

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112918\
 Data File : VF060868.D
 Acq On : 29 Nov 2018 15:39
 Operator : VA/AP
 Sample : VF1129SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1129SBS01

Quant Time: Nov 30 05:57:32 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	4.88	168	209685	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.61	114	343525	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.78	117	308602	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	172625	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	129743	52.52	ug/l	-0.03
Spiked Amount			Recovery	=	105.04%	
35) Dibromofluoromethane	4.12	113	142924	52.44	ug/l	-0.03
Spiked Amount			Recovery	=	104.88%	
50) Toluene-d8	7.56	98	382931	47.70	ug/l	-0.03
Spiked Amount			Recovery	=	95.40%	
62) 4-Bromofluorobenzene	11.42	95	181242	49.68	ug/l	-0.02
Spiked Amount			Recovery	=	99.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	73395	23.410	ug/l	99
3) Chloromethane	1.10	50	48619	23.831	ug/l	96
4) Vinyl Chloride	1.15	62	45540	23.931	ug/l	96
5) Bromomethane	1.33	94	29557	22.027	ug/l	87
6) Chloroethane	1.39	64	19196	23.336	ug/l	97
7) Trichlorofluoromethane	1.50	101	93154	22.815	ug/l	90
8) Diethyl Ether	1.63	74	12658	21.559	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.83	101	45149	21.873	ug/l	95
10) Methyl Iodide	1.91	142	54008	17.213	ug/l	98
11) Tert butyl alcohol	2.57	59	12229	120.771	ug/l	99
12) 1,1-Dichloroethene	1.79	96	35819	21.574	ug/l	96
13) Acrolein	1.85	56	523	5.451	ug/l	84
14) Allyl chloride	2.10	41	58512	28.275	ug/l	96
15) Acrylonitrile	2.95	53	23907	105.312	ug/l	92
16) Acetone	2.25	43	56591	124.236	ug/l	93
17) Carbon Disulfide	1.80	76	102053	22.924	ug/l	97
18) Methyl Acetate	2.35	43	21132	26.889	ug/l	97
19) Methyl tert-butyl Ether	2.43	73	78349	20.952	ug/l	95
20) Methylene Chloride	2.25	84	20646	12.355	ug/l	87
21) trans-1,2-Dichloroethene	2.31	96	38317	23.938	ug/l	94
22) Diisopropyl ether	2.80	45	130349	23.141	ug/l	93
23) Vinyl Acetate	3.19	43	287009	111.466	ug/l	98
24) 1,1-Dichloroethane	2.88	63	76941	22.958	ug/l	99
25) 2-Butanone	4.34	43	87878	111.538	ug/l	99
26) 2,2-Dichloropropane	3.61	77	48678	22.404	ug/l	99
27) cis-1,2-Dichloroethene	3.48	96	54493	20.911	ug/l	95
28) Bromochloromethane	3.73	49	35523	22.086	ug/l	100
29) Tetrahydrofuran	4.08	42	33276	99.638	ug/l	95
30) Chloroform	3.86	83	109224	21.176	ug/l	98
31) Cyclohexane	3.71	56	78695	22.626	ug/l	93
36) 1,1-Dichloropropene	4.29	75	82513	21.655	ug/l	95
37) Ethyl Acetate	4.11	43	32707	21.123	ug/l #	70
38) Carbon Tetrachloride	3.99	117	67408	20.030	ug/l	91
39) Methylcyclohexane	5.46	83	86881	21.758	ug/l	93

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.64	78	188781	22.427	ug/l	100
41) Methacrylonitrile	4.76	41	17368	19.281	ug/l #	90
42) 1,2-Dichloroethane	4.95	62	62836	20.447	ug/l	99
43) Isopropyl Acetate	6.96	43	38648	18.518	ug/l #	94
44) Trichloroethene	5.51	130	56230	20.430	ug/l	99
45) 1,2-Dichloropropane	6.24	63	45355	20.746	ug/l	97
46) Dibromomethane	6.09	93	31751	21.410	ug/l	94
47) Bromodichloromethane	6.39	83	80430	20.419	ug/l	93
48) Methyl methacrylate	6.72	41	26599	18.978	ug/l	94
49) 1,4-Dioxane	6.72	88	4416	430.510	ug/l #	75
51) 4-Methyl-2-Pentanone	8.27	43	135322	94.772	ug/l	95
52) Toluene	7.63	92	113533	19.202	ug/l	97
53) t-1,3-Dichloropropene	8.28	75	63145	19.708	ug/l	91
54) cis-1,3-Dichloropropene	7.31	75	83439	21.036	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	34195	19.848	ug/l	95
56) Ethyl methacrylate	8.63	69	36013	18.817	ug/l	96
57) 1,3-Dichloropropane	8.86	76	62406	20.704	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.31	63	15991	81.685	ug/l #	84
59) 2-Hexanone	9.50	43	105827	105.644	ug/l	96
60) Dibromochloromethane	8.73	129	50257	19.578	ug/l	93
61) 1,2-Dibromoethane	8.99	107	35500	19.074	ug/l	94
64) Tetrachloroethene	8.16	164	52382	22.223	ug/l	96
65) Chlorobenzene	9.80	112	129155	21.513	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.94	131	54598	21.155	ug/l	98
67) Ethyl Benzene	9.91	91	242418	21.690	ug/l	98
68) m/p-Xylenes	10.14	106	181770	45.219	ug/l	95
69) o-Xylene	10.72	106	96611	21.795	ug/l	96
70) Stvrene	10.80	104	128656	20.938	ug/l	97
71) Bromoform	10.78	173	24786	19.882	ug/l	99
73) Isopropylbenzene	11.13	105	290653	21.306	ug/l	98
74) N-amyl acetate	11.38	43	64747	20.554	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.71	83	48494	21.600	ug/l	98
76) 1,2,3-Trichloropropane	11.79	75	34131	20.915	ug/l	87
77) Bromobenzene	11.50	156	62619	20.937	ug/l	82
78) n-propylbenzene	11.60	91	342627	21.447	ug/l	98
79) 2-Chlorotoluene	11.72	91	206378	22.530	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	238575	21.543	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	22118	27.662	ug/l	96
82) 4-Chlorotoluene	11.90	91	198571	20.599	ug/l	97
83) tert-Butylbenzene	12.14	119	246293	21.833	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	243292	22.012	ug/l	97
85) sec-Butylbenzene	12.31	105	330883	21.426	ug/l	100
86) p-Isopropyltoluene	12.46	119	280333	21.652	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	120346	21.154	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	109627	19.774	ug/l	95
89) n-Butylbenzene	12.85	91	288521	22.038	ug/l	97
90) Hexachloroethane	12.92	117	63412	20.339	ug/l	95
91) 1,2-Dichlorobenzene	12.95	146	111477	20.692	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.65	75	8277	19.068	ug/l	89
93) 1,2,4-Trichlorobenzene	14.20	180	80696	21.437	ug/l	98

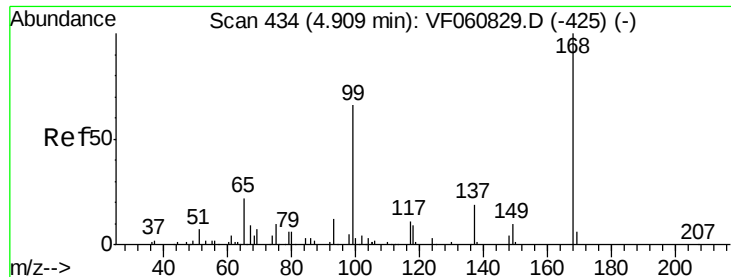
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF112918\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.19	225	51306	20.446	ug/l	98
95) Naphthalene	14.46	128	143012	17.285	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	71707	20.516	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

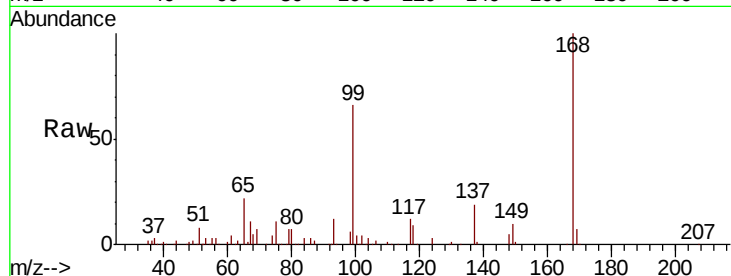
VF1129SBS01

Tot Ion:168 Resp: 209685

Ion Ratio Lower Upper

168 100

99 66.5 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

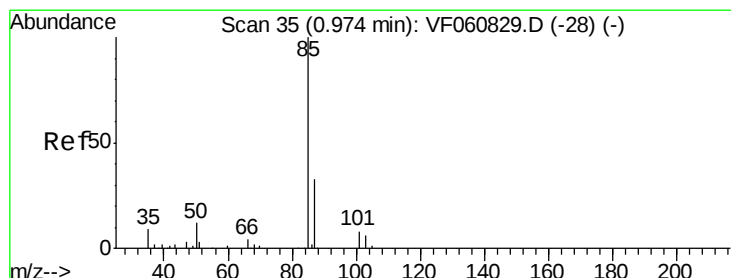
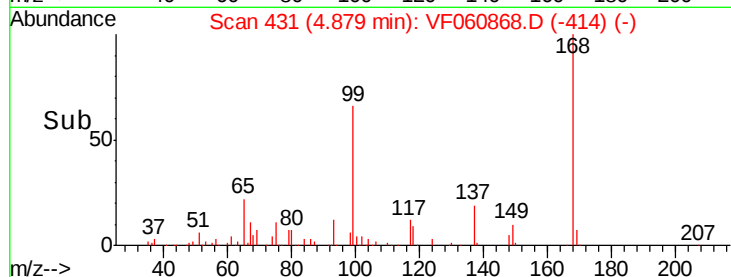
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 23.410 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060868.D

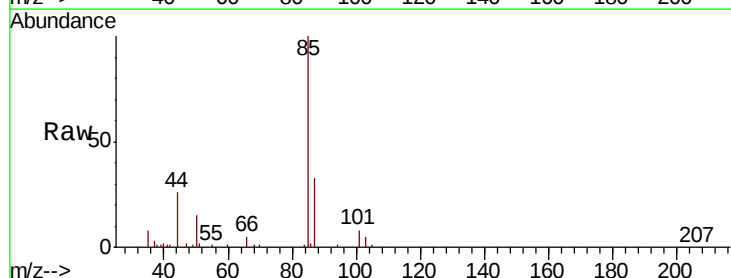
Acq: 29 Nov 2018 15:39

Tgt Ion: 85 Resp: 73395

Ion Ratio Lower Upper

85 100

87 32.6 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

25000

20000

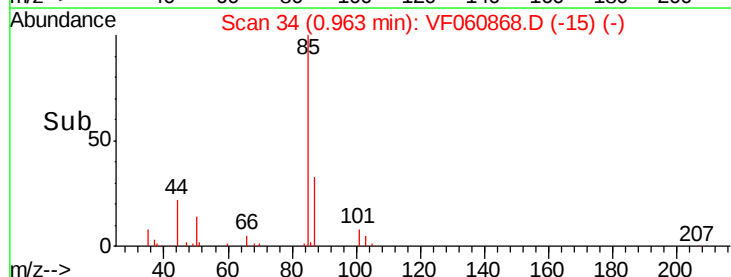
15000

10000

5000

0

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 23.831 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

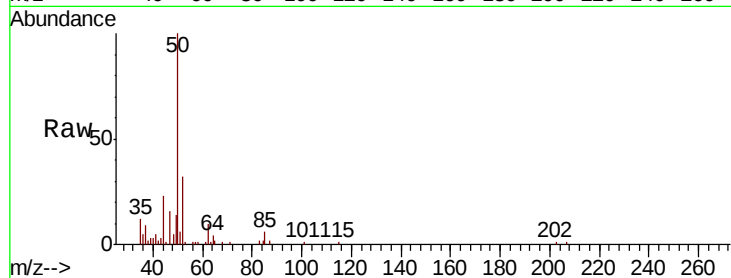
VF1129SBS01

Tot Ion: 50 Resp: 48619

Ion Ratio Lower Upper

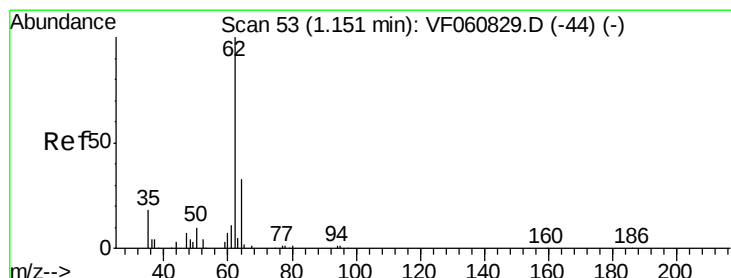
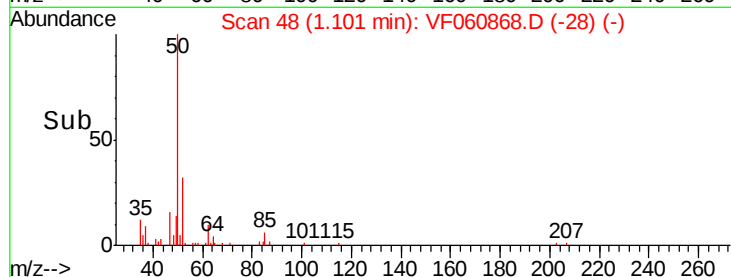
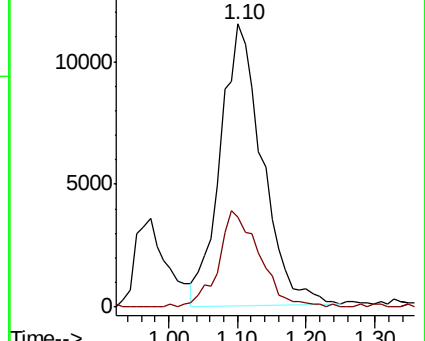
50 100

52 31.6 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: 23.931 ug/l

RT: 1.15 min Scan# 53

Delta R.T. -0.00 min

Lab File: VF060868.D

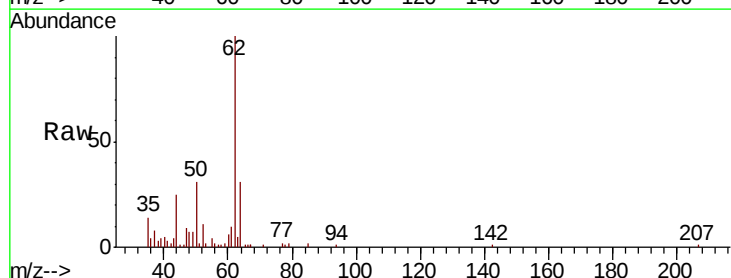
Acq: 29 Nov 2018 15:39

Tgt Ion: 62 Resp: 45540

Ion Ratio Lower Upper

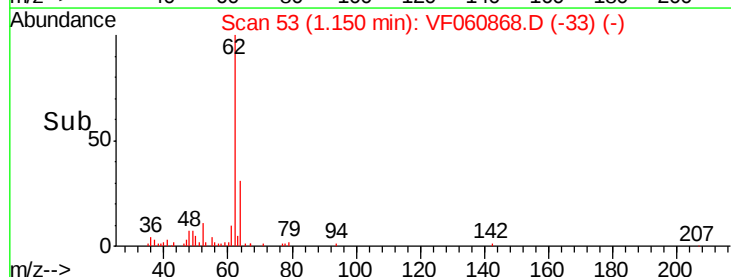
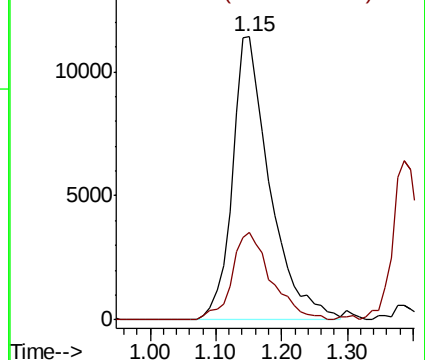
62 100

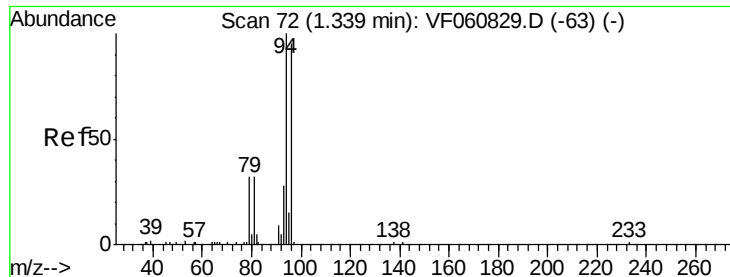
64 30.9 26.4 39.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 22.027 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

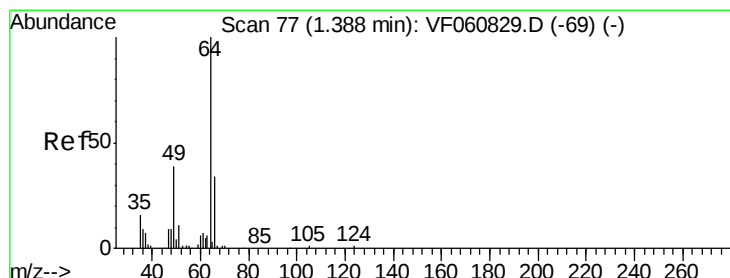
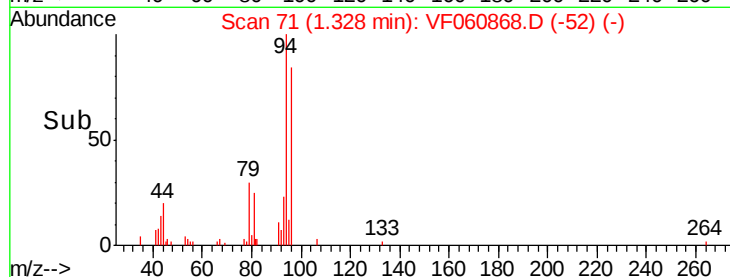
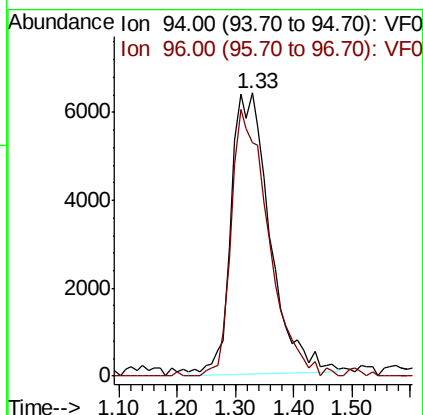
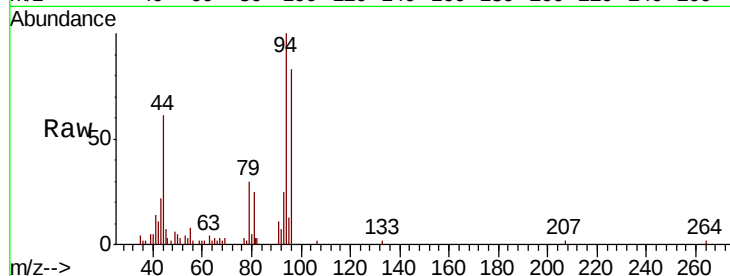
VF1129SBS01

Tot Ion: 94 Resp: 29557

Ion Ratio Lower Upper

94 100

96 82.7 75.9 113.9



#6

Chloroethane

Concen: 23.336 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF060868.D

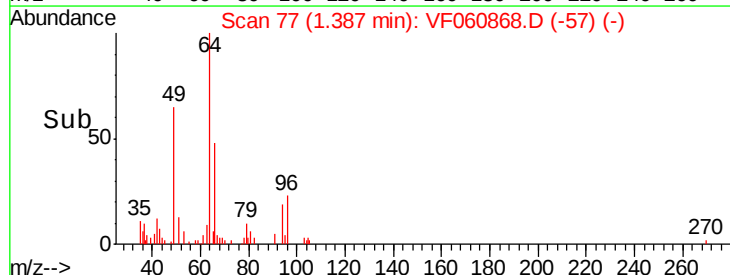
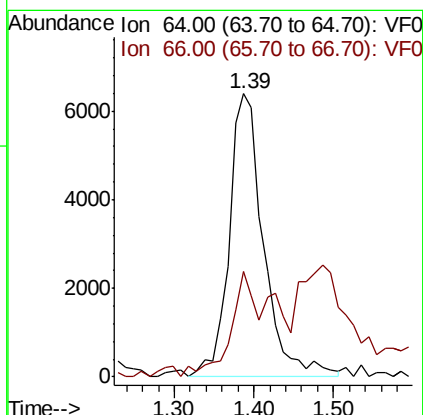
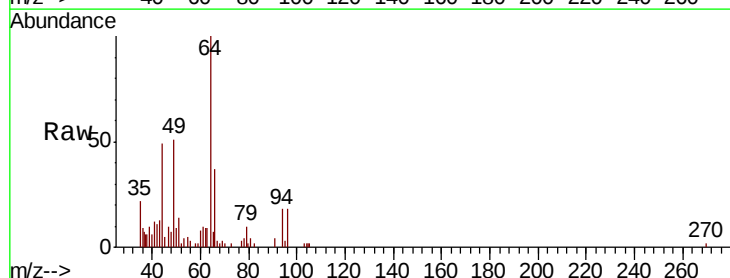
Acq: 29 Nov 2018 15:39

Tgt Ion: 64 Resp: 19196

Ion Ratio Lower Upper

64 100

66 37.1 28.1 42.1





#7

Trichlorofluoromethane

Concen: 22.815 ug/l

RT: 1.50 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

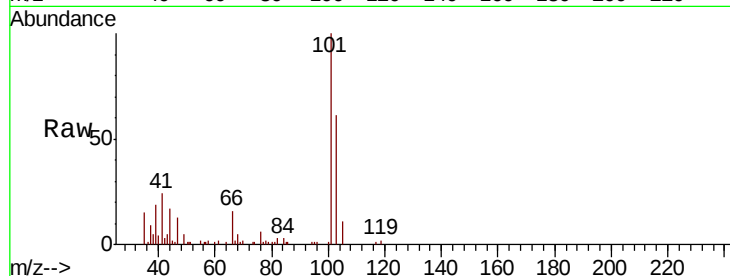
VF1129SBS01

Tot Ion:101 Resp: 93154

Ion Ratio Lower Upper

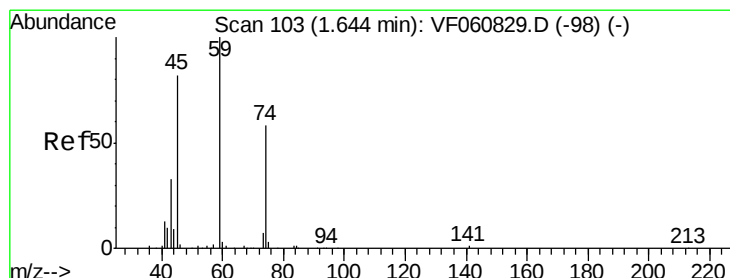
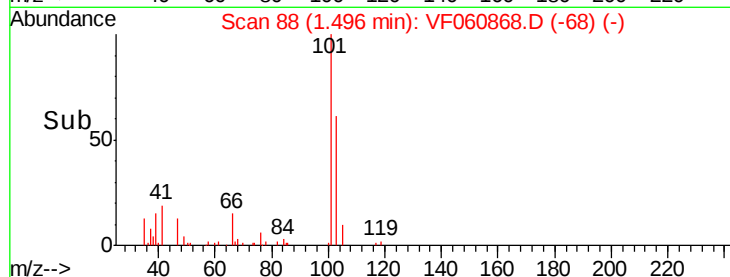
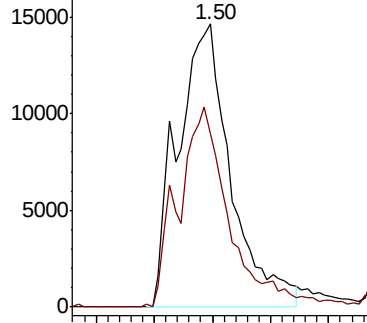
101 100

103 61.3 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: 21.559 ug/l

RT: 1.63 min Scan# 102

Delta R.T. -0.01 min

Lab File: VF060868.D

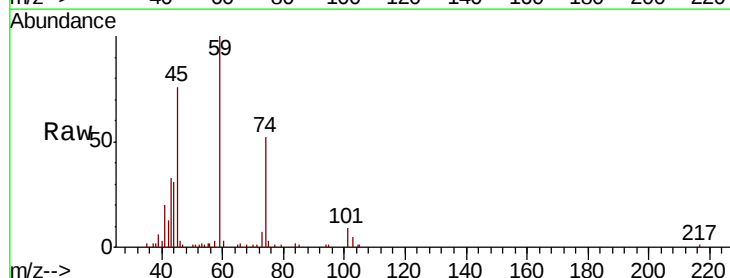
Acq: 29 Nov 2018 15:39

Tgt Ion: 74 Resp: 12658

Ion Ratio Lower Upper

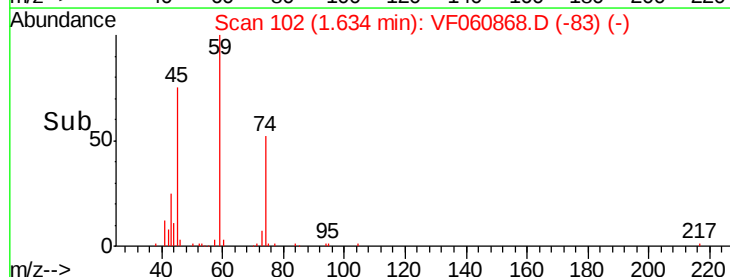
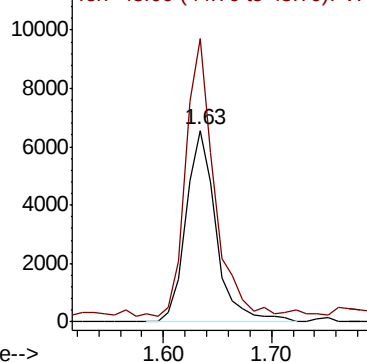
74 100

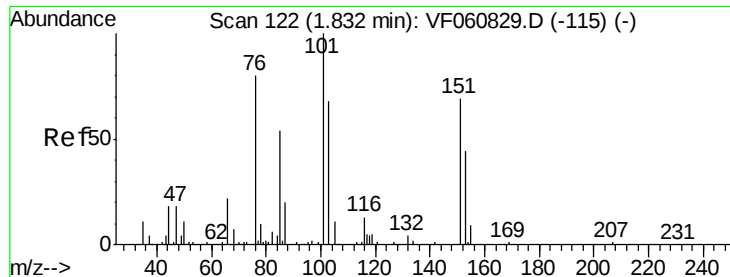
45 147.6 71.0 212.8



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: 21.873 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

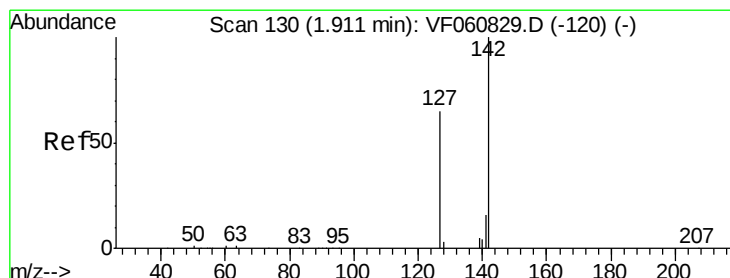
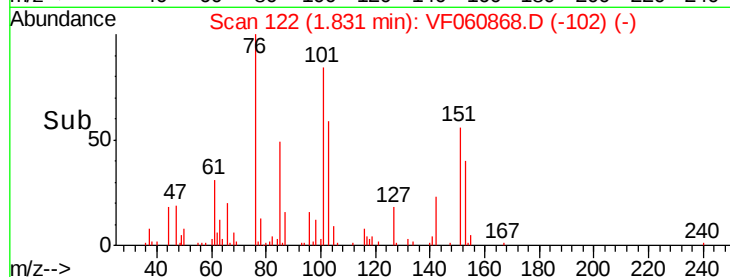
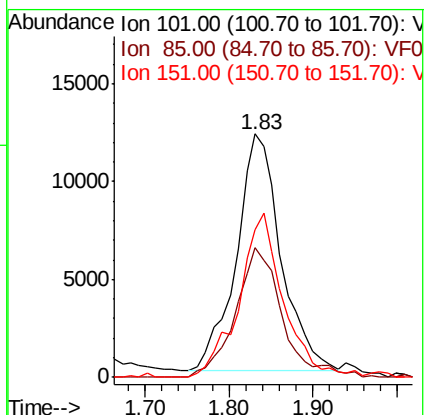
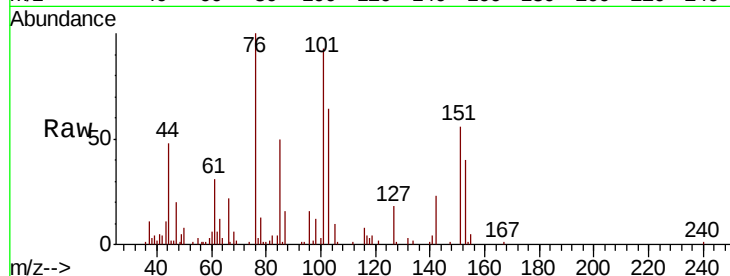
Tot Ion:101 Resp: 45149

Ion Ratio Lower Upper

101 100

85 53.5 42.8 64.2

151 60.5 54.4 81.6



#10

Methyl Iodide

Concen: 17.213 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.00 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

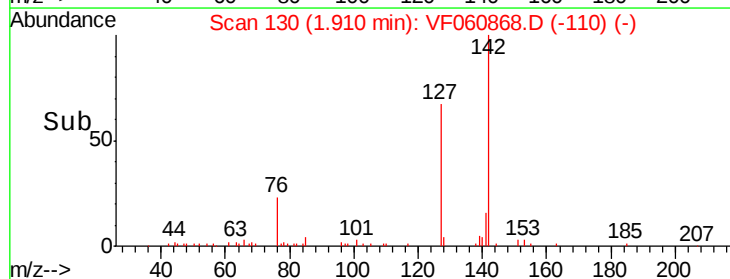
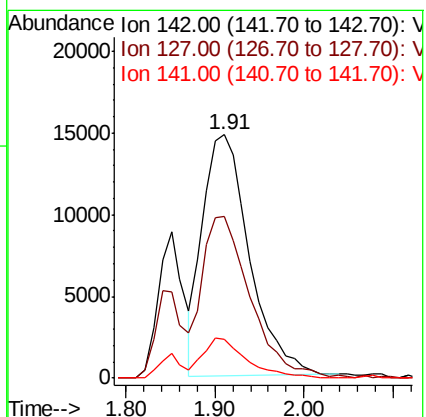
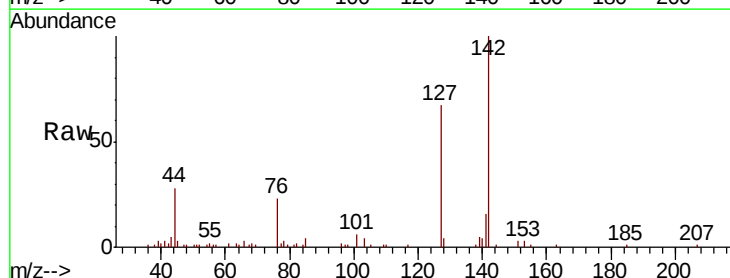
Tgt Ion:142 Resp: 54008

