

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120318\
 Data File : VF060889.D
 Acq On : 3 Dec 2018 14:06
 Operator : VA/AP
 Sample : VF1203SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

Quant Time: Dec 04 03:08:23 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	195419	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	316283	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.80	117	295158	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	164762	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	139846	60.75	ug/l	-0.01
Spiked Amount			Recovery	=	121.50%	
35) Dibromofluoromethane	4.13	113	138741	55.29	ug/l	-0.02
Spiked Amount			Recovery	=	110.58%	
50) Toluene-d8	7.57	98	403390	54.58	ug/l	-0.02
Spiked Amount			Recovery	=	109.16%	
62) 4-Bromofluorobenzene	11.43	95	187132	55.71	ug/l	-0.01
Spiked Amount			Recovery	=	111.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	65589	22.447	ug/l	97
3) Chloromethane	1.11	50	42247	22.220	ug/l	94
4) Vinyl Chloride	1.14	62	40833	23.024	ug/l	90
5) Bromomethane	1.33	94	25225	20.171	ug/l	97
6) Chloroethane	1.39	64	14785	19.285	ug/l	95
7) Trichlorofluoromethane	1.49	101	81968	21.541	ug/l	83
8) Diethyl Ether	1.64	74	12510	22.862	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.84	101	39088	20.319	ug/l	98
10) Methyl Iodide	1.91	142	60903	20.828	ug/l #	86
11) Tert butyl alcohol	2.59	59	13186	139.728	ug/l #	92
12) 1,1-Dichloroethene	1.79	96	30363	19.623	ug/l	92
13) Acrolein	2.02	56	7421	82.999	ug/l	90
14) Allyl chloride	2.11	41	38280	19.848	ug/l	95
15) Acrylonitrile	2.97	53	25239	119.295	ug/l	90
16) Acetone	2.26	43	55333	130.342	ug/l #	90
17) Carbon Disulfide	1.84	76	82380	19.856	ug/l	100
18) Methyl Acetate	2.36	43	20421	27.944	ug/l	97
19) Methyl tert-butyl Ether	2.44	73	80350	23.056	ug/l	92
20) Methylene Chloride	2.19	84	8077	5.186	ug/l	88
21) trans-1,2-Dichloroethene	2.32	96	25206	16.897	ug/l	89
22) Diisopropyl ether	2.82	45	116879	22.264	ug/l	97
23) Vinyl Acetate	3.20	43	302975	126.256	ug/l	98
24) 1,1-Dichloroethane	2.89	63	66019	21.137	ug/l	97
25) 2-Butanone	4.36	43	88761	120.883	ug/l	97
26) 2,2-Dichloropropane	3.62	77	42828	21.151	ug/l	99
27) cis-1,2-Dichloroethene	3.50	96	54125	22.287	ug/l	91
28) Bromochloromethane	3.73	49	36566	24.394	ug/l	96
29) Tetrahydrofuran	4.10	42	36349	116.785	ug/l	97
30) Chloroform	3.88	83	106835	22.225	ug/l	93
31) Cyclohexane	3.71	56	69533	21.451	ug/l #	91
32) 1,1,1-Trichloroethane	4.12	97	60827	18.246	ug/l	95
36) 1,1-Dichloropropene	4.30	75	75949	21.650	ug/l	97
37) Ethyl Acetate	4.13	43	35730	25.063	ug/l #	85
38) Carbon Tetrachloride	4.01	117	66330	21.407	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	74560	20.281	ug/l	92
40) Benzene	4.65	78	173701	22.413	ug/l	95
41) Methacrylonitrile	4.77	41	18531	23.012	ug/l #	87
42) 1,2-Dichloroethane	4.96	62	64469	22.785	ug/l	94
43) Isopropyl Acetate	6.98	43	45055	24.212	ug/l #	98
44) Trichloroethene	5.52	130	56028	22.110	ug/l	96
45) 1,2-Dichloropropane	6.26	63	46698	23.200	ug/l	90
46) Dibromomethane	6.11	93	32806	24.026	ug/l	96
47) Bromodichloromethane	6.41	83	80782	22.275	ug/l	97
48) Methyl methacrylate	6.73	41	28189	21.845	ug/l	91
49) 1,4-Dioxane	6.72	88	4132	437.519	ug/l #	68
51) 4-Methyl-2-Pentanone	8.27	43	162075	123.285	ug/l	93
52) Toluene	7.64	92	114422	21.019	ug/l	92
53) t-1,3-Dichloropropene	8.30	75	69036	23.403	ug/l	94
54) cis-1,3-Dichloropropene	7.33	75	84739	23.204	ug/l	98
55) 1,1,2-Trichloroethane	8.51	97	37505	23.644	ug/l	97
56) Ethyl methacrylate	8.64	69	42902	24.347	ug/l	90
57) 1,3-Dichloropropane	8.87	76	63923	23.033	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.32	63	21447	118.991	ug/l	100
59) 2-Hexanone	9.52	43	128640	139.478	ug/l	99
60) Dibromochloromethane	8.74	129	51760	21.900	ug/l	97
61) 1,2-Dibromoethane	9.01	107	39082	22.807	ug/l	99
64) Tetrachloroethene	8.17	164	46208	20.497	ug/l	97
65) Chlorobenzene	9.82	112	127058	22.128	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.95	131	54419	22.046	ug/l	99
67) Ethyl Benzene	9.92	91	242578	22.693	ug/l	98
68) m/p-Xylenes	10.16	106	165730	43.106	ug/l	96
69) o-Xylene	10.73	106	93663	22.092	ug/l	83
70) Styrene	10.81	104	134691	22.918	ug/l	98
71) Bromoform	10.79	173	28142	23.602	ug/l #	93
73) Isopropylbenzene	11.14	105	282401	21.689	ug/l	100
74) N-amyl acetate	11.39	43	71023	23.622	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.72	83	50695	23.657	ug/l	100
76) 1,2,3-Trichloropropane	11.81	75	35767	22.963	ug/l	92
77) Bromobenzene	11.51	156	60819	21.306	ug/l	75
78) n-propylbenzene	11.61	91	326560	21.417	ug/l	97
79) 2-Chlorotoluene	11.73	91	184490	21.102	ug/l	97
80) 1,3,5-Trimethylbenzene	11.84	105	223942	21.186	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.88	75	22426	29.386	ug/l	89
82) 4-Chlorotoluene	11.91	91	199571	21.690	ug/l	97
83) tert-Butylbenzene	12.15	119	234921	21.818	ug/l	99
84) 1,2,4-Trimethylbenzene	12.22	105	225627	21.388	ug/l	95
85) sec-Butylbenzene	12.32	105	306856	20.819	ug/l	98
86) p-Isopropyltoluene	12.47	119	247789	20.052	ug/l	97
87) 1,3-Dichlorobenzene	12.49	146	112018	20.630	ug/l	96
88) 1,4-Dichlorobenzene	12.58	146	111813	21.131	ug/l	98
89) n-Butylbenzene	12.86	91	264485	21.167	ug/l	97
90) Hexachloroethane	12.93	117	64119	21.547	ug/l	98
91) 1,2-Dichlorobenzene	12.96	146	114835	22.333	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.66	75	8985	21.687	ug/l	90

