

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120318\
 Data File : VF060892.D
 Acq On : 3 Dec 2018 15:33
 Operator : VA/AP
 Sample : VF1203SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

Quant Time: Dec 04 03:09:59 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	4.89	168	183320	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	312572	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.80	117	298164	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	154961	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.87	65	119336	55.26	ug/l	-0.01
Spiked Amount			Recovery	=	110.52%	
35) Dibromofluoromethane	4.14	113	128153	51.68	ug/l	-0.01
Spiked Amount			Recovery	=	103.36%	
50) Toluene-d8	7.57	98	350621	48.00	ug/l	-0.02
Spiked Amount			Recovery	=	96.00%	
62) 4-Bromofluorobenzene	11.43	95	170827	51.46	ug/l	-0.01
Spiked Amount			Recovery	=	102.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	64309	23.462	ug/l	100
3) Chloromethane	1.11	50	39058	21.898	ug/l	94
4) Vinyl Chloride	1.15	62	37737	22.682	ug/l	93
5) Bromomethane	1.35	94	28759	24.514	ug/l	95
6) Chloroethane	1.41	64	17561	24.418	ug/l	89
7) Trichlorofluoromethane	1.49	101	55347	15.505	ug/l	90
8) Diethyl Ether	1.64	74	9979	19.440	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.85	101	42194	23.381	ug/l	95
10) Methyl Iodide	1.92	142	52292	19.063	ug/l	96
11) Tert butyl alcohol	2.59	59	11125	125.669	ug/l	96
12) 1,1-Dichloroethene	1.81	96	30943	21.317	ug/l	93
13) Acrolein	2.02	56	8113	96.727	ug/l	83
14) Allyl chloride	2.11	41	32175	17.784	ug/l	95
15) Acrylonitrile	2.95	53	23447	118.140	ug/l	87
16) Acetone	2.25	43	48140	120.883	ug/l	95
17) Carbon Disulfide	1.86	76	64305	16.522	ug/l	98
18) Methyl Acetate	2.35	43	17828	25.888	ug/l	93
19) Methyl tert-butyl Ether	2.45	73	71260	21.797	ug/l	98
20) Methylene Chloride	2.27	84	20878	14.291	ug/l	94
21) trans-1,2-Dichloroethene	2.32	96	22104	15.795	ug/l	97
22) Diisopropyl ether	2.82	45	106875	21.702	ug/l	96
23) Vinyl Acetate	3.20	43	261089	115.982	ug/l	99
24) 1,1-Dichloroethane	2.89	63	66105	22.561	ug/l	98
25) 2-Butanone	4.36	43	81328	118.070	ug/l	99
26) 2,2-Dichloropropane	3.62	77	41400	21.795	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	51820	22.746	ug/l	97
28) Bromochloromethane	3.73	49	31831	22.637	ug/l	97
29) Tetrahydrofuran	4.10	42	32279	110.553	ug/l	95
30) Chloroform	3.88	83	101331	22.471	ug/l	97
31) Cyclohexane	3.70	56	43702	14.372	ug/l	90
32) 1,1,1-Trichloroethane	4.12	97	60179	19.243	ug/l	97
36) 1,1-Dichloropropene	4.30	75	77606	22.385	ug/l	99
37) Ethyl Acetate	4.14	43	34150	24.239	ug/l #	75
38) Carbon Tetrachloride	4.01	117	61559	20.103	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	69696	19.183	ug/l	98
40) Benzene	4.65	78	167809	21.910	ug/l	95
41) Methacrylonitrile	4.77	41	18621	23.469	ug/l	94
42) 1,2-Dichloroethane	4.97	62	62707	22.426	ug/l	95
43) Isopropyl Acetate	6.98	43	37246	19.783	ug/l #	95
44) Trichloroethene	5.53	130	53712	21.448	ug/l	94
45) 1,2-Dichloropropane	6.26	63	42553	21.392	ug/l	98
46) Dibromomethane	6.11	93	30196	22.377	ug/l	100
47) Bromodichloromethane	6.41	83	78076	21.785	ug/l	97
48) Methyl methacrylate	6.74	41	25999	20.387	ug/l	96
49) 1,4-Dioxane	6.73	88	4912	526.284	ug/l #	86
51) 4-Methyl-2-Pentanone	8.28	43	139613	107.460	ug/l	96
52) Toluene	7.65	92	102275	19.010	ug/l	98
53) t-1,3-Dichloropropene	8.30	75	64659	22.179	ug/l	93
54) cis-1,3-Dichloropropene	7.32	75	79936	22.149	ug/l	99
55) 1,1,2-Trichloroethane	8.51	97	33314	21.251	ug/l	96
56) Ethyl methacrylate	8.64	69	36465	20.939	ug/l	97
57) 1,3-Dichloropropane	8.87	76	58613	21.371	ug/l #	88
58) 2-Chloroethyl Vinyl ether	7.31	63	18879	105.987	ug/l #	85
59) 2-Hexanone	9.51	43	110507	121.240	ug/l	94
60) Dibromochloromethane	8.73	129	45929	19.664	ug/l	88
61) 1,2-Dibromoethane	9.01	107	35228	20.802	ug/l	91
64) Tetrachloroethene	8.17	164	45600	20.023	ug/l	94
65) Chlorobenzene	9.82	112	124850	21.524	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.96	131	52984	21.248	ug/l	96
67) Ethyl Benzene	9.92	91	232457	21.526	ug/l	99
68) m/p-Xylenes	10.16	106	157256	40.490	ug/l	92
69) o-Xylene	10.73	106	86666	20.236	ug/l	86
70) Styrene	10.81	104	116731	19.662	ug/l	95
71) Bromoform	10.79	173	25705	21.341	ug/l #	97
73) Isopropylbenzene	11.14	105	265156	21.653	ug/l	98
74) N-amyl acetate	11.39	43	61471	21.738	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.71	83	46560	23.102	ug/l	91
76) 1,2,3-Trichloropropane	11.81	75	33177	22.648	ug/l	99
77) Bromobenzene	11.52	156	55222	20.569	ug/l	93
78) n-propylbenzene	11.61	91	316594	22.076	ug/l	99
79) 2-Chlorotoluene	11.73	91	186611	22.694	ug/l	98
80) 1,3,5-Trimethylbenzene	11.84	105	219727	22.102	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.88	75	19843	27.646	ug/l	97
82) 4-Chlorotoluene	11.91	91	185762	21.467	ug/l	96
83) tert-Butylbenzene	12.15	119	228429	22.557	ug/l	98
84) 1,2,4-Trimethylbenzene	12.22	105	222452	22.421	ug/l	95
85) sec-Butylbenzene	12.32	105	299496	21.604	ug/l	97
86) p-Isopropyltoluene	12.47	119	267050	22.977	ug/l	98
87) 1,3-Dichlorobenzene	12.49	146	113942	22.312	ug/l	98
88) 1,4-Dichlorobenzene	12.58	146	106711	21.442	ug/l	99
89) n-Butylbenzene	12.86	91	257369	21.900	ug/l	97
90) Hexachloroethane	12.94	117	62275	22.251	ug/l	81
91) 1,2-Dichlorobenzene	12.96	146	105954	21.909	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.66	75	7700	19.761	ug/l	94

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Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration

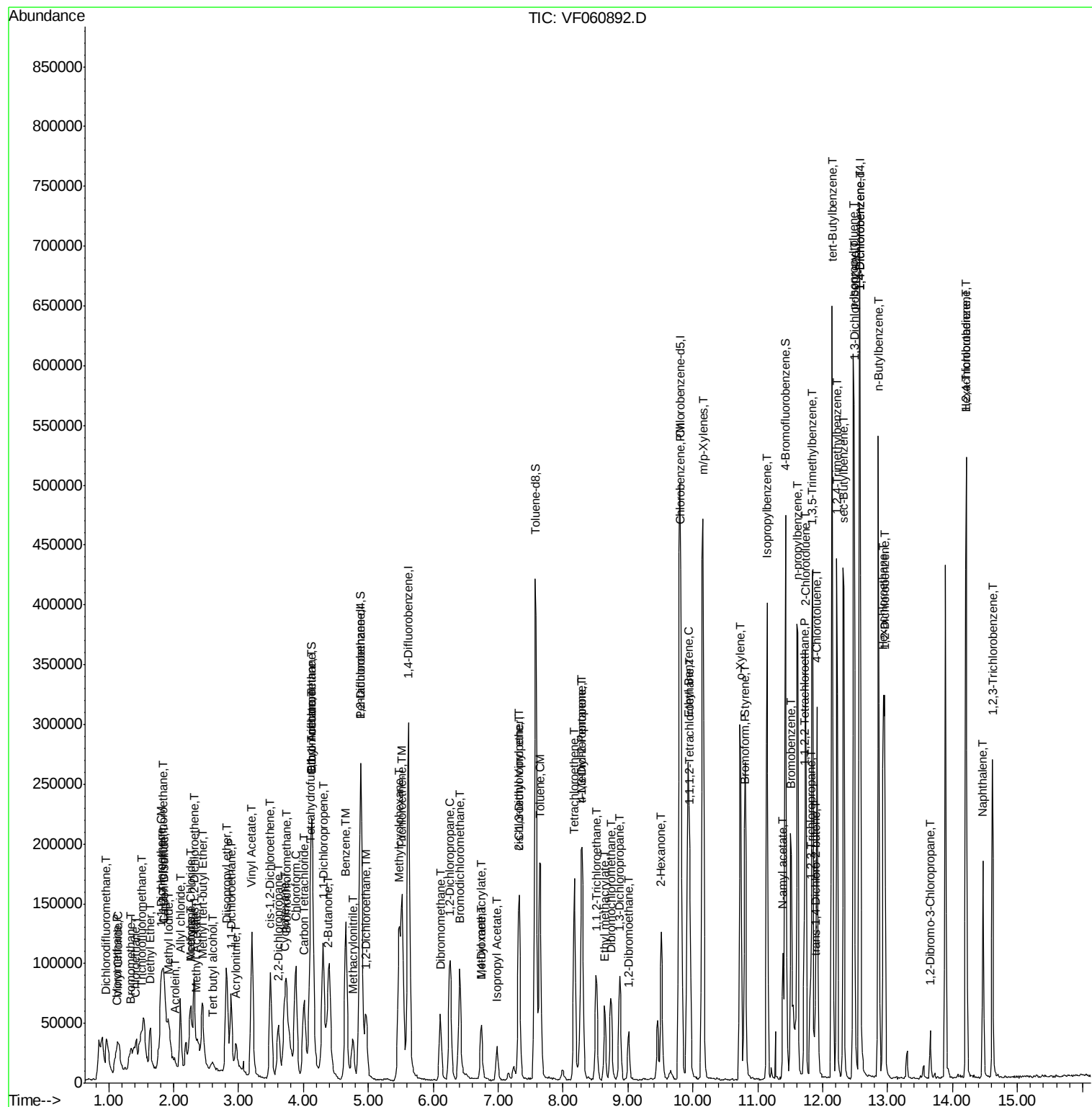
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	74621	22.083	ug/l	92
94) Hexachlorobutadiene	14.21	225	46470	20.630	ug/l	96
95) Naphthalene	14.47	128	129157	17.412	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	69576	22.175	ug/l	95

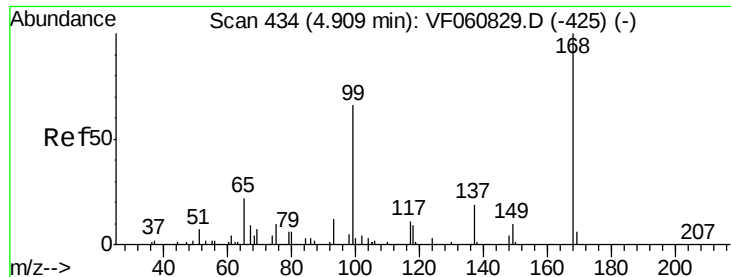
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.02 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

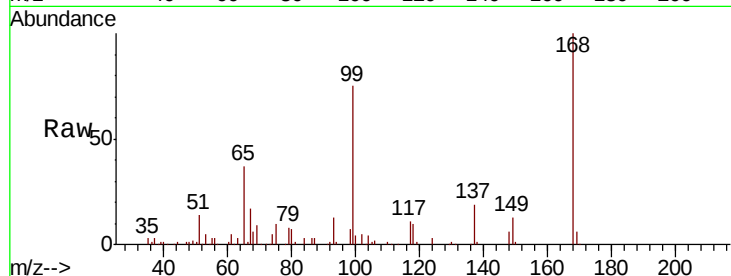
VF1203SBS01

Tot Ion:168 Resp: 183320

Ion Ratio Lower Upper

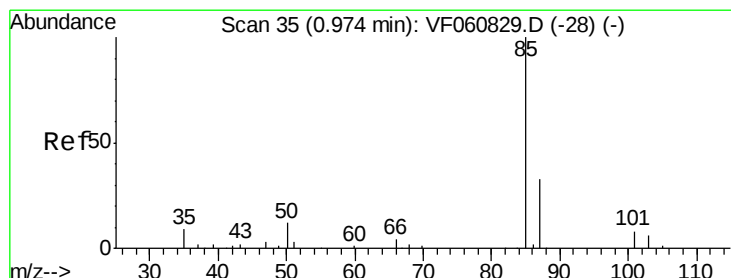
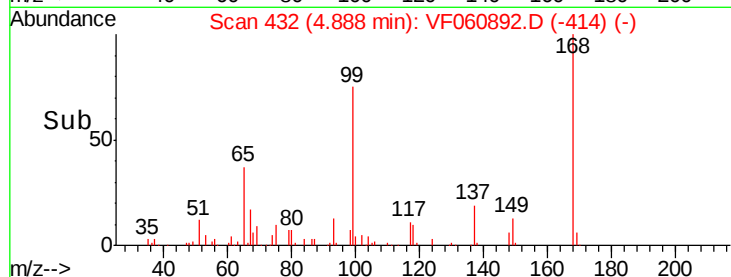
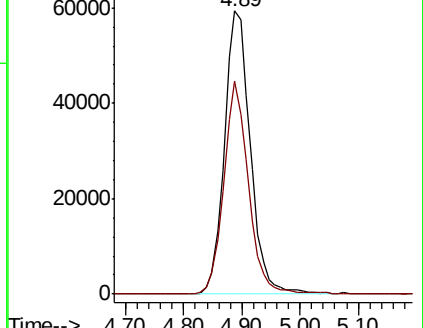
168 100

99 75.1 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 23.462 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060892.D

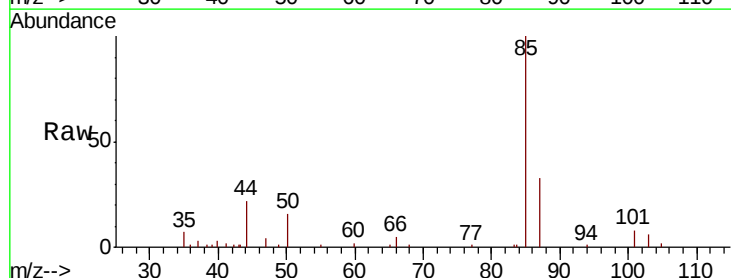
Acq: 3 Dec 2018 15:33

Tgt Ion: 85 Resp: 64309

Ion Ratio Lower Upper

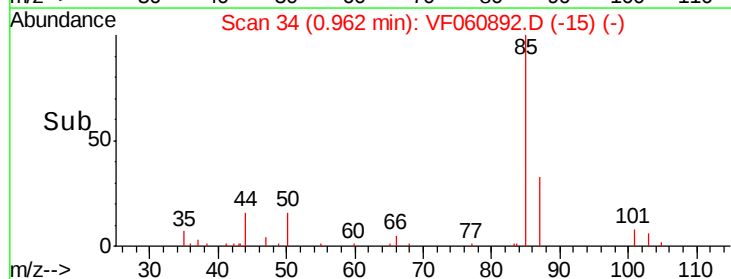
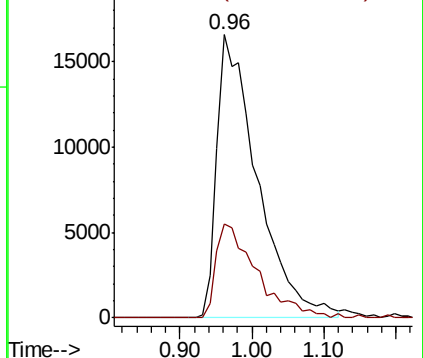
85 100

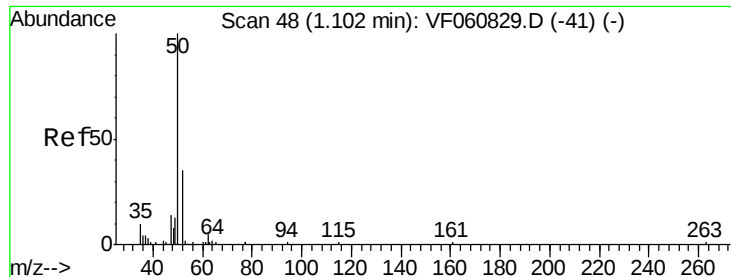
87 33.0 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 21.898 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

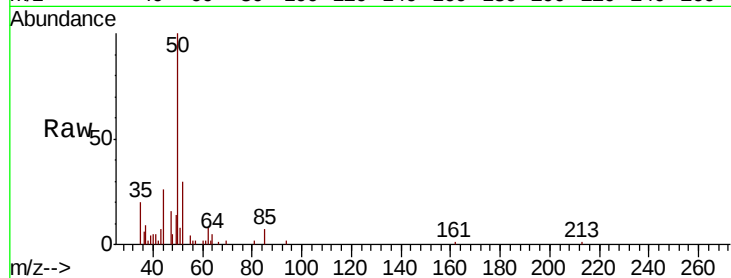
VF1203SBS01

Tot Ion: 50 Resp: 39058

Ion Ratio Lower Upper

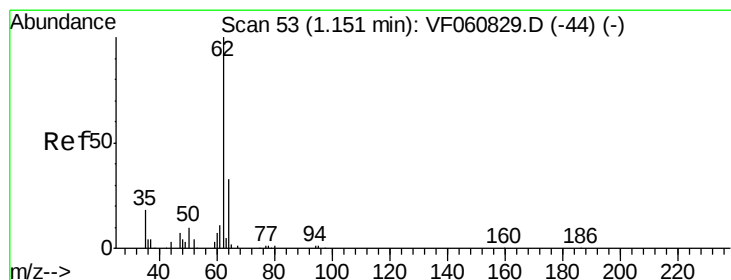
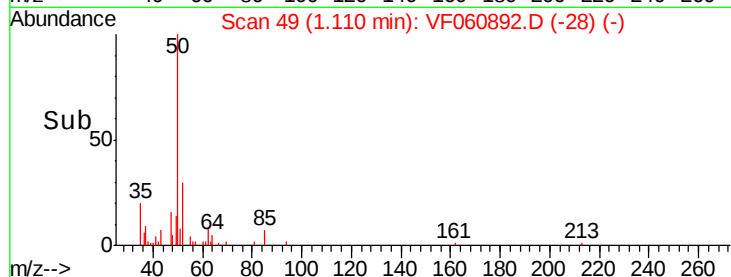
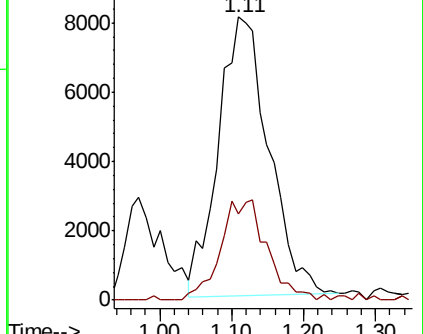
50 100

52 30.4 27.0 40.4



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 22.682 ug/l

RT: 1.15 min Scan# 53

Delta R.T. -0.00 min

Lab File: VF060892.D

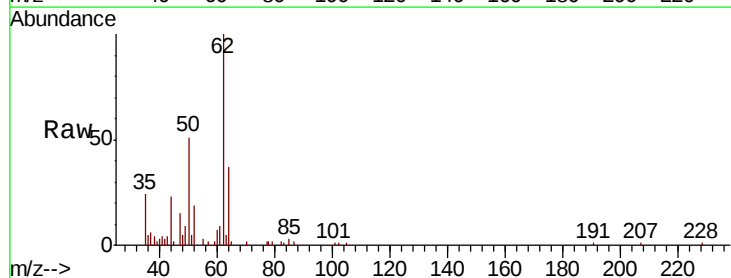
Acq: 3 Dec 2018 15:33

Tgt Ion: 62 Resp: 37737

Ion Ratio Lower Upper

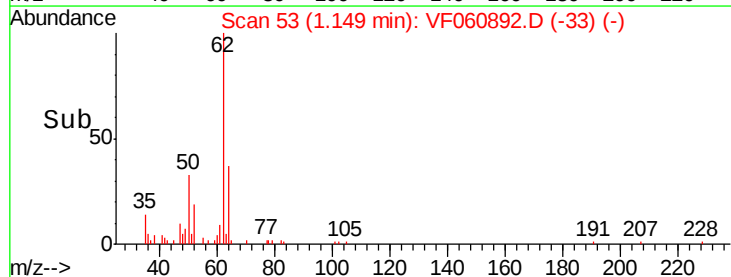
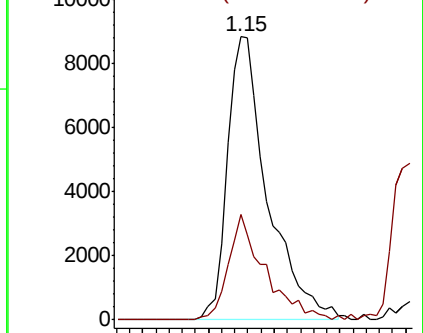
62 100

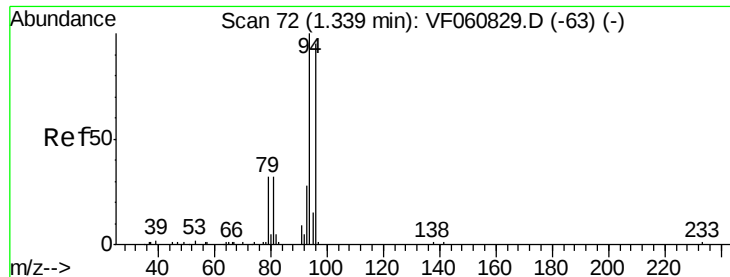
64 37.1 26.4 39.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 24.514 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

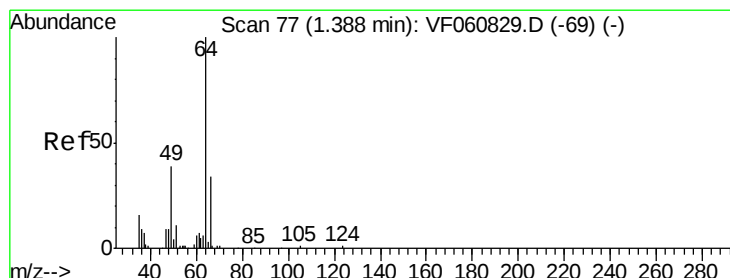
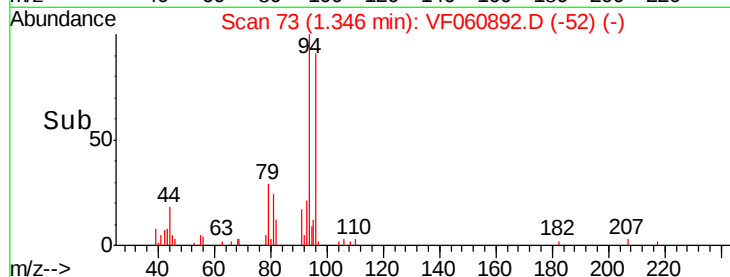
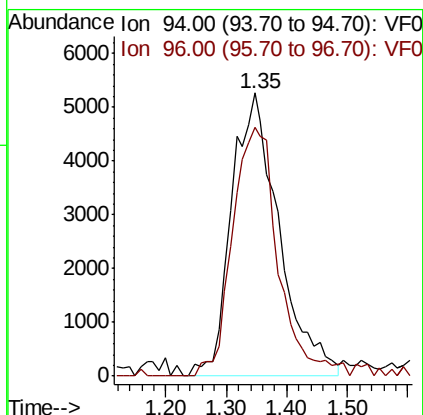
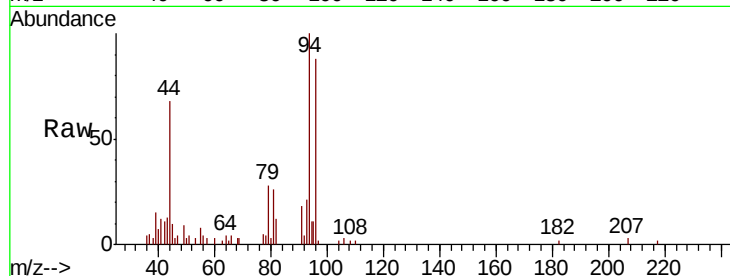
VF1203SBS01

Tot Ion: 94 Resp: 28759

Ion Ratio Lower Upper

94 100

96 90.2 75.9 113.9



#6

Chloroethane

Concen: 24.418 ug/l

RT: 1.41 min Scan# 79

Delta R.T. 0.02 min

Lab File: VF060892.D

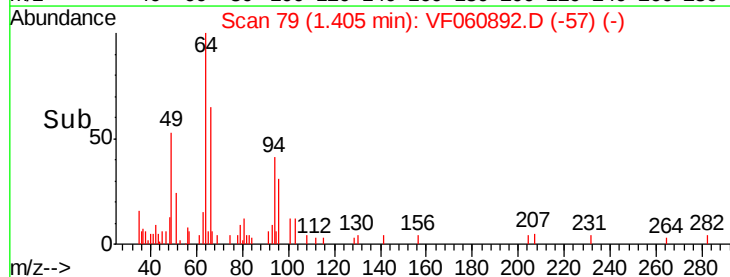
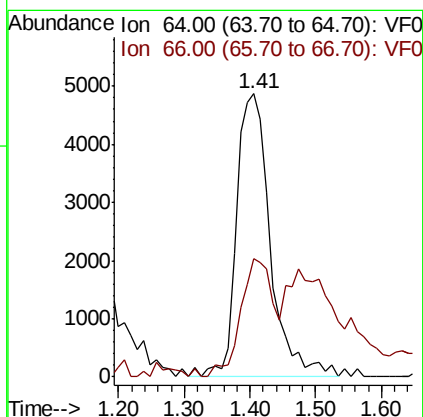
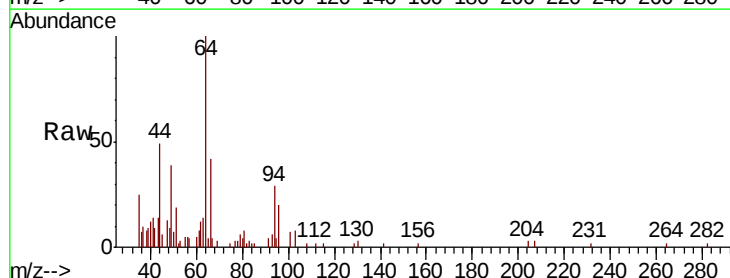
Acq: 3 Dec 2018 15:33

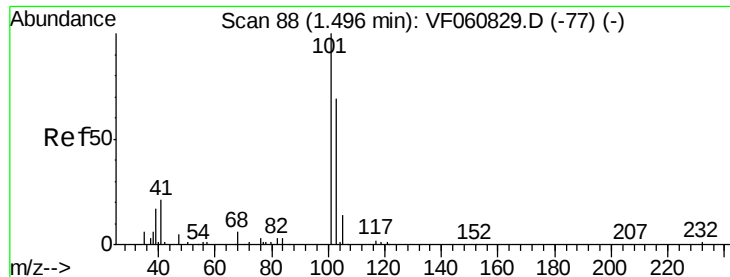
Tgt Ion: 64 Resp: 17561

Ion Ratio Lower Upper

64 100

66 41.6 28.1 42.1





#7

Trichlorofluoromethane

Concen: 15.505 ug/l

RT: 1.49 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

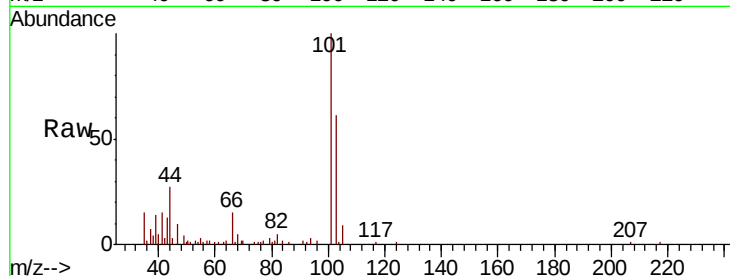
VF1203SBS01

Tot Ion:101 Resp: 55347

Ion Ratio Lower Upper

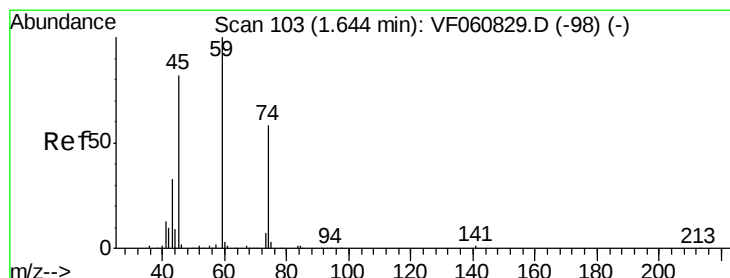
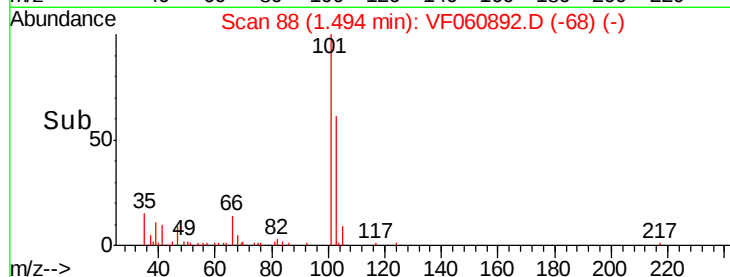
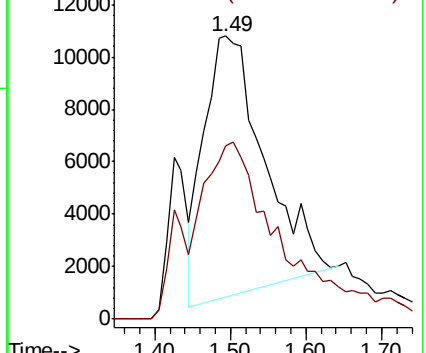
101 100

103 61.5 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: 19.440 ug/l

RT: 1.64 min Scan# 103

Delta R.T. -0.00 min

Lab File: VF060892.D

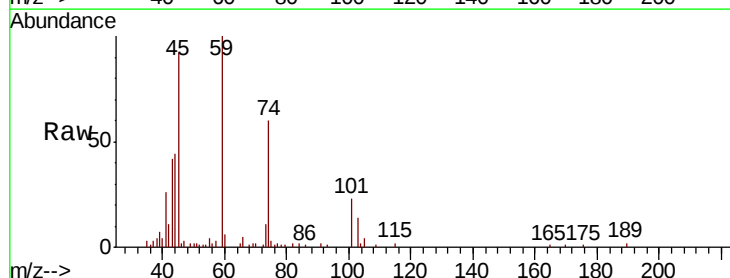
Acq: 3 Dec 2018 15:33

Tgt Ion: 74 Resp: 9979

Ion Ratio Lower Upper

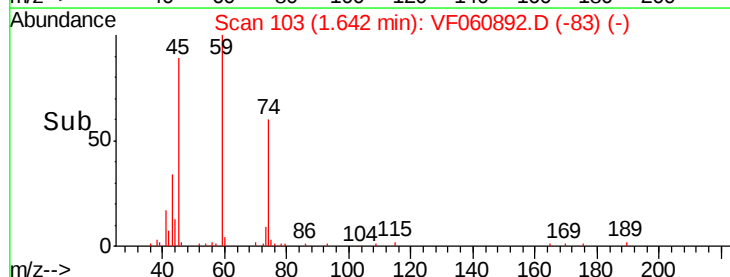
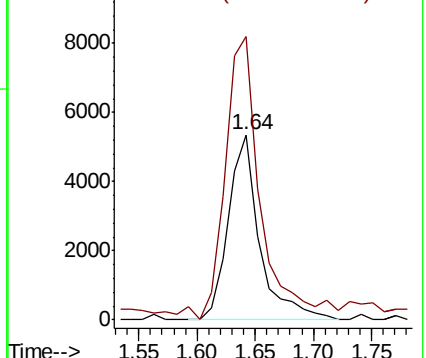
74 100