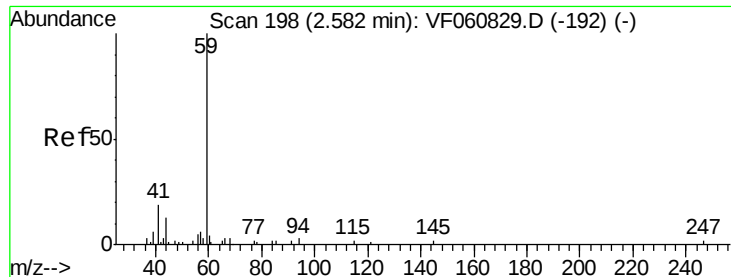
Ion Ratio Lower Upper

142 100

127 66.7 51.9 77.9

141 15.8 12.7 19.1

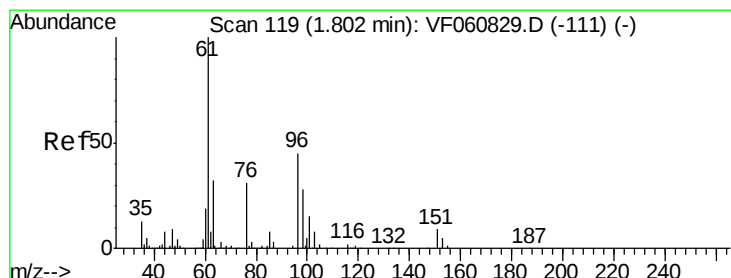
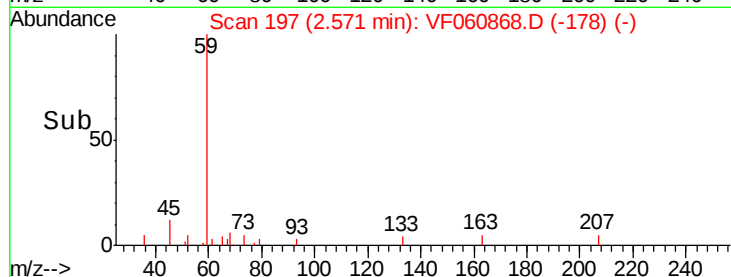
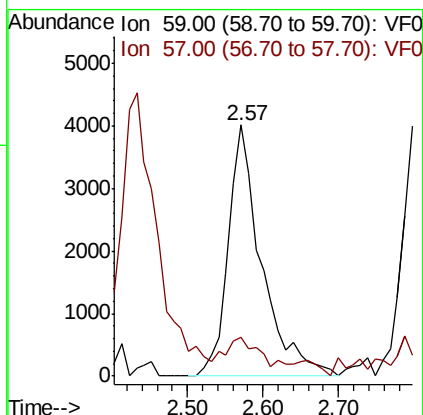
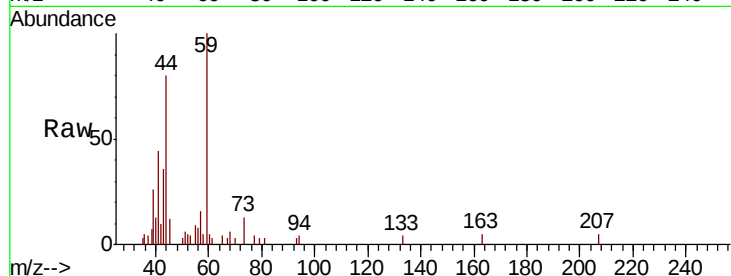




#11
Tert butyl alcohol
Concen: 120.771 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

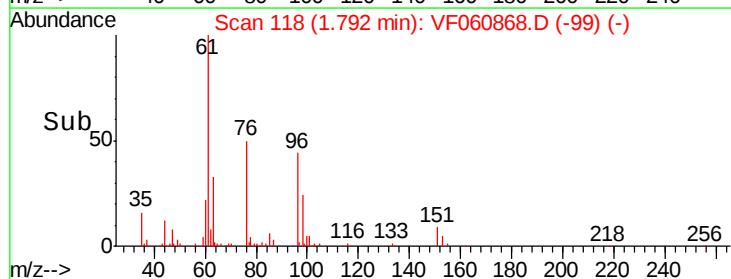
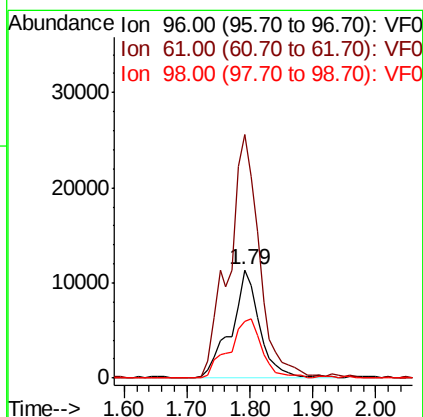
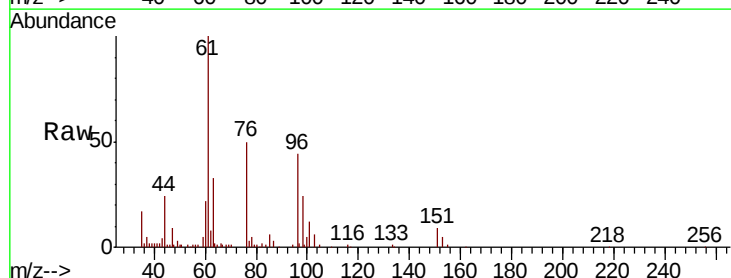
Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

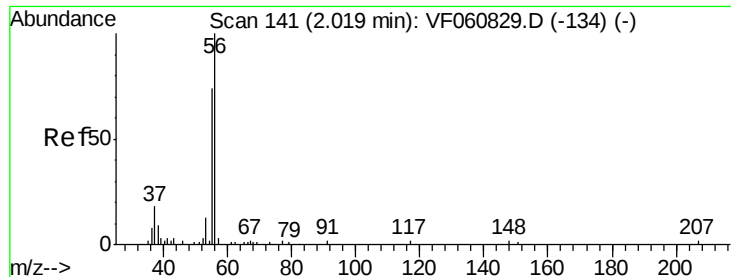
Tot Ion: 59 Resp: 12229
Ion Ratio Lower Upper
59 100
57 15.5 12.7 19.1



#12
1,1-Dichloroethene
Concen: 21.574 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Tgt Ion: 96 Resp: 35819
Ion Ratio Lower Upper
96 100
61 225.4 177.3 265.9
98 53.0 49.6 74.4





#13

Acrolein

Concen: 5.451 ug/l

RT: 1.85 min Scan# 124

Delta R.T. -0.17 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

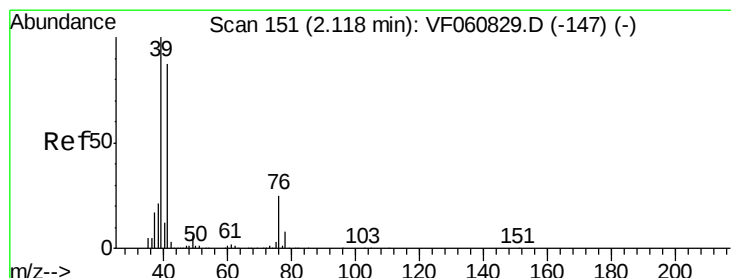
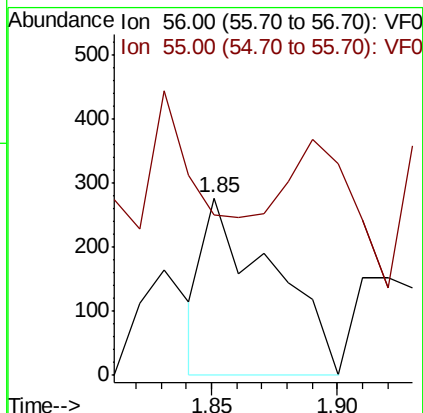
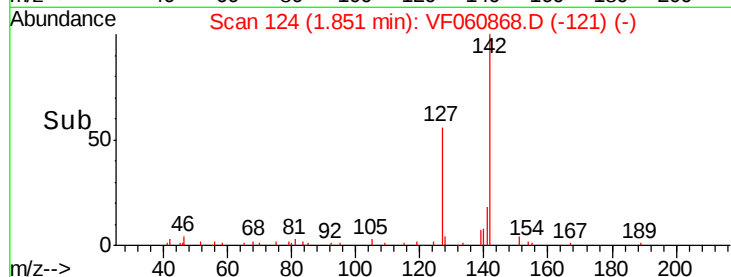
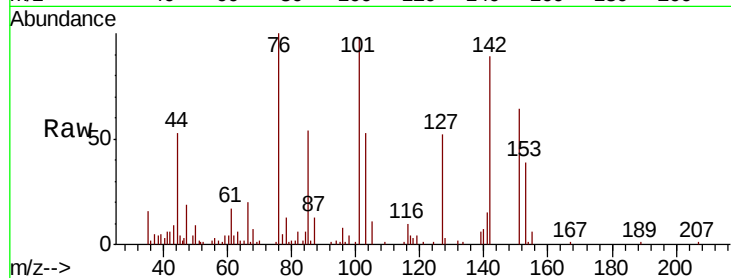
VF1129SBS01

Tot Ion: 56 Resp: 523

Ion Ratio Lower Upper

56 100

55 90.2 61.2 91.8



#14

Allyl chloride

Concen: 28.275 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

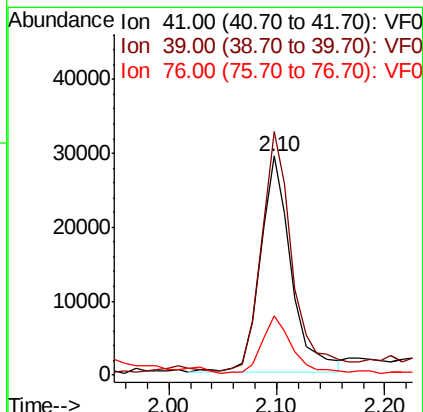
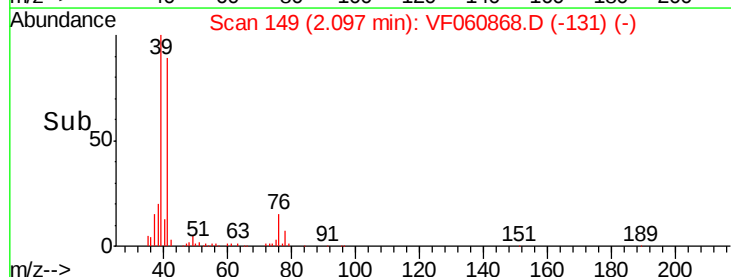
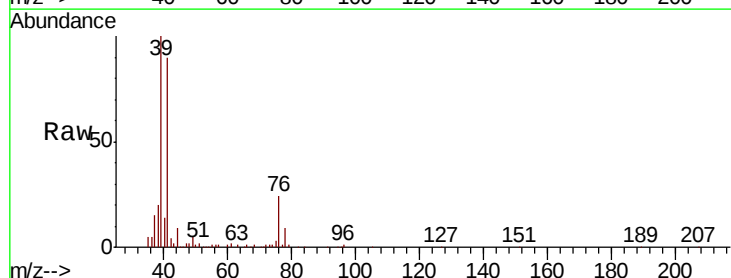
Tgt Ion: 41 Resp: 58512

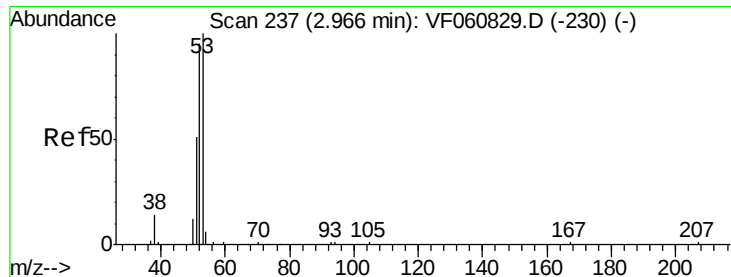
Ion Ratio Lower Upper

41 100

39 111.1 91.7 137.5

76 26.9 23.5 35.3





#15

Acrylonitrile

Concen: 105.312 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

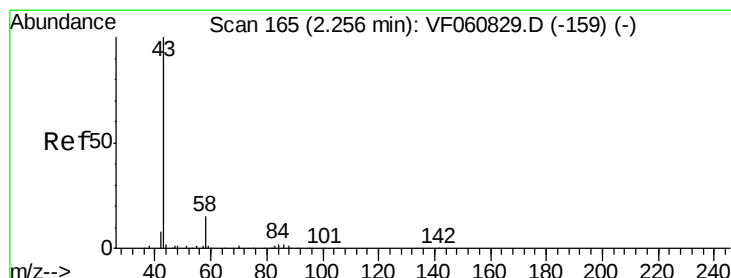
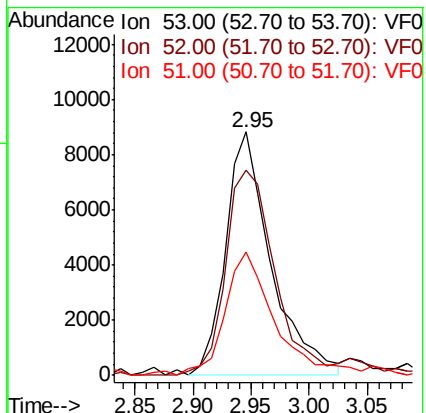
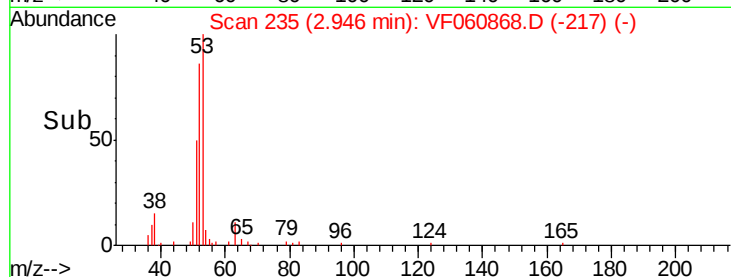
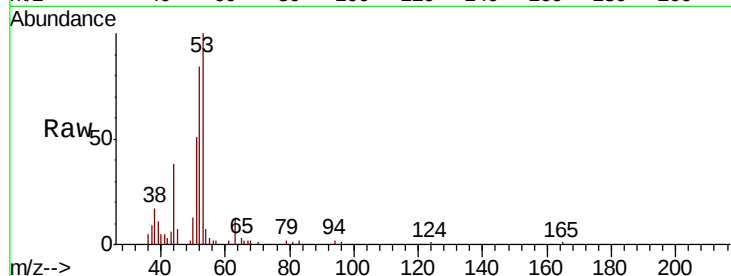
Tot Ion: 53 Resp: 23907

Ion Ratio Lower Upper

53 100

52 84.4 76.5 114.7

51 50.7 40.7 61.1



#16

Acetone

Concen: 124.236 ug/l

RT: 2.25 min Scan# 164

Delta R.T. -0.01 min

Lab File: VF060868.D

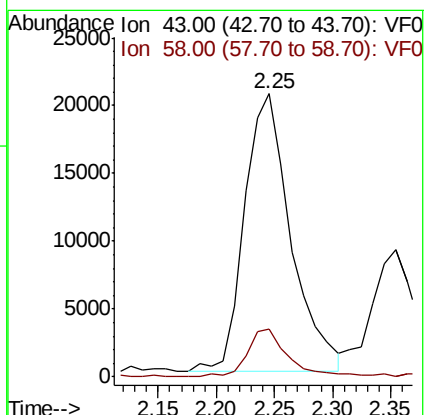
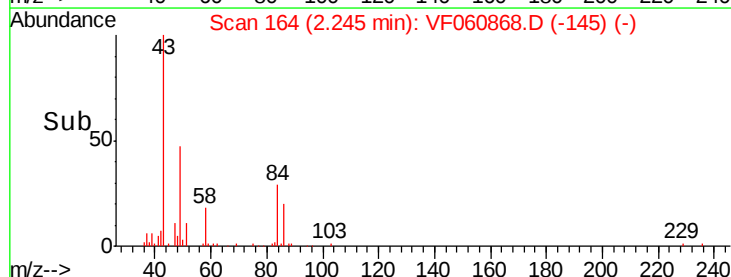
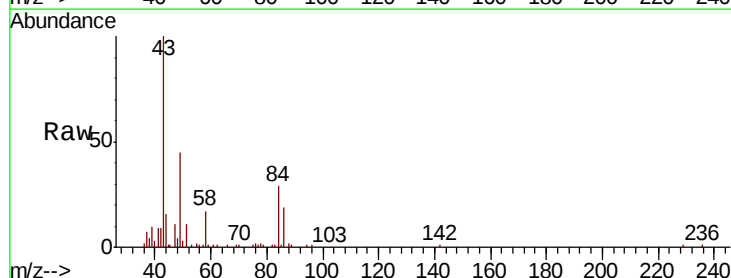
Acq: 29 Nov 2018 15:39

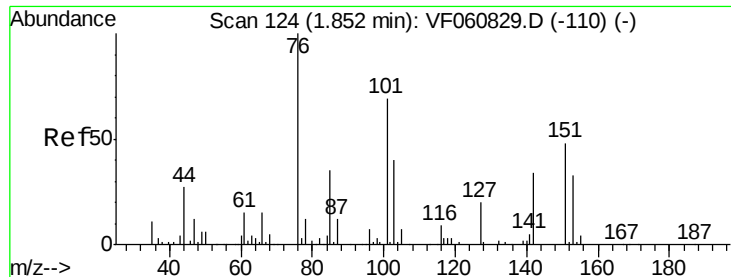
Tgt Ion: 43 Resp: 56591

Ion Ratio Lower Upper

43 100

58 17.0 11.4 17.2

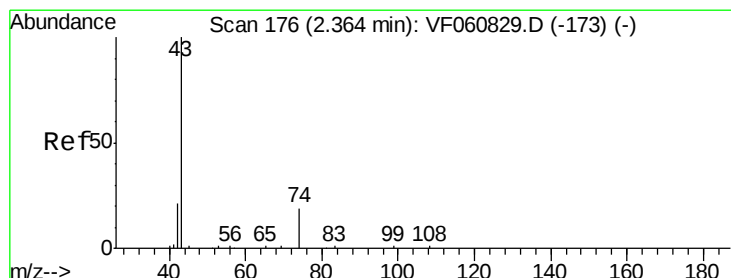
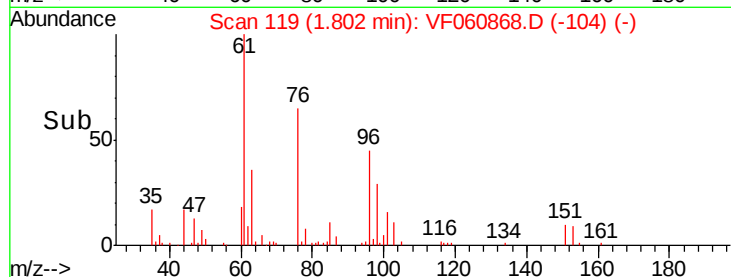
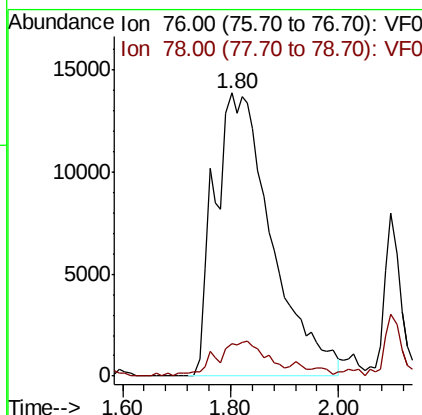
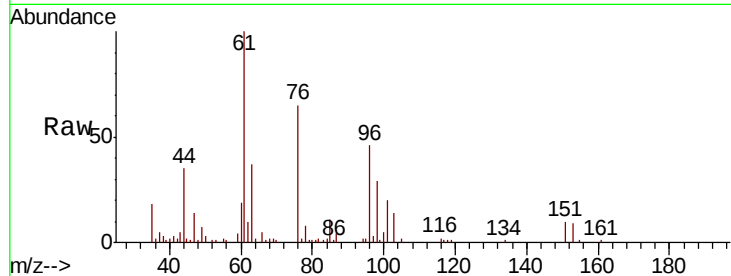




#17
Carbon Disulfide
Concen: 22.924 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.05 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

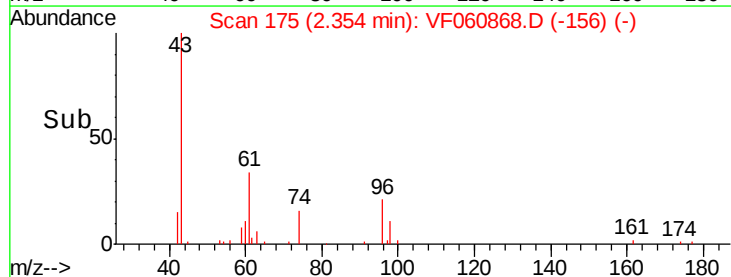
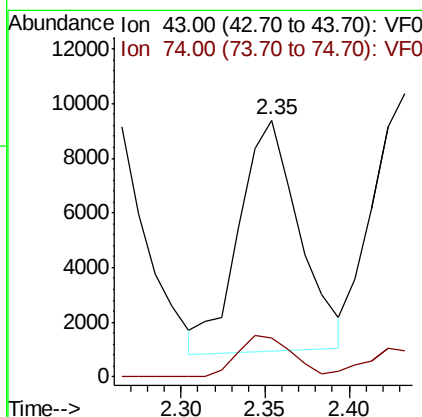
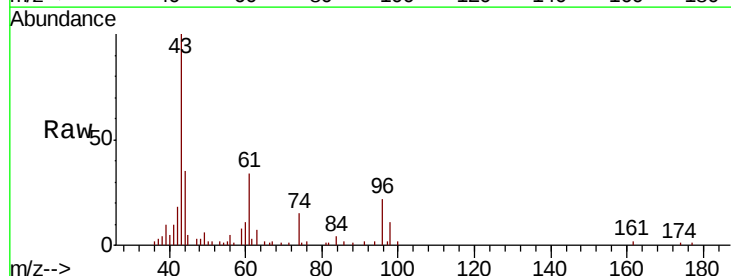
Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

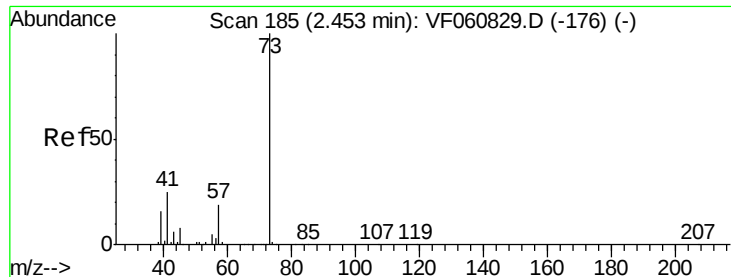
Tot Ion: 76 Resp: 102053
Ion Ratio Lower Upper
76 100
78 11.5 10.2 15.2



#18
Methyl Acetate
Concen: 26.889 ug/l
RT: 2.35 min Scan# 175
Delta R.T. -0.01 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Tgt Ion: 43 Resp: 21132
Ion Ratio Lower Upper
43 100
74 15.3 13.3 19.9

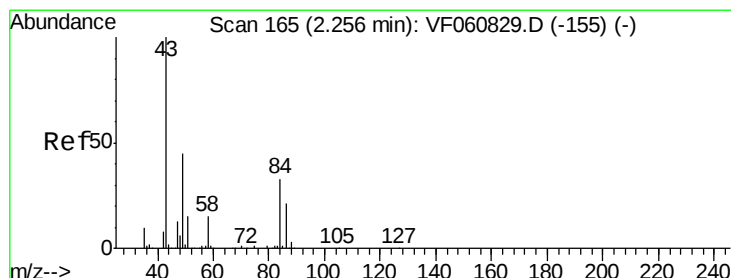
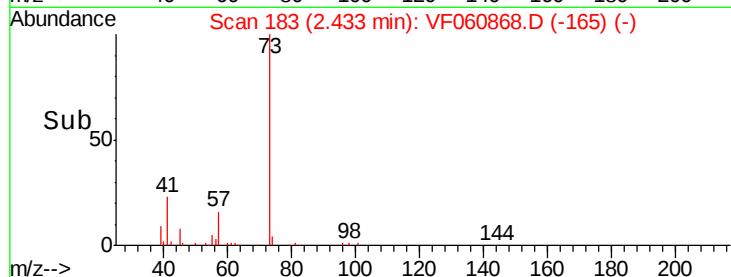
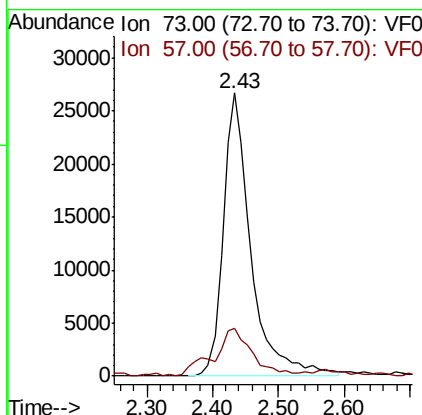
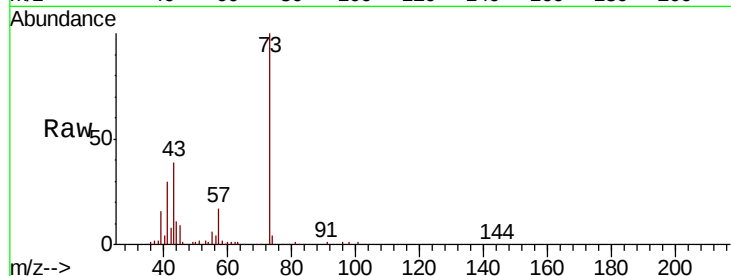




#19
Methvl tert-butvl Ether
Concen: 20.952 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.02 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

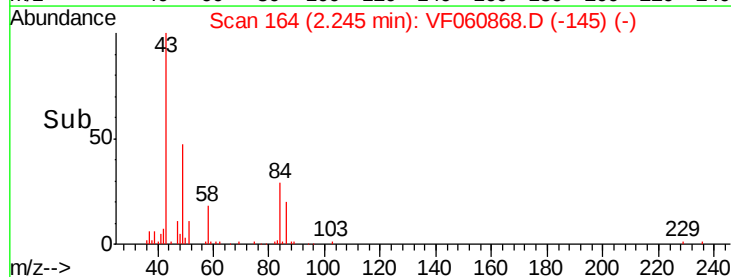
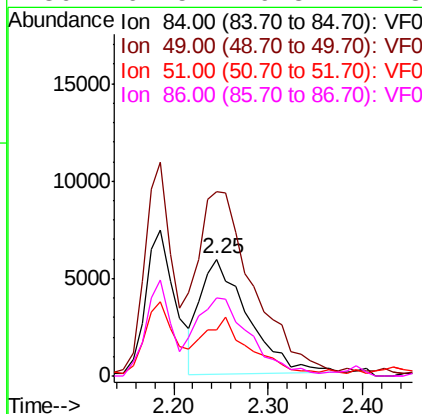
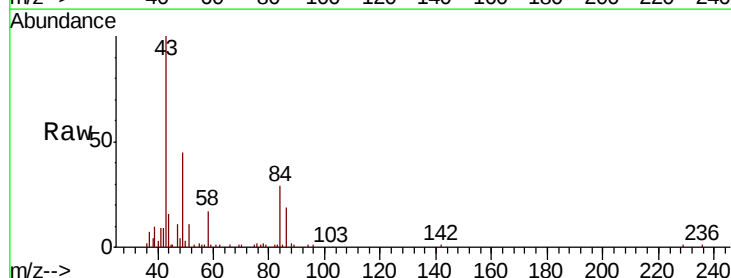
Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

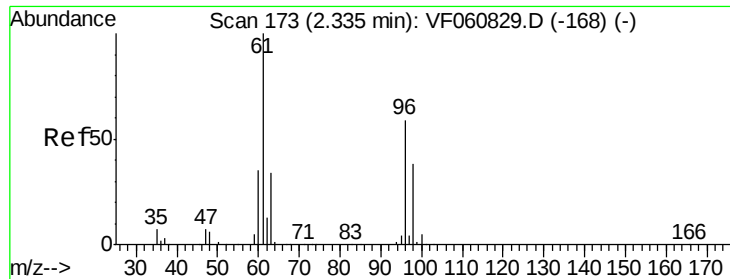
Tot Ion: 73 Resp: 78349
Ion Ratio Lower Upper
73 100
57 17.0 15.3 22.9



#20
Methylene Chloride
Concen: 12.355 ug/l
RT: 2.25 min Scan# 164
Delta R.T. -0.01 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Tgt Ion: 84 Resp: 20646
Ion Ratio Lower Upper
84 100
49 158.6 111.3 166.9
51 39.1 38.0 57.0
86 67.5 49.8 74.8

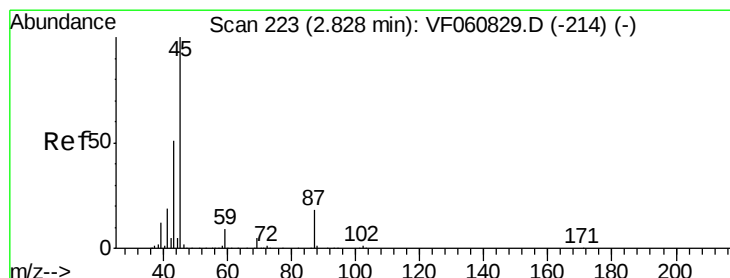
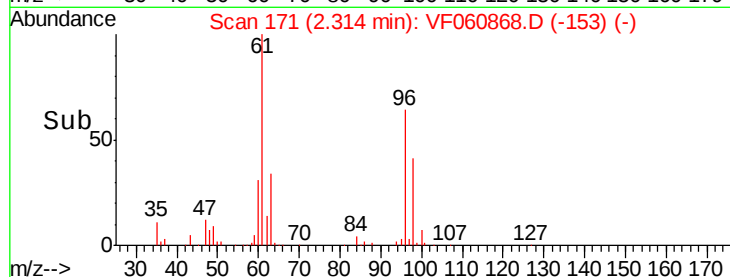
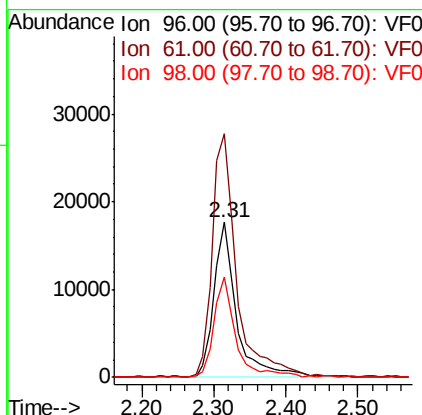
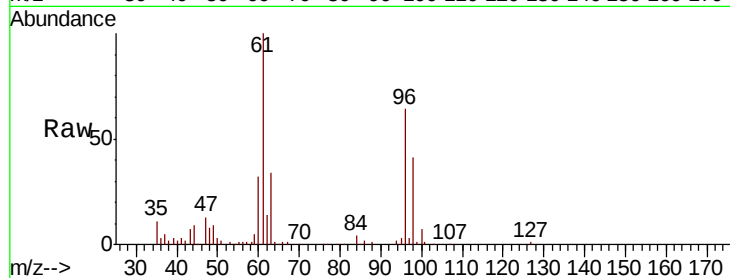




#21
trans-1,2-Dichloroethene
Concen: 23.938 ug/l
RT: 2.31 min Scan# 171
Delta R.T. -0.02 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

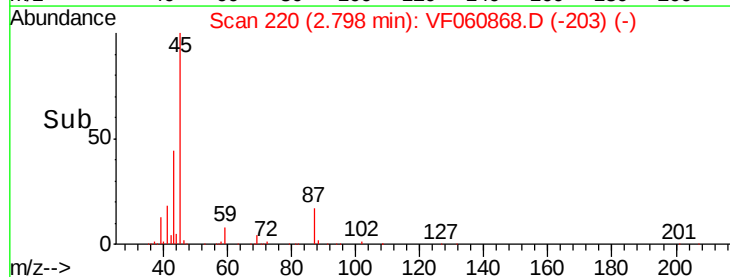
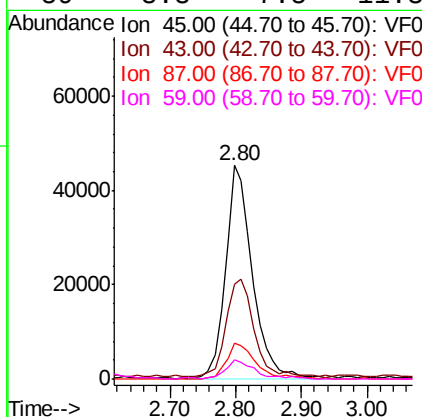
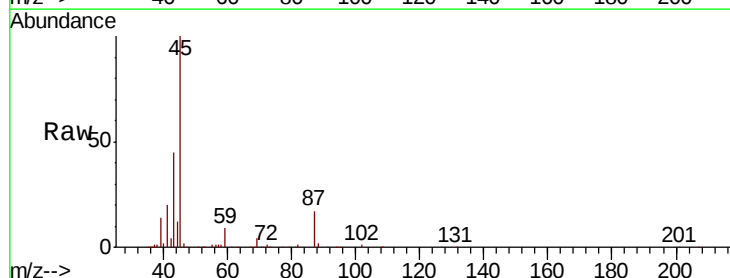
Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

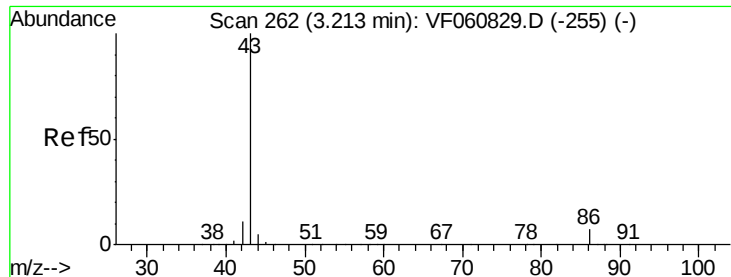
Tot Ion: 96 Resp: 38317
Ion Ratio Lower Upper
96 100
61 156.9 134.5 201.7
98 64.7 51.6 77.4



