

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120718\
 Data File : VF060936.D
 Acq On : 7 Dec 2018 18:07
 Operator : VA/AP
 Sample : VF1207SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBSD01

Quant Time: Dec 08 01:56:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	175806	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	5.58	114	297563	50.00	ug/l	-0.06
63) Chlorobenzene-d5	9.76	117	301777	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.54	152	152051	50.00	ug/l	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	123675	59.72	ug/l	-0.06
Spiked Amount			Recovery	=	119.44%	
35) Dibromofluoromethane	4.09	113	132187	56.00	ug/l	-0.06
Spiked Amount			Recovery	=	112.00%	
50) Toluene-d8	7.53	98	351644	50.57	ug/l	-0.06
Spiked Amount			Recovery	=	101.14%	
62) 4-Bromofluorobenzene	11.40	95	170636	53.99	ug/l	-0.04
Spiked Amount			Recovery	=	107.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	58381	22.209	ug/l	98
3) Chloromethane	1.11	50	37106	21.693	ug/l	100
4) Vinyl Chloride	1.13	62	36211	22.695	ug/l	90
5) Bromomethane	1.33	94	26906	23.915	ug/l	99
6) Chloroethane	1.41	64	15735	22.814	ug/l	100
7) Trichlorofluoromethane	1.42	101	12407	3.624	ug/l	84
8) Diethyl Ether	1.63	74	10926	22.195	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.83	101	42764	24.709	ug/l	93
10) Methyl Iodide	1.90	142	49556	18.838	ug/l	96
11) Tert butyl alcohol	2.56	59	9394	110.651	ug/l	95
12) 1,1-Dichloroethene	1.79	96	31539	22.657	ug/l	81
13) Acrolein	1.99	56	5972	74.244	ug/l	89
14) Allyl chloride	2.08	41	36106	20.810	ug/l	98
15) Acrylonitrile	2.93	53	21972	115.439	ug/l #	91
16) Acetone	2.23	43	48840	127.882	ug/l	99
17) Carbon Disulfide	1.83	76	66872	17.916	ug/l	100
18) Methyl Acetate	2.34	43	19686	30.066	ug/l	95
19) Methyl tert-butyl Ether	2.42	73	72867	23.241	ug/l	100
20) Methylene Chloride	2.25	84	23779	16.972	ug/l	95
21) trans-1,2-Dichloroethene	2.30	96	22900	17.064	ug/l	86
22) Diisopropyl ether	2.79	45	110096	23.312	ug/l	98
23) Vinyl Acetate	3.17	43	274938	127.354	ug/l	98
24) 1,1-Dichloroethane	2.86	63	67621	24.065	ug/l	98
25) 2-Butanone	4.32	43	78678	119.105	ug/l	95
26) 2,2-Dichloropropane	3.58	77	40271	22.106	ug/l	100
27) cis-1,2-Dichloroethene	3.46	96	51840	23.727	ug/l	95
28) Bromochloromethane	3.70	49	35030	25.976	ug/l	90
29) Tetrahydrofuran	4.05	42	30491	108.893	ug/l	98
30) Chloroform	3.85	83	100240	23.179	ug/l	90
31) Cyclohexane	3.67	56	38935	13.352	ug/l	89
32) 1,1,1-Trichloroethane	4.07	97	59762	19.926	ug/l	91
36) 1,1-Dichloropropene	4.26	75	75421	22.852	ug/l	94
37) Ethyl Acetate	4.09	43	29581	22.055	ug/l #	90
38) Carbon Tetrachloride	3.96	117	59161	20.294	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	68794	19.889	ug/l	94
40) Benzene	4.61	78	163412	22.412	ug/l	98
41) Methacrylonitrile	4.73	41	15732	20.355	ug/l	92
42) 1,2-Dichloroethane	4.92	62	59858	22.487	ug/l	97
43) Isopropyl Acetate	6.95	43	41366	23.559	ug/l #	86
44) Trichloroethene	5.48	130	51973	21.800	ug/l	98
45) 1,2-Dichloropropane	6.21	63	41518	21.925	ug/l	100
46) Dibromomethane	6.07	93	28375	22.089	ug/l	94
47) Bromodichloromethane	6.37	83	78029	22.870	ug/l	91
48) Methyl methacrylate	6.71	41	25579	21.069	ug/l	96
49) 1,4-Dioxane	6.70	88	4030	453.564	ug/l #	92
51) 4-Methyl-2-Pentanone	8.25	43	139162	112.516	ug/l	100
52) Toluene	7.60	92	103943	20.295	ug/l	96
53) t-1,3-Dichloropropene	8.26	75	63137	22.750	ug/l	97
54) cis-1,3-Dichloropropene	7.29	75	78679	22.900	ug/l	94
55) 1,1,2-Trichloroethane	8.47	97	33526	22.465	ug/l	94
56) Ethyl methacrylate	8.60	69	36648	22.106	ug/l	97
57) 1,3-Dichloropropane	8.84	76	58460	22.390	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.28	63	28477	167.935	ug/l	96
59) 2-Hexanone	9.48	43	94165	108.522	ug/l	97
60) Dibromochloromethane	8.70	129	47462	21.345	ug/l	99
61) 1,2-Dibromoethane	8.97	107	35106	21.775	ug/l	100
64) Tetrachloroethene	8.14	164	45709	19.831	ug/l	97
65) Chlorobenzene	9.78	112	127271	21.679	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.91	131	51610	20.449	ug/l	93
67) Ethyl Benzene	9.88	91	235743	21.569	ug/l	96
68) m/p-Xylenes	10.11	106	168374	42.833	ug/l	94
69) o-Xylene	10.70	106	91249	21.051	ug/l	93
70) Styrene	10.78	104	116628	19.410	ug/l	97
71) Bromoform	10.76	173	24843	20.379	ug/l #	94
73) Isopropylbenzene	11.12	105	282167	23.483	ug/l	99
74) N-amyl acetate	11.36	43	62970	22.695	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	47527	24.033	ug/l	95
76) 1,2,3-Trichloropropane	11.86	75	20179	14.038	ug/l	97
77) Bromobenzene	11.48	156	57161	21.698	ug/l	78
78) n-propylbenzene	11.58	91	322113	22.891	ug/l	98
79) 2-Chlorotoluene	11.71	91	190974	23.669	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	229192	23.496	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.86	75	20179	28.652	ug/l	95
82) 4-Chlorotoluene	11.88	91	193155	22.748	ug/l	98
83) tert-Butylbenzene	12.12	119	230168	23.164	ug/l	100
84) 1,2,4-Trimethylbenzene	12.19	105	221667	22.769	ug/l	94
85) sec-Butylbenzene	12.30	105	306262	22.515	ug/l	98
86) p-Isopropyltoluene	12.45	119	256539	22.495	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	107415	21.436	ug/l	96
88) 1,4-Dichlorobenzene	12.56	146	104411	21.381	ug/l	96
89) n-Butylbenzene	12.83	91	270778	23.482	ug/l	97
90) Hexachloroethane	12.91	117	62057	22.598	ug/l	74
91) 1,2-Dichlorobenzene	12.93	146	106536	22.451	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8422	22.028	ug/l	85

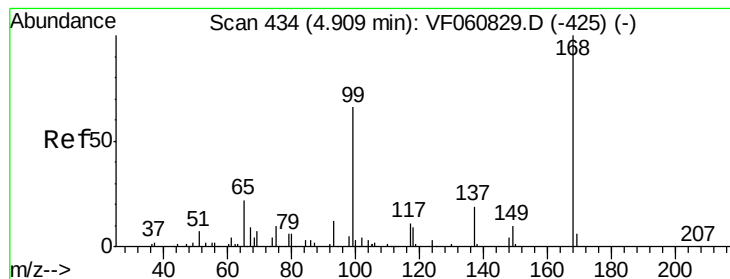
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF120718\
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Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	75538	22.782	ug/l	96
94) Hexachlorobutadiene	14.18	225	48551	21.966	ug/l	99
95) Naphthalene	14.45	128	127214	17.493	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	70429	22.877	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.06 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

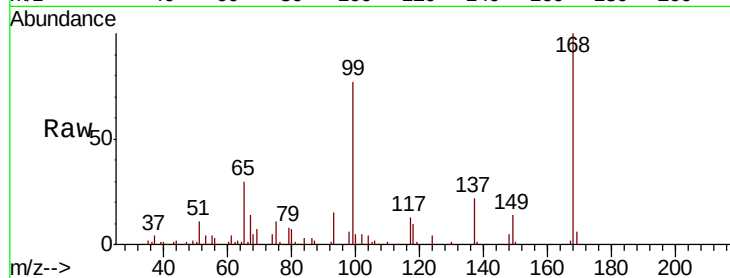
VF1207SBS01

Tot Ion:168 Resp: 175806

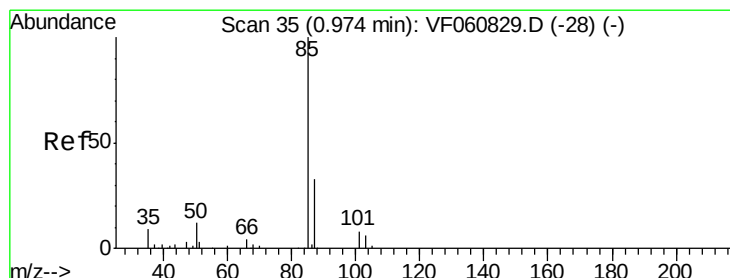
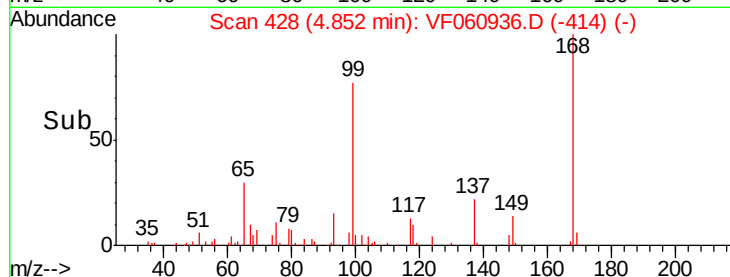
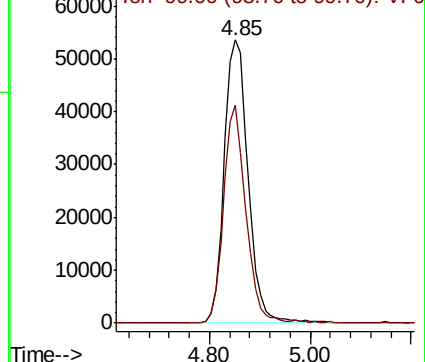
Ion Ratio Lower Upper

168 100

99 77.0 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 22.209 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.02 min

Lab File: VF060936.D

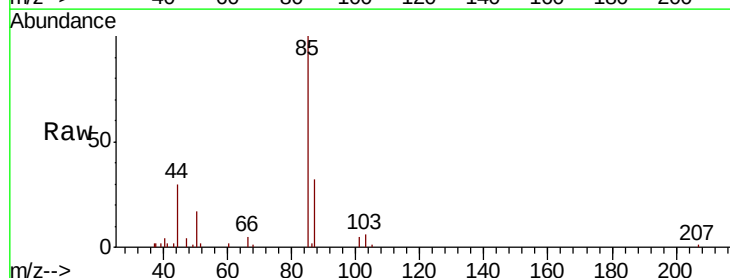
Acq: 7 Dec 2018 18:07

Tgt Ion: 85 Resp: 58381

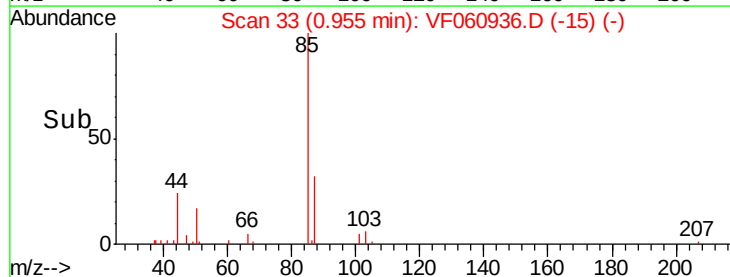
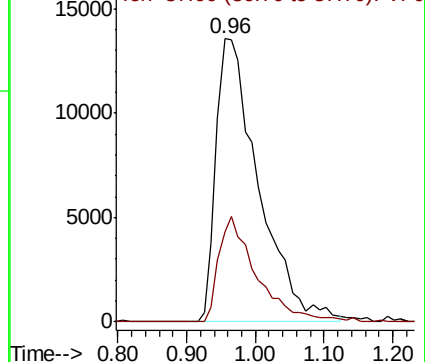
Ion Ratio Lower Upper

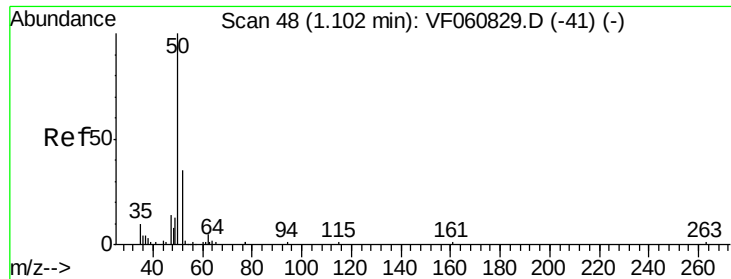
85 100

87 32.0 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 21.693 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

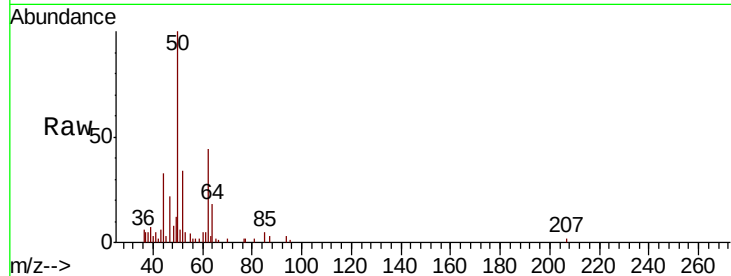
VF1207SBSD01

Tot Ion: 50 Resp: 37106

Ion Ratio Lower Upper

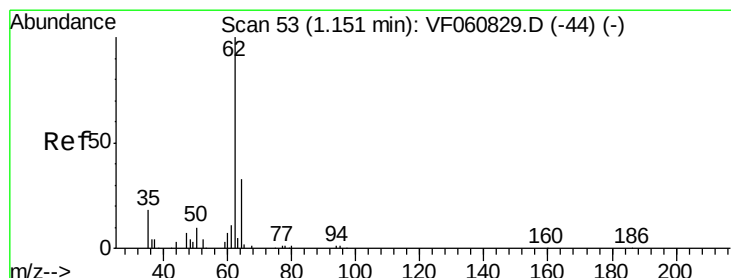
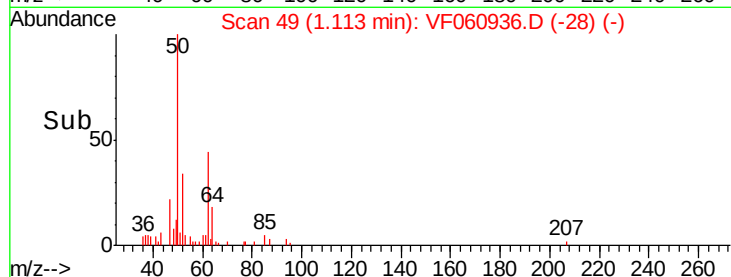
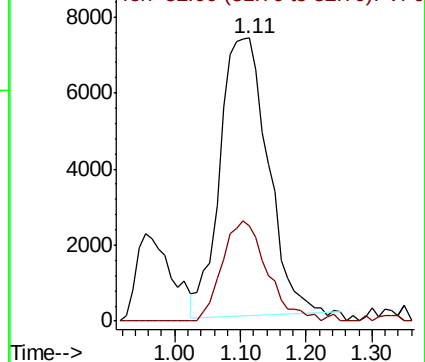
50 100

52 33.8 27.0 40.4



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 22.695 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.02 min

Lab File: VF060936.D

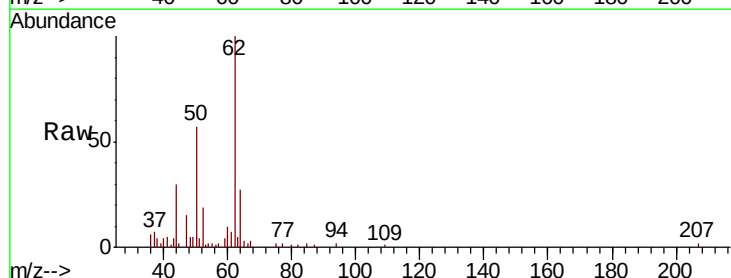
Acq: 7 Dec 2018 18:07

Tgt Ion: 62 Resp: 36211

Ion Ratio Lower Upper

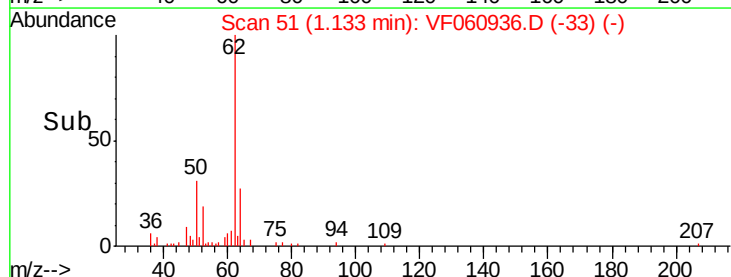
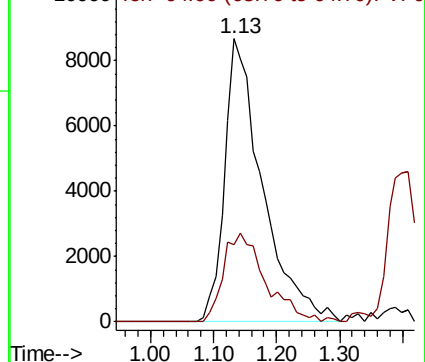
62 100

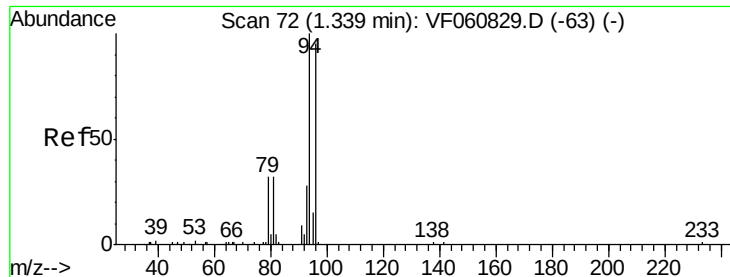
64 27.1 26.4 39.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 23.915 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

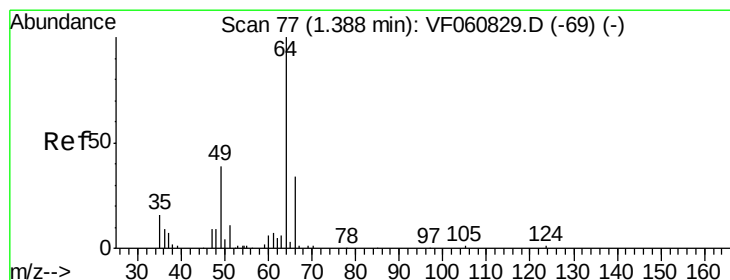
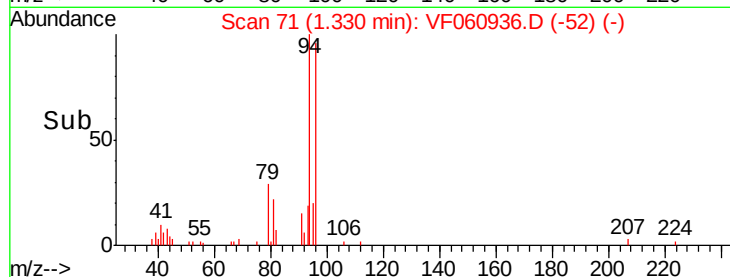
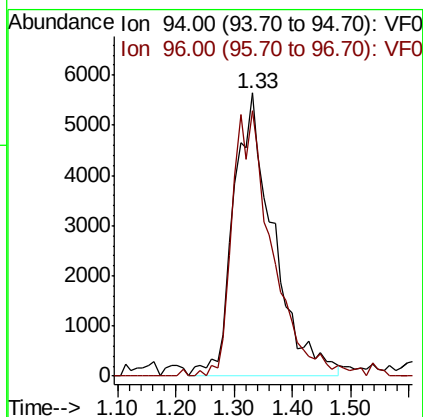
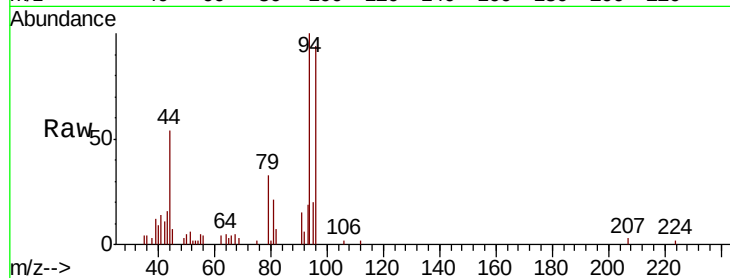
VF1207SBS01

Tot Ion: 94 Resp: 26906

Ion Ratio Lower Upper

94 100

96 93.8 75.9 113.9



#6

Chloroethane

Concen: 22.814 ug/l

RT: 1.41 min Scan# 79

Delta R.T. 0.02 min

Lab File: VF060936.D

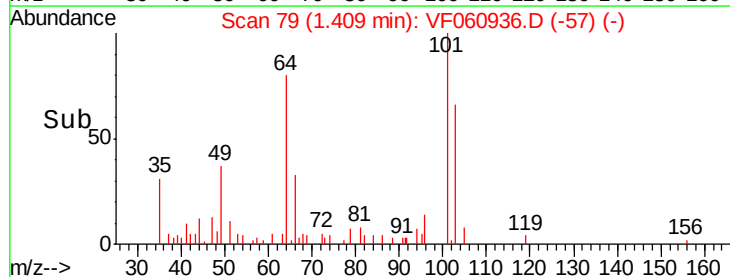
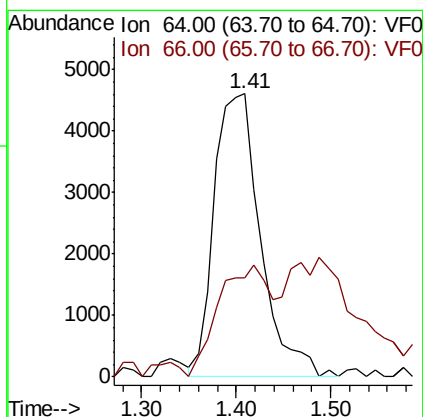
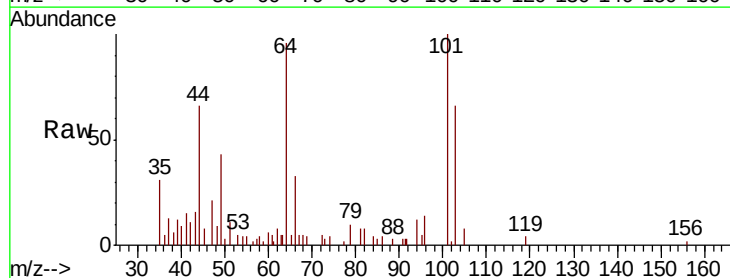
Acq: 7 Dec 2018 18:07

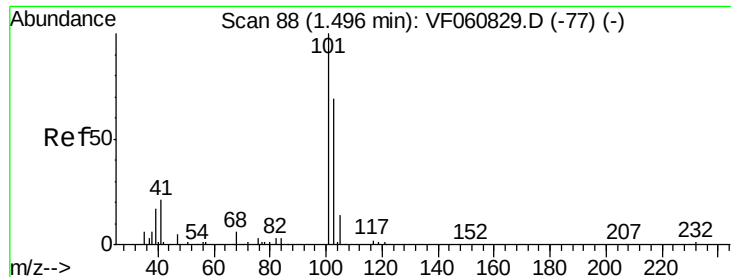
Tgt Ion: 64 Resp: 15735

Ion Ratio Lower Upper

64 100

66 34.8 28.1 42.1





#7

Trichlorofluoromethane

Concen: 3.624 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.08 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

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ClientSampleId :

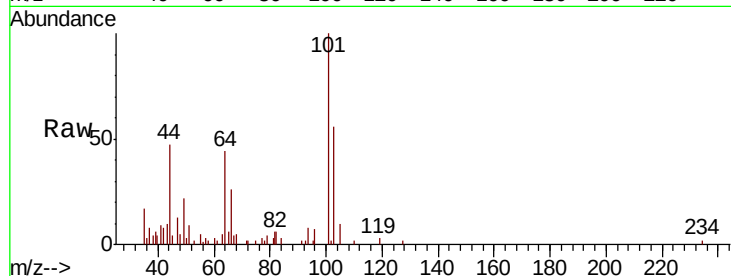
VF1207SBSD01

Tot Ion:101 Resp: 12407

Ion Ratio Lower Upper

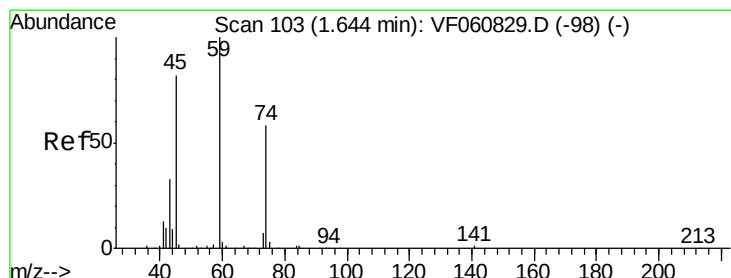
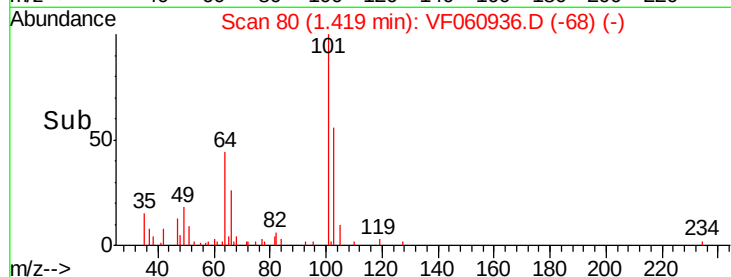
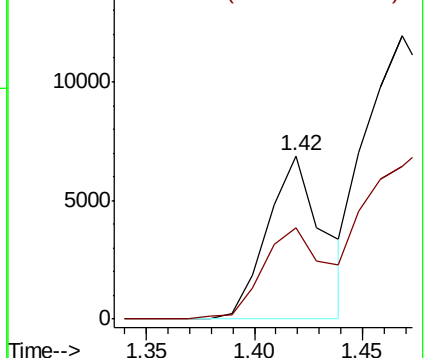
101 100

103 56.3 55.4 83.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 22.195 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.02 min

Lab File: VF060936.D

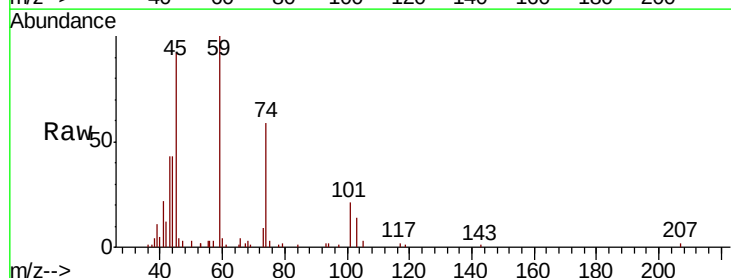
Acq: 7 Dec 2018 18:07

Tgt Ion: 74 Resp: 10926

Ion Ratio Lower Upper

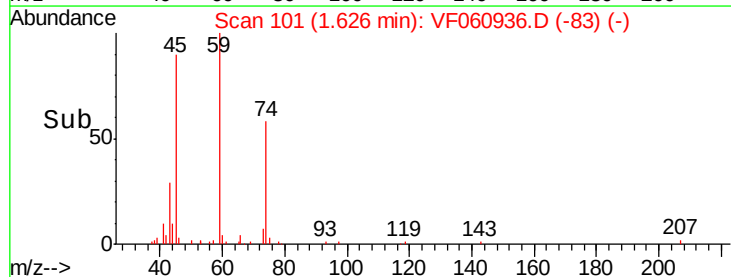
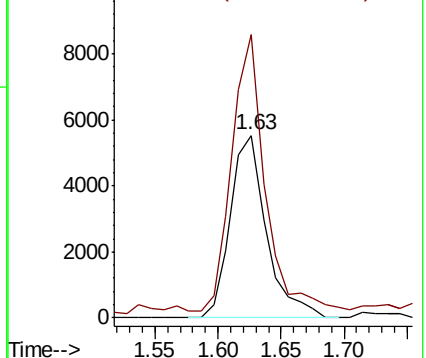
74 100

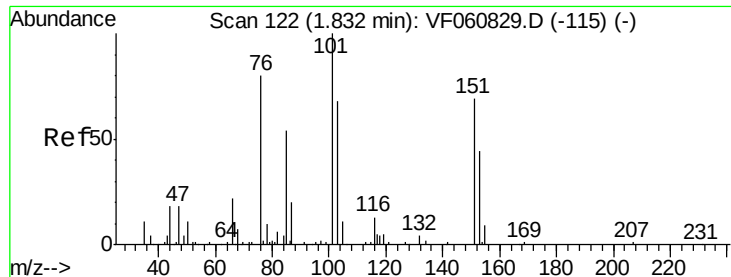
45 155.3 71.0 212.8



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: 24.709 ug/l

RT: 1.83 min Scan# 122

Delta R.T. 0.00 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBSD01

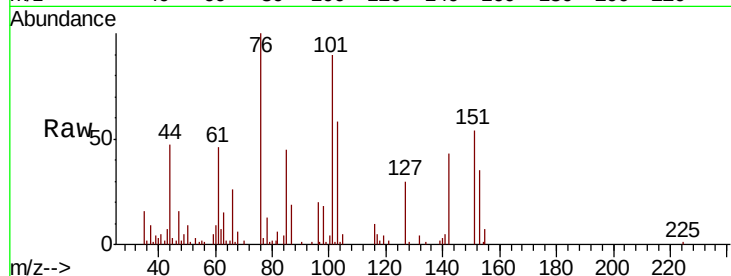
Tot Ion:101 Resp: 42764

Ion Ratio Lower Upper

101 100

85 49.8 42.8 64.2

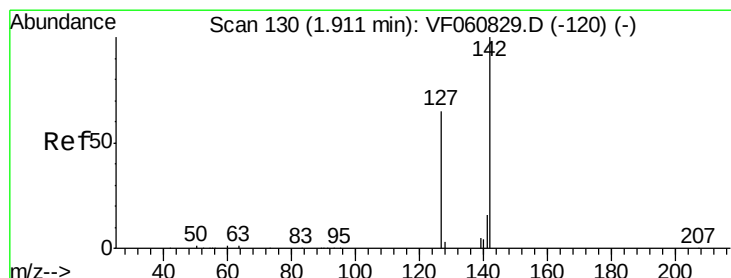
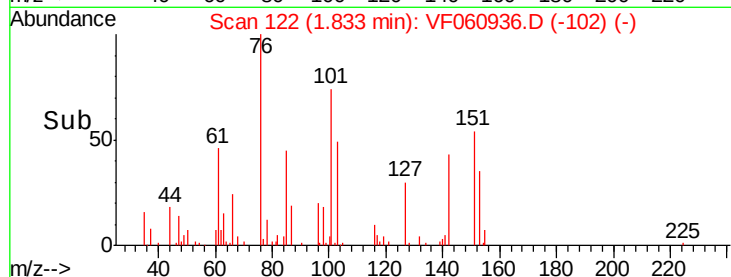
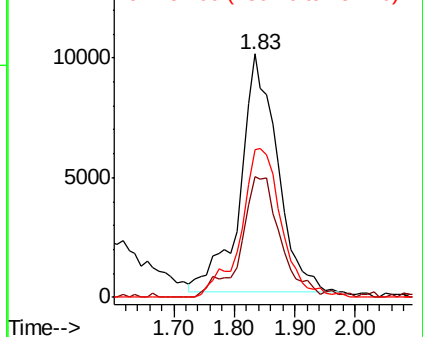
151 60.5 54.4 81.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 18.838 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

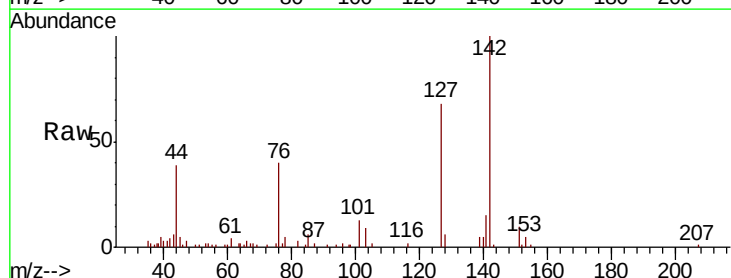
Tgt Ion:142 Resp: 49556

Ion Ratio Lower Upper

142 100

127 68.3 51.9 77.9

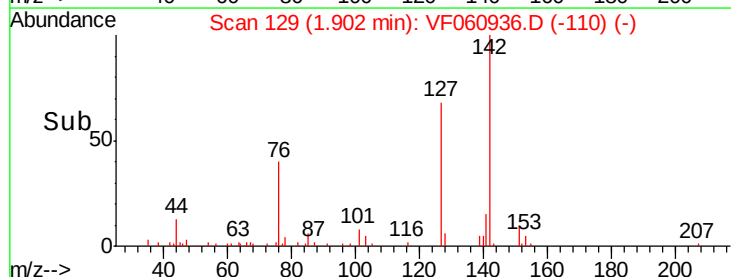
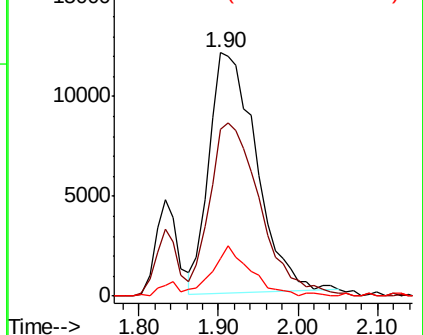
141 15.5 12.7 19.1