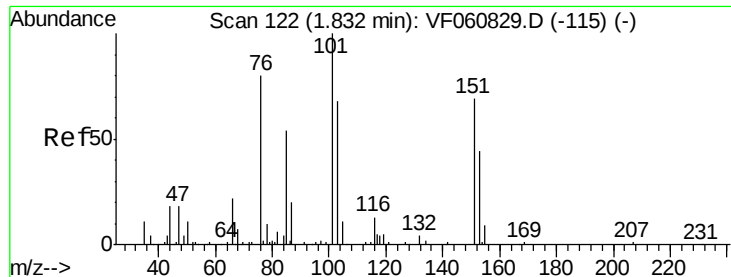
45 152.9 71.0 212.8



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: 23.381 ug/l

RT: 1.85 min Scan# 124

Delta R.T. 0.02 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

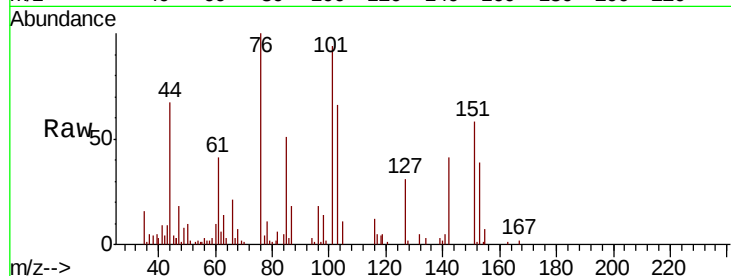
Tot Ion:101 Resp: 42194

Ion Ratio Lower Upper

101 100

85 54.2 42.8 64.2

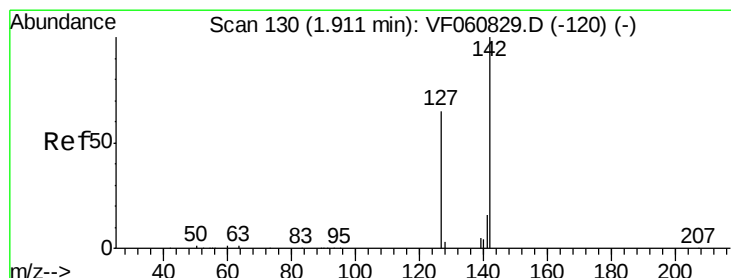
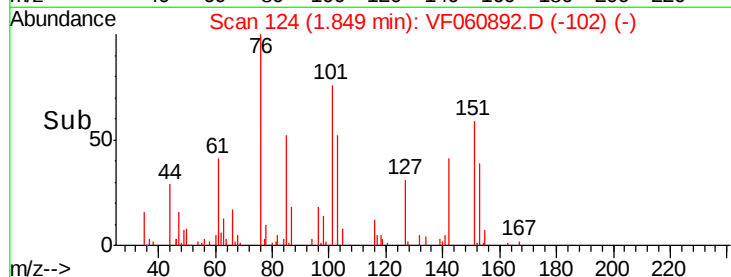
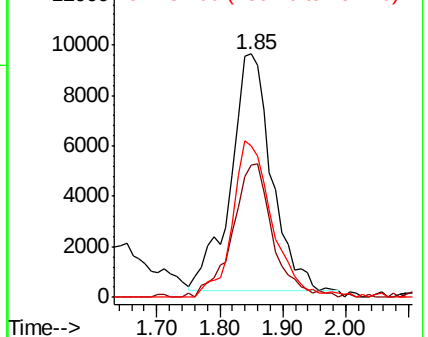
151 62.0 54.4 81.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 19.063 ug/l

RT: 1.92 min Scan# 131

Delta R.T. 0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

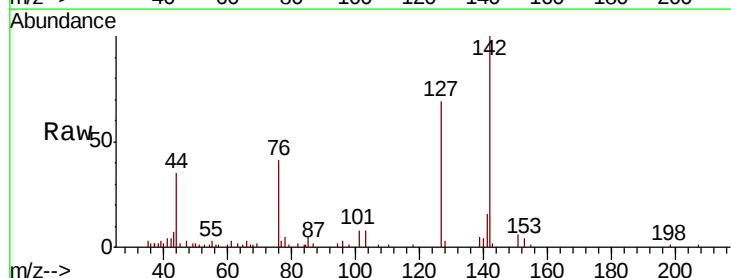
Tgt Ion:142 Resp: 52292

Ion Ratio Lower Upper

142 100

127 68.6 51.9 77.9

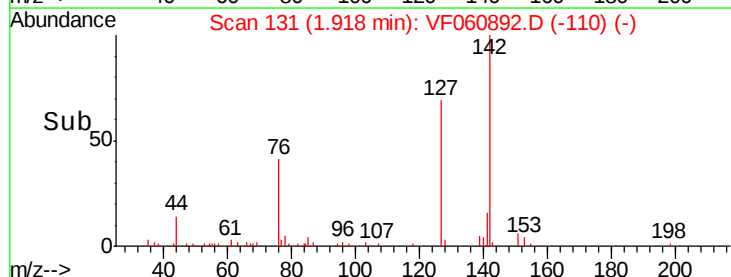
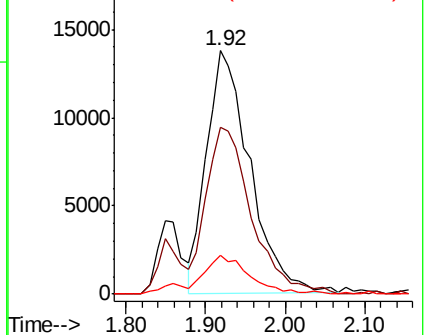
141 16.0 12.7 19.1

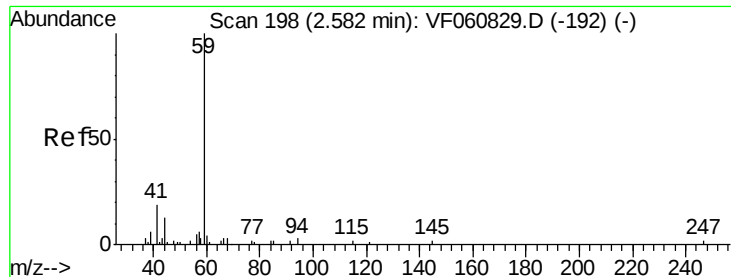


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

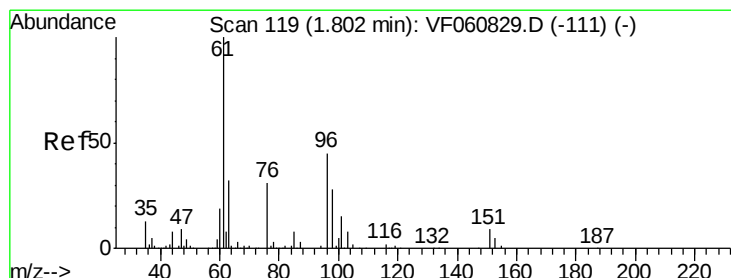
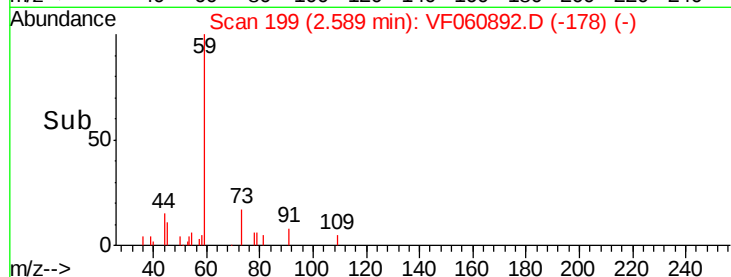
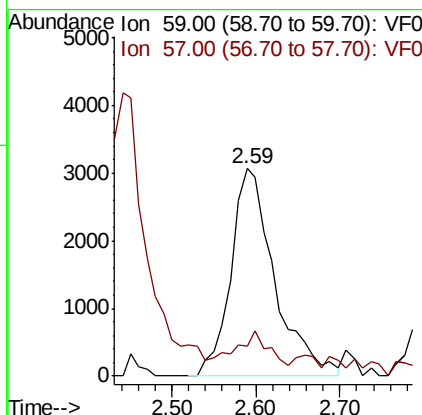
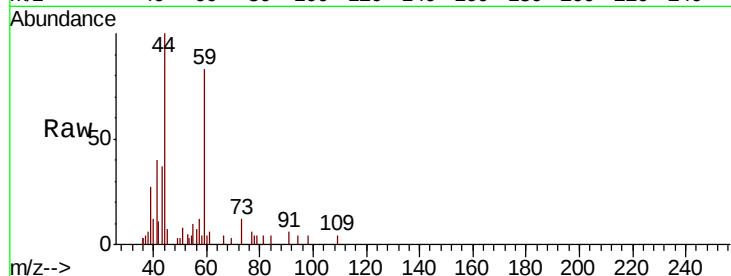




#11
Tert butyl alcohol
Concen: 125.669 ug/l
RT: 2.59 min Scan# 199
Delta R.T. 0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

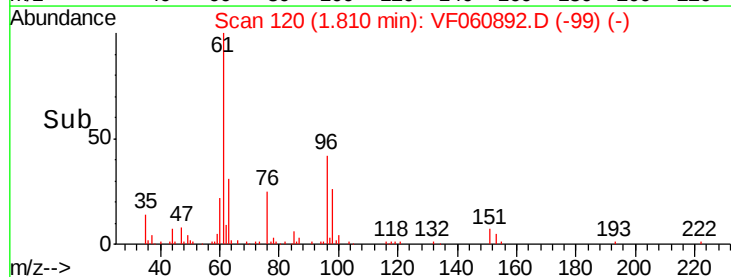
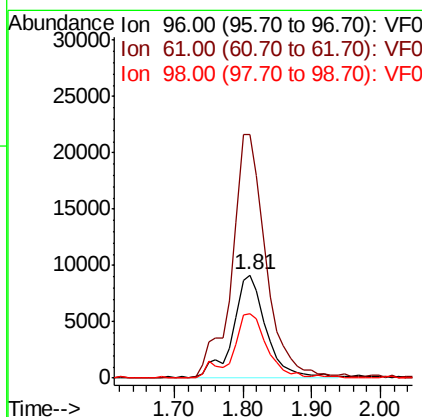
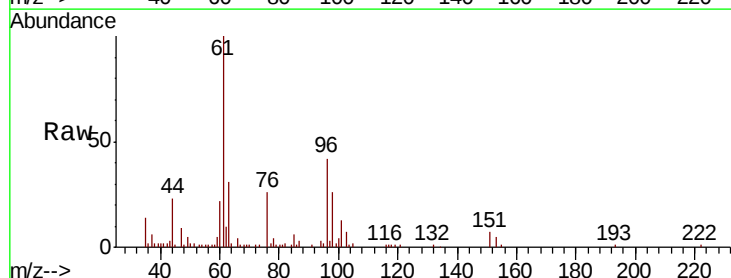
Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

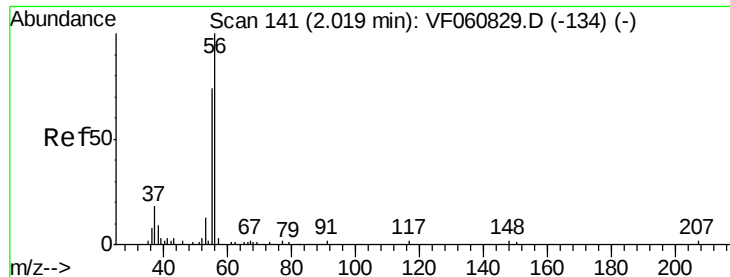
Tot Ion: 59 Resp: 11125
Ion Ratio Lower Upper
59 100
57 14.4 12.7 19.1



#12
1,1-Dichloroethene
Concen: 21.317 ug/l
RT: 1.81 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Tgt Ion: 96 Resp: 30943
Ion Ratio Lower Upper
96 100
61 236.1 177.3 265.9
98 62.5 49.6 74.4

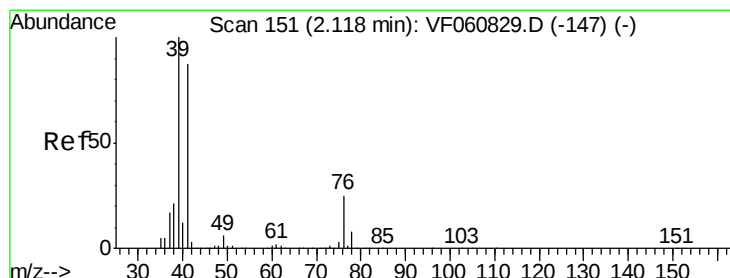
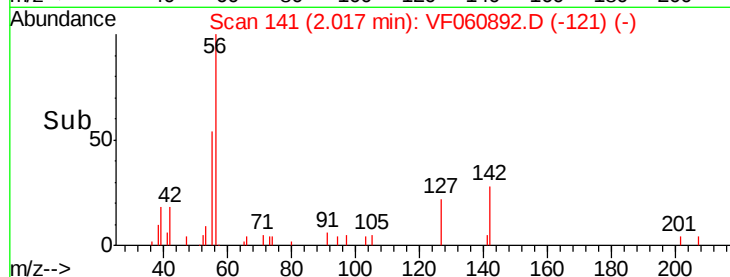
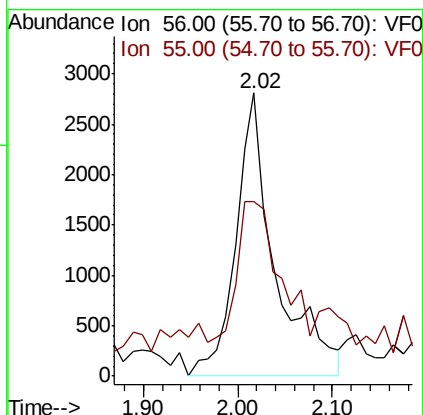
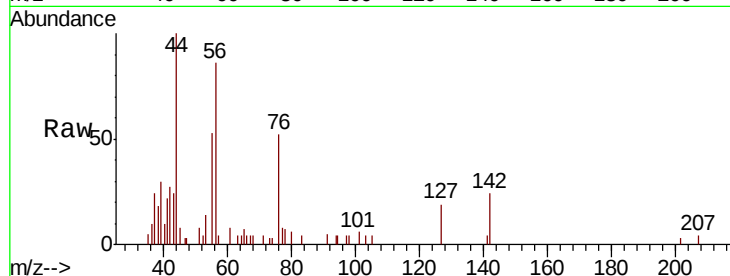




#13
 Acrolein
 Concen: 96.727 ug/l
 RT: 2.02 min Scan# 141
 Delta R.T. -0.00 min
 Lab File: VF060892.D
 Acq: 3 Dec 2018 15:33

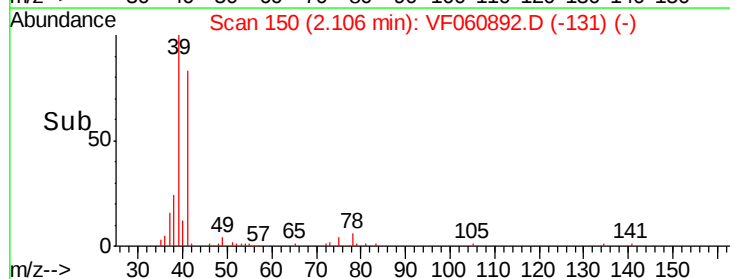
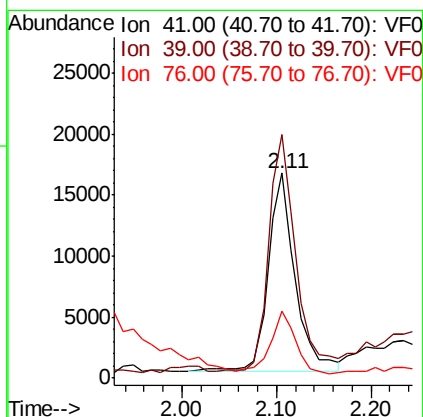
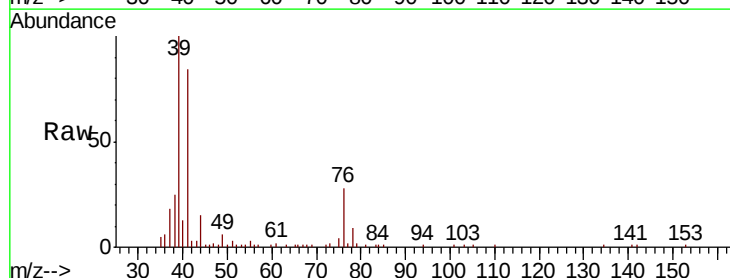
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

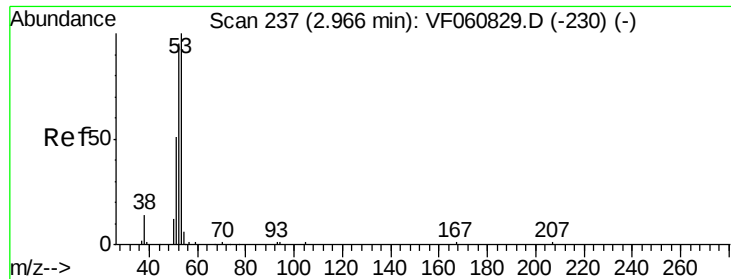
Tot Ion: 56 Resp: 8113
 Ion Ratio Lower Upper
 56 100
 55 61.8 61.2 91.8



#14
 Allyl chloride
 Concen: 17.784 ug/l
 RT: 2.11 min Scan# 150
 Delta R.T. -0.01 min
 Lab File: VF060892.D
 Acq: 3 Dec 2018 15:33

Tgt Ion: 41 Resp: 32175
 Ion Ratio Lower Upper
 41 100
 39 119.0 91.7 137.5
 76 32.8 23.5 35.3

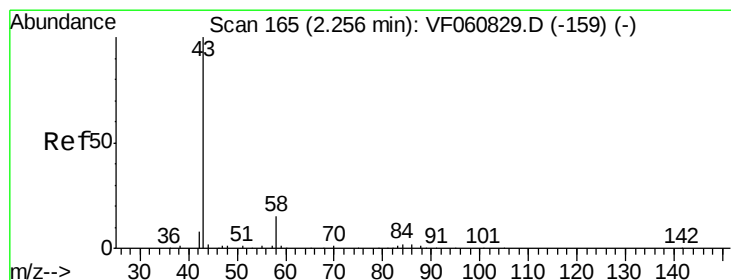
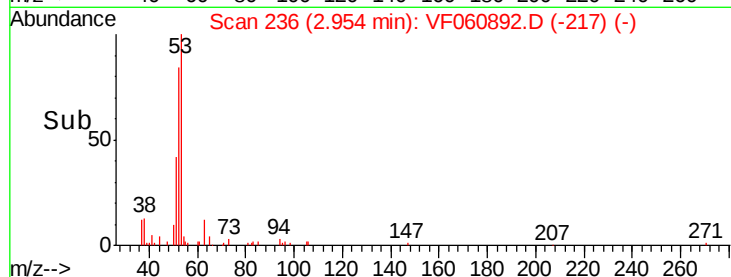
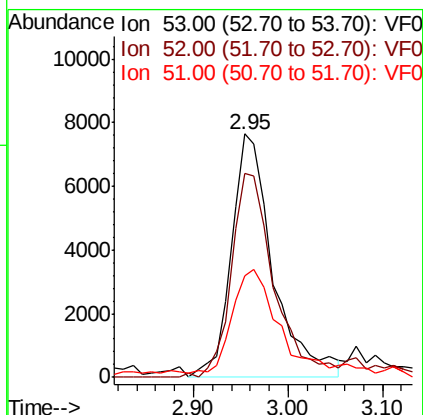
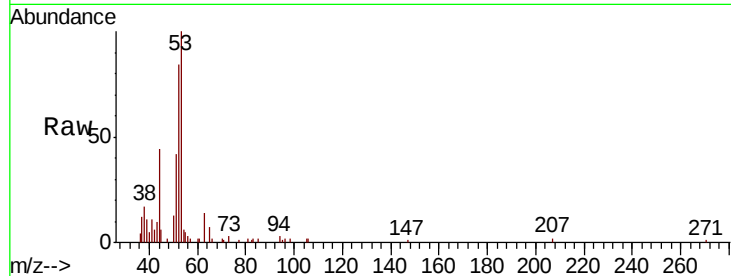




#15
 Acrylonitrile
 Concen: 118.140 ug/l
 RT: 2.95 min Scan# 236
 Delta R.T. -0.01 min
 Lab File: VF060892.D
 Acq: 3 Dec 2018 15:33

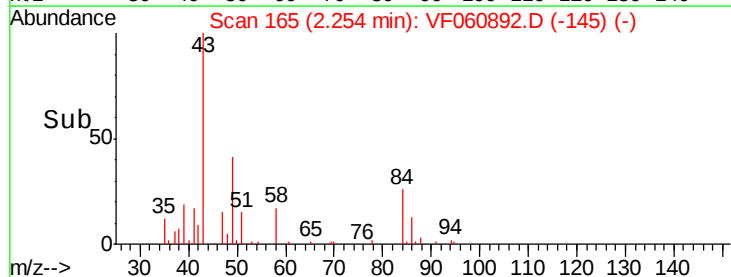
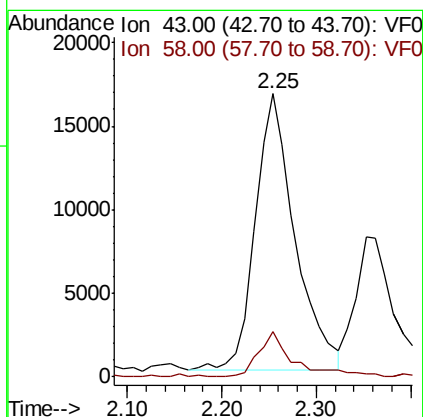
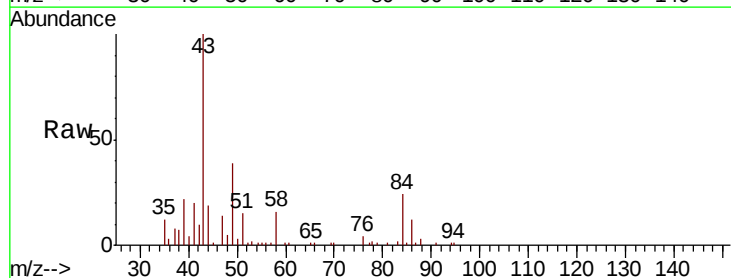
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

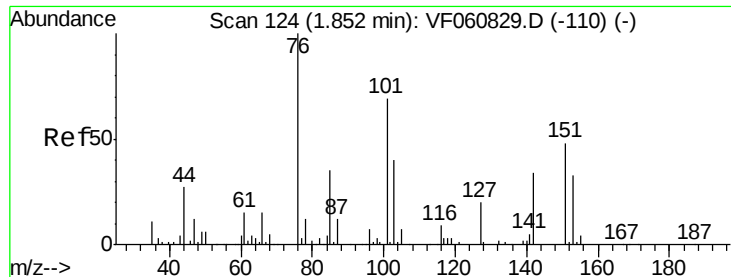
Tot Ion: 53 Resp: 23447
 Ion Ratio Lower Upper
 53 100
 52 83.7 76.5 114.7
 51 41.6 40.7 61.1



#16
 Acetone
 Concen: 120.883 ug/l
 RT: 2.25 min Scan# 165
 Delta R.T. -0.00 min
 Lab File: VF060892.D
 Acq: 3 Dec 2018 15:33

Tgt Ion: 43 Resp: 48140
 Ion Ratio Lower Upper
 43 100
 58 16.2 11.4 17.2

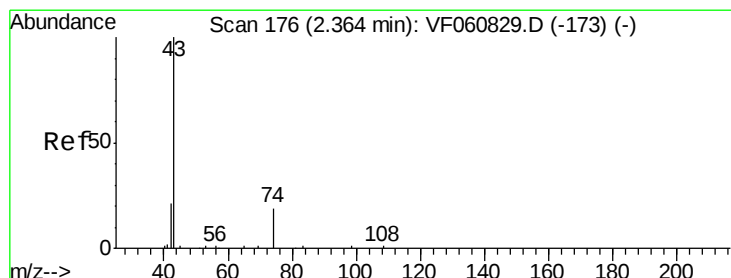
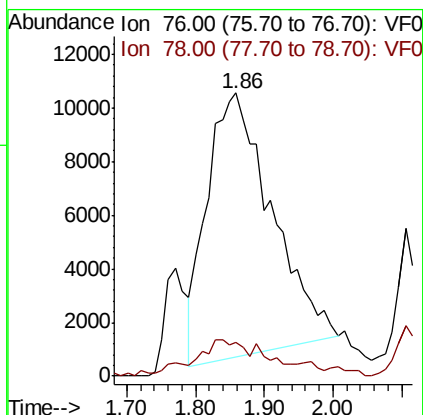
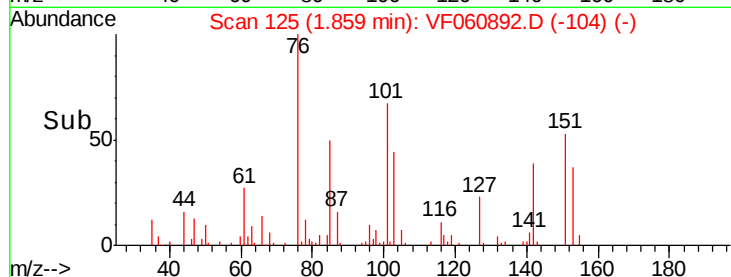
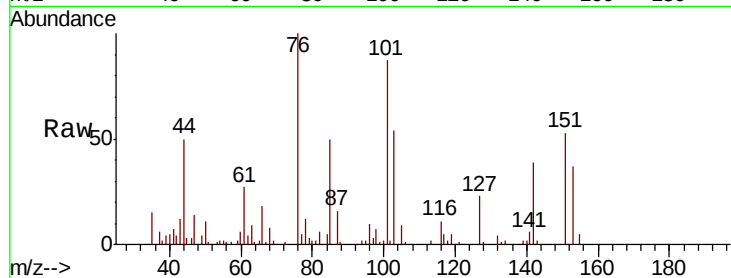




#17
Carbon Disulfide
Concen: 16.522 ug/l
RT: 1.86 min Scan# 125
Delta R.T. 0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

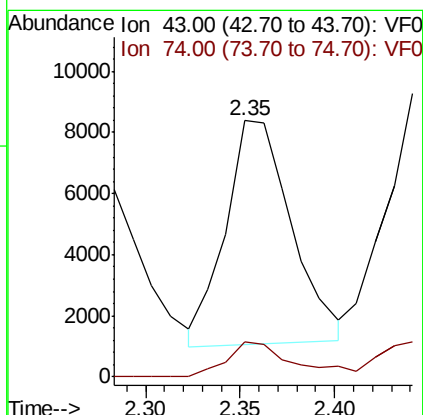
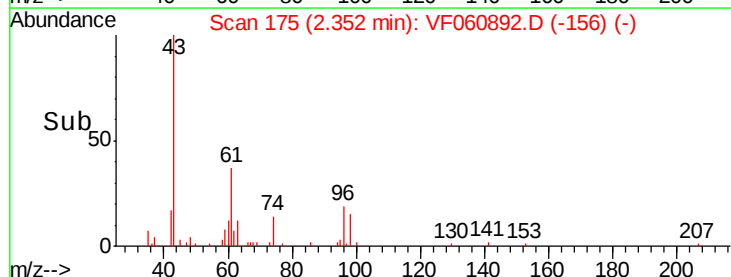
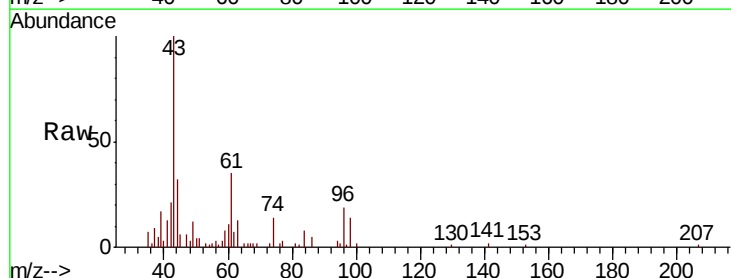
Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

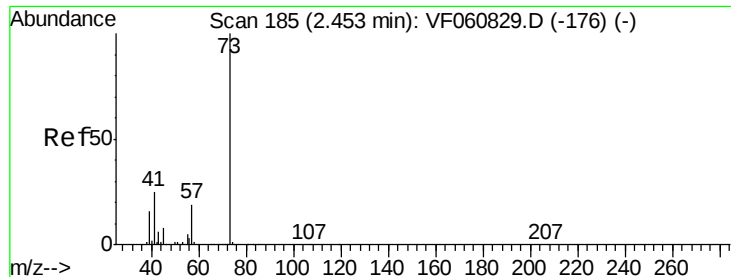
Tot Ion: 76 Resp: 64305
Ion Ratio Lower Upper
76 100
78 11.9 10.2 15.2



#18
Methyl Acetate
Concen: 25.888 ug/l
RT: 2.35 min Scan# 175
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Tgt Ion: 43 Resp: 17828
Ion Ratio Lower Upper
43 100
74 13.6 13.3 19.9

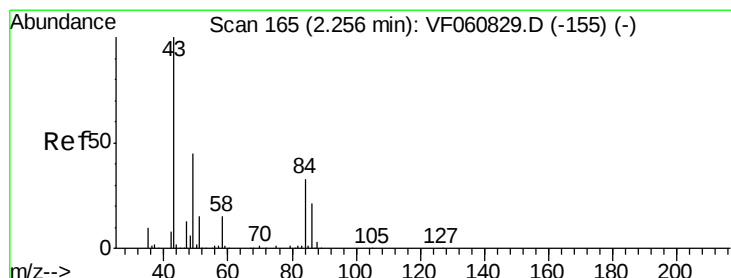
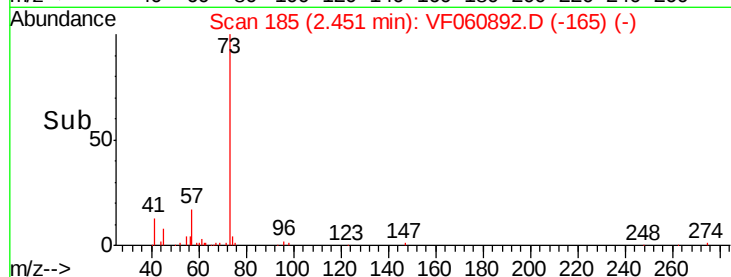
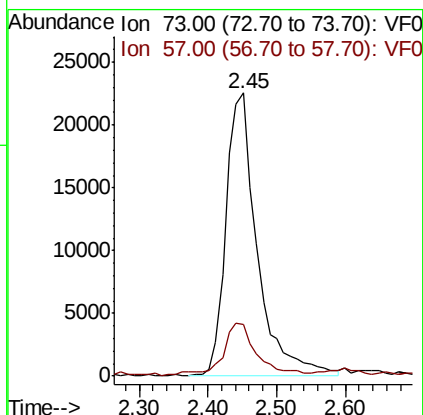
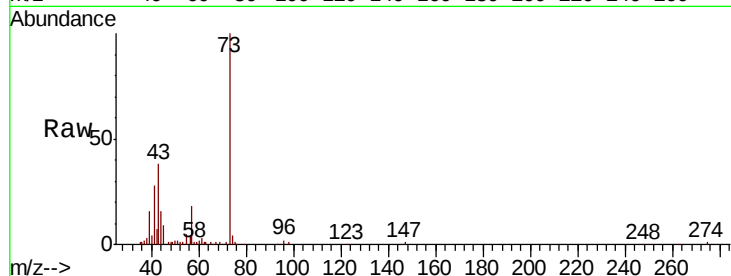




#19
Methyl tert-butyl Ether
Concen: 21.797 ug/l
RT: 2.45 min Scan# 185
Delta R.T. -0.00 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

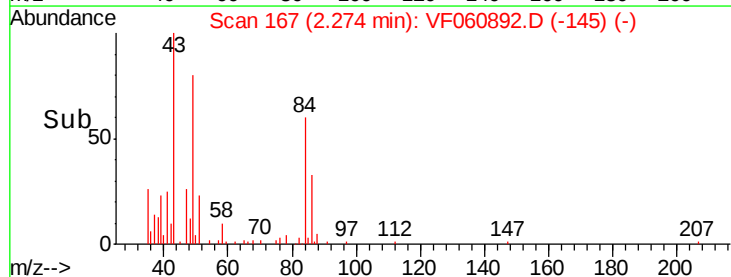
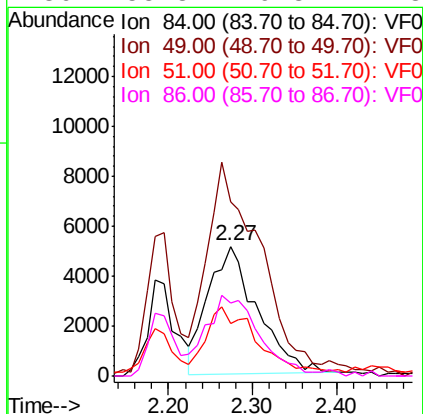
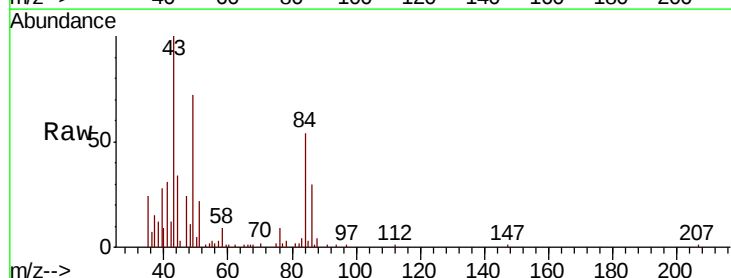
Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

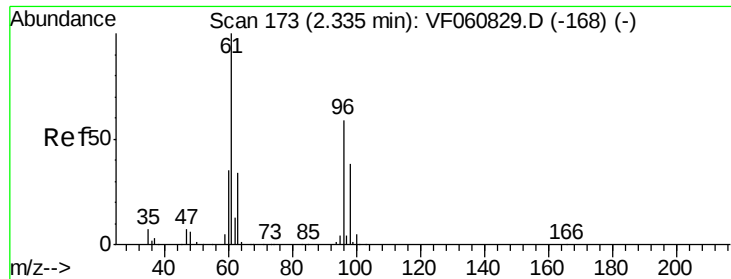
Tot Ion: 73 Resp: 71260
Ion Ratio Lower Upper
73 100
57 18.2 15.3 22.9



#20
Methylene Chloride
Concen: 14.291 ug/l
RT: 2.27 min Scan# 167
Delta R.T. 0.02 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Tgt Ion: 84 Resp: 20878
Ion Ratio Lower Upper
84 100
49 134.2 111.3 166.9
51 40.7 38.0 57.0
86 55.8 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 15.795 ug/l