#22
Diisopropyl ether
Concen: 23.141 ug/l
RT: 2.80 min Scan# 220
Delta R.T. -0.03 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Tgt Ion: 45 Resp: 130349
Ion Ratio Lower Upper
45 100
43 44.6 41.0 61.6
87 16.9 14.6 22.0
59 8.8 7.5 11.3





#23

Vinyl Acetate

Concen: 111.466 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

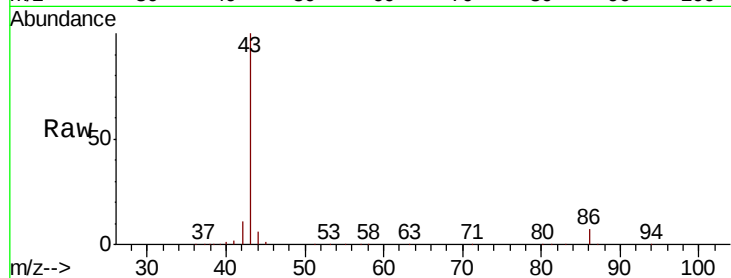
VF1129SBS01

Tot Ion: 43 Resp: 287009

Ion Ratio Lower Upper

43 100

86 7.4 5.4 8.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.19

120000

100000

80000

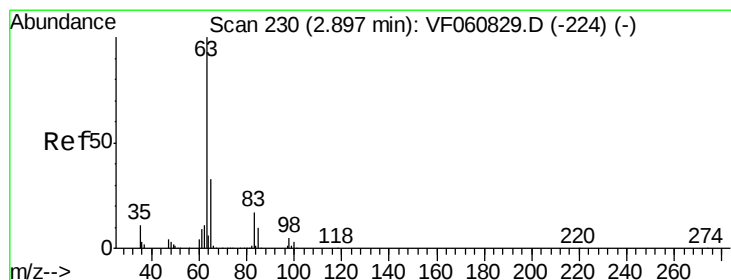
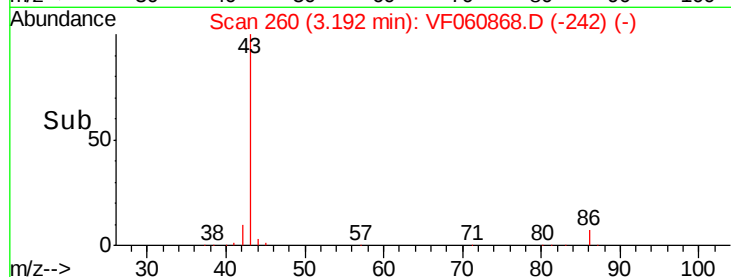
60000

40000

20000

0

Time--> 3.00 3.10 3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 22.958 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

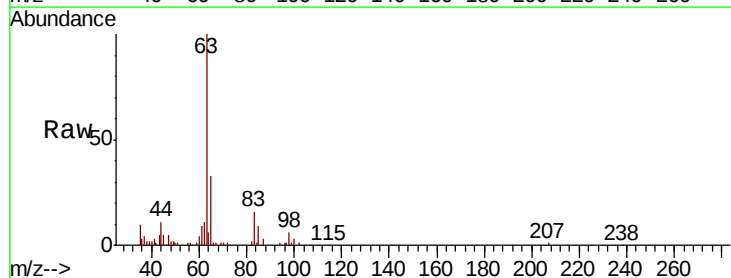
Tgt Ion: 63 Resp: 76941

Ion Ratio Lower Upper

63 100

98 5.8 2.7 8.1

100 3.2 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

40000

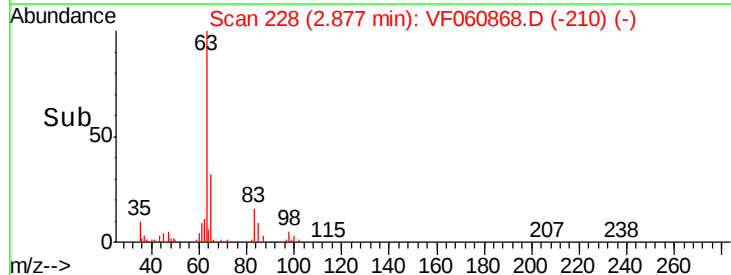
30000

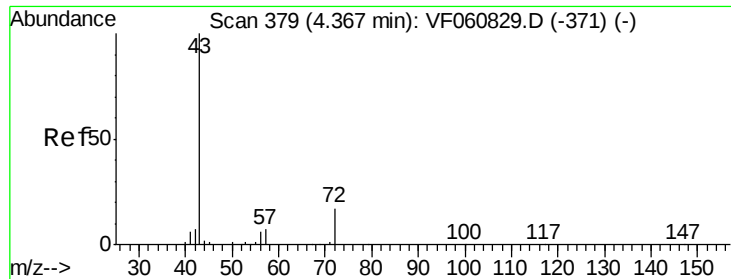
20000

10000

0

Time--> 2.80 2.90 3.00





#25

2-Butanone

Concen: 111.538 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

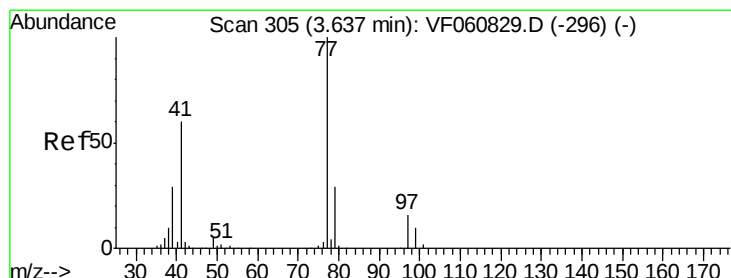
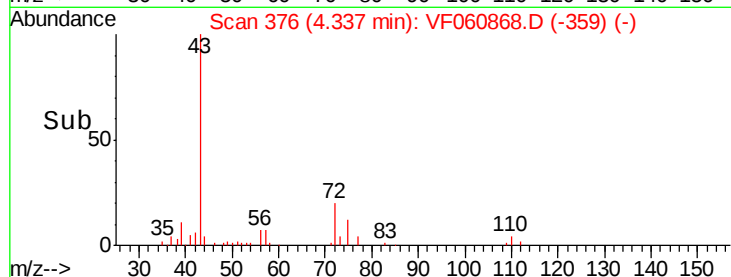
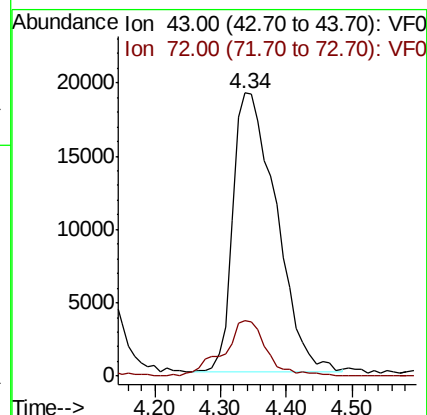
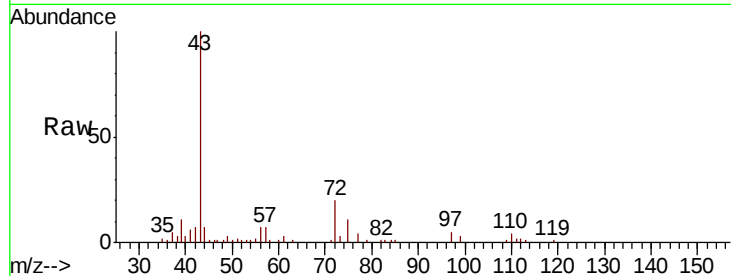
VF1129SBS01

Tot Ion: 43 Resp: 87878

Ion Ratio Lower Upper

43 100

72 19.6 15.4 23.2



#26

2,2-Dichloropropane

Concen: 22.404 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.03 min

Lab File: VF060868.D

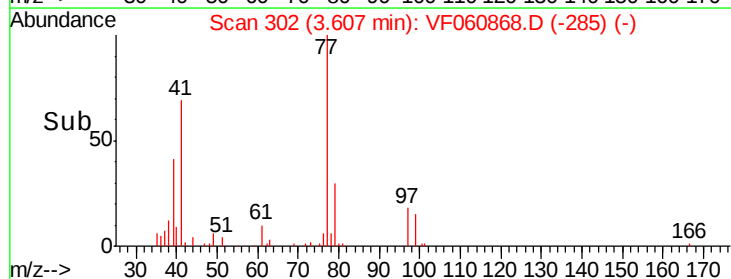
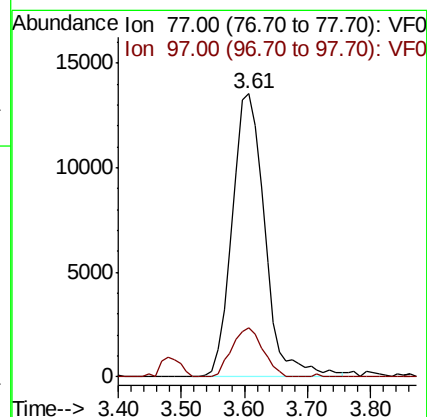
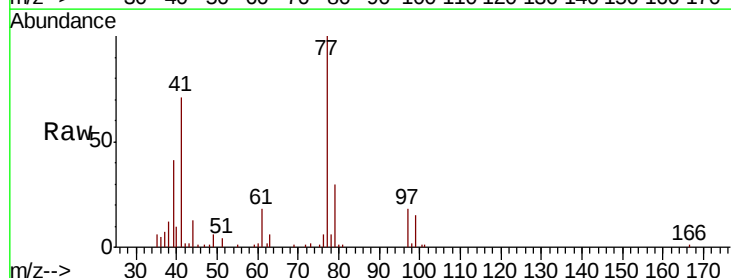
Acq: 29 Nov 2018 15:39

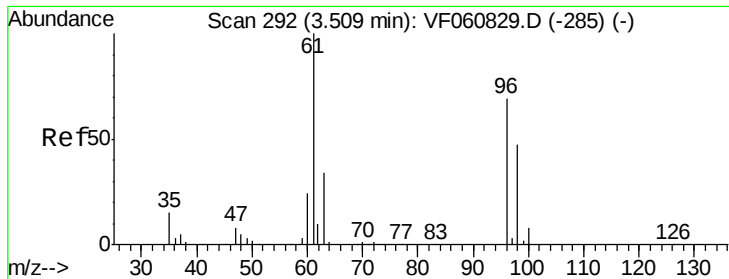
Tgt Ion: 77 Resp: 48678

Ion Ratio Lower Upper

77 100

97 17.6 8.6 25.8



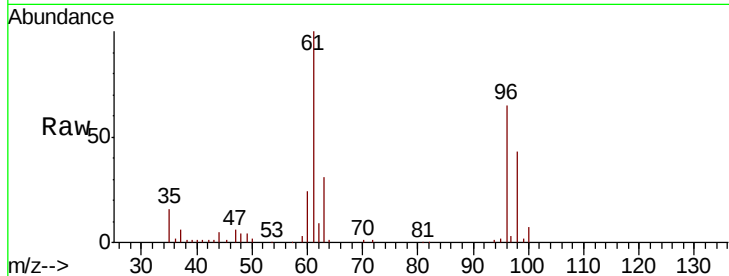


#27

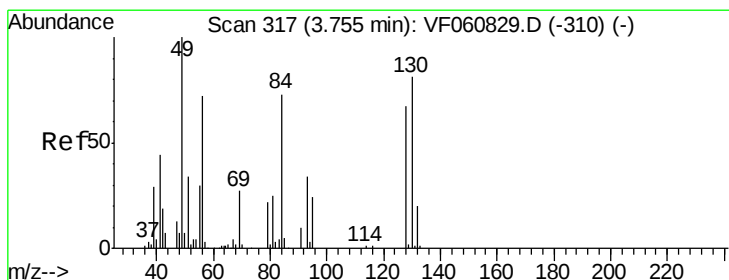
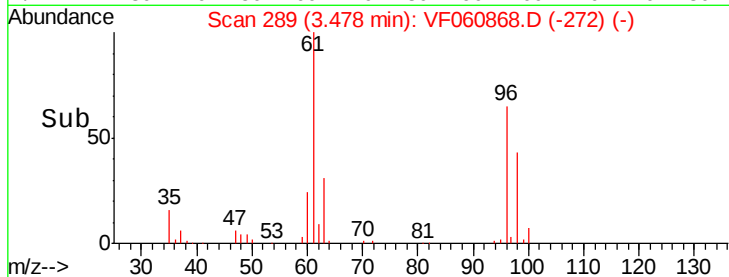
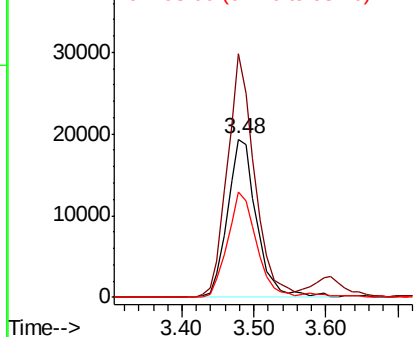
cis-1,2-Dichloroethene
Concen: 20.911 ug/l
RT: 3.48 min Scan# 289
Delta R.T. -0.03 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.8	0.0	290.6
98	66.8	0.0	137.8



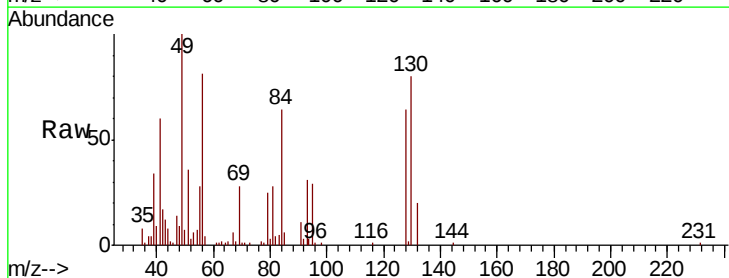
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



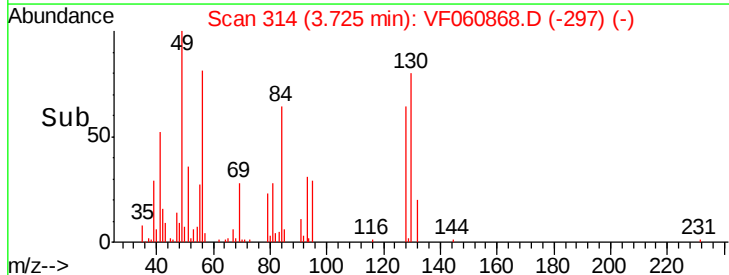
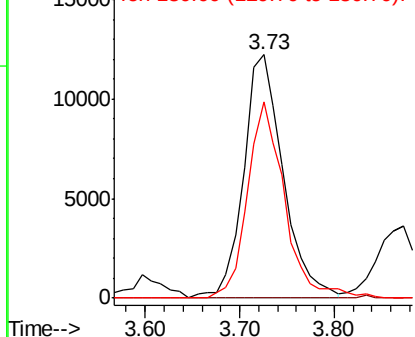
#28

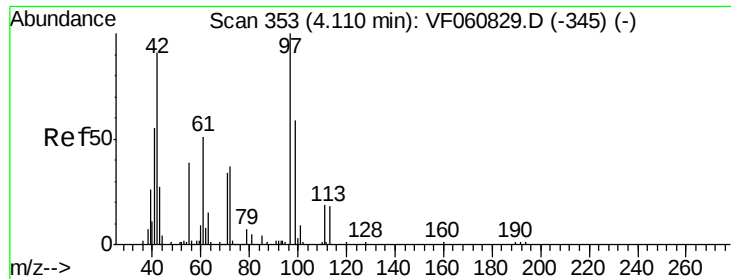
Bromochloromethane
Concen: 22.086 ug/l
RT: 3.73 min Scan# 314
Delta R.T. -0.03 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	80.5	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

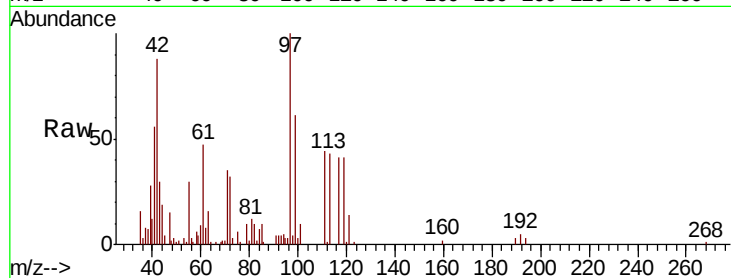




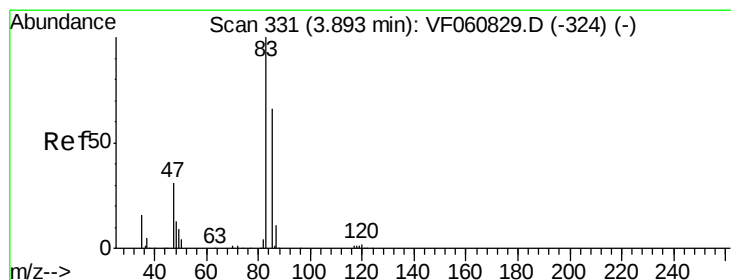
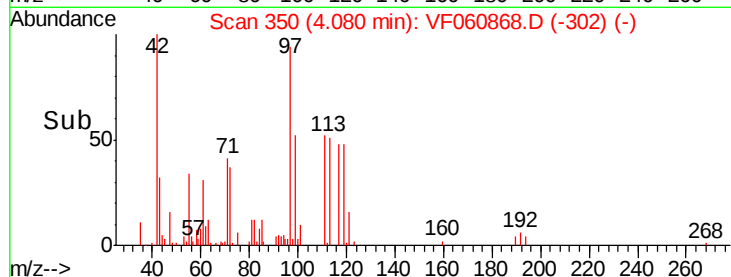
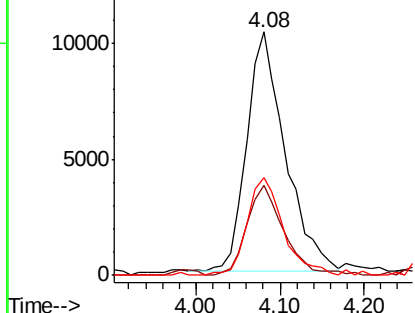
#29
Tetrahydrofuran
Concen: 99.638 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.03 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

Tot Ion: 42 Resp: 33276
Ion Ratio Lower Upper
42 100
72 36.1 31.9 47.9
71 38.1 28.7 43.1

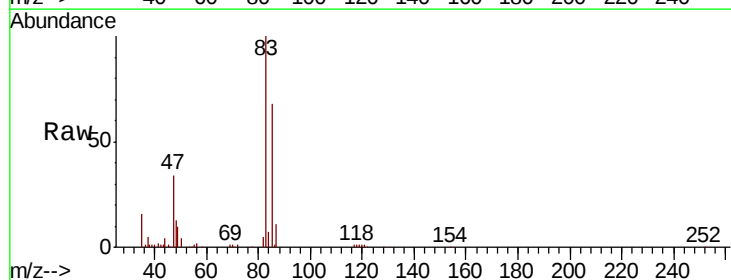


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

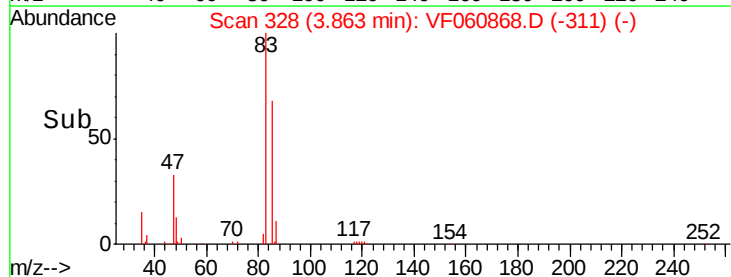
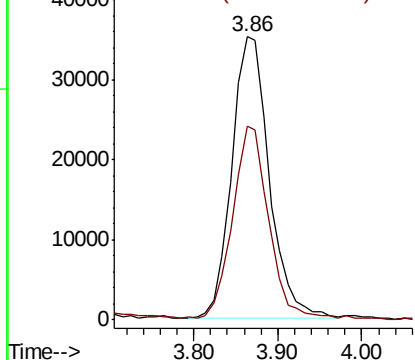


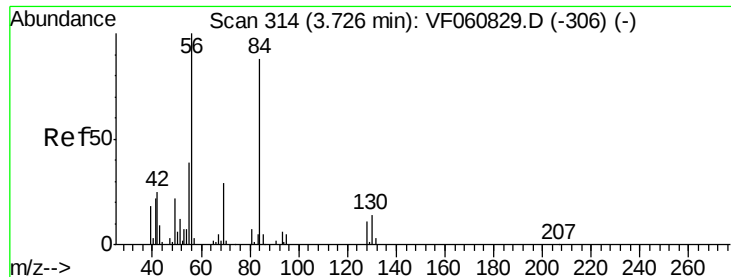
#30
Chloroform
Concen: 21.176 ug/l
RT: 3.86 min Scan# 328
Delta R.T. -0.03 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Tgt Ion: 83 Resp: 109224
Ion Ratio Lower Upper
83 100
85 68.3 53.4 80.2



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

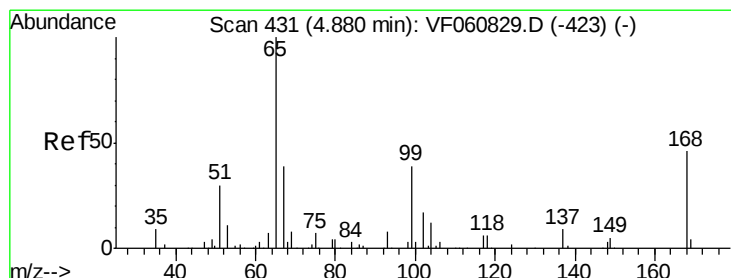
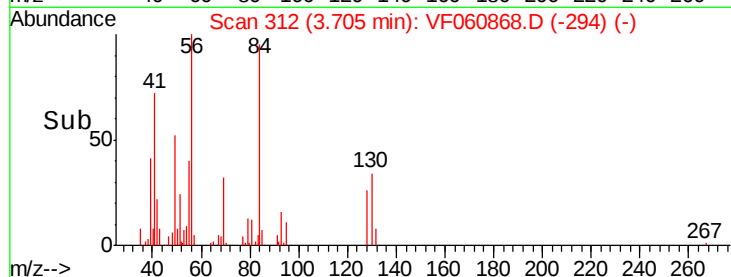
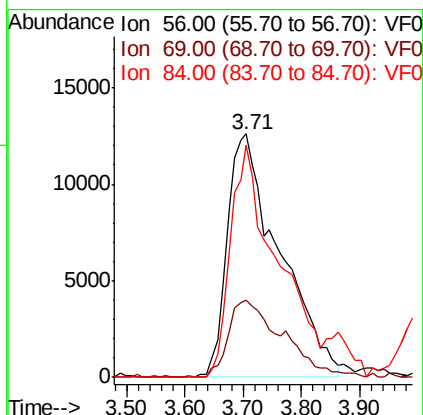
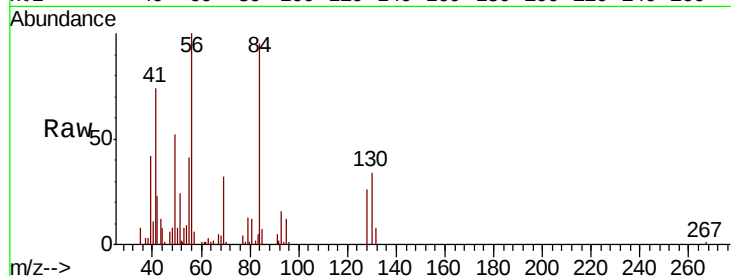




#31
Cyclohexane
Concen: 22.626 ug/l
RT: 3.71 min Scan# 312
Delta R.T. -0.02 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

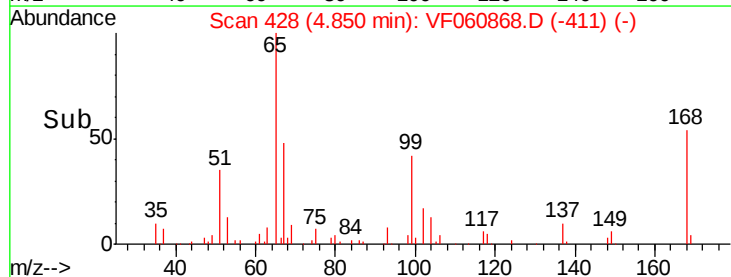
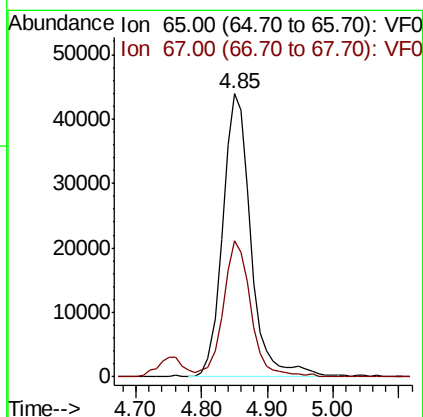
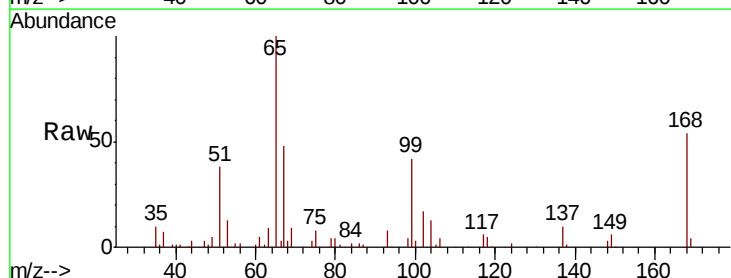
Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

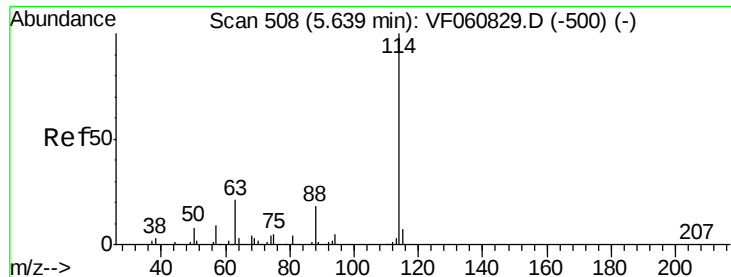
Tot Ion: 56 Resp: 78695
Ion Ratio Lower Upper
56 100
69 31.6 23.0 34.4
84 95.2 70.4 105.6



#33
1,2-Dichloroethane-d4
Concen: 52.524 ug/l
RT: 4.85 min Scan# 428
Delta R.T. -0.03 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Tgt Ion: 65 Resp: 129743
Ion Ratio Lower Upper
65 100
67 48.2 0.0 96.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

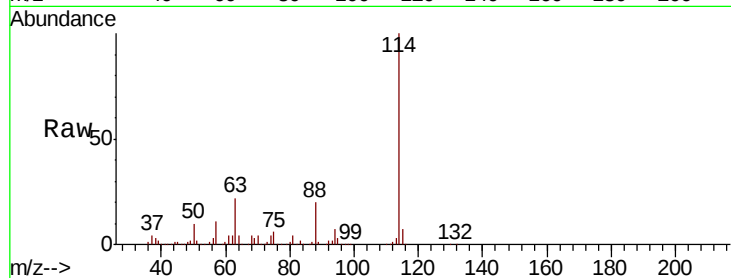
Tot Ion:114 Resp: 343525

Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.6

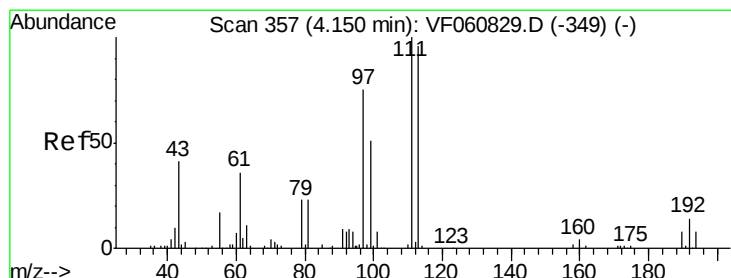
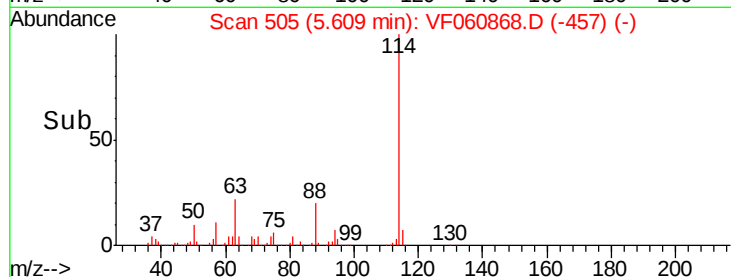
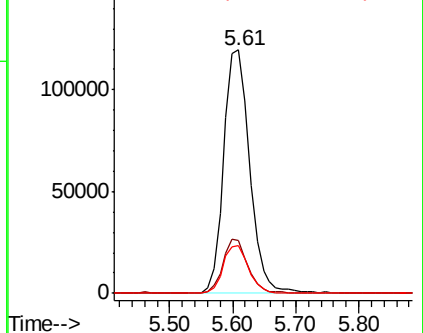
88 19.6 0.0 36.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 52.444 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

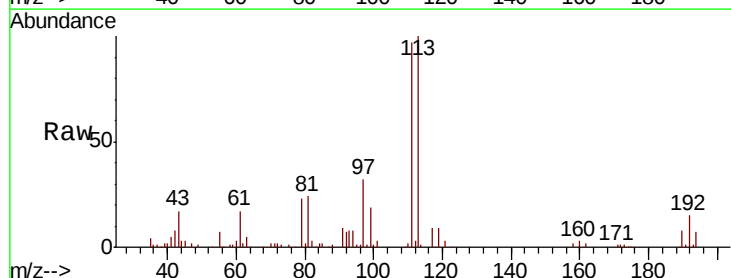
Tgt Ion:113 Resp: 142924

Ion Ratio Lower Upper

113 100

111 97.2 83.0 124.6

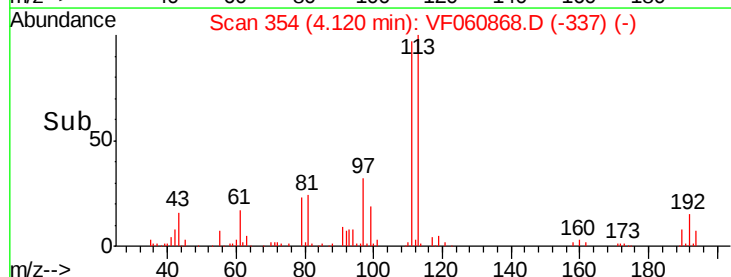
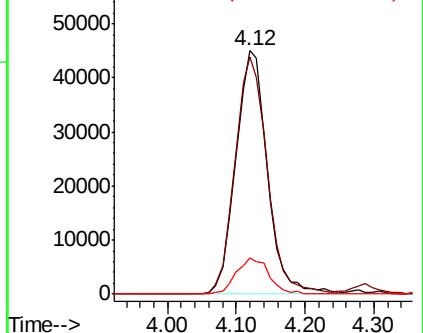
192 14.9 12.3 18.5

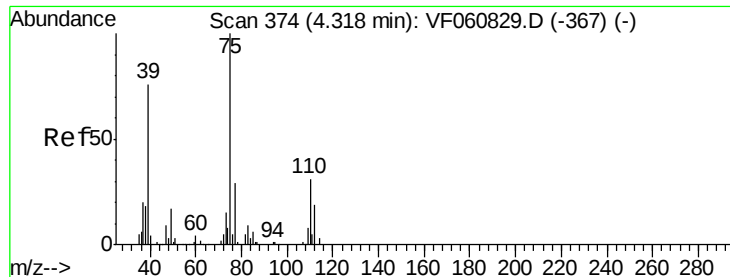


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#36

1,1-Dichloropropene

Concen: 21.655 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

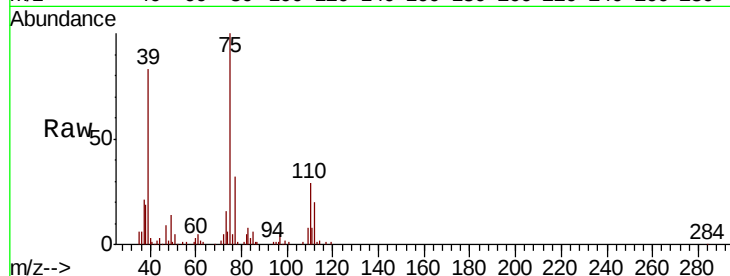
Tot Ion: 75 Resp: 82513

Ion Ratio Lower Upper

75 100

110 28.8 15.6 46.8

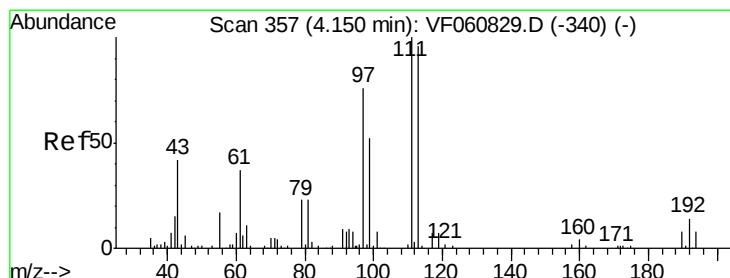
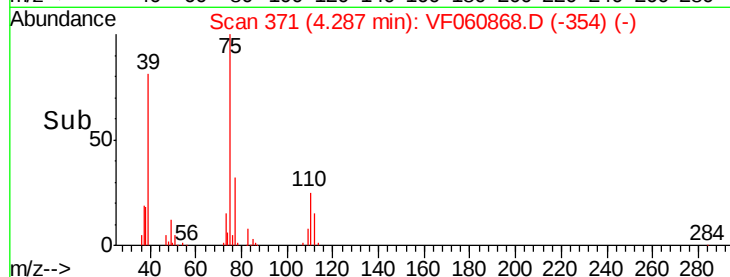
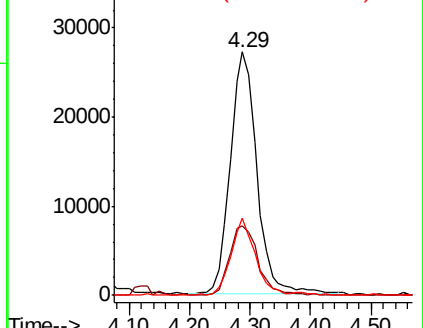
77 31.8 23.4 35.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#37