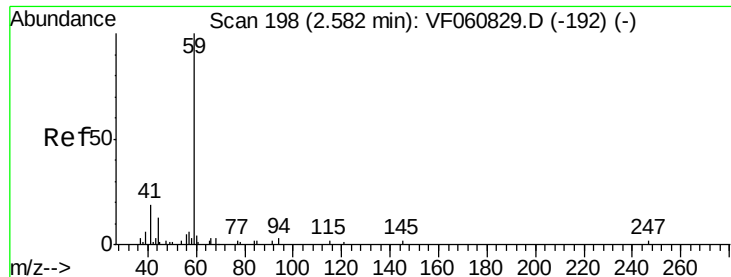


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



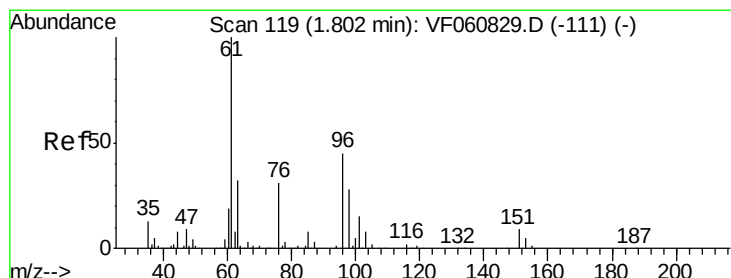
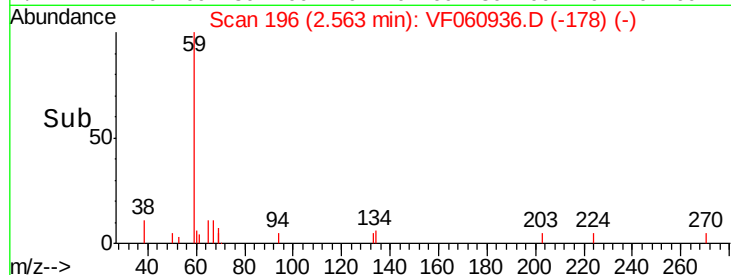
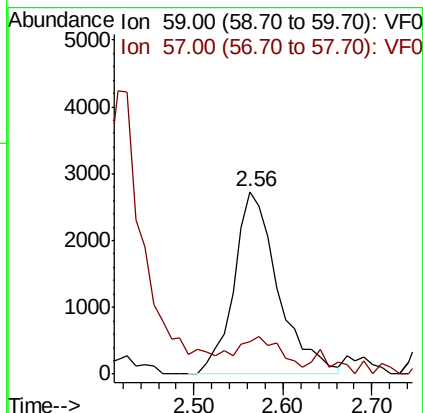
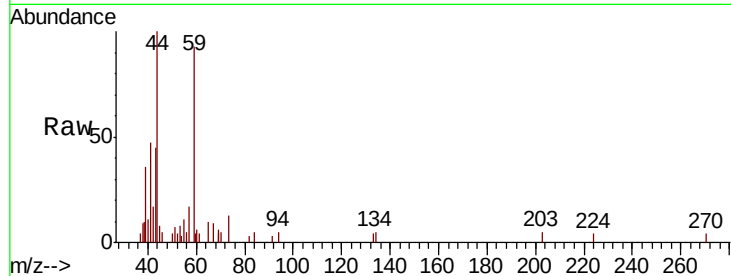


#11

Tert butyl alcohol
 Concen: 110.651 ug/l
 RT: 2.56 min Scan# 196
 Delta R.T. -0.02 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBSD01

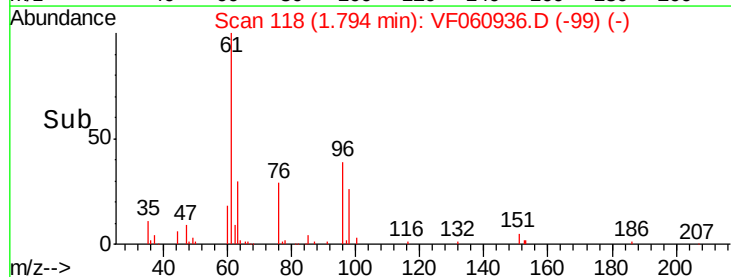
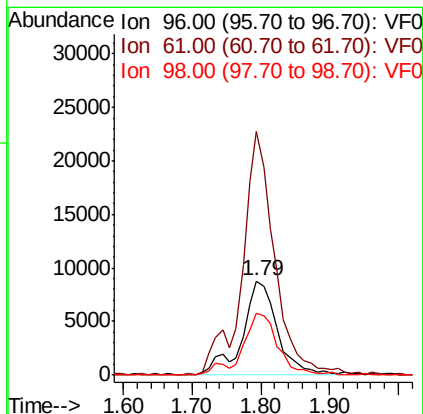
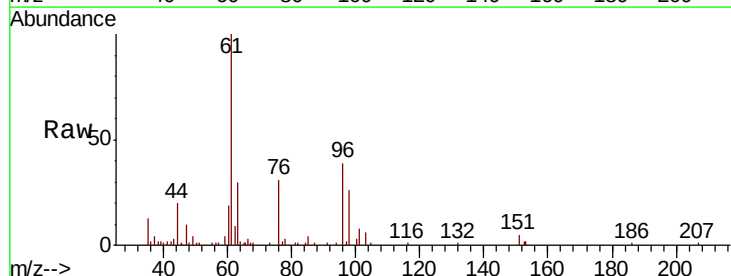
Tot Ion: 59 Resp: 9394
 Ion Ratio Lower Upper
 59 100
 57 18.1 12.7 19.1

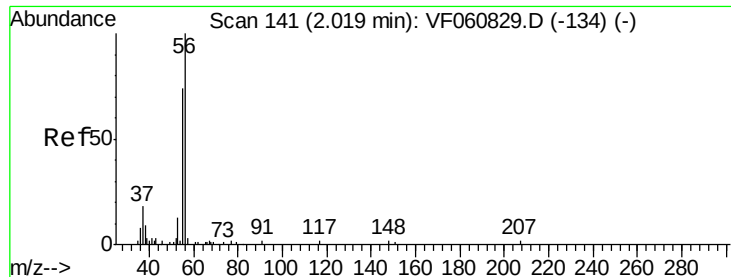


#12

1,1-Dichloroethene
 Concen: 22.657 ug/l
 RT: 1.79 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Tgt Ion: 96 Resp: 31539
 Ion Ratio Lower Upper
 96 100
 61 258.0 177.3 265.9
 98 66.2 49.6 74.4





#13

Acrolein

Concen: 74.244 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.03 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

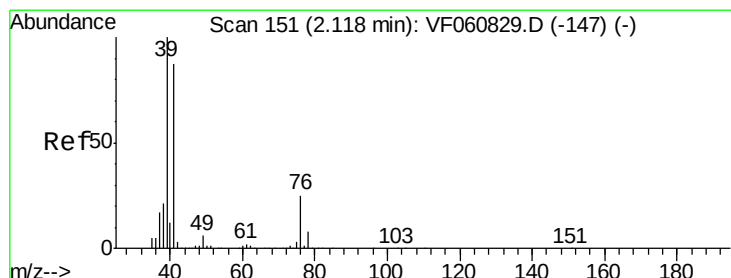
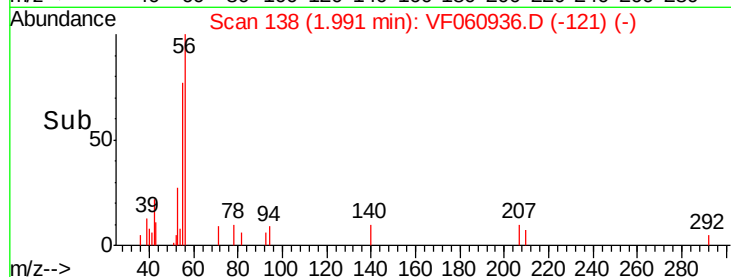
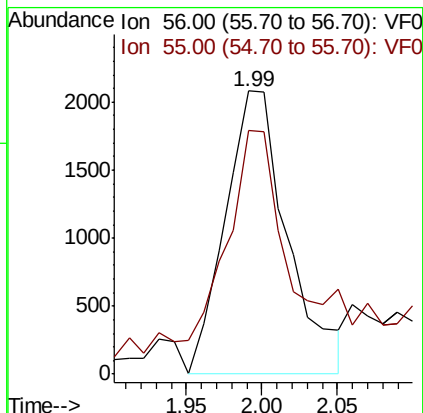
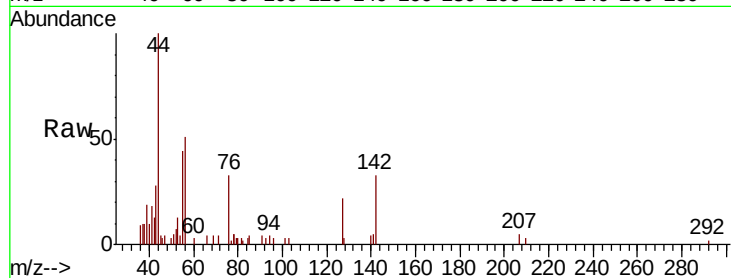
VF1207SBSD01

Tot Ion: 56 Resp: 5972

Ion Ratio Lower Upper

56 100

55 86.2 61.2 91.8



#14

Allyl chloride

Concen: 20.810 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.04 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

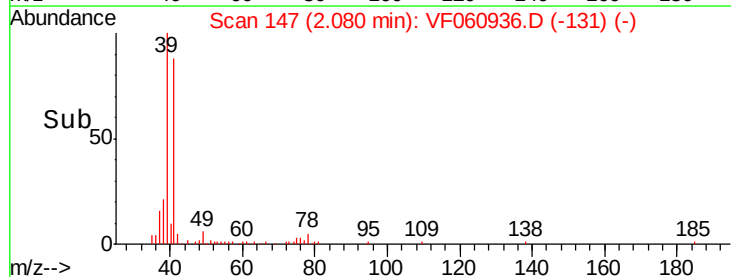
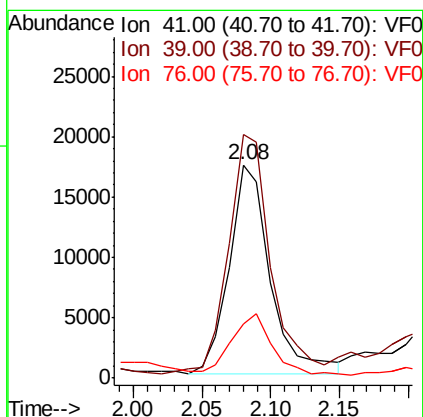
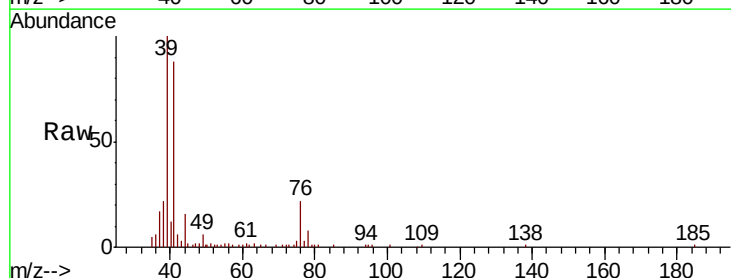
Tgt Ion: 41 Resp: 36106

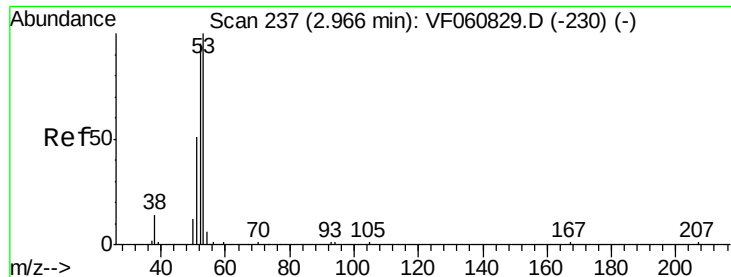
Ion Ratio Lower Upper

41 100

39 114.1 91.7 137.5

76 25.5 23.5 35.3





#15

Acrylonitrile

Concen: 115.439 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.04 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

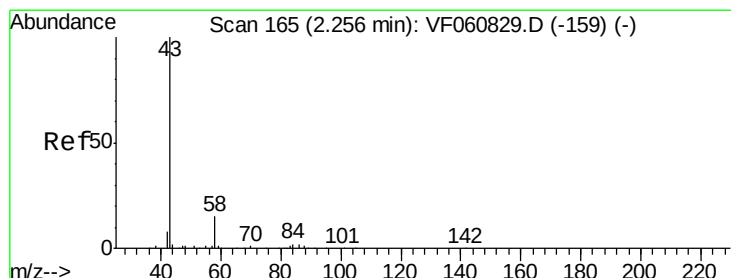
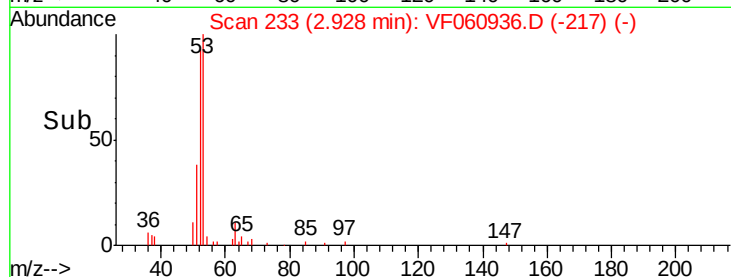
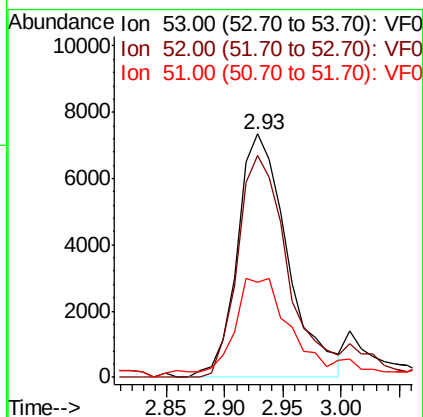
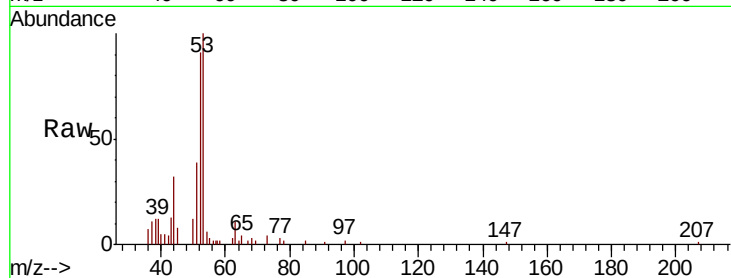
Tot Ion: 53 Resp: 21972

Ion Ratio Lower Upper

53 100

52 91.0 76.5 114.7

51 39.3 40.7 61.1#



#16

Acetone

Concen: 127.882 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.03 min

Lab File: VF060936.D

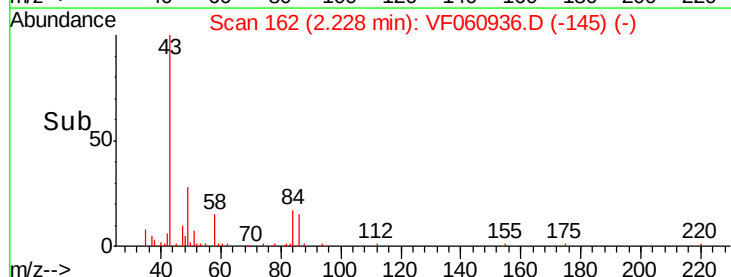
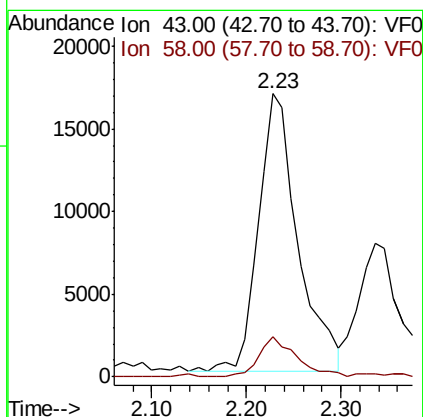
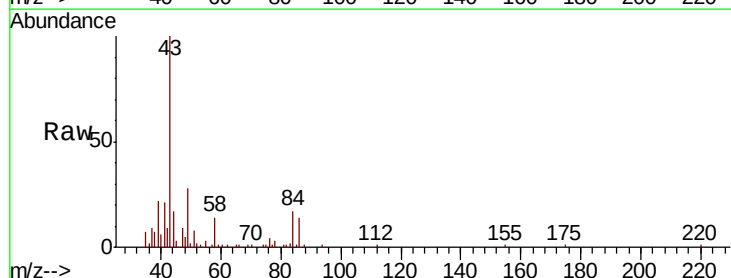
Acq: 7 Dec 2018 18:07

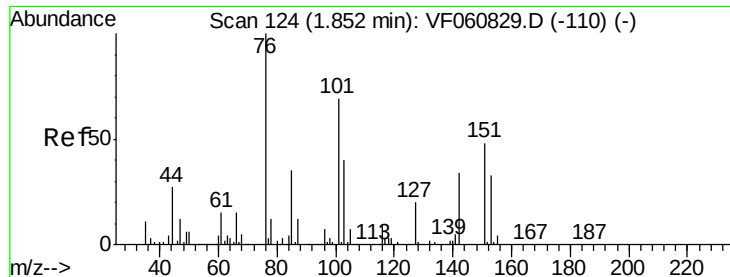
Tgt Ion: 43 Resp: 48840

Ion Ratio Lower Upper

43 100

58 14.0 11.4 17.2





#17

Carbon Disulfide

Concen: 17.916 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.02 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

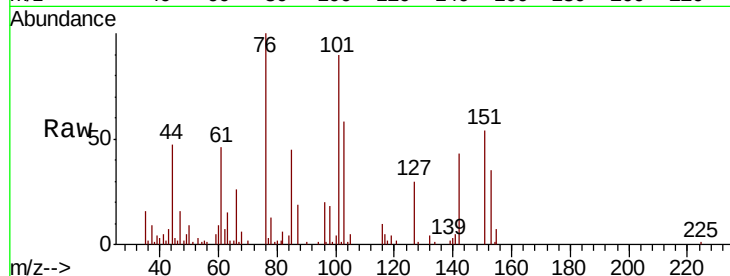
VF1207SBS01

Tot Ion: 76 Resp: 66872

Ion Ratio Lower Upper

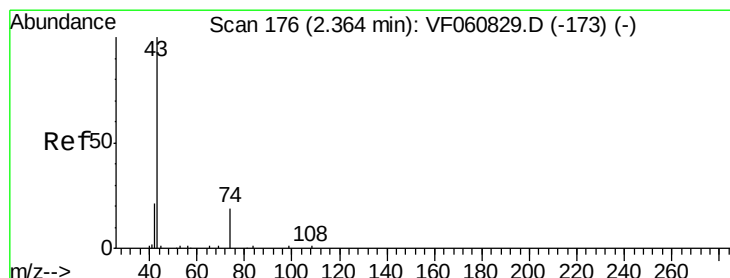
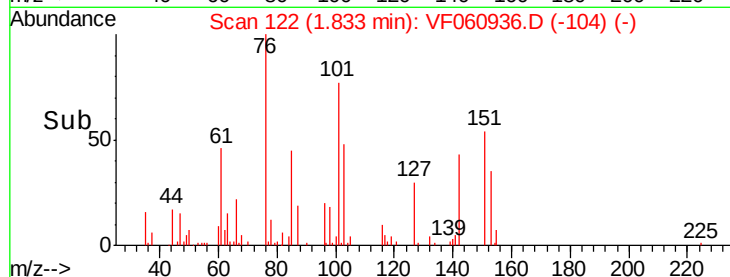
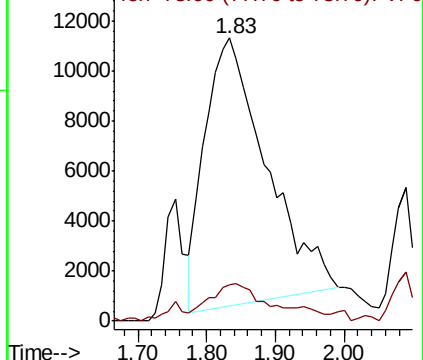
76 100

78 12.8 10.2 15.2



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 30.066 ug/l

RT: 2.34 min Scan# 173

Delta R.T. -0.03 min

Lab File: VF060936.D

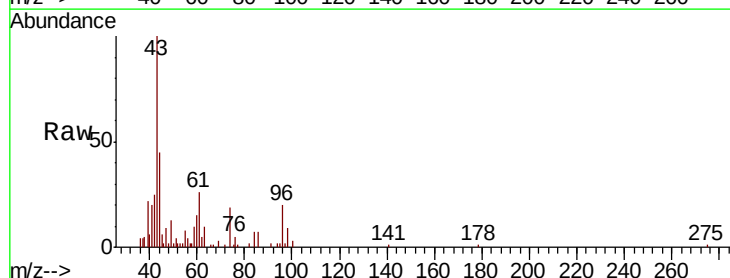
Acq: 7 Dec 2018 18:07

Tgt Ion: 43 Resp: 19686

Ion Ratio Lower Upper

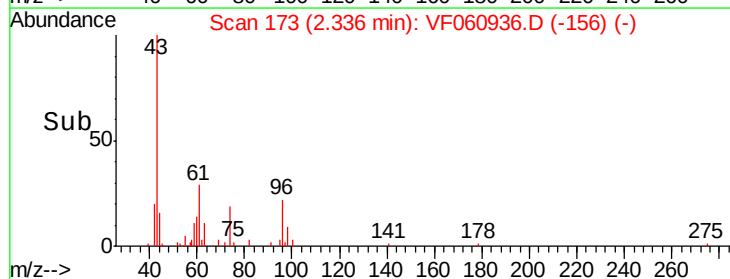
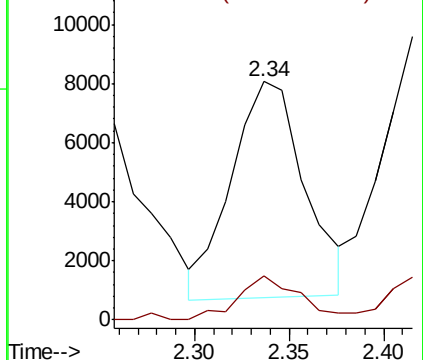
43 100

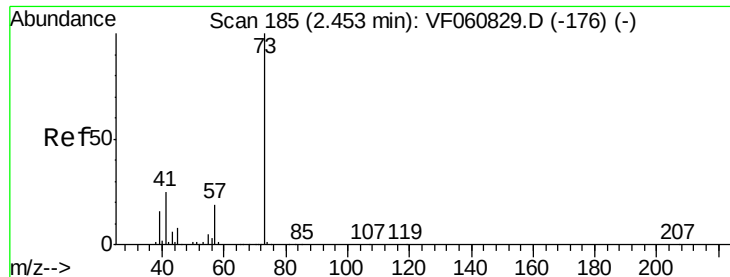
74 18.5 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



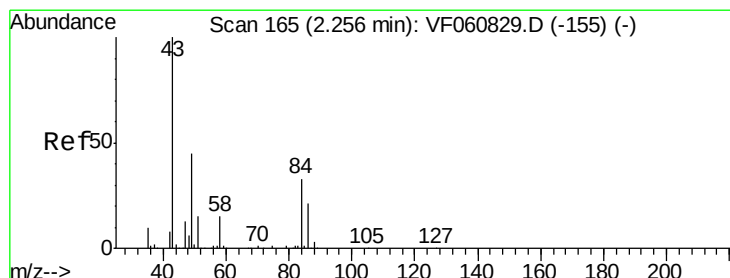
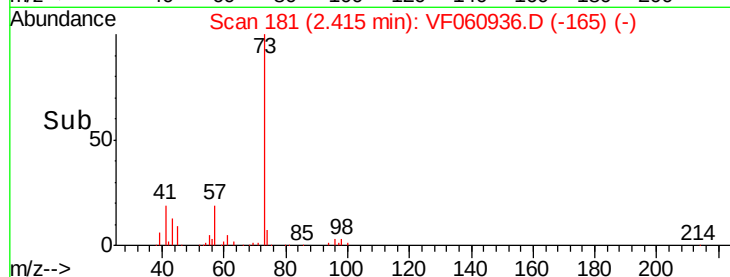
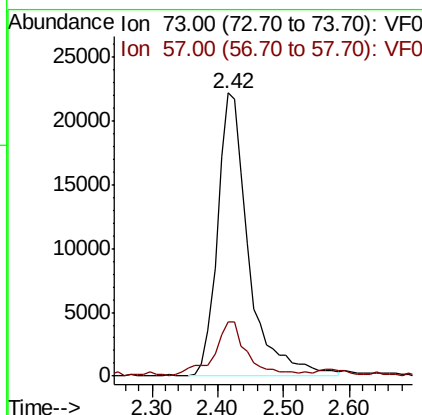
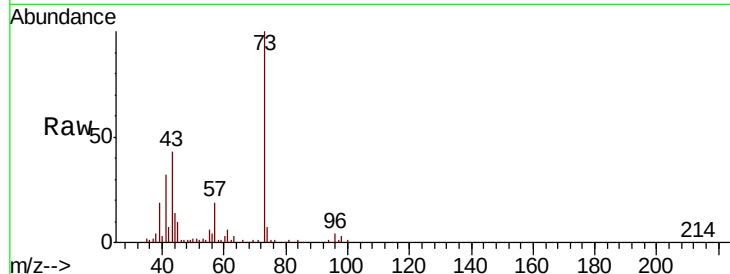


#19

Methyl tert-butyl Ether
 Concen: 23.241 ug/l
 RT: 2.42 min Scan# 181
 Delta R.T. -0.04 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBS01

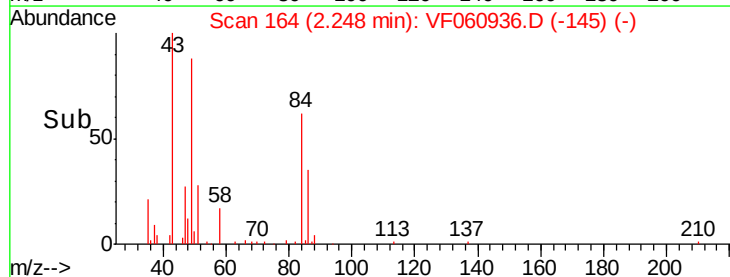
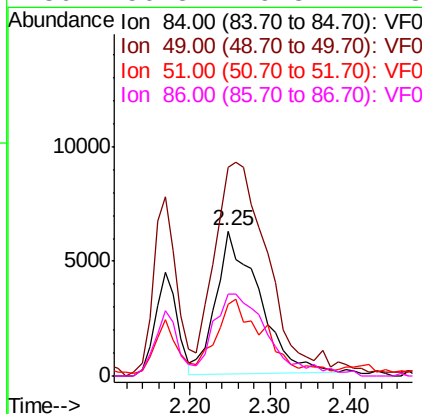
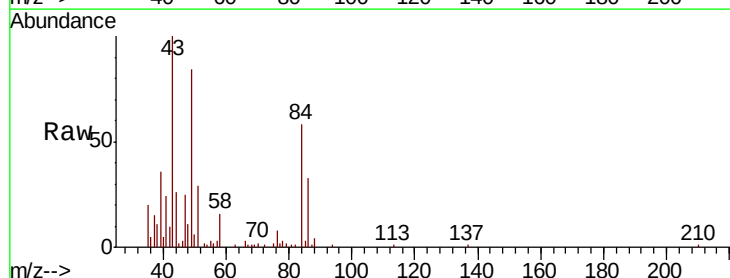
Tot Ion: 73 Resp: 72867
 Ion Ratio Lower Upper
 73 100
 57 19.1 15.3 22.9

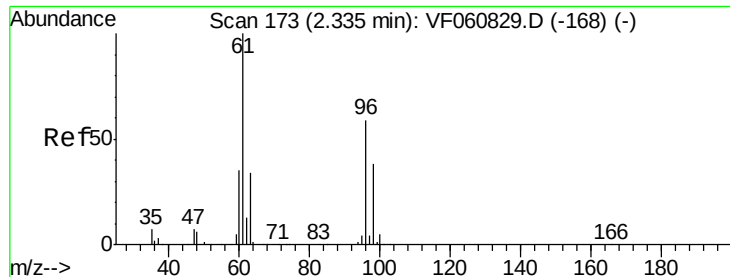


#20

Methylene Chloride
 Concen: 16.972 ug/l
 RT: 2.25 min Scan# 164
 Delta R.T. -0.01 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Tgt Ion: 84 Resp: 23779
 Ion Ratio Lower Upper
 84 100
 49 143.9 111.3 166.9
 51 49.4 38.0 57.0
 86 56.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 17.064 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.04 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

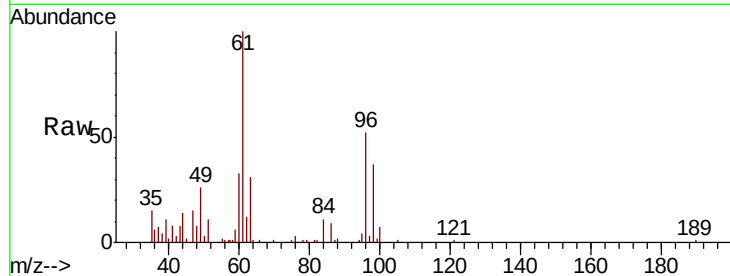
Tot Ion: 96 Resp: 22900

Ion Ratio Lower Upper

96 100

61 190.6 134.5 201.7

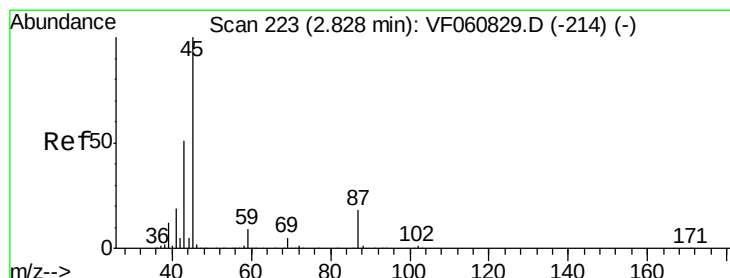
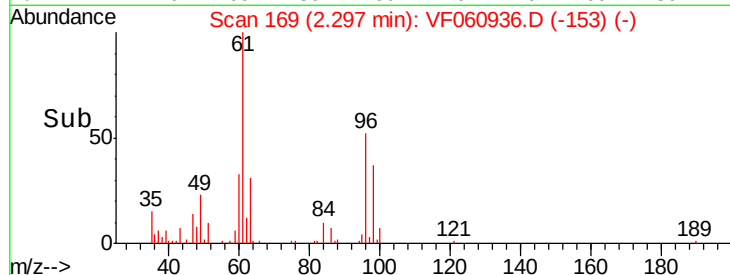
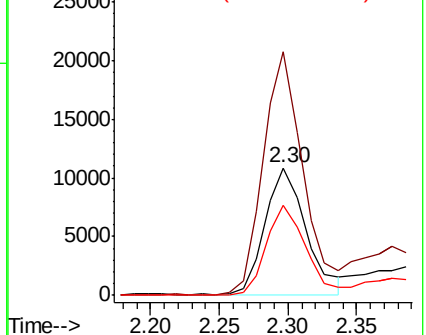
98 70.8 51.6 77.4



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 23.312 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.04 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Tgt Ion: 45 Resp: 110096

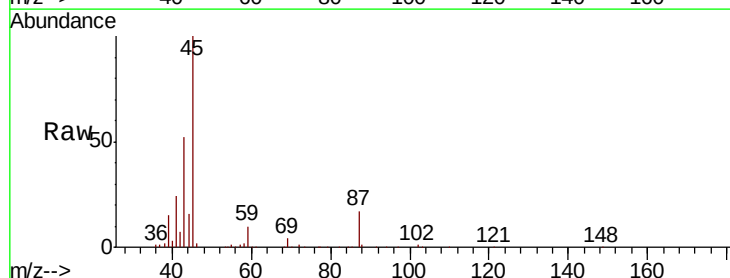
Ion Ratio Lower Upper

45 100

43 52.5 41.0 61.6

87 17.2 14.6 22.0

59 9.9 7.5 11.3

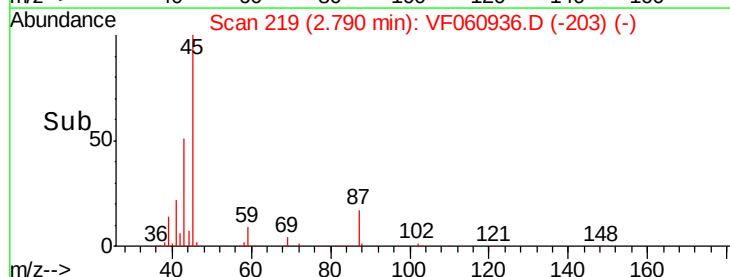
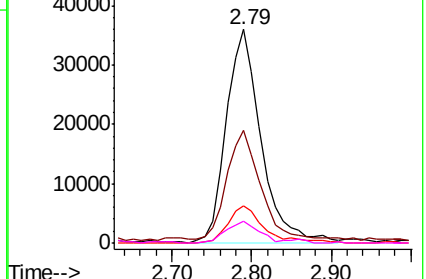