RT: 2.32 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

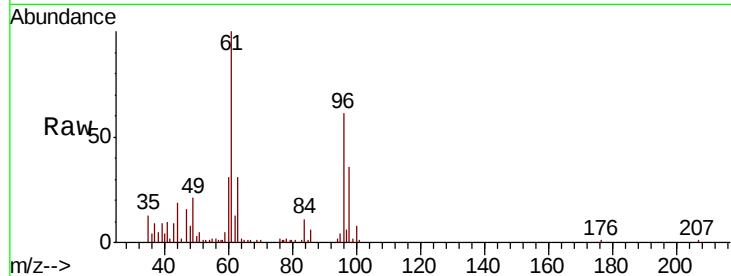
Tot Ion: 96 Resp: 22104

Ion Ratio Lower Upper

96 100

61 165.2 134.5 201.7

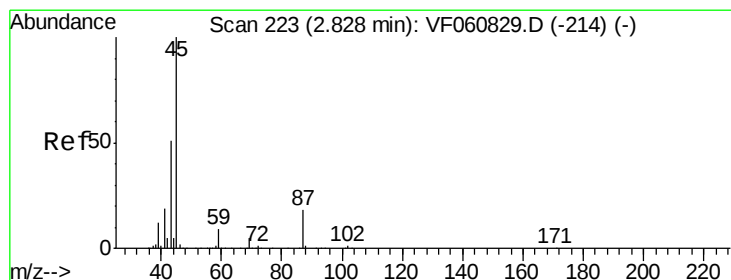
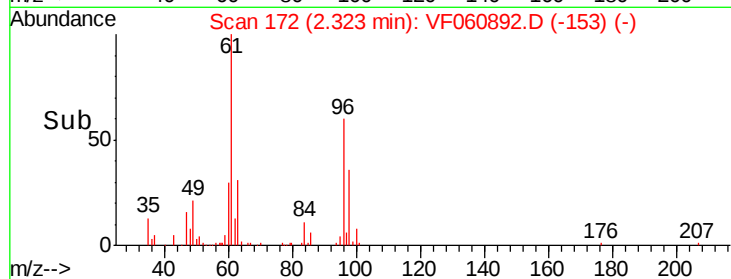
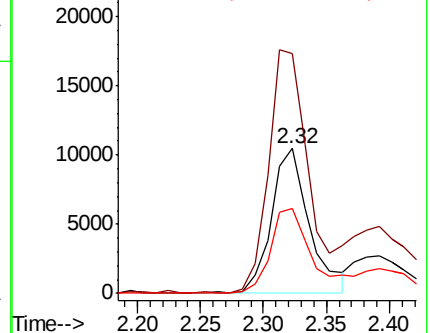
98 59.0 51.6 77.4



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 21.702 ug/l

RT: 2.82 min Scan# 222

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Tgt Ion: 45 Resp: 106875

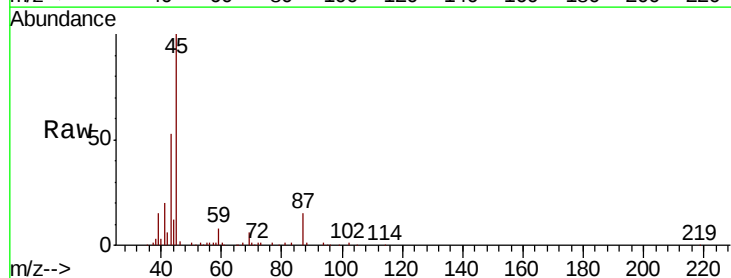
Ion Ratio Lower Upper

45 100

43 53.3 41.0 61.6

87 15.4 14.6 22.0

59 8.0 7.5 11.3

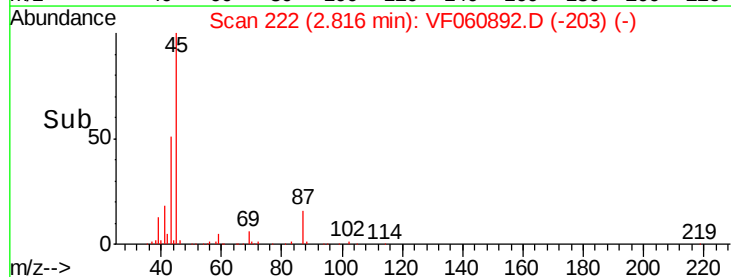
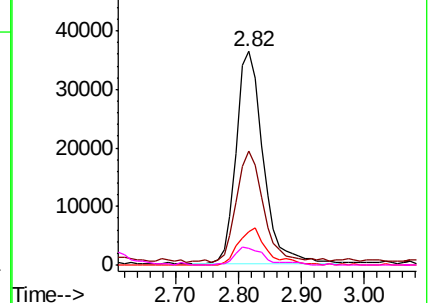


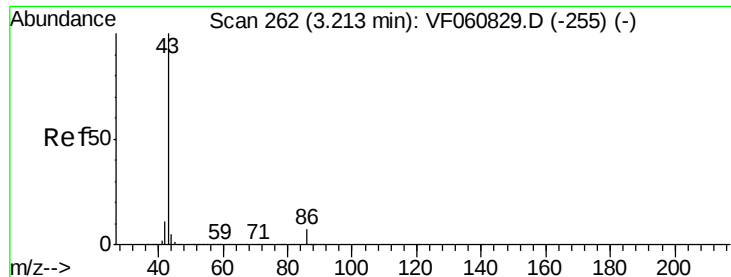
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 115.982 ug/l

RT: 3.20 min Scan# 261

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

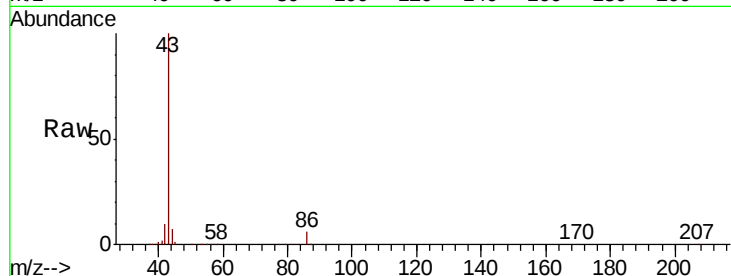
VF1203SBS01

Tot Ion: 43 Resp: 261089

Ion Ratio Lower Upper

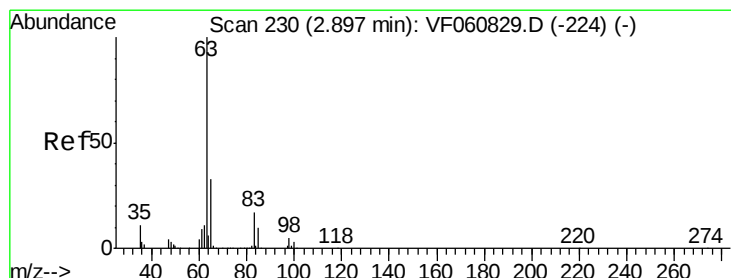
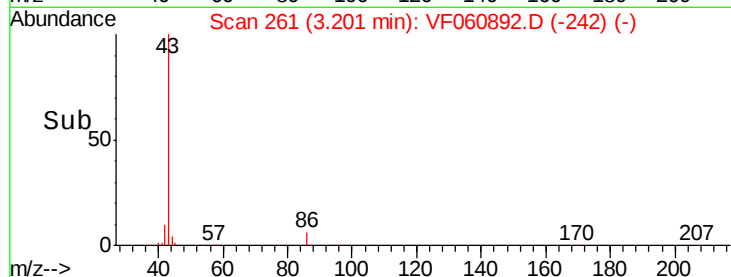
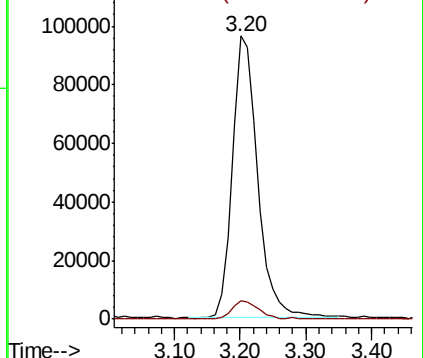
43 100

86 6.3 5.4 8.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 22.561 ug/l

RT: 2.89 min Scan# 229

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

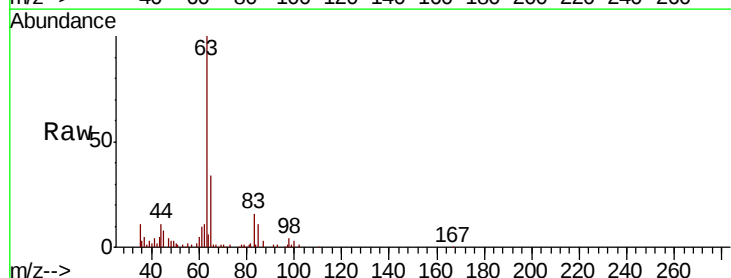
Tgt Ion: 63 Resp: 66105

Ion Ratio Lower Upper

63 100

98 4.4 2.7 8.1

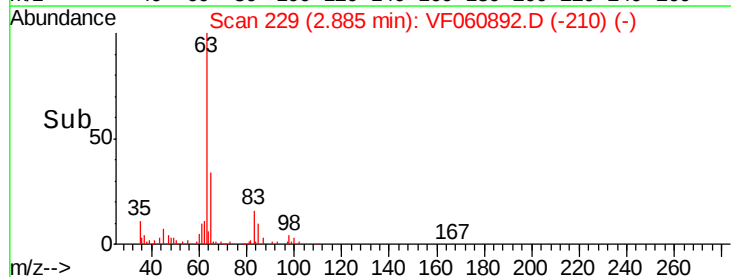
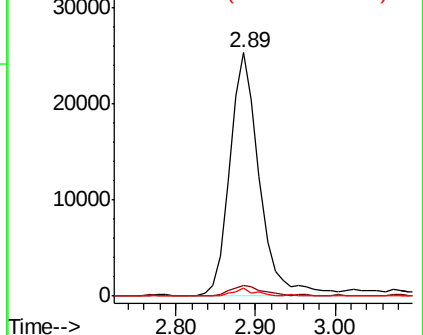
100 3.4 1.5 4.5

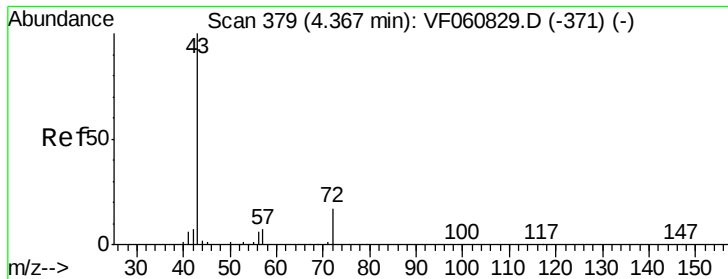


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 118.070 ug/l

RT: 4.36 min Scan# 379

Delta R.T. -0.00 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

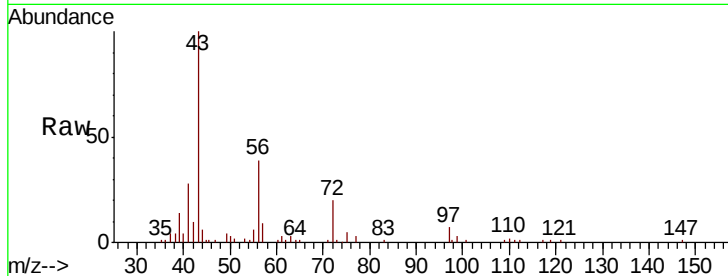
VF1203SBS01

Tot Ion: 43 Resp: 81328

Ion Ratio Lower Upper

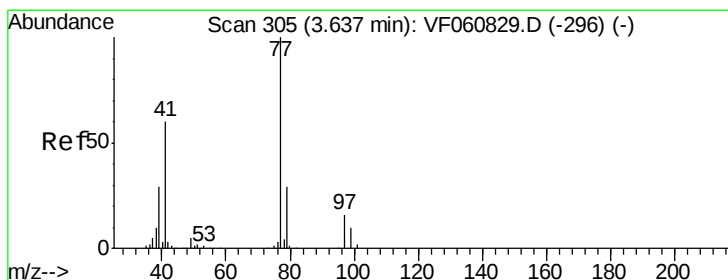
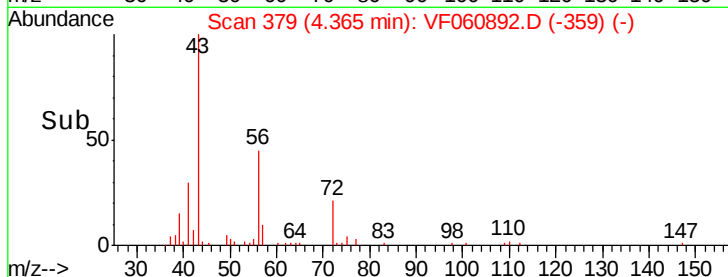
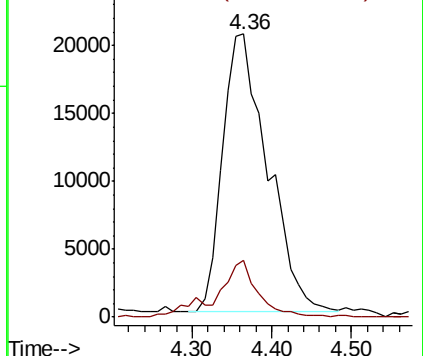
43 100

72 20.0 15.4 23.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 21.795 ug/l

RT: 3.62 min Scan# 303

Delta R.T. -0.02 min

Lab File: VF060892.D

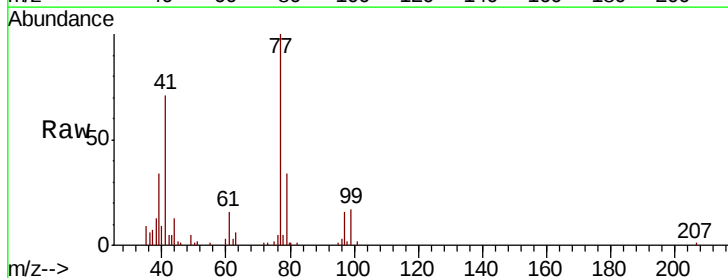
Acq: 3 Dec 2018 15:33

Tgt Ion: 77 Resp: 41400

Ion Ratio Lower Upper

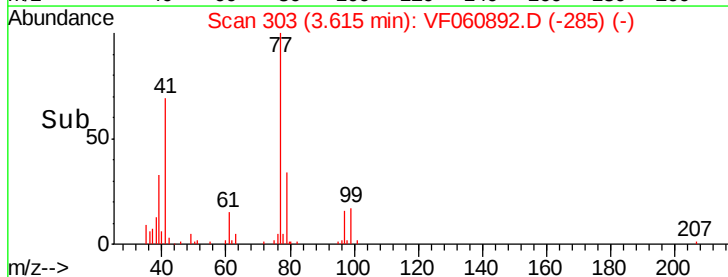
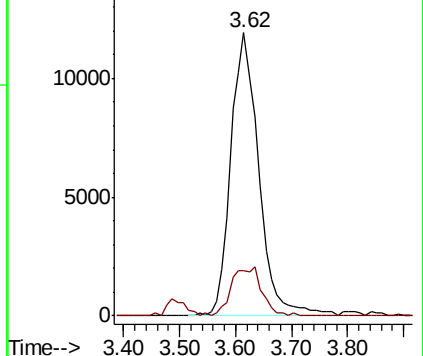
77 100

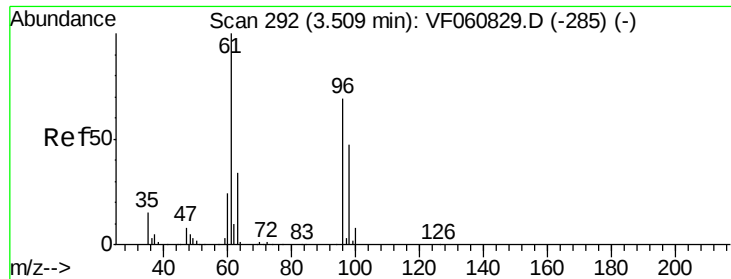
97 15.8 8.6 25.8



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



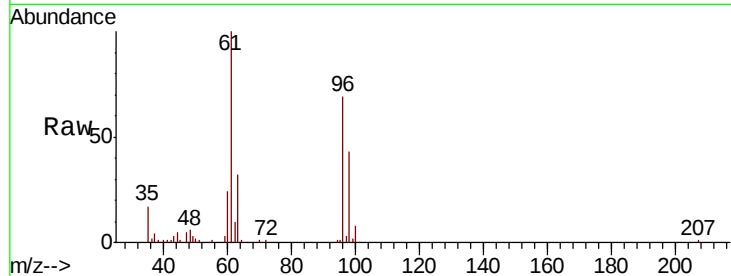


#27

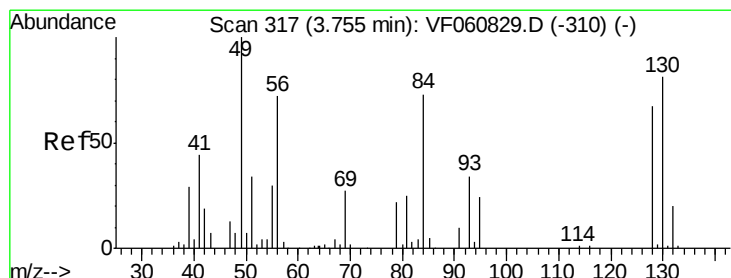
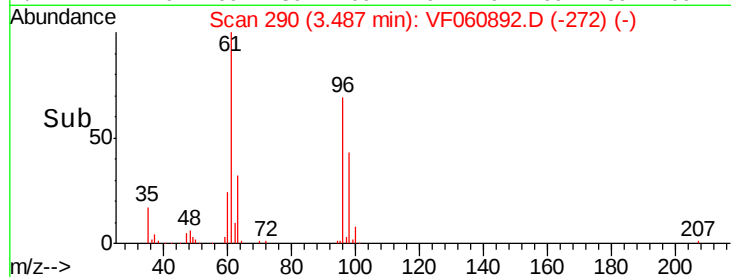
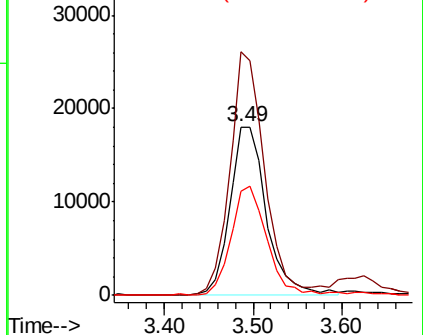
cis-1,2-Dichloroethene
 Concen: 22.746 ug/l
 RT: 3.49 min Scan# 290
 Delta R.T. -0.02 min
 Lab File: VF060892.D
 Acq: 3 Dec 2018 15:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

Tot Ion	96	Resp	51820
Ion	Ratio	Lower	Upper
96	100		
61	144.4	0.0	290.6
98	61.5	0.0	137.8



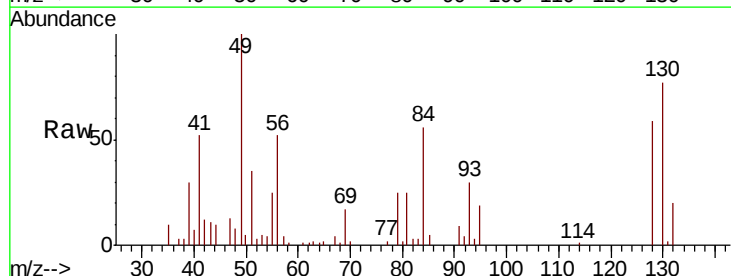
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



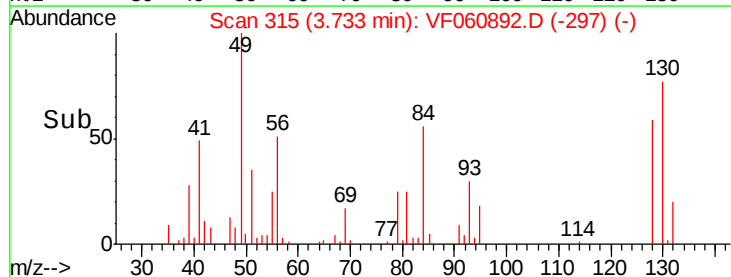
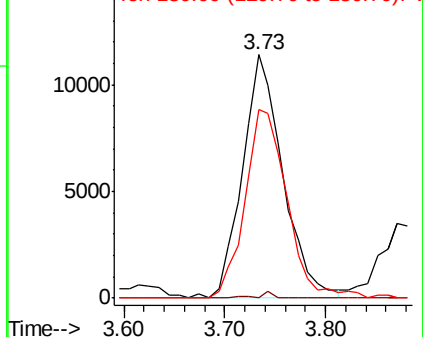
#28

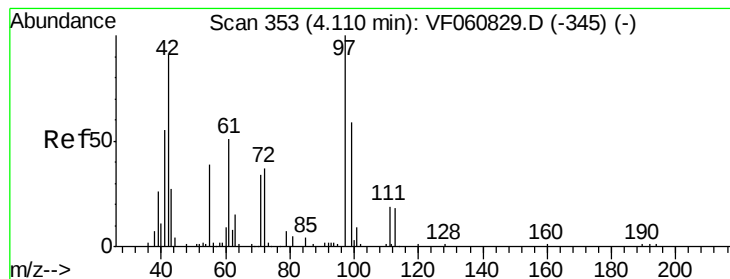
Bromochloromethane
 Concen: 22.637 ug/l
 RT: 3.73 min Scan# 315
 Delta R.T. -0.02 min
 Lab File: VF060892.D
 Acq: 3 Dec 2018 15:33

Tgt Ion	49	Resp	31831
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	77.5	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: 110.553 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

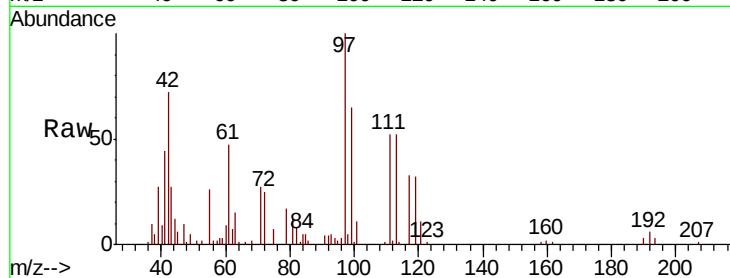
Tot Ion: 42 Resp: 32279

Ion Ratio Lower Upper

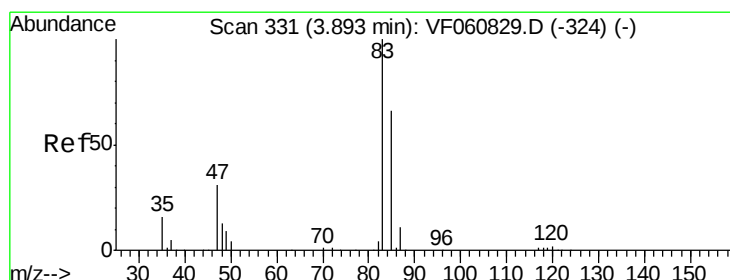
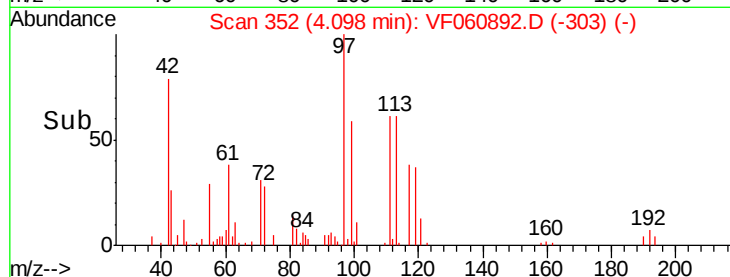
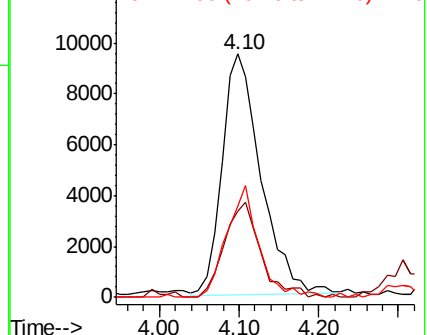
42 100

72 36.9 31.9 47.9

71 38.6 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: 22.471 ug/l

RT: 3.88 min Scan# 330

Delta R.T. -0.01 min

Lab File: VF060892.D

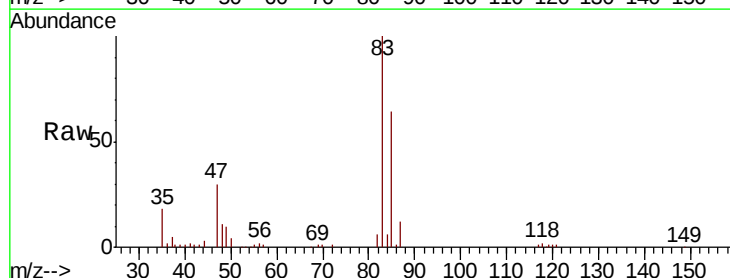
Acq: 3 Dec 2018 15:33

Tgt Ion: 83 Resp: 101331

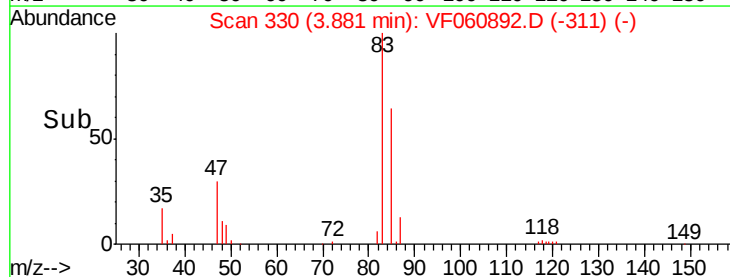
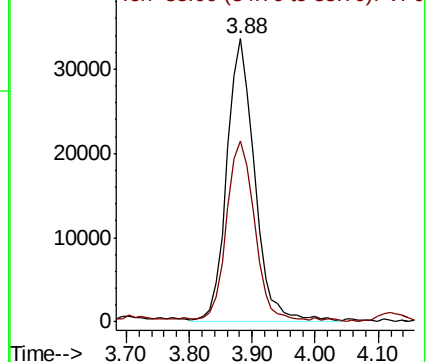
Ion Ratio Lower Upper

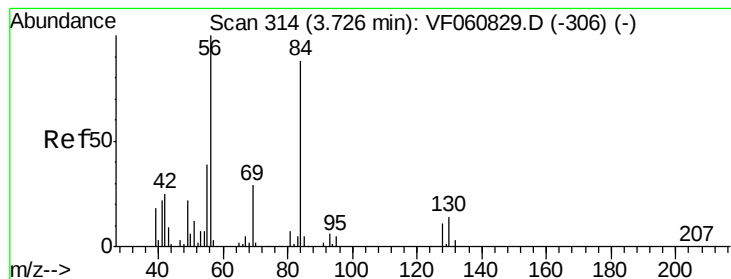
83 100

85 64.1 53.4 80.2



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





#31

Cvclohexane

Concen: 14.372 ug/l

RT: 3.70 min Scan# 312

Delta R.T. -0.02 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

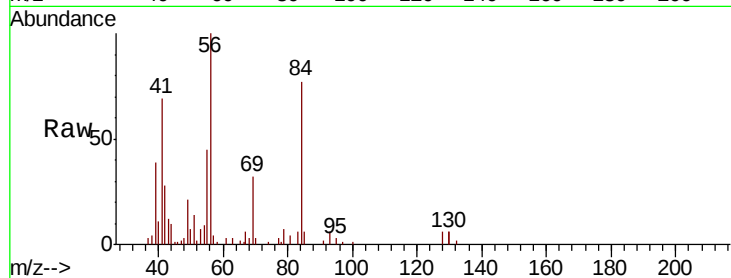
Tot Ion: 56 Resp: 43702

Ion Ratio Lower Upper

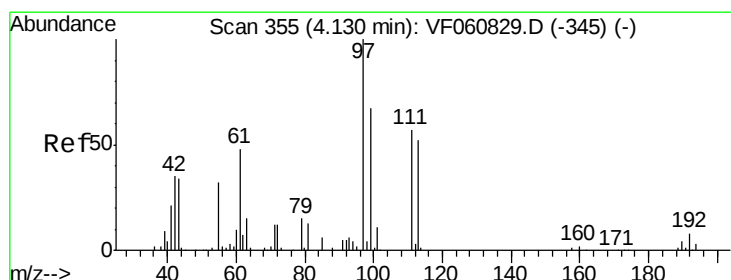
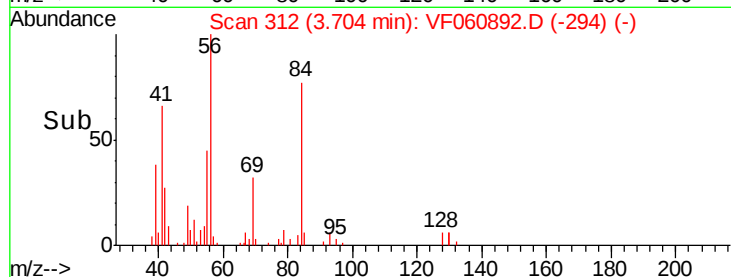
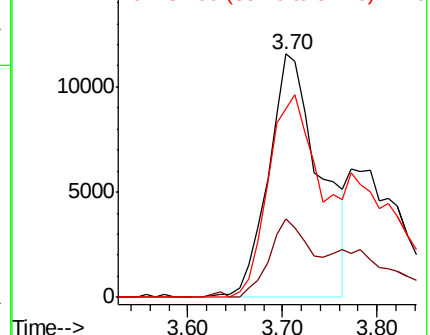
56 100

69 32.5 23.0 34.4

84 77.3 70.4 105.6



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



#32

1,1,1-Trichloroethane

Concen: 19.243 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

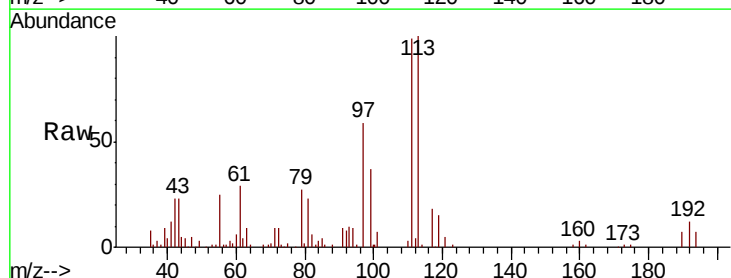
Tgt Ion: 97 Resp: 60179

Ion Ratio Lower Upper

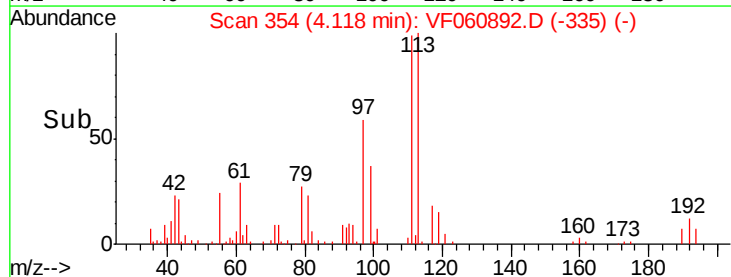
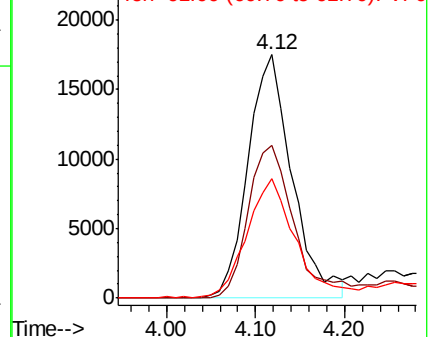
97 100

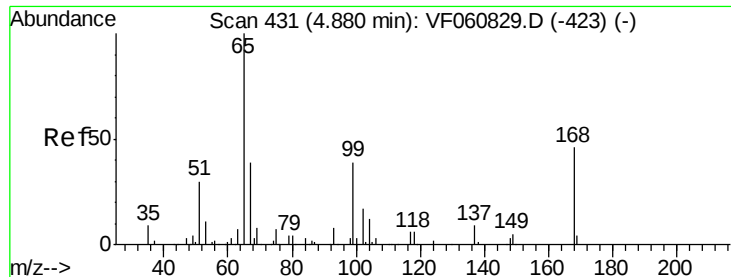
99 62.8 53.5 80.3

61 48.8 38.6 58.0



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





#33

1,2-Dichloroethane-d4

Concen: 55.259 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

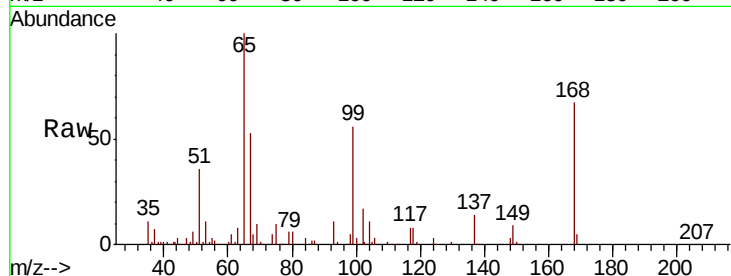
VF1203SBS01

Tot Ion: 65 Resp: 119336

Ion Ratio Lower Upper

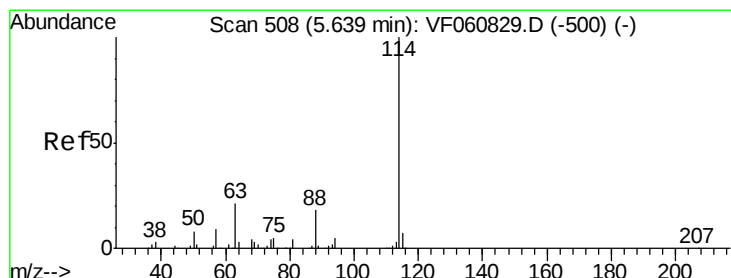
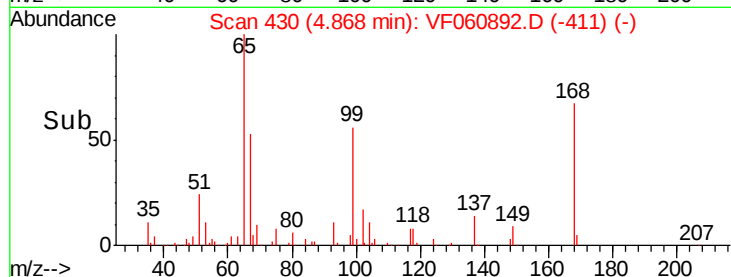
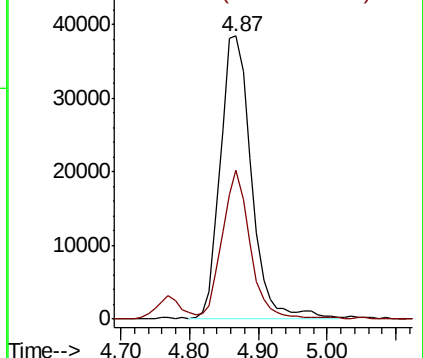
65 100