Ethyl Acetate

Concen: 21.123 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.04 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

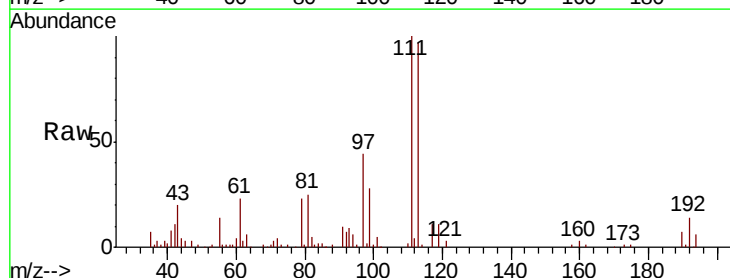
Tgt Ion: 43 Resp: 32707

Ion Ratio Lower Upper

43 100

61 115.7 68.6 103.0#

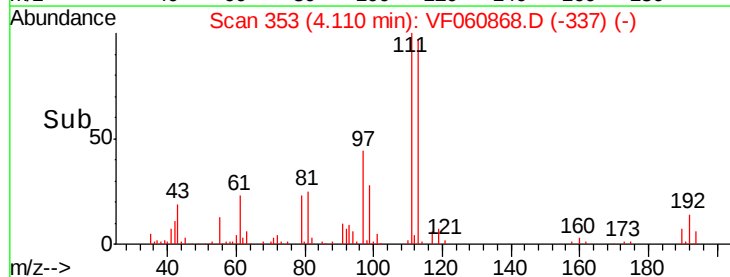
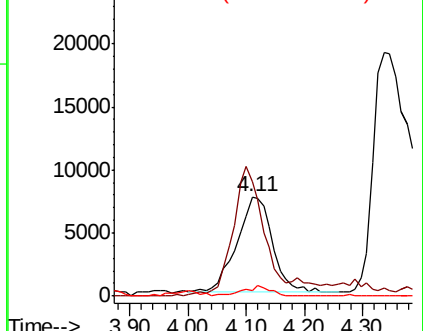
70 6.1 9.0 13.4#

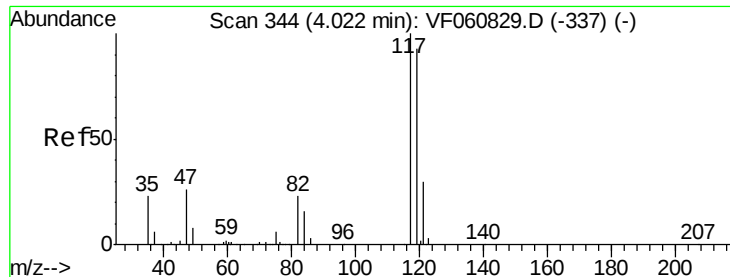


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0





#38

Carbon Tetrachloride

Concen: 20.030 ug/l

RT: 3.99 min Scan# 341

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

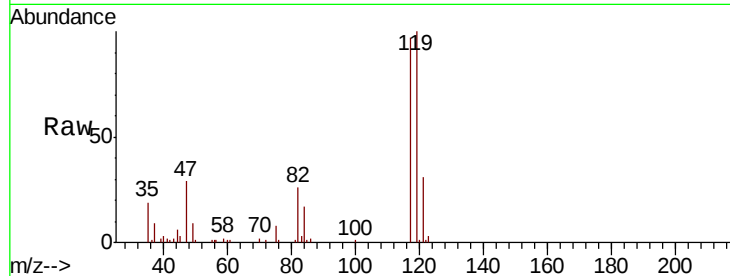
Tot Ion:117 Resp: 67408

Ion Ratio Lower Upper

117 100

119 102.7 74.4 111.6

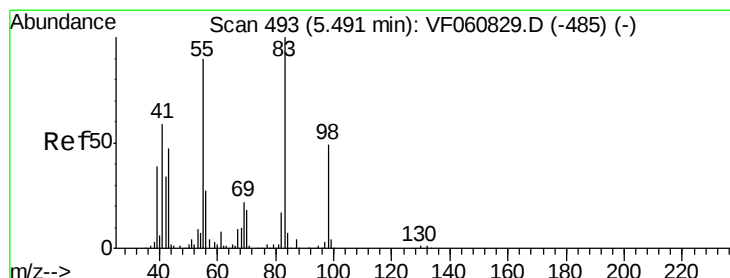
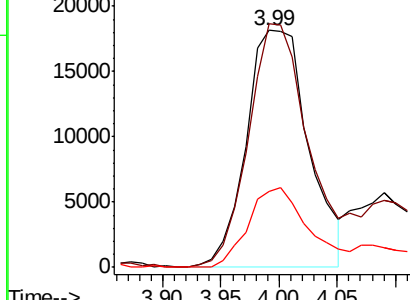
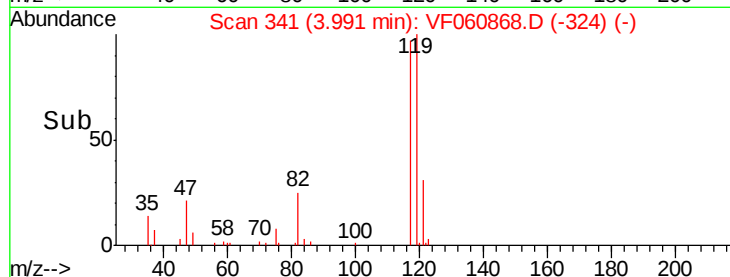
121 31.9 23.5 35.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#39

Methylcyclohexane

Concen: 21.758 ug/l

RT: 5.46 min Scan# 490

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

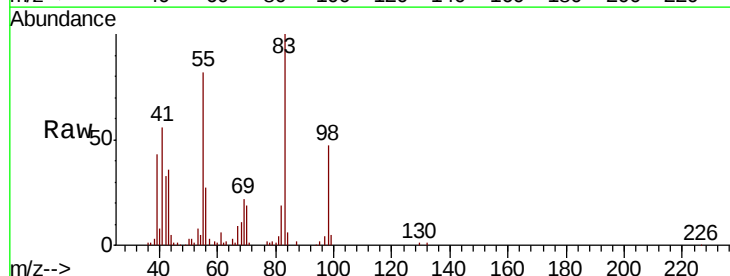
Tgt Ion: 83 Resp: 86881

Ion Ratio Lower Upper

83 100

55 81.7 72.1 108.1

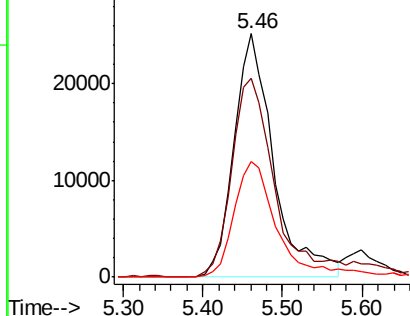
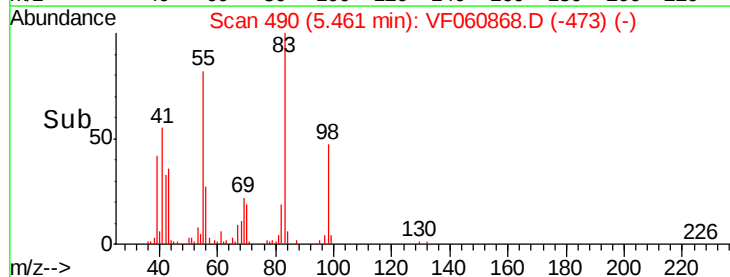
98 47.3 39.1 58.7

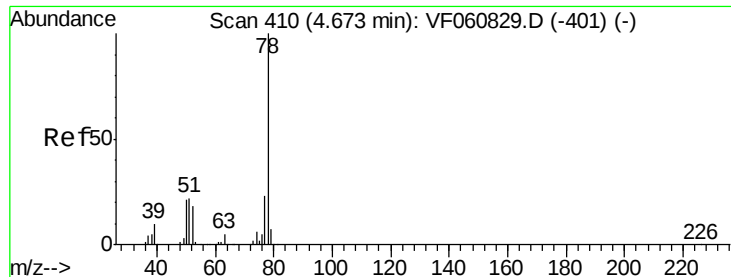


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#40

Benzene

Concen: 22.427 ug/l

RT: 4.64 min Scan# 407

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

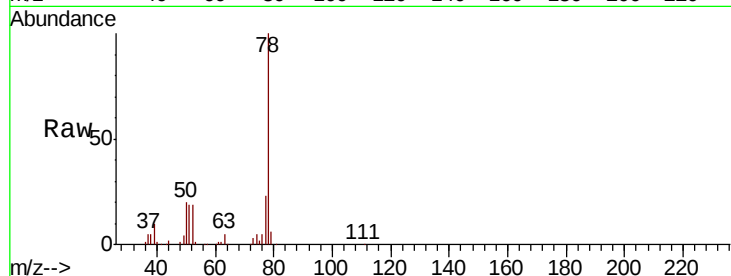
VF1129SBS01

Tot Ion: 78 Resp: 188781

Ion Ratio Lower Upper

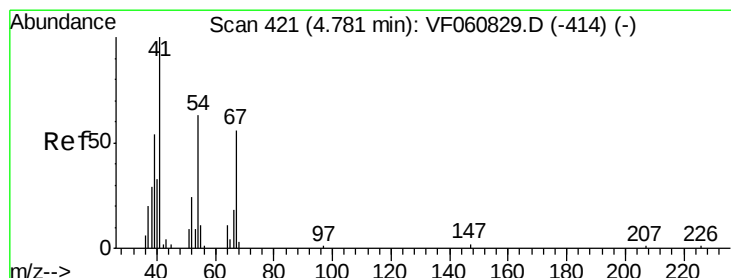
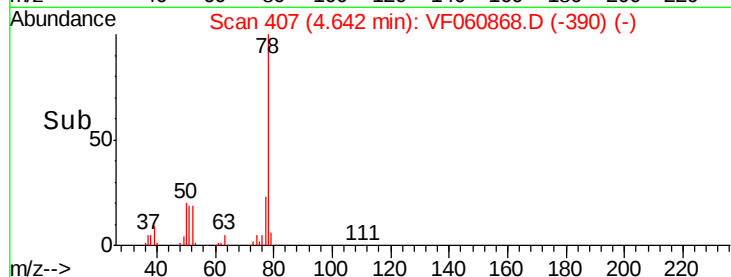
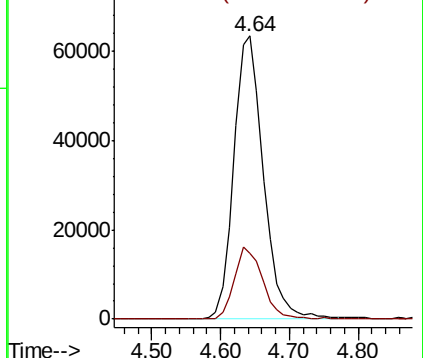
78 100

77 23.4 18.7 28.1



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0



#41

Methacrylonitrile

Concen: 19.281 ug/l

RT: 4.76 min Scan# 419

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Tgt Ion: 41 Resp: 17368

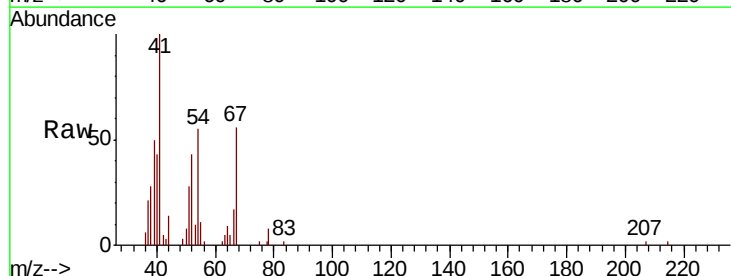
Ion Ratio Lower Upper

41 100

39 49.9 53.0 79.6#

67 56.0 43.8 65.6

52 43.0 37.8 56.8

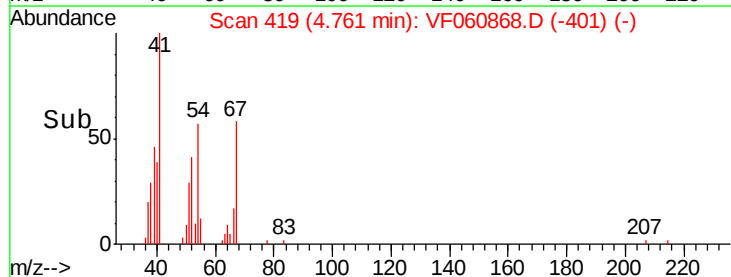
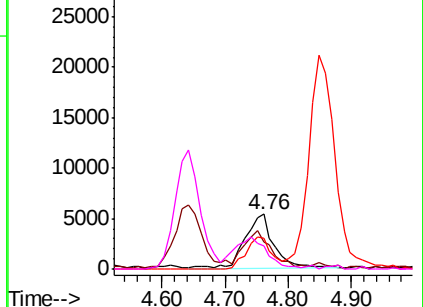


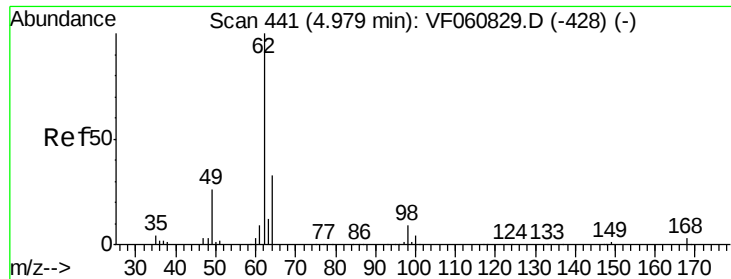
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#42

1,2-Dichloroethane

Concen: 20.447 ug/l

RT: 4.95 min Scan# 438

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

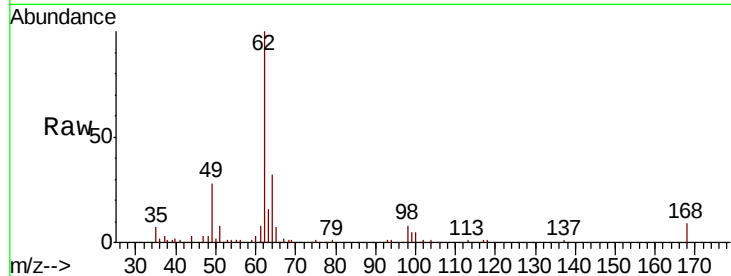
VF1129SBS01

Tot Ion: 62 Resp: 62836

Ion Ratio Lower Upper

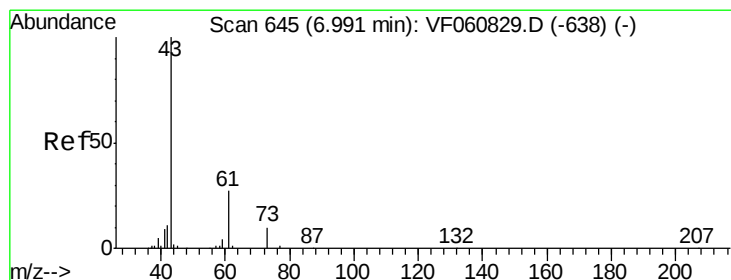
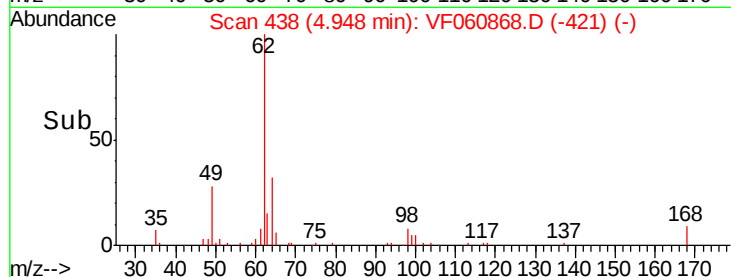
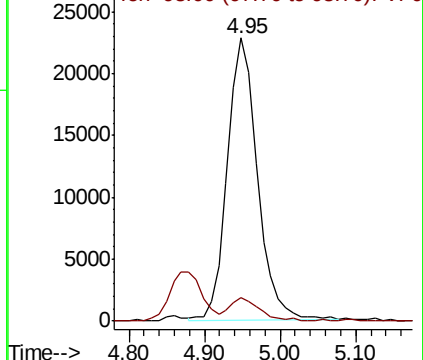
62 100

98 8.1 0.0 17.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#43

Isopropyl Acetate

Concen: 18.518 ug/l

RT: 6.96 min Scan# 642

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

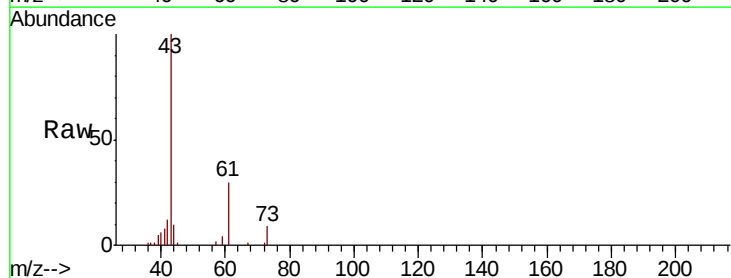
Tgt Ion: 43 Resp: 38648

Ion Ratio Lower Upper

43 100

61 29.8 21.4 32.0

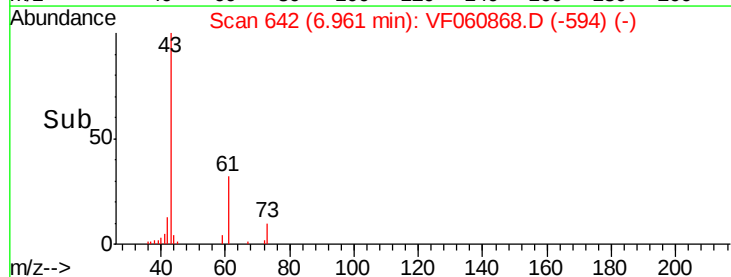
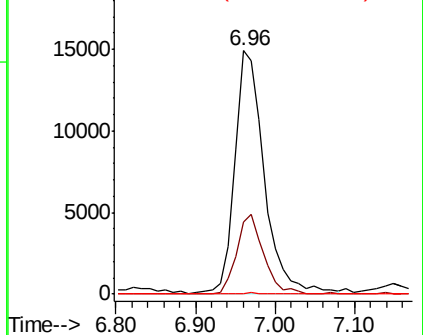
87 0.0 0.2 0.4#

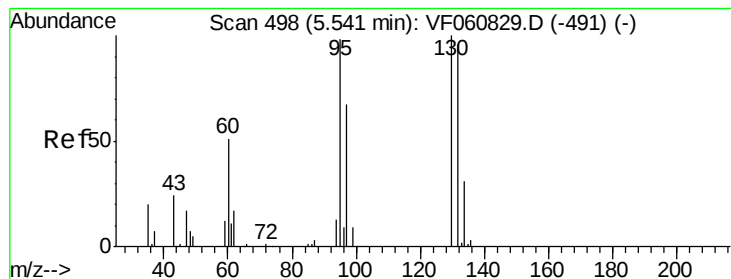


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#44

Trichloroethene

Concen: 20.430 ug/l

RT: 5.51 min Scan# 495

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

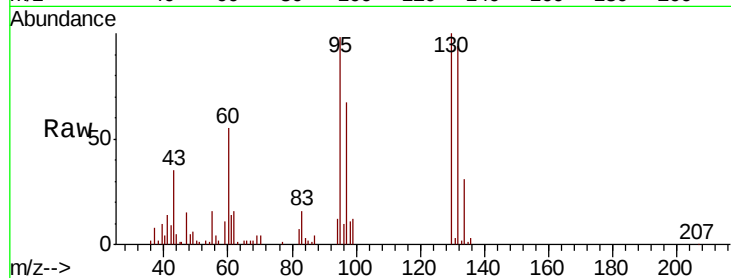
VF1129SBS01

Tot Ion:130 Resp: 56230

Ion Ratio Lower Upper

130 100

95 98.5 0.0 195.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

5.51

20000

15000

10000

5000

0

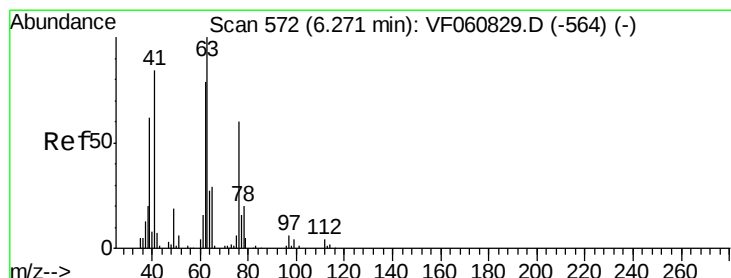
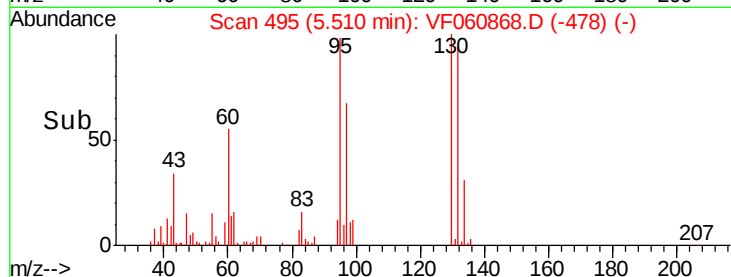
Time-->

5.40

5.50

5.60

5.70



#45

1,2-Dichloropropane

Concen: 20.746 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.03 min

Lab File: VF060868.D

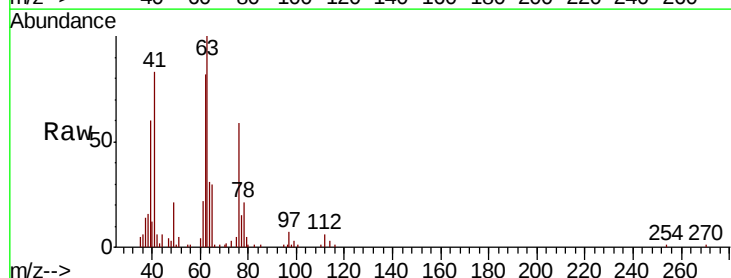
Acq: 29 Nov 2018 15:39

Tgt Ion: 63 Resp: 45355

Ion Ratio Lower Upper

63 100

65 30.4 23.2 34.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.24

15000

10000

5000

0

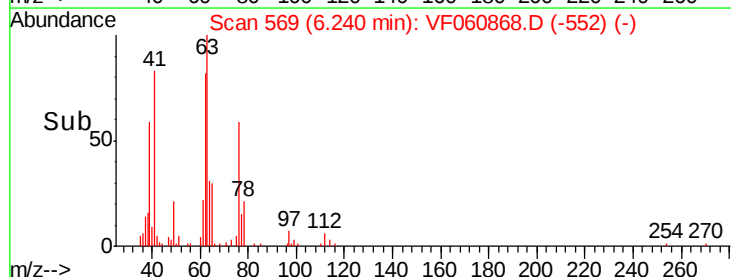
Time-->

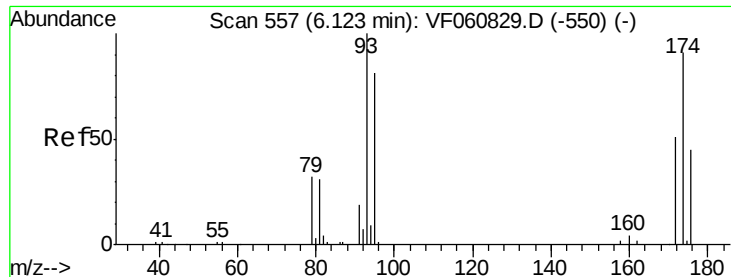
6.10

6.20

6.30

6.40

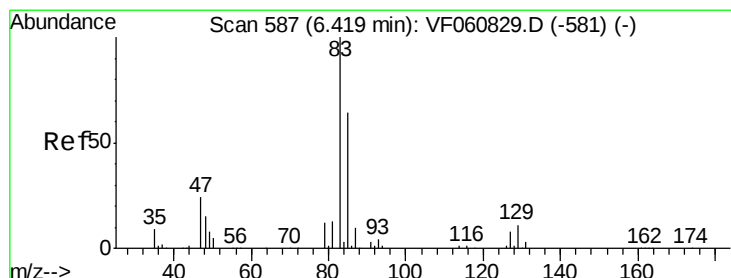
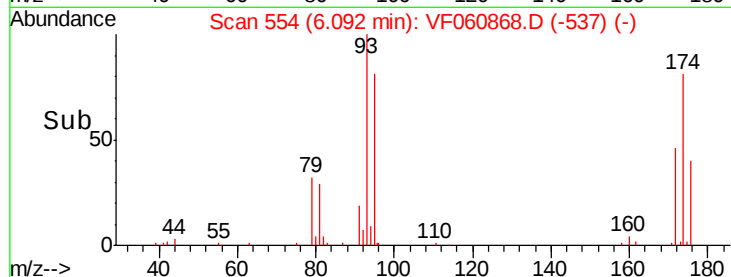
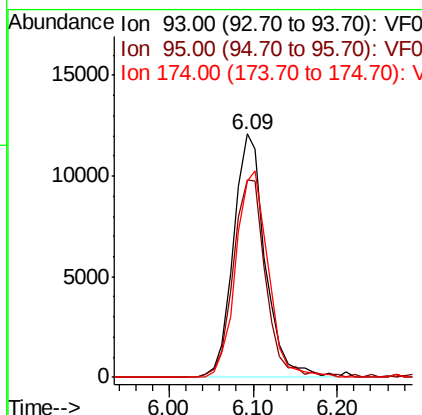
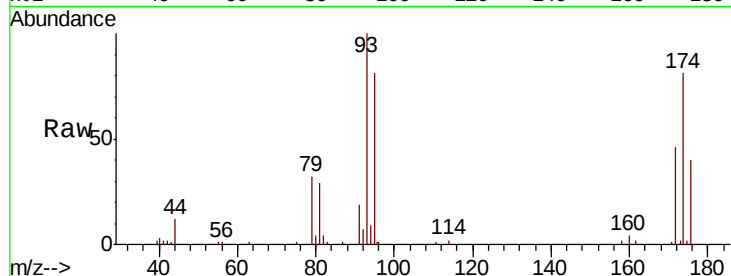




#46
 Dibromomethane
 Concen: 21.410 ug/l
 RT: 6.09 min Scan# 554
 Delta R.T. -0.03 min
 Lab File: VF060868.D
 Acq: 29 Nov 2018 15:39

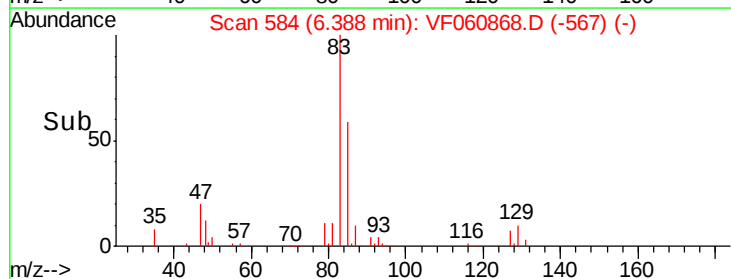
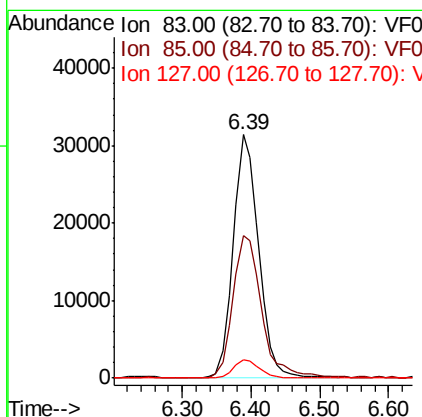
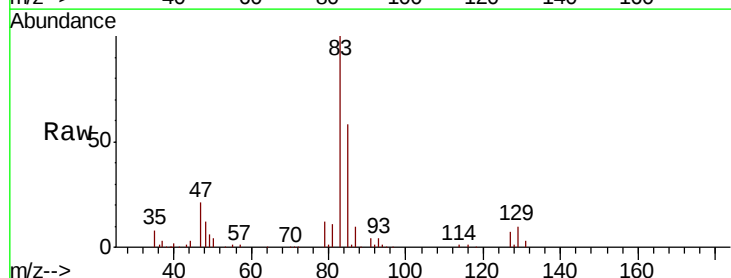
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1129SBS01

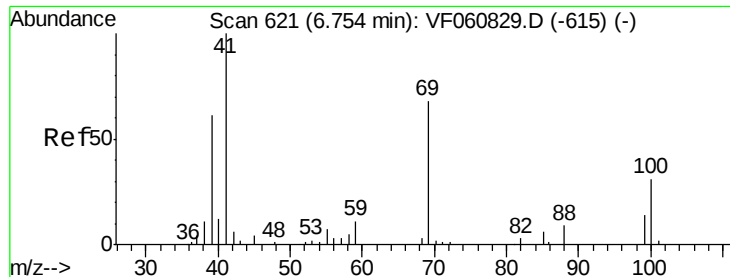
Tot Ion: 93 Resp: 31751
 Ion Ratio Lower Upper
 93 100
 95 81.1 64.7 97.1
 174 80.8 73.0 109.6



#47
 Bromodichloromethane
 Concen: 20.419 ug/l
 RT: 6.39 min Scan# 584
 Delta R.T. -0.03 min
 Lab File: VF060868.D
 Acq: 29 Nov 2018 15:39

Tgt Ion: 83 Resp: 80430
 Ion Ratio Lower Upper
 83 100
 85 58.5 51.1 76.7
 127 7.3 6.8 10.2





#48

Methyl methacrylate

Concen: 18.978 ug/l

RT: 6.72 min Scan# 618

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

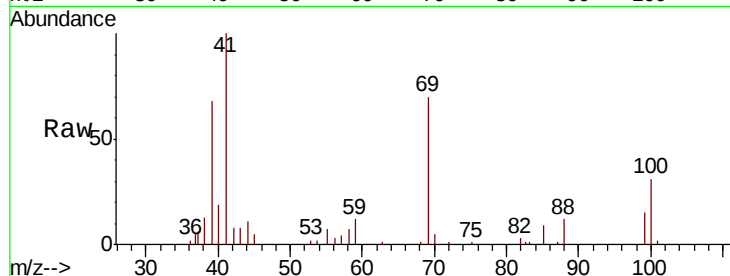
Tot Ion: 41 Resp: 26599

Ion Ratio Lower Upper

41 100

69 69.6 53.9 80.9

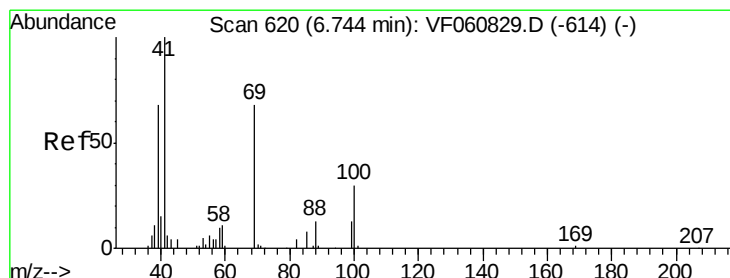
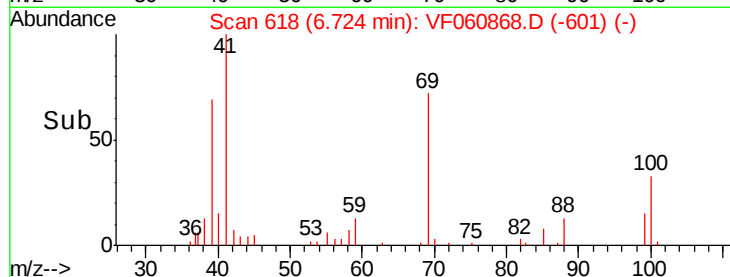
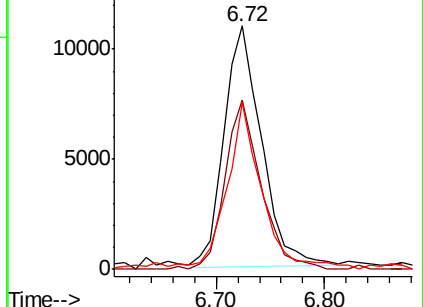
39 68.4 49.0 73.6