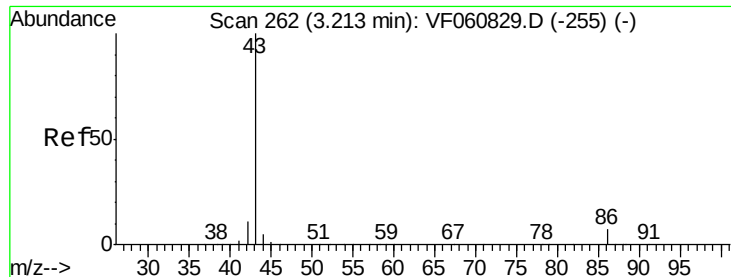
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 127.354 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.04 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

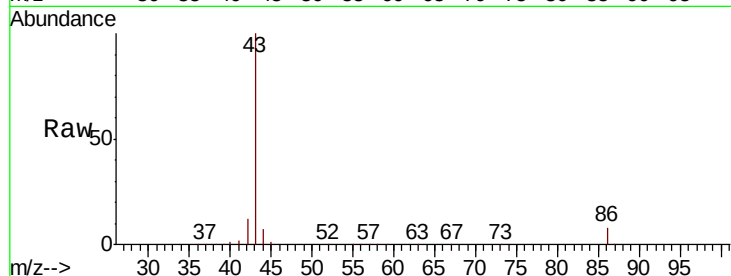
VF1207SBS01

Tot Ion: 43 Resp: 274938

Ion Ratio Lower Upper

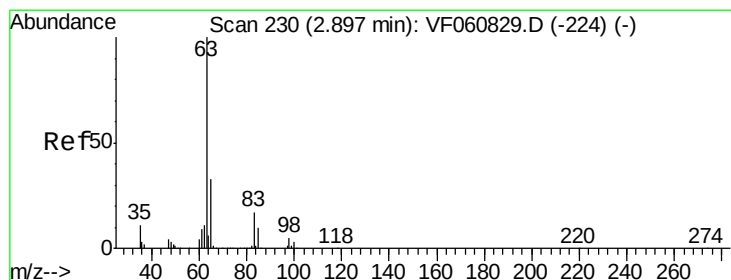
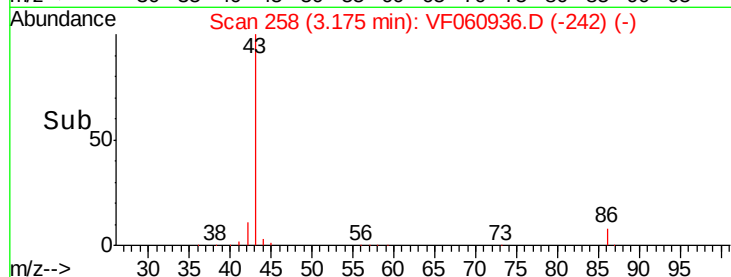
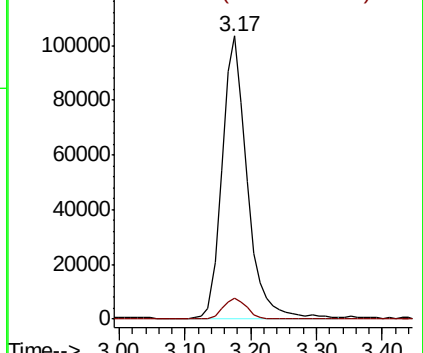
43 100

86 7.5 5.4 8.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 24.065 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.04 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

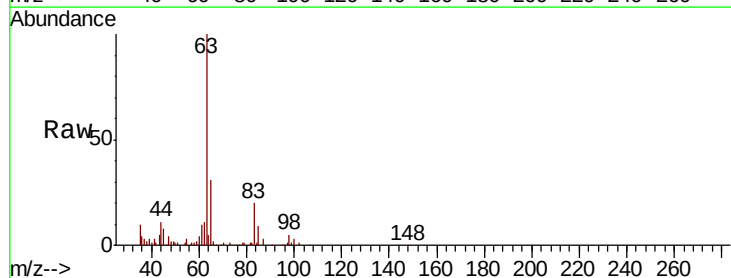
Tgt Ion: 63 Resp: 67621

Ion Ratio Lower Upper

63 100

98 4.7 2.7 8.1

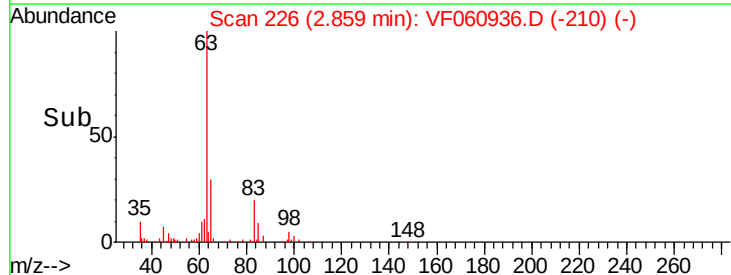
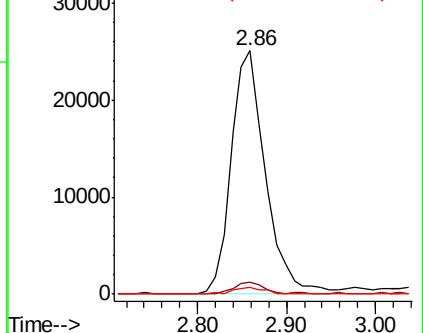
100 2.6 1.5 4.5

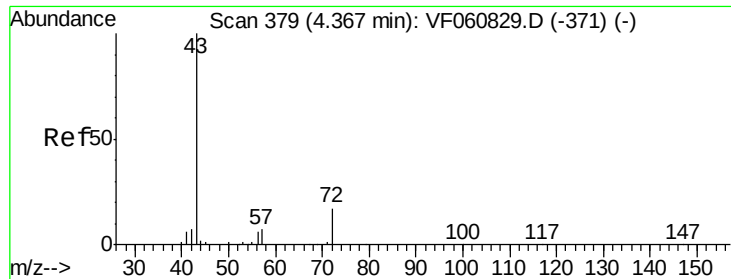


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 119.105 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.05 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

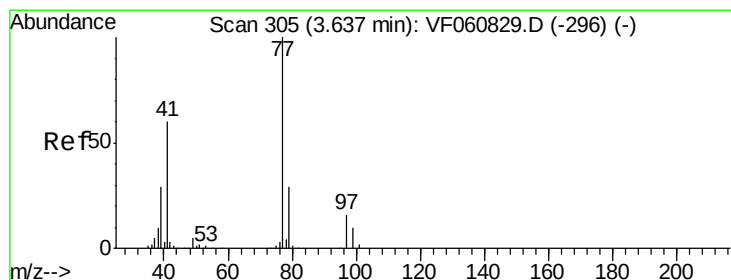
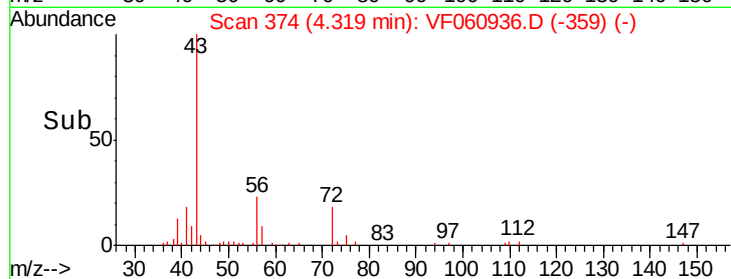
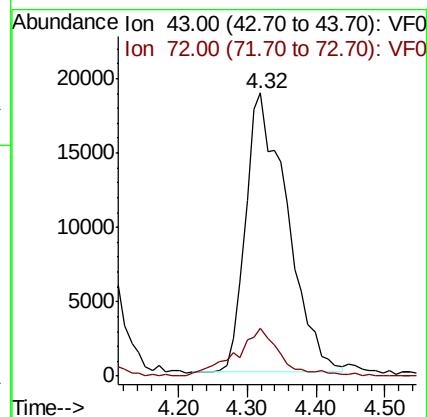
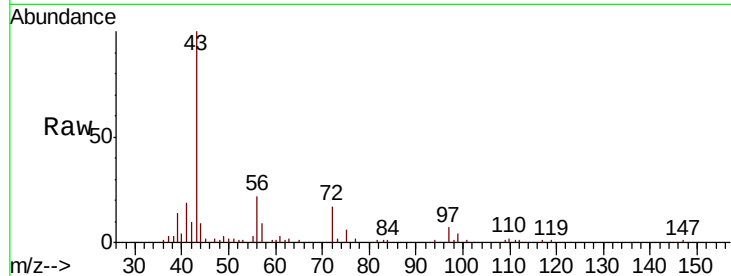
VF1207SBS01

Tot Ion: 43 Resp: 78678

Ion Ratio Lower Upper

43 100

72 17.1 15.4 23.2



#26

2,2-Dichloropropane

Concen: 22.106 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.06 min

Lab File: VF060936.D

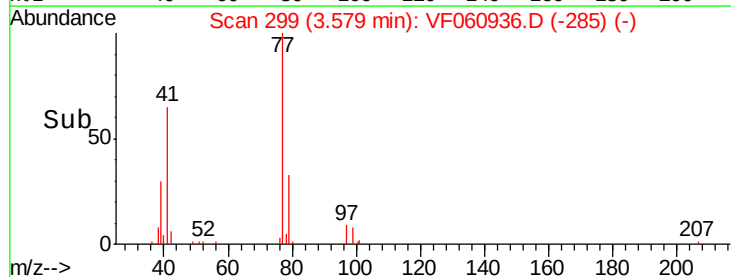
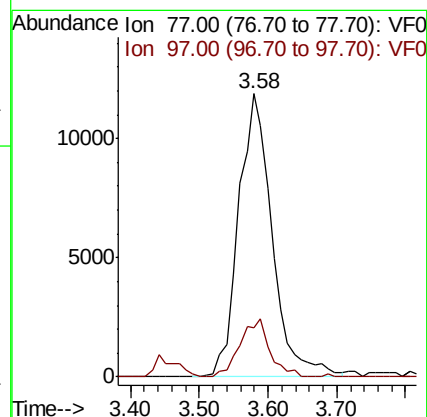
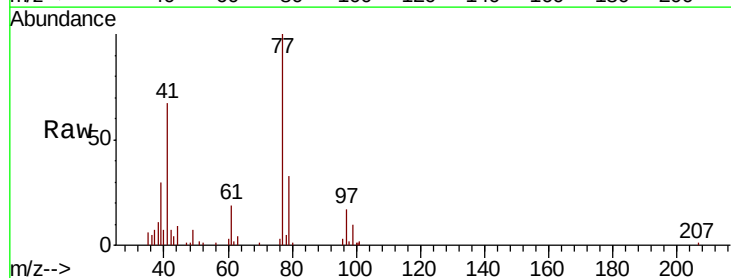
Acq: 7 Dec 2018 18:07

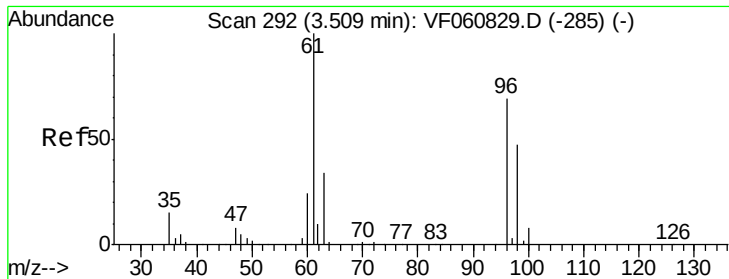
Tgt Ion: 77 Resp: 40271

Ion Ratio Lower Upper

77 100

97 17.1 8.6 25.8



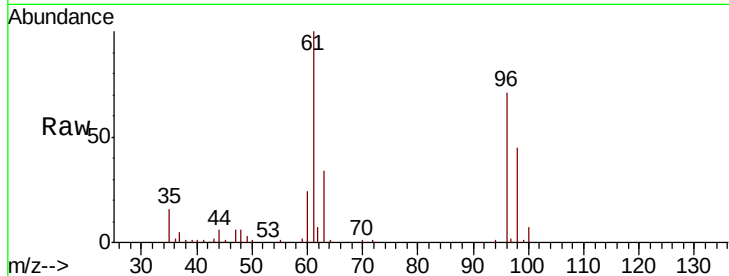


#27

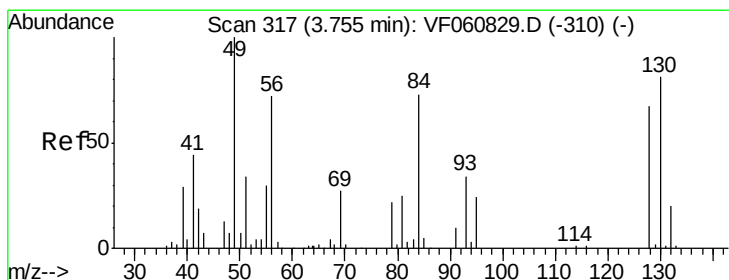
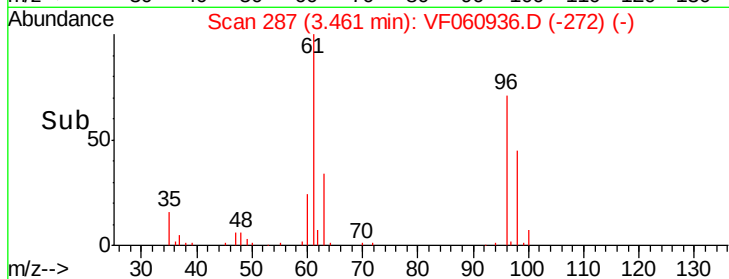
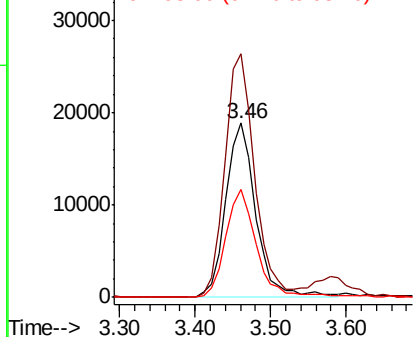
cis-1,2-Dichloroethene
Concen: 23.727 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.05 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.0	0.0	290.6
98	62.4	0.0	137.8



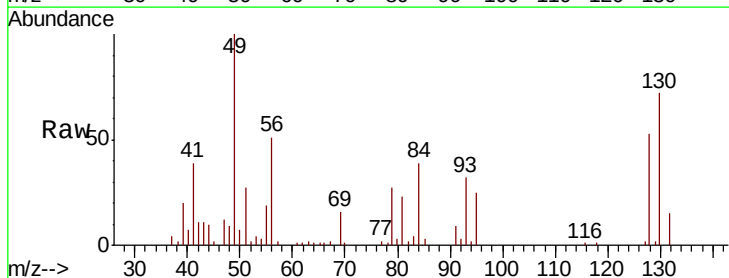
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



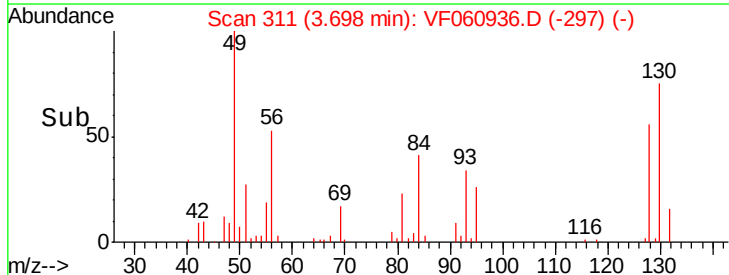
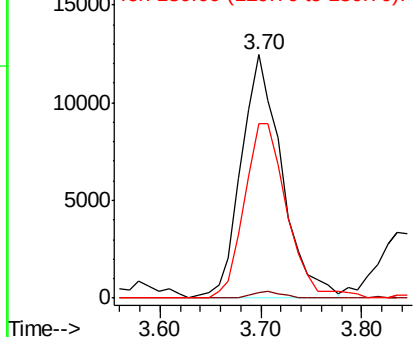
#28

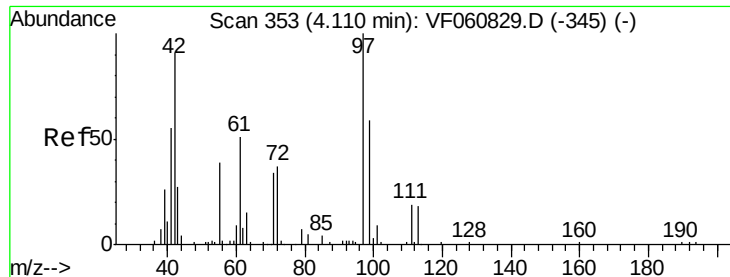
Bromochloromethane
Concen: 25.976 ug/l
RT: 3.70 min Scan# 311
Delta R.T. -0.06 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	71.6	64.2	96.4



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 108.893 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.06 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBSD01

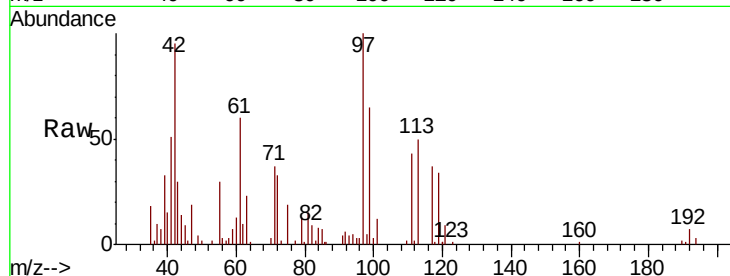
Tot Ion: 42 Resp: 30491

Ion Ratio Lower Upper

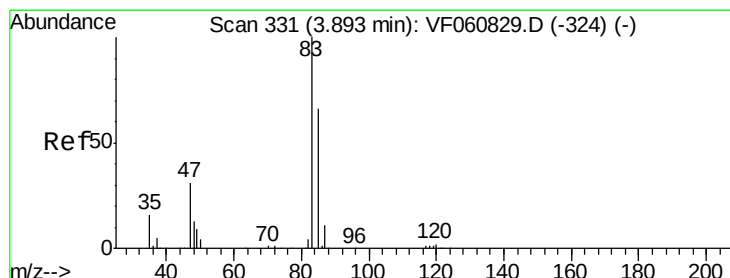
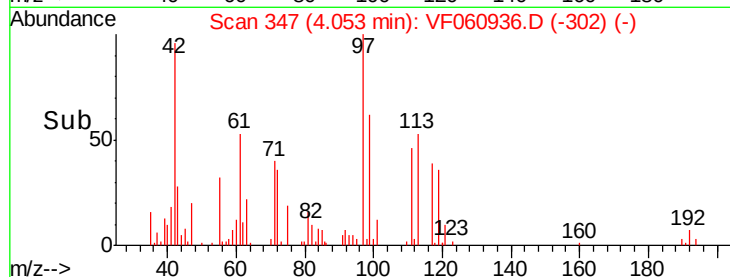
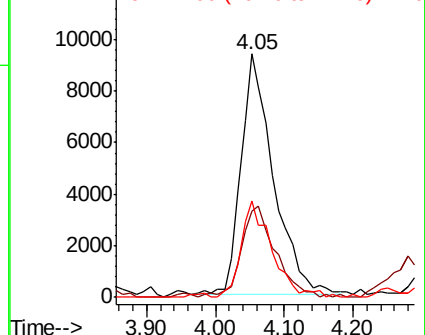
42 100

72 40.0 31.9 47.9

71 38.0 28.7 43.1



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



#30

Chloroform

Concen: 23.179 ug/l

RT: 3.85 min Scan# 326

Delta R.T. -0.05 min

Lab File: VF060936.D

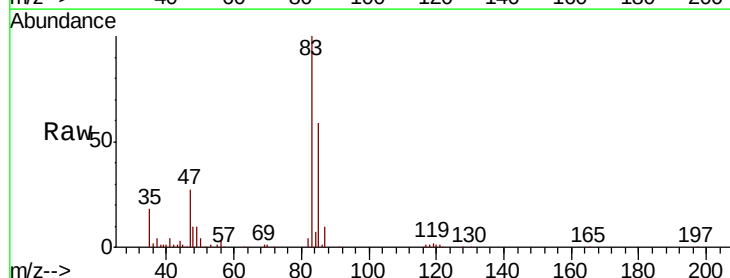
Acq: 7 Dec 2018 18:07

Tgt Ion: 83 Resp: 100240

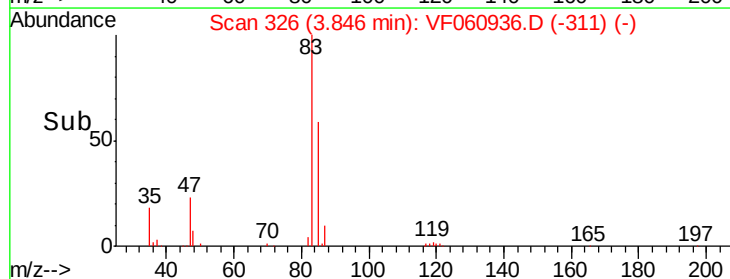
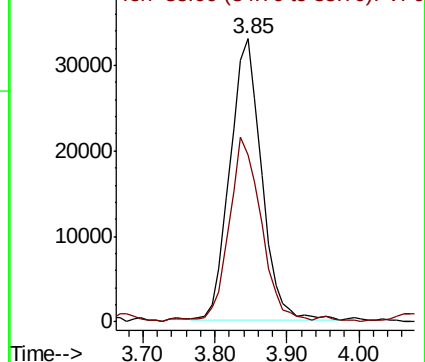
Ion Ratio Lower Upper

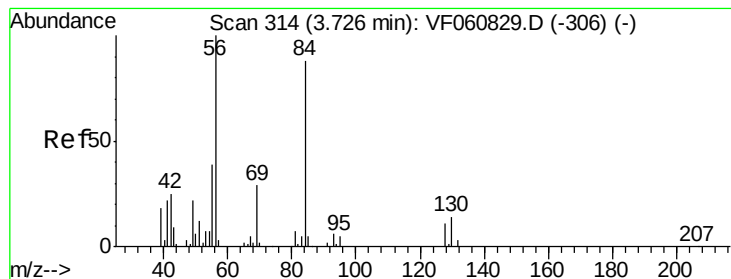
83 100

85 58.9 53.4 80.2



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





#31

Cyclohexane

Concen: 13.352 ug/l

RT: 3.67 min Scan# 308

Delta R.T. -0.06 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBSD01

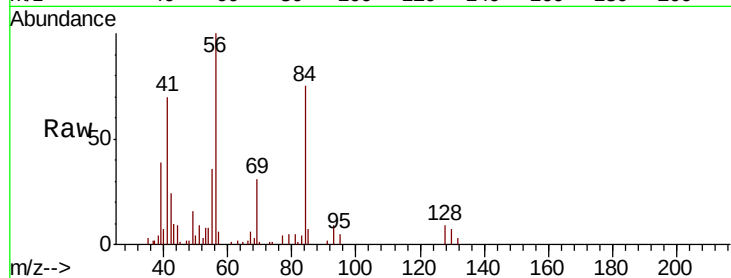
Tot Ion: 56 Resp: 38935

Ion Ratio Lower Upper

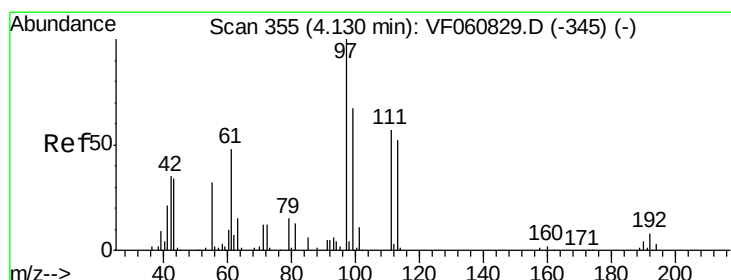
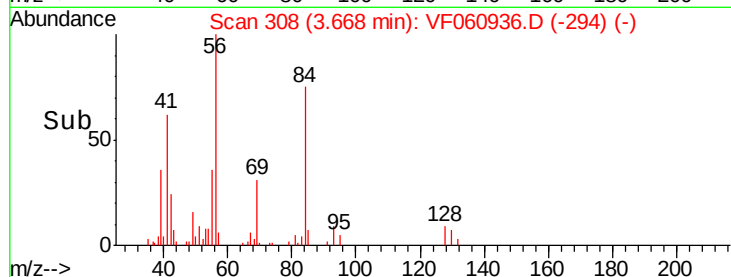
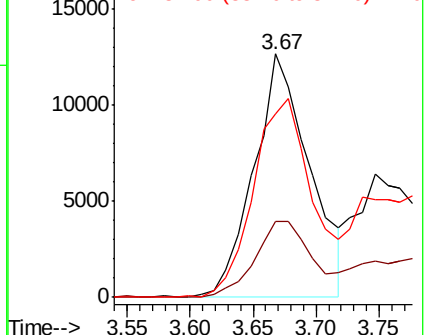
56 100

69 31.4 23.0 34.4

84 75.5 70.4 105.6



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 19.926 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.06 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

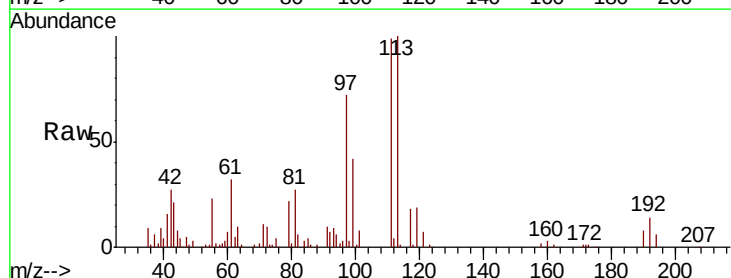
Tgt Ion: 97 Resp: 59762

Ion Ratio Lower Upper

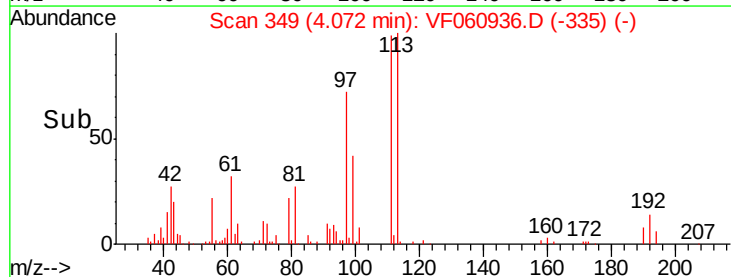
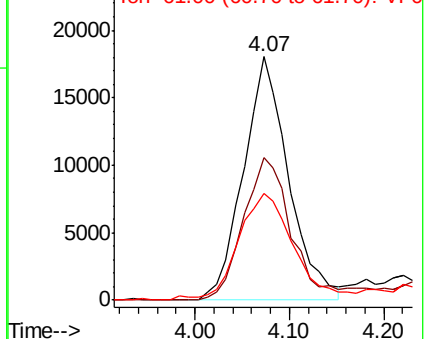
97 100

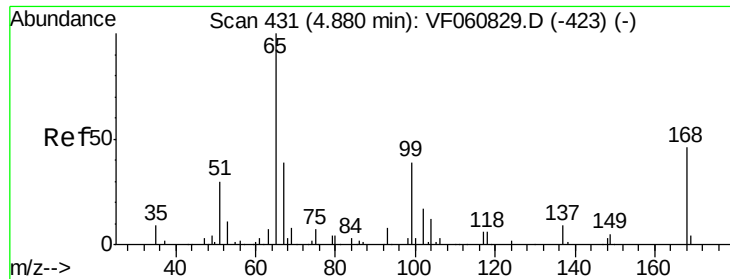
99 58.6 53.5 80.3

61 43.8 38.6 58.0



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0

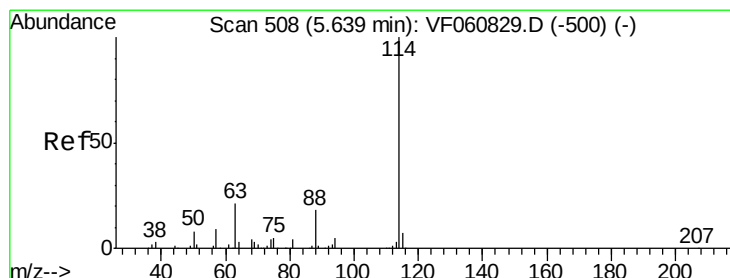
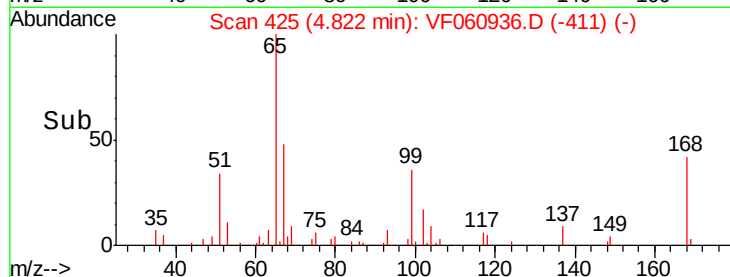
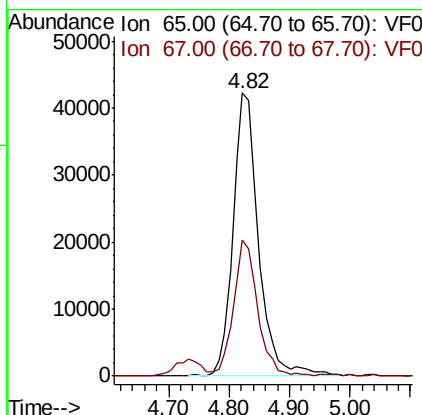
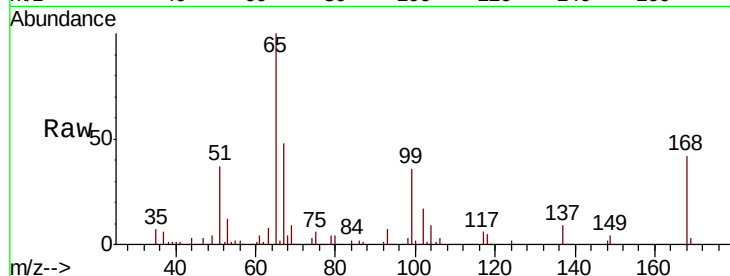




#33
 1,2-Dichloroethane-d4
 Concen: 59.716 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.06 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

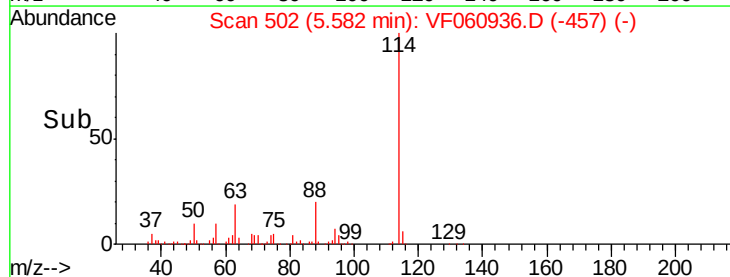
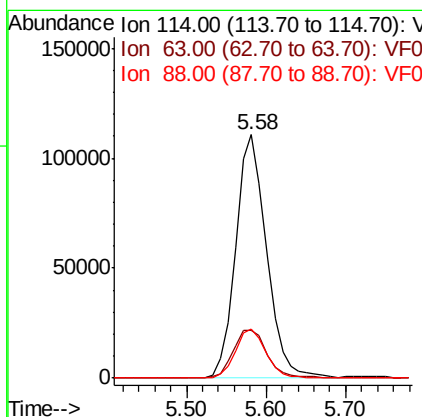
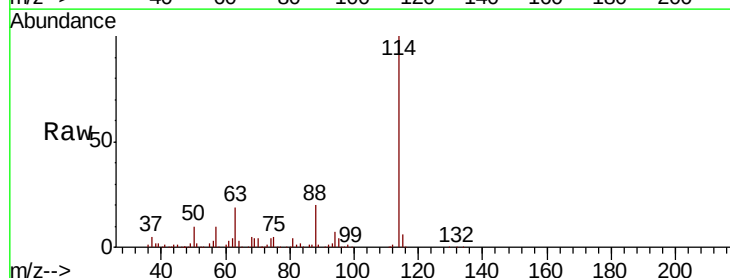
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBSD01

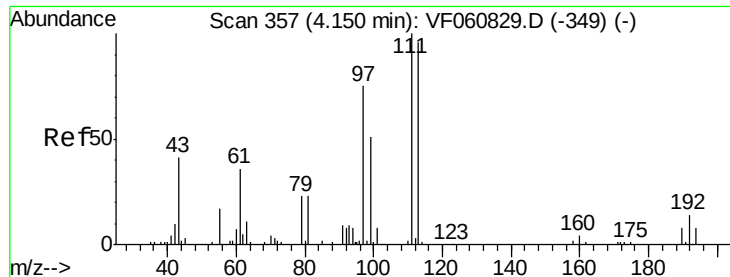
Tot Ion: 65 Resp: 123675
 Ion Ratio Lower Upper
 65 100
 67 48.3 0.0 96.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.06 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Tgt Ion: 114 Resp: 297563
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 41.6
 88 20.0 0.0 36.6





#35

Dibromofluoromethane

Concen: 55.996 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.06 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBSD01