67 52.8 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 506

Delta R.T. -0.02 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

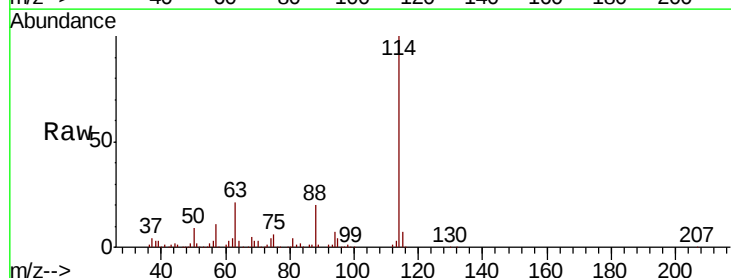
Tgt Ion: 114 Resp: 312572

Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.6

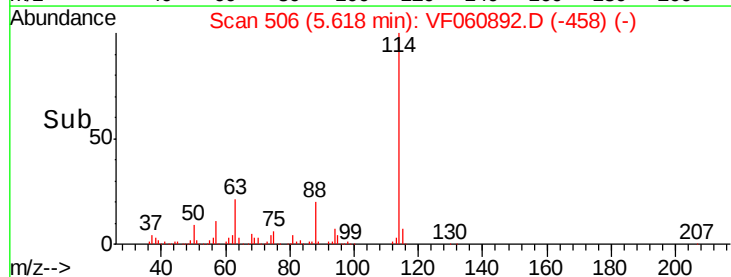
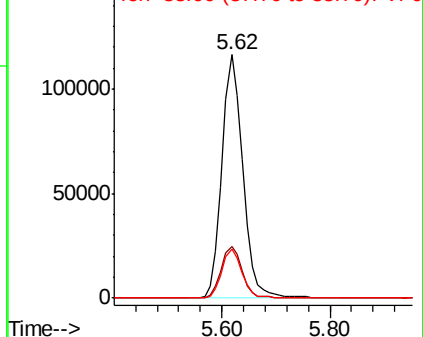
88 20.0 0.0 36.6

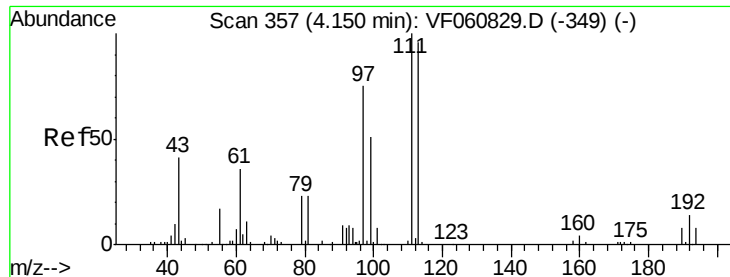


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

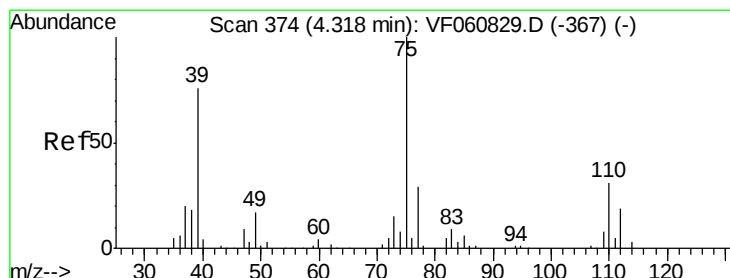
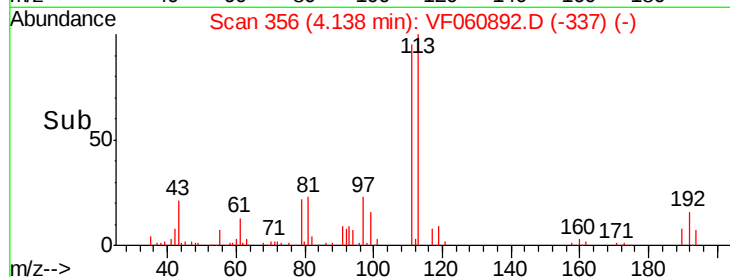
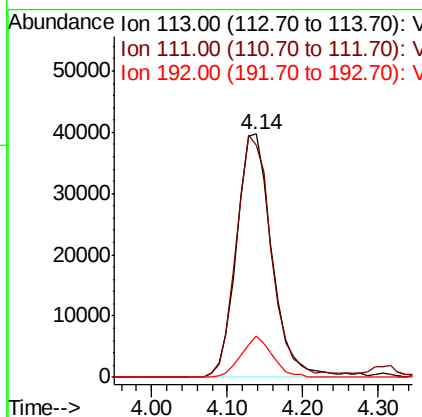
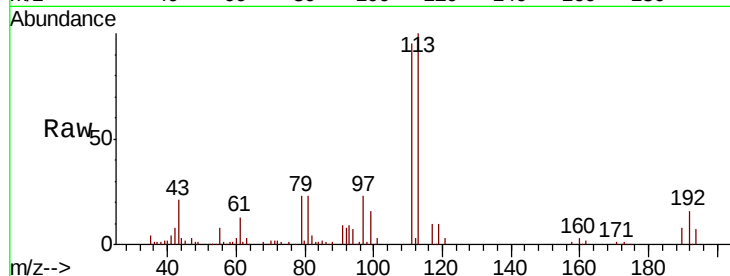




#35
 Dibromofluoromethane
 Concen: 51.681 ug/l
 RT: 4.14 min Scan# 356
 Delta R.T. -0.01 min
 Lab File: VF060892.D
 Acq: 3 Dec 2018 15:33

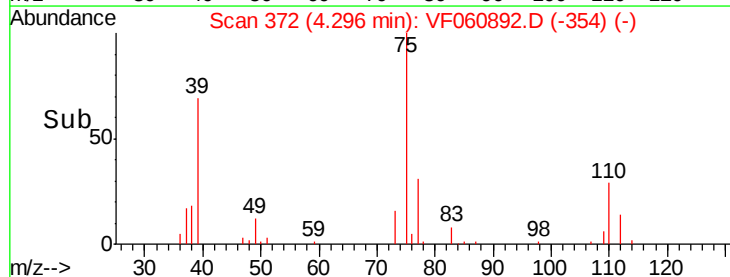
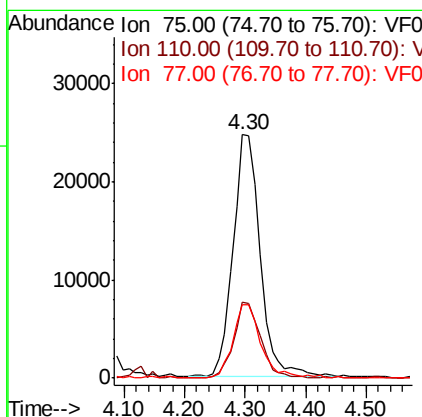
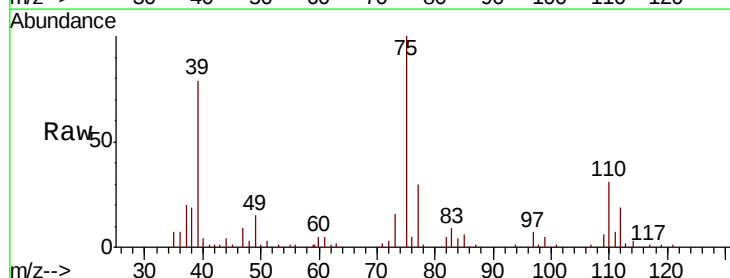
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

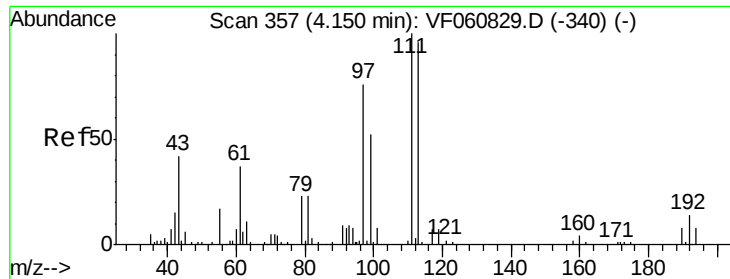
Tot Ion:113 Resp: 128153
 Ion Ratio Lower Upper
 113 100
 111 95.3 83.0 124.6
 192 16.8 12.3 18.5



#36
 1,1-Dichloropropene
 Concen: 22.385 ug/l
 RT: 4.30 min Scan# 372
 Delta R.T. -0.02 min
 Lab File: VF060892.D
 Acq: 3 Dec 2018 15:33

Tgt Ion: 75 Resp: 77606
 Ion Ratio Lower Upper
 75 100
 110 31.3 15.6 46.8
 77 30.3 23.4 35.0





#37

Ethyl Acetate

Concen: 24.239 ug/l

RT: 4.14 min Scan# 356

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampled :

VF1203SBS01

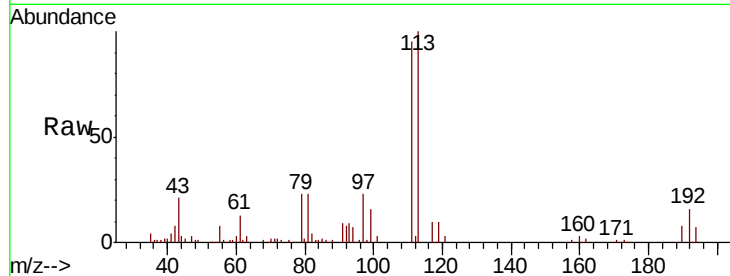
Tot Ion: 43 Resp: 34150

Ion Ratio Lower Upper

43 100

61 60.5 68.6 103.0#

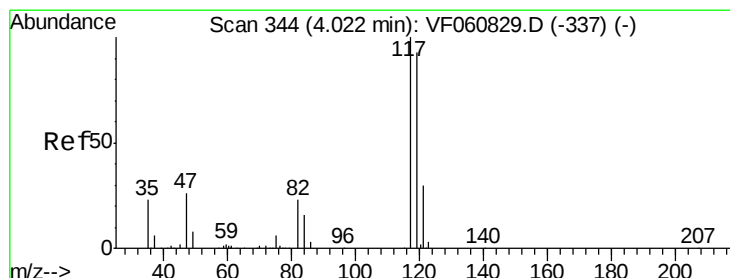
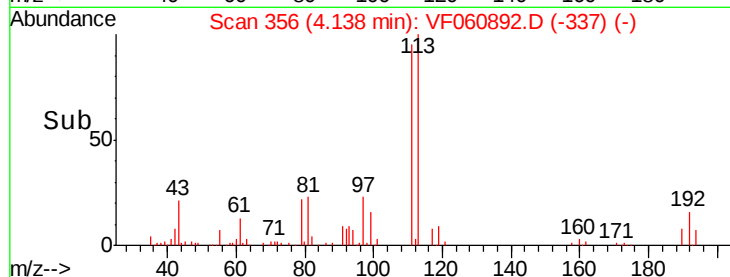
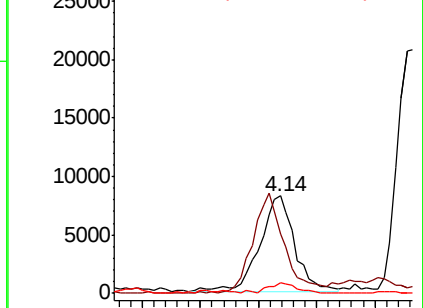
70 11.5 9.0 13.4



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: 20.103 ug/l

RT: 4.01 min Scan# 343

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

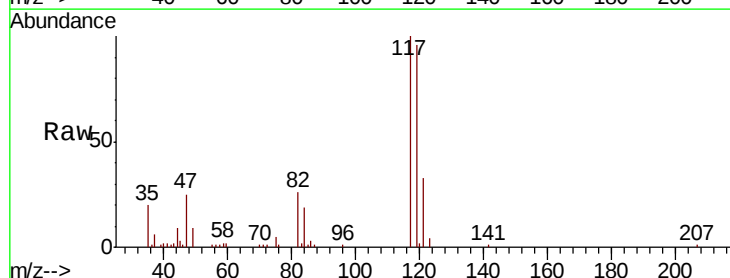
Tgt Ion:117 Resp: 61559

Ion Ratio Lower Upper

117 100

119 96.0 74.4 111.6

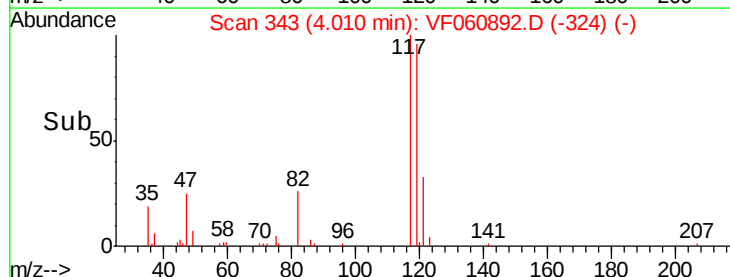
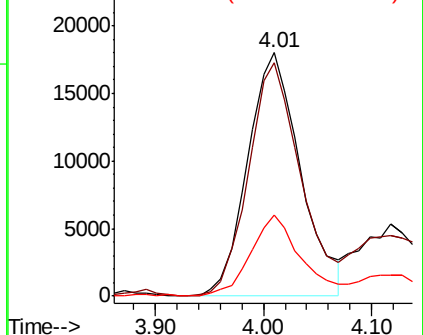
121 33.1 23.5 35.3

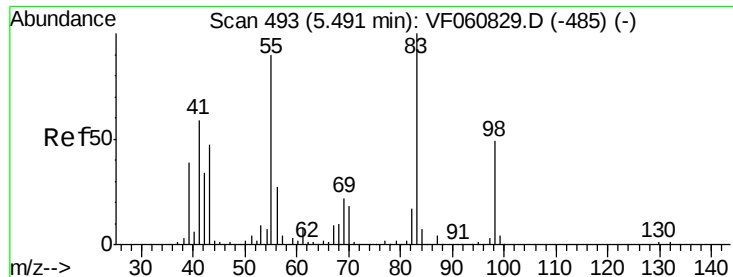


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

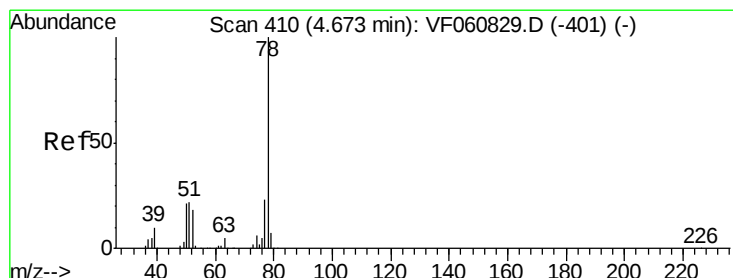
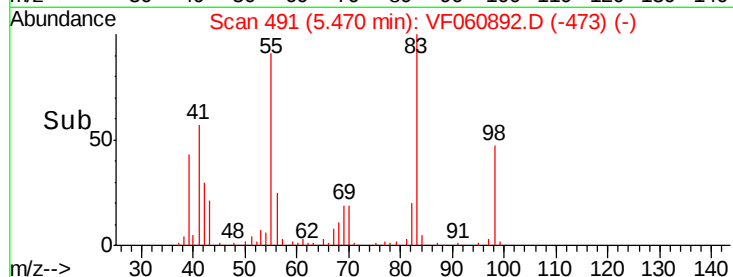
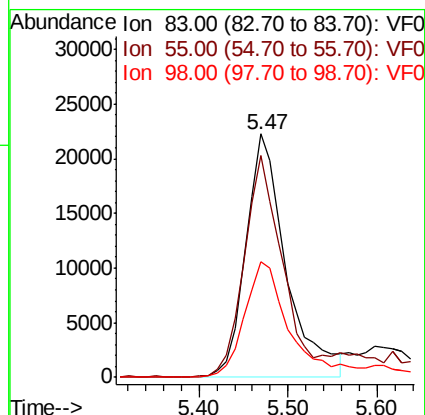
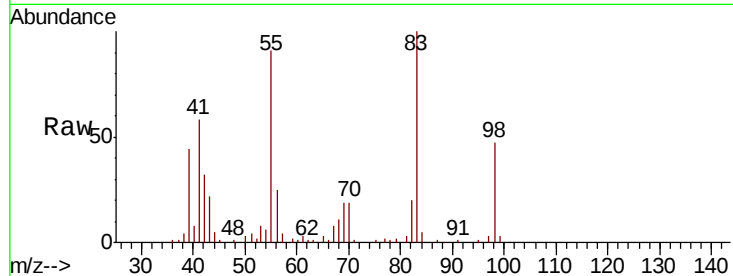




#39
Methvlcvclohexane
Concen: 19.183 ug/l
RT: 5.47 min Scan# 491
Delta R.T. -0.02 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

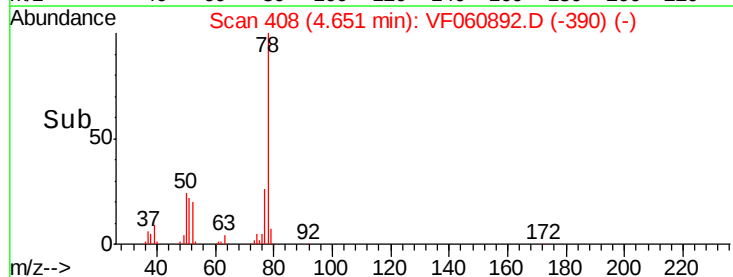
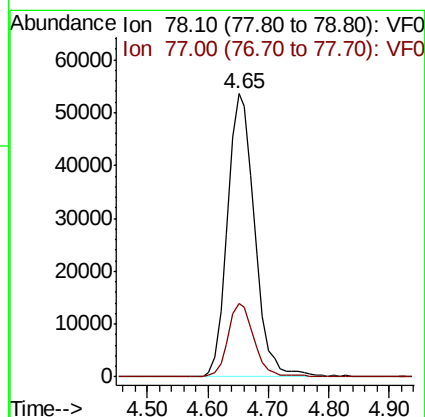
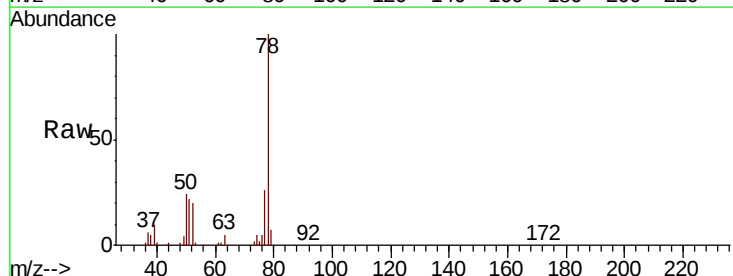
Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

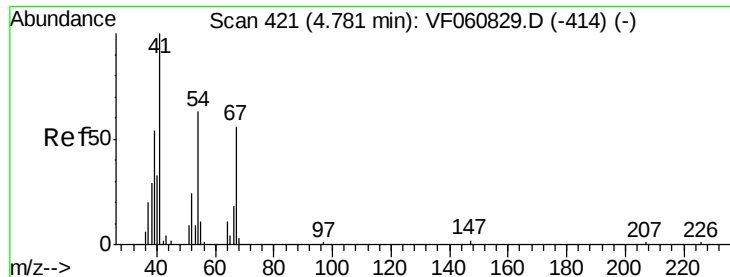
Tot Ion: 83 Resp: 69696
Ion Ratio Lower Upper
83 100
55 91.2 72.1 108.1
98 47.4 39.1 58.7



#40
Benzene
Concen: 21.910 ug/l
RT: 4.65 min Scan# 408
Delta R.T. -0.02 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Tgt Ion: 78 Resp: 167809
Ion Ratio Lower Upper
78 100
77 26.0 18.7 28.1





#41

Methacrylonitrile

Concen: 23.469 ug/l

RT: 4.77 min Scan# 420

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion: 41 Resp: 18621

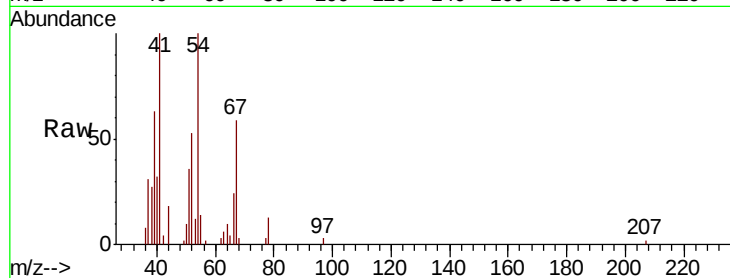
Ion Ratio Lower Upper

41 100

39 63.1 53.0 79.6

67 59.4 43.8 65.6

52 53.0 37.8 56.8

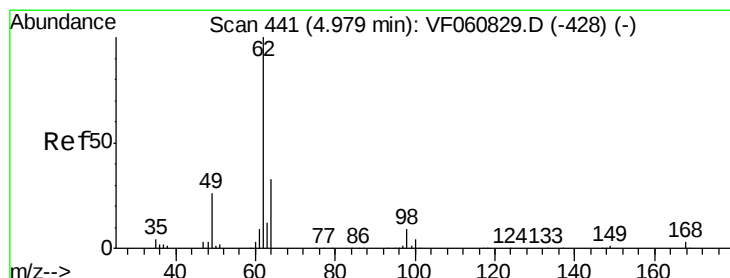
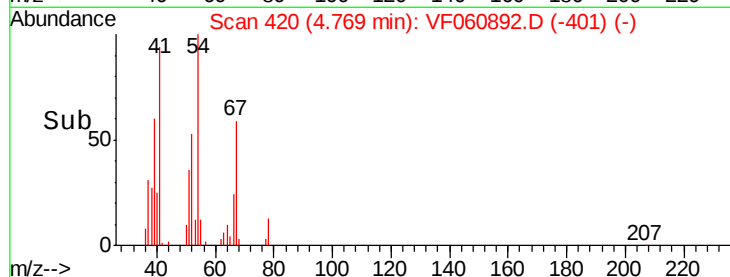
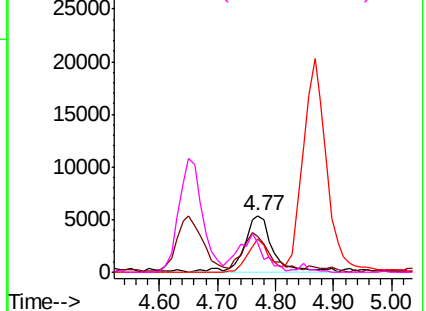


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 22.426 ug/l

RT: 4.97 min Scan# 440

Delta R.T. -0.01 min

Lab File: VF060892.D

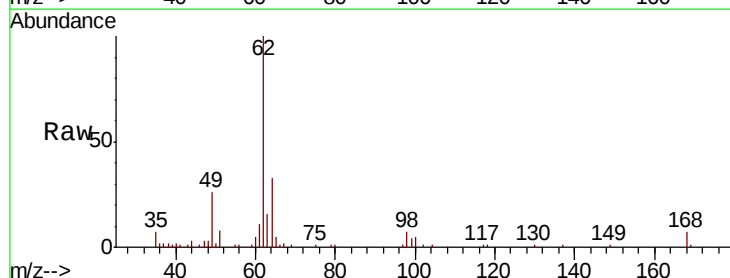
Acq: 3 Dec 2018 15:33

Tgt Ion: 62 Resp: 62707

Ion Ratio Lower Upper

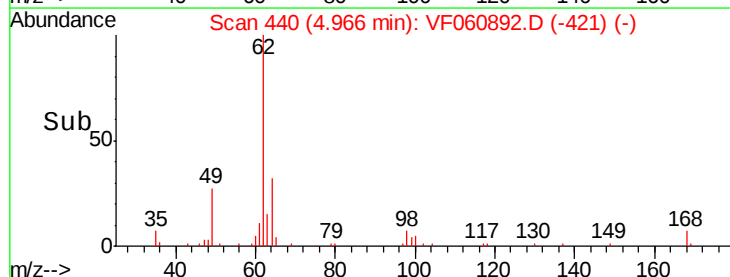
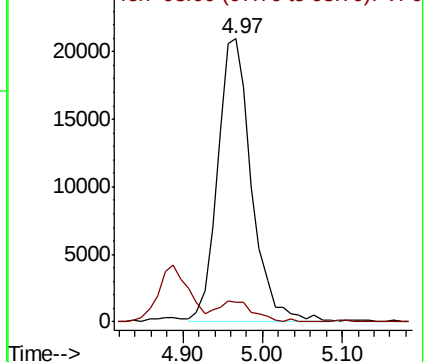
62 100

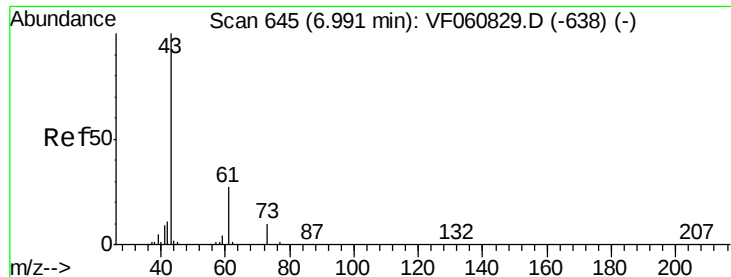
98 7.0 0.0 17.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



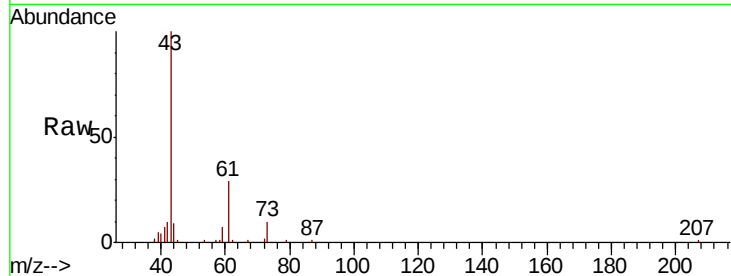


#43

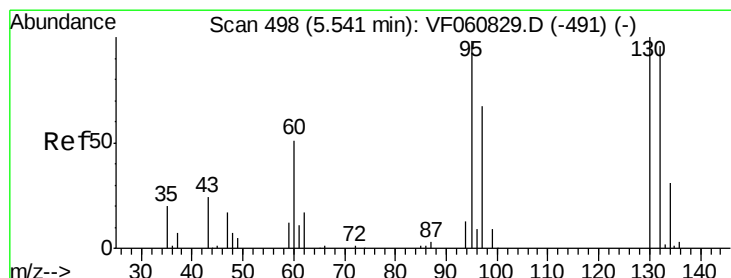
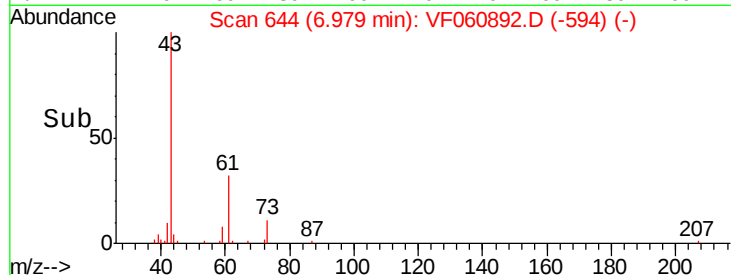
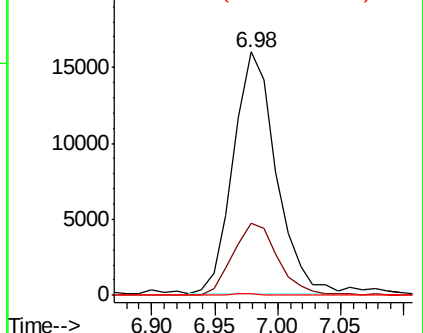
Isopropyl Acetate
 Concen: 19.783 ug/l
 RT: 6.98 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: VF060892.D
 Acq: 3 Dec 2018 15:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

Tot Ion: 43 Resp: 37246
 Ion Ratio Lower Upper
 43 100
 61 29.4 21.4 32.0
 87 0.7 0.2 0.4#



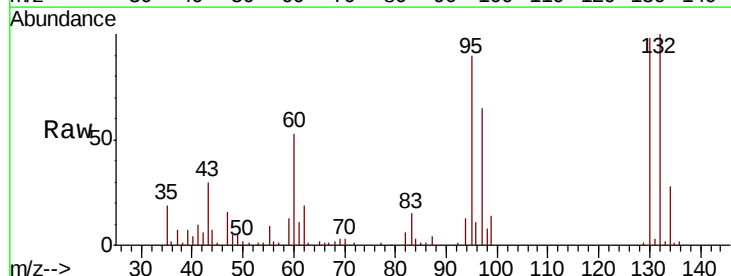
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



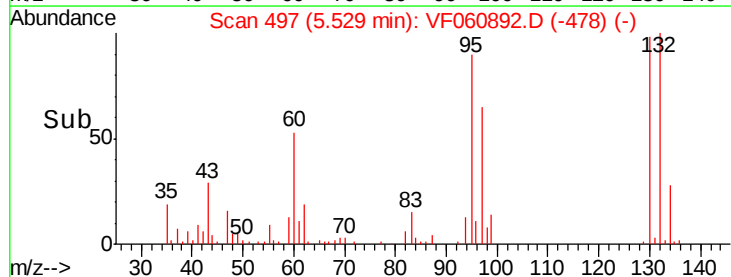
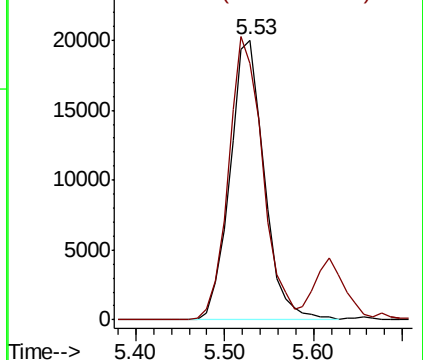
#44

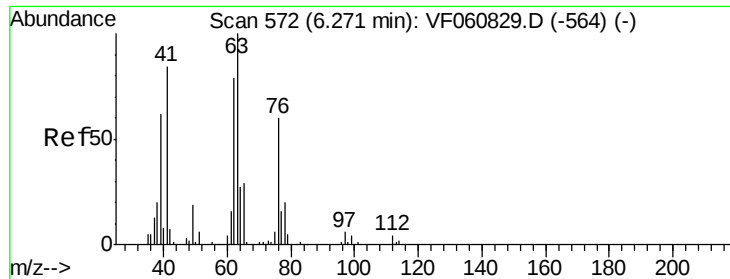
Trichloroethene
 Concen: 21.448 ug/l
 RT: 5.53 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: VF060892.D
 Acq: 3 Dec 2018 15:33

Tgt Ion: 130 Resp: 53712
 Ion Ratio Lower Upper
 130 100
 95 91.8 0.0 195.6



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





#45

1,2-Dichloropropane

Concen: 21.392 ug/l

RT: 6.26 min Scan# 571

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

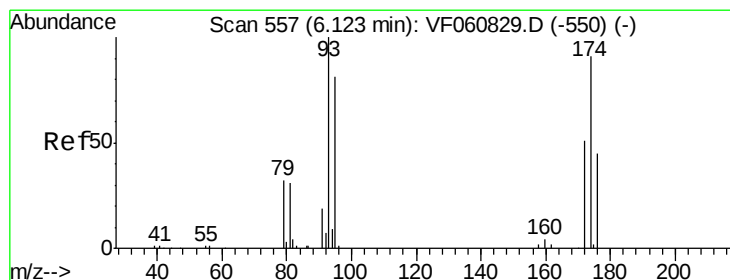
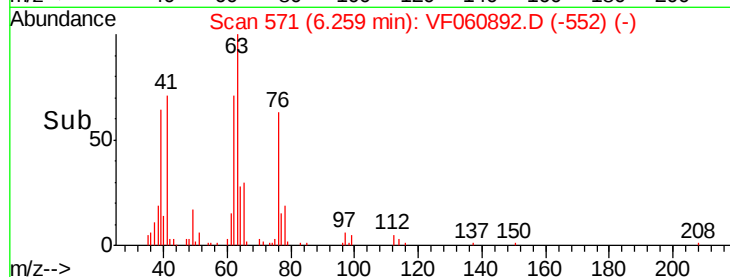
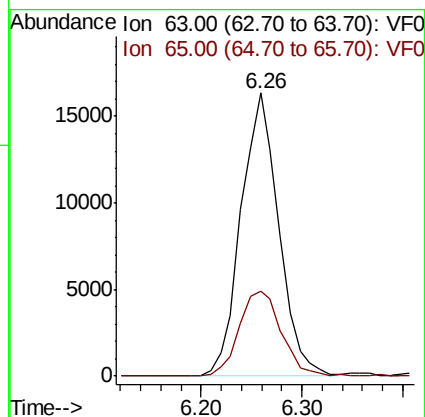
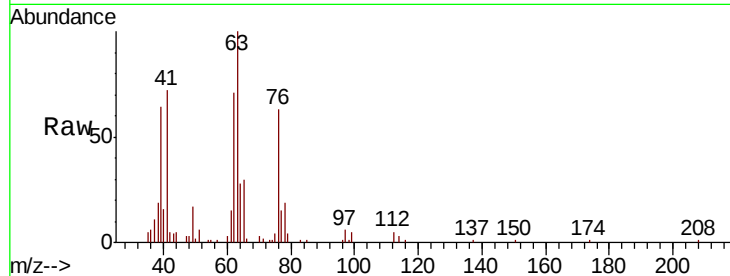
VF1203SBS01

