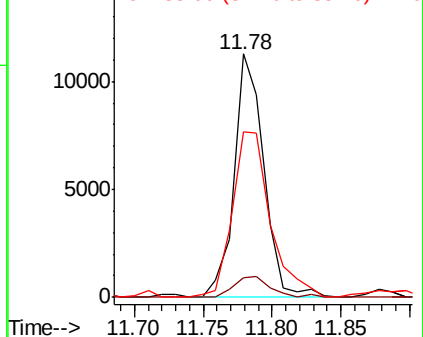
85 68.0 34.2 102.6



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: 11.373 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF060506.D

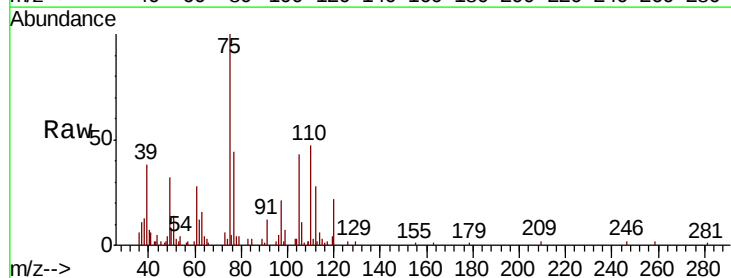
Acq: 25 Oct 2018 14:36

Tgt Ion: 75 Resp: 16124

Ion Ratio Lower Upper

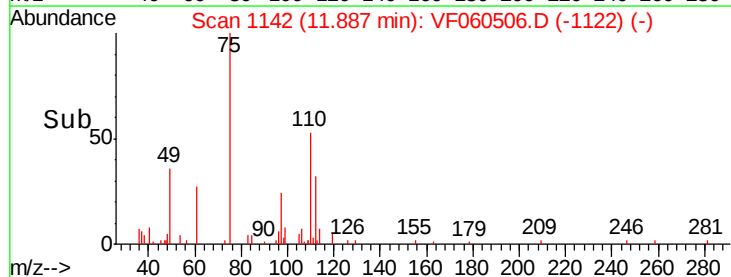
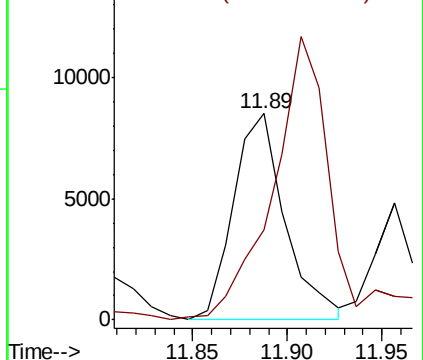
75 100

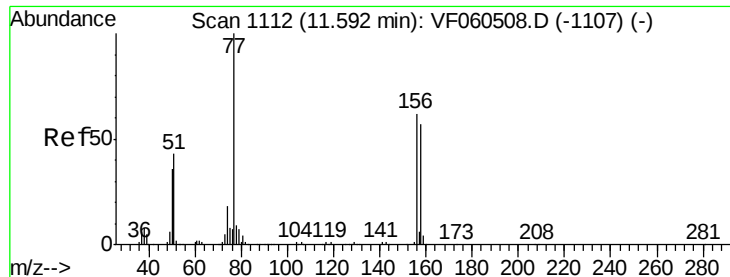
77 43.9 17.2 51.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 10.844 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

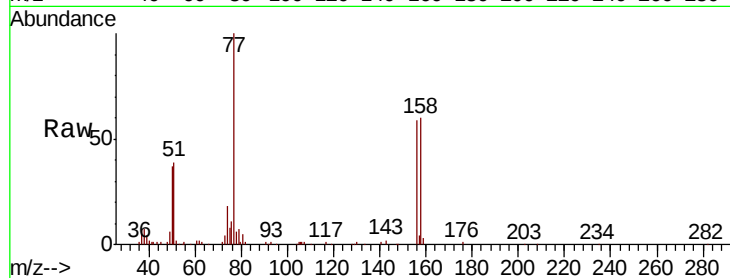
Tgt Ion:156 Resp: 26295

Ion Ratio Lower Upper

156 100

77 168.6 80.1 240.3

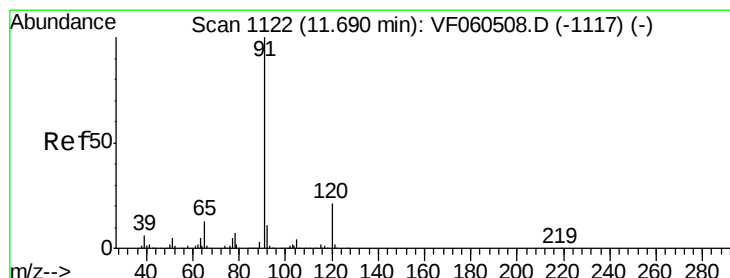
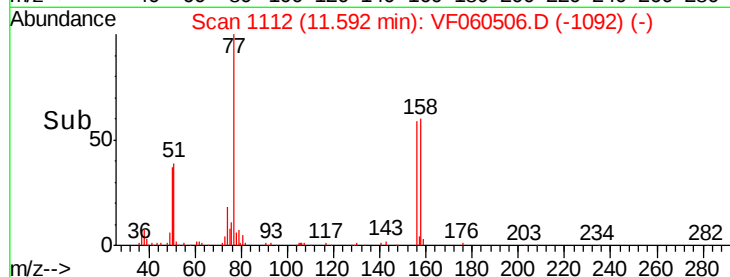
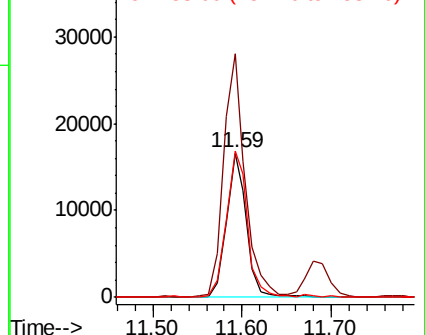
158 101.1 45.9 137.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 11.759 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF060506.D

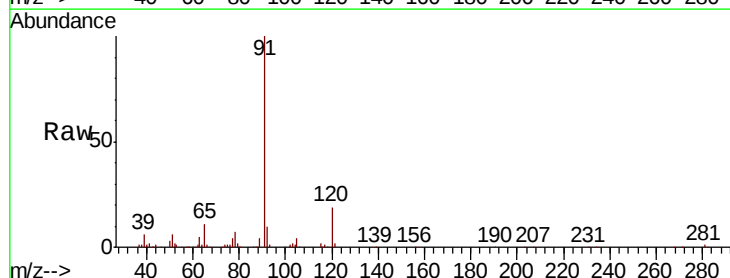
Acq: 25 Oct 2018 14:36

Tgt Ion: 91 Resp: 152809

Ion Ratio Lower Upper

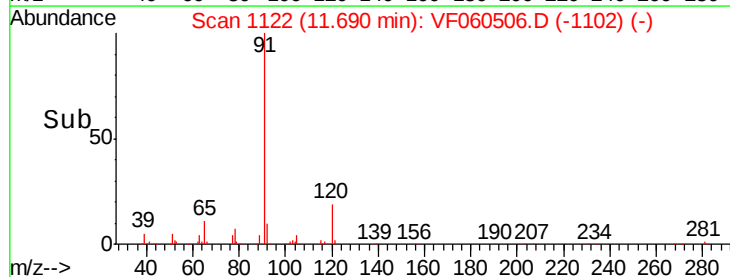
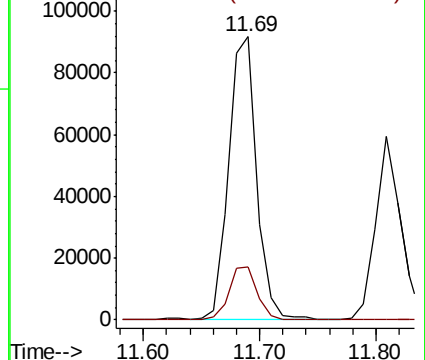
91 100