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: 430.510 ug/l

RT: 6.72 min Scan# 618

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

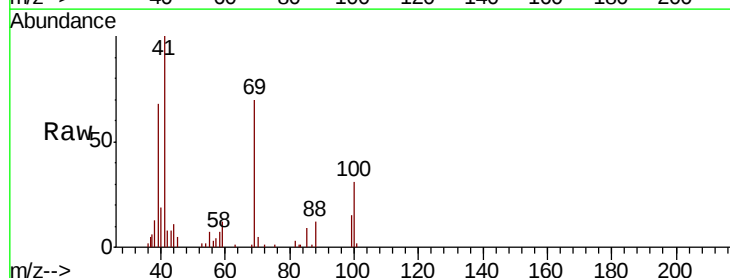
Tgt Ion: 88 Resp: 4416

Ion Ratio Lower Upper

88 100

43 68.5 42.0 63.0#

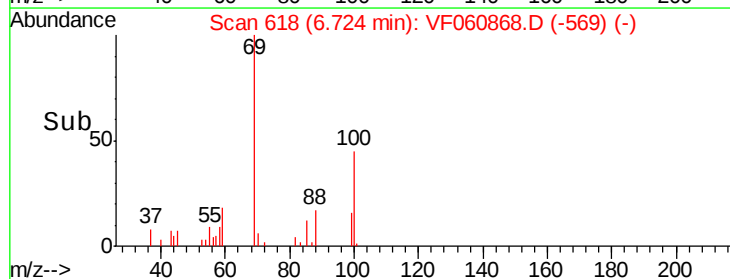
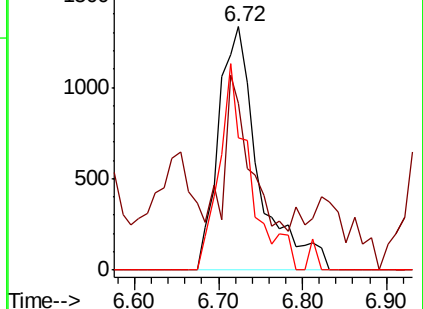
58 54.5 61.8 92.8#

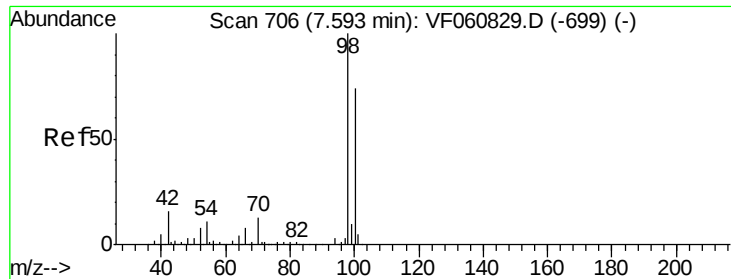


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 47.700 ug/l

RT: 7.56 min Scan# 703

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

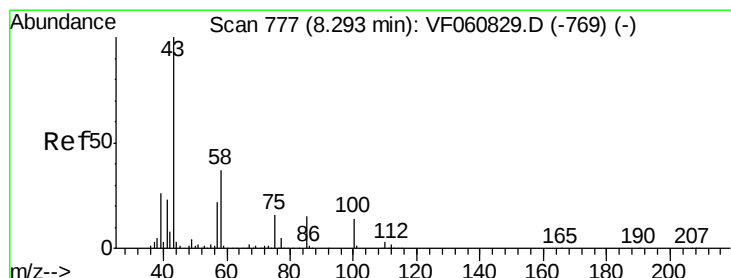
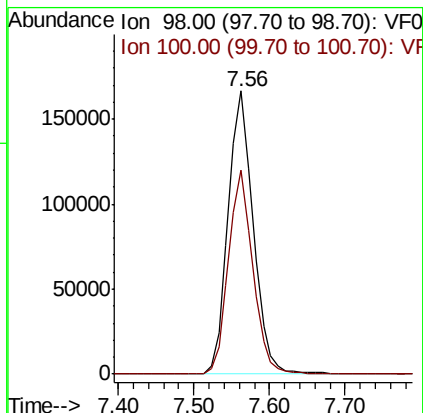
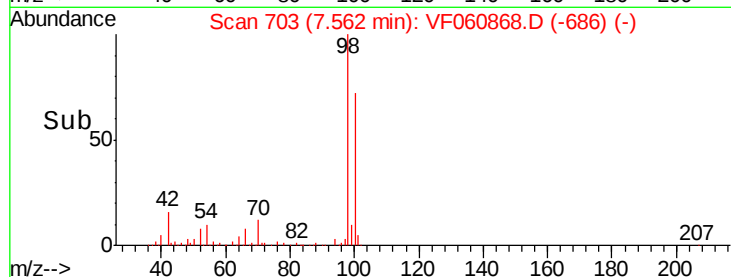
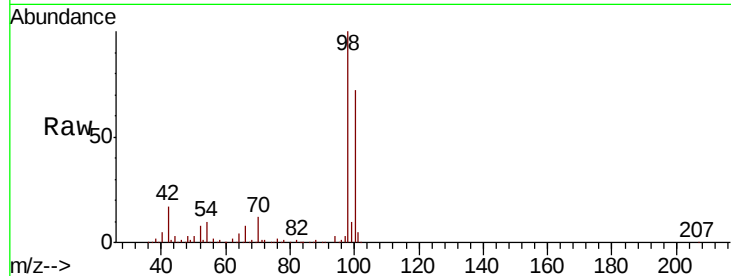
VF1129SBS01

Tot Ion: 98 Resp: 382931

Ion Ratio Lower Upper

98 100

100 72.0 59.3 88.9



#51

4-Methyl-2-Pentanone

Concen: 94.772 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.02 min

Lab File: VF060868.D

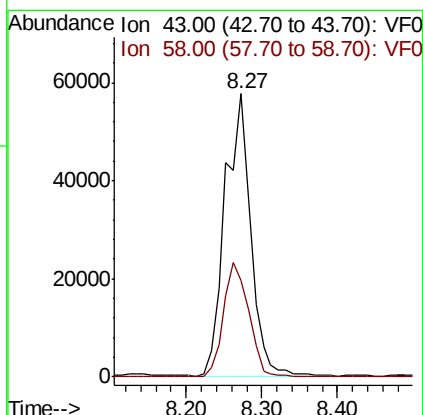
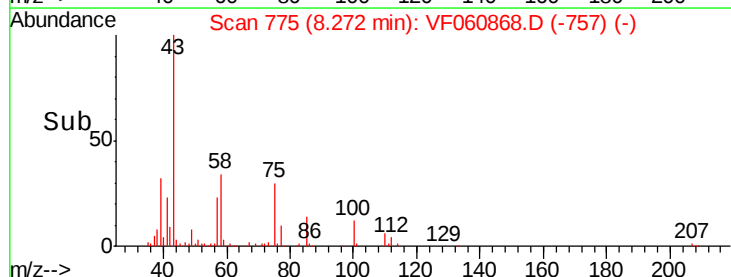
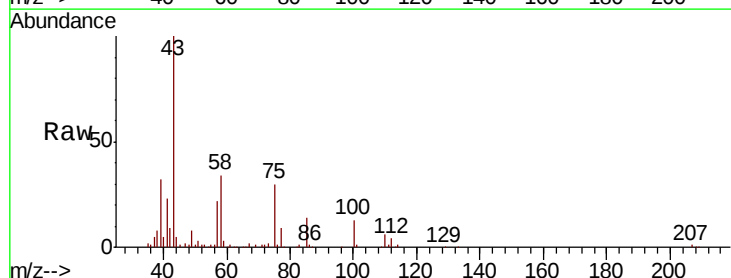
Acq: 29 Nov 2018 15:39

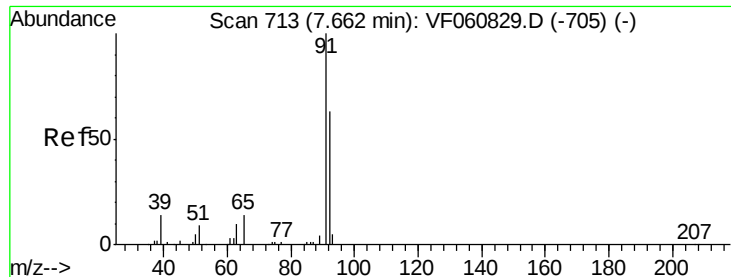
Tgt Ion: 43 Resp: 135322

Ion Ratio Lower Upper

43 100

58 34.3 29.7 44.5





#52

Toluene

Concen: 19.202 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

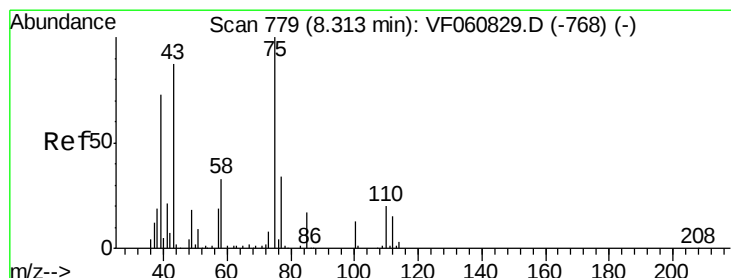
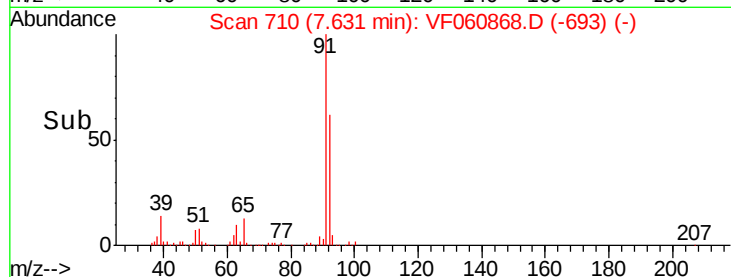
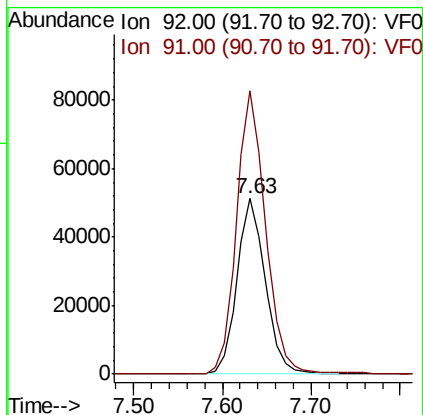
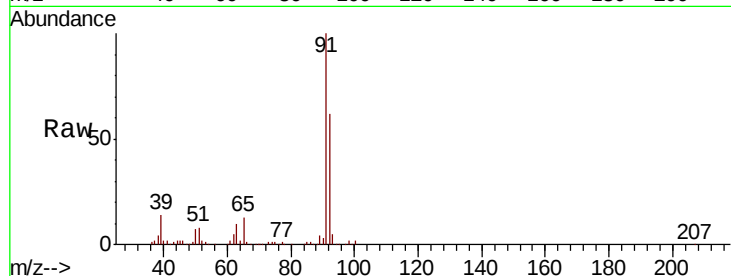
VF1129SBS01

Tot Ion: 92 Resp: 113533

Ion Ratio Lower Upper

92 100

91 161.1 126.2 189.2



#53

t-1,3-Dichloropropene

Concen: 19.708 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.03 min

Lab File: VF060868.D

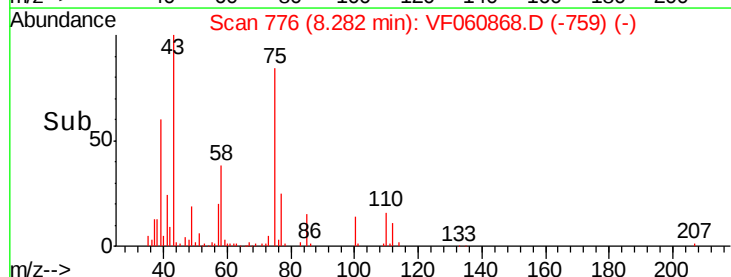
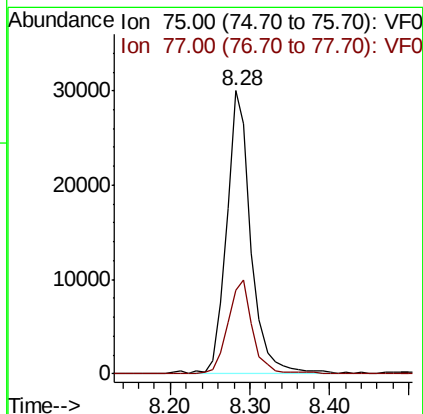
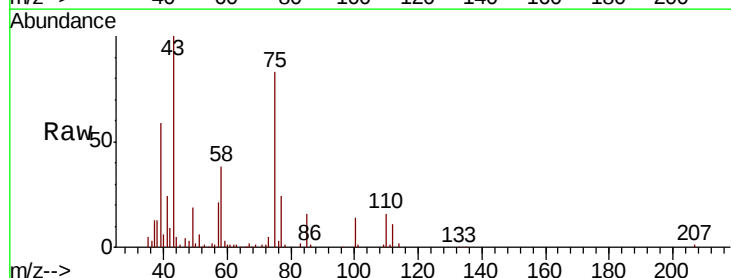
Acq: 29 Nov 2018 15:39

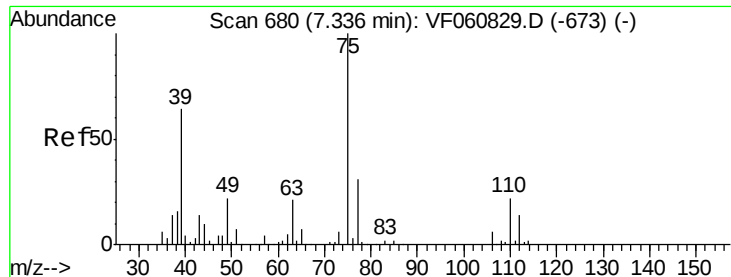
Tgt Ion: 75 Resp: 63145

Ion Ratio Lower Upper

75 100

77 29.4 27.4 41.2





#54

cis-1,3-Dichloropropene

Concen: 21.036 ug/l

RT: 7.31 min Scan# 677

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

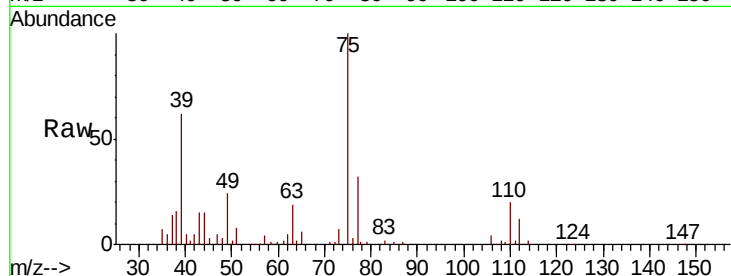
Tot Ion: 75 Resp: 83439

Ion Ratio Lower Upper

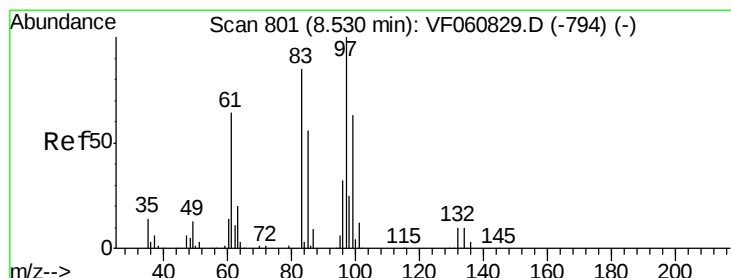
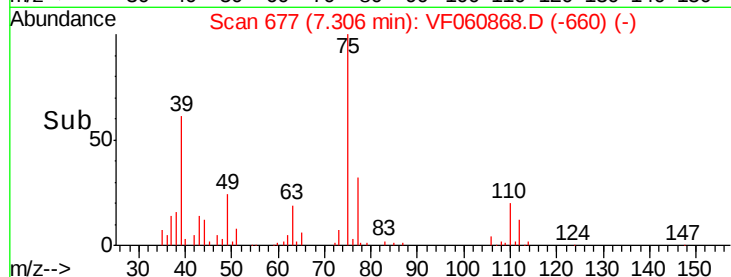
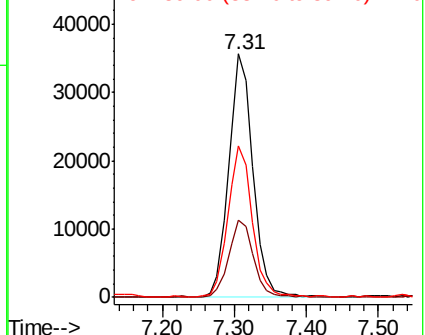
75 100

77 31.9 25.0 37.6

39 62.4 51.1 76.7



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0
Ion 39.00 (38.70 to 39.70): VF0



#55

1,1,2-Trichloroethane

Concen: 19.848 ug/l

RT: 8.50 min Scan# 798

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Tgt Ion: 97 Resp: 34195

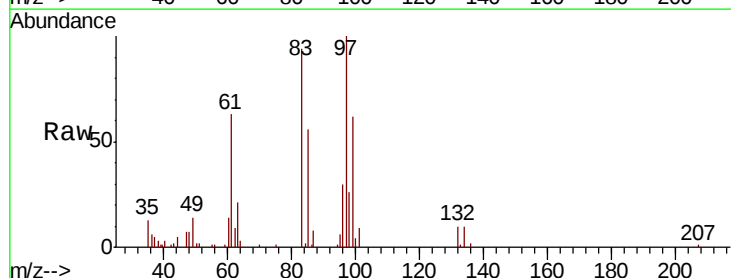
Ion Ratio Lower Upper

97 100

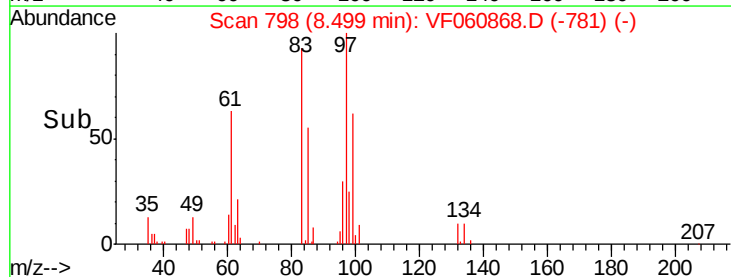
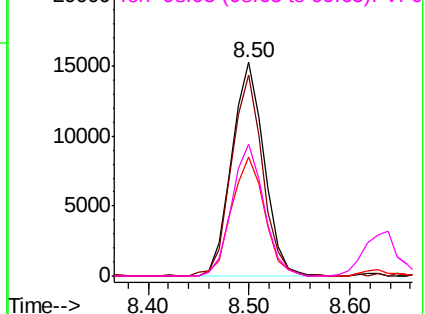
83 94.2 67.8 101.6

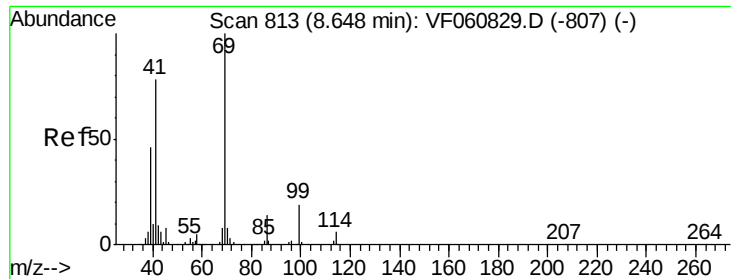
85 55.9 45.0 67.6

99 61.9 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: 18.817 ug/l

RT: 8.63 min Scan# 811

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

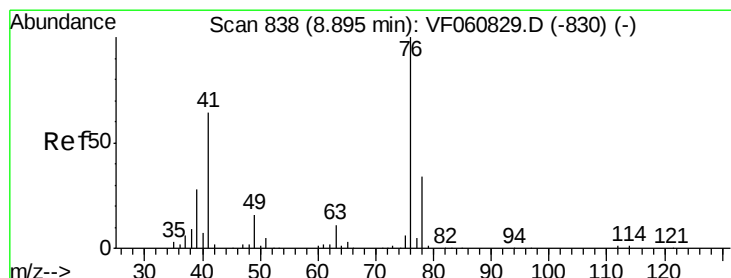
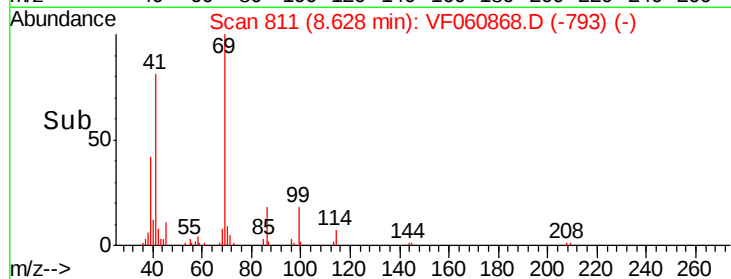
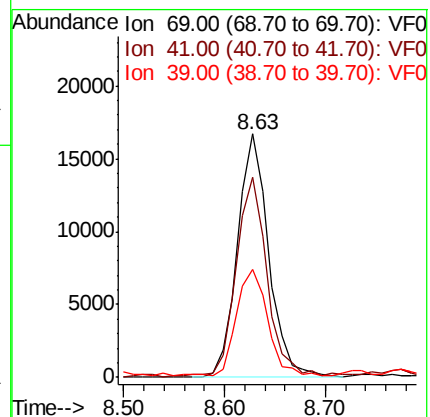
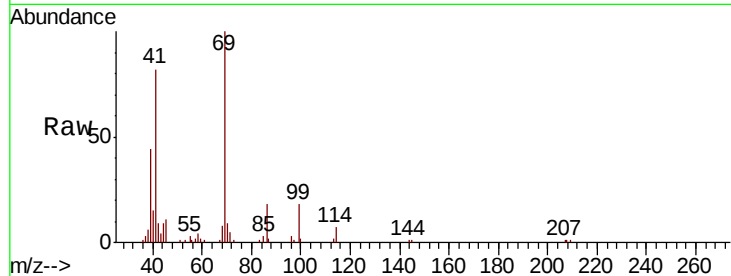
Tot Ion: 69 Resp: 36013

Ion Ratio Lower Upper

69 100

41 82.0 62.6 94.0

39 44.2 37.8 56.6



#57

1,3-Dichloropropane

Concen: 20.704 ug/l

RT: 8.86 min Scan# 835

Delta R.T. -0.03 min

Lab File: VF060868.D

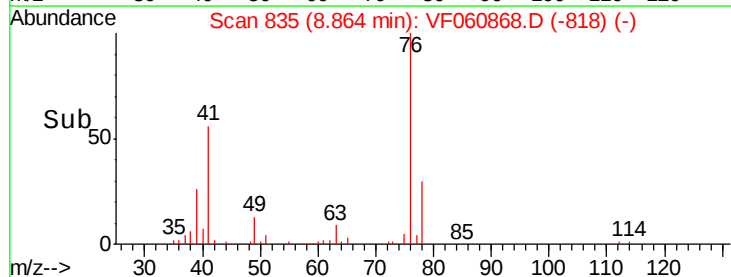
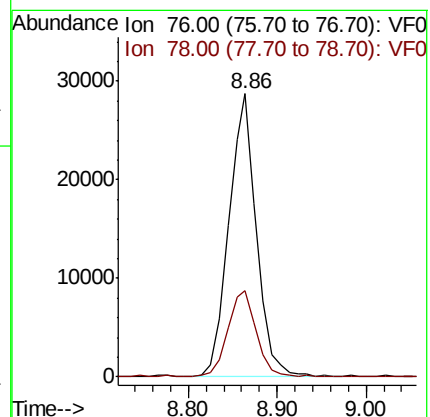
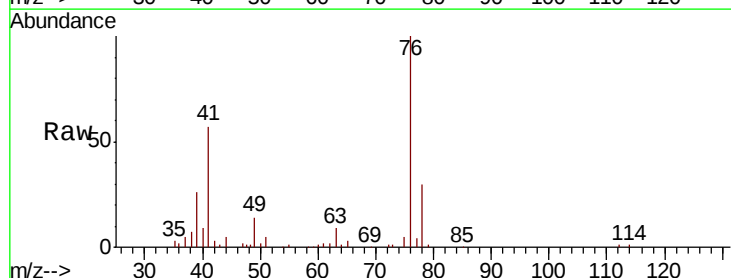
Acq: 29 Nov 2018 15:39

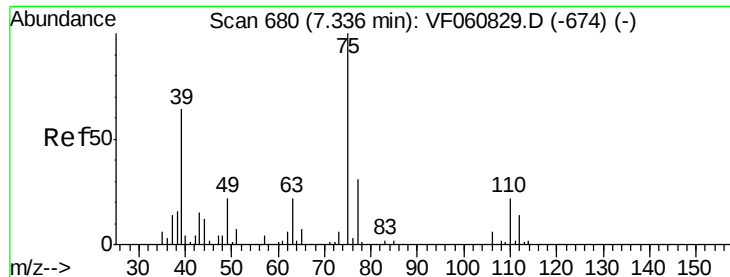
Tgt Ion: 76 Resp: 62406

Ion Ratio Lower Upper

76 100

78 30.3 27.0 40.4





#58

2-Chloroethyl Vinyl ether

Concen: 81.685 ug/l

RT: 7.31 min Scan# 677

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

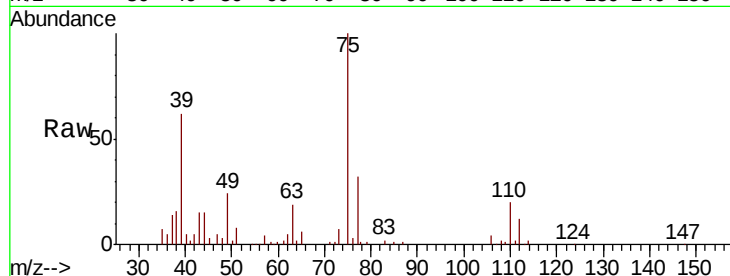
VF1129SBS01

Tot Ion: 63 Resp: 15991

Ion Ratio Lower Upper

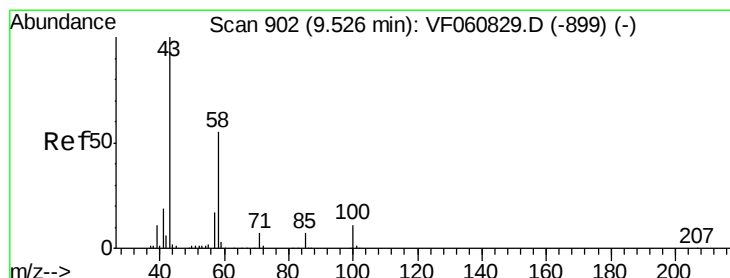
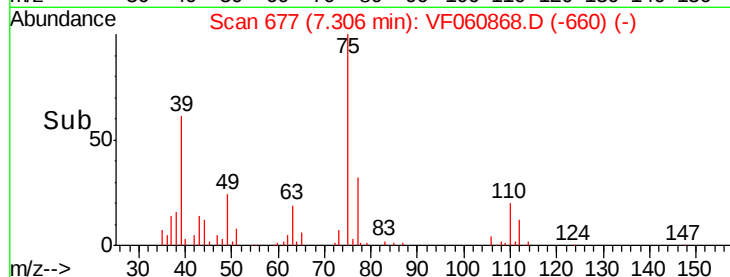
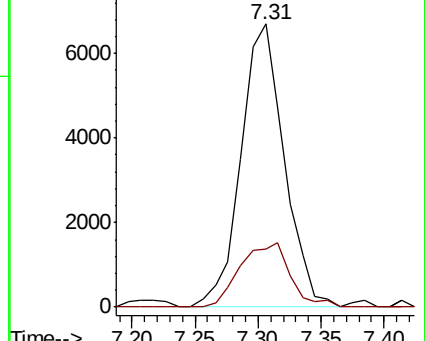
63 100

106 20.3 23.0 34.6#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V



#59

2-Hexanone

Concen: 105.644 ug/l

RT: 9.50 min Scan# 899

Delta R.T. -0.03 min

Lab File: VF060868.D

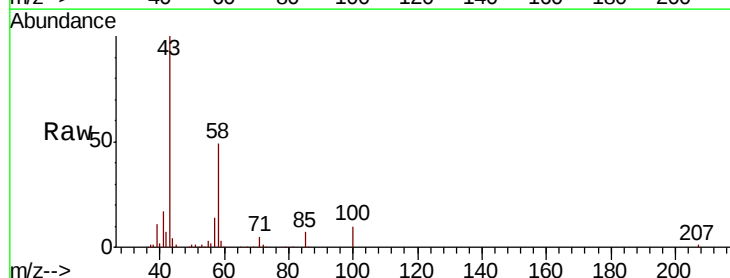
Acq: 29 Nov 2018 15:39

Tgt Ion: 43 Resp: 105827

Ion Ratio Lower Upper

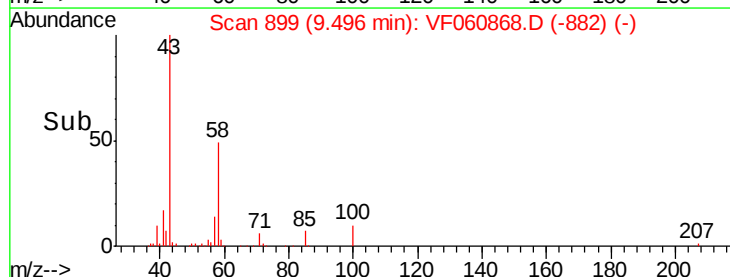
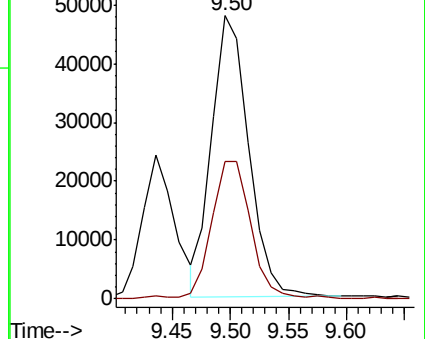
43 100

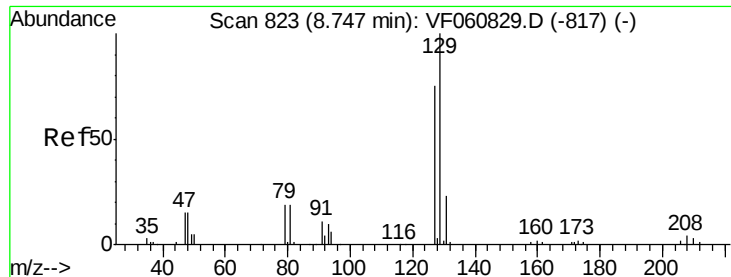
58 48.5 25.6 76.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#60