Tot Ion: 63 Resp: 42553

Ion Ratio Lower Upper

63 100

65 30.1 23.2 34.8



#46

Dibromomethane

Concen: 22.377 ug/l

RT: 6.11 min Scan# 556

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

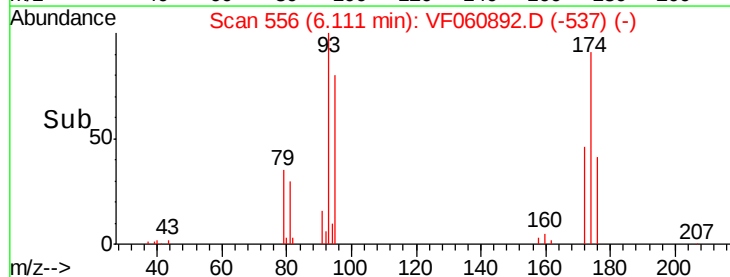
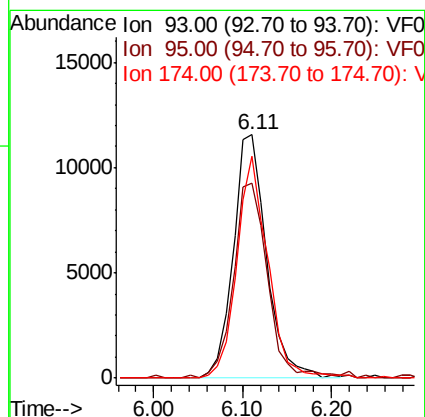
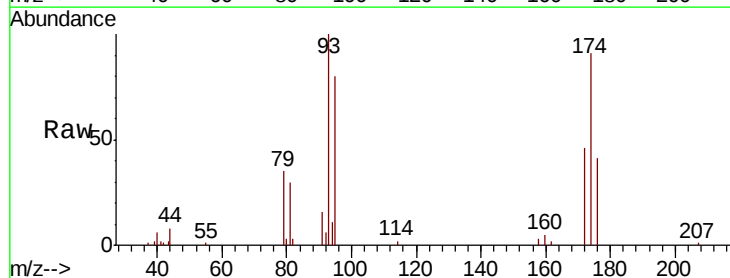
Tgt Ion: 93 Resp: 30196

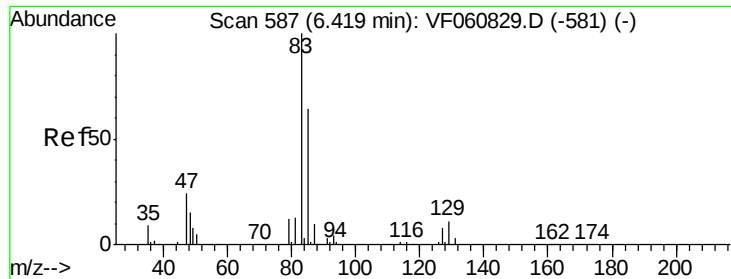
Ion Ratio Lower Upper

93 100

95 80.2 64.7 97.1

174 91.3 73.0 109.6





#47

Bromodichloromethane

Concen: 21.785 ug/l

RT: 6.41 min Scan# 586

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

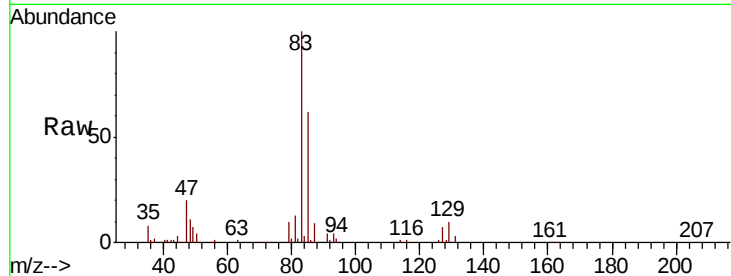
Tot Ion: 83 Resp: 78076

Ion Ratio Lower Upper

83 100

85 61.6 51.1 76.7

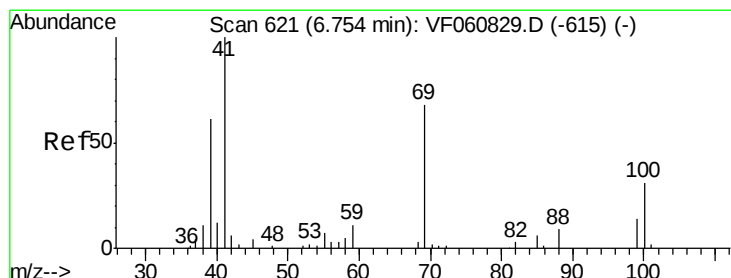
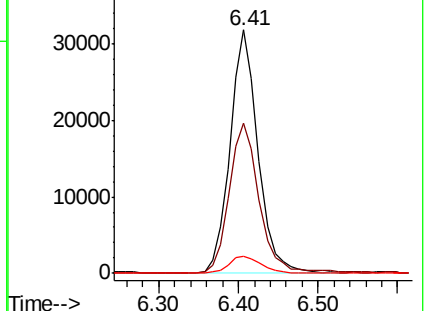
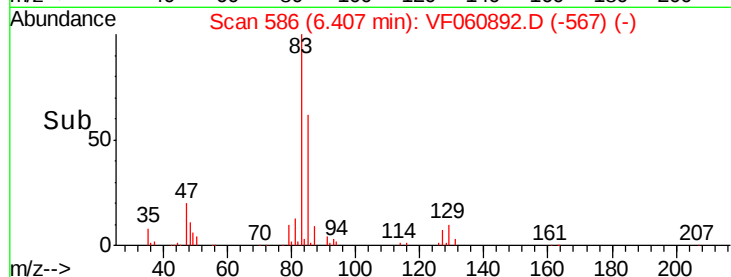
127 7.1 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 20.387 ug/l

RT: 6.74 min Scan# 620

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

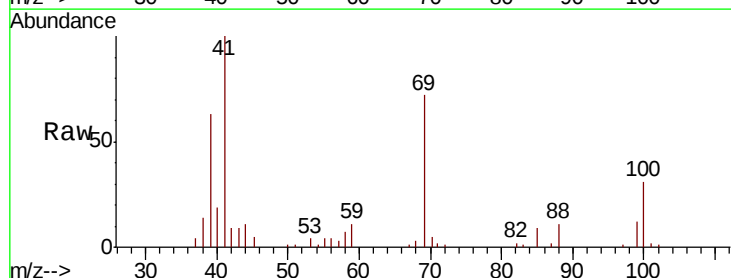
Tgt Ion: 41 Resp: 25999

Ion Ratio Lower Upper

41 100

69 72.3 53.9 80.9

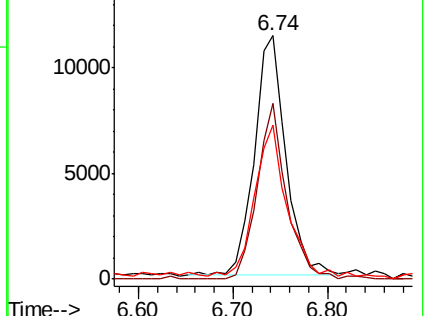
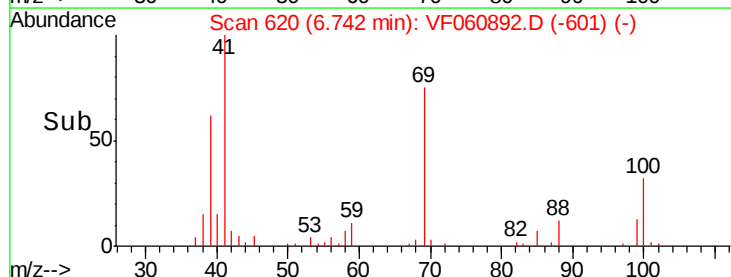
39 63.3 49.0 73.6

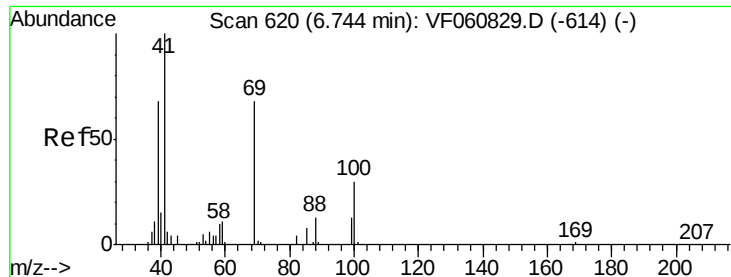


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 526.284 ug/l

RT: 6.73 min Scan# 619

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

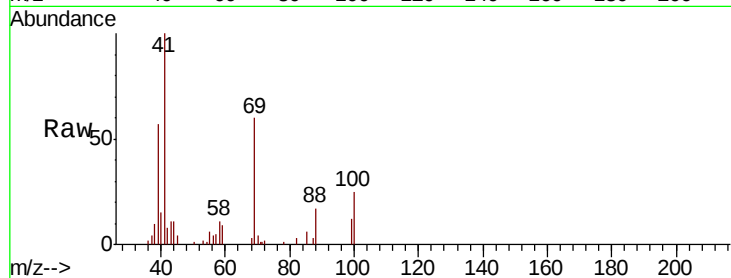
Tot Ion: 88 Resp: 4912

Ion Ratio Lower Upper

88 100

43 65.6 42.0 63.0#

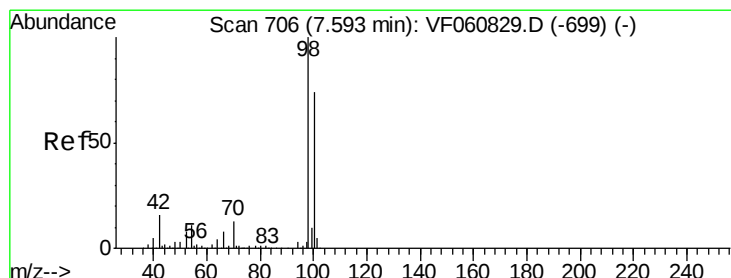
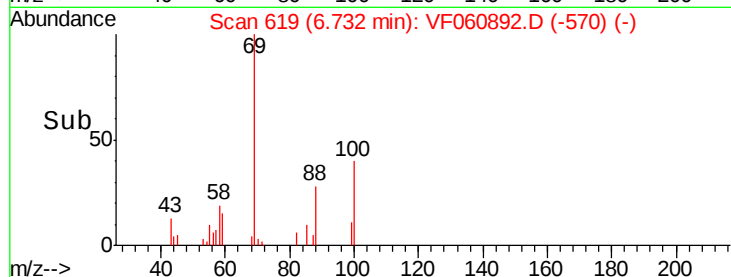
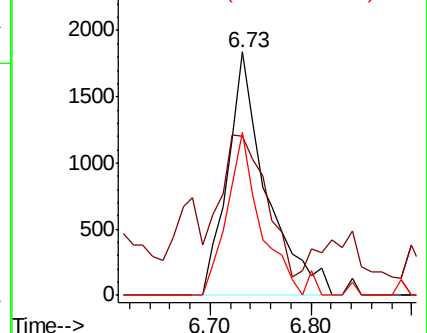
58 67.2 61.8 92.8



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: 48.001 ug/l

RT: 7.57 min Scan# 704

Delta R.T. -0.02 min

Lab File: VF060892.D

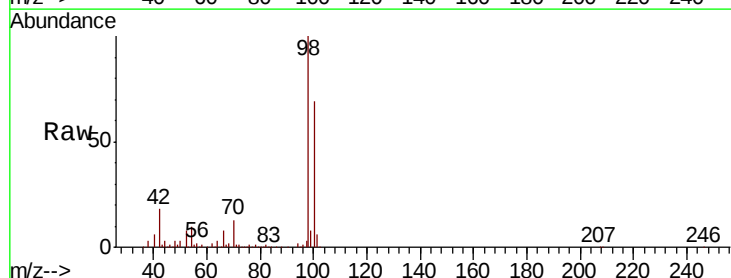
Acq: 3 Dec 2018 15:33

Tgt Ion: 98 Resp: 350621

Ion Ratio Lower Upper

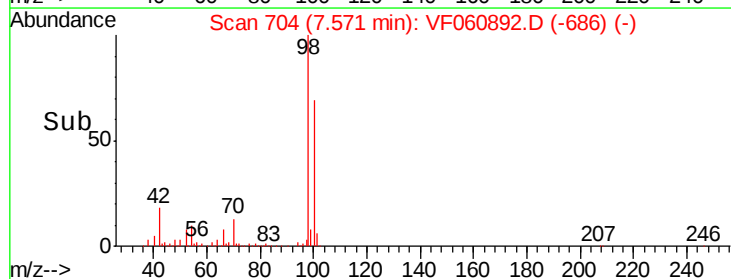
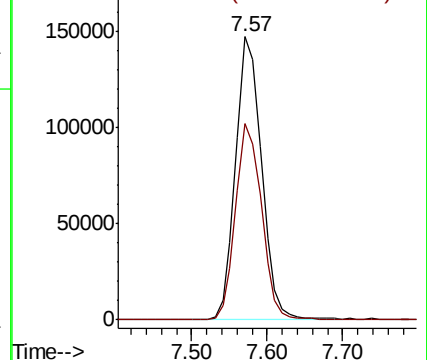
98 100

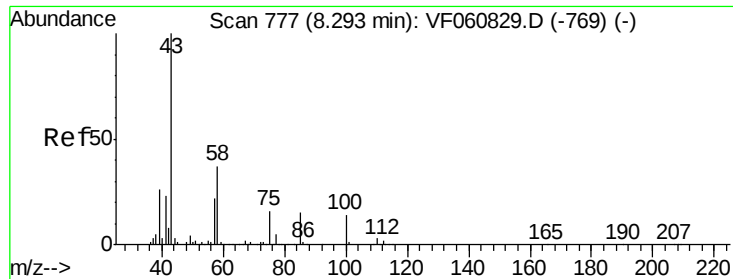
100 69.4 59.3 88.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 107.460 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

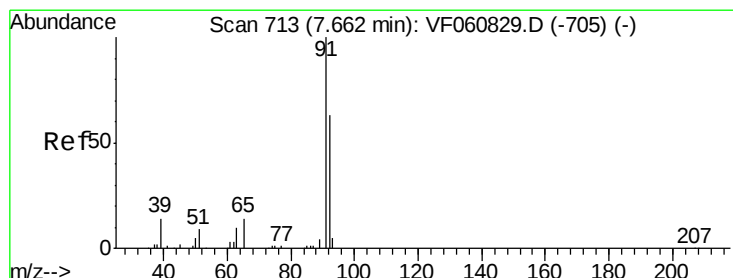
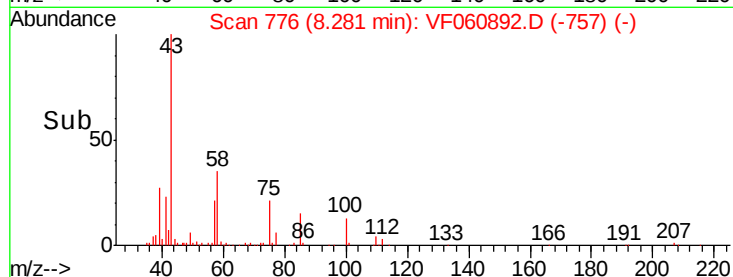
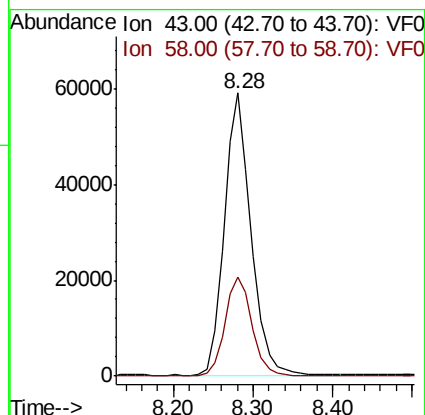
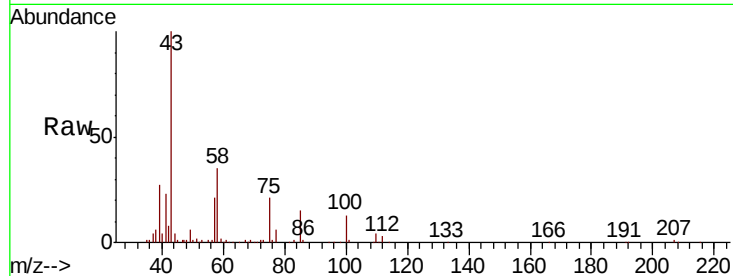
VF1203SBS01

Tot Ion: 43 Resp: 139613

Ion Ratio Lower Upper

43 100

58 34.8 29.7 44.5



#52

Toluene

Concen: 19.010 ug/l

RT: 7.65 min Scan# 712

Delta R.T. -0.01 min

Lab File: VF060892.D

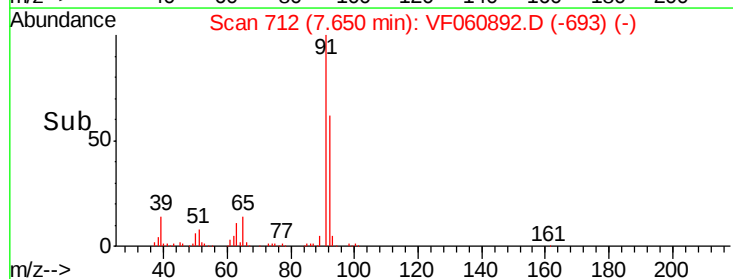
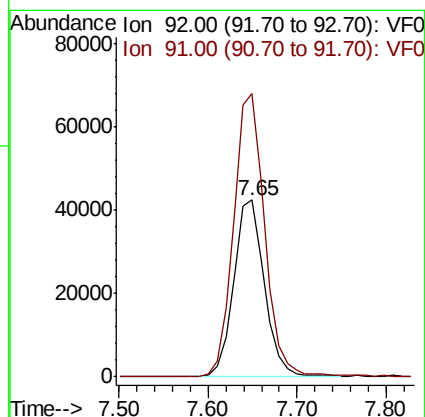
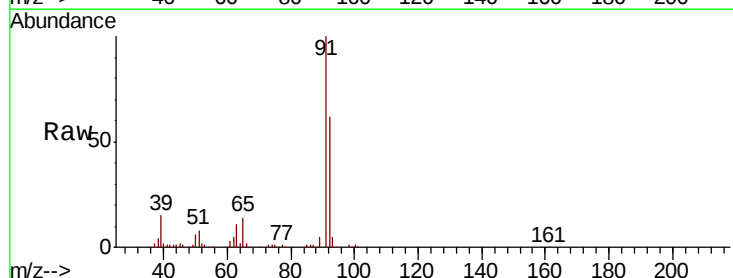
Acq: 3 Dec 2018 15:33

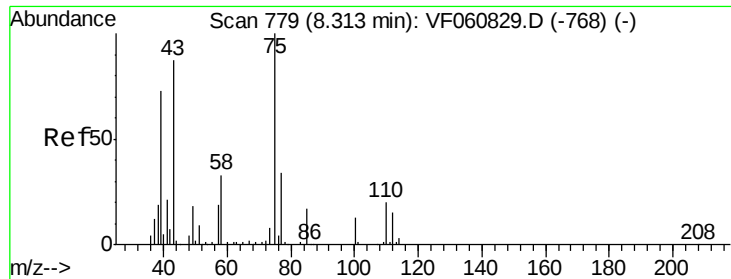
Tgt Ion: 92 Resp: 102275

Ion Ratio Lower Upper

92 100

91 160.1 126.2 189.2

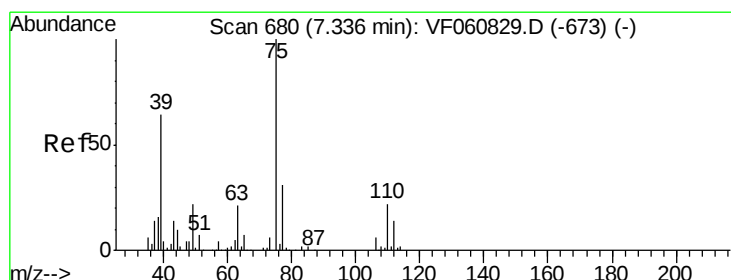
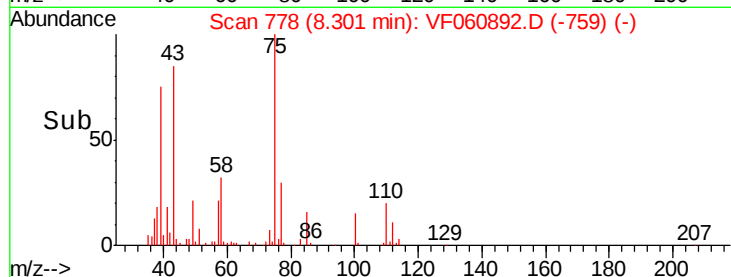
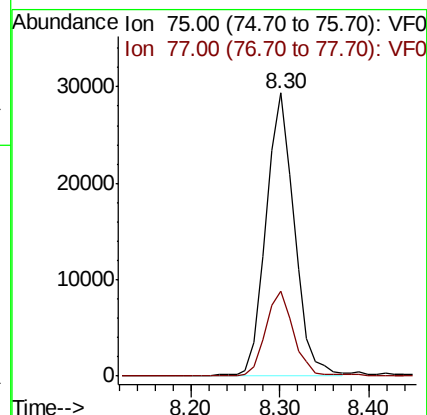
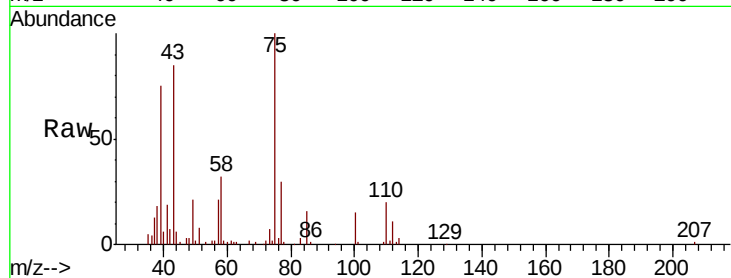




#53
 t-1,3-Dichloropropene
 Concen: 22.179 ug/l
 RT: 8.30 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: VF060892.D
 Acq: 3 Dec 2018 15:33

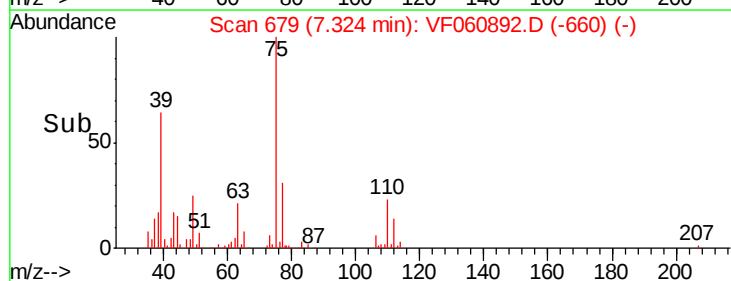
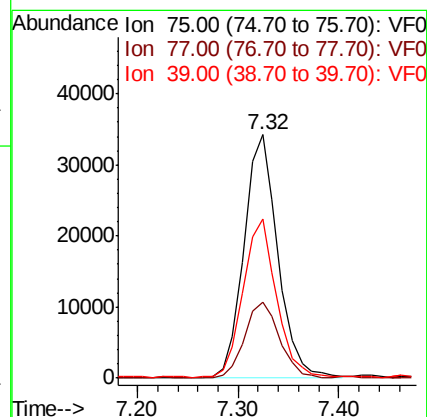
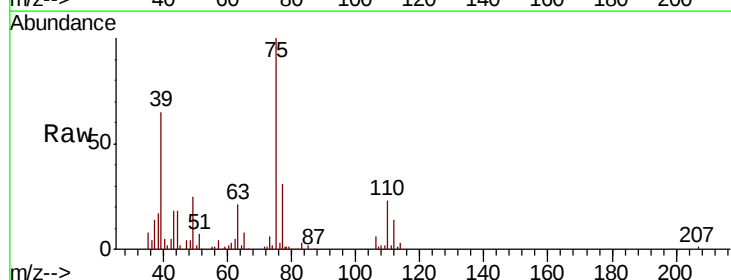
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

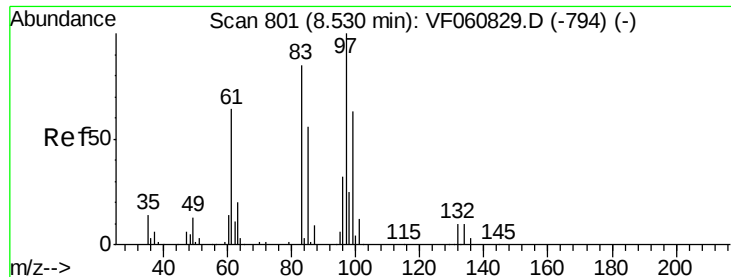
Tot Ion: 75 Resp: 64659
 Ion Ratio Lower Upper
 75 100
 77 30.1 27.4 41.2



#54
 cis-1,3-Dichloropropene
 Concen: 22.149 ug/l
 RT: 7.32 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: VF060892.D
 Acq: 3 Dec 2018 15:33

Tgt Ion: 75 Resp: 79936
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.0 37.6
 39 65.4 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 21.251 ug/l

RT: 8.51 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion: 97 Resp: 33314

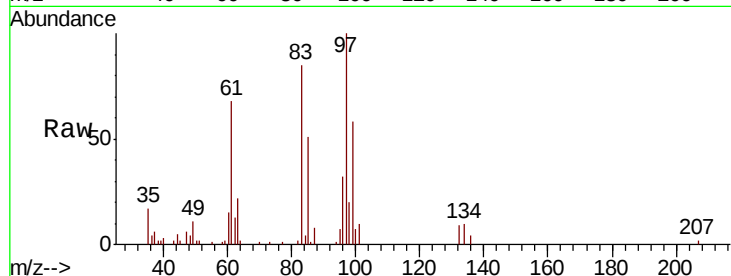
Ion Ratio Lower Upper

97 100

83 85.3 67.8 101.6

85 51.1 45.0 67.6

99 57.9 50.5 75.7

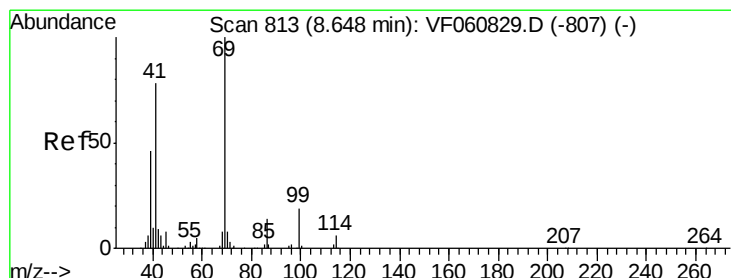
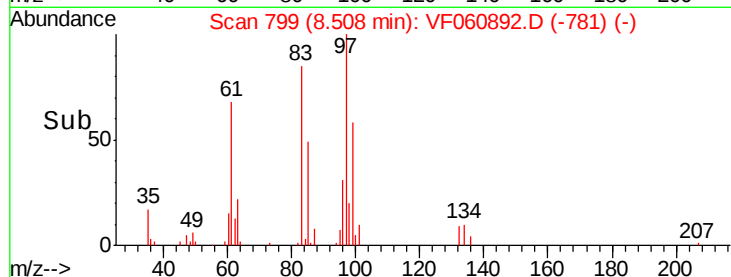
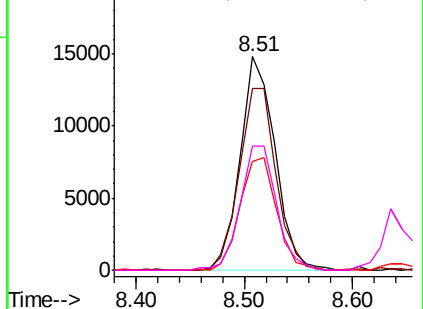


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 20.939 ug/l

RT: 8.64 min Scan# 812

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

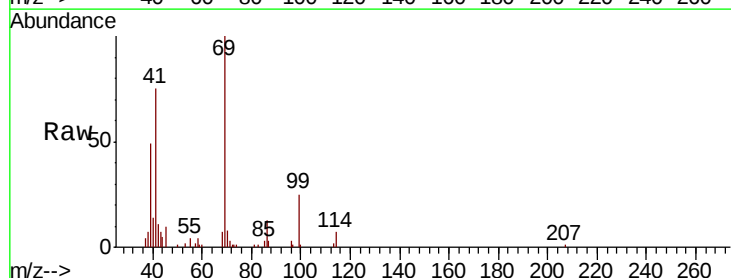
Tgt Ion: 69 Resp: 36465

Ion Ratio Lower Upper

69 100

41 74.9 62.6 94.0

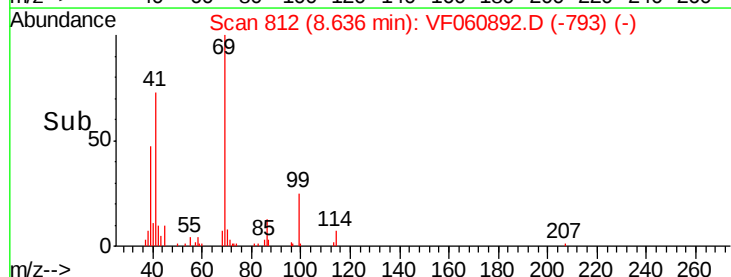
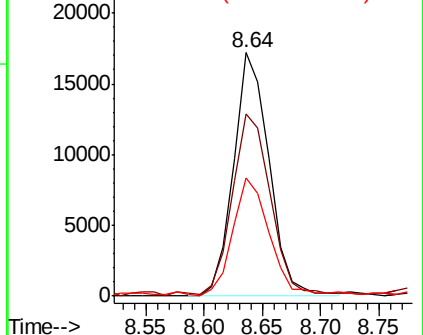
39 48.6 37.8 56.6

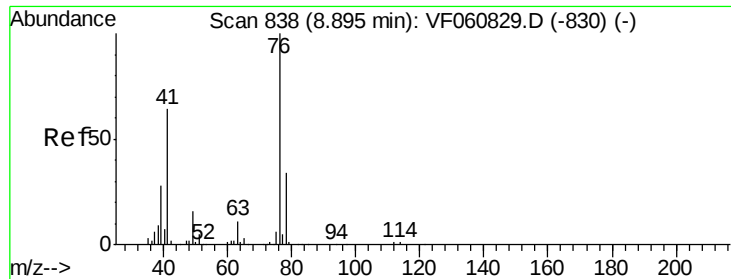


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.371 ug/l

RT: 8.87 min Scan# 836

Delta R.T. -0.02 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

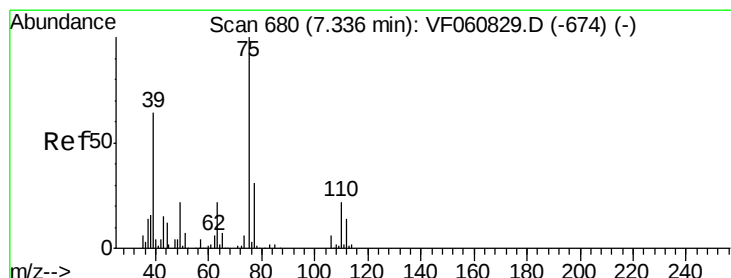
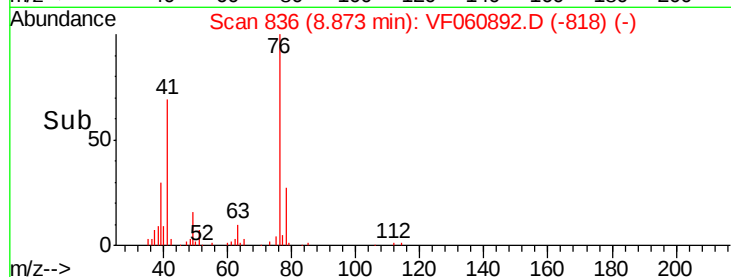
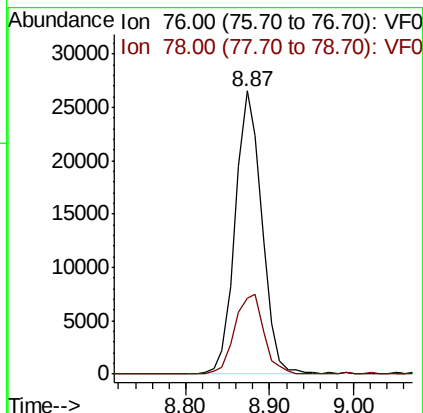
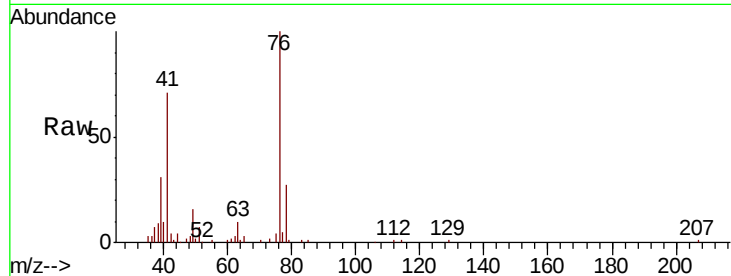
VF1203SBS01

Tot Ion: 76 Resp: 58613

Ion Ratio Lower Upper

76 100

78 26.7 27.0 40.4#



#58

2-Chloroethyl Vinyl ether

Concen: 105.987 ug/l

RT: 7.31 min Scan# 678

Delta R.T. -0.02 min

Lab File: VF060892.D

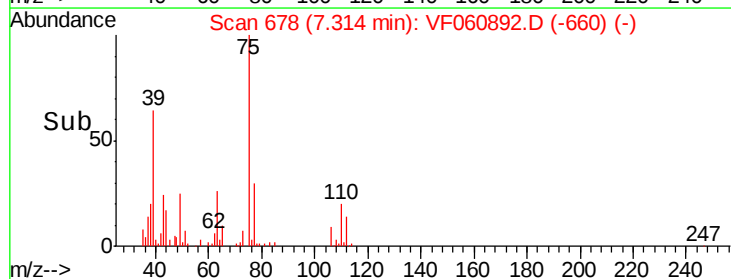
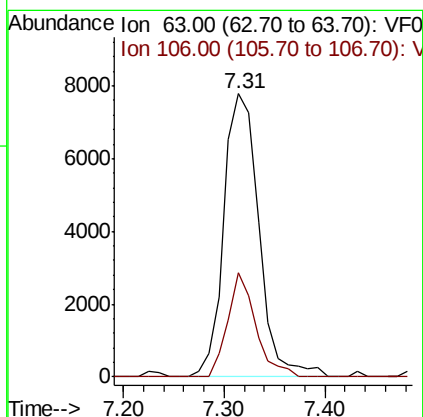
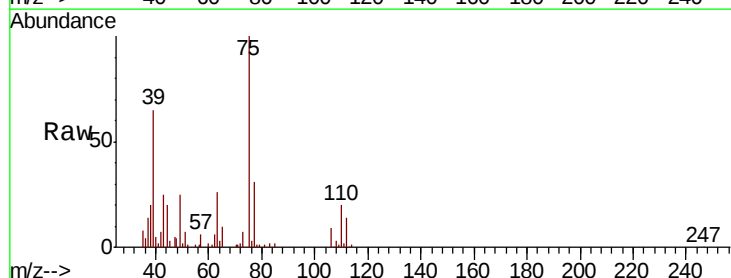
Acq: 3 Dec 2018 15:33