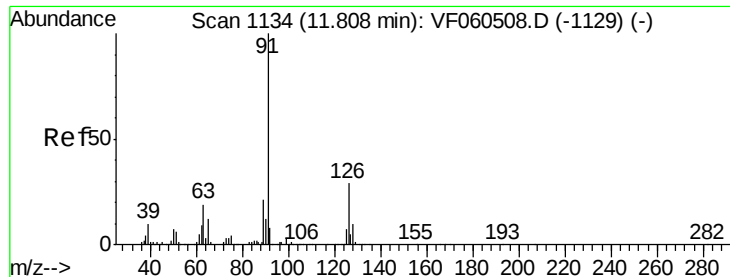
120 18.6 10.3 30.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

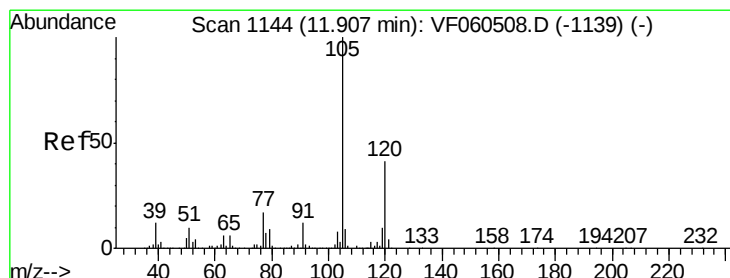
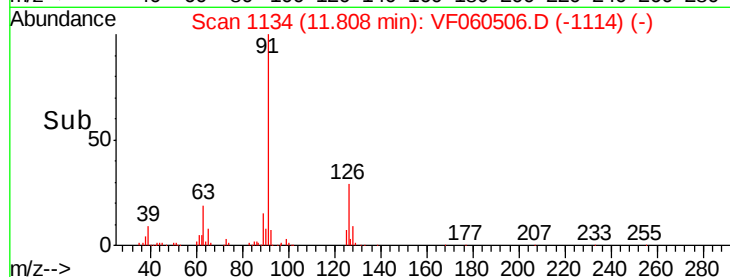
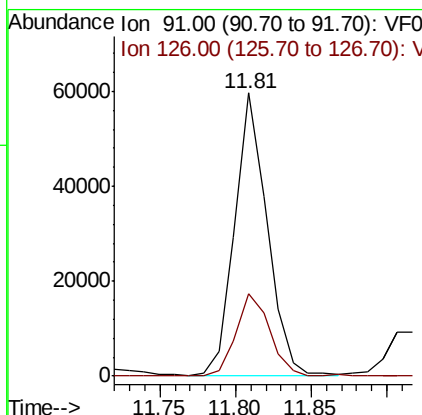
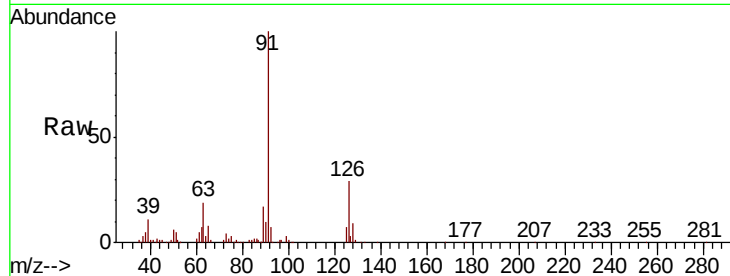




#79
 2-Chlorotoluene
 Concen: 11.600 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. 0.00 min
 Lab File: VF060506.D
 Acq: 25 Oct 2018 14:36

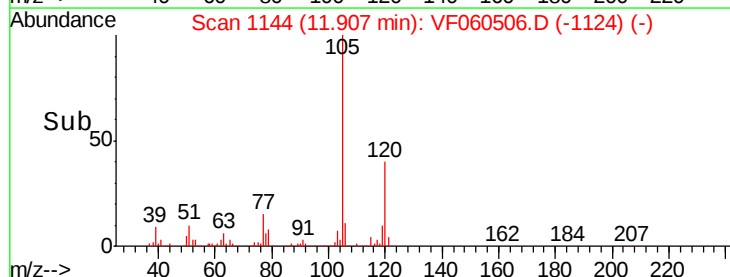
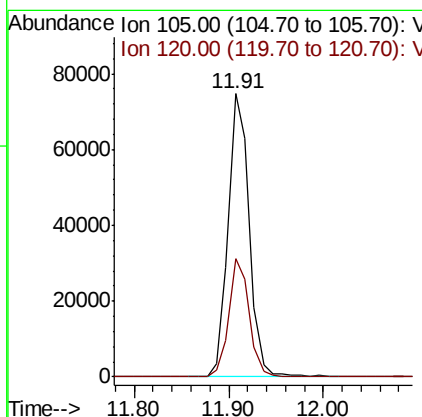
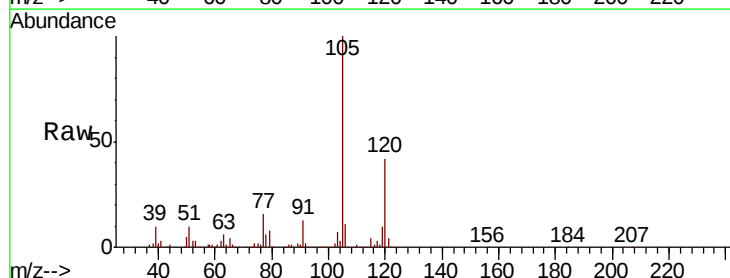
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

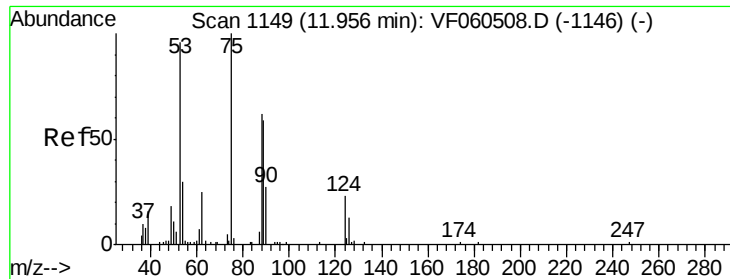
Tgt Ion: 91 Resp: 88255
 Ion Ratio Lower Upper
 91 100
 126 29.2 14.4 43.2



#80
 1,3,5-Trimethylbenzene
 Concen: 12.591 ug/l
 RT: 11.91 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VF060506.D
 Acq: 25 Oct 2018 14:36