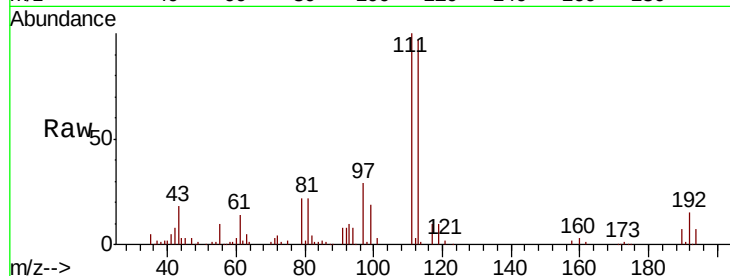
Tot Ion:113 Resp: 132187

Ion Ratio Lower Upper

113 100

111 103.3 83.0 124.6

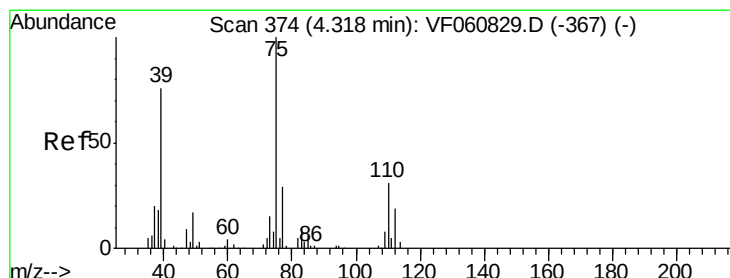
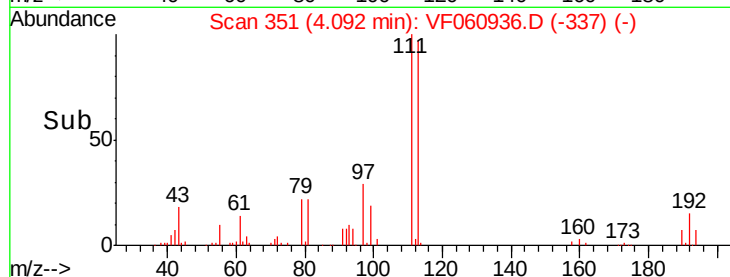
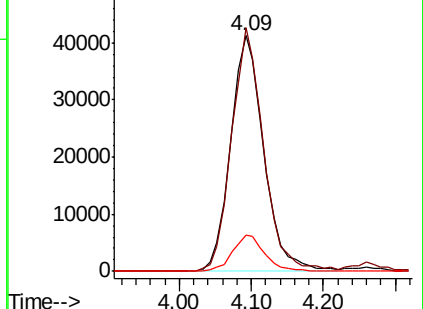
192 16.1 12.3 18.5



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 22.852 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.06 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

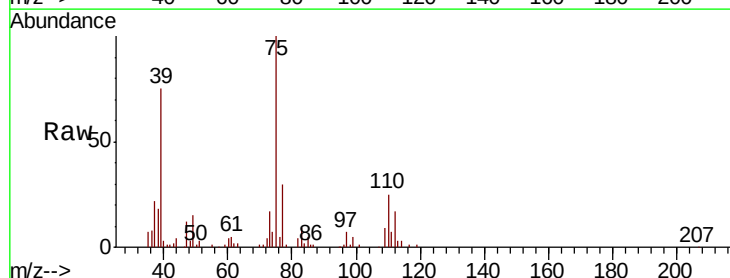
Tgt Ion: 75 Resp: 75421

Ion Ratio Lower Upper

75 100

110 25.4 15.6 46.8

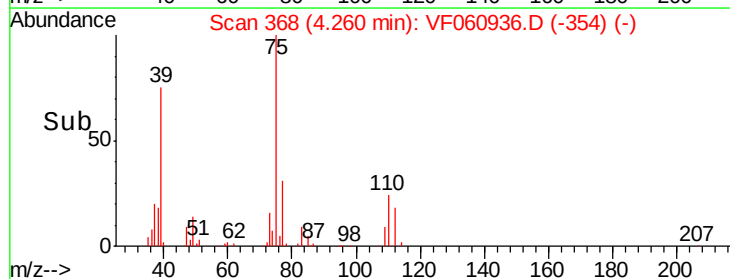
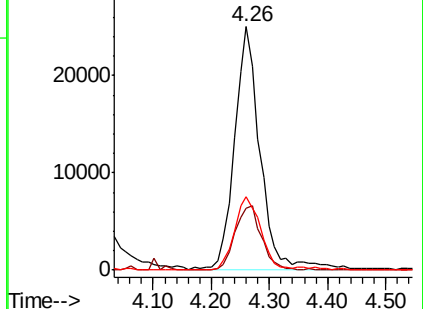
77 30.0 23.4 35.0

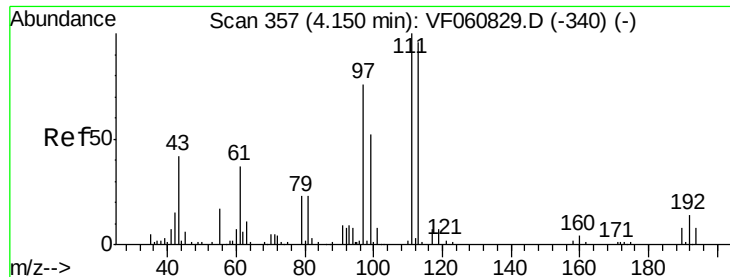


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

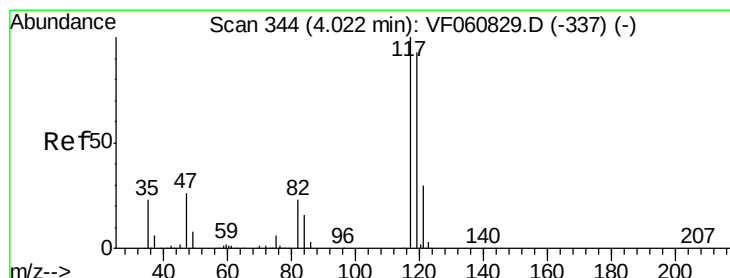
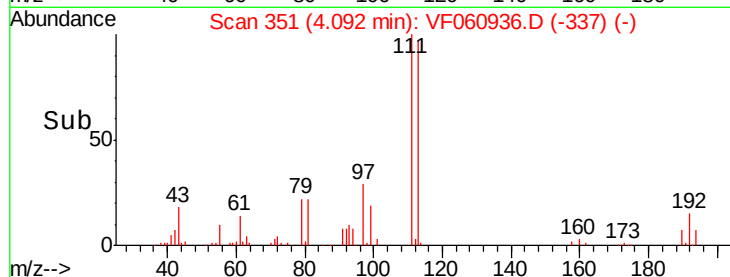
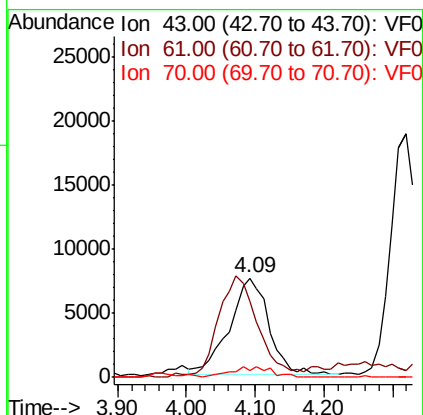
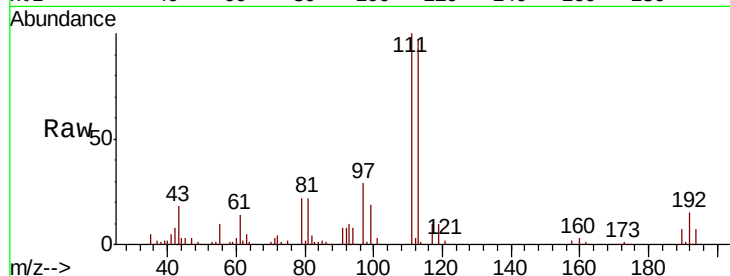




#37
Ethyl Acetate
Concen: 22.055 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.06 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

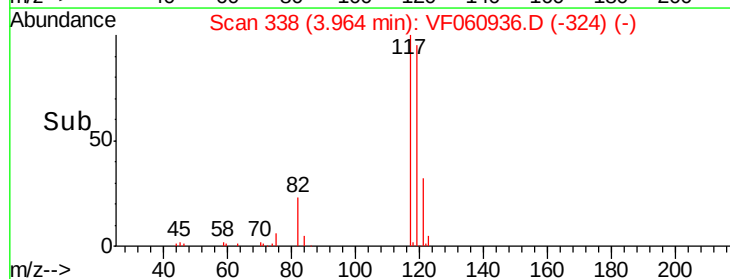
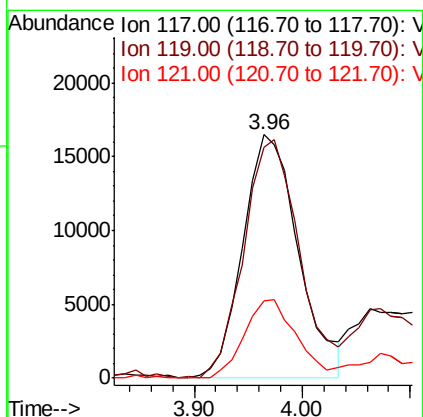
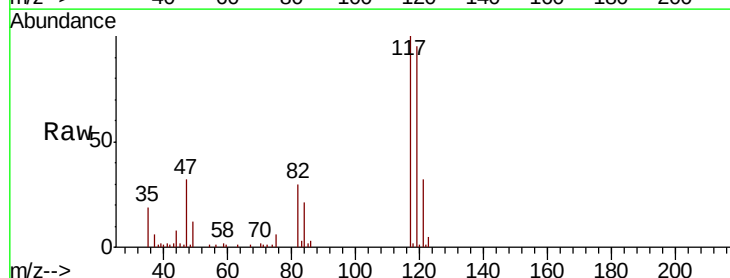
Instrument :
MSVOA_F
ClientSampleId :
VF1207SBSD01

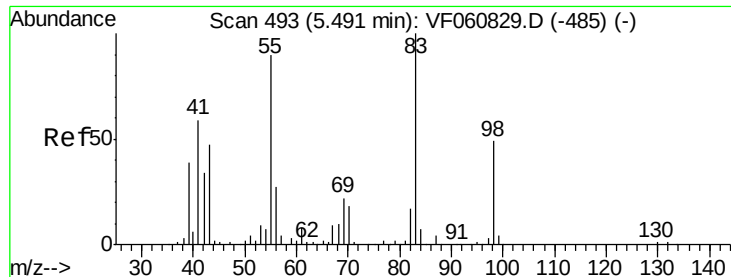
Tot Ion: 43 Resp: 29581
Ion Ratio Lower Upper
43 100
61 77.1 68.6 103.0
70 7.1 9.0 13.4#



#38
Carbon Tetrachloride
Concen: 20.294 ug/l
RT: 3.96 min Scan# 338
Delta R.T. -0.06 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Tgt Ion: 117 Resp: 59161
Ion Ratio Lower Upper
117 100
119 95.0 74.4 111.6
121 32.2 23.5 35.3

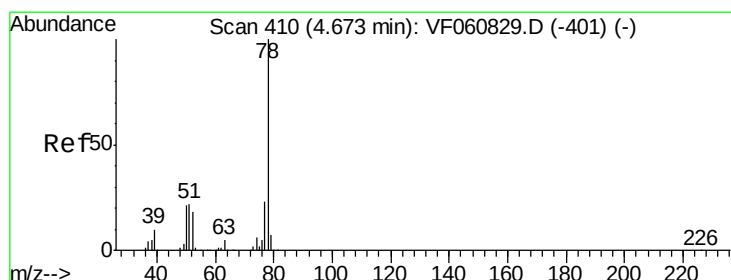
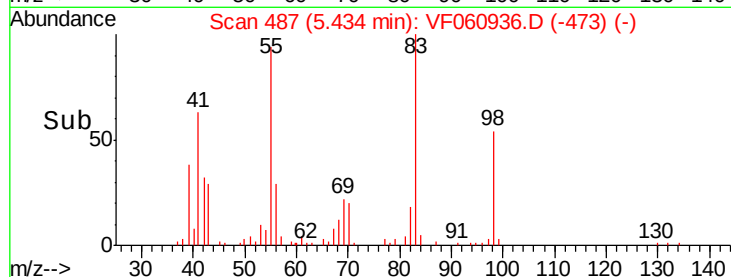
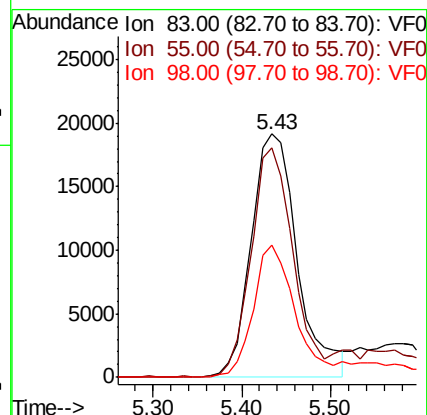
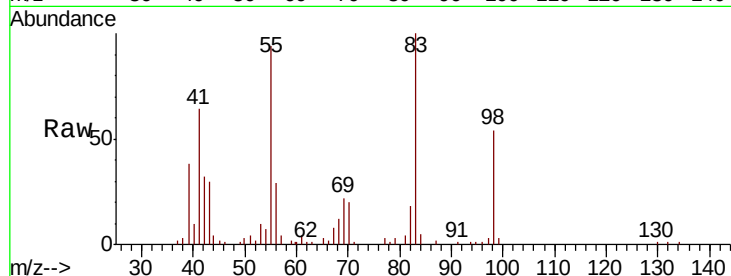




#39
Methylvlcyclohexane
Concen: 19.889 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.06 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

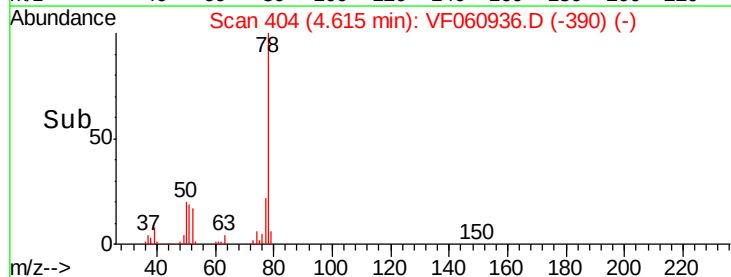
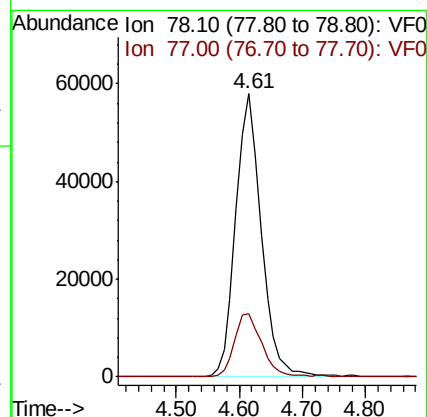
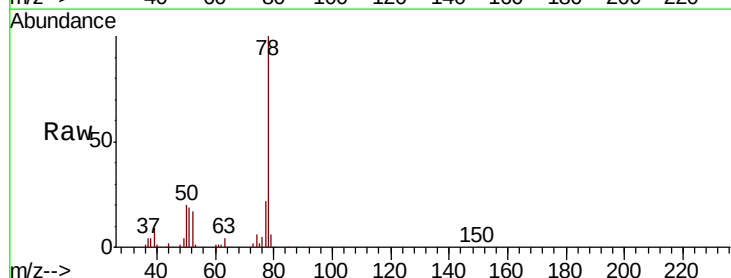
Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

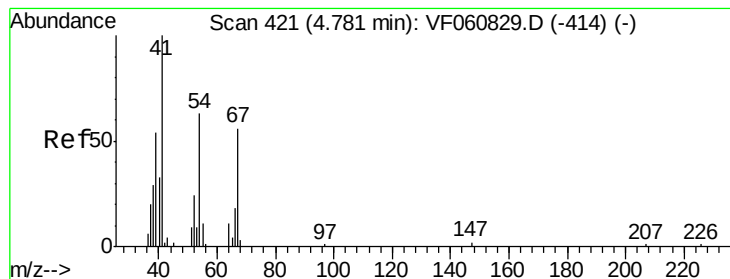
Tot Ion: 83 Resp: 68794
Ion Ratio Lower Upper
83 100
55 94.4 72.1 108.1
98 54.1 39.1 58.7



#40
Benzene
Concen: 22.412 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.06 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Tgt Ion: 78 Resp: 163412
Ion Ratio Lower Upper
78 100
77 22.3 18.7 28.1





#41

Methacrylonitrile

Concen: 20.355 ug/l

RT: 4.73 min Scan# 416

Delta R.T. -0.05 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBSD01

Tot Ion: 41 Resp: 15732

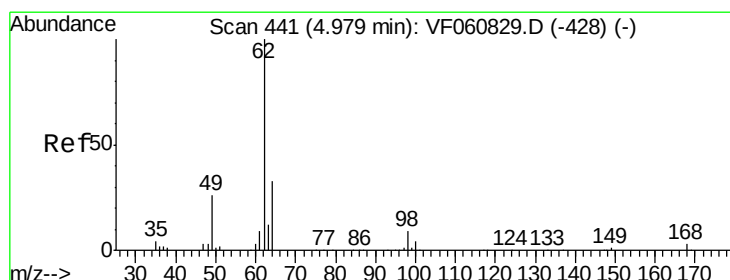
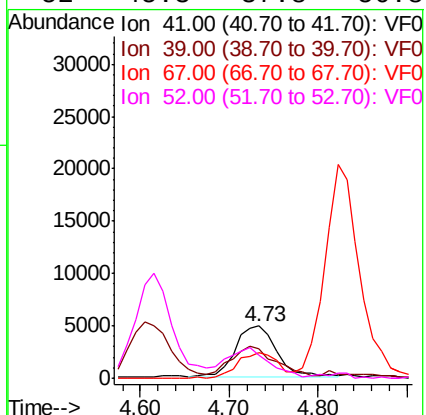
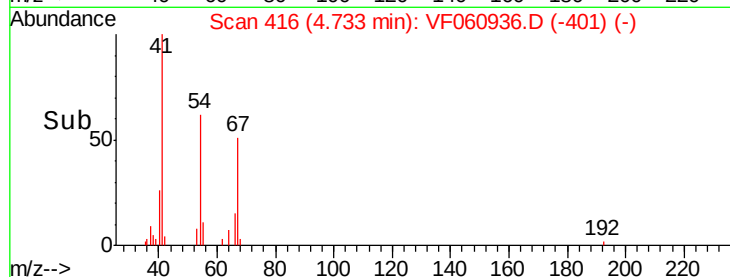
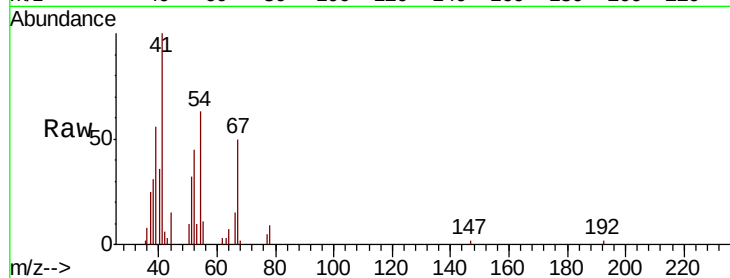
Ion Ratio Lower Upper

41 100

39 56.4 53.0 79.6

67 49.7 43.8 65.6

52 45.3 37.8 56.8



#42

1,2-Dichloroethane

Concen: 22.487 ug/l

RT: 4.92 min Scan# 435

Delta R.T. -0.06 min

Lab File: VF060936.D

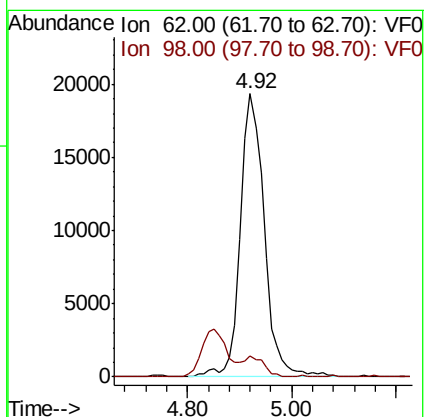
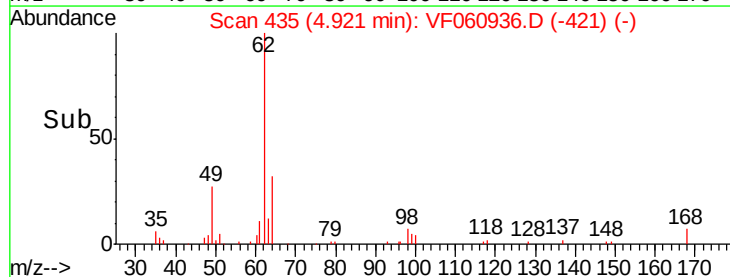
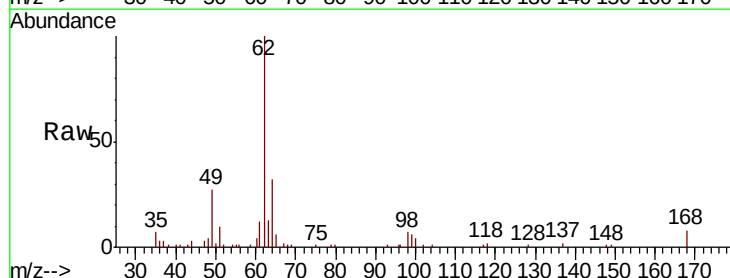
Acq: 7 Dec 2018 18:07

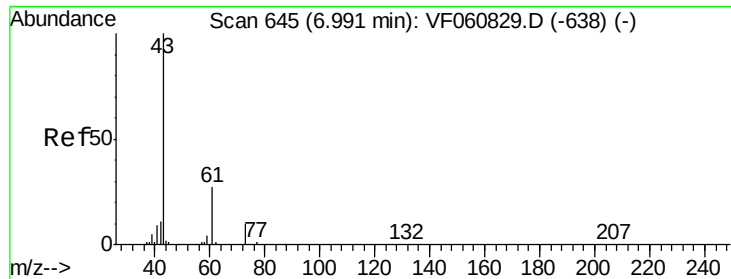
Tgt Ion: 62 Resp: 59858

Ion Ratio Lower Upper

62 100

98 7.5 0.0 17.2

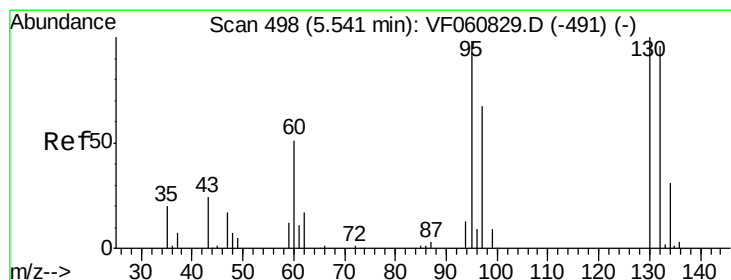
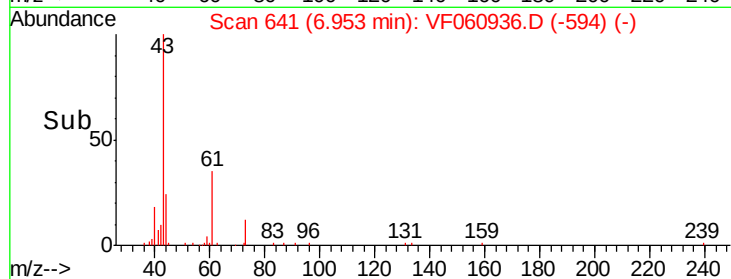
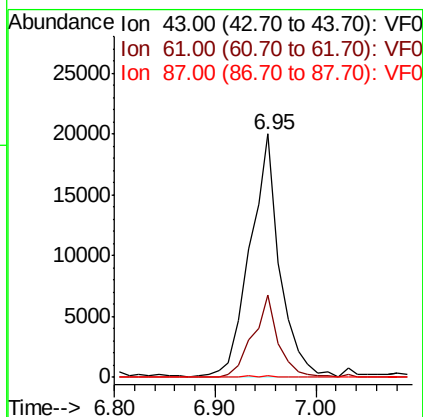
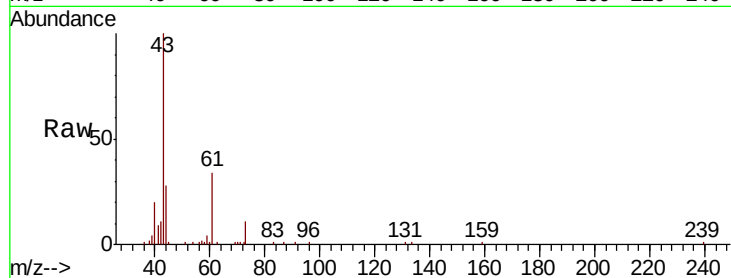




#43
Isopropyl Acetate
Concen: 23.559 ug/l
RT: 6.95 min Scan# 641
Delta R.T. -0.04 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

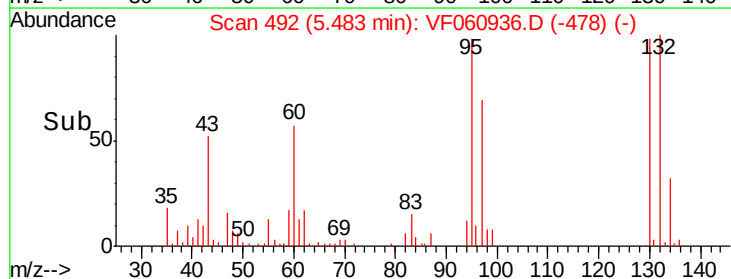
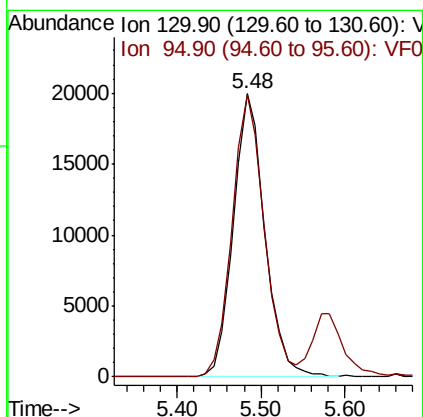
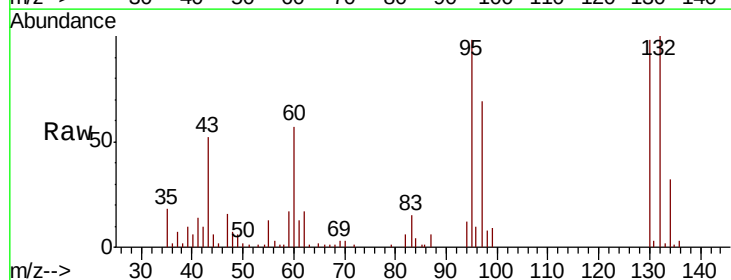
Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

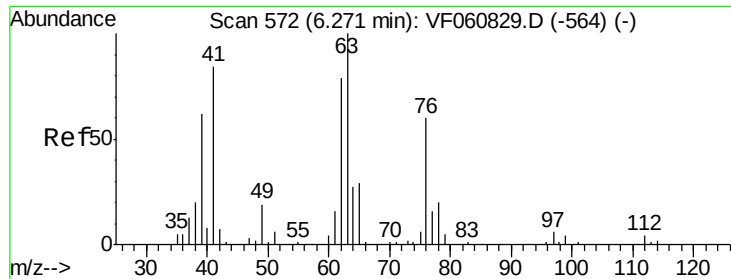
Tot Ion: 43 Resp: 41366
Ion Ratio Lower Upper
43 100
61 34.0 21.4 32.0#
87 0.8 0.2 0.4#



#44
Trichloroethene
Concen: 21.800 ug/l
RT: 5.48 min Scan# 492
Delta R.T. -0.06 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Tgt Ion:130 Resp: 51973
Ion Ratio Lower Upper
130 100
95 99.8 0.0 195.6

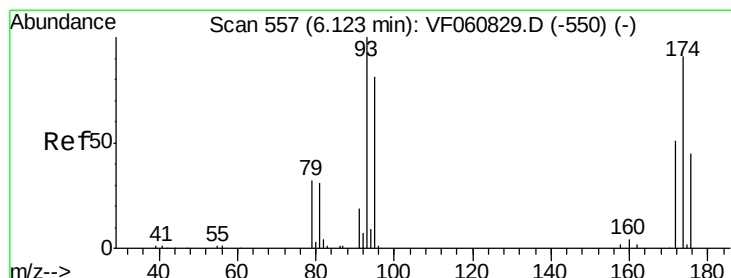
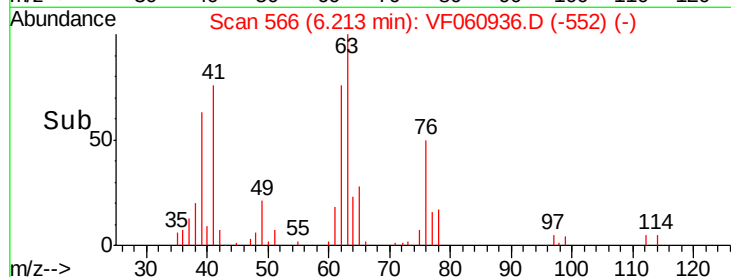
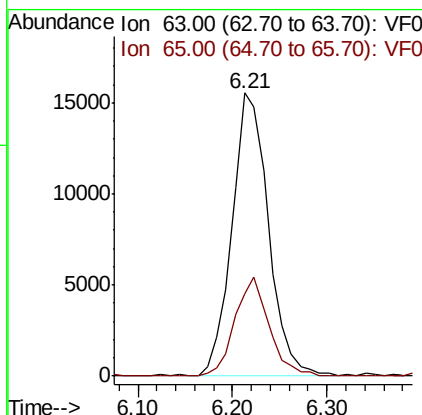
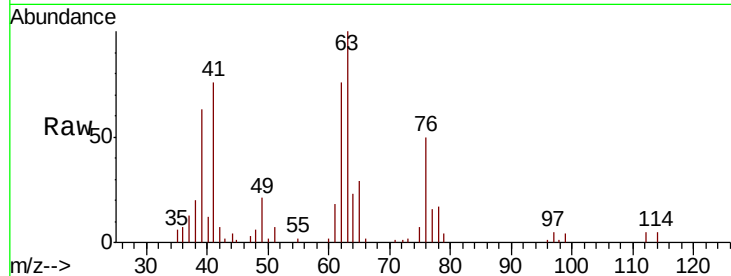




#45
 1,2-Dichloropropane
 Concen: 21.925 ug/l
 RT: 6.21 min Scan# 566
 Delta R.T. -0.06 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

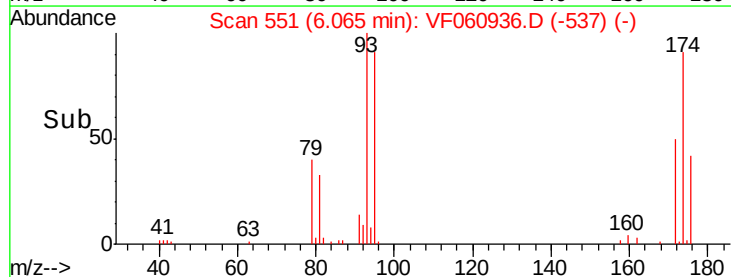
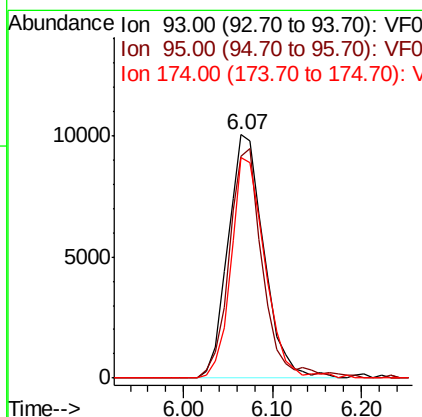
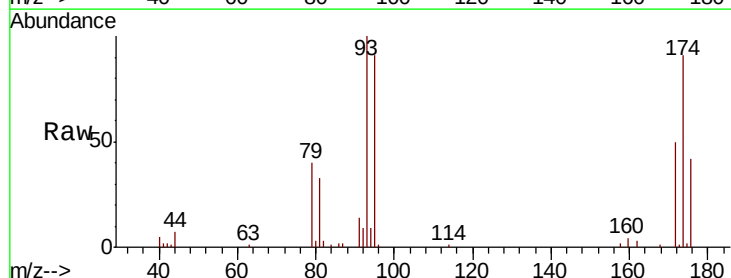
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBSD01

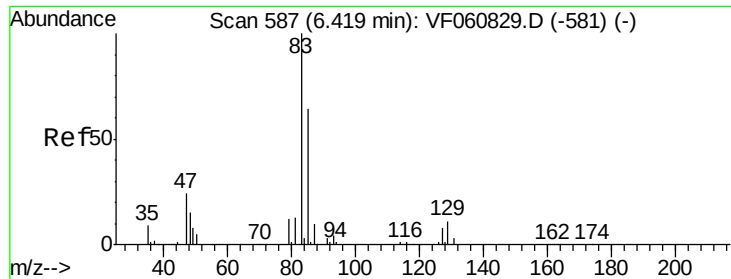
Tot Ion: 63 Resp: 41518
 Ion Ratio Lower Upper
 63 100
 65 29.0 23.2 34.8



#46
 Dibromomethane
 Concen: 22.089 ug/l
 RT: 6.07 min Scan# 551
 Delta R.T. -0.06 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Tgt Ion: 93 Resp: 28375
 Ion Ratio Lower Upper
 93 100
 95 91.3 64.7 97.1
 174 90.7 73.0 109.6





#47

Bromodichloromethane

Concen: 22.870 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.05 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