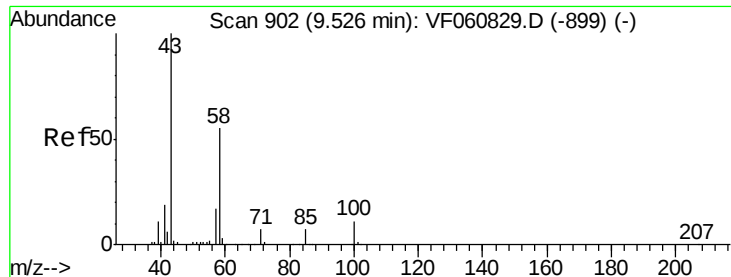
Tgt Ion: 63 Resp: 18879

Ion Ratio Lower Upper

63 100

106 37.0 23.0 34.6#

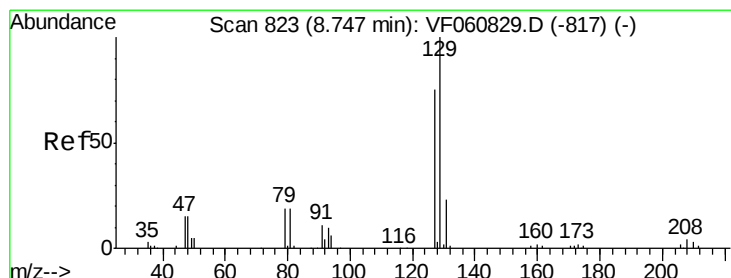
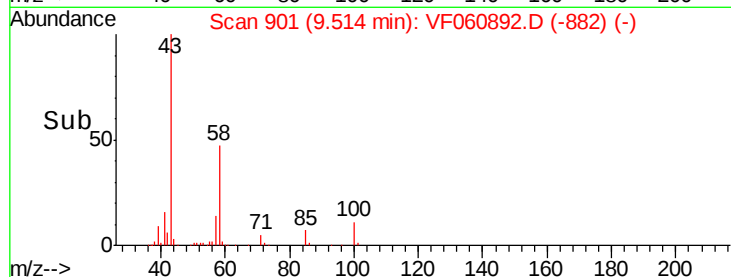
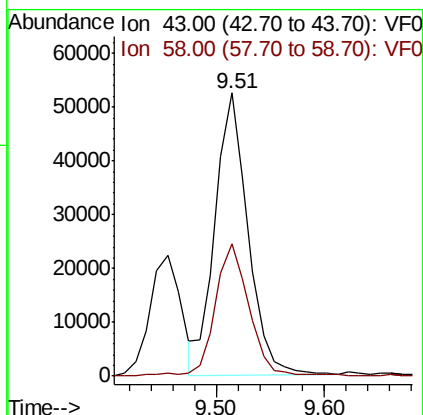
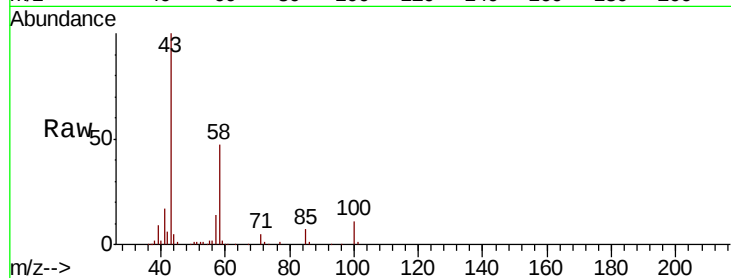




#59
2-Hexanone
Concen: 121.240 ug/l
RT: 9.51 min Scan# 901
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

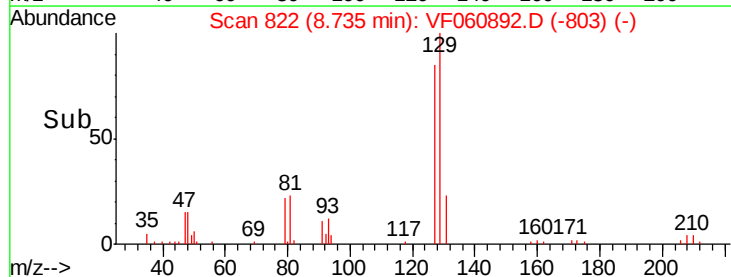
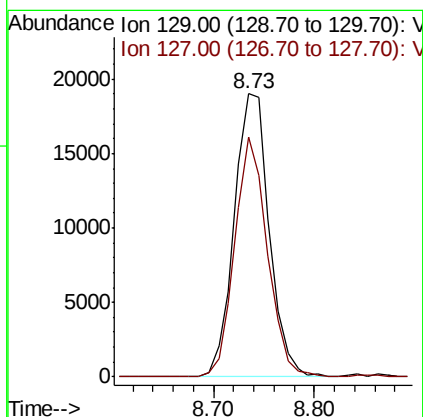
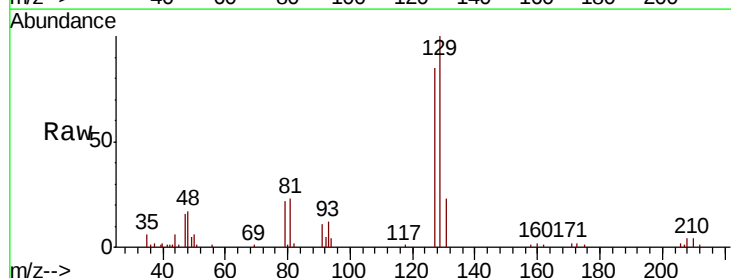
Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

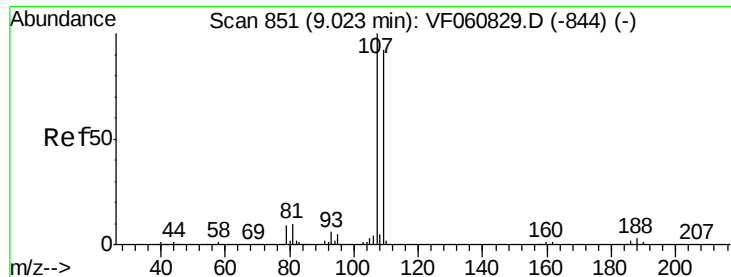
Tot Ion: 43 Resp: 110507
Ion Ratio Lower Upper
43 100
58 46.9 25.6 76.6



#60
Dibromochloromethane
Concen: 19.664 ug/l
RT: 8.73 min Scan# 822
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Tgt Ion:129 Resp: 45929
Ion Ratio Lower Upper
129 100
127 84.8 37.3 111.9





#61

1,2-Dibromoethane

Concen: 20.802 ug/l

RT: 9.01 min Scan# 850

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

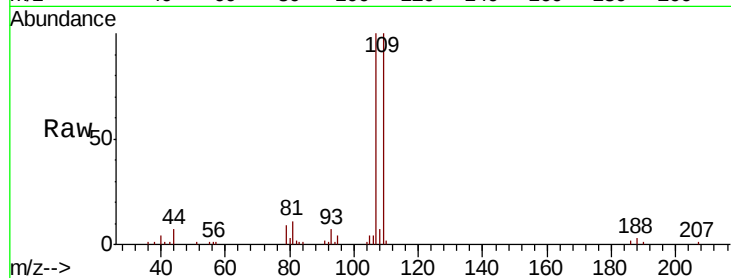
VF1203SBS01

Tot Ion:107 Resp: 35228

Ion Ratio Lower Upper

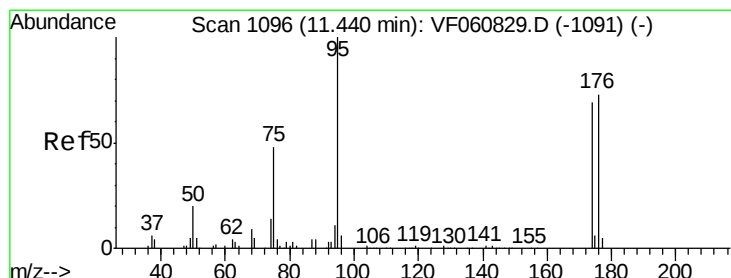
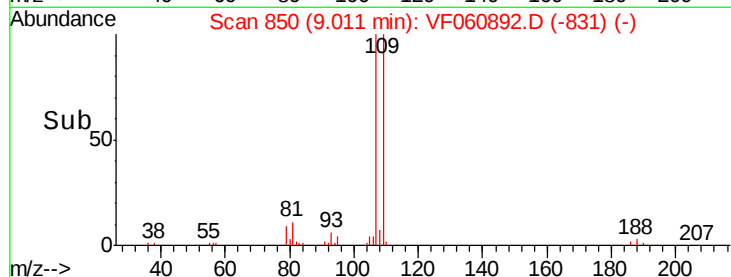
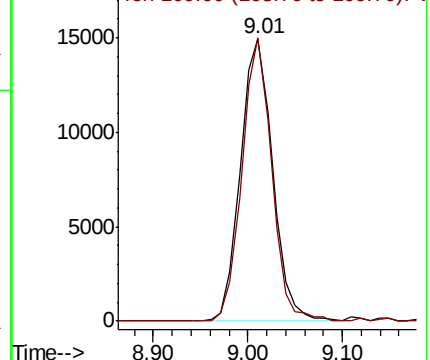
107 100

109 100.3 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: 51.457 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

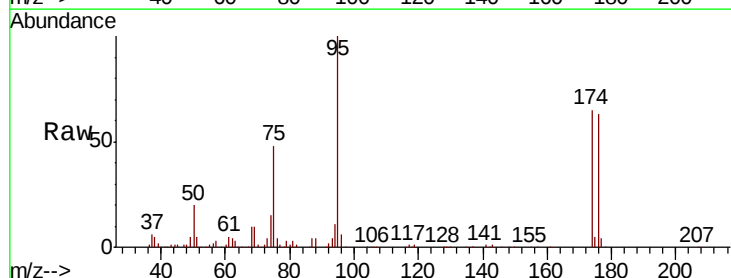
Tgt Ion: 95 Resp: 170827

Ion Ratio Lower Upper

95 100

174 65.1 0.0 138.2

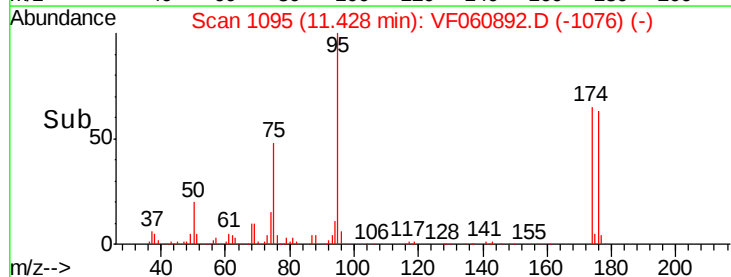
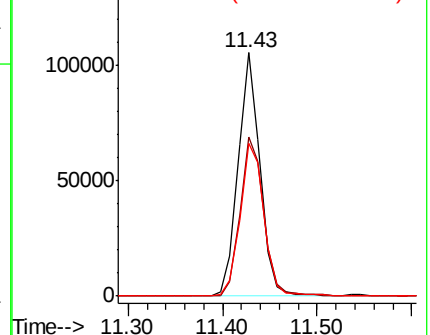
176 63.0 0.0 146.2

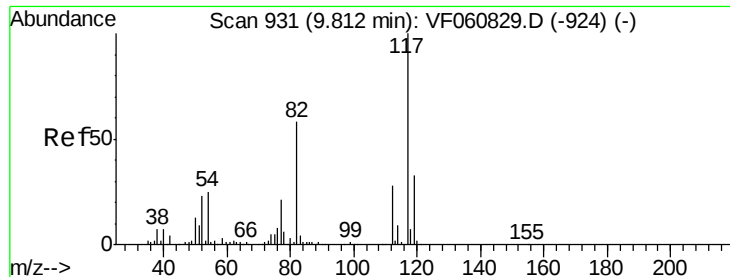


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

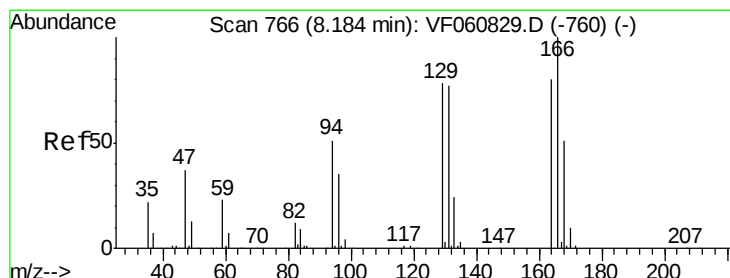
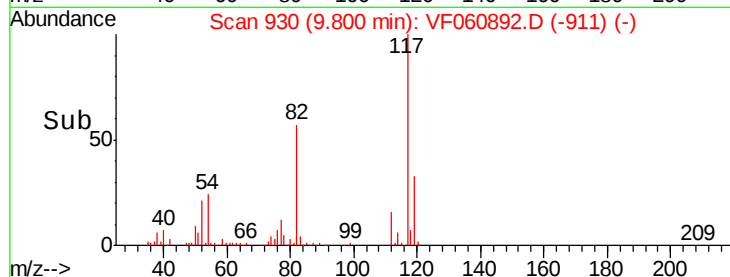
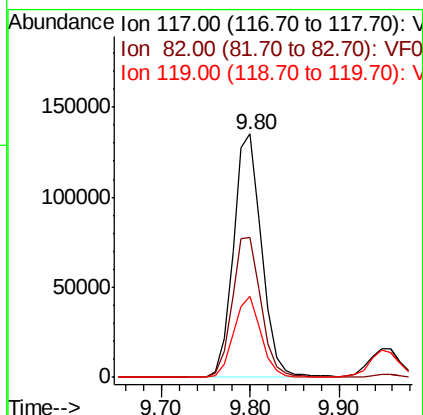
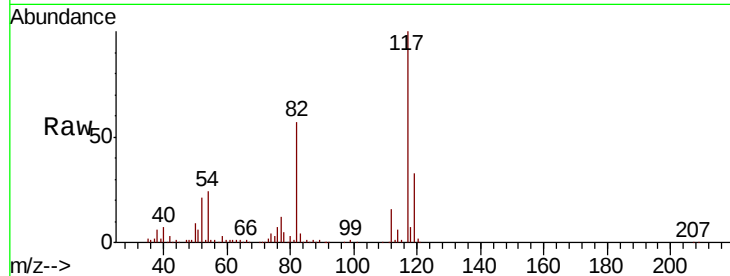




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

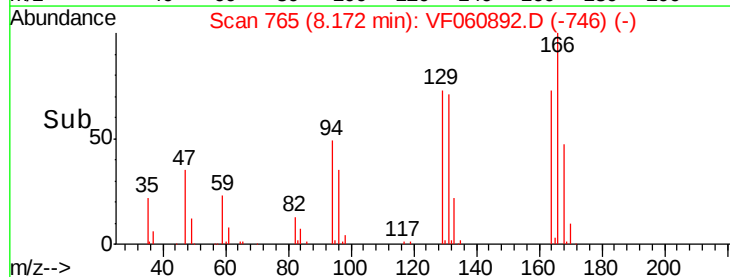
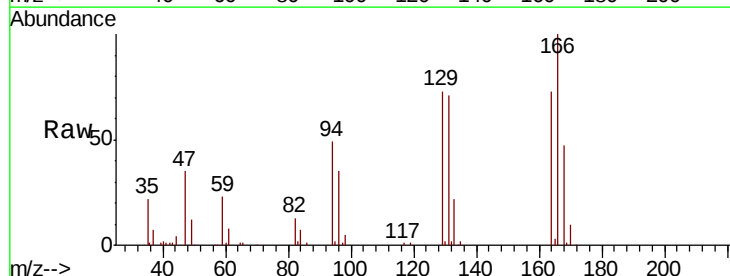
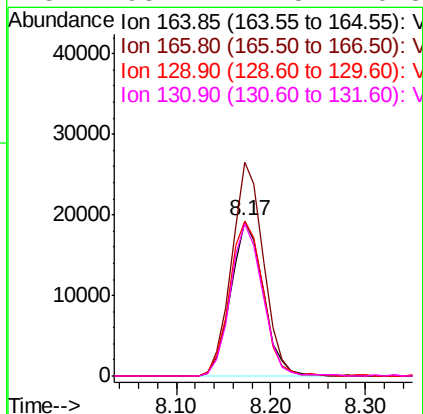
Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

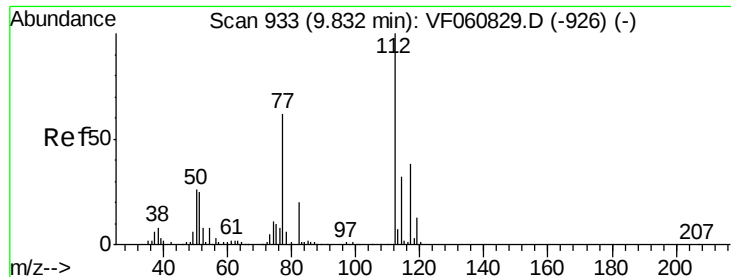
Tot Ion:117 Resp: 298164
Ion Ratio Lower Upper
117 100
82 57.4 46.6 69.8
119 33.3 26.4 39.6



#64
Tetrachloroethene
Concen: 20.023 ug/l
RT: 8.17 min Scan# 765
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Tgt Ion:164 Resp: 45600
Ion Ratio Lower Upper
164 100
166 137.8 100.3 150.5
129 100.3 77.9 116.9
131 98.4 77.5 116.3





#65

Chlorobenzene

Concen: 21.524 ug/l

RT: 9.82 min Scan# 932

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

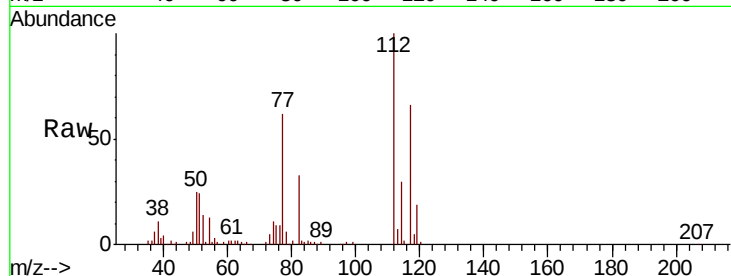
VF1203SBS01

Tot Ion:112 Resp: 124850

Ion Ratio Lower Upper

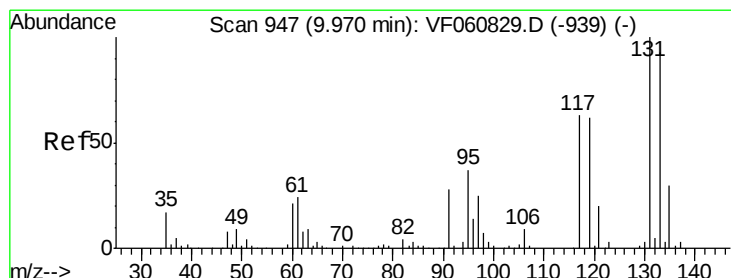
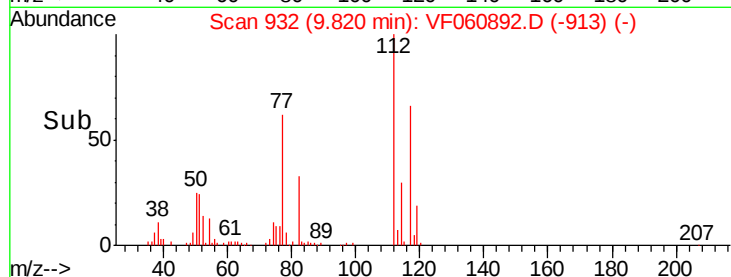
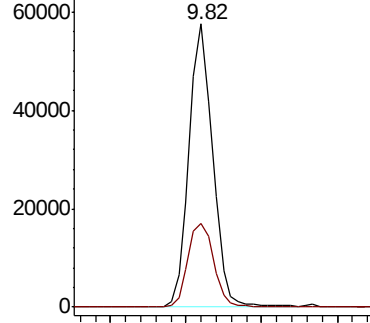
112 100

114 29.8 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: 21.248 ug/l

RT: 9.96 min Scan# 946

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

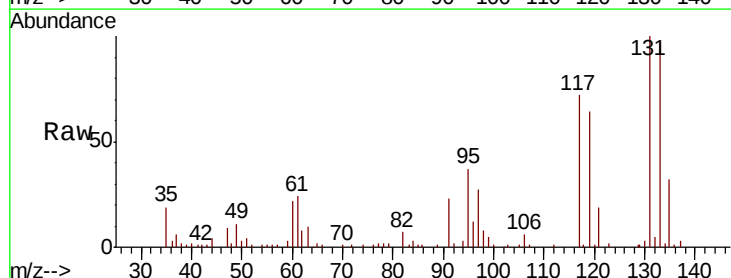
Tgt Ion:131 Resp: 52984

Ion Ratio Lower Upper

131 100

133 97.3 46.5 139.3

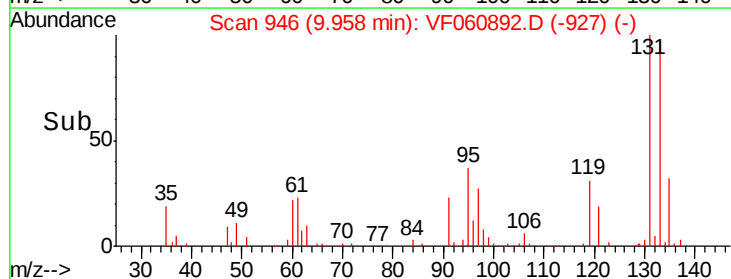
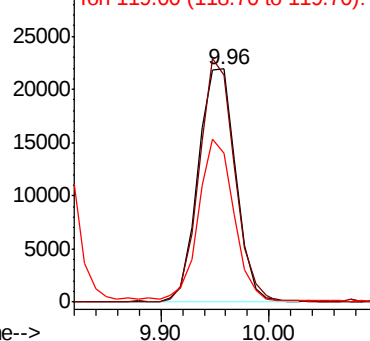
119 64.2 31.1 93.3

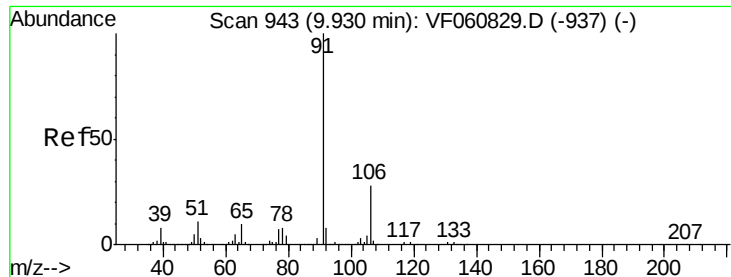


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

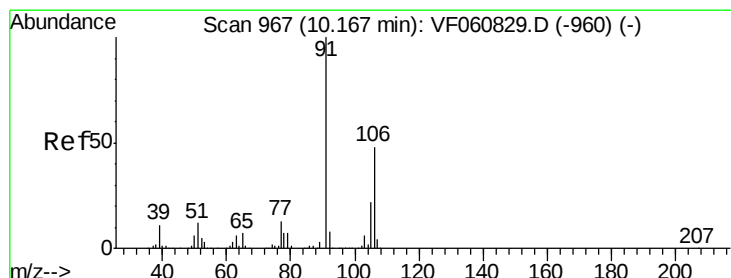
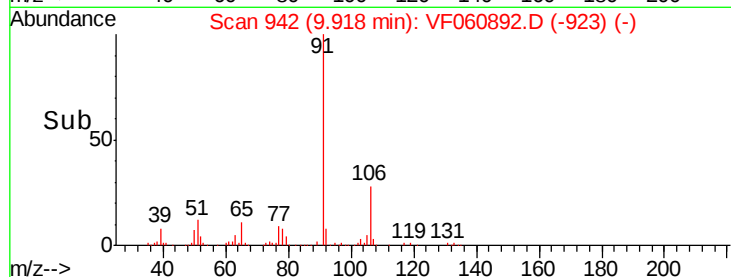
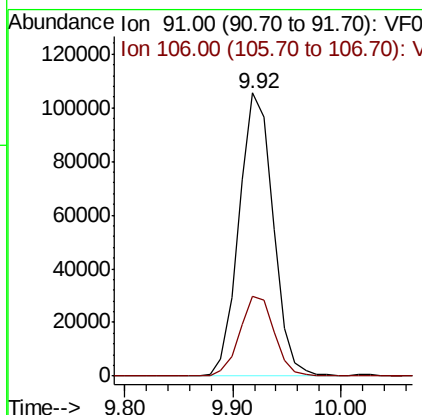
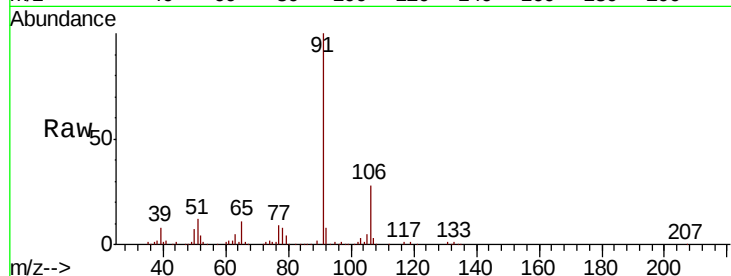




#67
Ethyl Benzene
Concen: 21.526 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

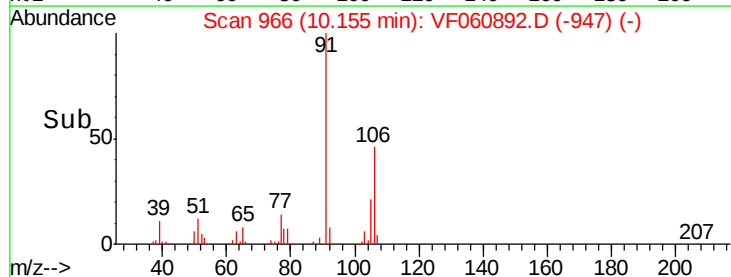
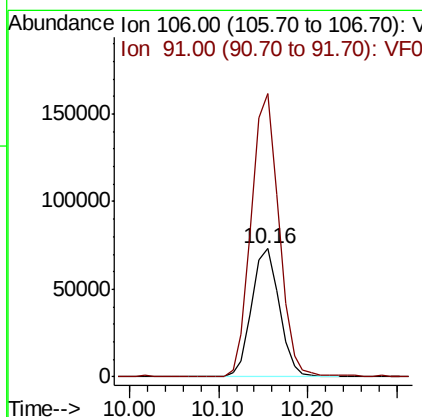
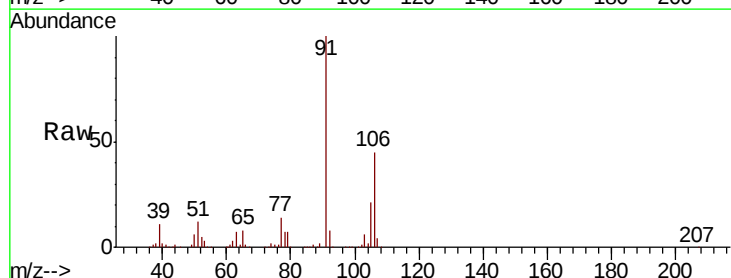
Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

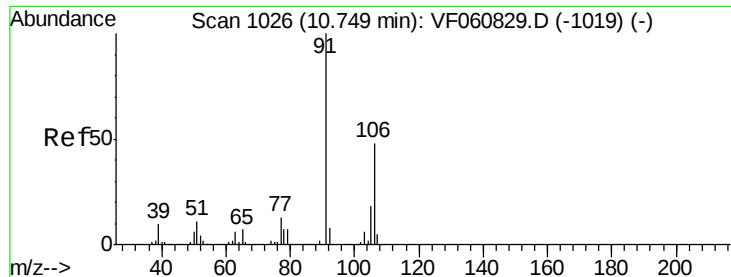
Tot Ion: 91 Resp: 232457
Ion Ratio Lower Upper
91 100
106 28.1 22.2 33.2



#68
m/p-Xylenes
Concen: 40.490 ug/l
RT: 10.16 min Scan# 966
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Tgt Ion: 106 Resp: 157256
Ion Ratio Lower Upper
106 100
91 220.4 166.7 250.1

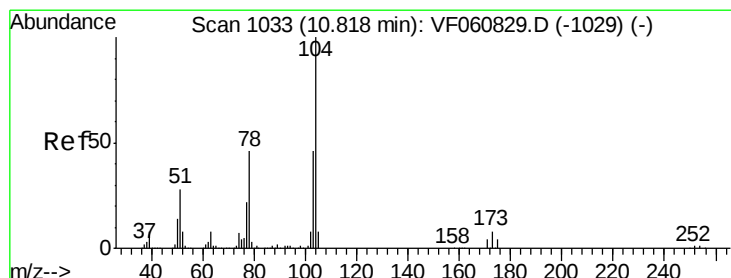
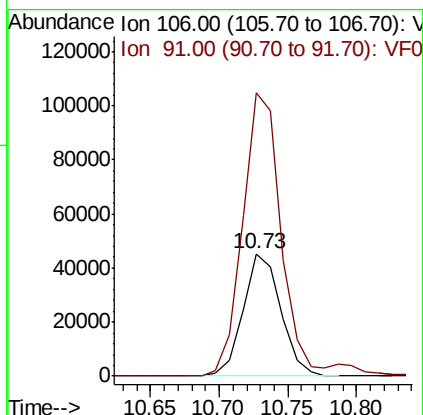
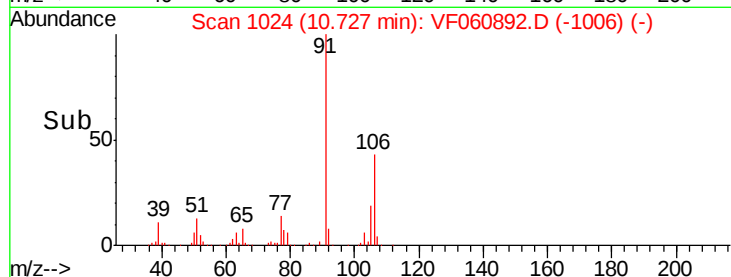
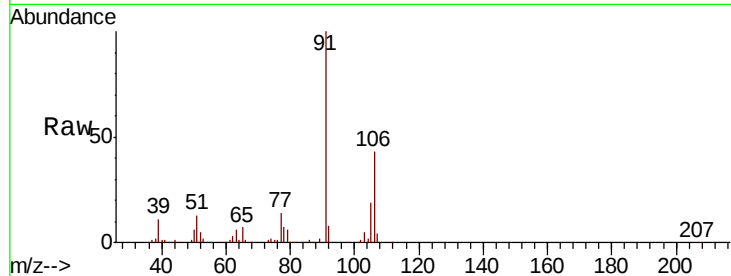




#69
o-Xylene
Concen: 20.236 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. -0.02 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

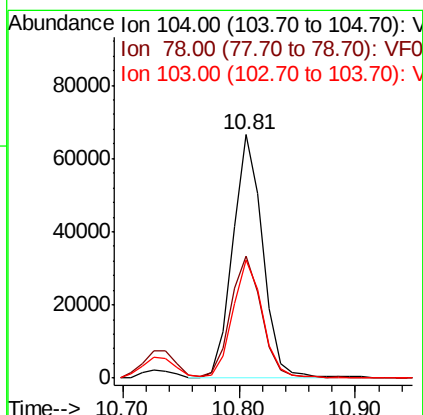
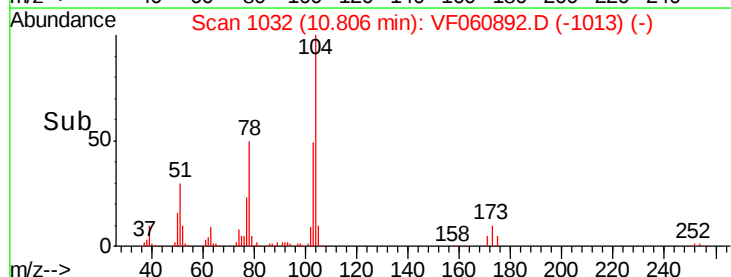
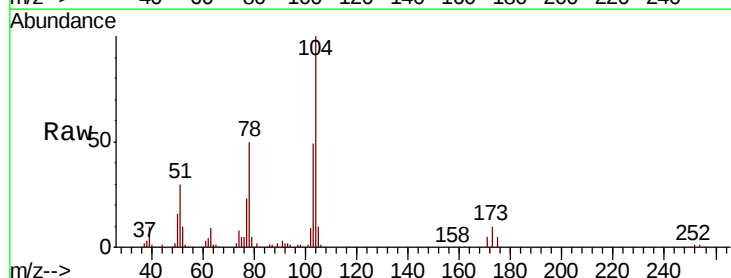
Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

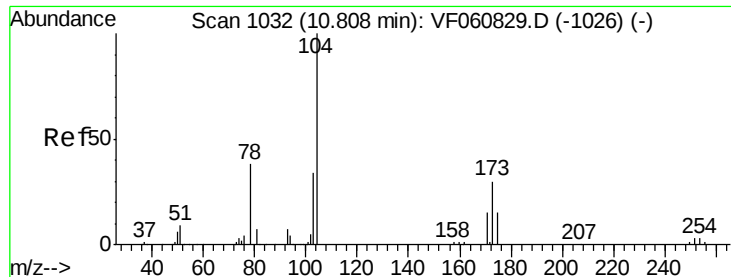
Tot Ion:106 Resp: 86666
Ion Ratio Lower Upper
106 100
91 231.2 104.8 314.6



#70
Styrene
Concen: 19.662 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Tgt Ion:104 Resp: 116731
Ion Ratio Lower Upper
104 100
78 50.3 37.3 55.9
103 48.8 36.8 55.2