Tgt Ion: 105 Resp: 115259
 Ion Ratio Lower Upper
 105 100
 120 41.6 20.6 61.9





#81

trans-1,4-Dichloro-2-butene

Concen: 16.515 ug/l

RT: 11.96 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VF060506.D

Acq: 25 Oct 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

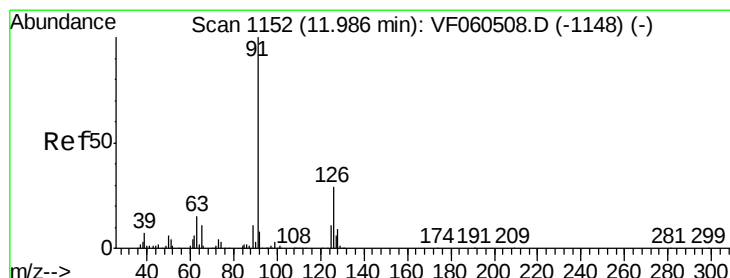
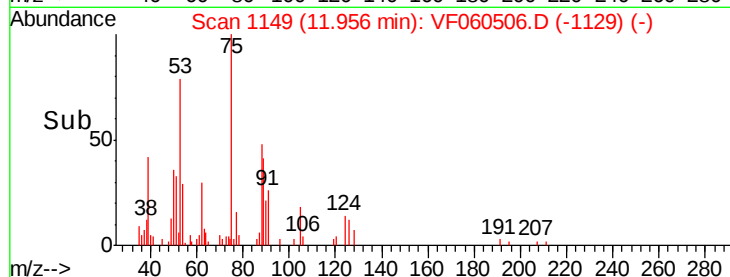
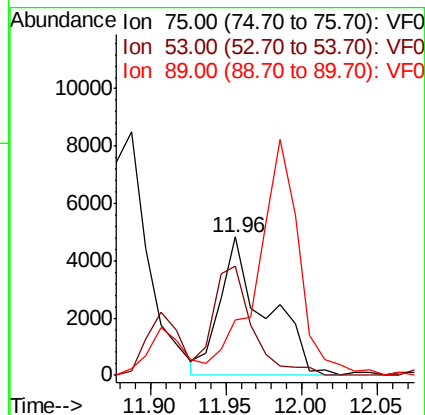
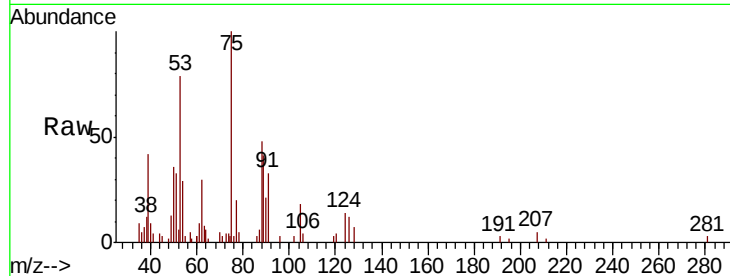
Tgt Ion: 75 Resp: 10209

Ion Ratio Lower Upper

75 100

53 79.3 85.0 127.6#

89 40.6 50.2 75.4#



#82

4-Chlorotoluene

Concen: 12.350 ug/l

RT: 11.99 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF060506.D

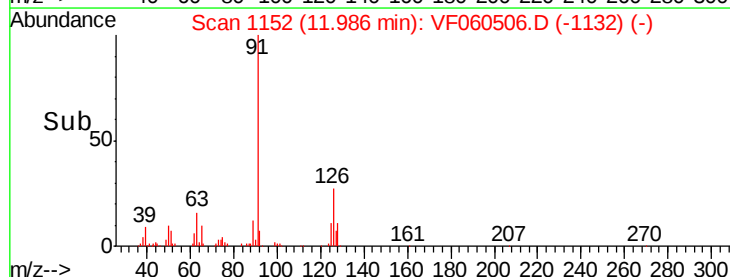
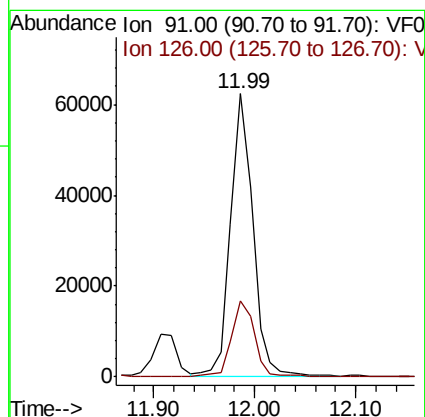
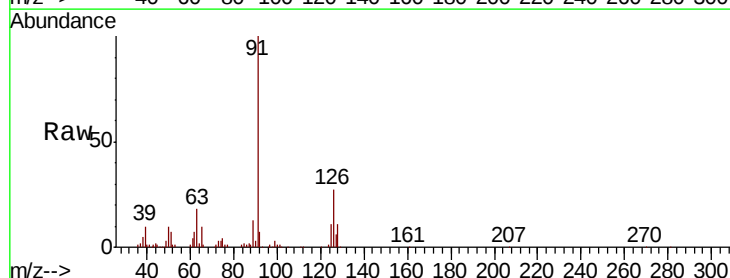
Acq: 25 Oct 2018 14:36

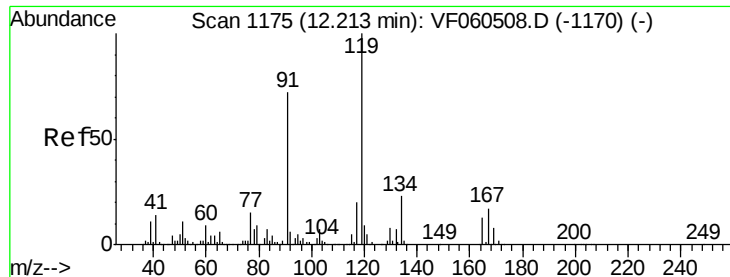
Tgt Ion: 91 Resp: 96941

Ion Ratio Lower Upper

91 100

126 27.0 14.8 44.4

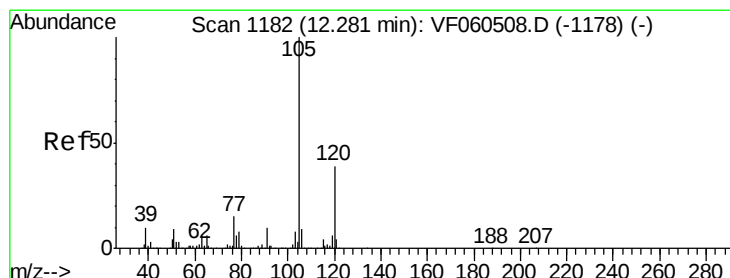
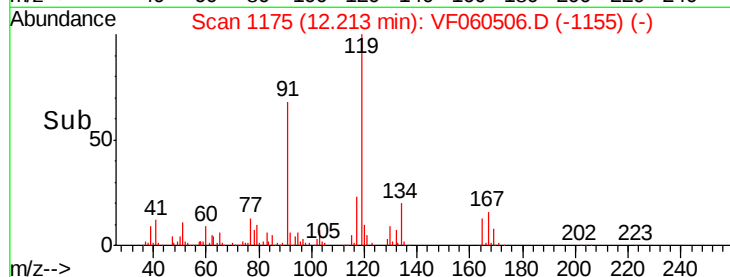
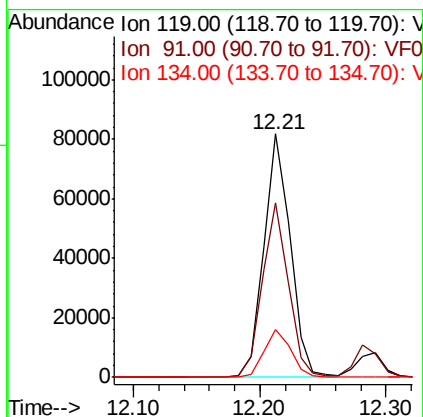
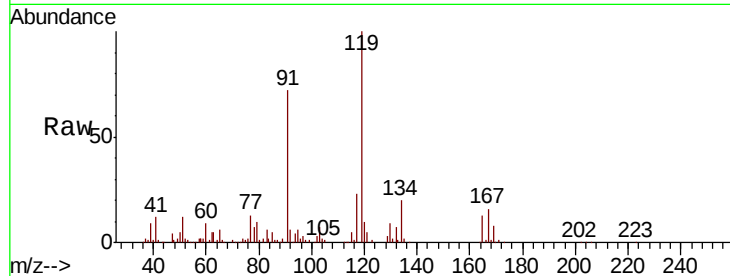