Dibromochloromethane

Concen: 19.578 ug/l

RT: 8.73 min Scan# 821

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

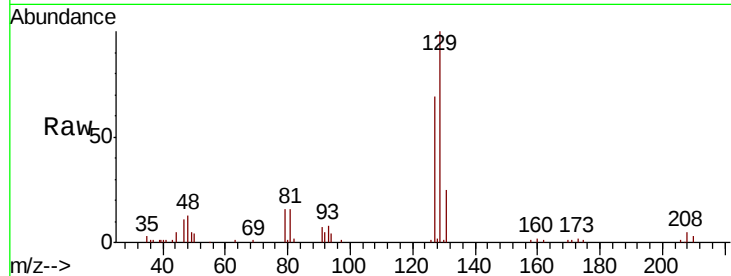
VF1129SBS01

Tot Ion:129 Resp: 50257

Ion Ratio Lower Upper

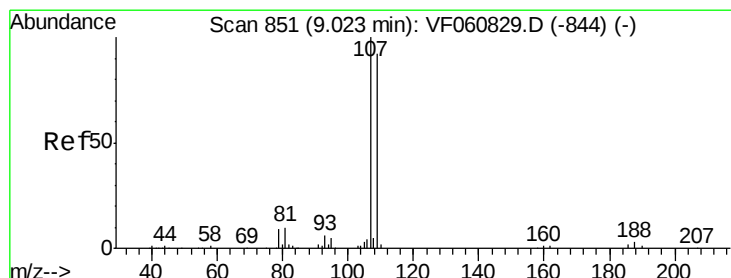
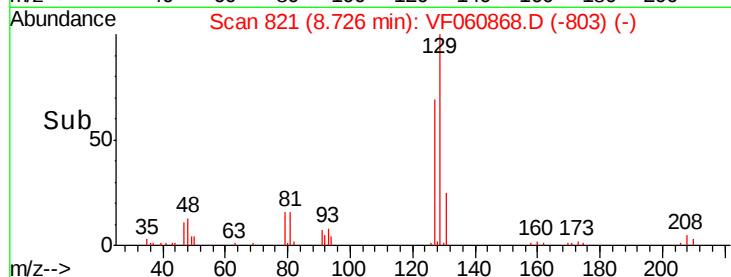
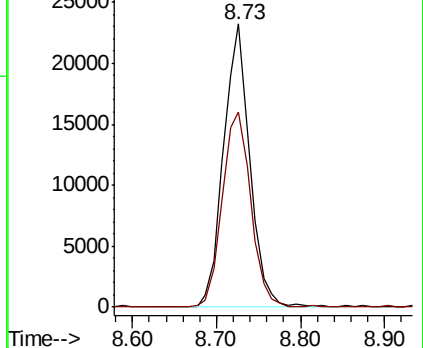
129 100

127 68.7 37.3 111.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#61

1,2-Dibromoethane

Concen: 19.074 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.03 min

Lab File: VF060868.D

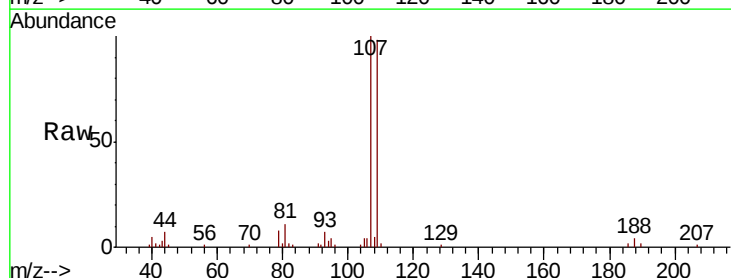
Acq: 29 Nov 2018 15:39

Tgt Ion:107 Resp: 35500

Ion Ratio Lower Upper

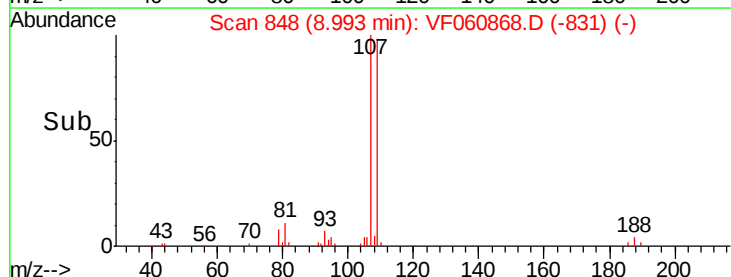
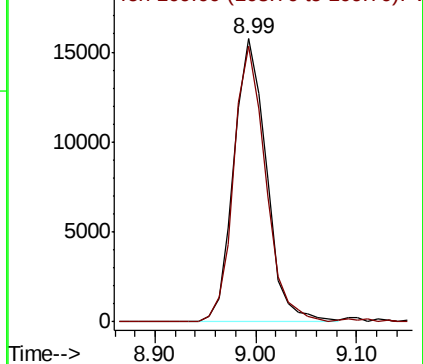
107 100

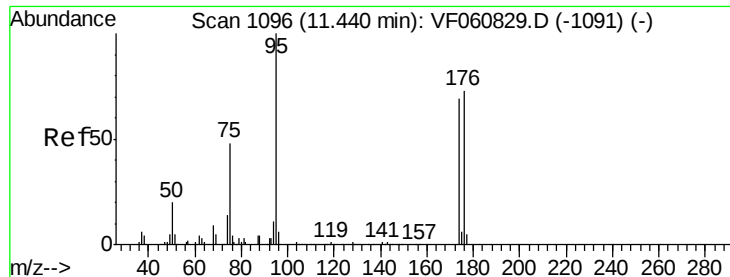
109 97.6 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

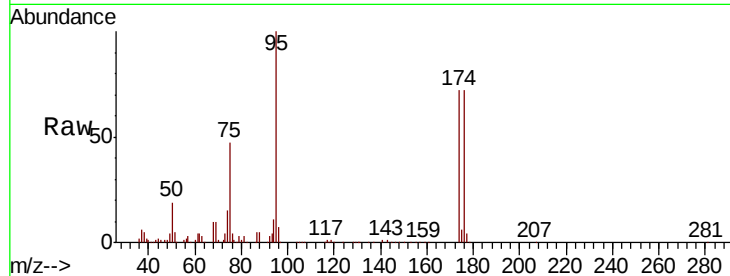




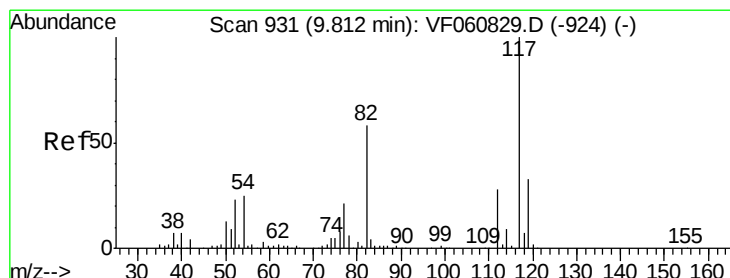
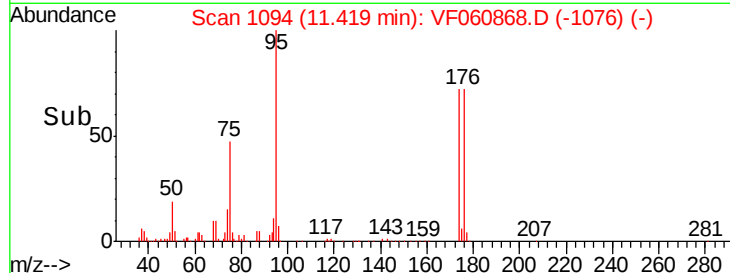
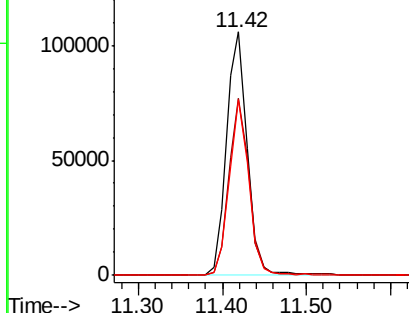
#62
4-Bromofluorobenzene
Concen: 49.675 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. -0.02 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Instrument :
MSVOA_F
ClientSampled :
VF1129SBS01

Tot Ion: 95 Resp: 181242
Ion Ratio Lower Upper
95 100
174 72.5 0.0 138.2
176 72.0 0.0 146.2

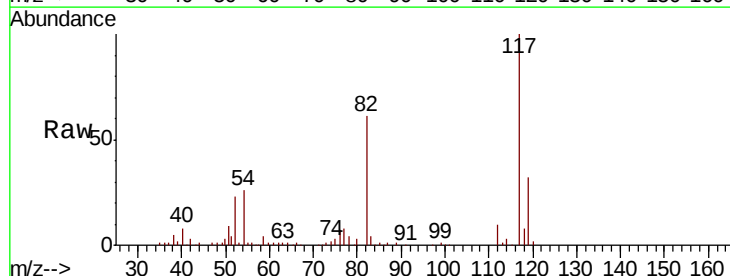


Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

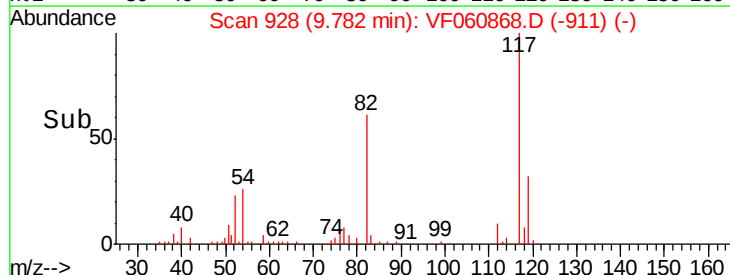
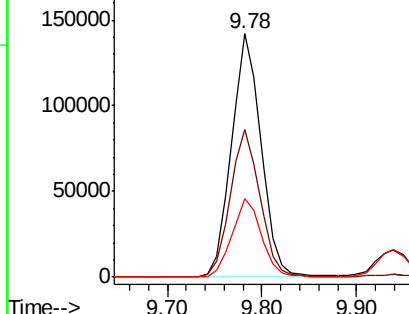


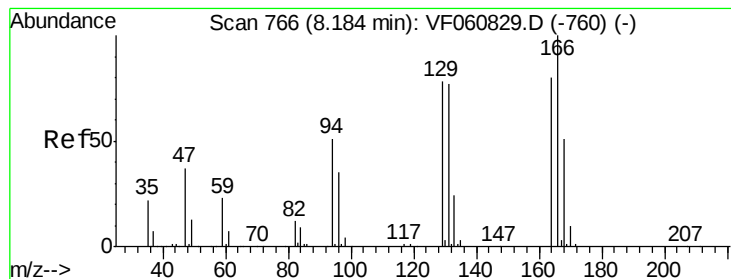
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Tgt Ion: 117 Resp: 308602
Ion Ratio Lower Upper
117 100
82 60.6 46.6 69.8
119 32.0 26.4 39.6



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





#64

Tetrachloroethene

Concen: 22.223 ug/l

RT: 8.16 min Scan# 764

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

Tot Ion:164 Resp: 52382

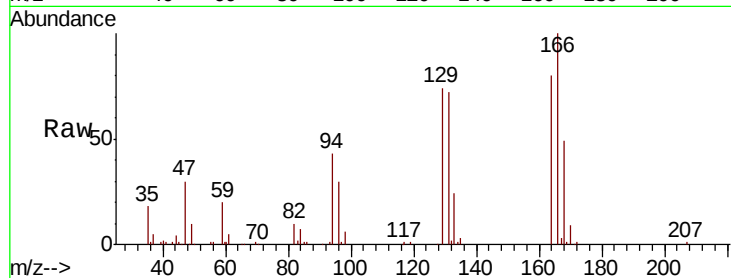
Ion Ratio Lower Upper

164 100

166 124.9 100.3 150.5

129 91.8 77.9 116.9

131 90.0 77.5 116.3



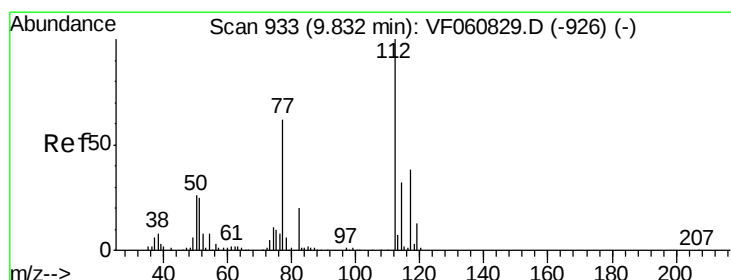
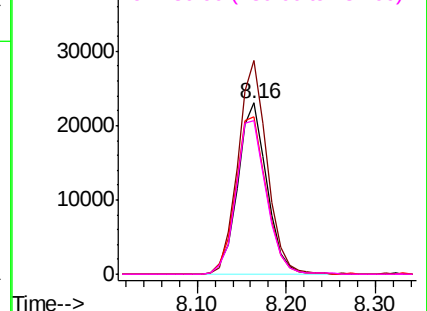
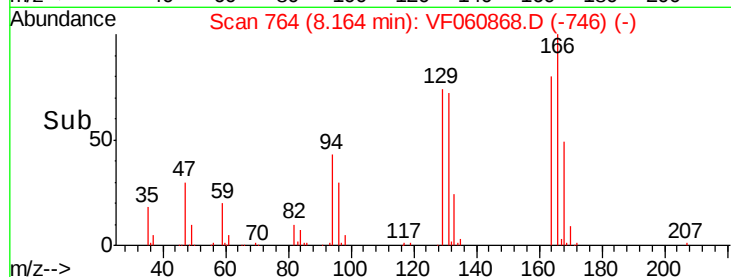
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#65

Chlorobenzene

Concen: 21.513 ug/l

RT: 9.80 min Scan# 930

Delta R.T. -0.03 min

Lab File: VF060868.D

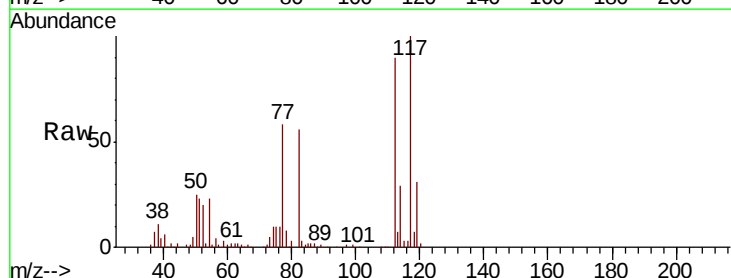
Acq: 29 Nov 2018 15:39

Tgt Ion:112 Resp: 129155

Ion Ratio Lower Upper

112 100

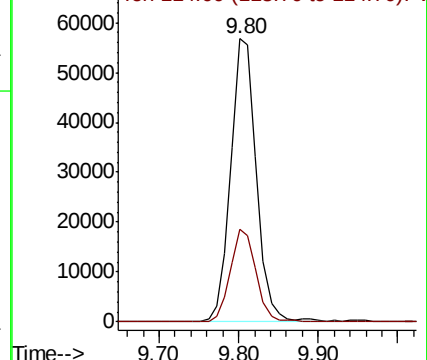
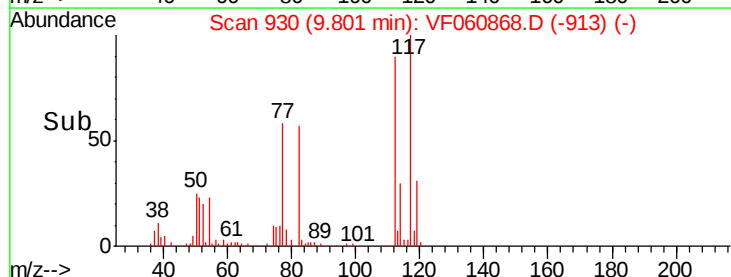
114 32.7 26.0 39.0

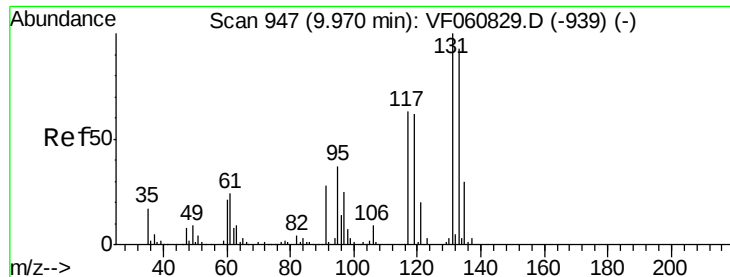


Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

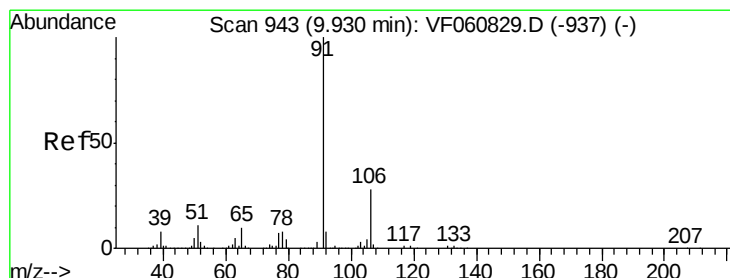
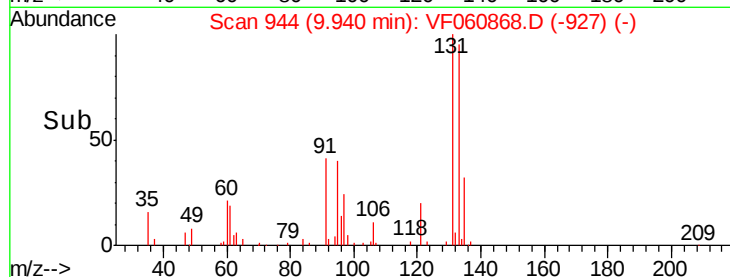
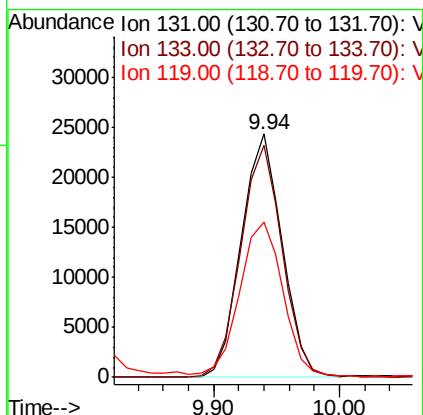
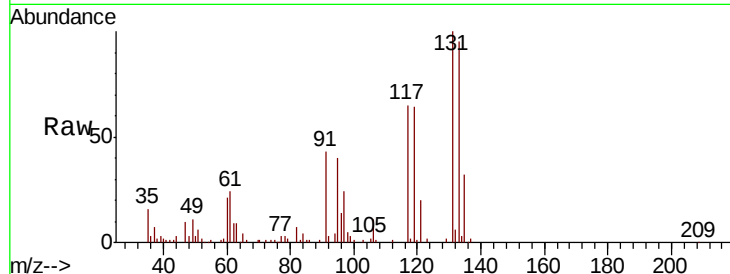




#66
 1,1,1,2-Tetrachloroethane
 Concen: 21.155 ug/l
 RT: 9.94 min Scan# 944
 Delta R.T. -0.03 min
 Lab File: VF060868.D
 Acq: 29 Nov 2018 15:39

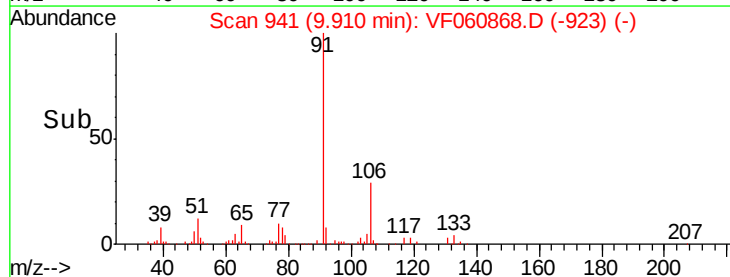
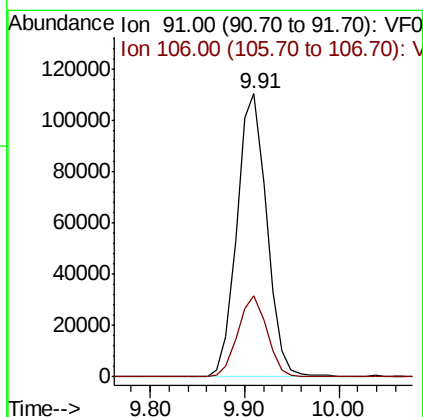
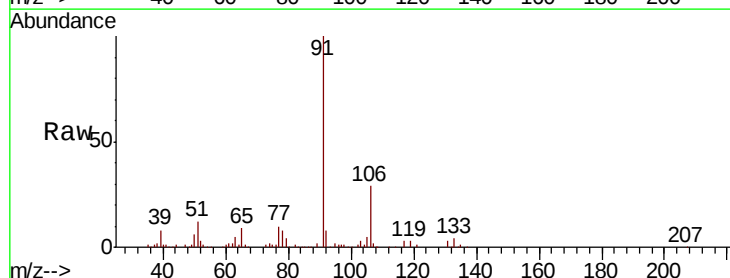
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1129SBS01

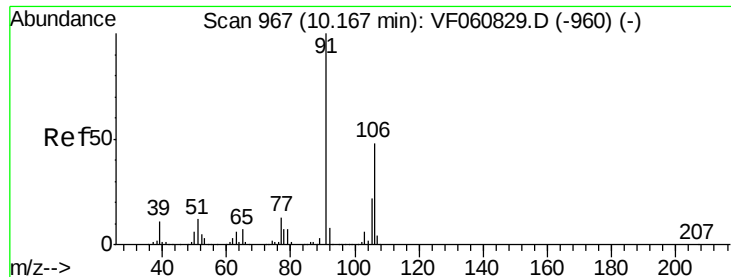
Tot Ion:131 Resp: 54598
 Ion Ratio Lower Upper
 131 100
 133 95.1 46.5 139.3
 119 63.9 31.1 93.3



#67
 Ethyl Benzene
 Concen: 21.690 ug/l
 RT: 9.91 min Scan# 941
 Delta R.T. -0.02 min
 Lab File: VF060868.D
 Acq: 29 Nov 2018 15:39

Tgt Ion: 91 Resp: 242418
 Ion Ratio Lower Upper
 91 100
 106 28.8 22.2 33.2





#68

m/p-Xylenes

Concen: 45.219 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

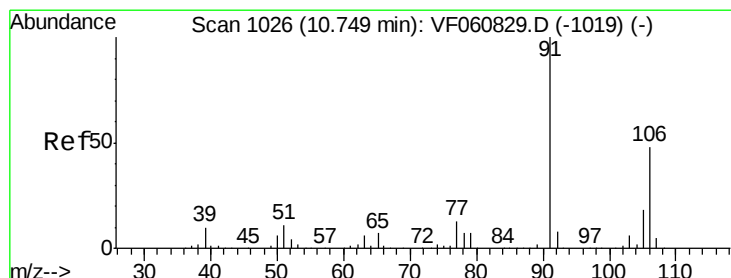
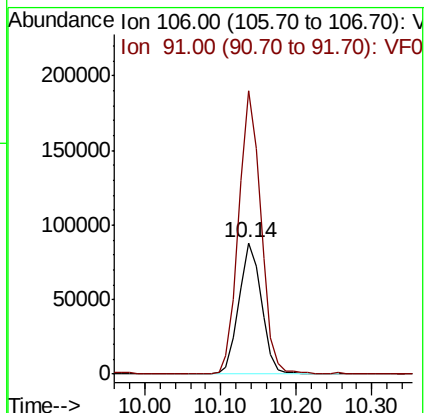
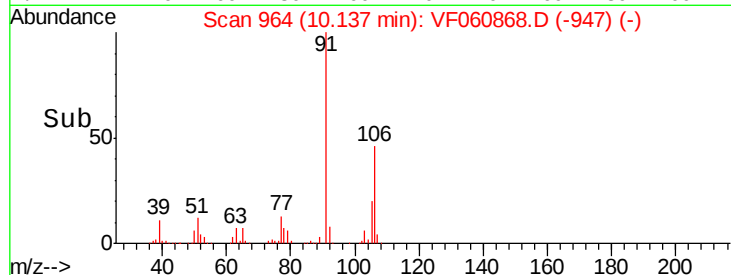
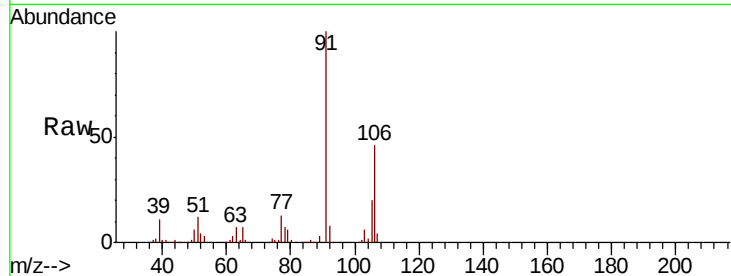
VF1129SBS01

Tot Ion:106 Resp: 181770

Ion Ratio Lower Upper

106 100

91 216.0 166.7 250.1



#69

o-Xylene

Concen: 21.795 ug/l

RT: 10.72 min Scan# 1023

Delta R.T. -0.03 min

Lab File: VF060868.D

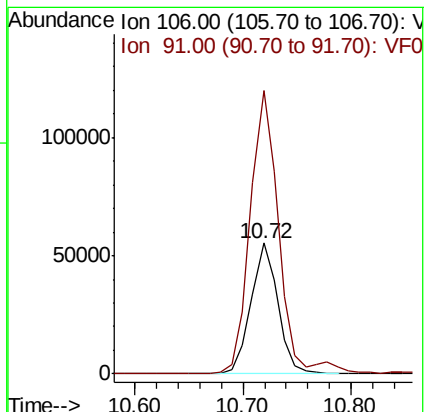
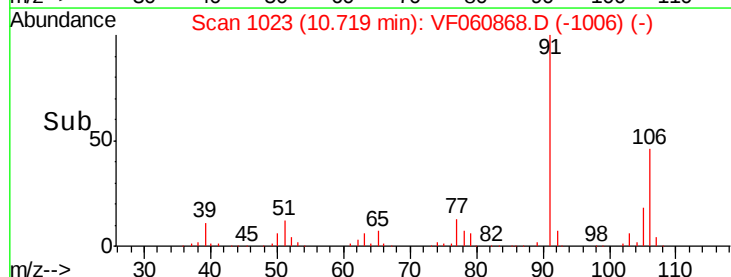
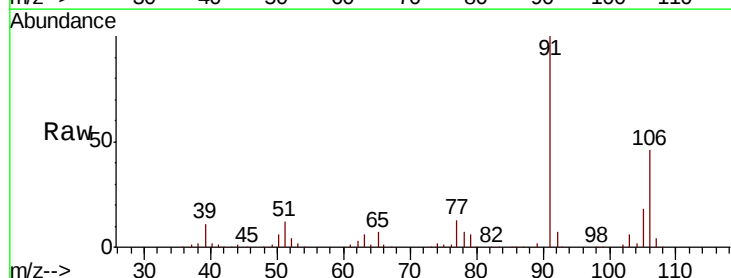
Acq: 29 Nov 2018 15:39

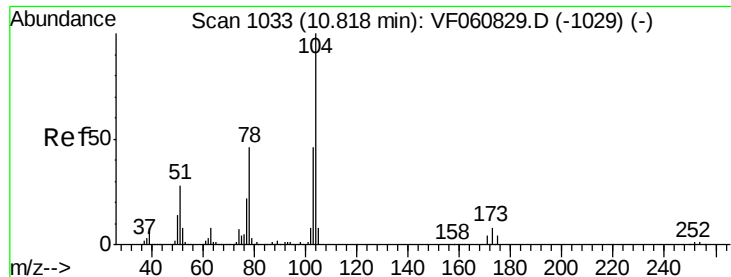
Tgt Ion:106 Resp: 96611

Ion Ratio Lower Upper

106 100

91 216.5 104.8 314.6

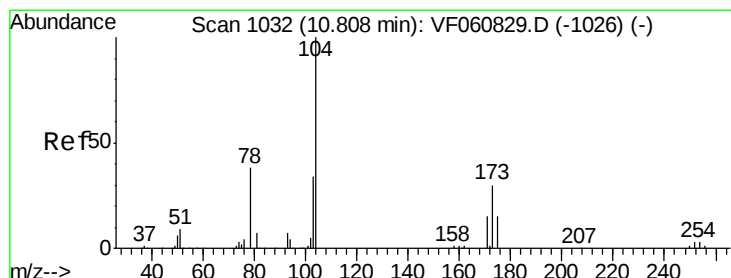
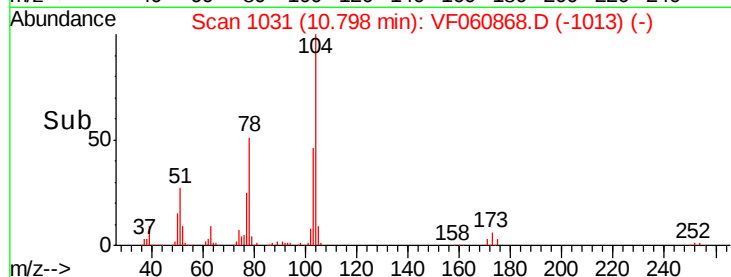
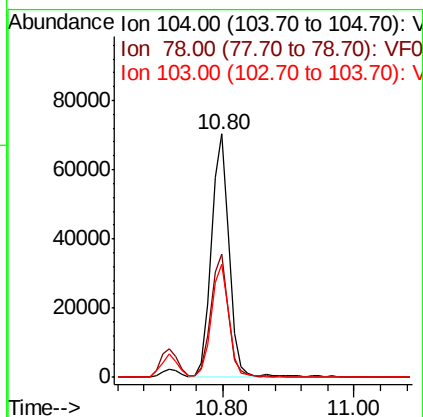
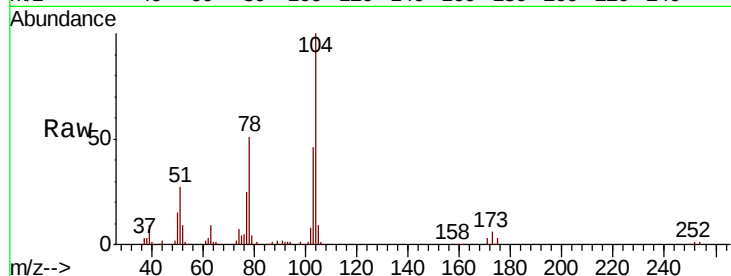




#70
Stvrene
Concen: 20.938 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.02 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

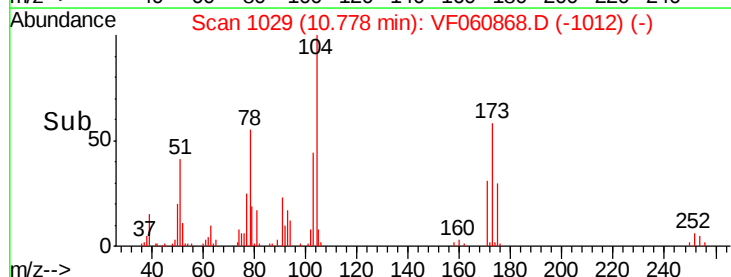
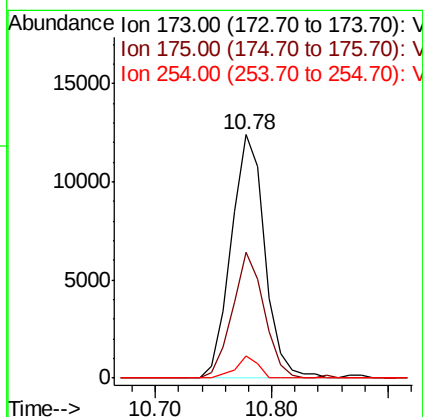
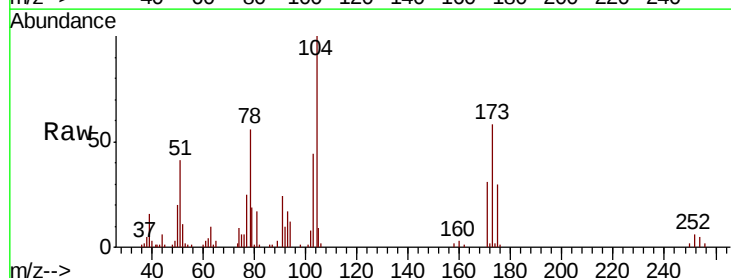
Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

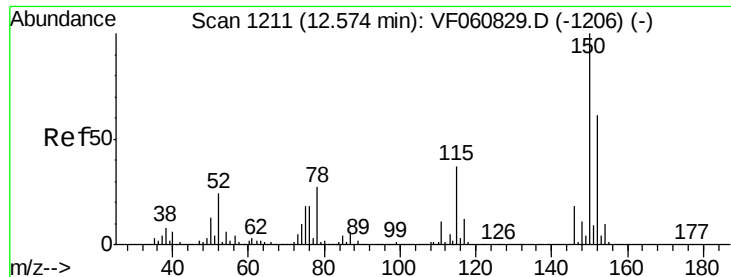
Tot Ion:104 Resp: 128656
Ion Ratio Lower Upper
104 100
78 50.5 37.3 55.9
103 46.4 36.8 55.2



#71
Bromoform
Concen: 19.882 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.03 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Tgt Ion:173 Resp: 24786
Ion Ratio Lower Upper
173 100
175 51.6 25.5 76.5
254 8.9 7.5 11.3