#71

Bromoform

Concen: 21.341 ug/l

RT: 10.79 min Scan# 1030

Delta R.T. -0.02 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

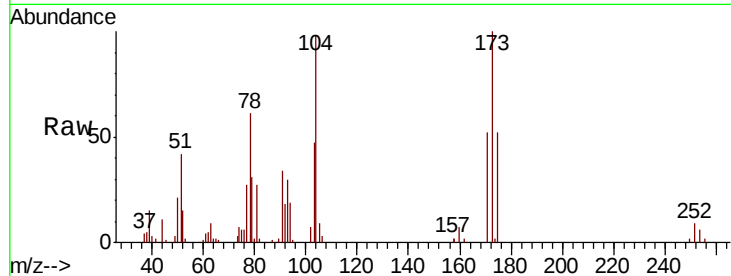
Tot Ion:173 Resp: 25705

Ion Ratio Lower Upper

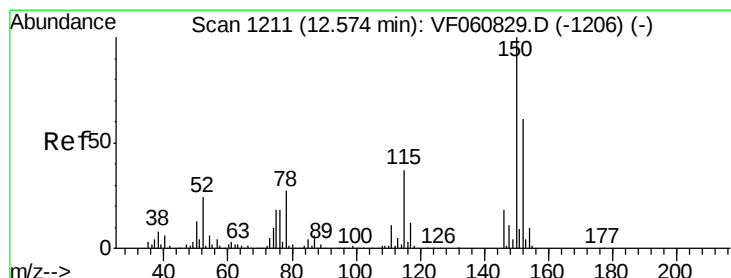
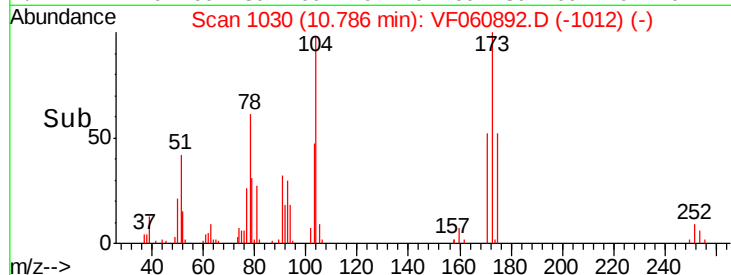
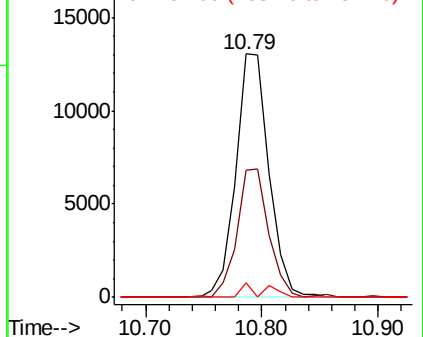
173 100

175 52.2 25.5 76.5

254 5.8 7.5 11.3#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

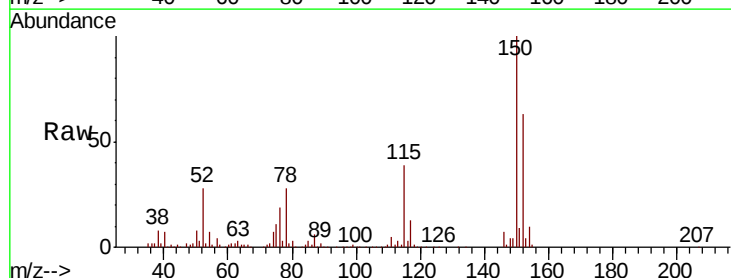
Tgt Ion:152 Resp: 154961

Ion Ratio Lower Upper

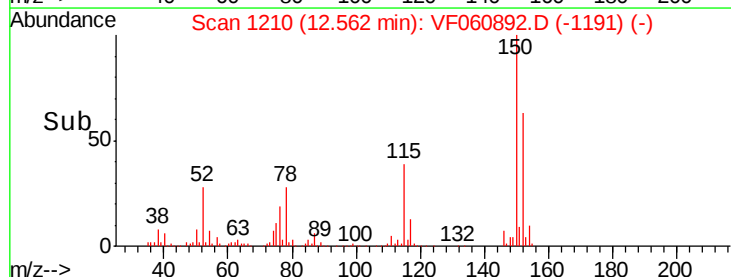
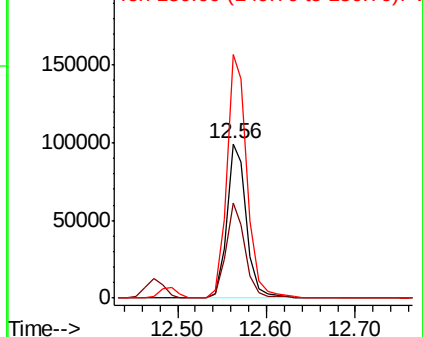
152 100

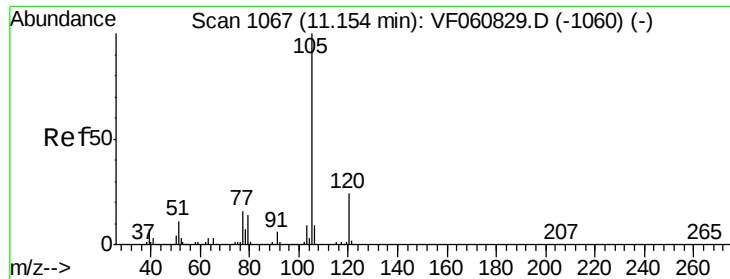
115 61.8 30.1 90.5

150 157.6 0.0 327.6



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





#73

Isopropylbenzene

Concen: 21.653 ug/l

RT: 11.14 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

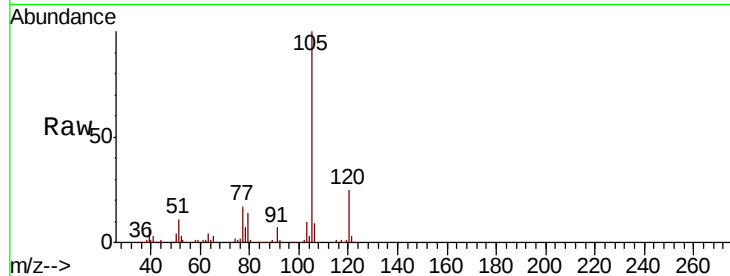
VF1203SBS01

Tot Ion:105 Resp: 265156

Ion Ratio Lower Upper

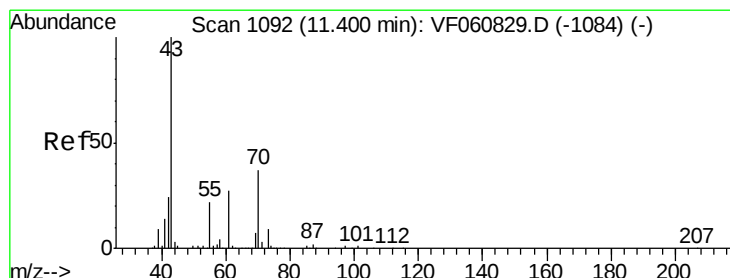
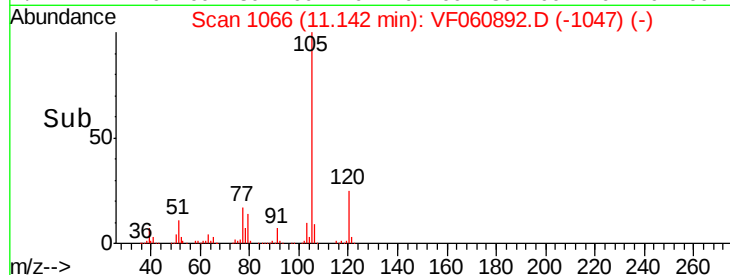
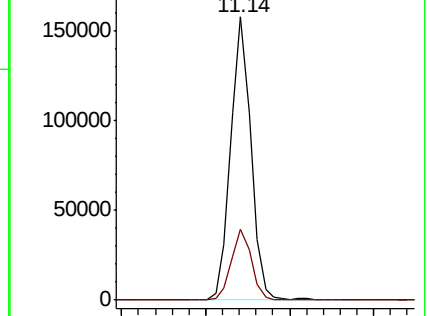
105 100

120 25.2 12.2 36.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.738 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Tgt Ion: 43 Resp: 61471

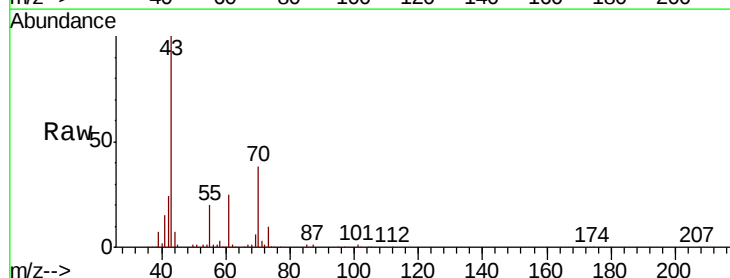
Ion Ratio Lower Upper

43 100

70 38.0 29.6 44.4

55 20.5 17.2 25.8

61 24.8 21.8 32.6

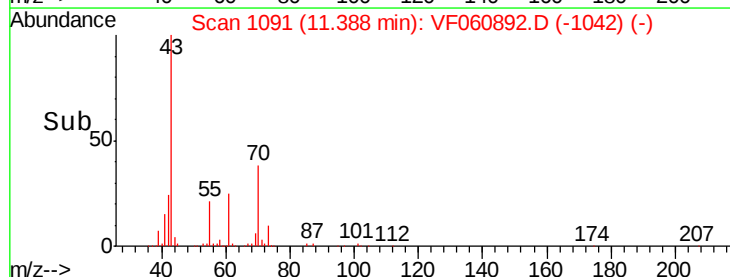
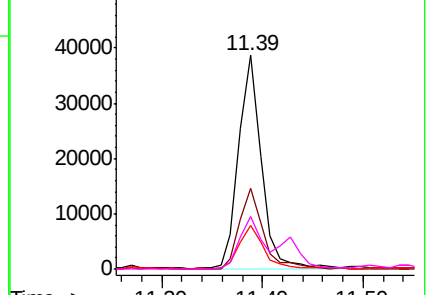


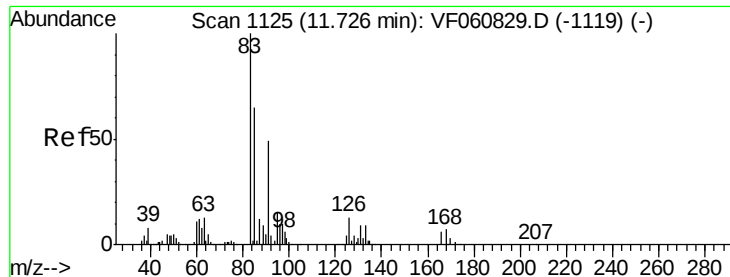
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 23.102 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

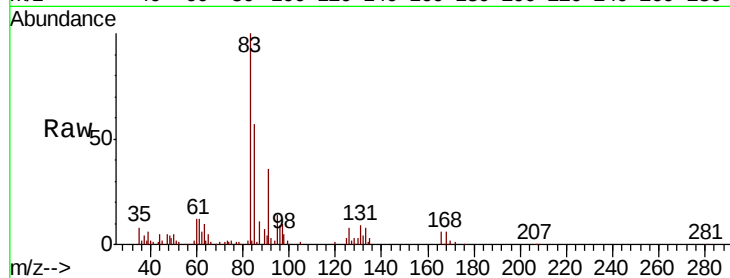
Tot Ion: 83 Resp: 46560

Ion Ratio Lower Upper

83 100

131 8.6 4.7 14.1

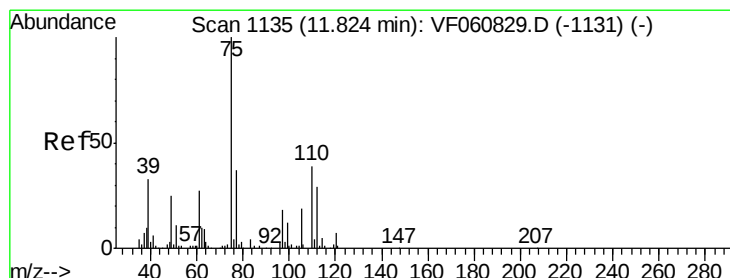
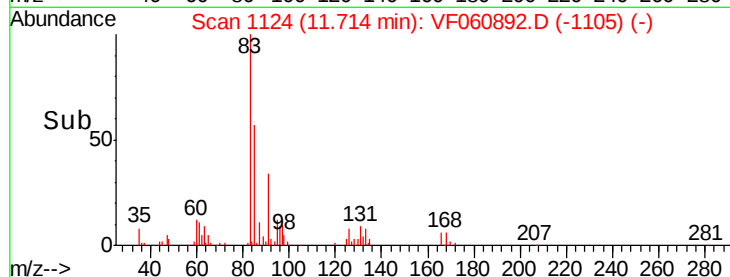
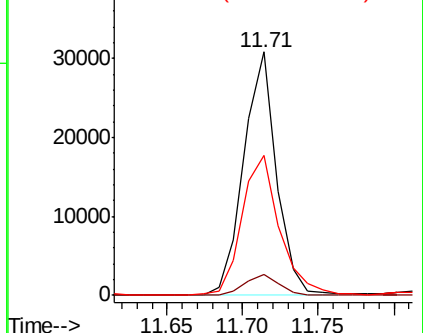
85 57.5 32.6 97.8



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 22.648 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF060892.D

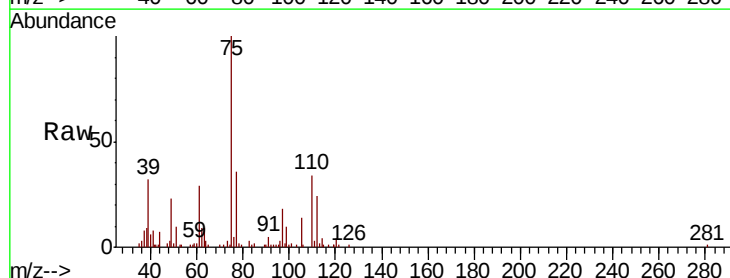
Acq: 3 Dec 2018 15:33

Tgt Ion: 75 Resp: 33177

Ion Ratio Lower Upper

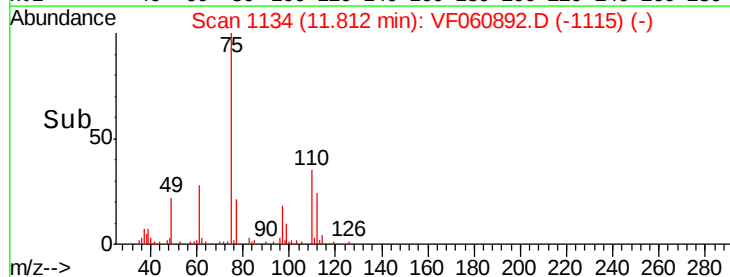
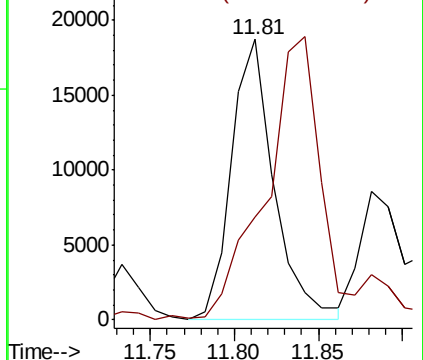
75 100

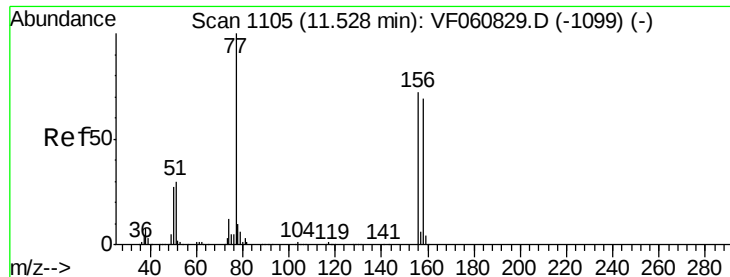
77 36.5 18.4 55.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.569 ug/l

RT: 11.52 min Scan# 1104

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

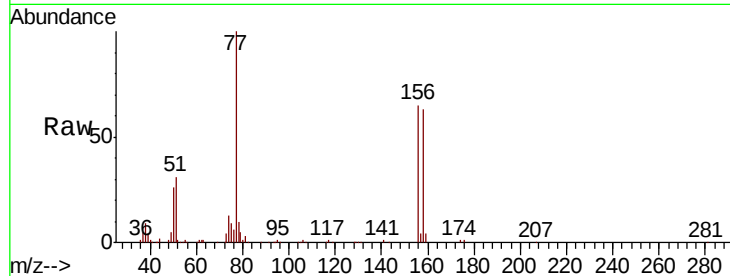
Tot Ion:156 Resp: 55222

Ion Ratio Lower Upper

156 100

77 153.6 69.7 209.0

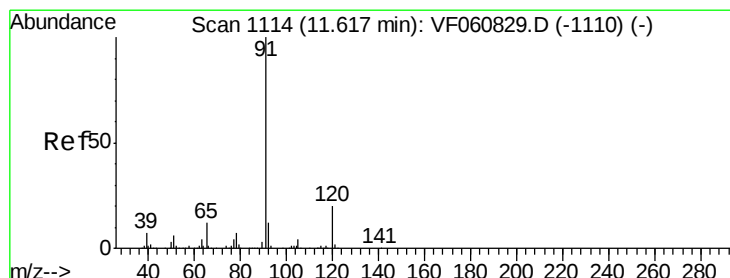
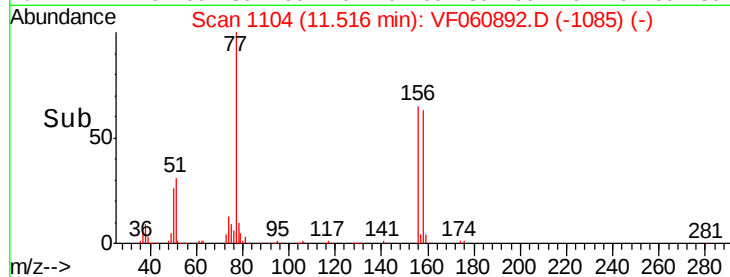
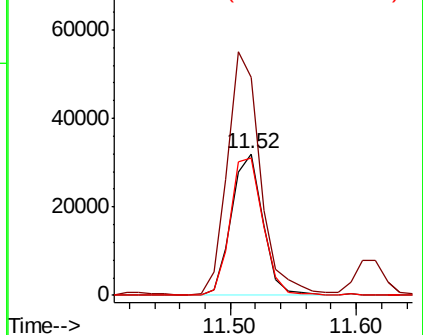
158 96.6 47.8 143.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.076 ug/l

RT: 11.61 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF060892.D

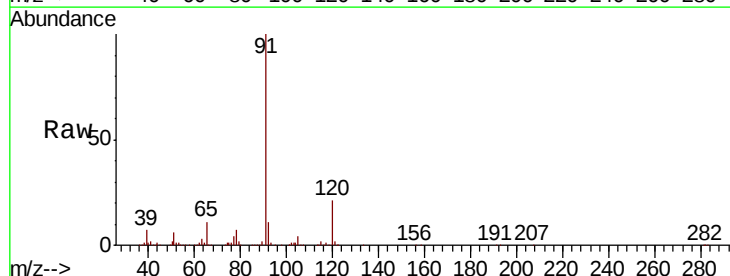
Acq: 3 Dec 2018 15:33

Tgt Ion: 91 Resp: 316594

Ion Ratio Lower Upper

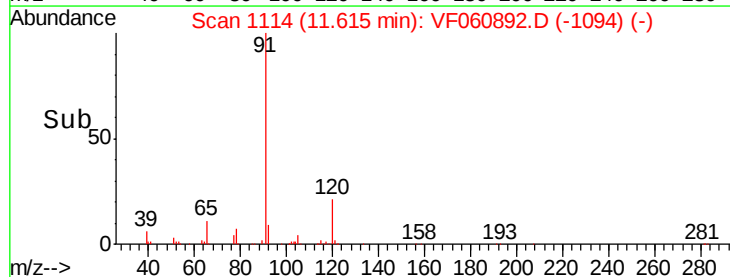
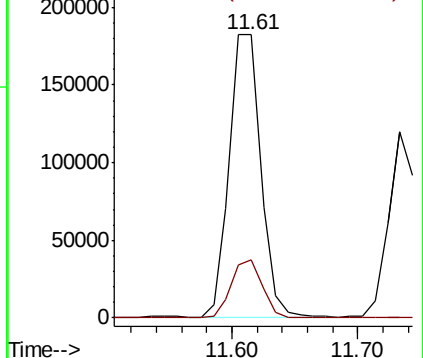
91 100

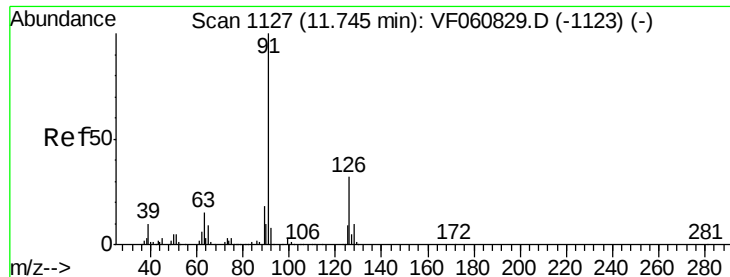
120 20.7 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.694 ug/l

RT: 11.73 min Scan# 1126

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

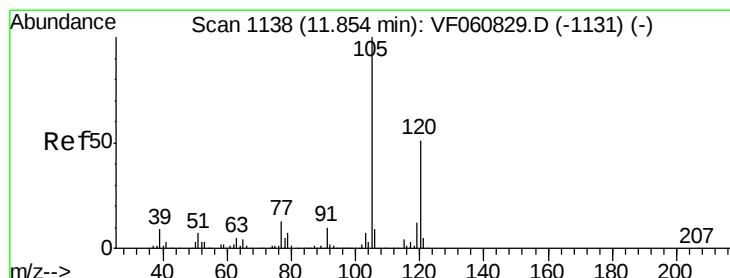
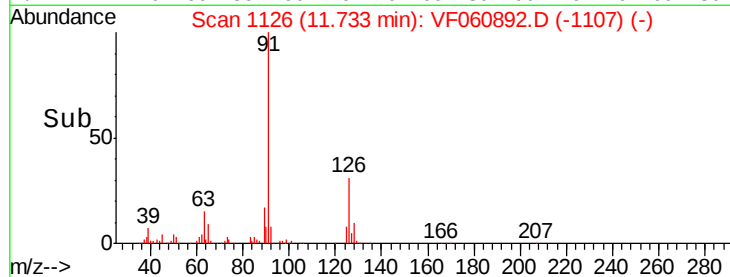
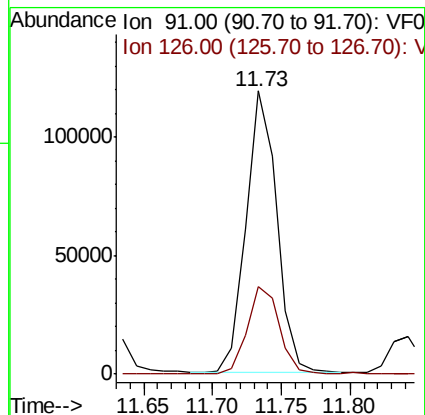
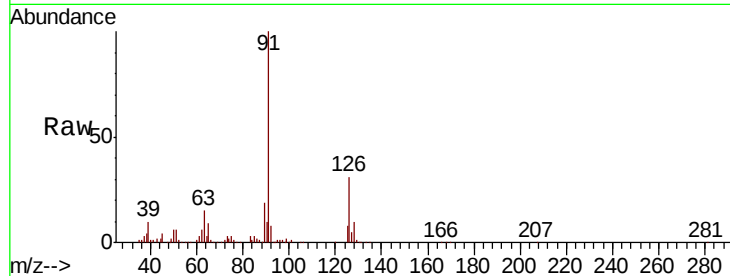
VF1203SBS01

Tot Ion: 91 Resp: 186611

Ion Ratio Lower Upper

91 100

126 30.8 15.9 47.6



#80

1,3,5-Trimethylbenzene

Concen: 22.102 ug/l

RT: 11.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VF060892.D

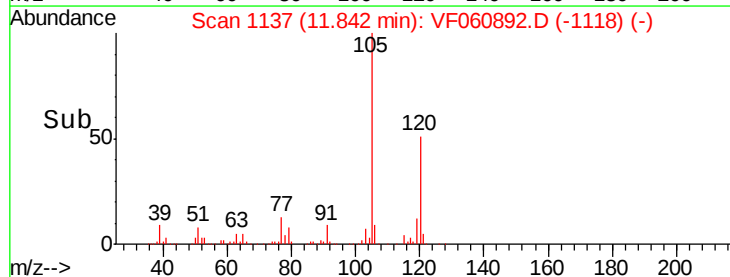
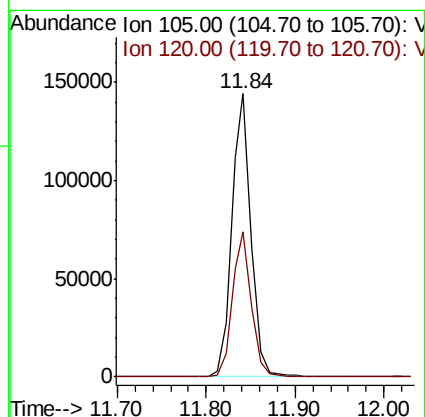
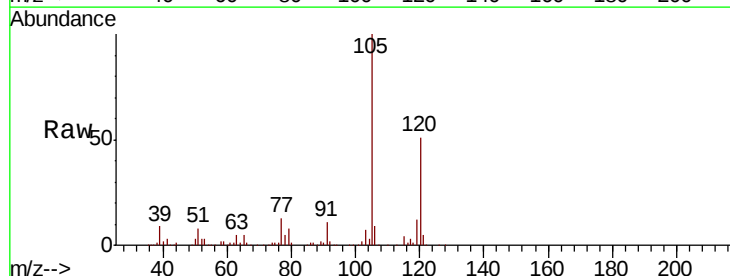
Acq: 3 Dec 2018 15:33

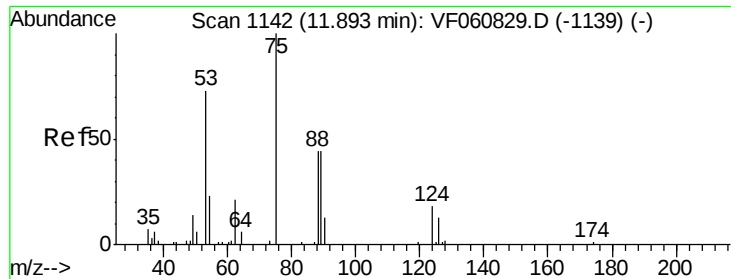
Tgt Ion:105 Resp: 219727

Ion Ratio Lower Upper

105 100

120 51.2 25.8 77.3

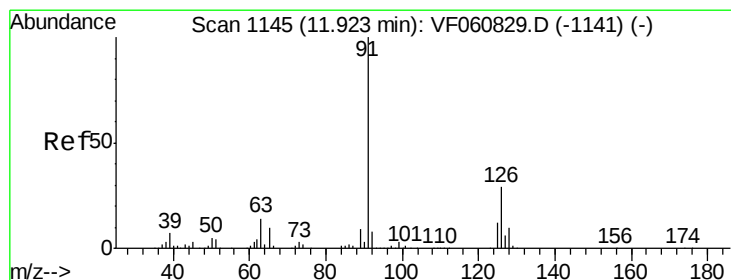
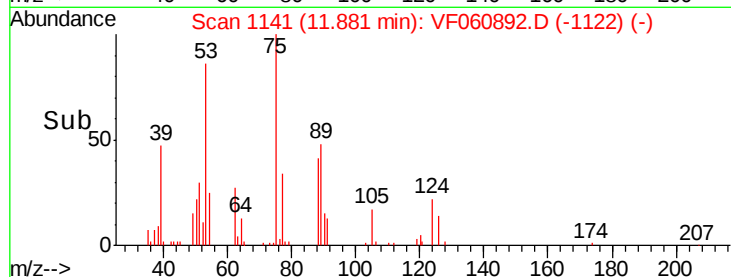
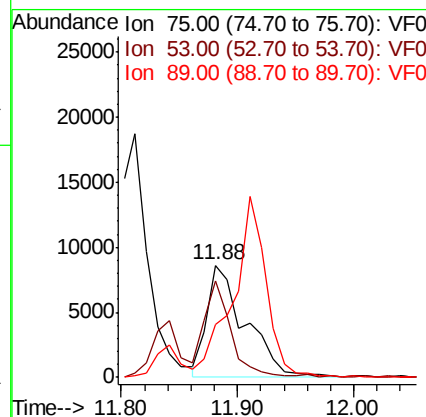
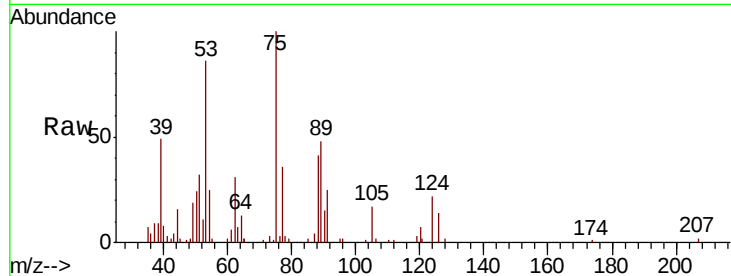




#81
trans-1,4-Dichloro-2-butene
Concen: 27.646 ug/l
RT: 11.88 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

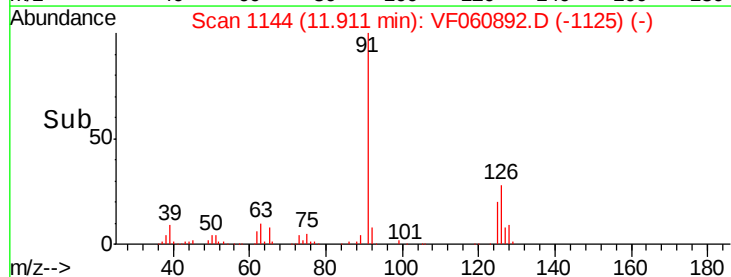
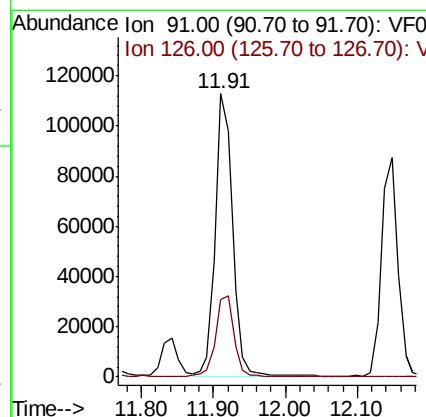
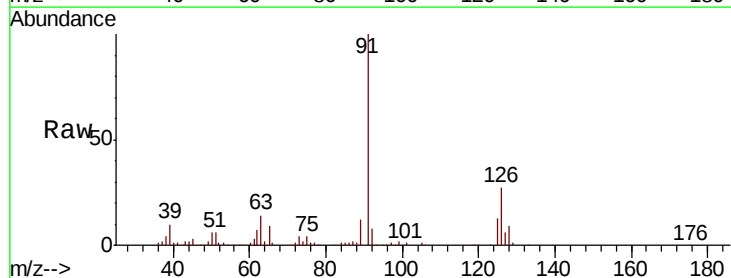
Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

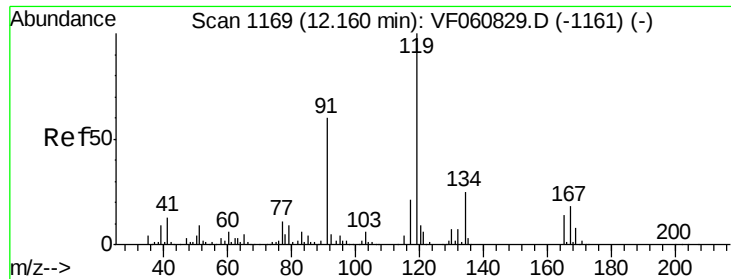
Tot Ion: 75 Resp: 19843
Ion Ratio Lower Upper
75 100
53 86.0 65.9 98.9
89 47.6 38.8 58.2



#82
4-Chlorotoluene
Concen: 21.467 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Tgt Ion: 91 Resp: 185762
Ion Ratio Lower Upper
91 100
126 27.5 14.8 44.4

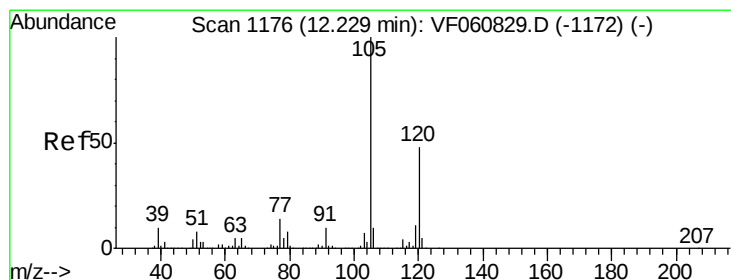
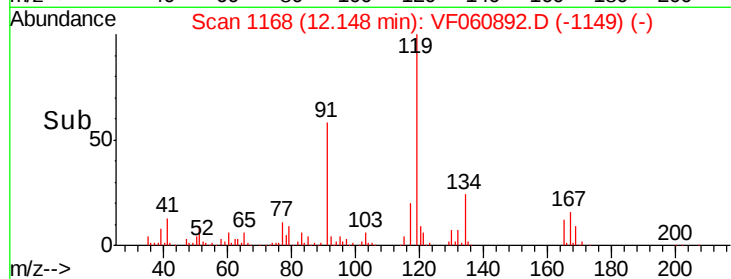
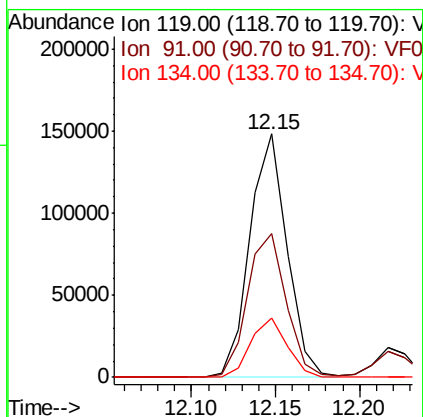
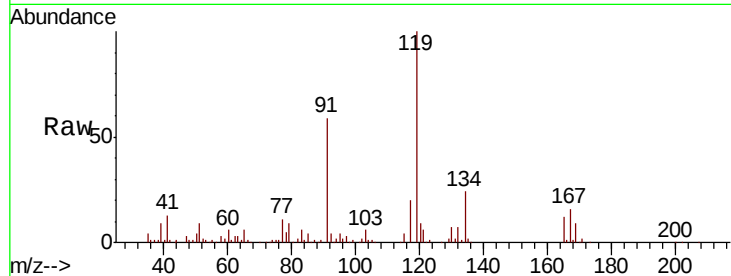