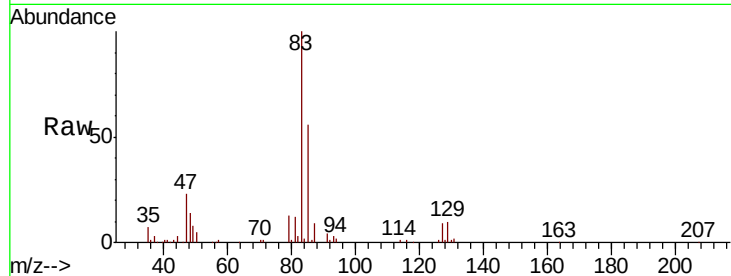
Tot Ion: 83 Resp: 78029

Ion Ratio Lower Upper

83 100

85 56.0 51.1 76.7

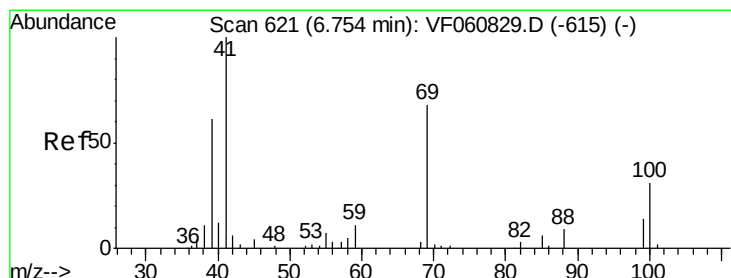
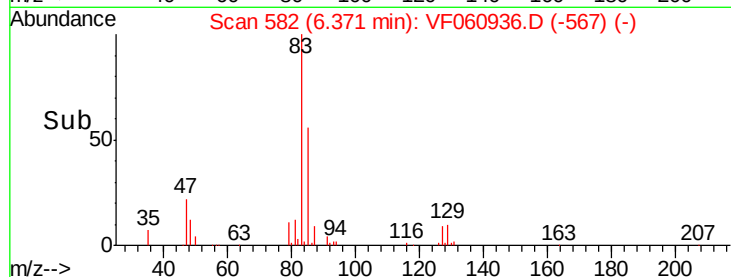
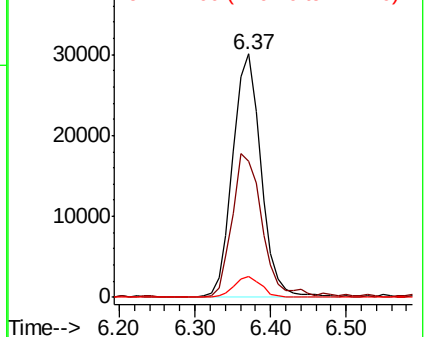
127 8.5 6.8 10.2



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: 21.069 ug/l

RT: 6.71 min Scan# 616

Delta R.T. -0.05 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

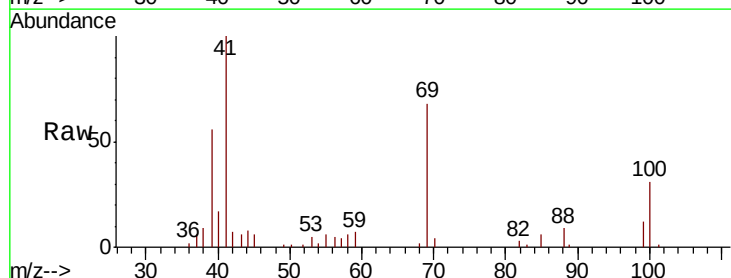
Tgt Ion: 41 Resp: 25579

Ion Ratio Lower Upper

41 100

69 67.8 53.9 80.9

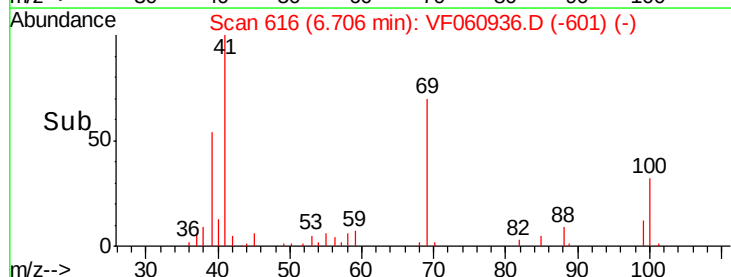
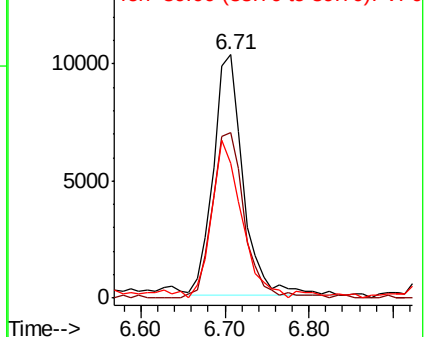
39 55.6 49.0 73.6

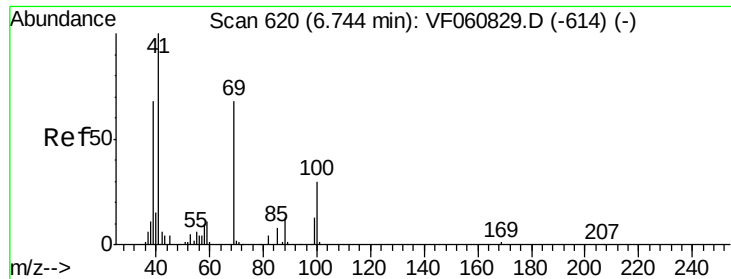


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

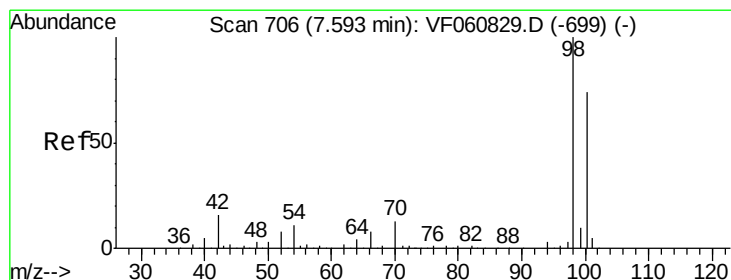
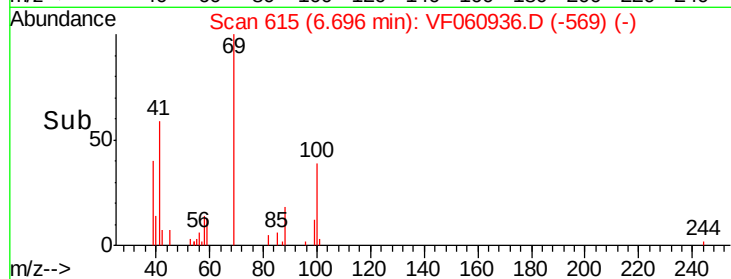
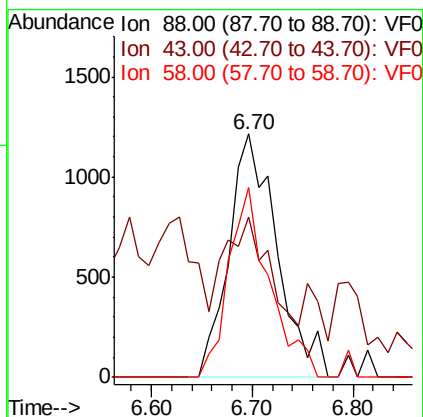
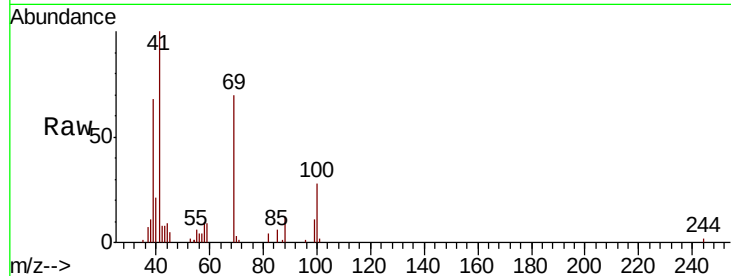




#49
1,4-Dioxane
Concen: 453.564 ug/l
RT: 6.70 min Scan# 615
Delta R.T. -0.05 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

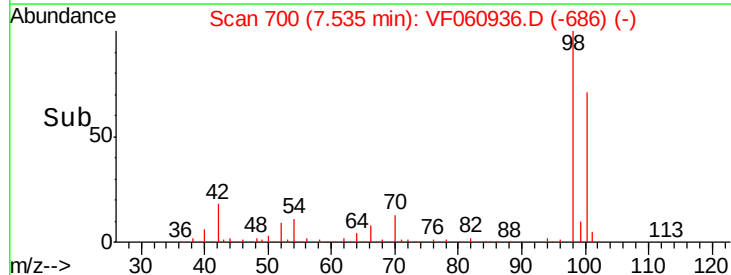
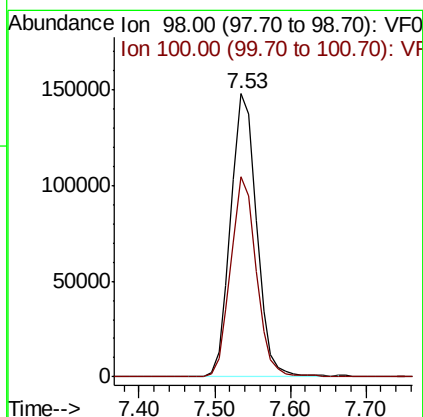
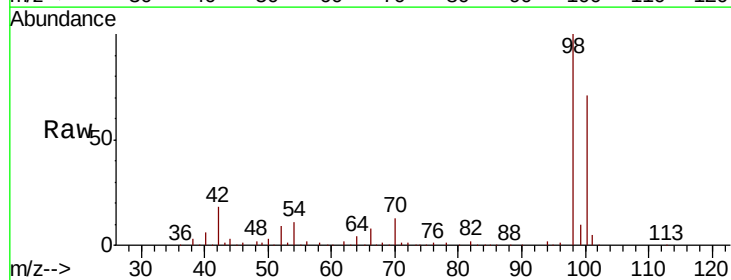
Instrument :
MSVOA_F
ClientSampleId :
VF1207SBSD01

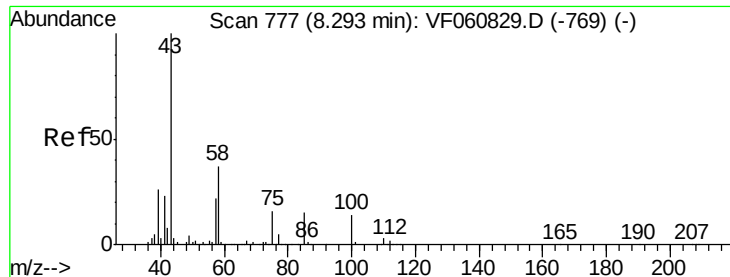
Tot Ion: 88 Resp: 4030
Ion Ratio Lower Upper
88 100
43 66.1 42.0 63.0#
58 77.9 61.8 92.8



#50
Toluene-d8
Concen: 50.569 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.06 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Tgt Ion: 98 Resp: 351644
Ion Ratio Lower Upper
98 100
100 70.6 59.3 88.9





#51

4-Methyl-2-Pentanone

Concen: 112.516 ug/l

RT: 8.25 min Scan# 772

Delta R.T. -0.05 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

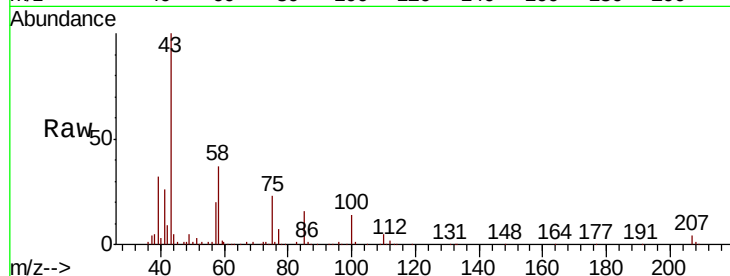
VF1207SBSD01

Tot Ion: 43 Resp: 139162

Ion Ratio Lower Upper

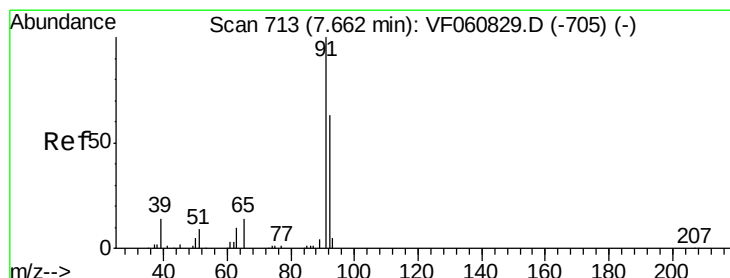
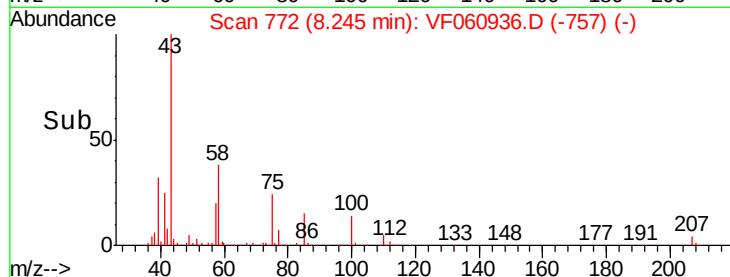
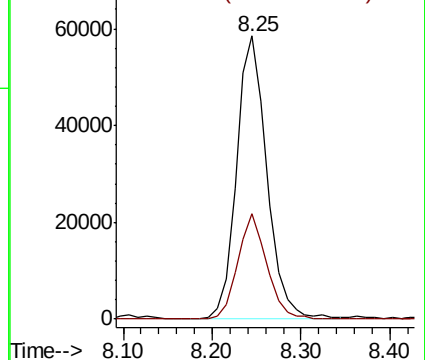
43 100

58 37.2 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.295 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.06 min

Lab File: VF060936.D

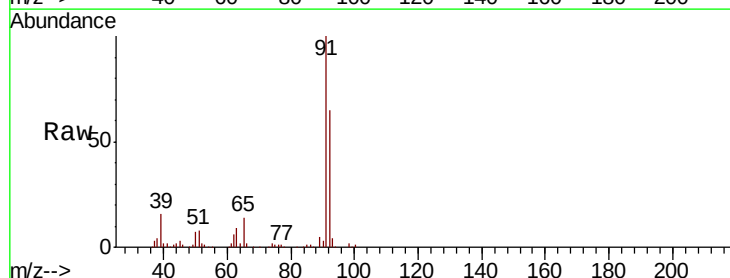
Acq: 7 Dec 2018 18:07

Tgt Ion: 92 Resp: 103943

Ion Ratio Lower Upper

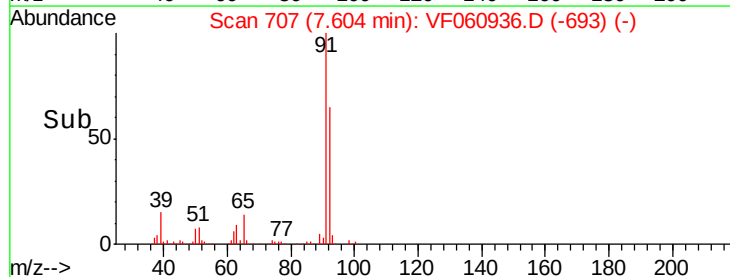
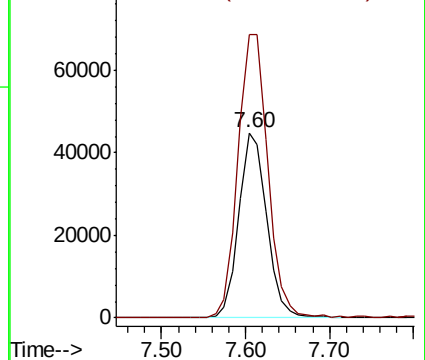
92 100

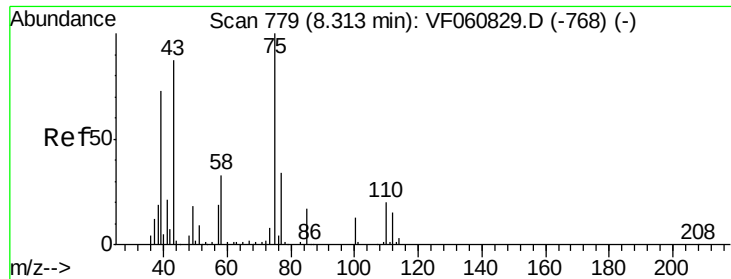
91 153.1 126.2 189.2



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: 22.750 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.05 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

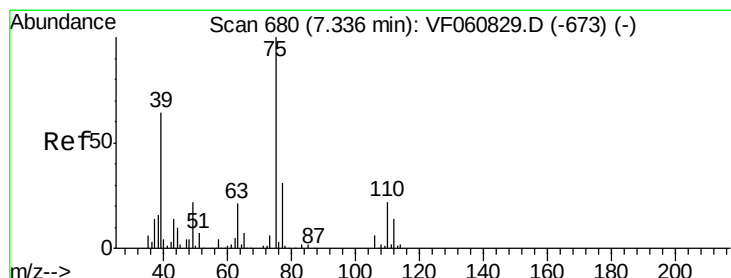
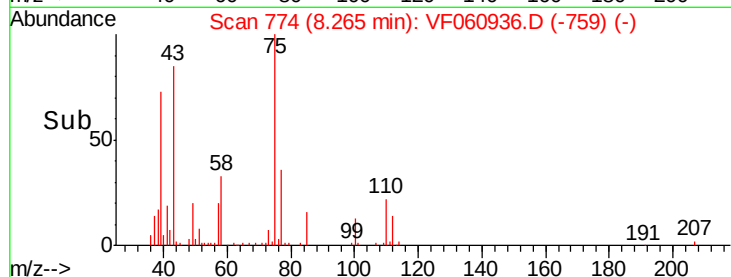
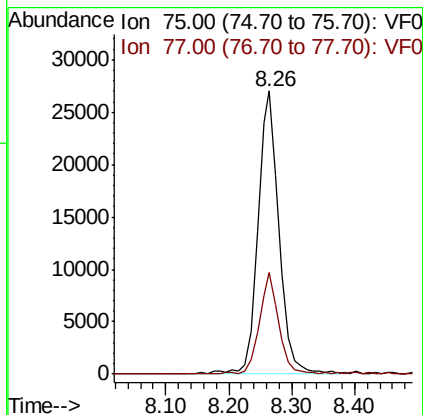
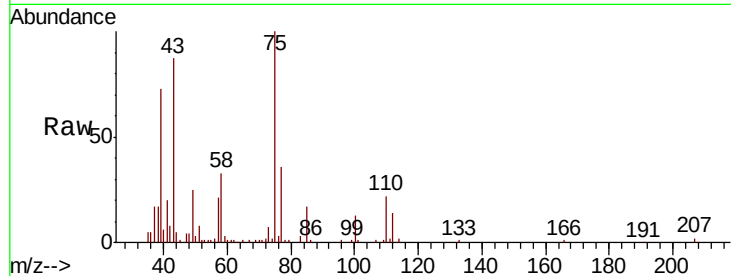
VF1207SBSD01

Tot Ion: 75 Resp: 63137

Ion Ratio Lower Upper

75 100

77 35.9 27.4 41.2



#54

cis-1,3-Dichloropropene

Concen: 22.900 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.05 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

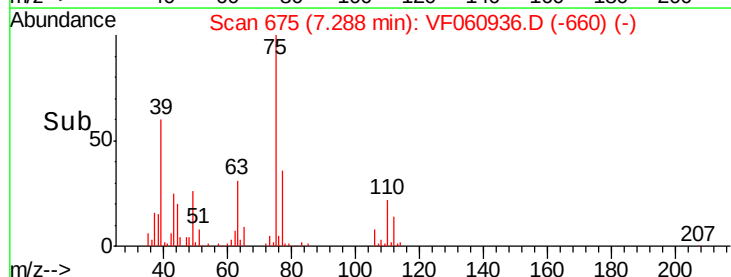
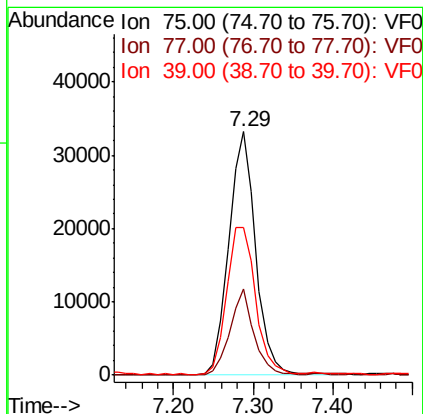
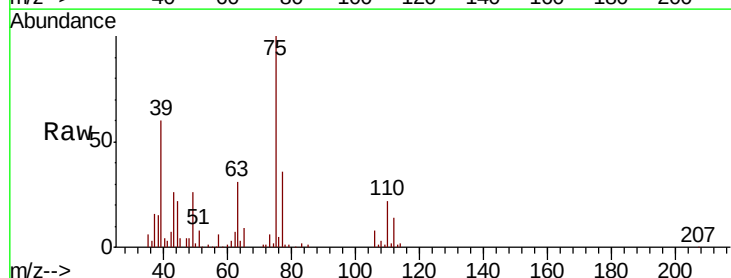
Tgt Ion: 75 Resp: 78679

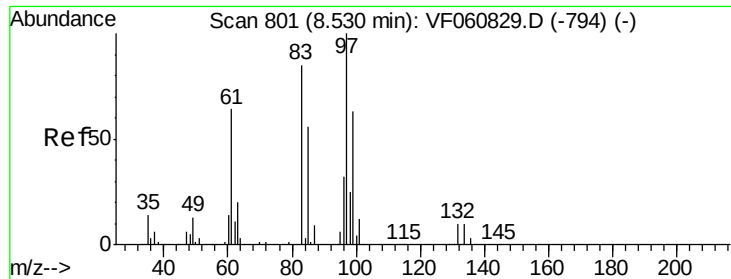
Ion Ratio Lower Upper

75 100

77 35.6 25.0 37.6

39 60.4 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 22.465 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.06 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

Tot Ion: 97 Resp: 33526

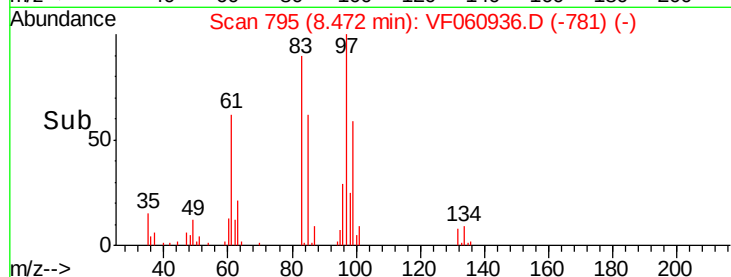
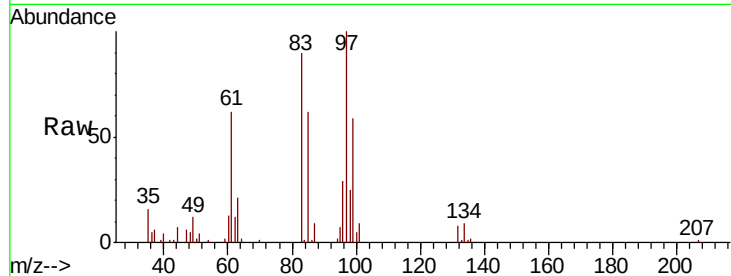
Ion	Ratio	Lower	Upper
97	100		
83	90.3	67.8	101.6
85	61.5	45.0	67.6
99	59.3	50.5	75.7

97 100

83 90.3 67.8 101.6

85 61.5 45.0 67.6

99 59.3 50.5 75.7

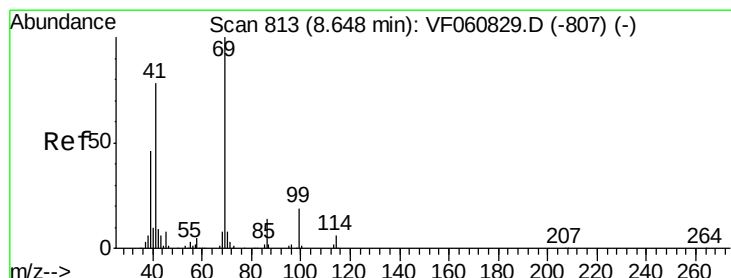
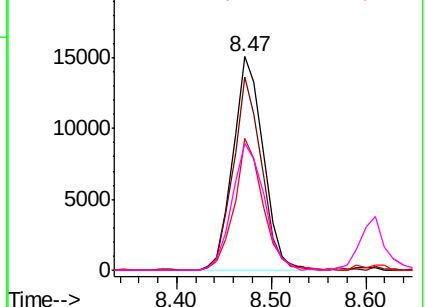


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 22.106 ug/l

RT: 8.60 min Scan# 808

Delta R.T. -0.05 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

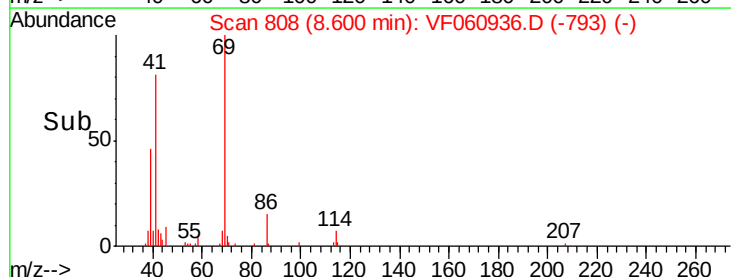
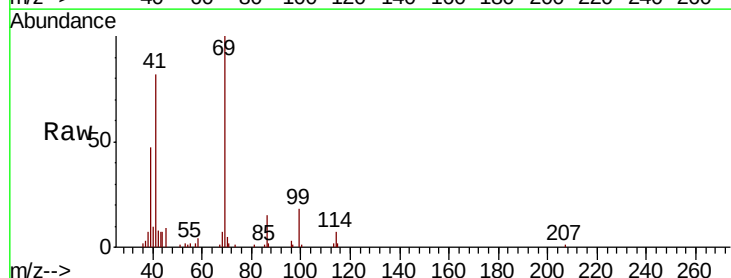
Tgt Ion: 69 Resp: 36648

Ion	Ratio	Lower	Upper
69	100		
41	82.2	62.6	94.0
39	47.5	37.8	56.6

69 100

41 82.2 62.6 94.0

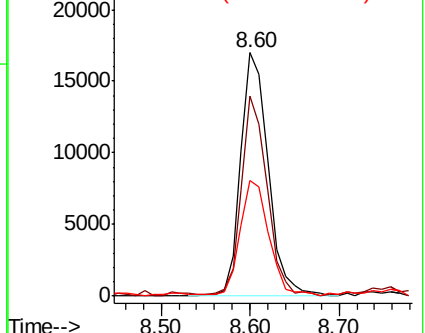
39 47.5 37.8 56.6

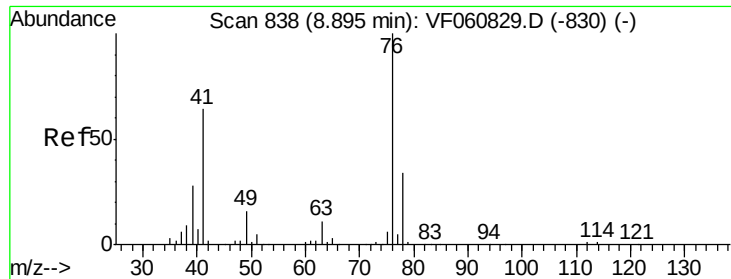


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

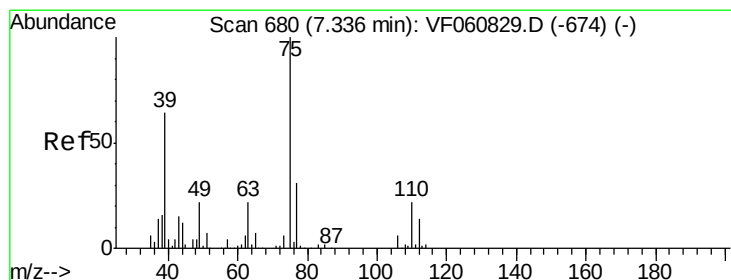
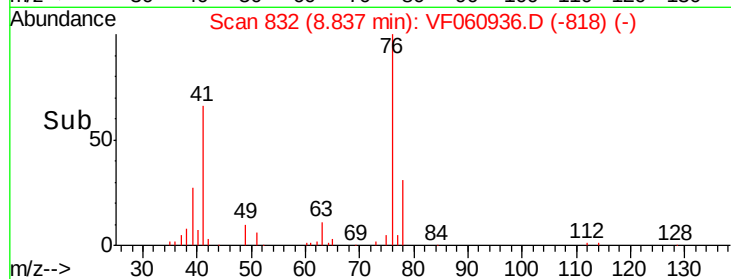
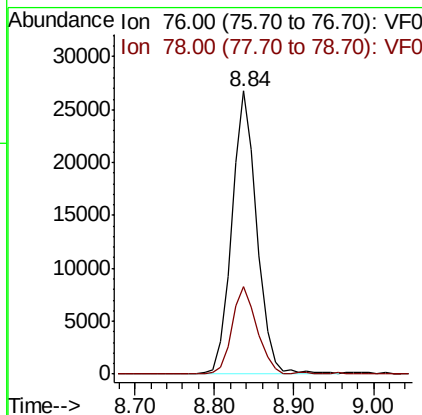
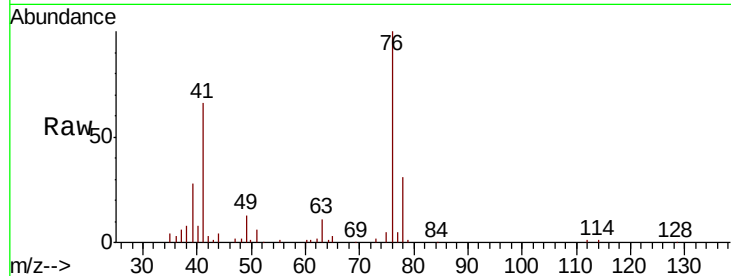




#57
 1,3-Dichloropropane
 Concen: 22.390 ug/l
 RT: 8.84 min Scan# 832
 Delta R.T. -0.06 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

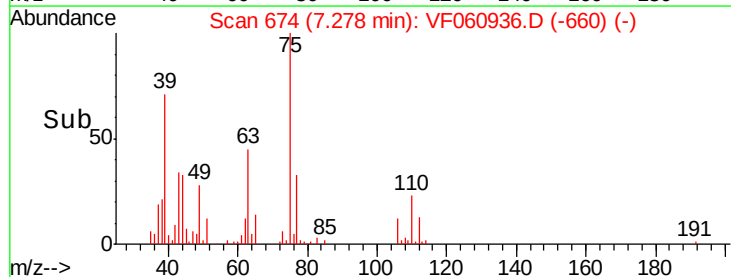
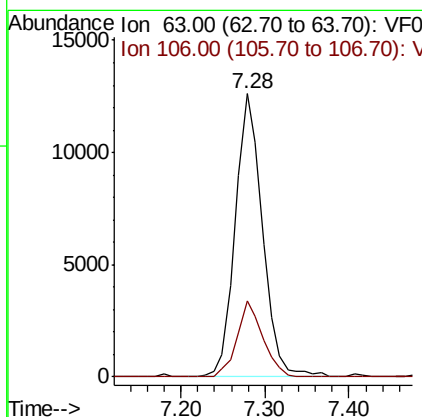
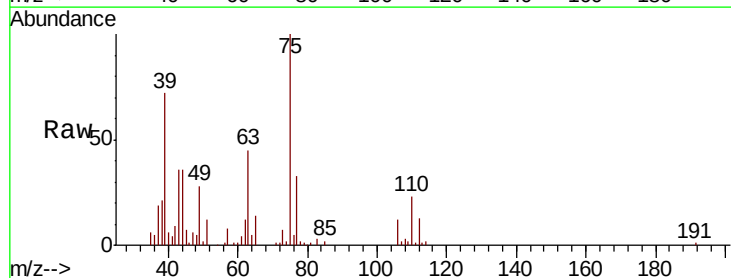
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBS01

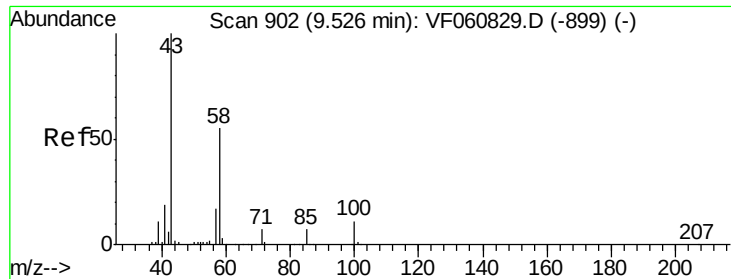
Tot Ion: 76 Resp: 58460
 Ion Ratio Lower Upper
 76 100
 78 31.1 27.0 40.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 167.935 ug/l
 RT: 7.28 min Scan# 674
 Delta R.T. -0.06 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Tgt Ion: 63 Resp: 28477
 Ion Ratio Lower Upper
 63 100
 106 26.8 23.0 34.6