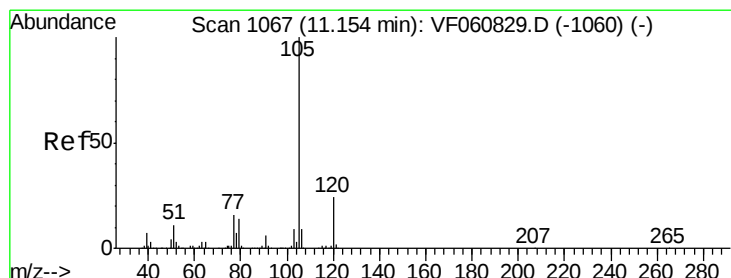
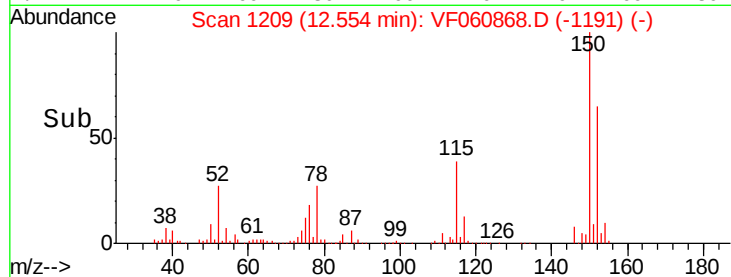
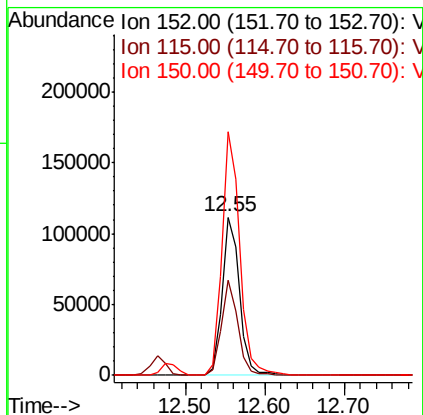
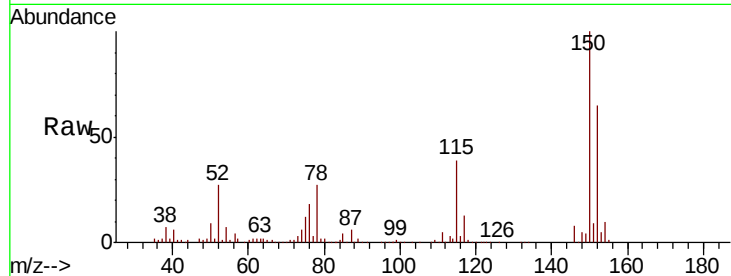


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

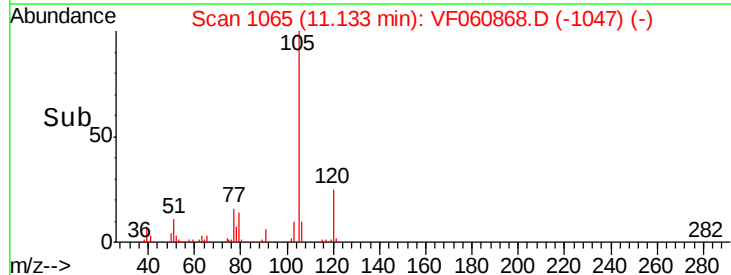
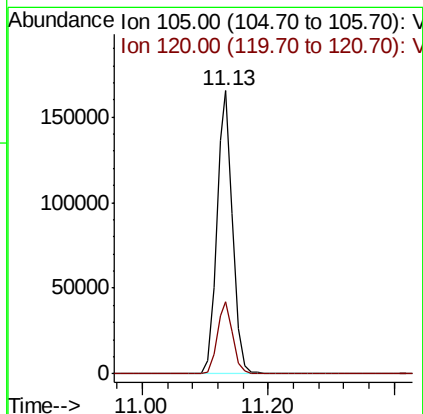
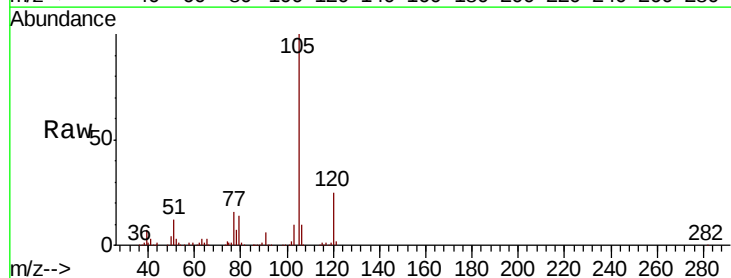
Tot Ion:152 Resp: 172625
Ion Ratio Lower Upper
152 100
115 60.0 30.1 90.5
150 154.2 0.0 327.6

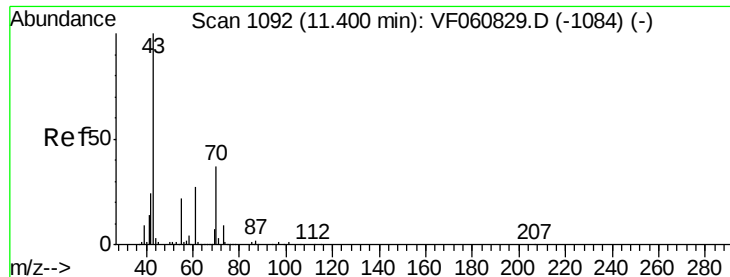


#73

Isopropylbenzene
Concen: 21.306 ug/l
RT: 11.13 min Scan# 1065
Delta R.T. -0.02 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Tgt Ion:105 Resp: 290653
Ion Ratio Lower Upper
105 100
120 25.5 12.2 36.4





#74

N-amvl acetate

Concen: 20.554 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

Tot Ion: 43 Resp: 64747

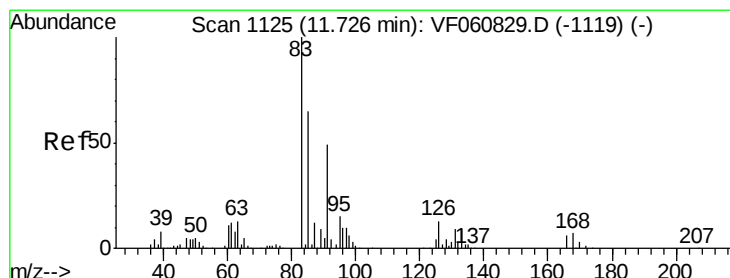
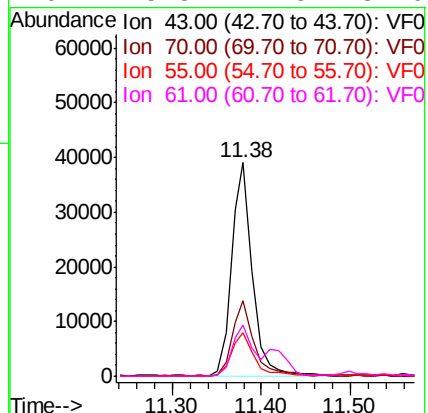
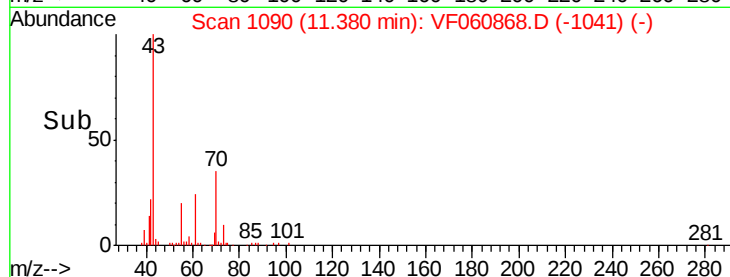
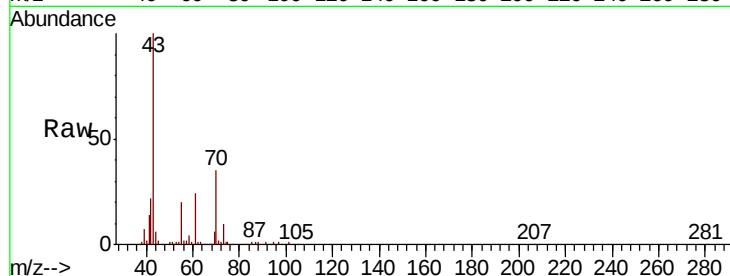
Ion	Ratio	Lower	Upper
43	100		
70	35.1	29.6	44.4
55	20.2	17.2	25.8
61	23.8	21.8	32.6

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#75

1,1,2,2-Tetrachloroethane

Concen: 21.600 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

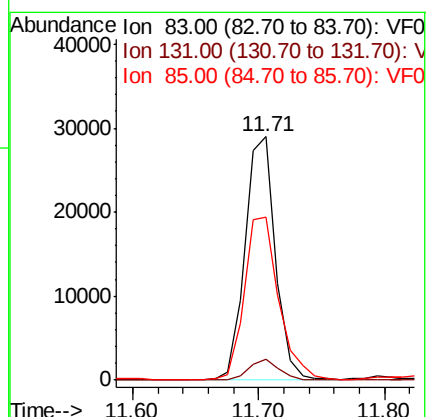
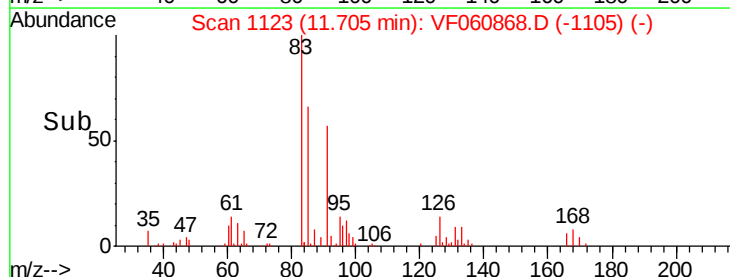
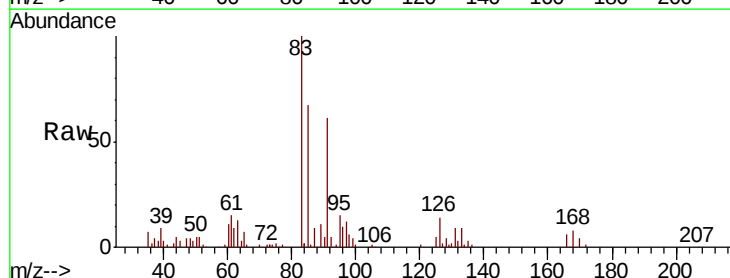
Tgt Ion: 83 Resp: 48494

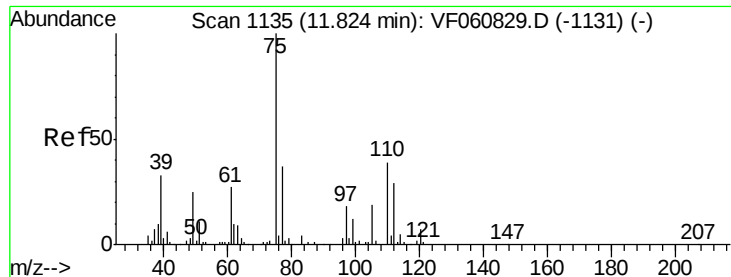
Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.7	14.1
85	66.7	32.6	97.8

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: 20.915 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

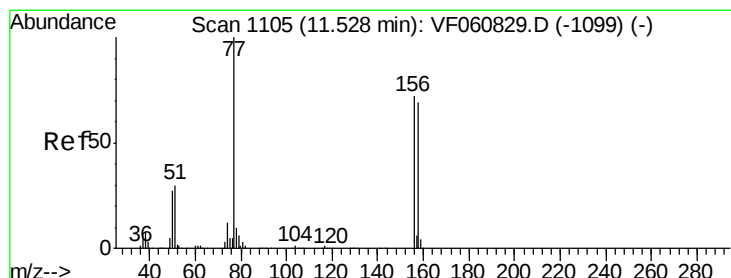
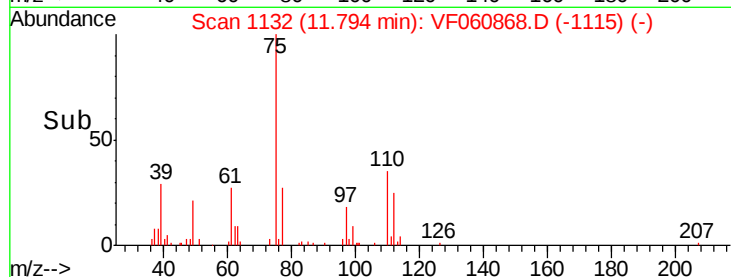
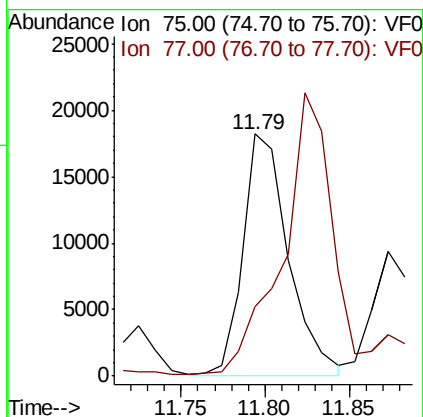
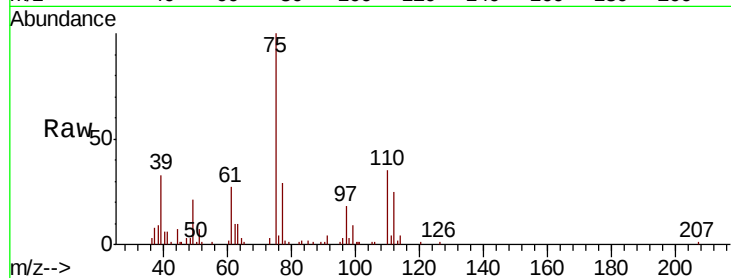
VF1129SBS01

Tot Ion: 75 Resp: 34131

Ion Ratio Lower Upper

75 100

77 29.0 18.4 55.4



#77

Bromobenzene

Concen: 20.937 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

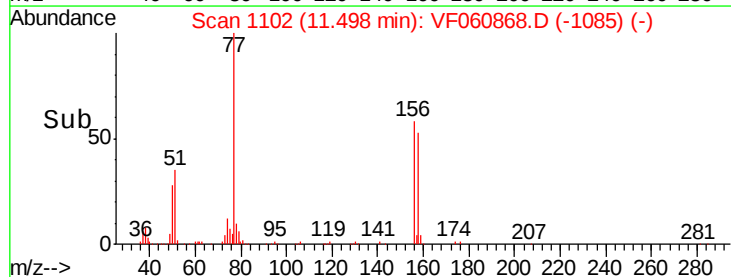
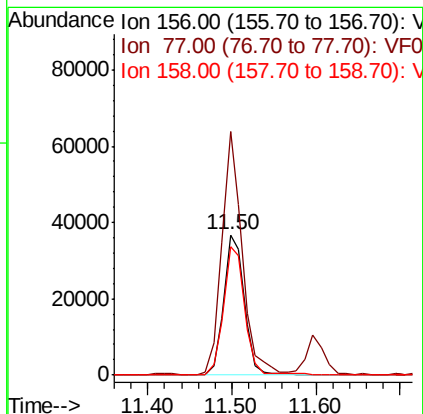
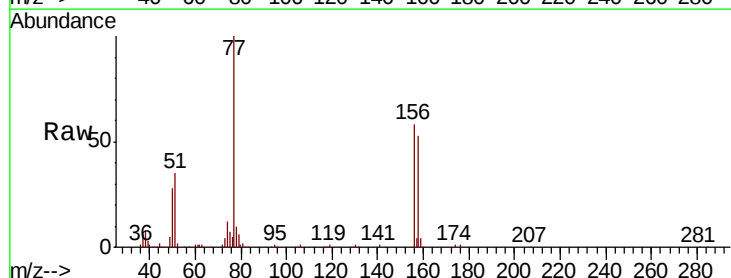
Tgt Ion: 156 Resp: 62619

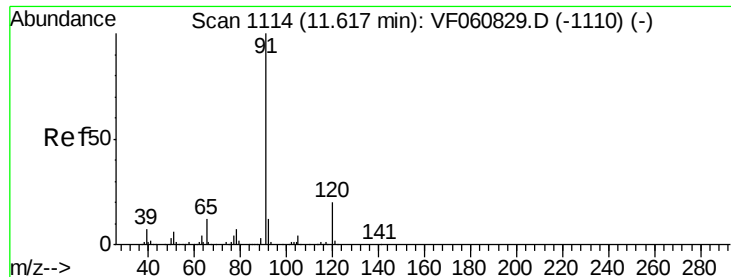
Ion Ratio Lower Upper

156 100

77 173.6 69.7 209.0

158 91.7 47.8 143.4





#78

n-propylbenzene

Concen: 21.447 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

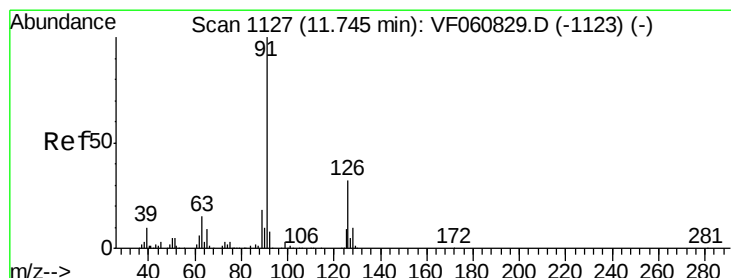
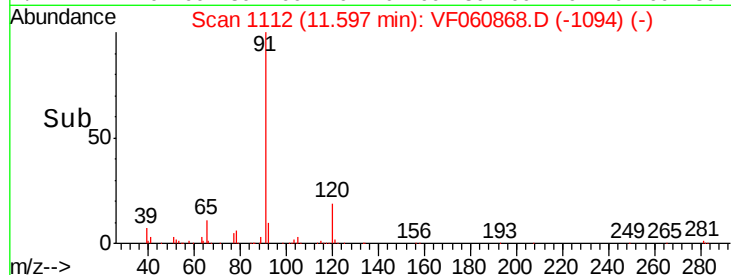
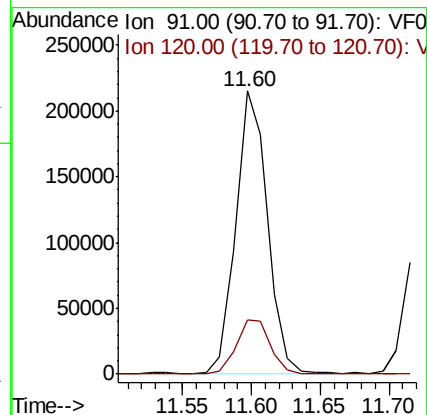
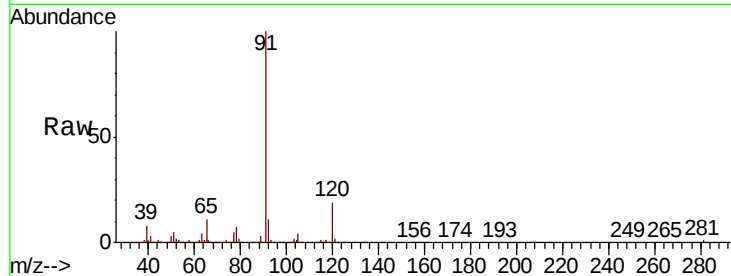
VF1129SBS01

Tot Ion: 91 Resp: 342627

Ion Ratio Lower Upper

91 100

120 19.4 10.3 30.8



#79

2-Chlorotoluene

Concen: 22.530 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.02 min

Lab File: VF060868.D

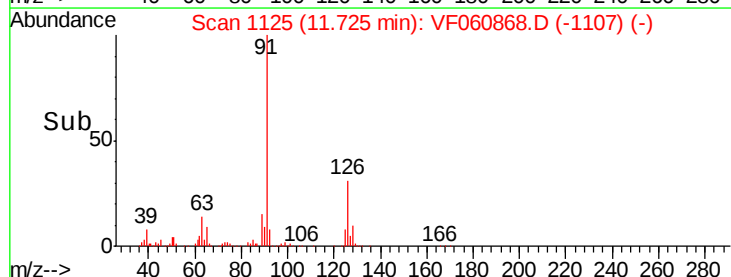
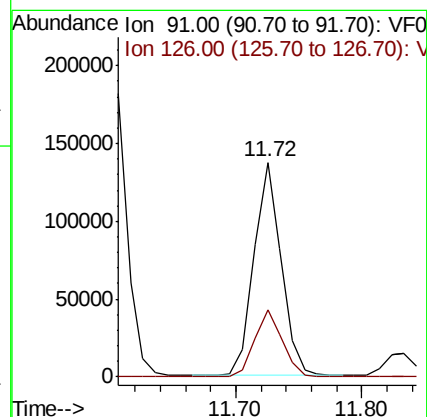
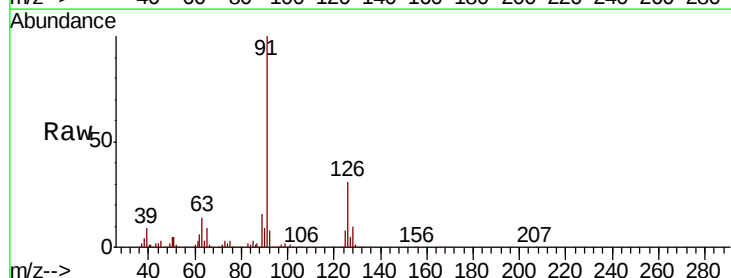
Acq: 29 Nov 2018 15:39

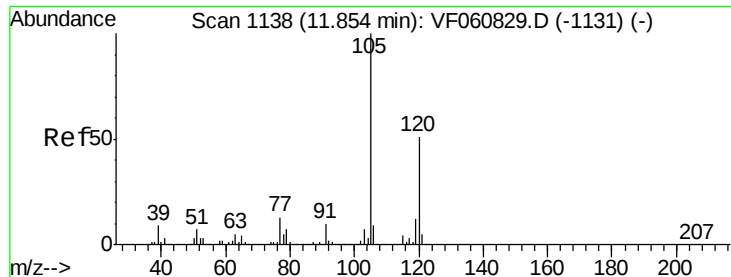
Tgt Ion: 91 Resp: 206378

Ion Ratio Lower Upper

91 100

126 31.1 15.9 47.6

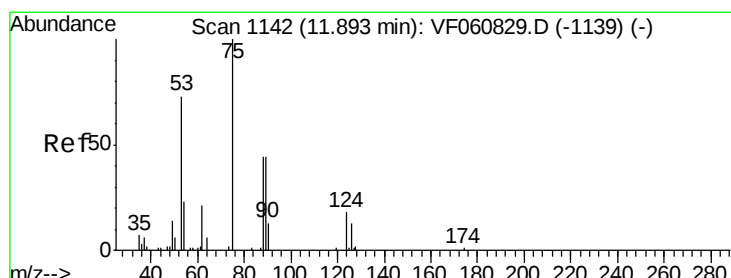
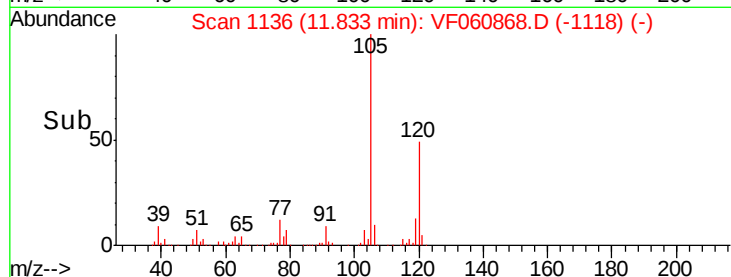
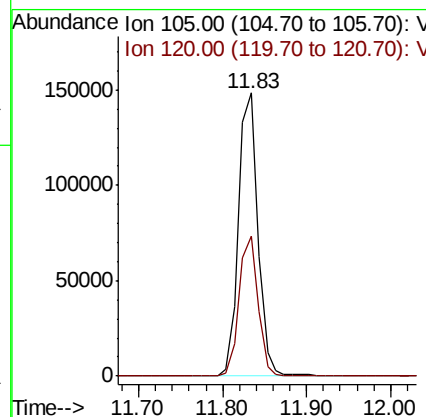
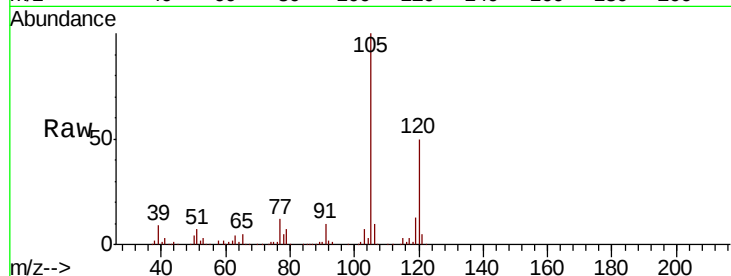




#80
 1,3,5-Trimethylbenzene
 Concen: 21.543 ug/l
 RT: 11.83 min Scan# 1136
 Delta R.T. -0.02 min
 Lab File: VF060868.D
 Acq: 29 Nov 2018 15:39

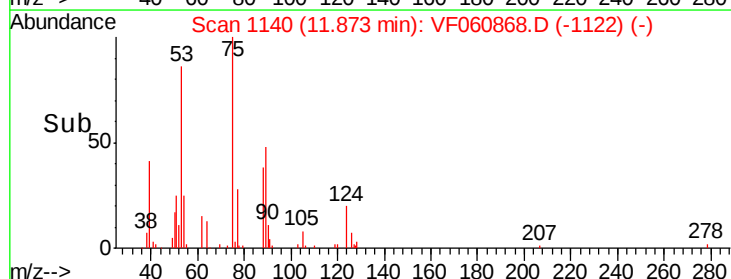
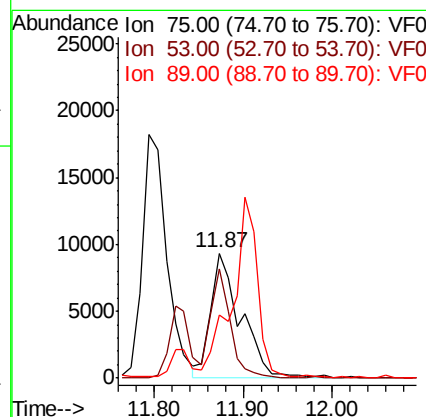
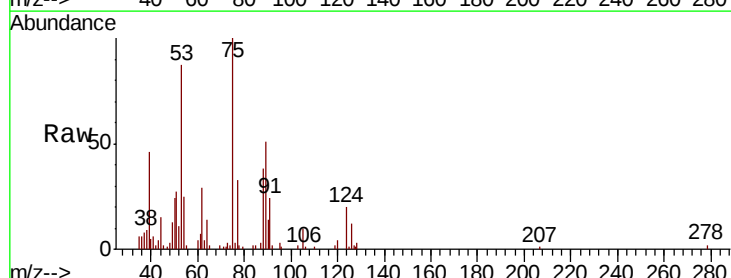
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1129SBS01

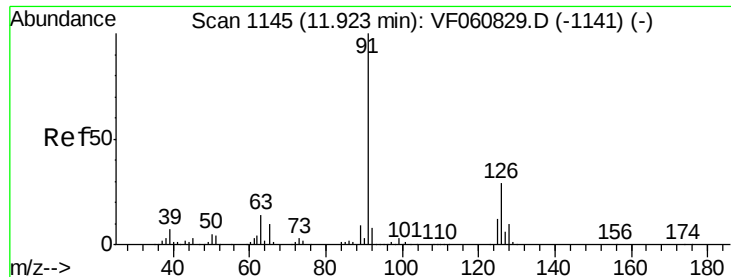
Tot Ion:105 Resp: 238575
 Ion Ratio Lower Upper
 105 100
 120 49.5 25.8 77.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 27.662 ug/l
 RT: 11.87 min Scan# 1140
 Delta R.T. -0.02 min
 Lab File: VF060868.D
 Acq: 29 Nov 2018 15:39

Tgt Ion: 75 Resp: 22118
 Ion Ratio Lower Upper
 75 100
 53 86.9 65.9 98.9
 89 50.9 38.8 58.2

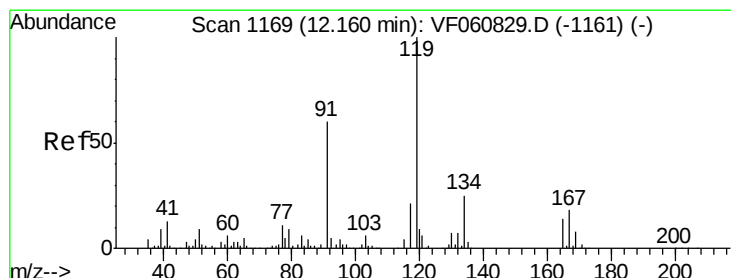
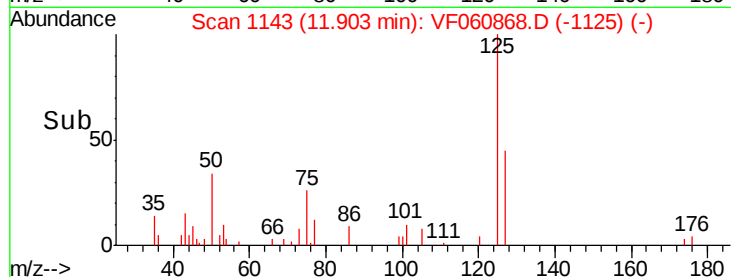
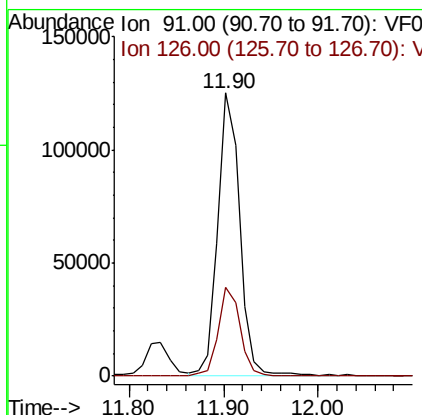
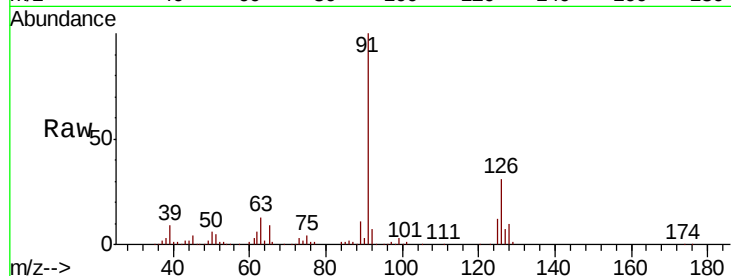




#82
4-Chlorotoluene
Concen: 20.599 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. -0.02 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

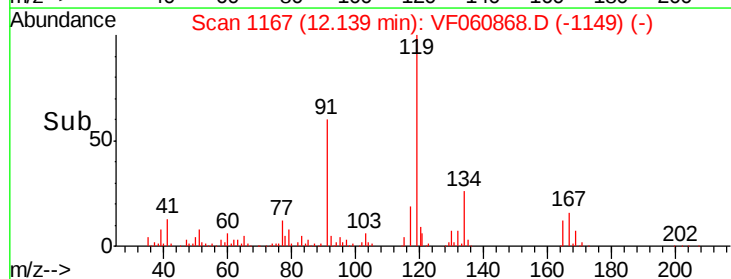
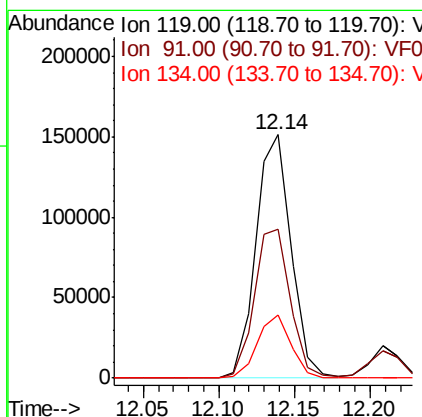
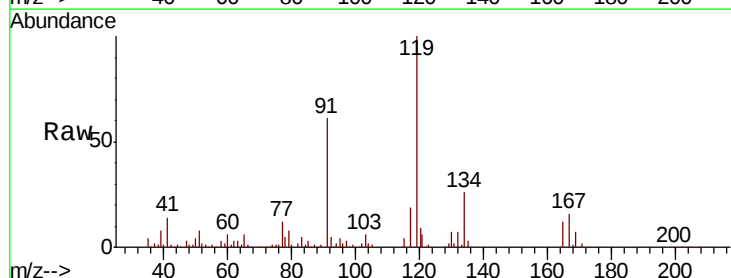
Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

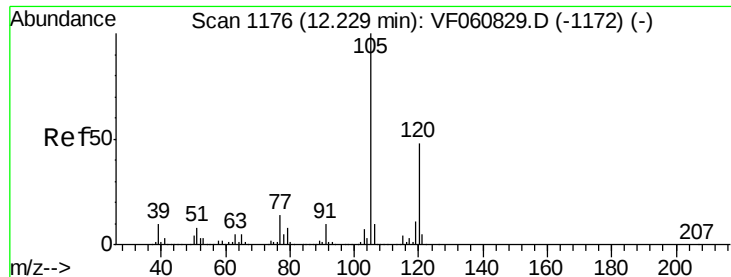
Tot Ion: 91 Resp: 198571
Ion Ratio Lower Upper
91 100
126 31.3 14.8 44.4



#83
tert-Butylbenzene
Concen: 21.833 ug/l
RT: 12.14 min Scan# 1167
Delta R.T. -0.02 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Tgt Ion: 119 Resp: 246293
Ion Ratio Lower Upper
119 100
91 61.0 30.1 90.3
134 25.7 12.6 37.8