#83
tert-Butylbenzene
Concen: 22.557 ug/l
RT: 12.15 min Scan# 1168
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

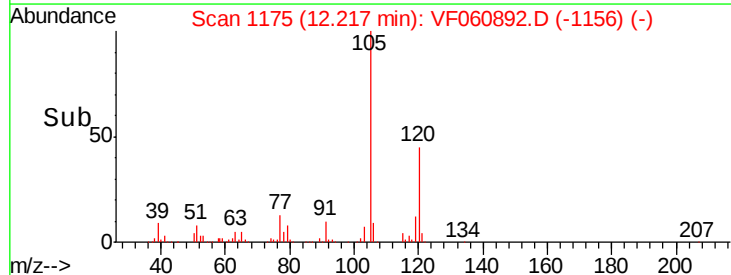
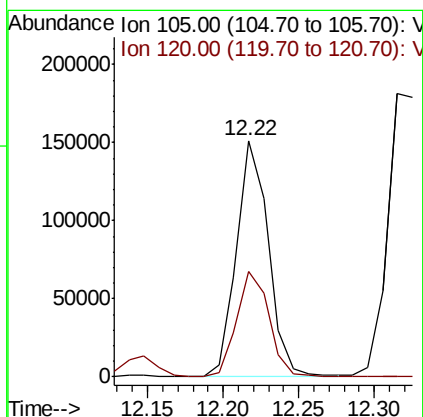
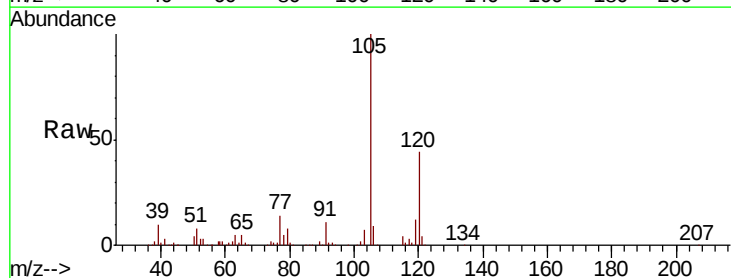
Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

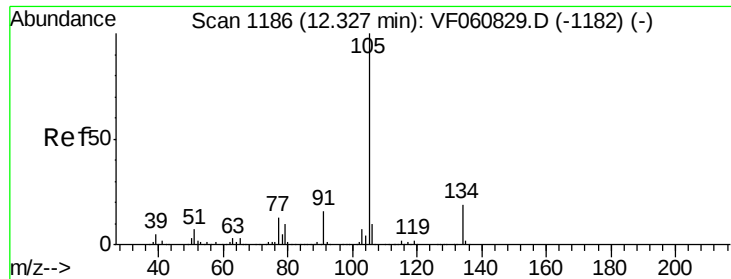
Tot Ion:119 Resp: 228429
Ion Ratio Lower Upper
119 100
91 58.9 30.1 90.3
134 24.4 12.6 37.8



#84
1,2,4-Trimethylbenzene
Concen: 22.421 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Tgt Ion:105 Resp: 222452
Ion Ratio Lower Upper
105 100
120 44.4 23.8 71.5

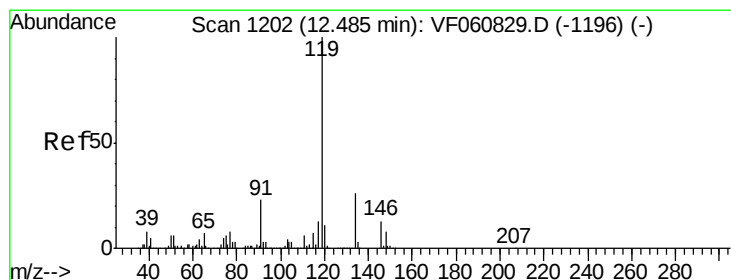
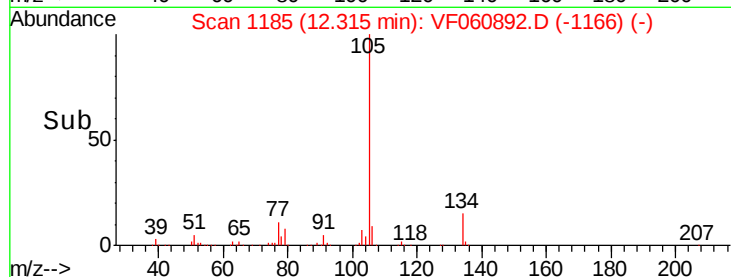
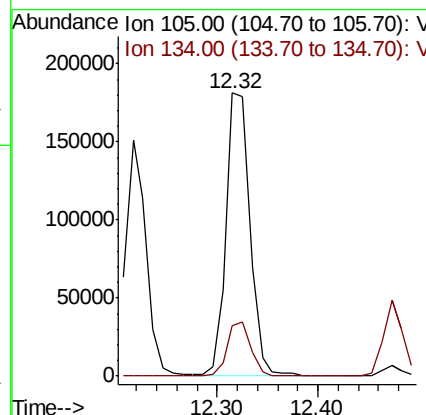
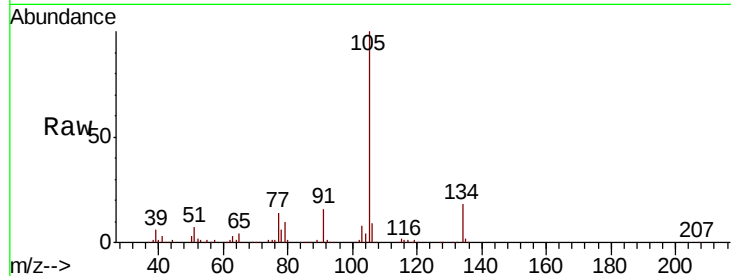




#85
 sec-Butylbenzene
 Concen: 21.604 ug/l
 RT: 12.32 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VF060892.D
 Acq: 3 Dec 2018 15:33

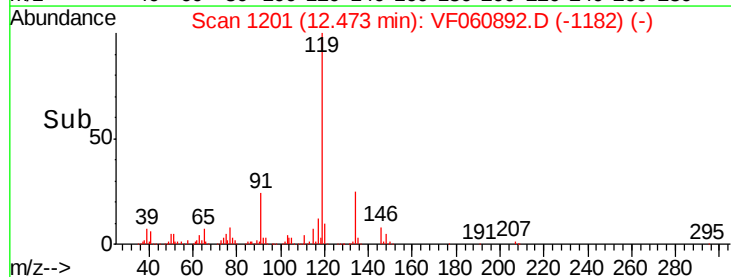
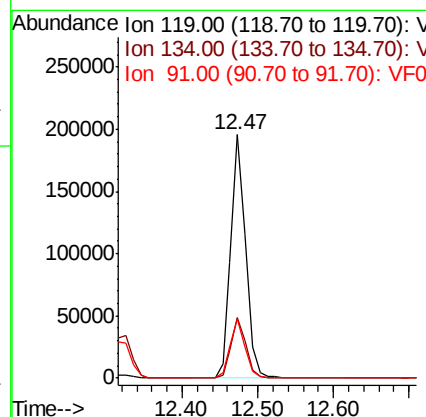
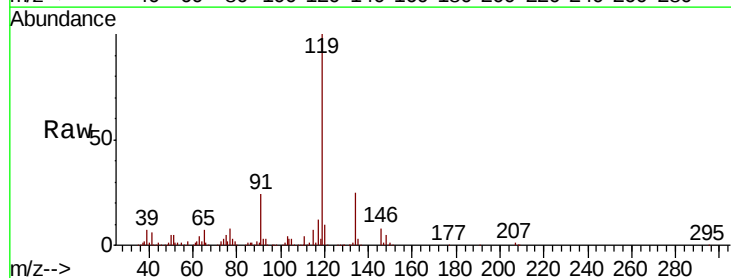
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

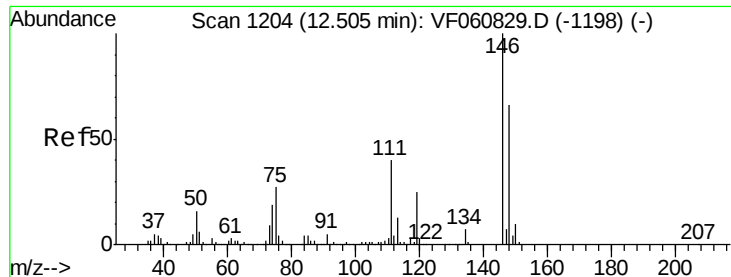
Tot Ion:105 Resp: 299496
 Ion Ratio Lower Upper
 105 100
 134 17.8 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 22.977 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF060892.D
 Acq: 3 Dec 2018 15:33

Tgt Ion:119 Resp: 267050
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.9 38.6
 91 24.1 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 22.312 ug/l

RT: 12.49 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

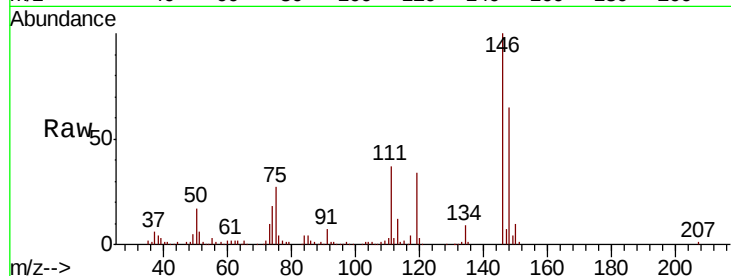
Tot Ion:146 Resp: 113942

Ion Ratio Lower Upper

146 100

111 37.1 20.0 59.9

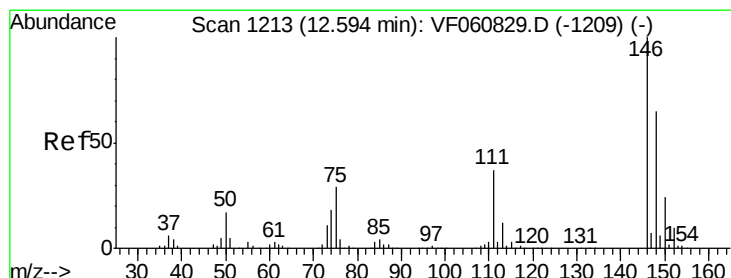
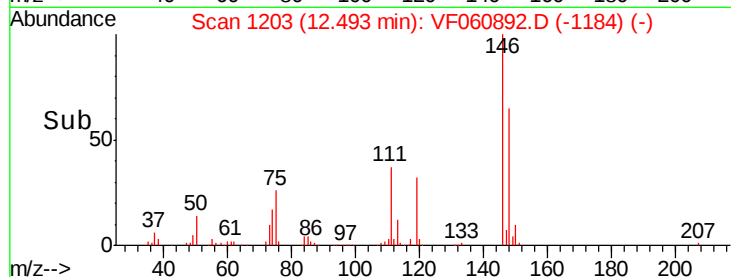
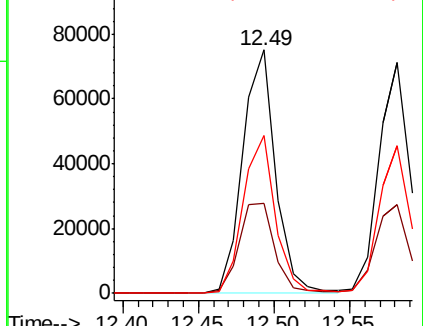
148 64.8 32.9 98.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 21.442 ug/l

RT: 12.58 min Scan# 1212

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

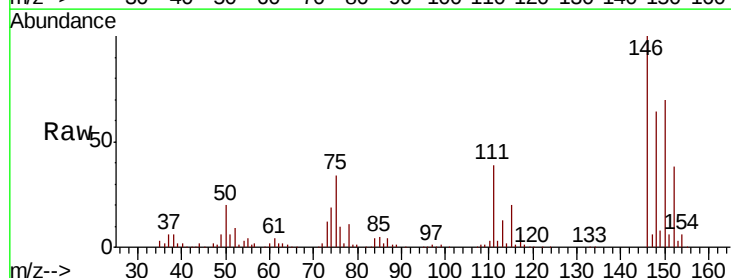
Tgt Ion:146 Resp: 106711

Ion Ratio Lower Upper

146 100

111 38.6 18.9 56.7

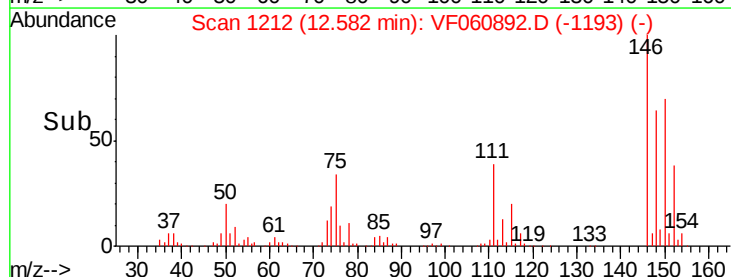
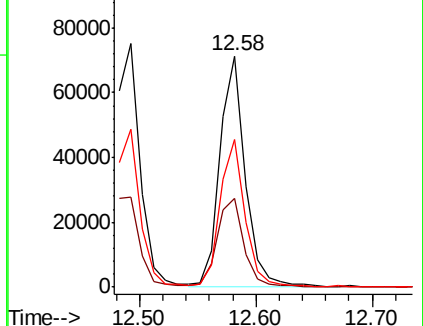
148 63.7 32.3 96.9

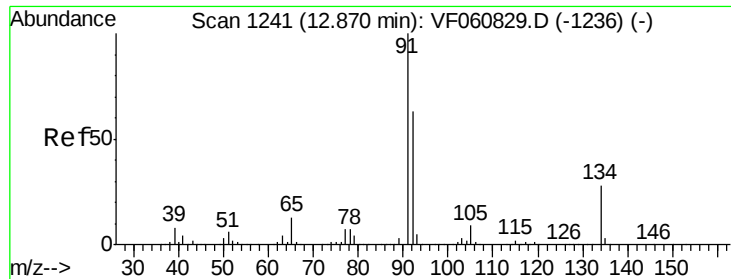


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

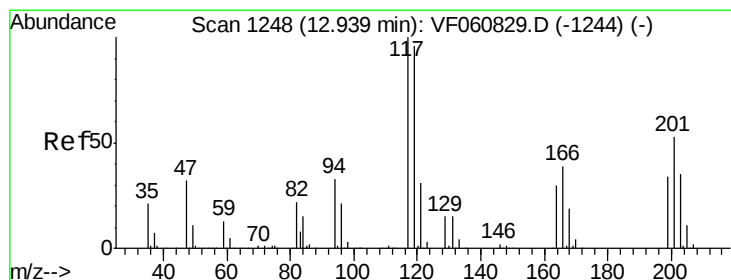
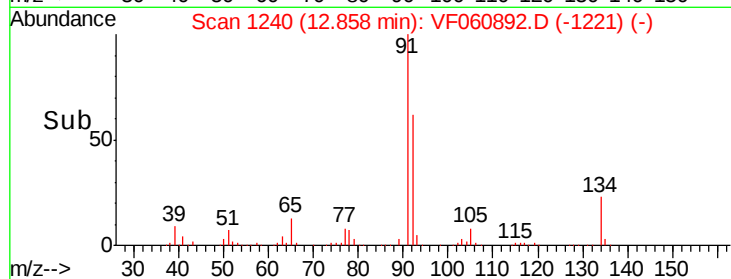
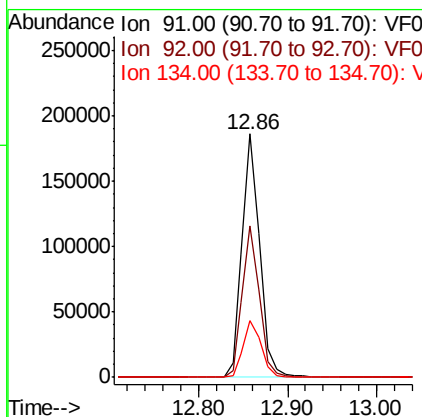
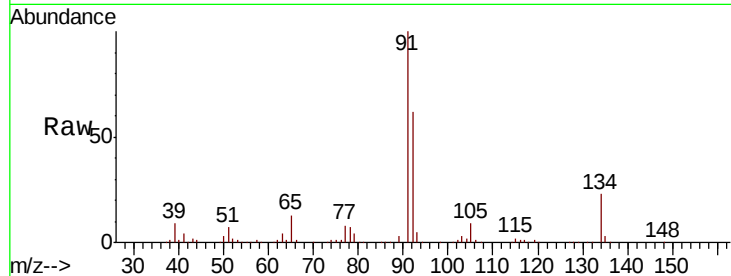




#89
n-Butylbenzene
Concen: 21.900 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

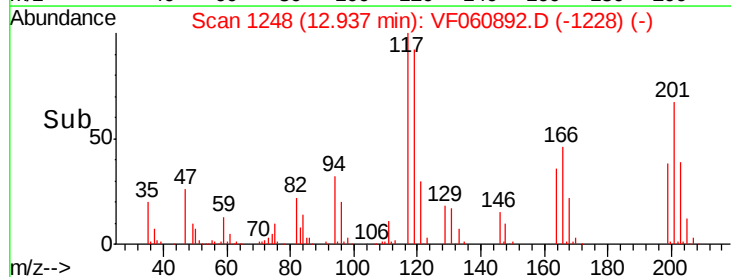
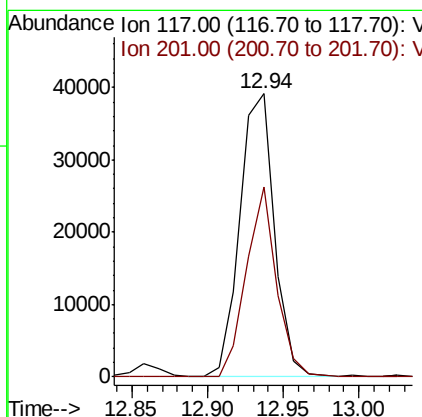
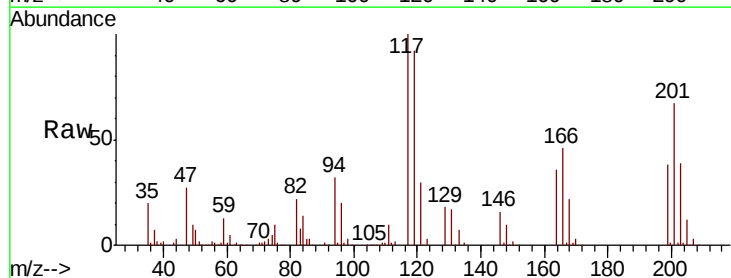
Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

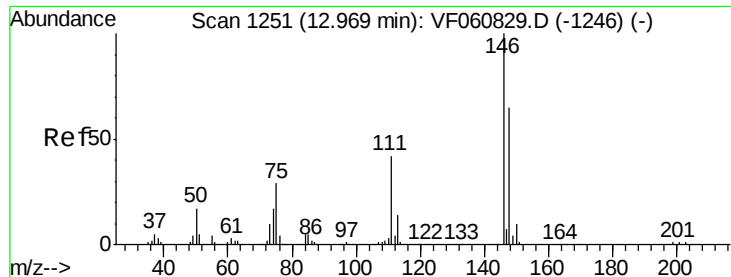
Tot Ion: 91 Resp: 257369
Ion Ratio Lower Upper
91 100
92 62.2 31.6 94.7
134 23.3 13.8 41.4



#90
Hexachloroethane
Concen: 22.251 ug/l
RT: 12.94 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Tgt Ion: 117 Resp: 62275
Ion Ratio Lower Upper
117 100
201 67.0 26.7 80.1





#91

1,2-Dichlorobenzene

Concen: 21.909 ug/l

RT: 12.96 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

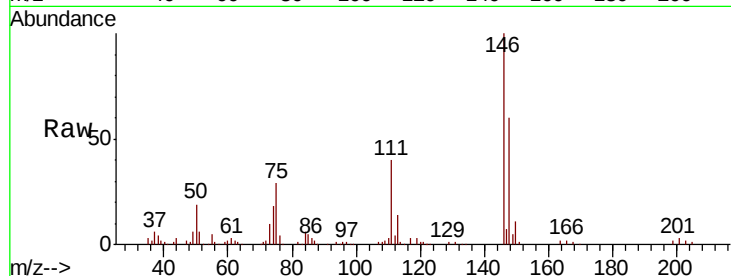
Tot Ion:146 Resp: 105954

Ion Ratio Lower Upper

146 100

111 40.1 21.2 63.6

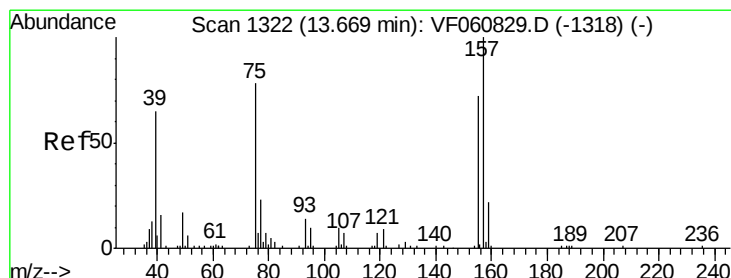
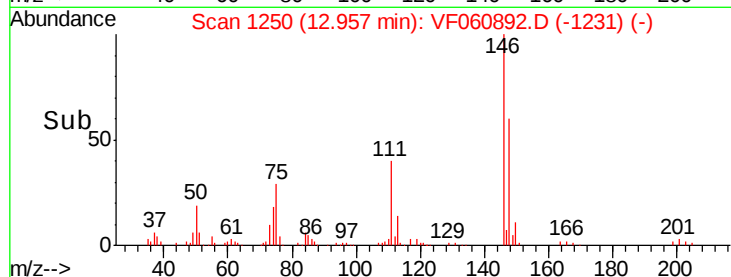
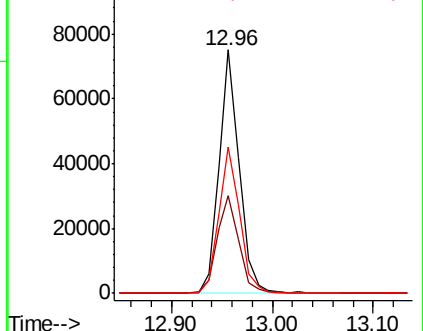
148 60.3 32.5 97.5



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: 19.761 ug/l

RT: 13.66 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

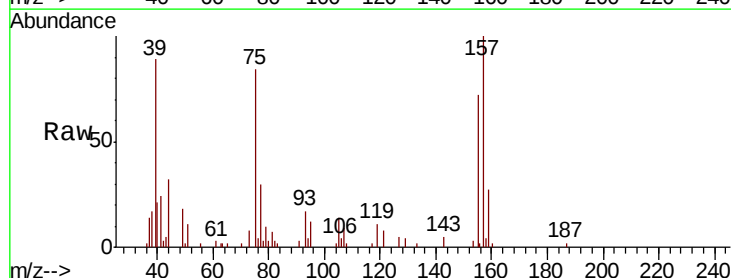
Tgt Ion: 75 Resp: 7700

Ion Ratio Lower Upper

75 100

155 87.7 45.6 136.9

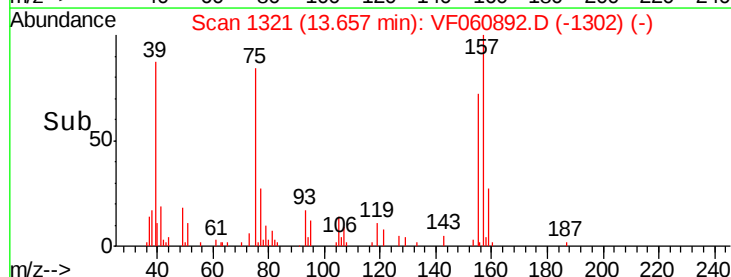
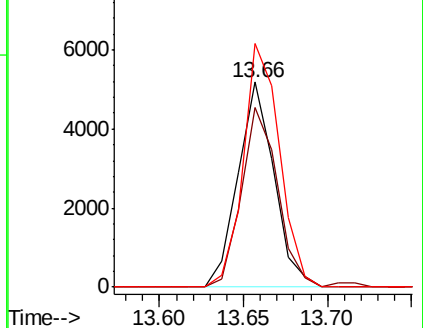
157 118.9 63.8 191.5

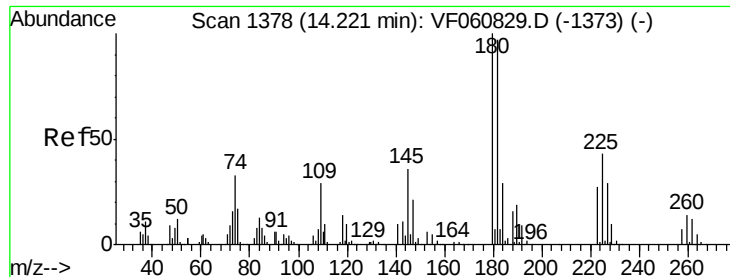


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

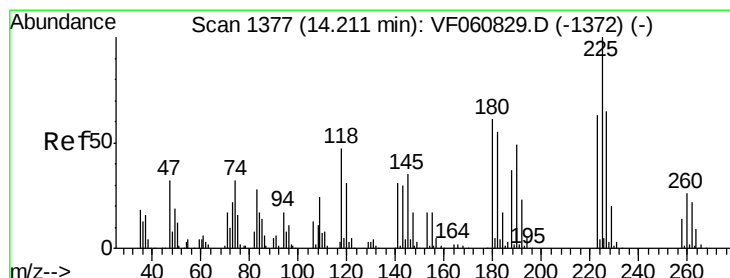
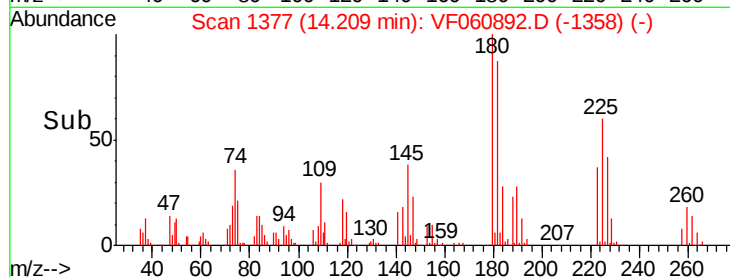
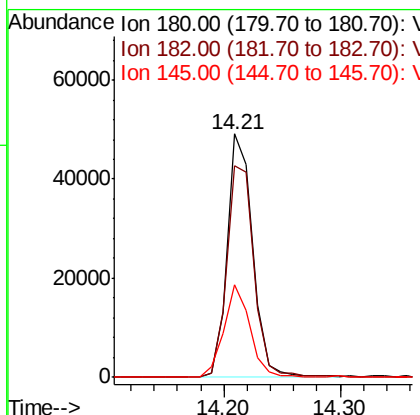
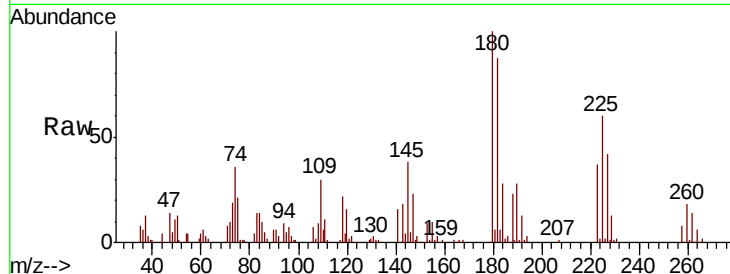




#93
 1,2,4-Trichlorobenzene
 Concen: 22.083 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: VF060892.D
 Acq: 3 Dec 2018 15:33

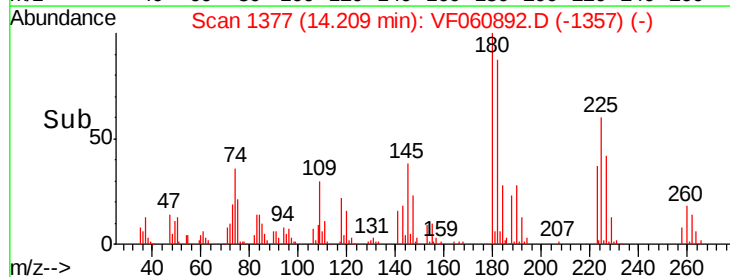
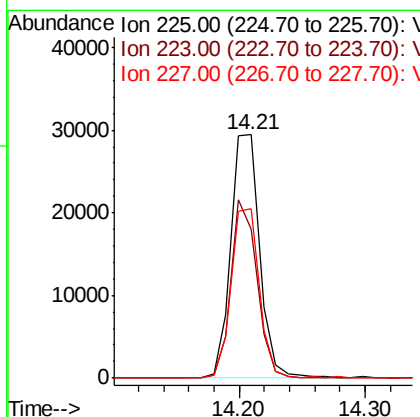
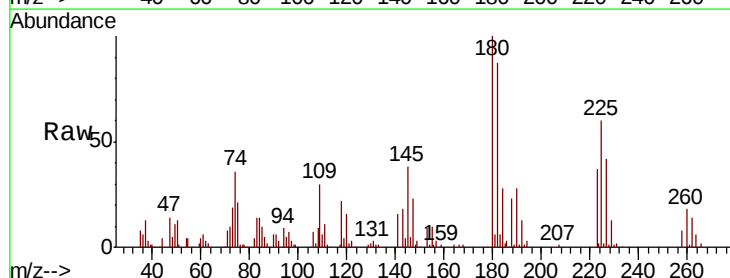
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

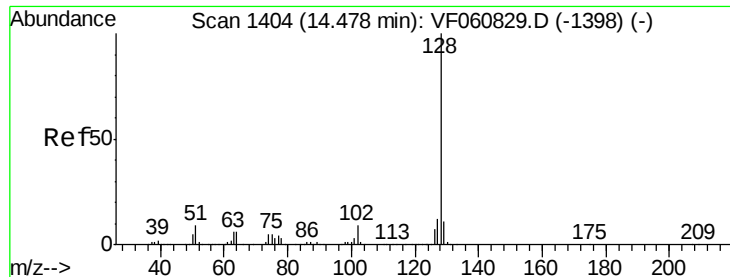
Tot Ion:180 Resp: 74621
 Ion Ratio Lower Upper
 180 100
 182 86.8 48.5 145.5
 145 37.8 18.1 54.3



#94
 Hexachlorobutadiene
 Concen: 20.630 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VF060892.D
 Acq: 3 Dec 2018 15:33

Tgt Ion:225 Resp: 46470
 Ion Ratio Lower Upper
 225 100
 223 61.0 31.4 94.3
 227 69.4 32.5 97.5





#95

Naphthalene

Concen: 17.412 ug/l

RT: 14.47 min Scan# 1403

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

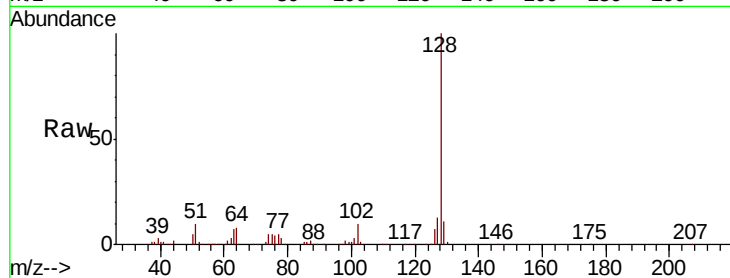
MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion:128 Resp: 129157

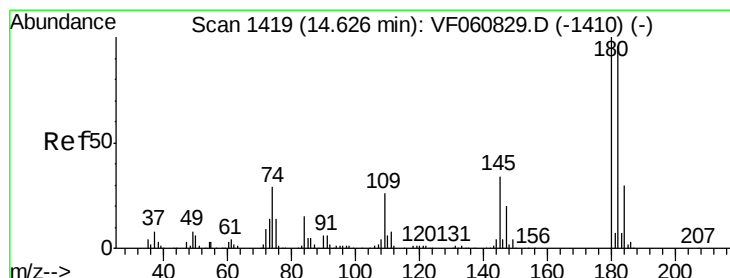
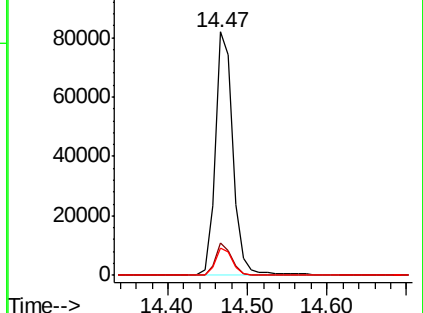
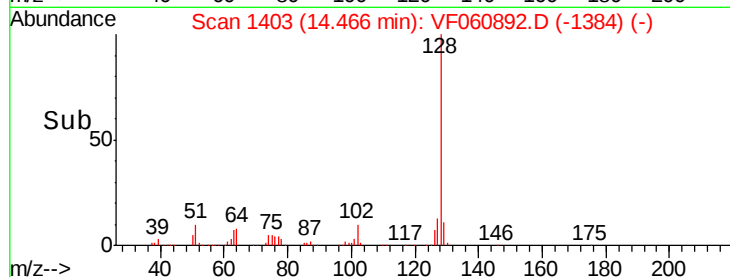
Ion	Ratio	Lower	Upper
128	100		
127	13.5	9.9	14.9
129	11.3	9.1	13.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.175 ug/l

RT: 14.61 min Scan# 1418

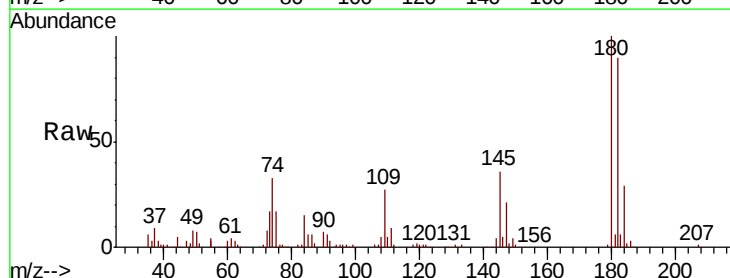
Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Tgt Ion:180 Resp: 69576

Ion	Ratio	Lower	Upper
180	100		
182	90.2	47.9	143.8
145	35.9	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