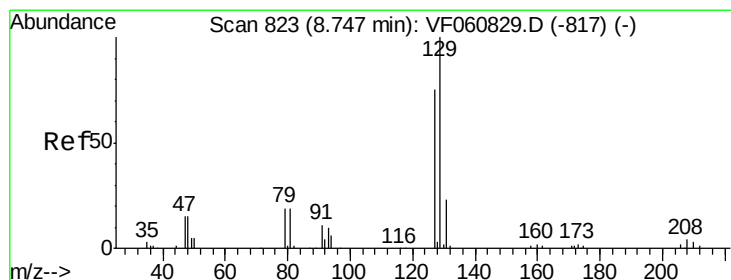
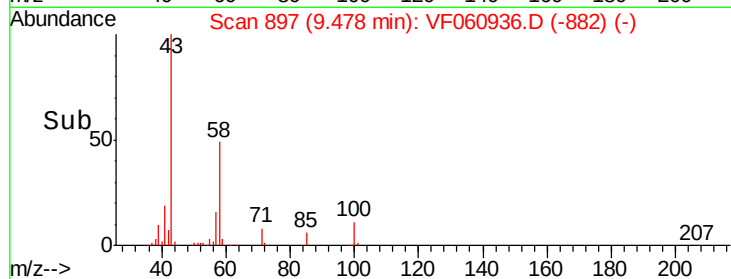
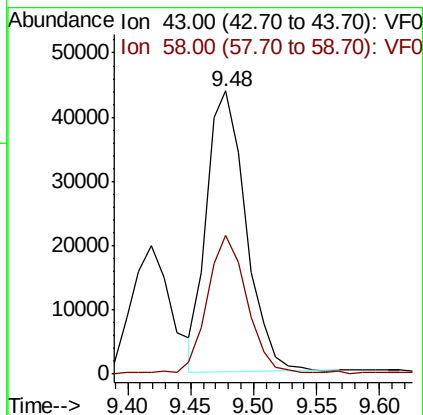
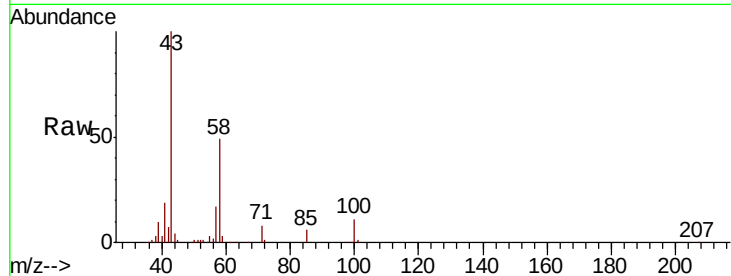




#59
2-Hexanone
Concen: 108.522 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.05 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

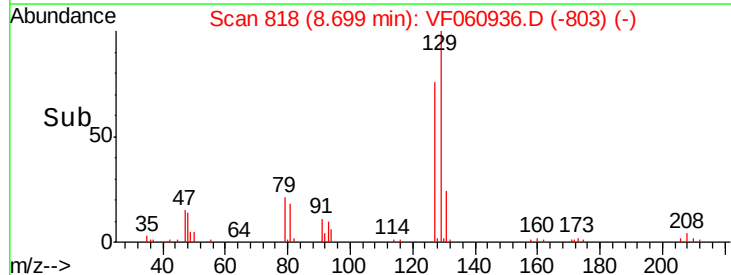
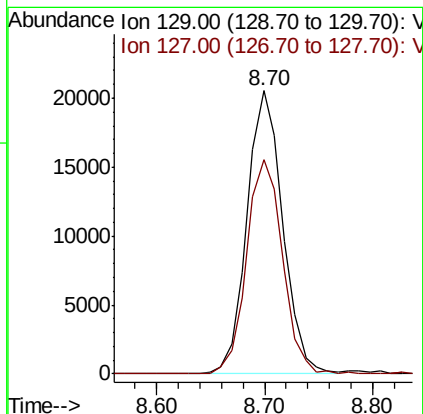
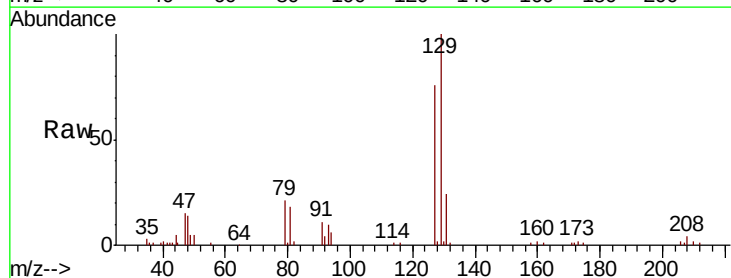
Instrument :
MSVOA_F
ClientSampleId :
VF1207SBSD01

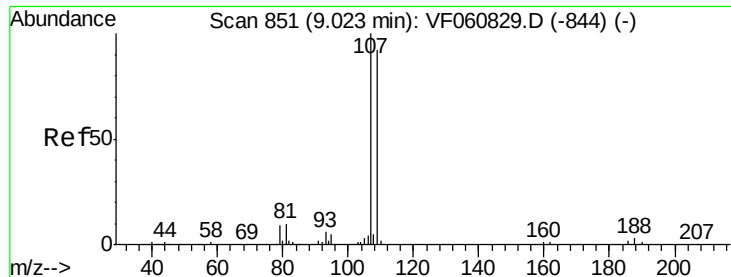
Tot Ion: 43 Resp: 94165
Ion Ratio Lower Upper
43 100
58 49.0 25.6 76.6



#60
Dibromochloromethane
Concen: 21.345 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.05 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Tgt Ion: 129 Resp: 47462
Ion Ratio Lower Upper
129 100
127 75.8 37.3 111.9

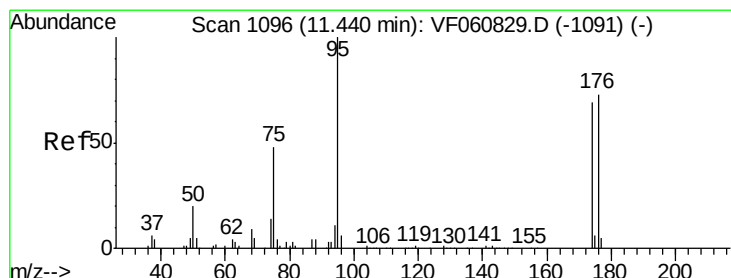
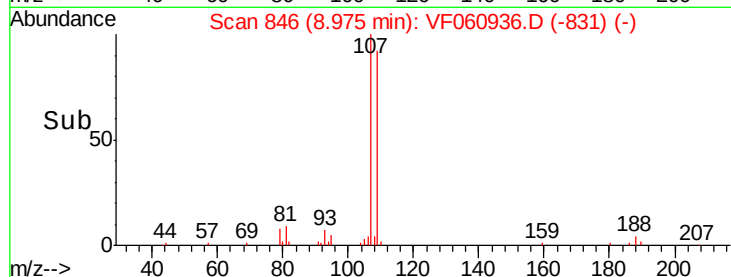
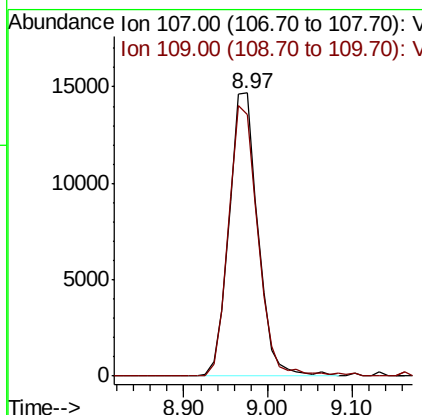
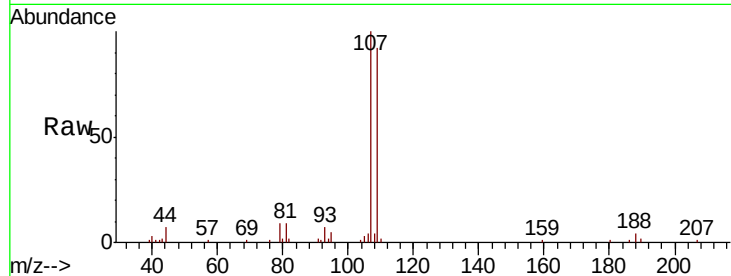




#61
 1,2-Dibromoethane
 Concen: 21.775 ug/l
 RT: 8.97 min Scan# 846
 Delta R.T. -0.05 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

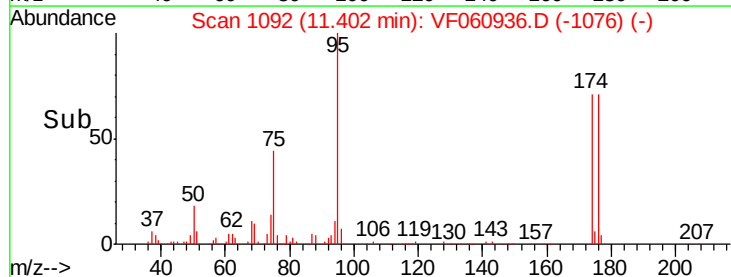
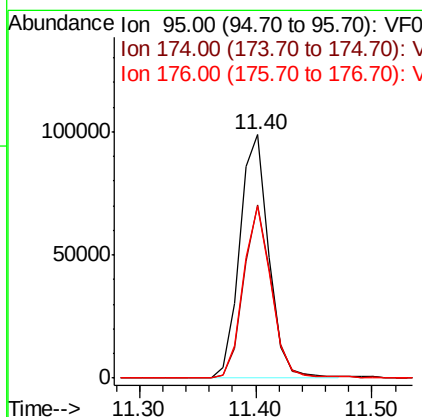
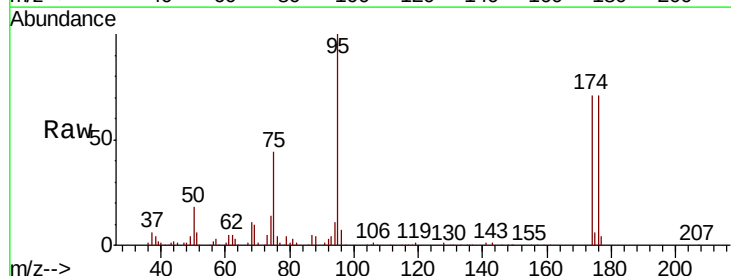
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBSD01

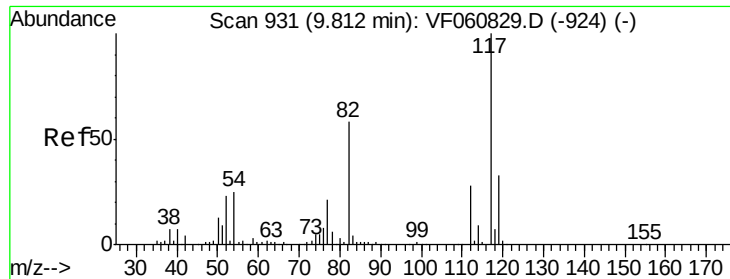
Tot Ion:107 Resp: 35106
 Ion Ratio Lower Upper
 107 100
 109 92.5 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 53.992 ug/l
 RT: 11.40 min Scan# 1092
 Delta R.T. -0.04 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Tgt Ion: 95 Resp: 170636
 Ion Ratio Lower Upper
 95 100
 174 71.0 0.0 138.2
 176 70.7 0.0 146.2

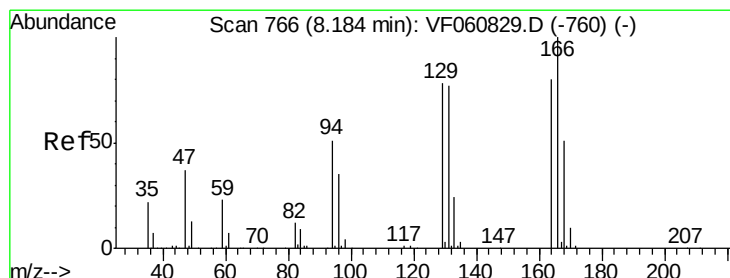
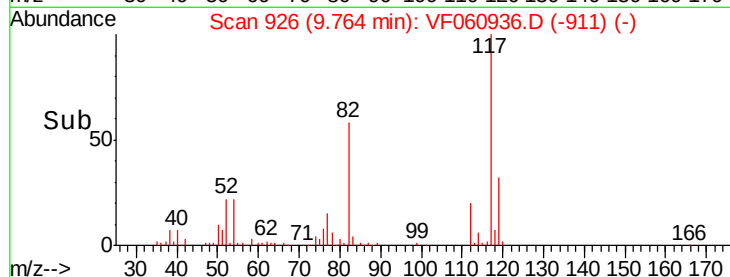
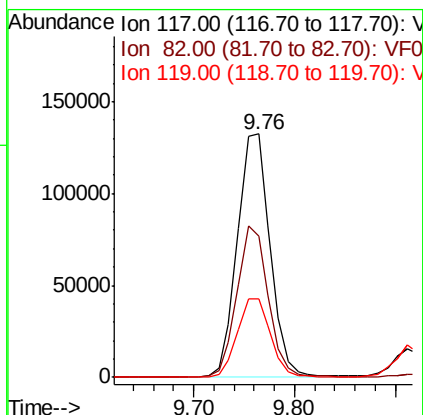
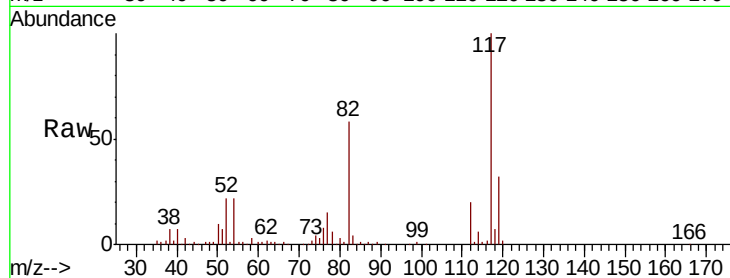




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.05 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

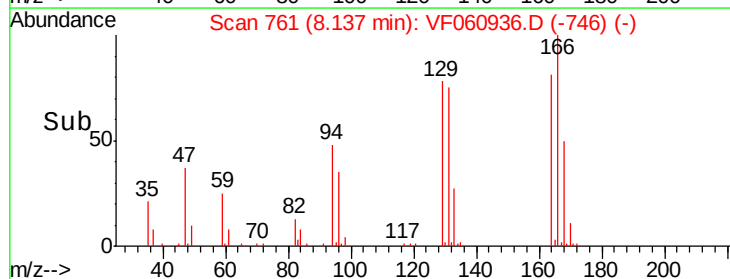
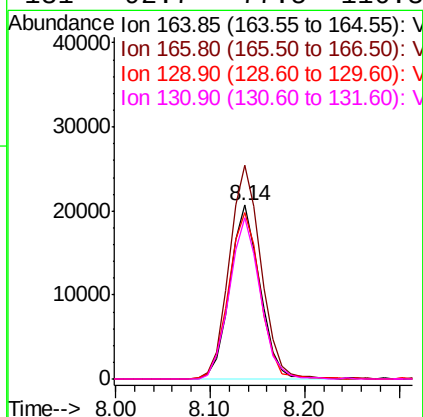
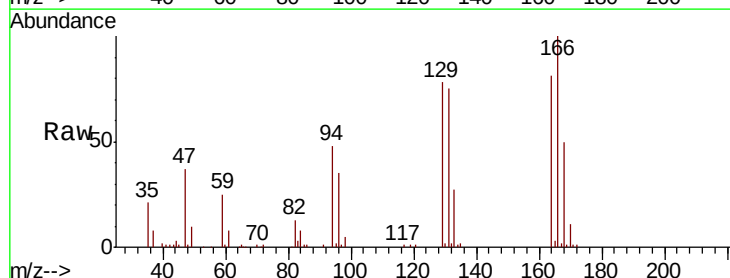
Instrument :
MSVOA_F
ClientSampleId :
VF1207SBSD01

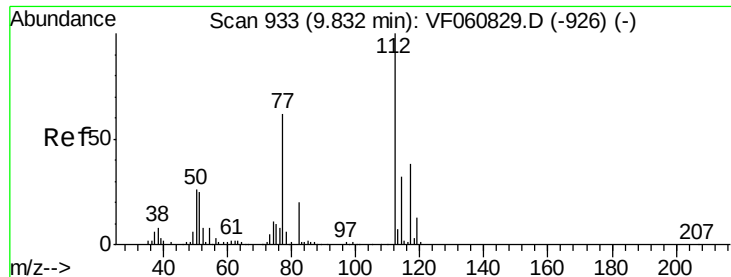
Tot Ion:117 Resp: 301777
Ion Ratio Lower Upper
117 100
82 58.2 46.6 69.8
119 32.2 26.4 39.6



#64
Tetrachloroethene
Concen: 19.831 ug/l
RT: 8.14 min Scan# 761
Delta R.T. -0.05 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Tgt Ion:164 Resp: 45709
Ion Ratio Lower Upper
164 100
166 122.9 100.3 150.5
129 96.0 77.9 116.9
131 92.7 77.5 116.3





#65

Chlorobenzene

Concen: 21.679 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.05 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

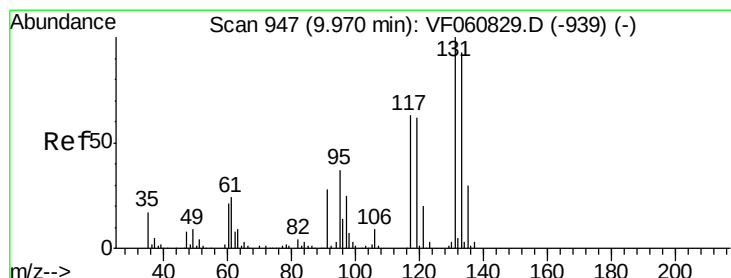
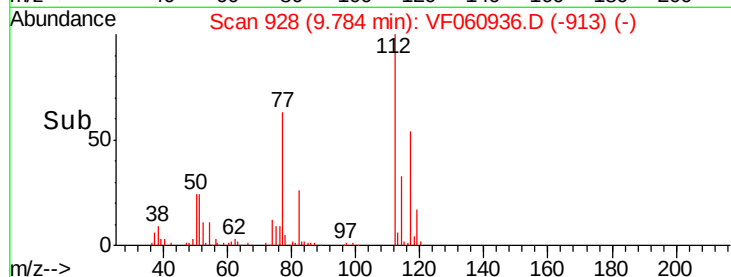
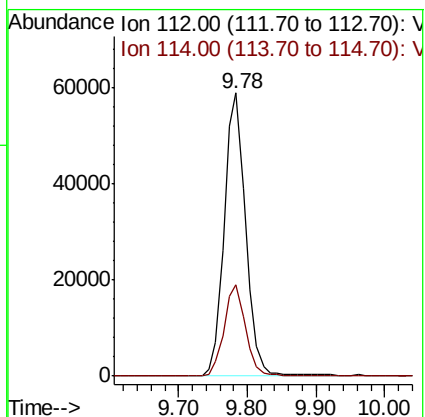
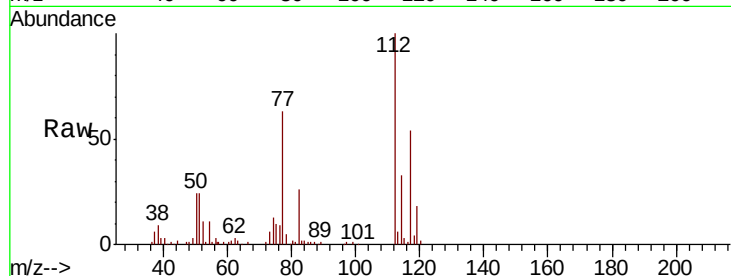
VF1207SBS01

Tot Ion:112 Resp: 127271

Ion Ratio Lower Upper

112 100

114 32.5 26.0 39.0



#66

1,1,1,2-Tetrachloroethane

Concen: 20.449 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.06 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

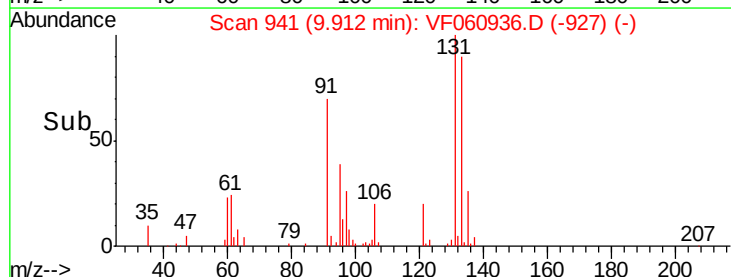
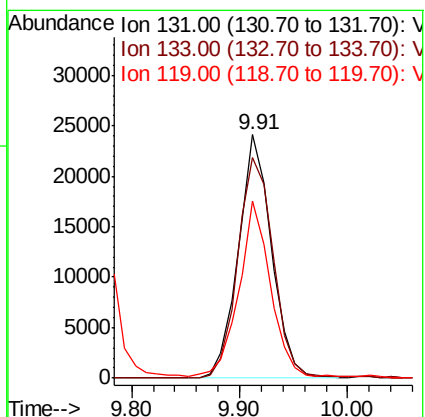
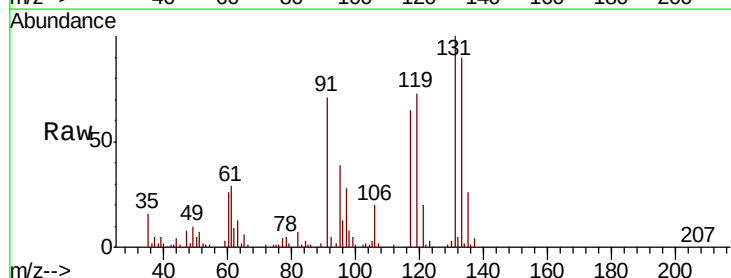
Tgt Ion:131 Resp: 51610

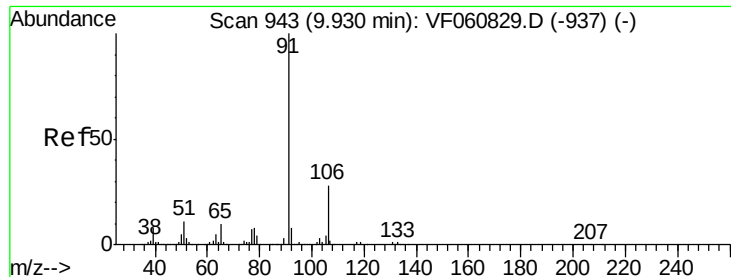
Ion Ratio Lower Upper

131 100

133 90.4 46.5 139.3

119 72.6 31.1 93.3





#67

Ethyl Benzene

Concen: 21.569 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.05 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

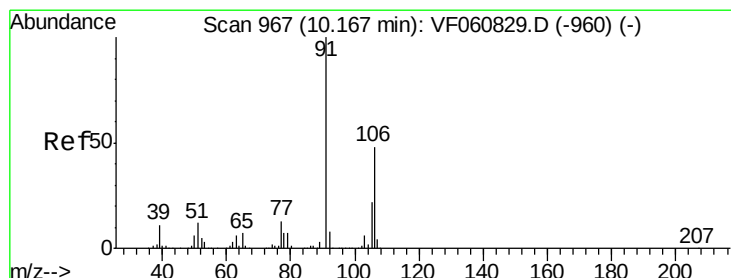
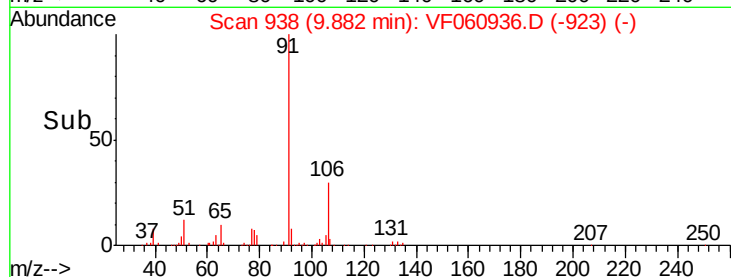
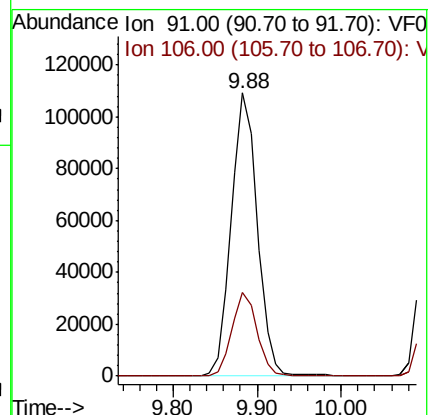
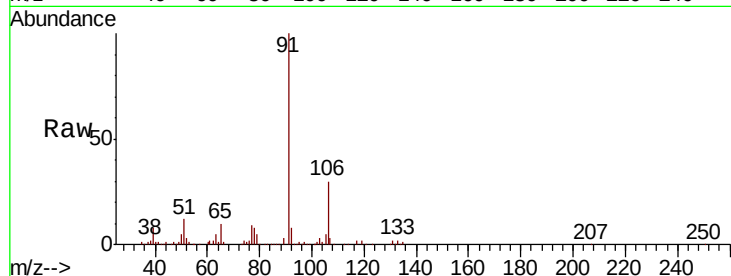
VF1207SBS01

Tot Ion: 91 Resp: 235743

Ion Ratio Lower Upper

91 100

106 29.7 22.2 33.2



#68

m/p-Xylenes

Concen: 42.833 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.06 min

Lab File: VF060936.D

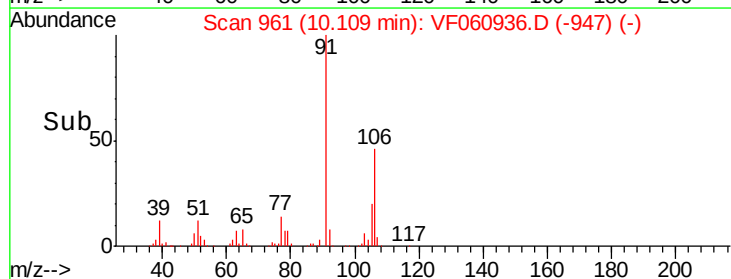
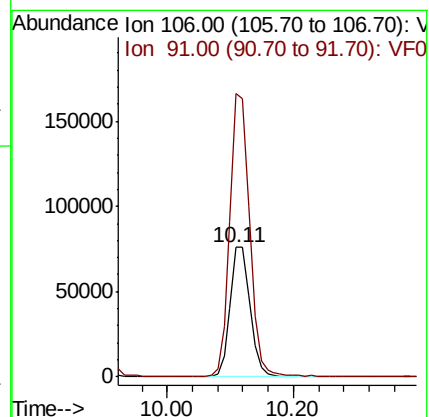
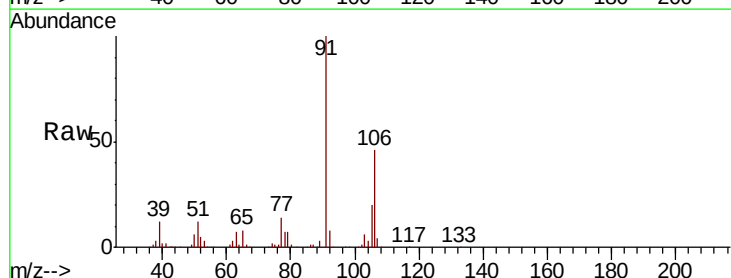
Acq: 7 Dec 2018 18:07

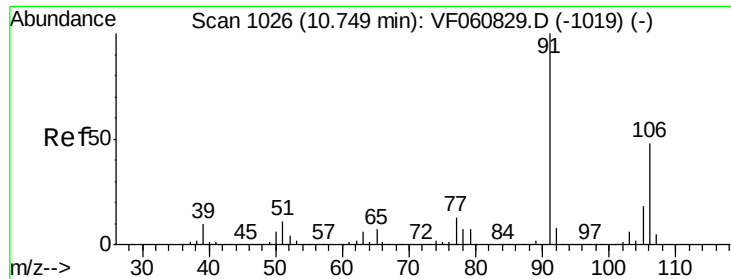
Tgt Ion:106 Resp: 168374

Ion Ratio Lower Upper

106 100

91 218.3 166.7 250.1

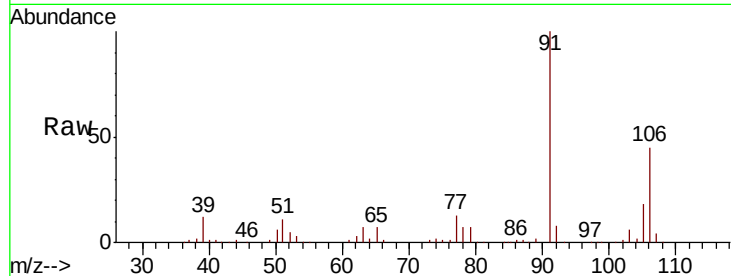




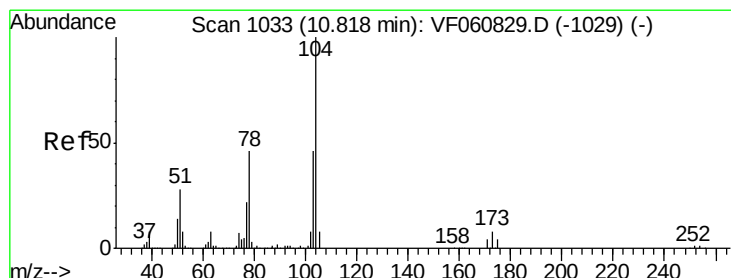
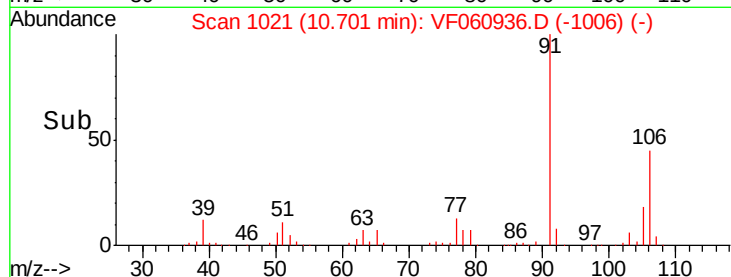
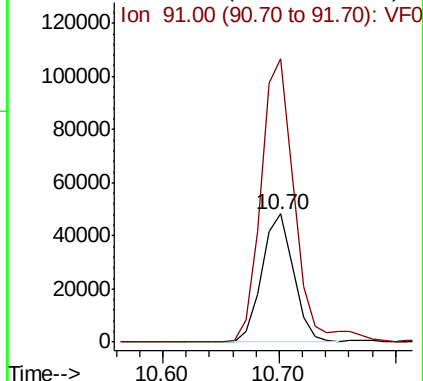
#69
o-Xylene
Concen: 21.051 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.05 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tot Ion:106 Resp: 91249
Ion Ratio Lower Upper
106 100
91 221.0 104.8 314.6

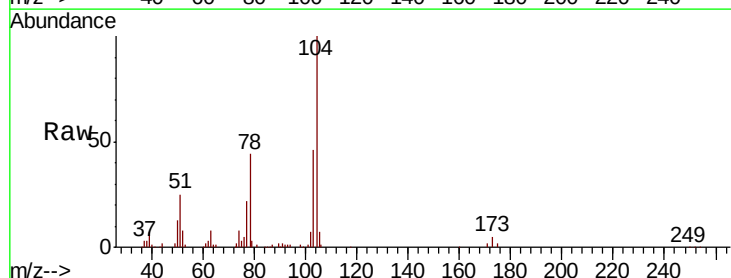


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

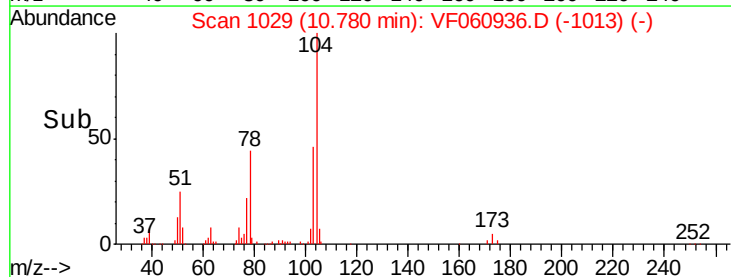
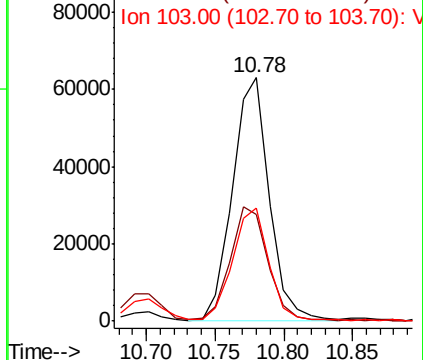


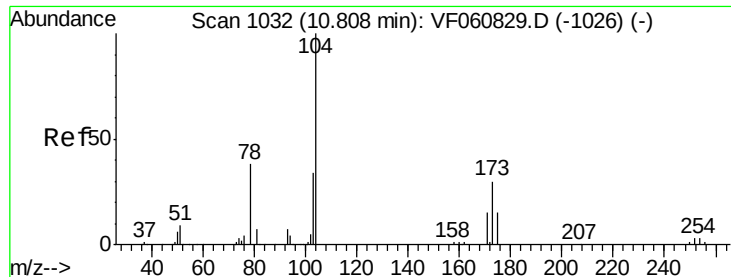
#70
Styrene
Concen: 19.410 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.04 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Tgt Ion:104 Resp: 116628
Ion Ratio Lower Upper
104 100
78 43.6 37.3 55.9
103 46.4 36.8 55.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.379 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.05 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBSD01

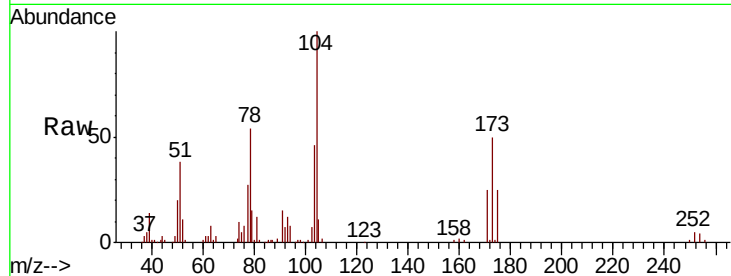
Tot Ion:173 Resp: 24843

Ion Ratio Lower Upper

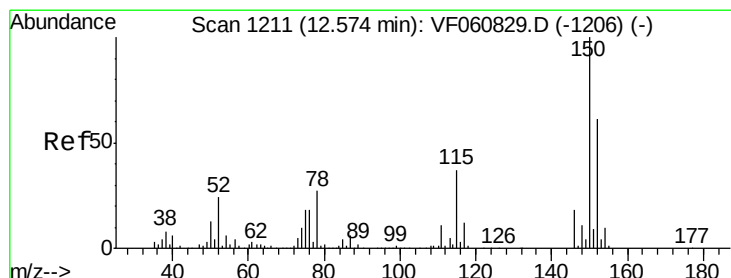
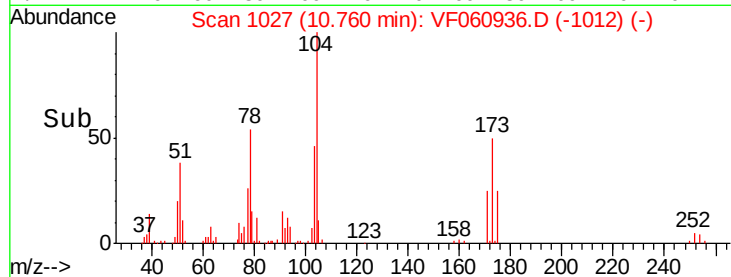
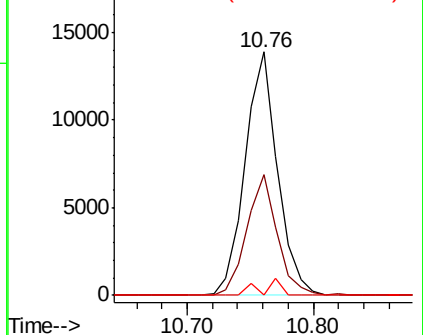
173 100