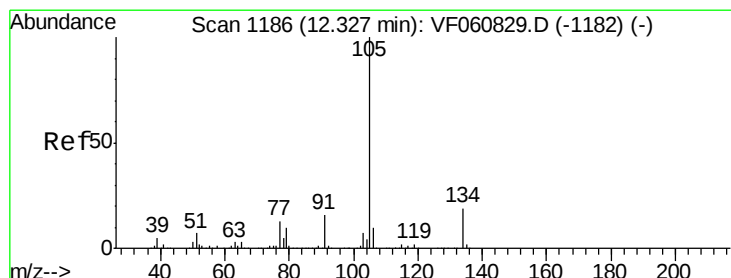
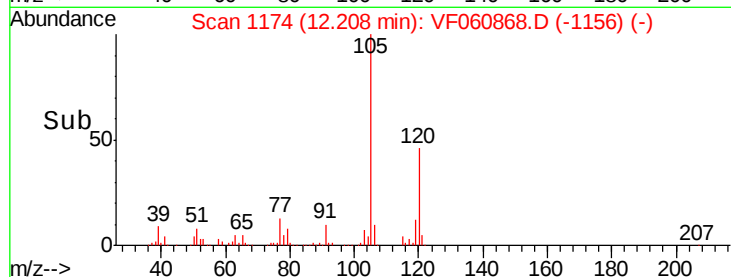
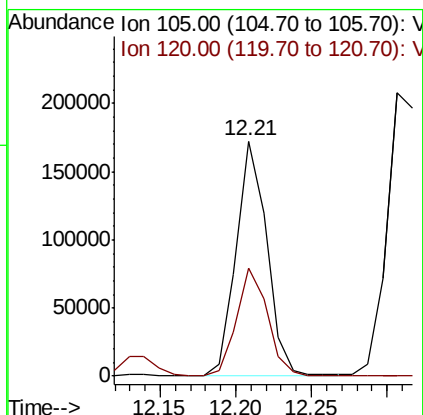
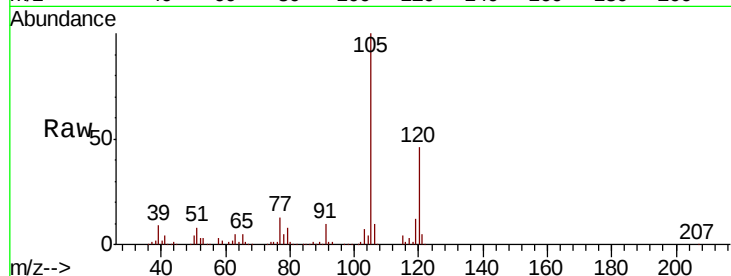




#84
 1,2,4-Trimethylbenzene
 Concen: 22.012 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.02 min
 Lab File: VF060868.D
 Acq: 29 Nov 2018 15:39

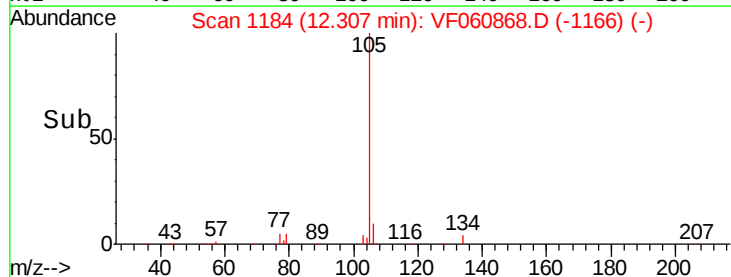
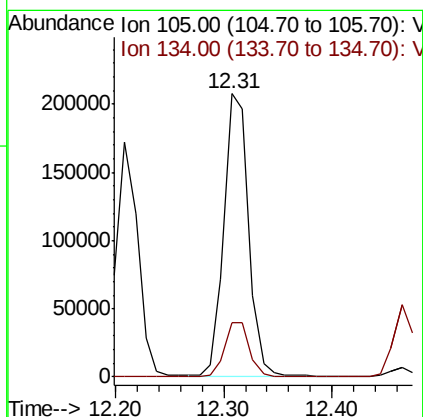
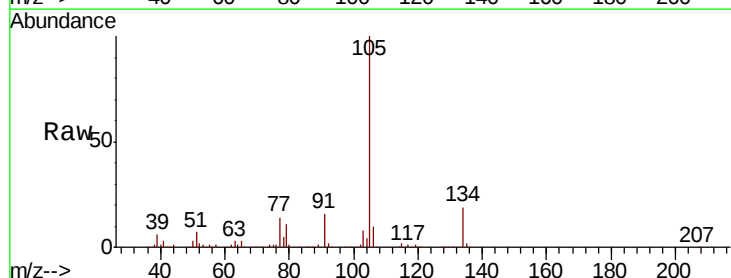
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1129SBS01

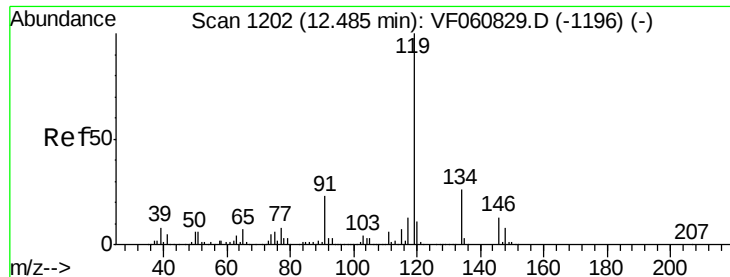
Tot Ion:105 Resp: 243292
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.8 71.5



#85
 sec-Butylbenzene
 Concen: 21.426 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: VF060868.D
 Acq: 29 Nov 2018 15:39

Tgt Ion:105 Resp: 330883
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.5 28.5

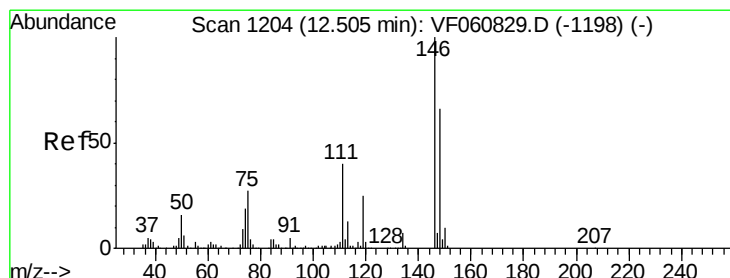
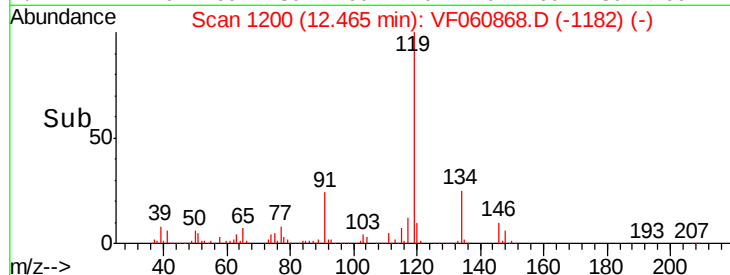
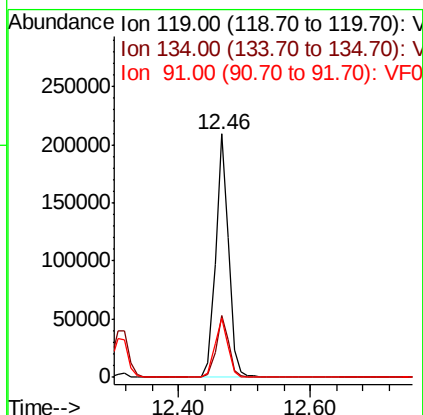
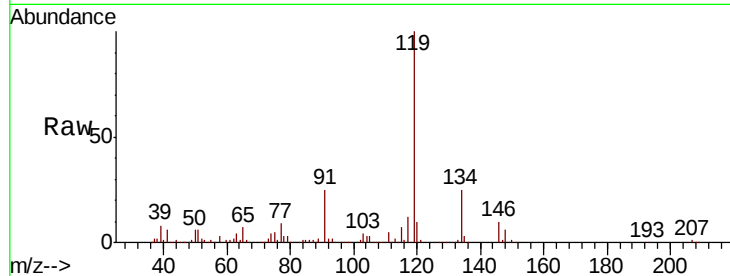




#86
p-Isopropyltoluene
Concen: 21.652 ug/l
RT: 12.46 min Scan# 1200
Delta R.T. -0.02 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

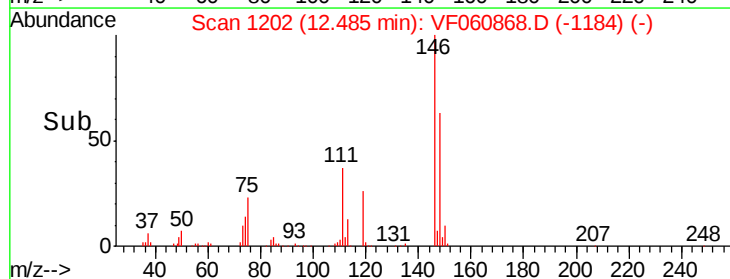
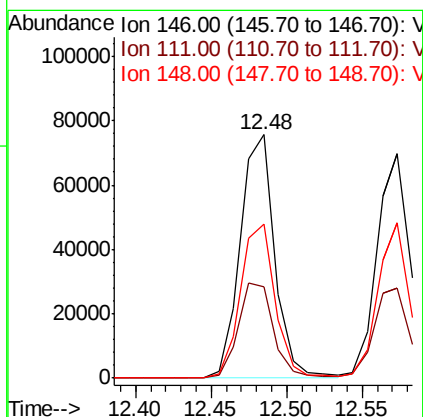
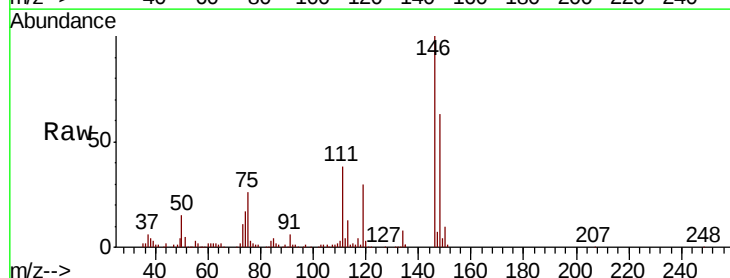
Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

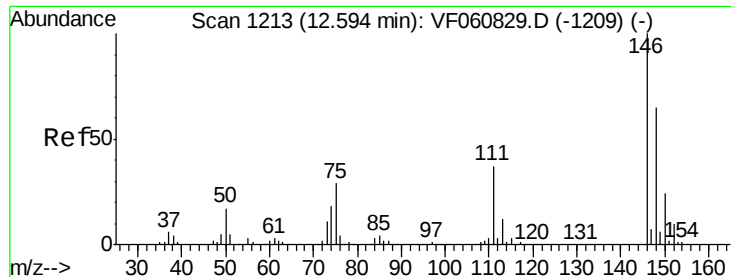
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.6
91	24.5	11.8	35.3



#87
1,3-Dichlorobenzene
Concen: 21.154 ug/l
RT: 12.48 min Scan# 1202
Delta R.T. -0.02 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	20.0	59.9
148	63.5	32.9	98.6





#88

1,4-Dichlorobenzene

Concen: 19.774 ug/l

RT: 12.57 min Scan# 1211

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

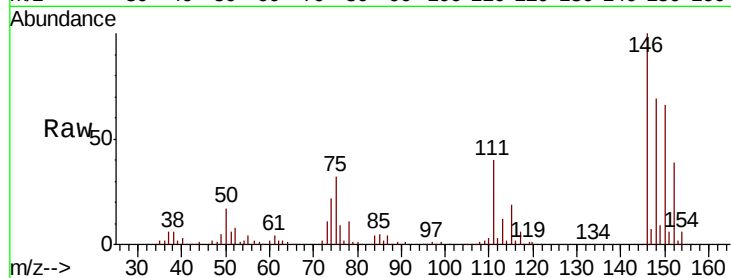
Tot Ion:146 Resp: 109627

Ion Ratio Lower Upper

146 100

111 40.1 18.9 56.7

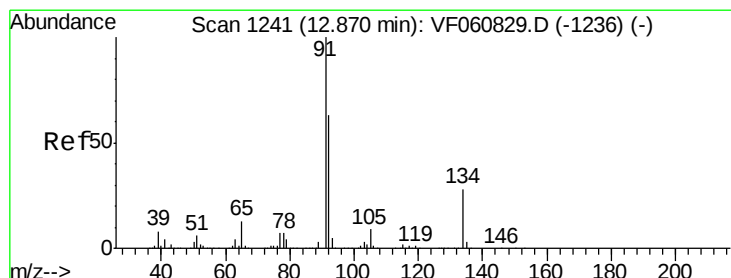
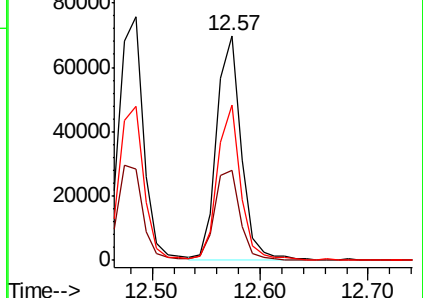
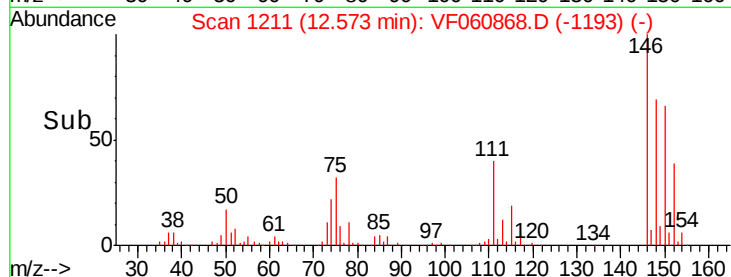
148 69.1 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#89

n-Butylbenzene

Concen: 22.038 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

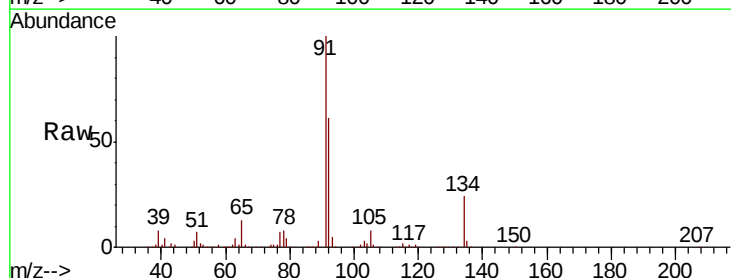
Tgt Ion: 91 Resp: 288521

Ion Ratio Lower Upper

91 100

92 61.4 31.6 94.7

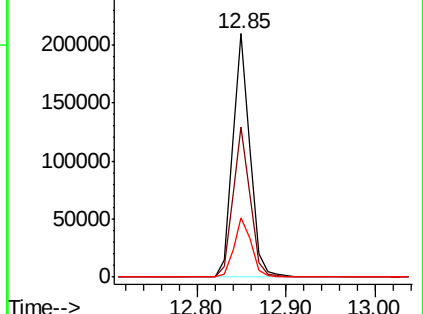
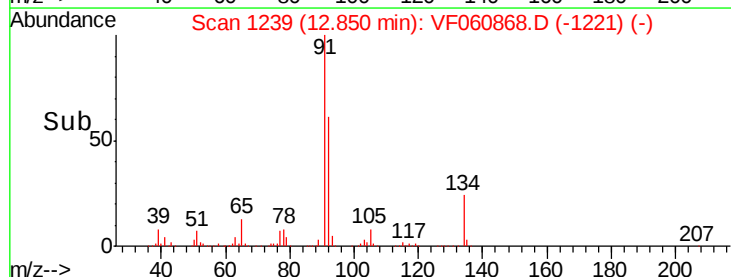
134 24.2 13.8 41.4

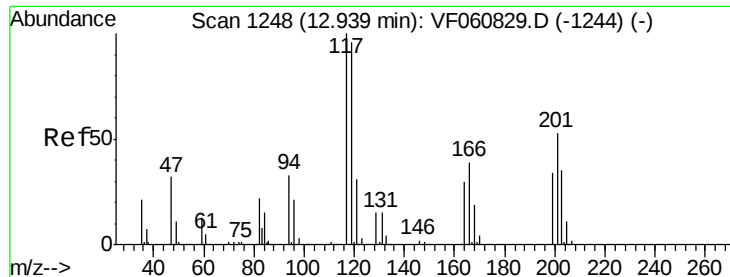


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 20.339 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

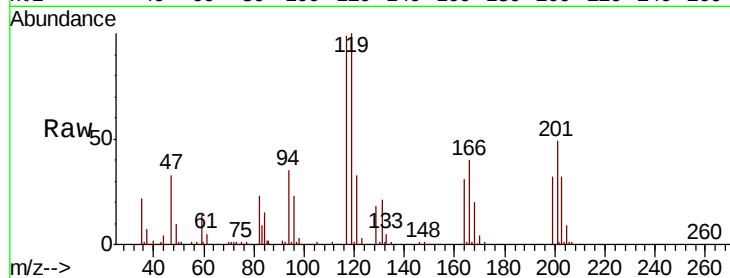
VF1129SBS01

Tot Ion:117 Resp: 63412

Ion Ratio Lower Upper

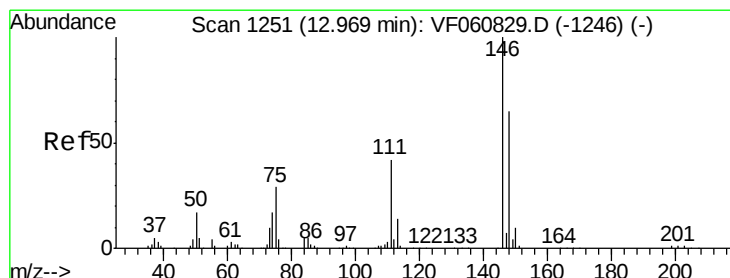
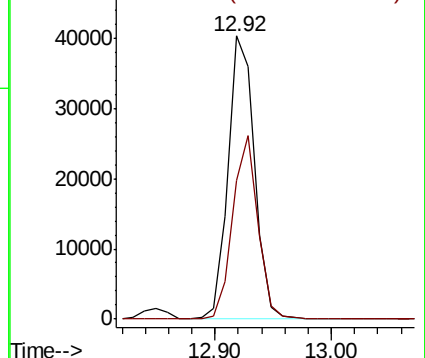
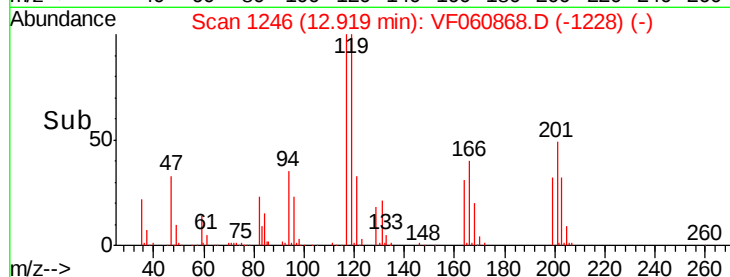
117 100

201 50.0 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: 20.692 ug/l

RT: 12.95 min Scan# 1249

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

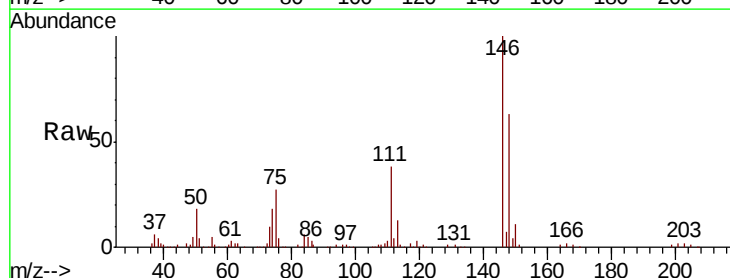
Tgt Ion:146 Resp: 111477

Ion Ratio Lower Upper

146 100

111 37.6 21.2 63.6

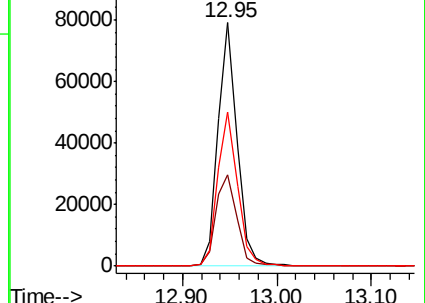
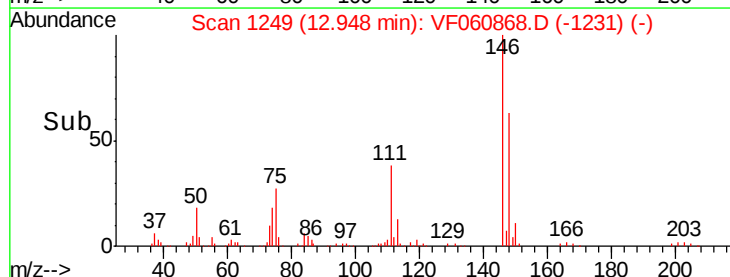
148 63.5 32.5 97.5

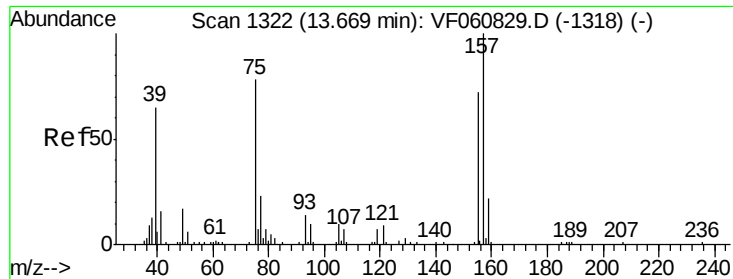


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 19.068 ug/l

RT: 13.65 min Scan# 1320

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

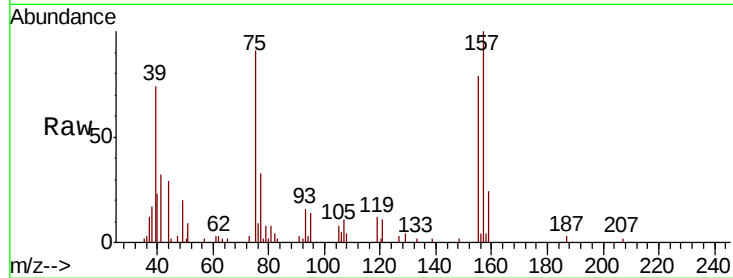
Tot Ion: 75 Resp: 8277

Ion Ratio Lower Upper

75 100

155 87.2 45.6 136.9

157 109.9 63.8 191.5

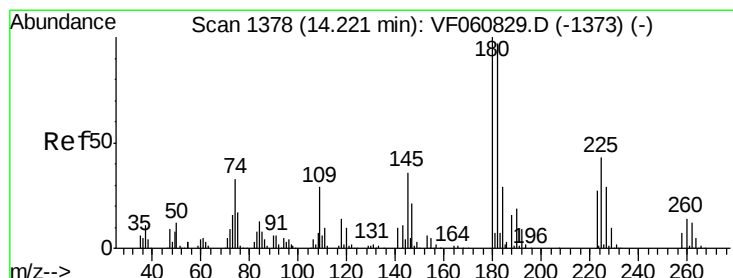
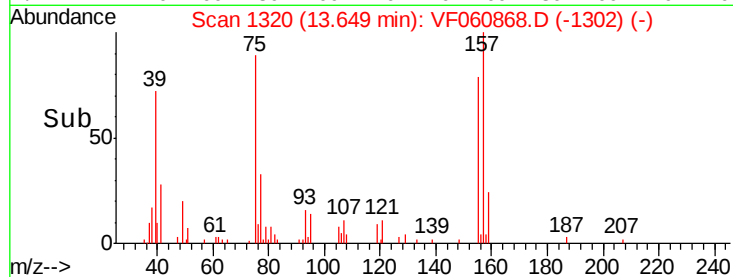


Abundance Ion 75.00 (74.70 to 75.70): VF060829.D (-1318) (-)

Ion 155.00 (154.70 to 155.70): VF060829.D (-1318) (-)

Ion 157.00 (156.70 to 157.70): VF060829.D (-1318) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 21.437 ug/l

RT: 14.20 min Scan# 1376

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

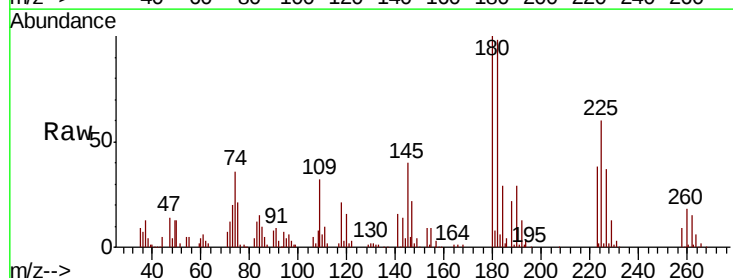
Tgt Ion: 180 Resp: 80696

Ion Ratio Lower Upper

180 100

182 97.5 48.5 145.5

145 40.3 18.1 54.3

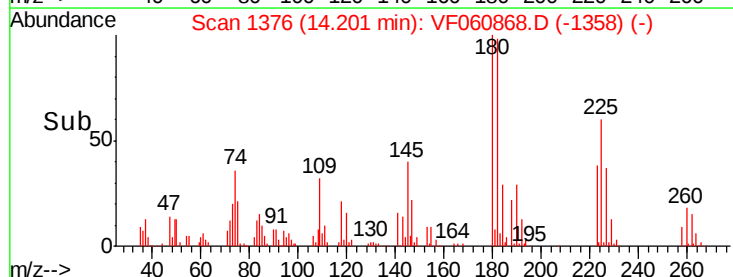


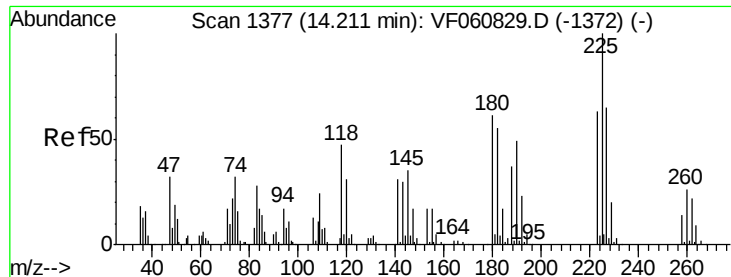
Abundance Ion 180.00 (179.70 to 180.70): VF060829.D (-1373) (-)

Ion 182.00 (181.70 to 182.70): VF060829.D (-1373) (-)

Ion 145.00 (144.70 to 145.70): VF060829.D (-1373) (-)

Time-->





#94

Hexachlorobutadiene

Concen: 20.446 ug/l

RT: 14.19 min Scan# 1375

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

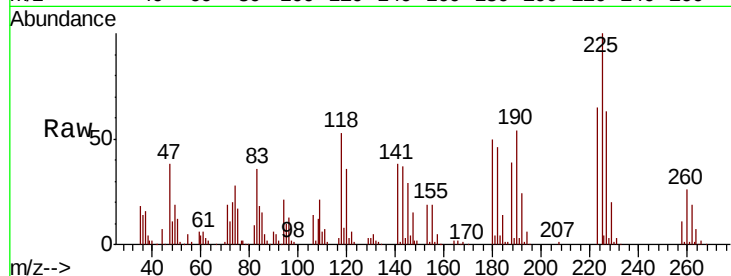
Tot Ion:225 Resp: 51306

Ion Ratio Lower Upper

225 100

223 64.8 31.4 94.3

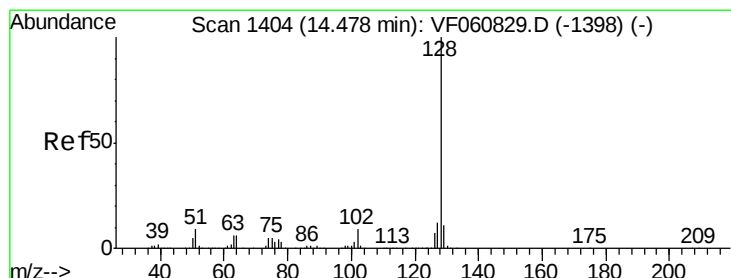
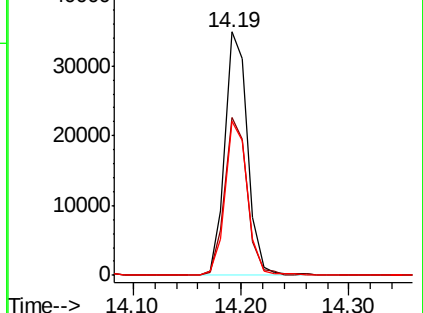
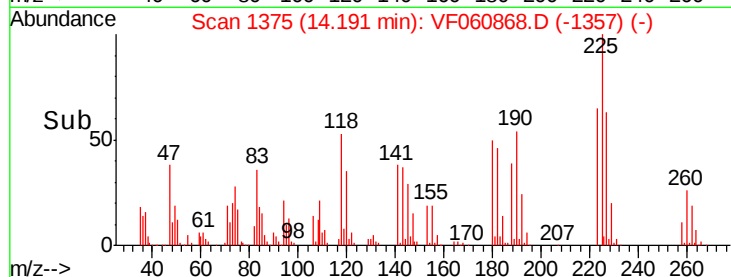
227 63.3 32.5 97.5



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: 17.285 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

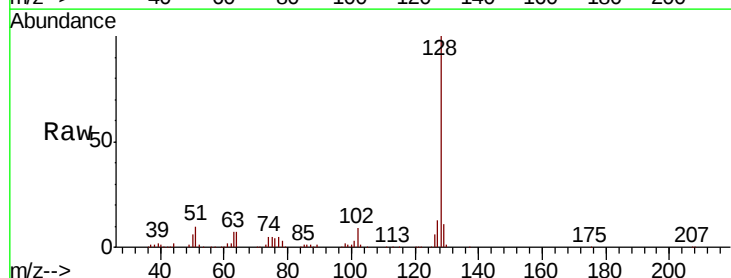
Tgt Ion:128 Resp: 143012

Ion Ratio Lower Upper

128 100

127 12.6 9.9 14.9

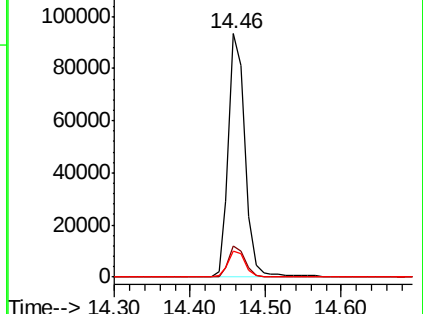
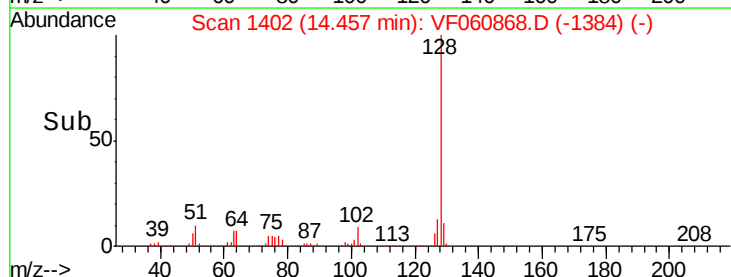
129 10.7 9.1 13.7

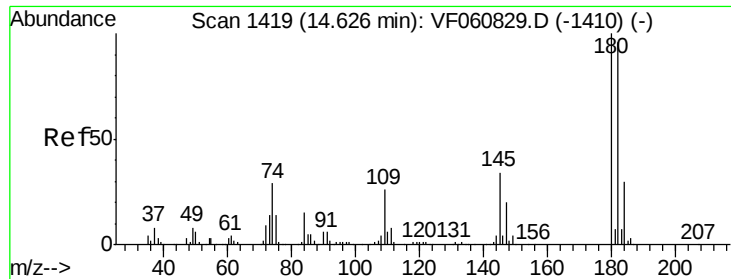


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

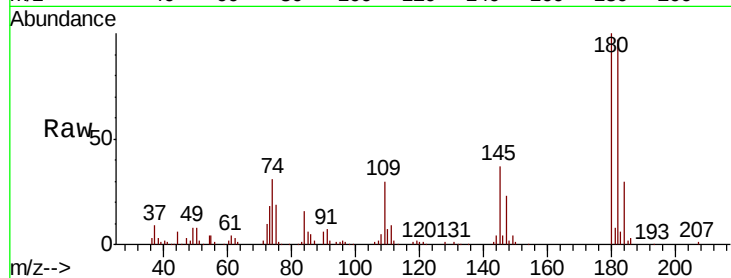




#96
 1,2,3-Trichlorobenzene
 Concen: 20.516 ug/l
 RT: 14.61 min Scan# 1417
 Delta R.T. -0.02 min
 Lab File: VF060868.D
 Acq: 29 Nov 2018 15:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1129SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.9	143.8
145	37.4	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