#83
 tert-Butylbenzene
 Concen: 13.044 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VF060506.D
 Acq: 25 Oct 2018 14:36

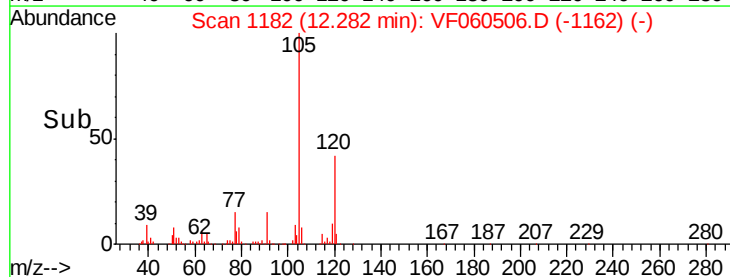
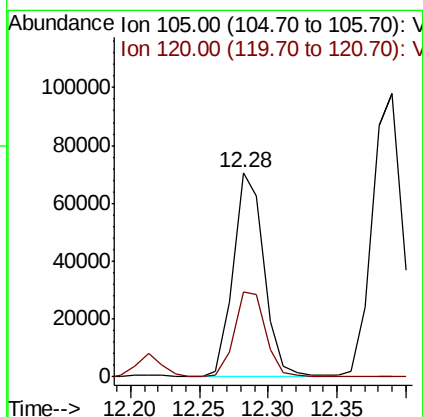
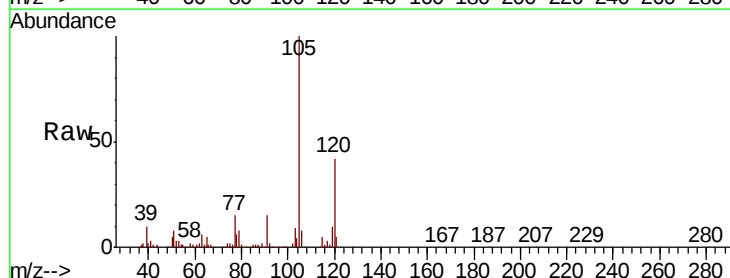
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

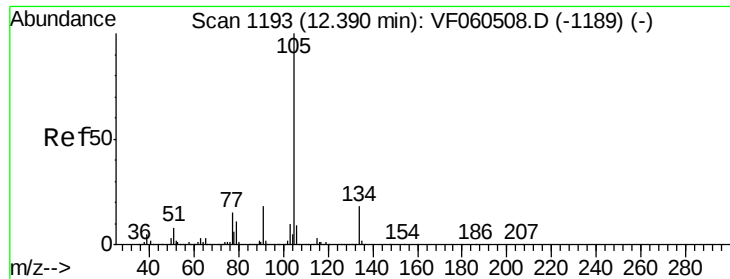
Tgt Ion:119 Resp: 120032
 Ion Ratio Lower Upper
 119 100
 91 71.6 36.3 108.9
 134 19.5 11.4 34.2



#84
 1,2,4-Trimethylbenzene
 Concen: 11.915 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VF060506.D
 Acq: 25 Oct 2018 14:36

Tgt Ion:105 Resp: 110732
 Ion Ratio Lower Upper
 105 100
 120 41.5 19.4 58.1

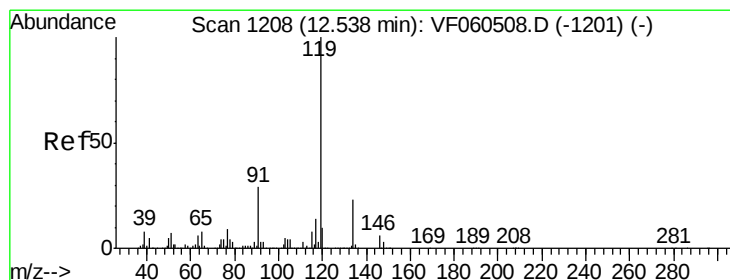
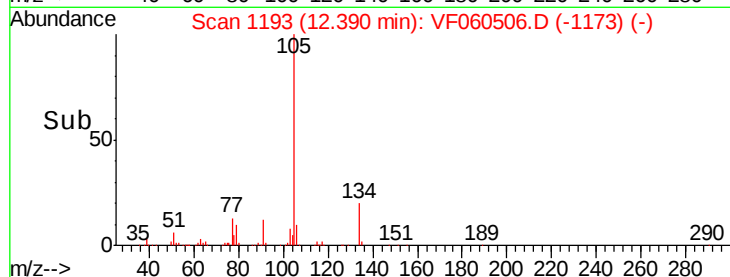
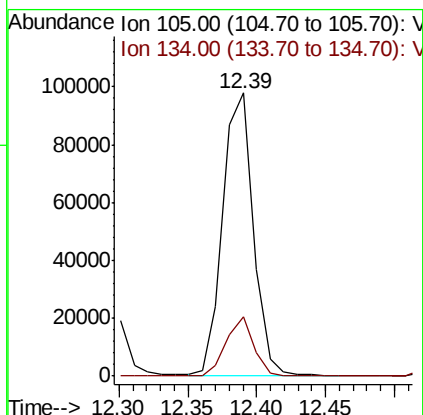
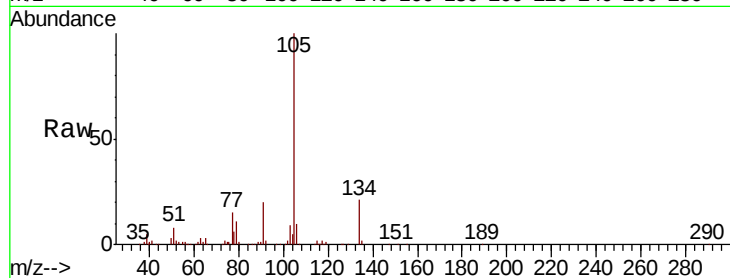




#85
 sec-Butylbenzene
 Concen: 12.074 ug/l
 RT: 12.39 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF060506.D
 Acq: 25 Oct 2018 14:36