175 49.6 25.5 76.5

254 0.0 7.5 11.3#



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: 12.54 min Scan# 1207

Delta R.T. -0.04 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

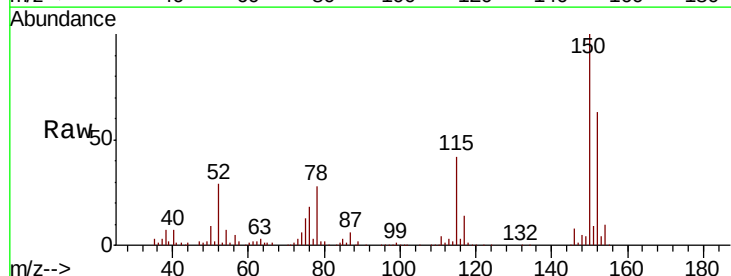
Tgt Ion:152 Resp: 152051

Ion Ratio Lower Upper

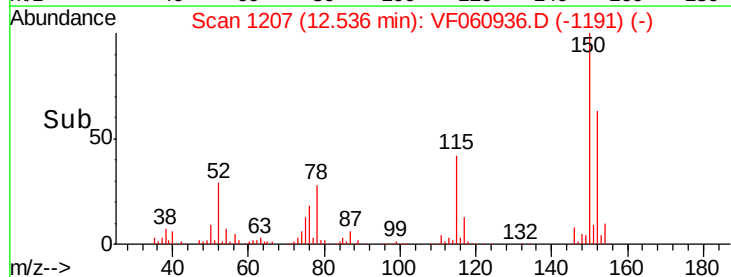
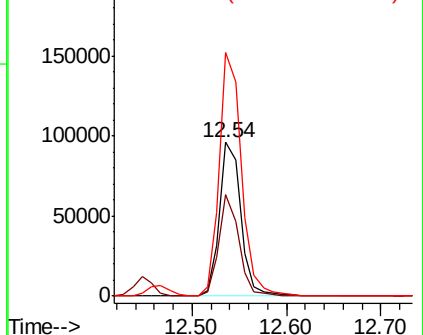
152 100

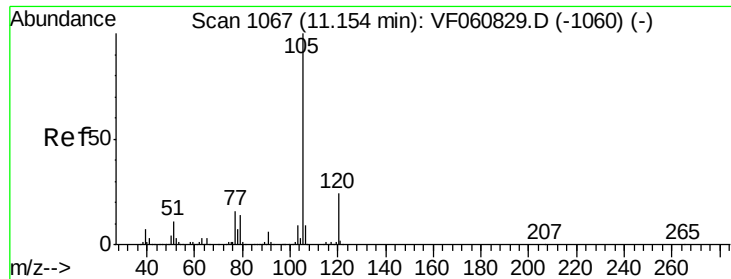
115 65.9 30.1 90.5

150 158.4 0.0 327.6



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 23.483 ug/l

RT: 11.12 min Scan# 1063

Delta R.T. -0.04 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

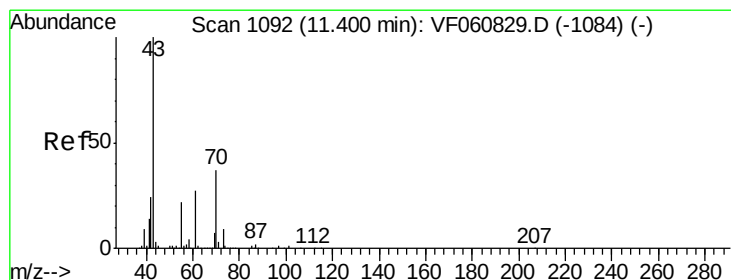
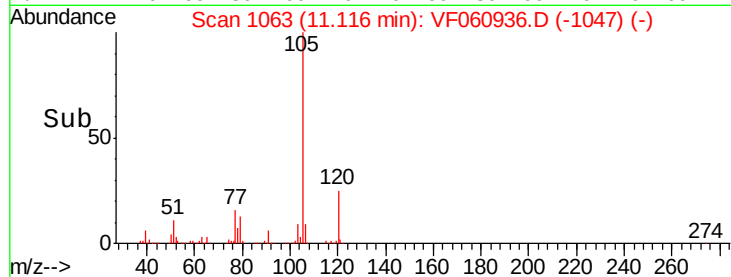
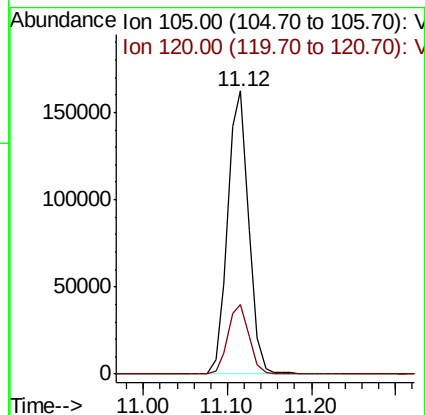
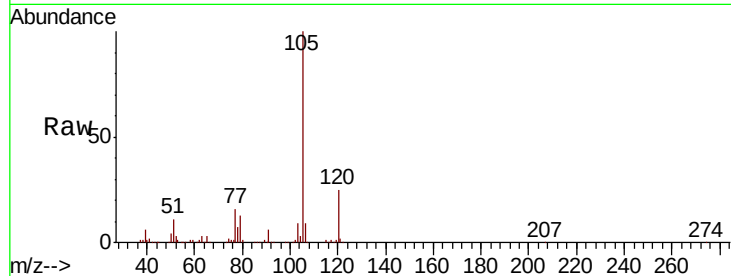
VF1207SBS01

Tot Ion:105 Resp: 282167

Ion Ratio Lower Upper

105 100

120 24.7 12.2 36.4



#74

N-ethyl acetate

Concen: 22.695 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.04 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Tgt Ion: 43 Resp: 62970

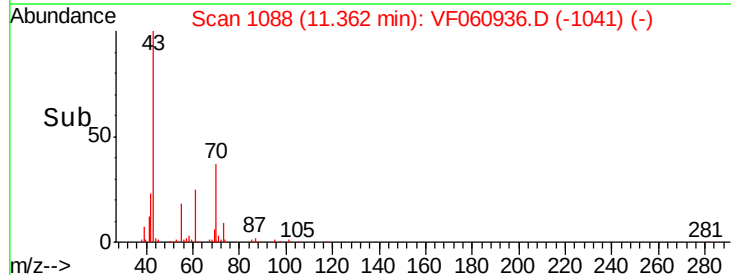
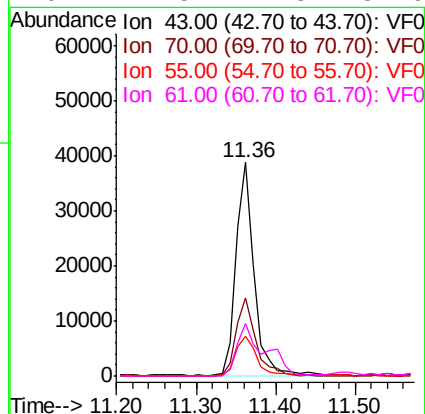
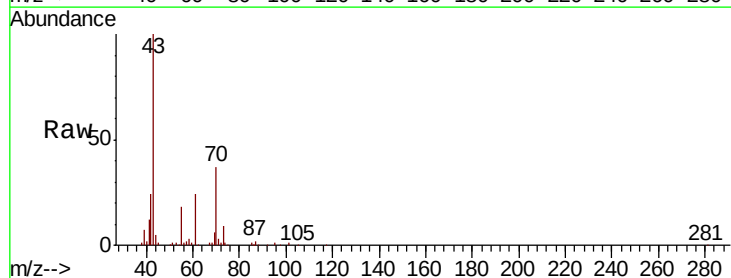
Ion Ratio Lower Upper

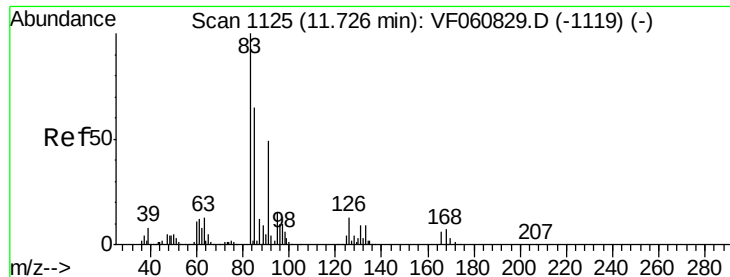
43 100

70 36.8 29.6 44.4

55 18.4 17.2 25.8

61 24.5 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 24.033 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.04 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBSD01

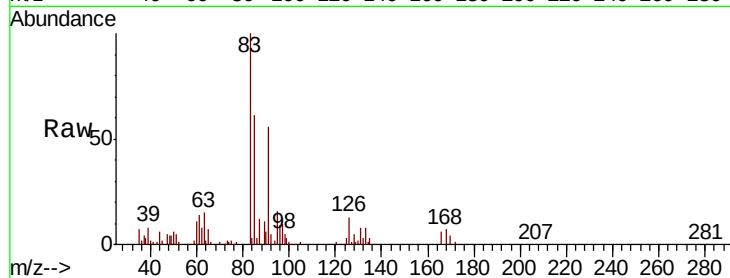
Tot Ion: 83 Resp: 47527

Ion Ratio Lower Upper

83 100

131 8.3 4.7 14.1

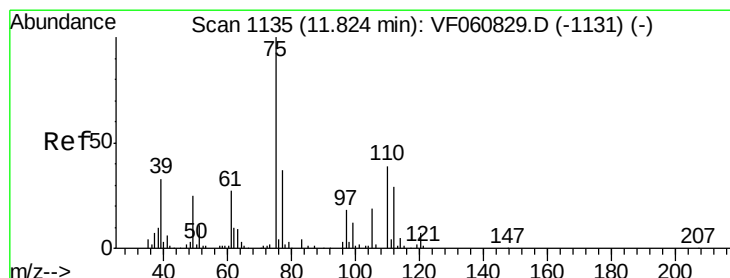
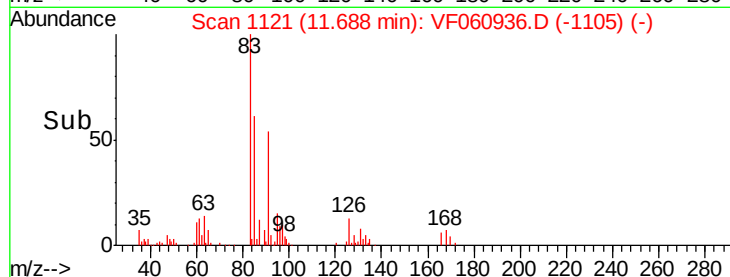
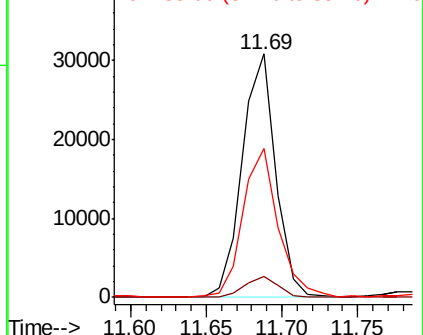
85 61.1 32.6 97.8



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: 14.038 ug/l

RT: 11.86 min Scan# 1138

Delta R.T. 0.03 min

Lab File: VF060936.D

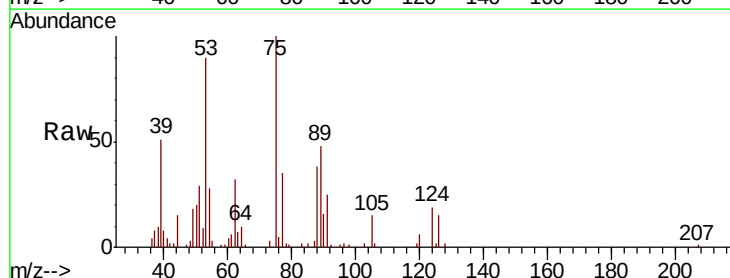
Acq: 7 Dec 2018 18:07

Tgt Ion: 75 Resp: 20179

Ion Ratio Lower Upper

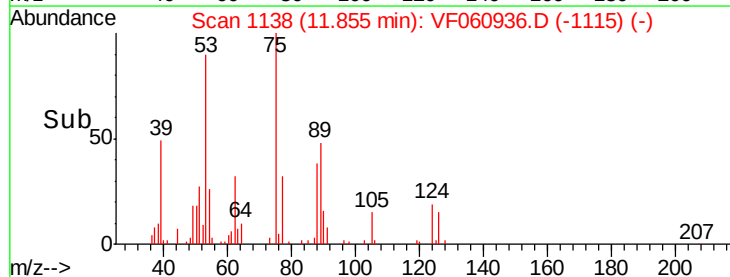
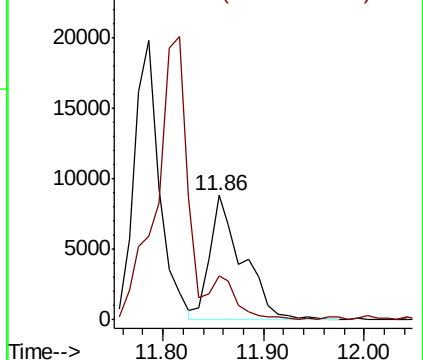
75 100

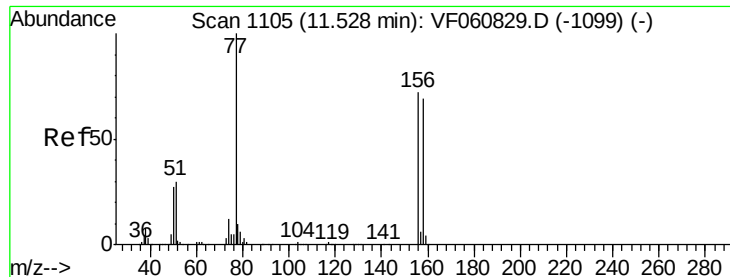
77 35.0 18.4 55.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.698 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.05 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

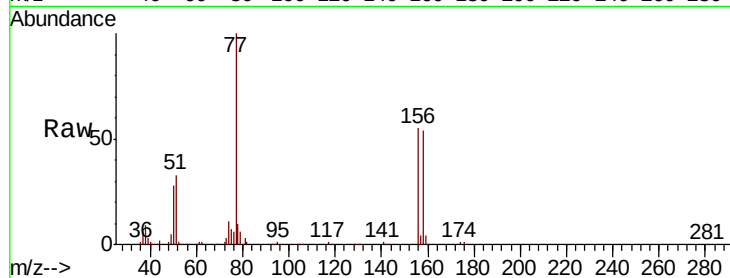
Tot Ion:156 Resp: 57161

Ion Ratio Lower Upper

156 100

77 181.6 69.7 209.0

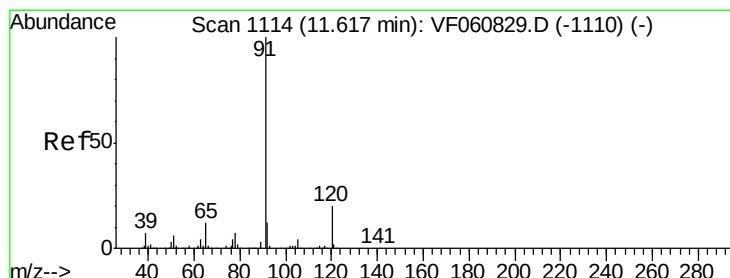
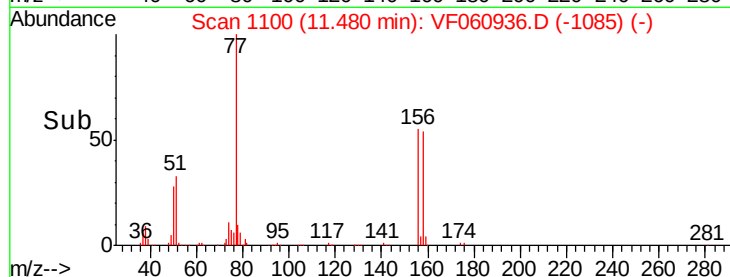
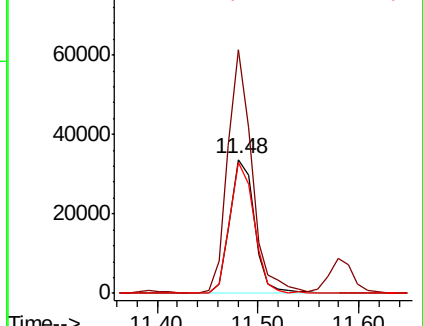
158 97.8 47.8 143.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.891 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. -0.04 min

Lab File: VF060936.D

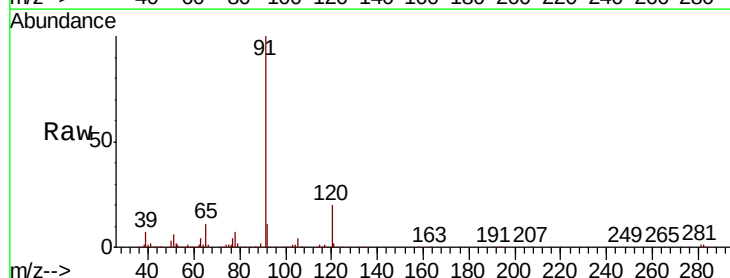
Acq: 7 Dec 2018 18:07

Tgt Ion: 91 Resp: 322113

Ion Ratio Lower Upper

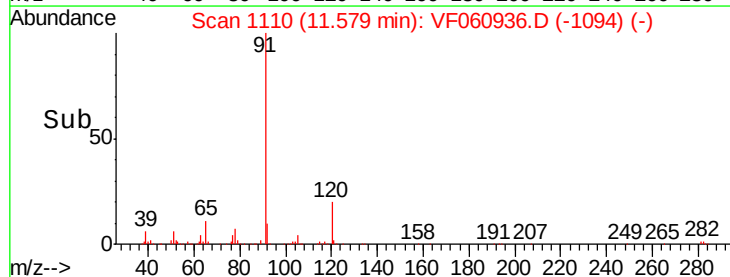
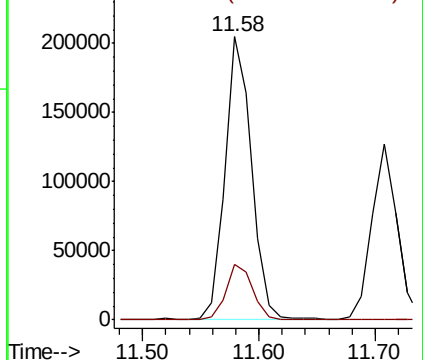
91 100

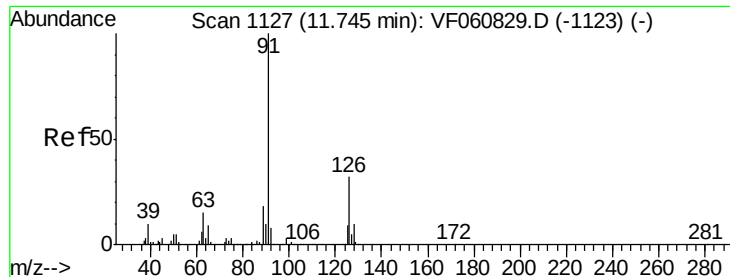
120 19.5 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

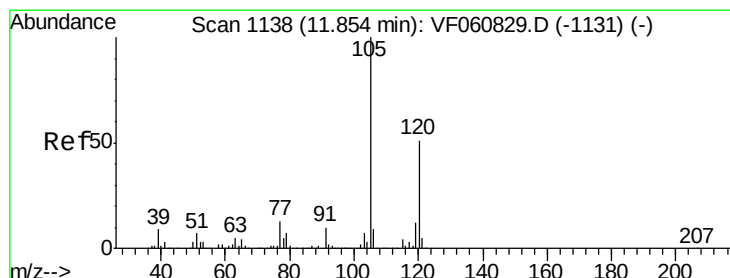
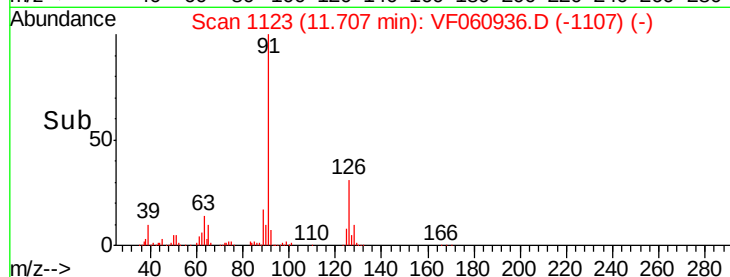
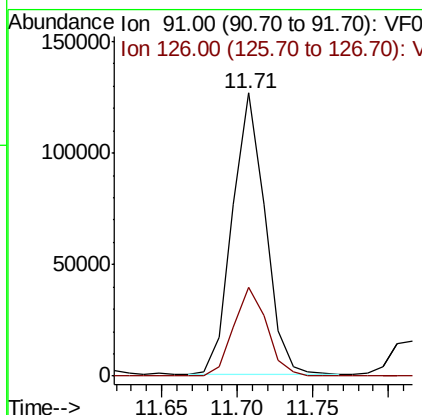
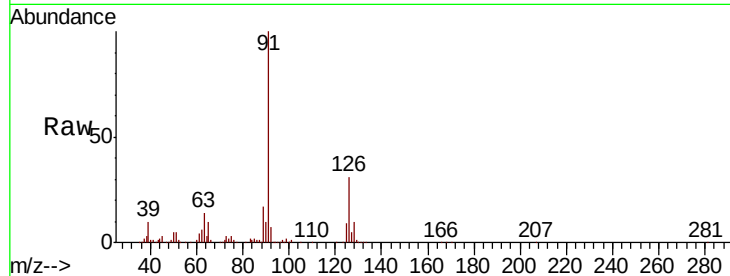




#79
 2-Chlorotoluene
 Concen: 23.669 ug/l
 RT: 11.71 min Scan# 1123
 Delta R.T. -0.04 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

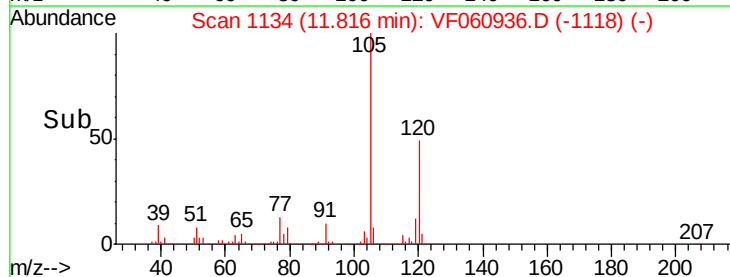
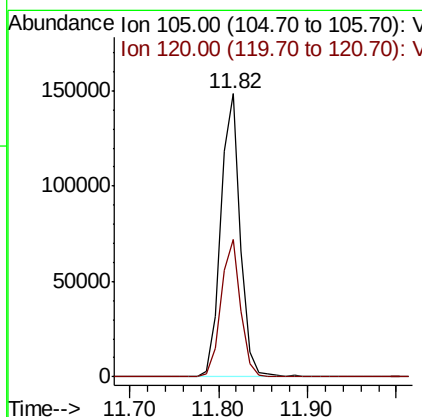
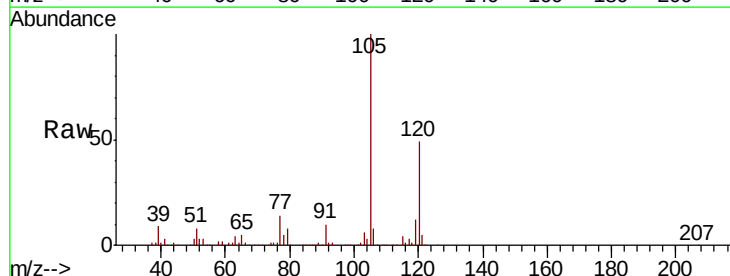
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBS01

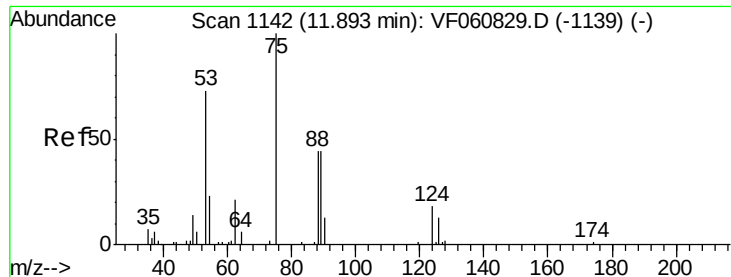
Tot Ion: 91 Resp: 190974
 Ion Ratio Lower Upper
 91 100
 126 31.3 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 23.496 ug/l
 RT: 11.82 min Scan# 1134
 Delta R.T. -0.04 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Tgt Ion: 105 Resp: 229192
 Ion Ratio Lower Upper
 105 100
 120 48.6 25.8 77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 28.652 ug/l

RT: 11.86 min Scan# 1138

Delta R.T. -0.04 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

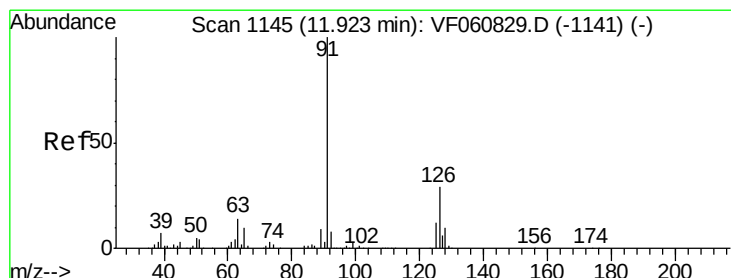
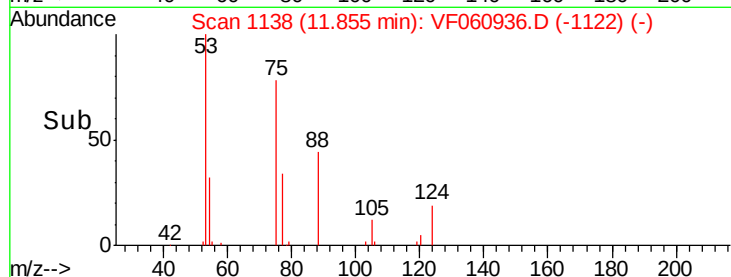
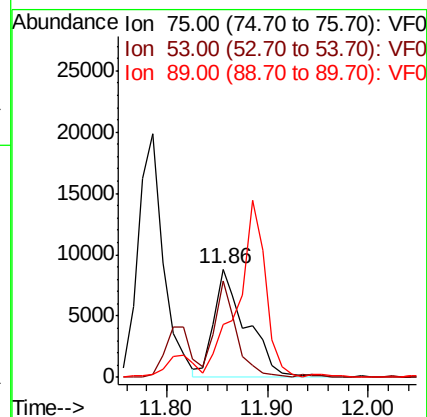
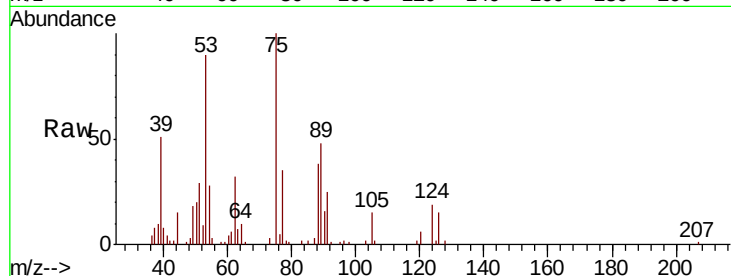
Tot Ion: 75 Resp: 20179

Ion Ratio Lower Upper

75 100

53 89.6 65.9 98.9

89 48.3 38.8 58.2



#82

4-Chlorotoluene

Concen: 22.748 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.04 min

Lab File: VF060936.D

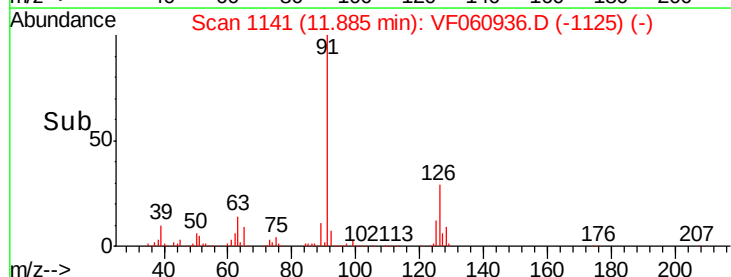
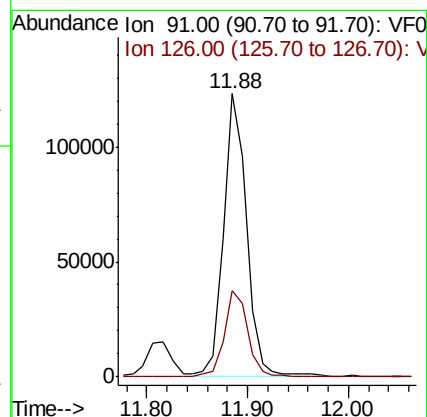
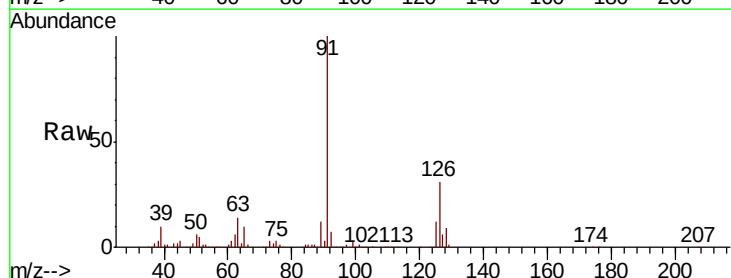
Acq: 7 Dec 2018 18:07

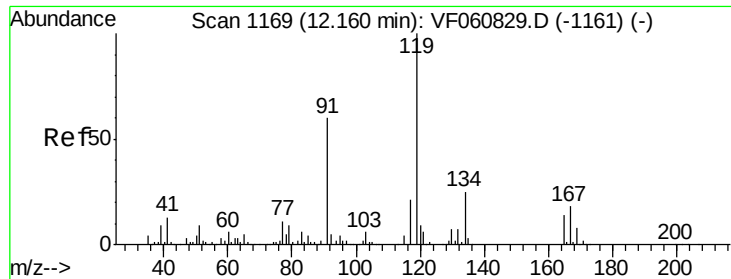
Tgt Ion: 91 Resp: 193155

Ion Ratio Lower Upper

91 100

126 30.5 14.8 44.4

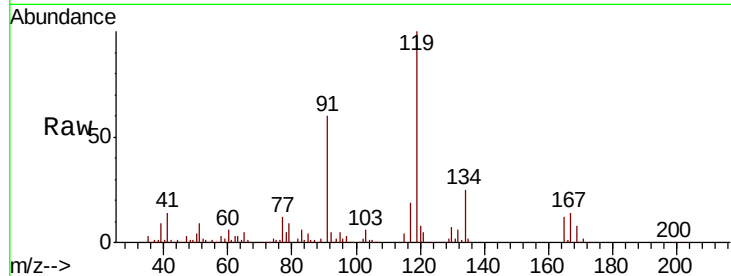




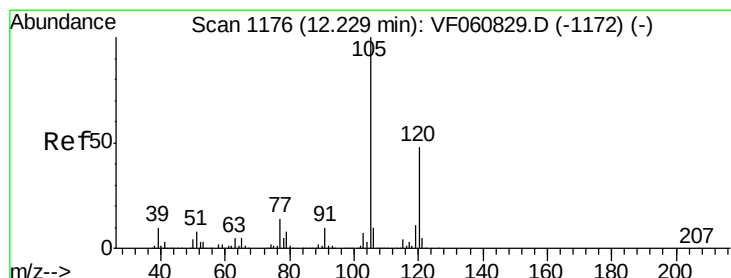
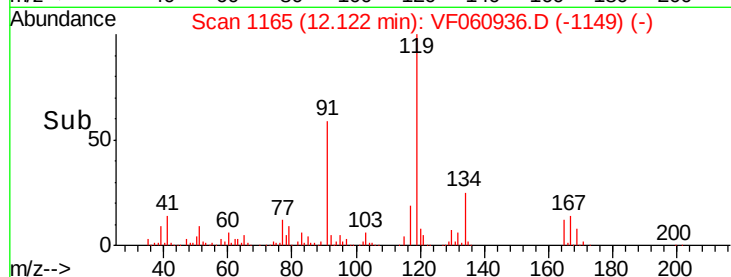
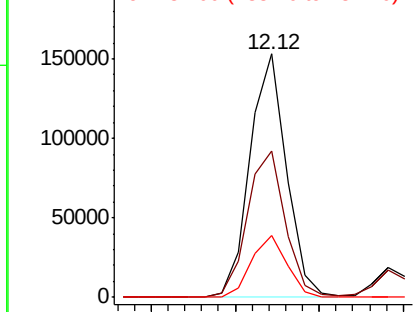
#83
 tert-Butylbenzene
 Concen: 23.164 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.04 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBS01