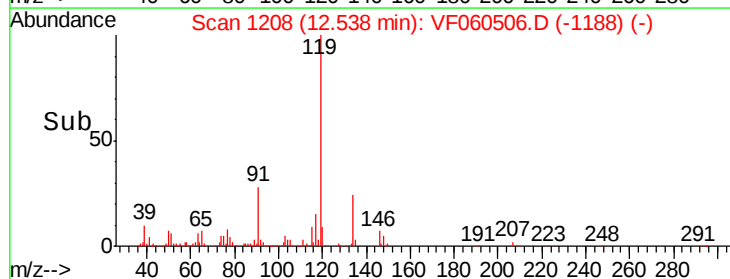
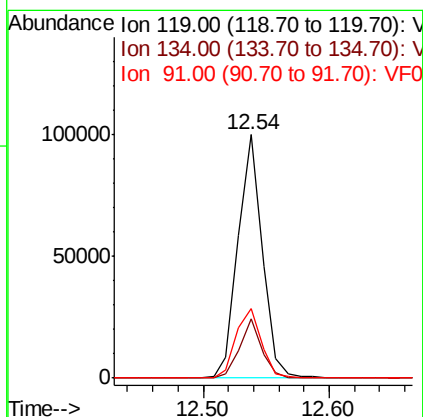
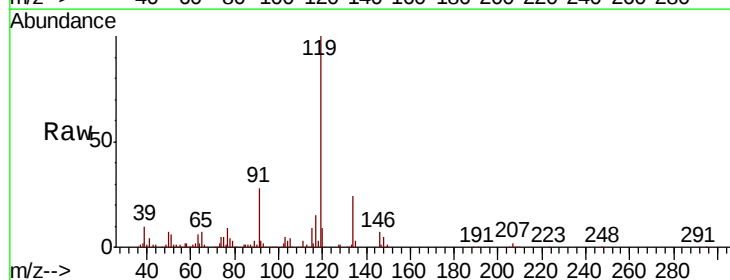
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

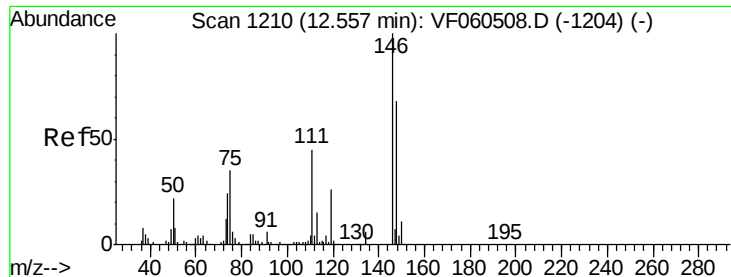
Tgt Ion:105 Resp: 150684
 Ion Ratio Lower Upper
 105 100
 134 21.0 9.2 27.4



#86
 p-Isopropyltoluene
 Concen: 13.022 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: VF060506.D
 Acq: 25 Oct 2018 14:36

Tgt Ion:119 Resp: 133415
 Ion Ratio Lower Upper
 119 100
 134 24.2 11.7 35.0
 91 28.4 14.4 43.4

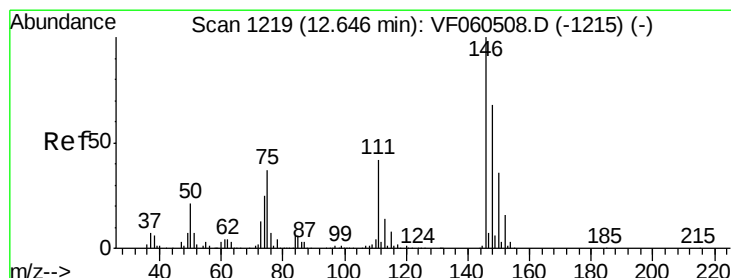
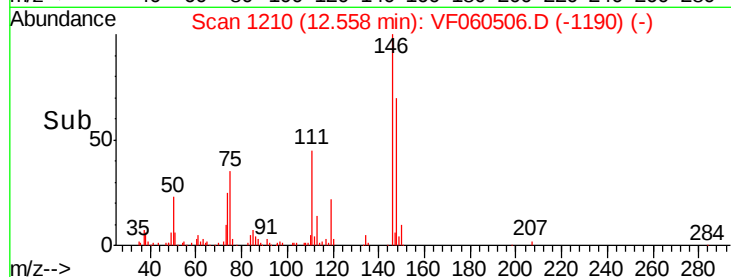
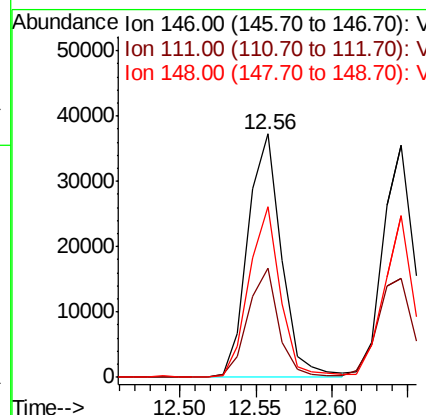
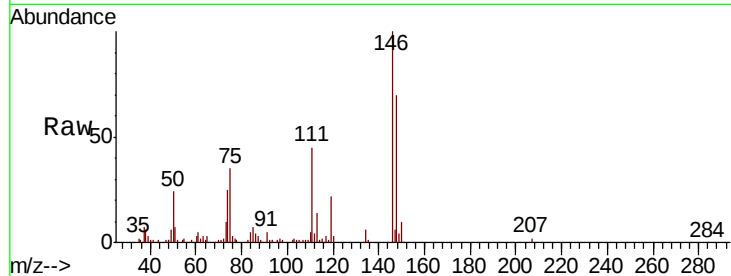




#87
 1,3-Dichlorobenzene
 Concen: 12.470 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF060506.D
 Acq: 25 Oct 2018 14:36

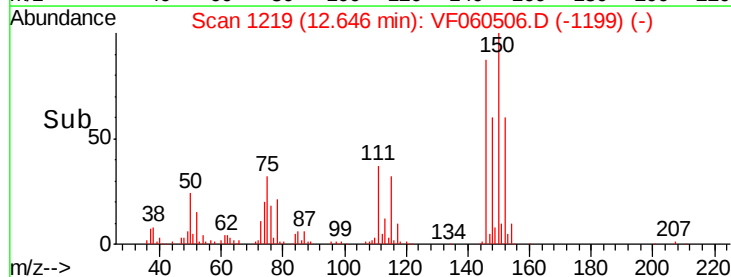
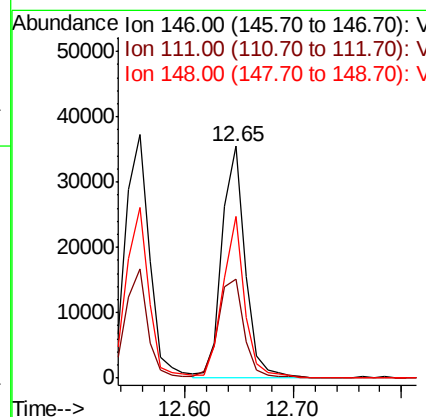
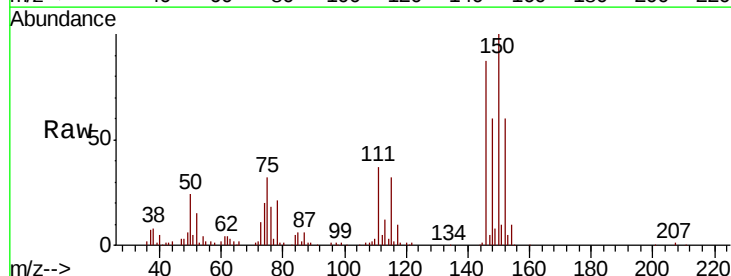
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