Tot Ion:119 Resp: 230168
 Ion Ratio Lower Upper
 119 100
 91 60.0 30.1 90.3
 134 25.3 12.6 37.8

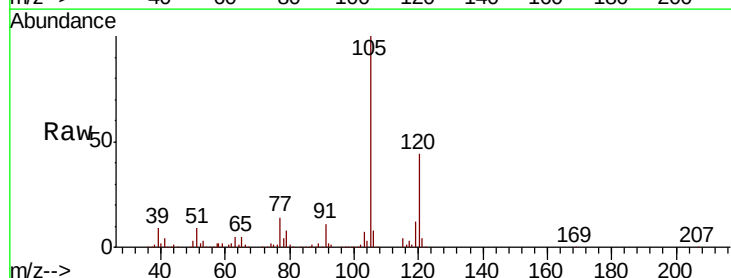


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

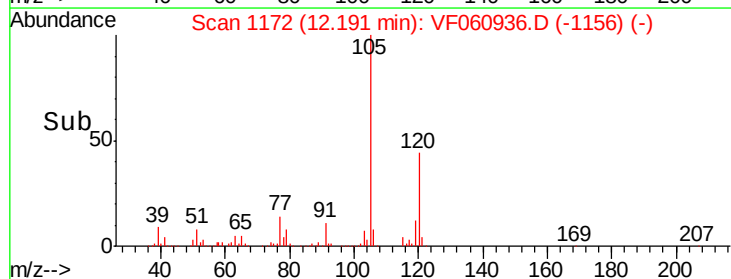
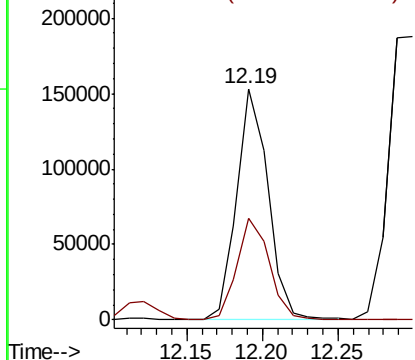


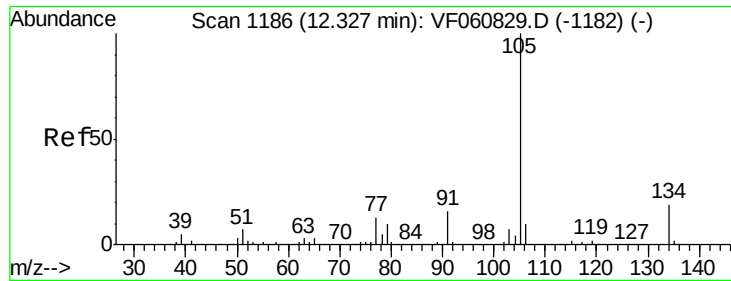
#84
 1,2,4-Trimethylbenzene
 Concen: 22.769 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.04 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Tgt Ion:105 Resp: 221667
 Ion Ratio Lower Upper
 105 100
 120 43.9 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

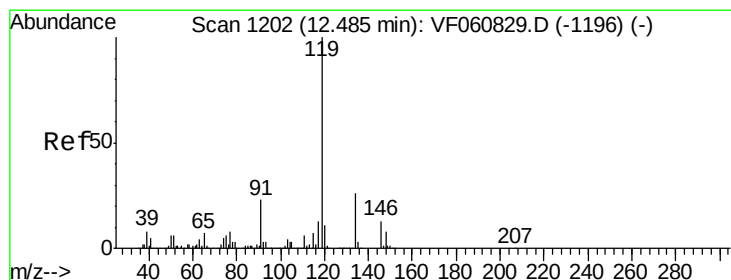
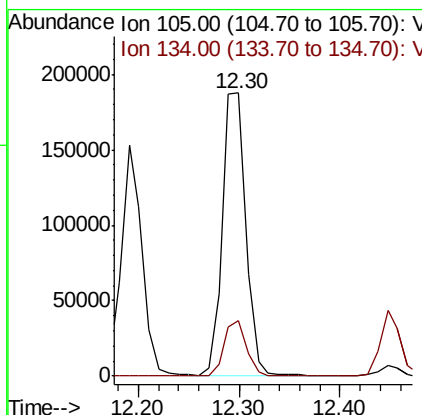
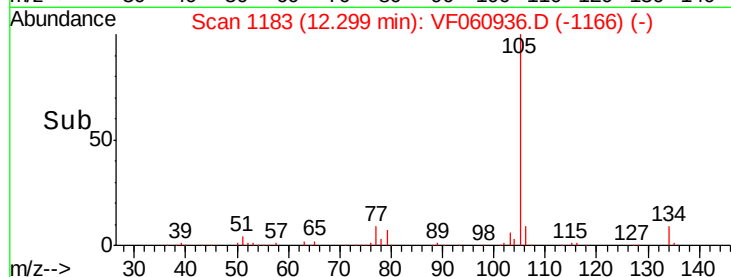
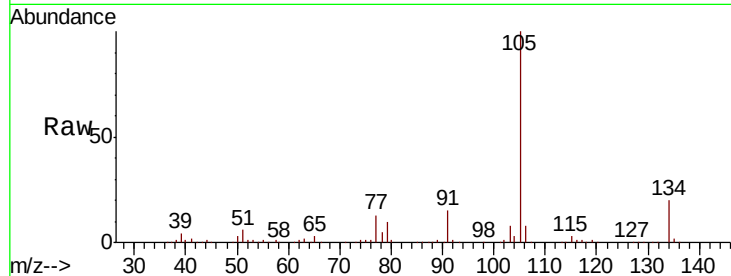




#85
 sec-Butylbenzene
 Concen: 22.515 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.03 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

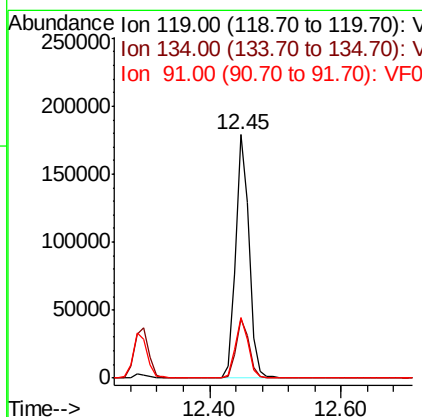
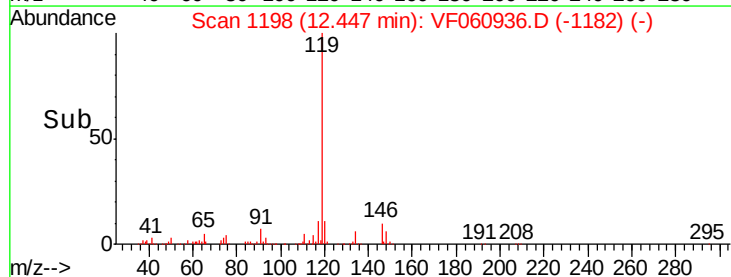
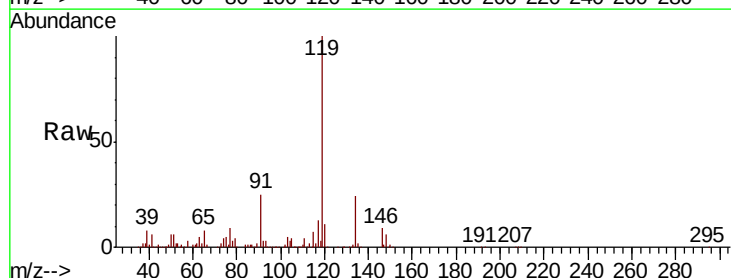
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBS01

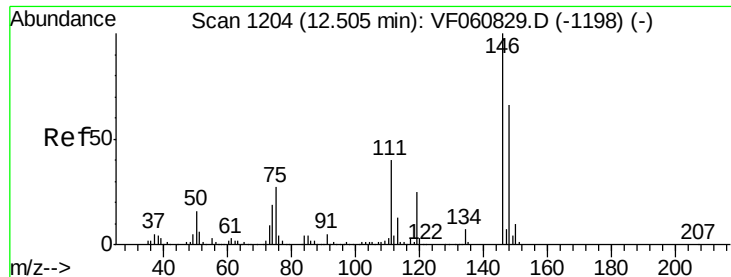
Tot Ion:105 Resp: 306262
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 22.495 ug/l
 RT: 12.45 min Scan# 1198
 Delta R.T. -0.04 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Tgt Ion:119 Resp: 256539
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.9 38.6
 91 25.1 11.8 35.3

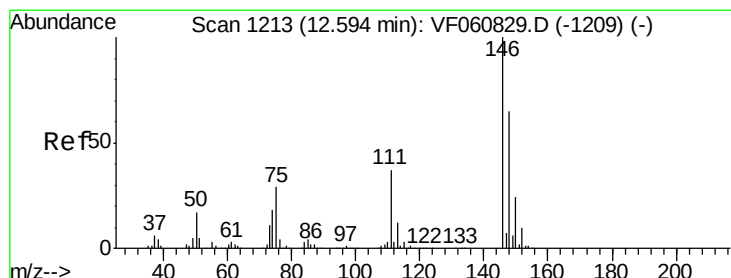
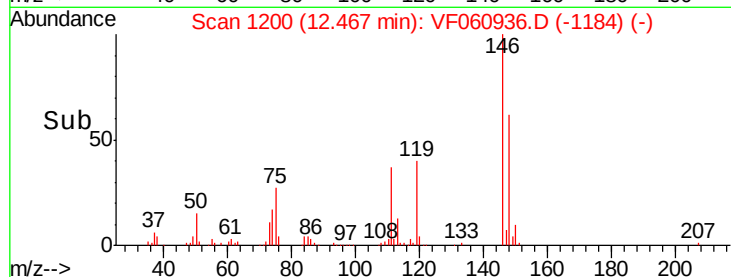
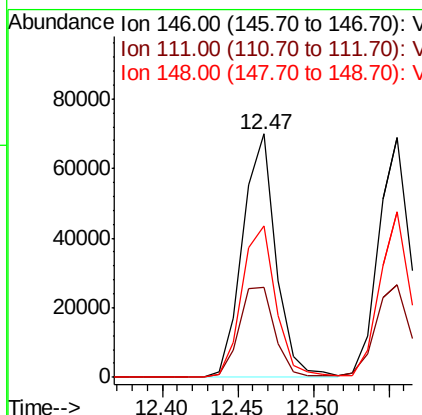
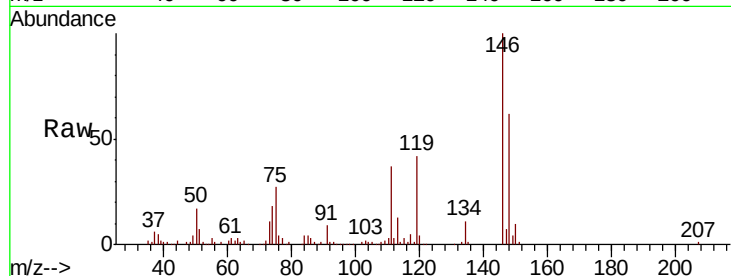




#87
 1,3-Dichlorobenzene
 Concen: 21.436 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. -0.04 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

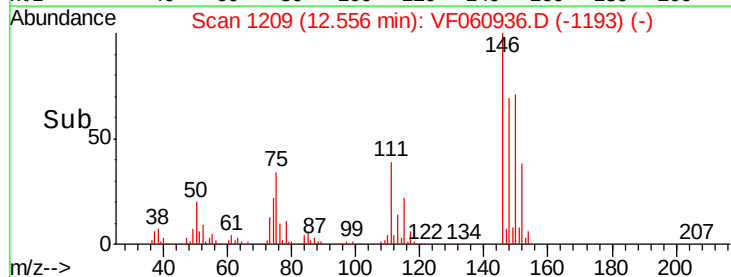
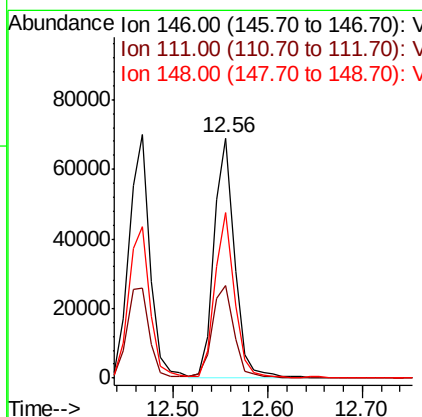
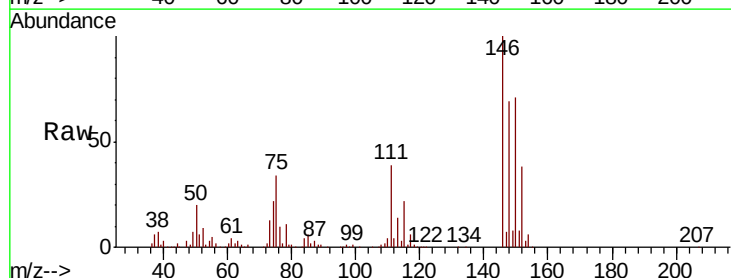
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBS01

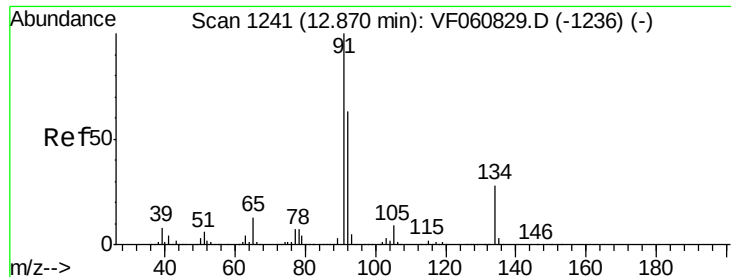
Tot Ion:146 Resp: 107415
 Ion Ratio Lower Upper
 146 100
 111 37.1 20.0 59.9
 148 62.2 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 21.381 ug/l
 RT: 12.56 min Scan# 1209
 Delta R.T. -0.04 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Tgt Ion:146 Resp: 104411
 Ion Ratio Lower Upper
 146 100
 111 38.8 18.9 56.7
 148 68.7 32.3 96.9





#89

n-Butylbenzene

Concen: 23.482 ug/l

RT: 12.83 min Scan# 1237

Delta R.T. -0.04 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

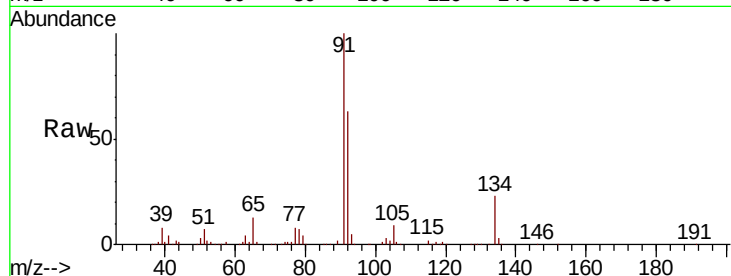
Tot Ion: 91 Resp: 270778

Ion Ratio Lower Upper

91 100

92 62.9 31.6 94.7

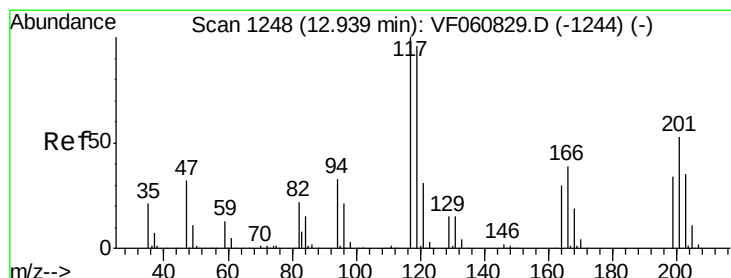
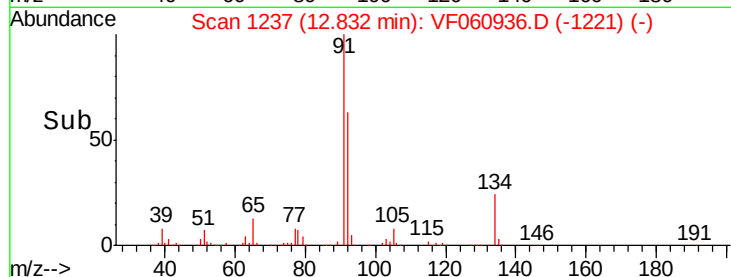
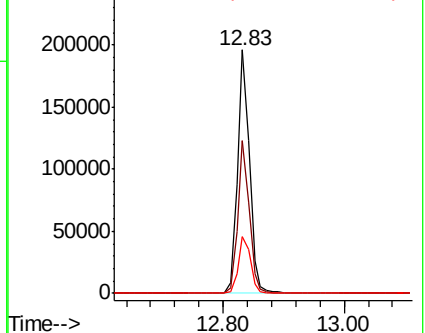
134 23.5 13.8 41.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 22.598 ug/l

RT: 12.91 min Scan# 1245

Delta R.T. -0.03 min

Lab File: VF060936.D

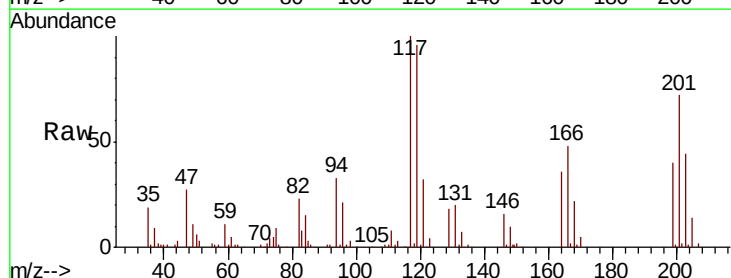
Acq: 7 Dec 2018 18:07

Tgt Ion: 117 Resp: 62057

Ion Ratio Lower Upper

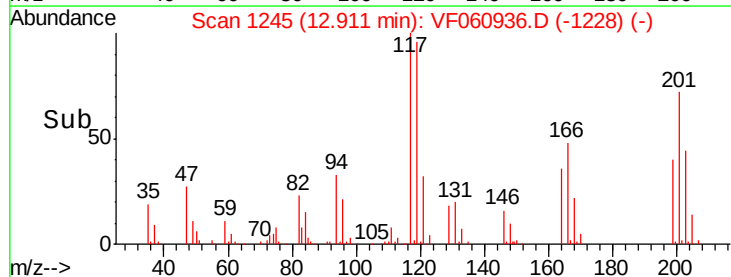
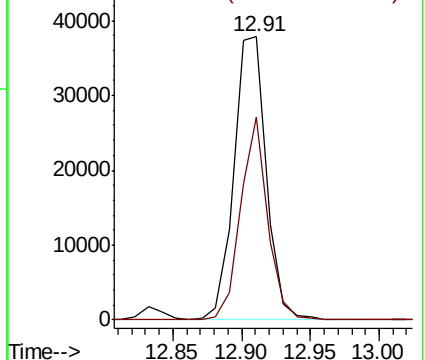
117 100

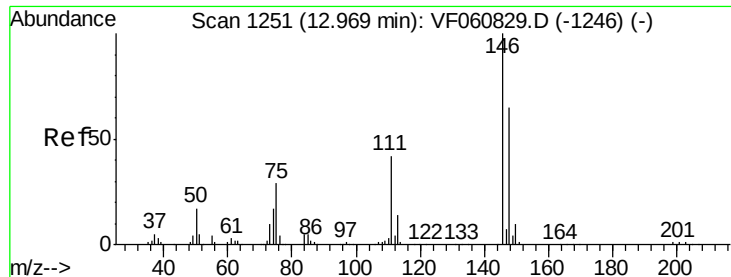
201 71.8 26.7 80.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

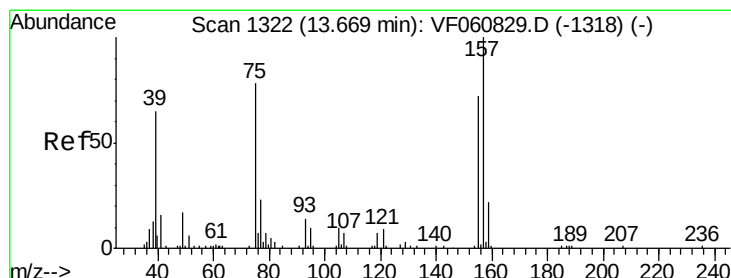
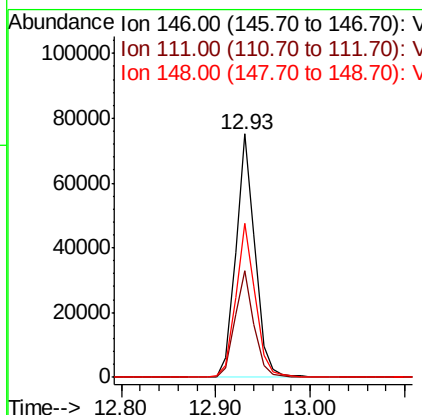
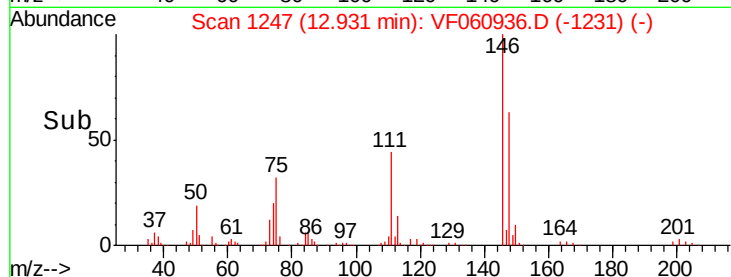
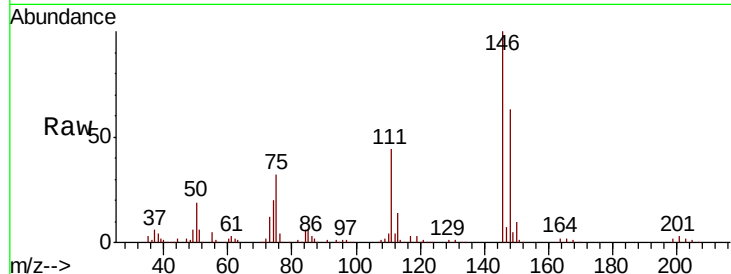




#91
 1,2-Dichlorobenzene
 Concen: 22.451 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.04 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

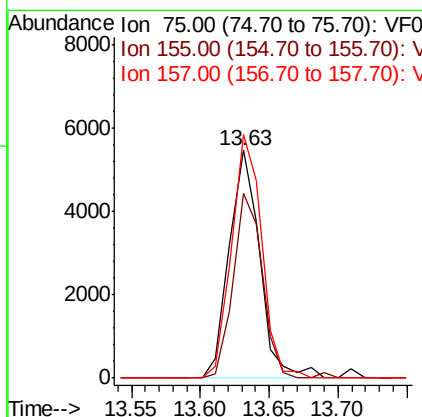
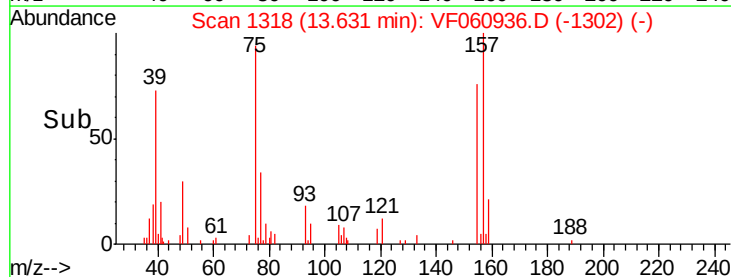
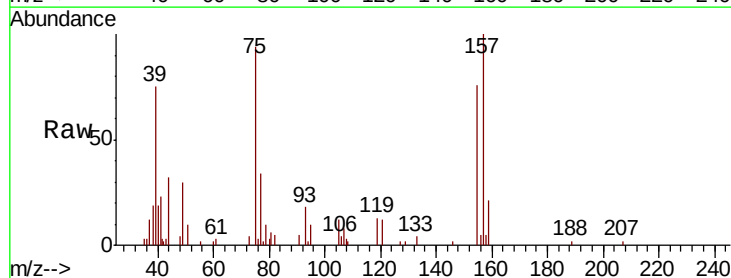
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBSD01

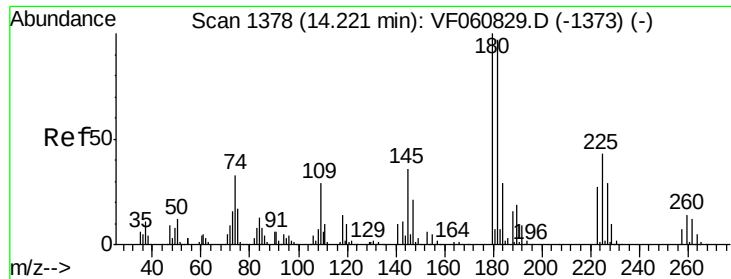
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.2	63.6
148	63.5	32.5	97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.028 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.04 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.7	45.6	136.9
157	106.8	63.8	191.5

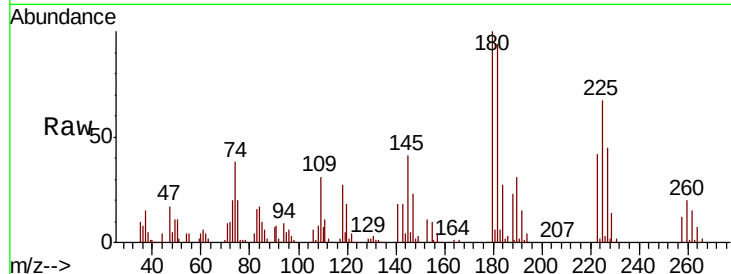




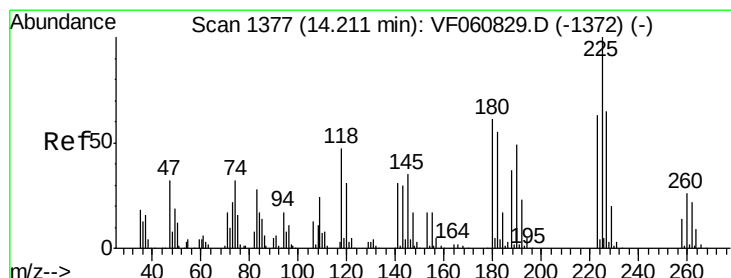
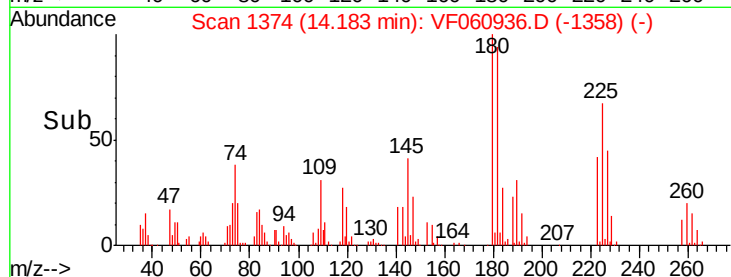
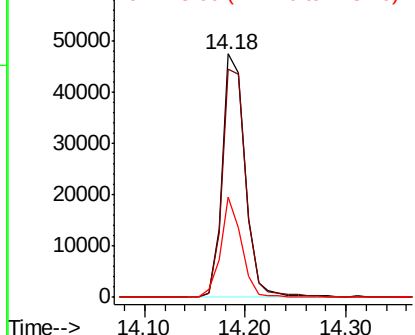
#93
 1,2,4-Trichlorobenzene
 Concen: 22.782 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.04 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBSD01

Tot Ion:180 Resp: 75538
 Ion Ratio Lower Upper
 180 100
 182 94.0 48.5 145.5
 145 41.0 18.1 54.3

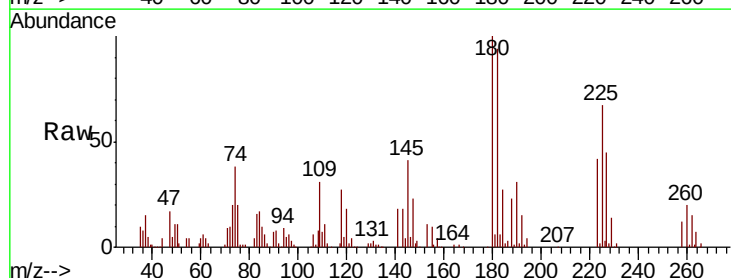


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

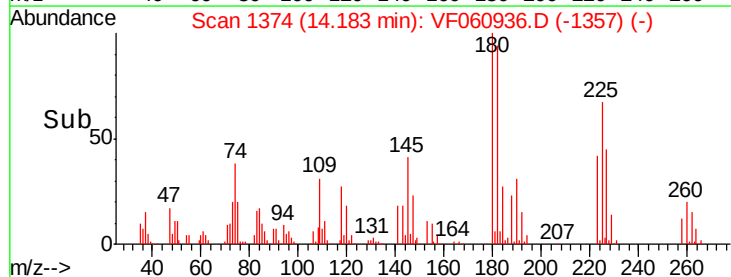
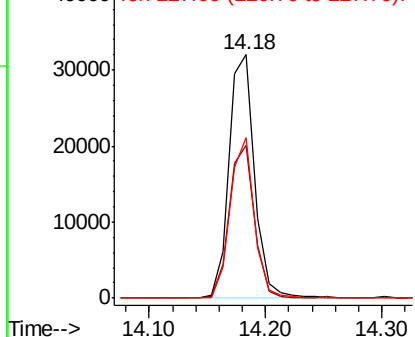


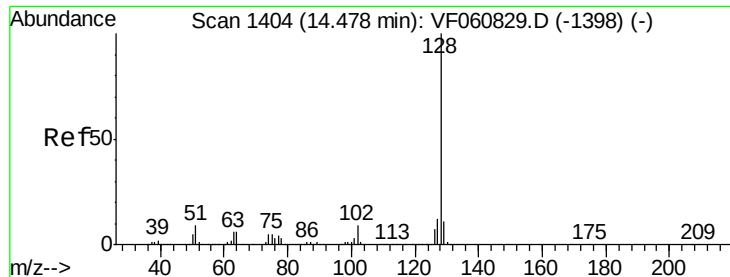
#94
 Hexachlorobutadiene
 Concen: 21.966 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.03 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Tgt Ion:225 Resp: 48551
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.4 94.3
 227 66.0 32.5 97.5



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: 17.493 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.03 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBSD01

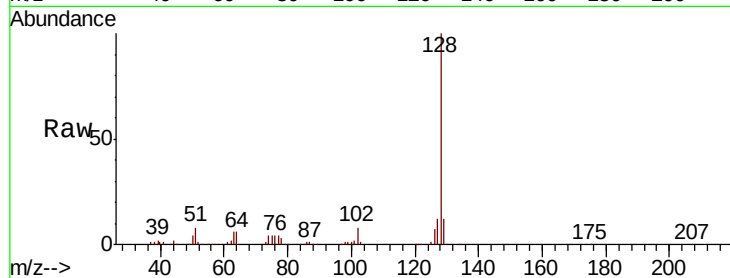
Tot Ion:128 Resp: 127214

Ion Ratio Lower Upper

128 100

127 12.2 9.9 14.9

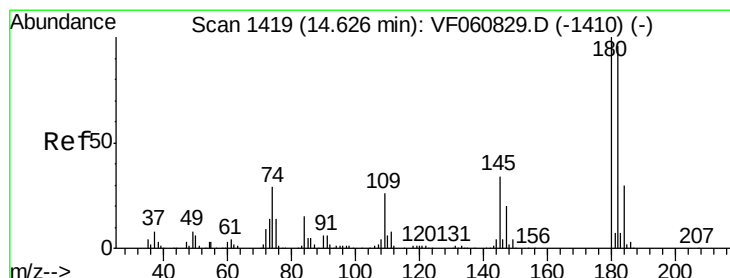
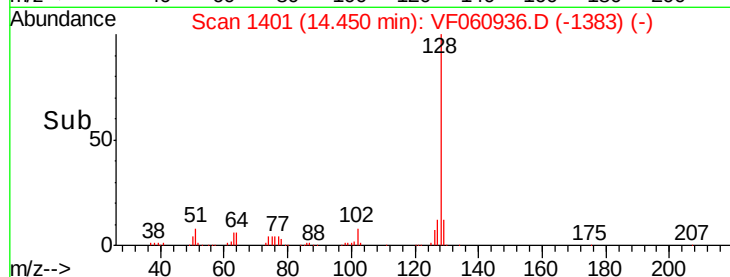
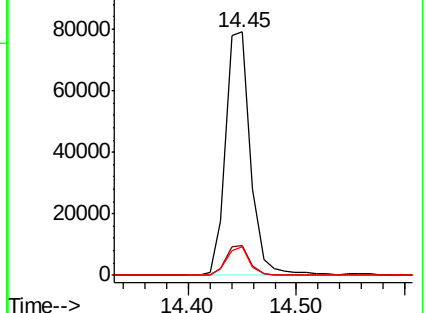
129 11.9 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.877 ug/l

RT: 14.59 min Scan# 1415

Delta R.T. -0.04 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

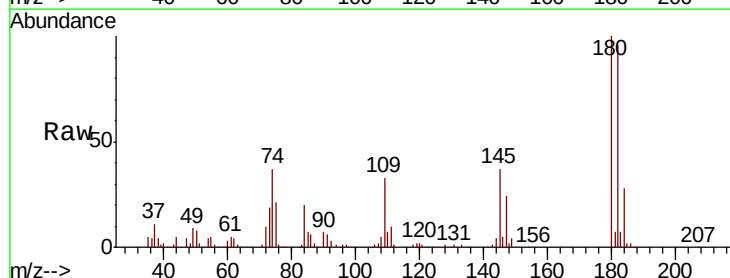
Tgt Ion:180 Resp: 70429

Ion Ratio Lower Upper

180 100

182 96.5 47.9 143.8

145 37.0 17.2 51.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