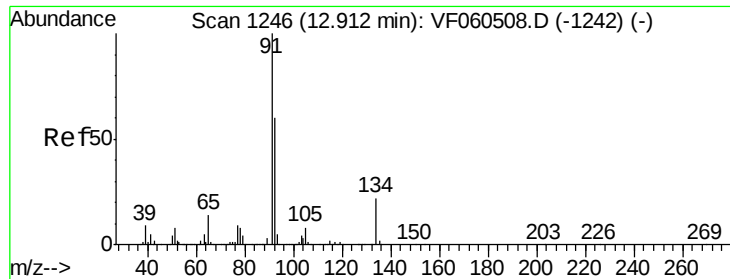
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.3	66.8
148	70.2	34.1	102.3



#88
 1,4-Dichlorobenzene
 Concen: 11.842 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF060506.D
 Acq: 25 Oct 2018 14:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.3
148	69.6	33.9	101.7

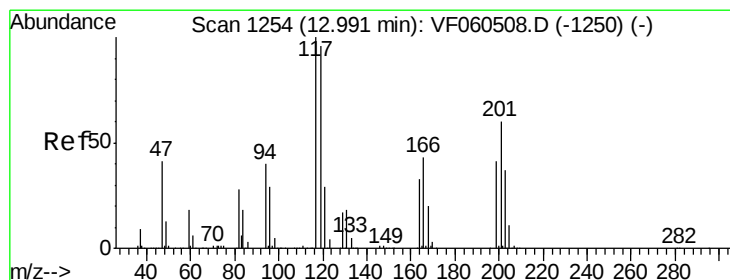
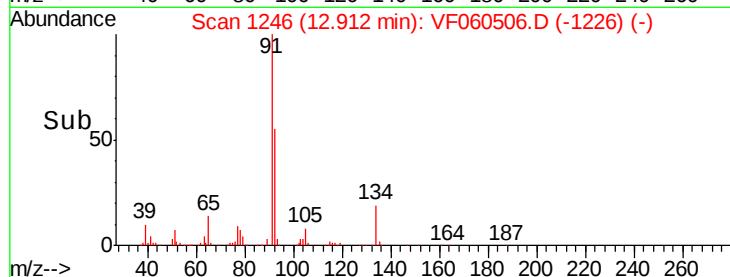
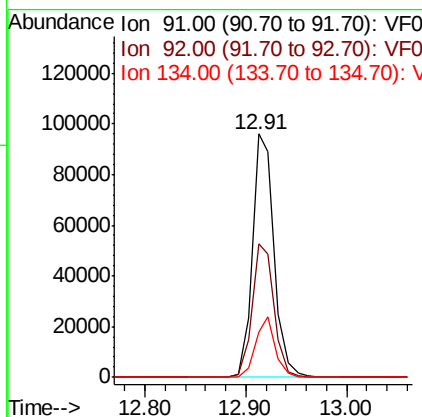
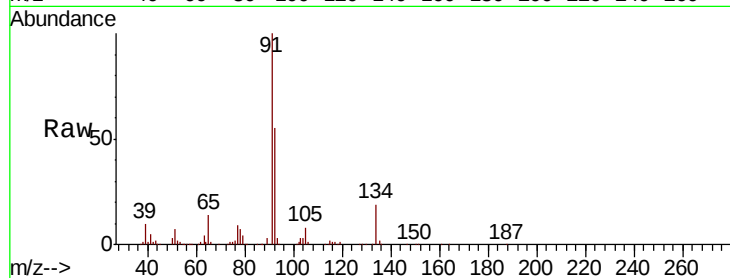




#89
n-Butylbenzene
Concen: 13.483 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF060506.D
Acq: 25 Oct 2018 14:36

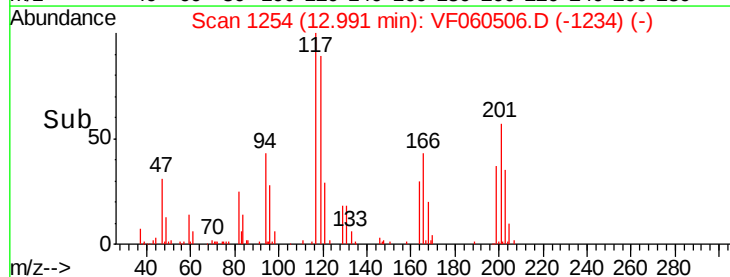
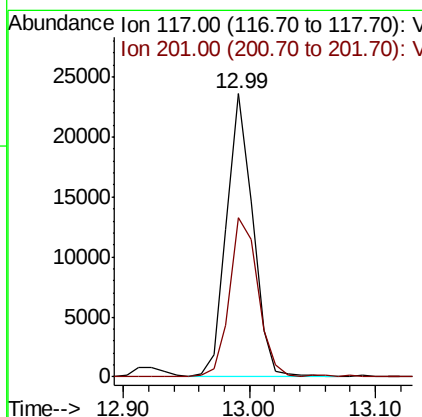
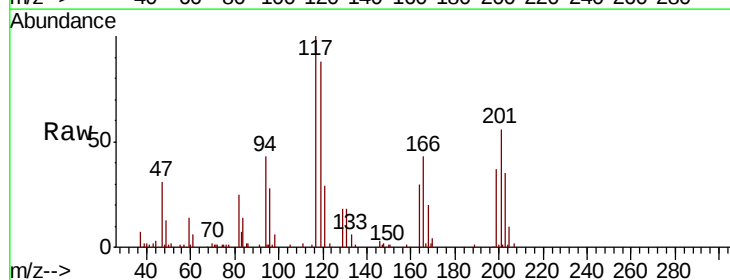
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ClientSampleId :
VSTDIC010

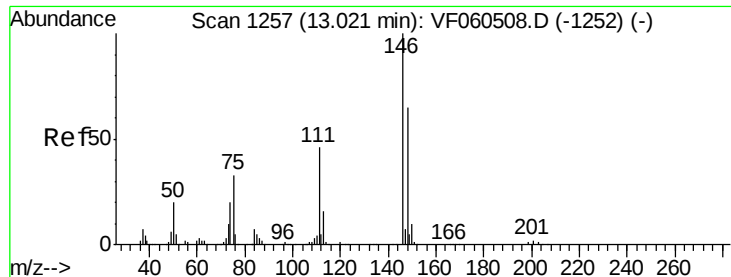
Tgt Ion: 91 Resp: 144554
Ion Ratio Lower Upper
91 100
92 54.7 29.8 89.3
134 18.8 10.9 32.7



#90
Hexachloroethane
Concen: 13.902 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VF060506.D
Acq: 25 Oct 2018 14:36

Tgt Ion: 117 Resp: 34059
Ion Ratio Lower Upper
117 100
201 57.3 30.1 90.5

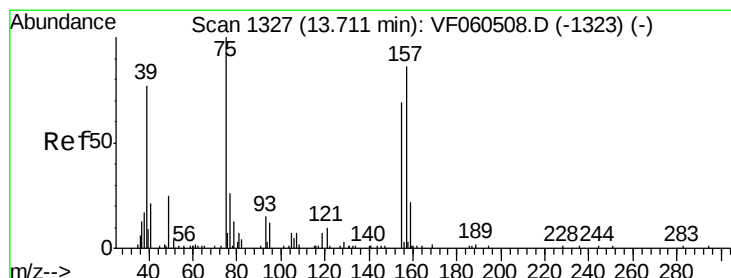
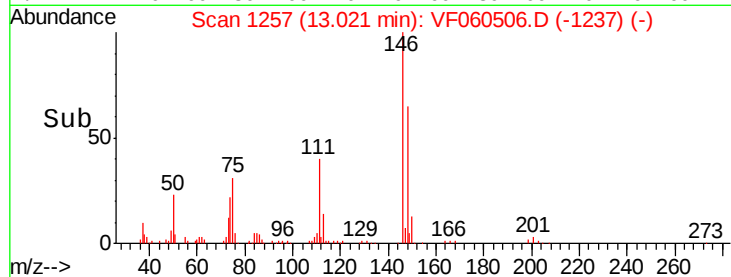
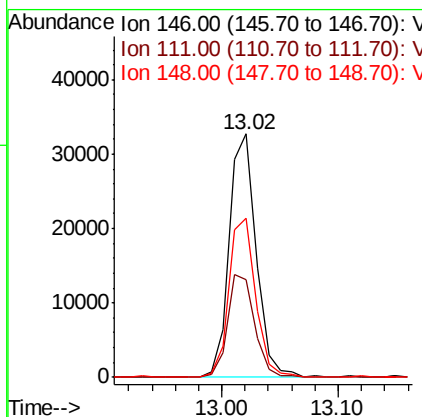
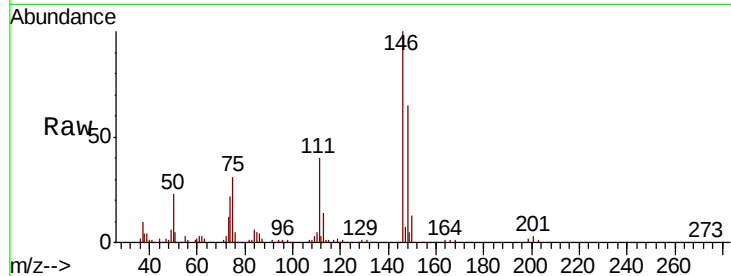




#91
 1,2-Dichlorobenzene
 Concen: 11.812 ug/l
 RT: 13.02 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VF060506.D
 Acq: 25 Oct 2018 14:36

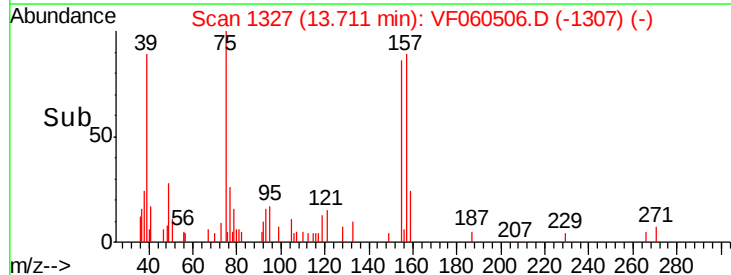
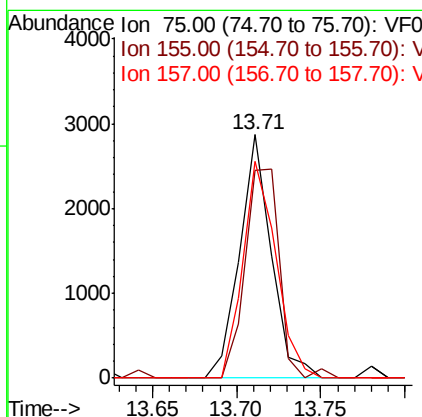
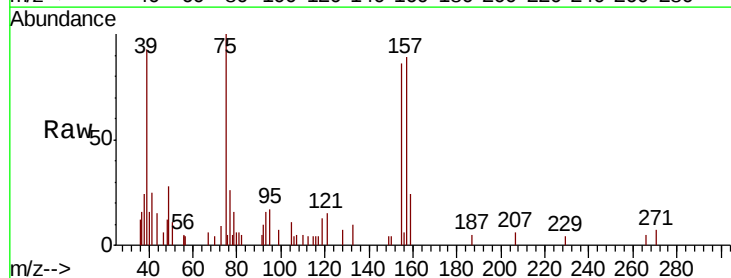
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

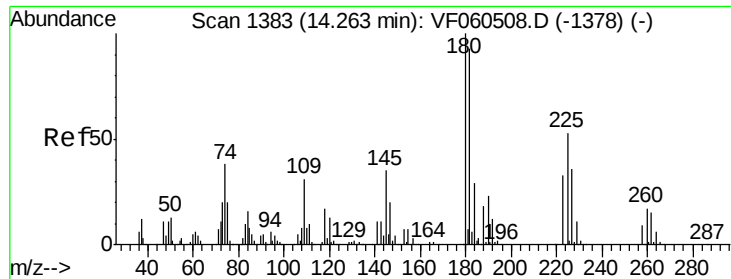
Tgt Ion:146 Resp: 52519
 Ion Ratio Lower Upper
 146 100
 111 40.1 22.8 68.4
 148 65.1 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.641 ug/l
 RT: 13.71 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VF060506.D
 Acq: 25 Oct 2018 14:36

Tgt Ion: 75 Resp: 3753
 Ion Ratio Lower Upper
 75 100
 155 85.6 34.7 104.1
 157 88.9 42.9 128.5

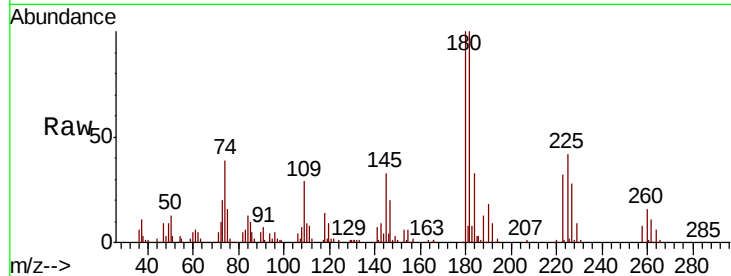




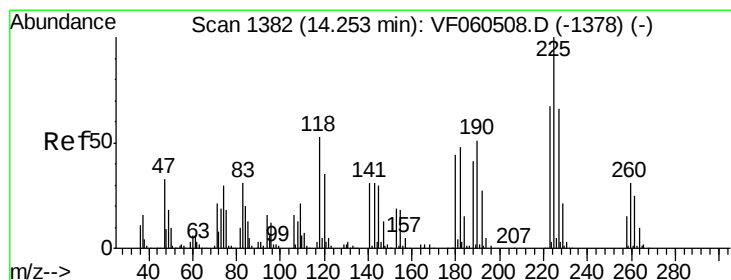
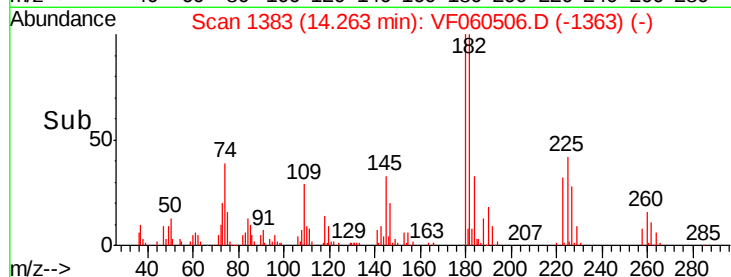
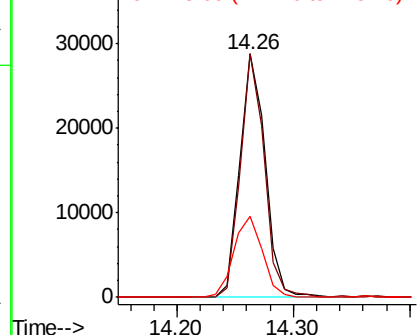
#93
 1,2,4-Trichlorobenzene
 Concen: 12.754 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060506.D
 Acq: 25 Oct 2018 14:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tgt Ion:180 Resp: 43791
 Ion Ratio Lower Upper
 180 100
 182 100.1 46.7 140.0
 145 33.2 17.3 52.0

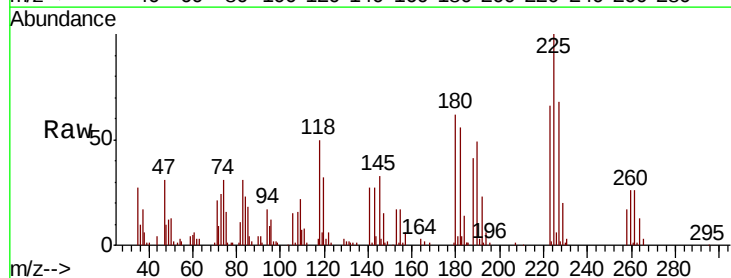


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

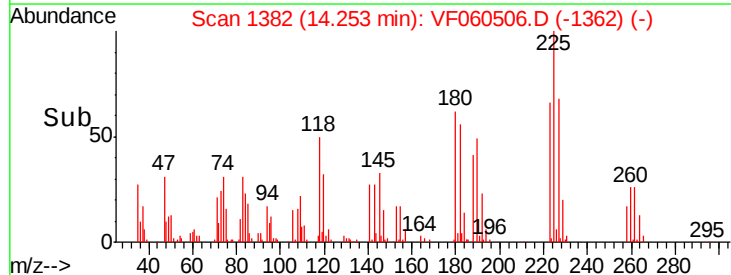
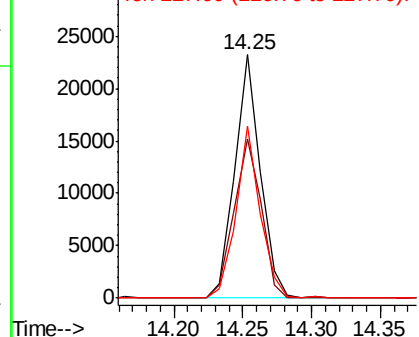


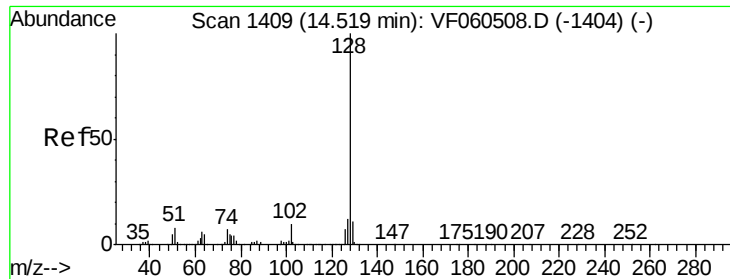
#94
 Hexachlorobutadiene
 Concen: 12.871 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VF060506.D
 Acq: 25 Oct 2018 14:36

Tgt Ion:225 Resp: 30047
 Ion Ratio Lower Upper
 225 100
 223 65.6 33.4 100.2
 227 70.4 32.9 98.6



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

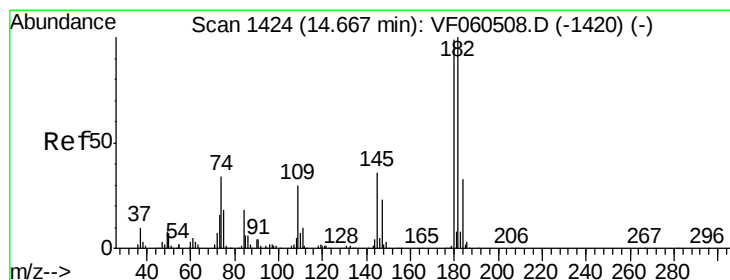
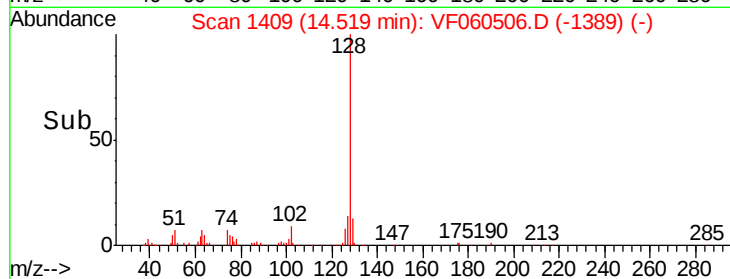
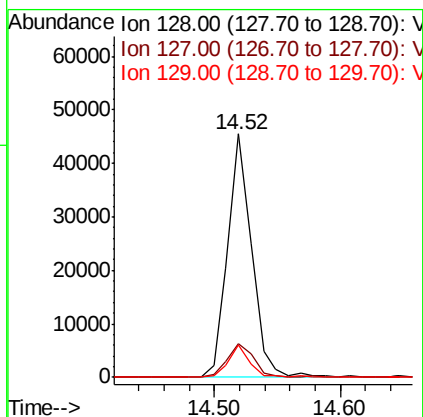
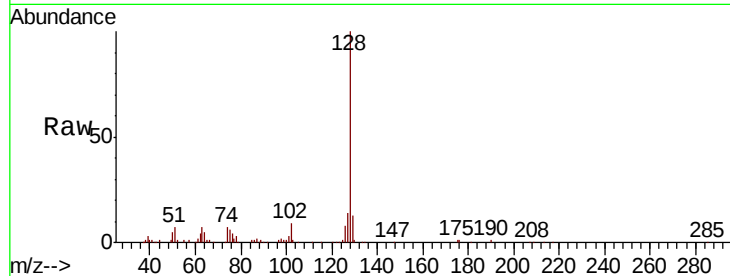




#95
Naphthalene
Concen: 10.161 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.00 min
Lab File: VF060506.D
Acq: 25 Oct 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 59976
Ion Ratio Lower Upper
128 100
127 13.7 10.0 15.0
129 13.5 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 12.029 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. 0.00 min
Lab File: VF060506.D
Acq: 25 Oct 2018 14:36

Tgt Ion:180 Resp: 38479
Ion Ratio Lower Upper
180 100
182 95.0 50.7 152.1
145 39.4 18.1 54.4