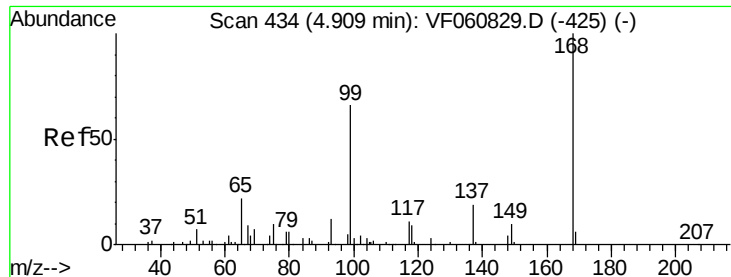
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF120318\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	83539	23.252	ug/l	95
94) Hexachlorobutadiene	14.20	225	49880	20.826	ug/l	96
95) Naphthalene	14.47	128	152790	19.797	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	76248	22.856	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.02 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

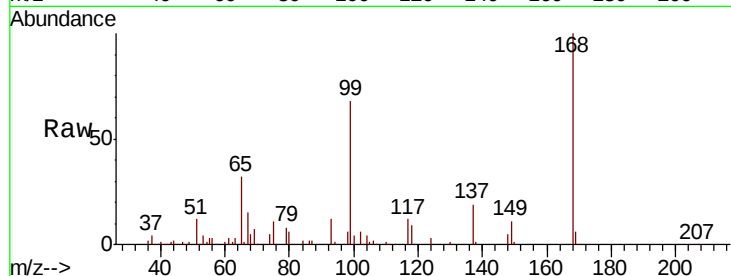
VF1203SBS01

Tot Ion:168 Resp: 195419

Ion Ratio Lower Upper

168 100

99 67.9 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

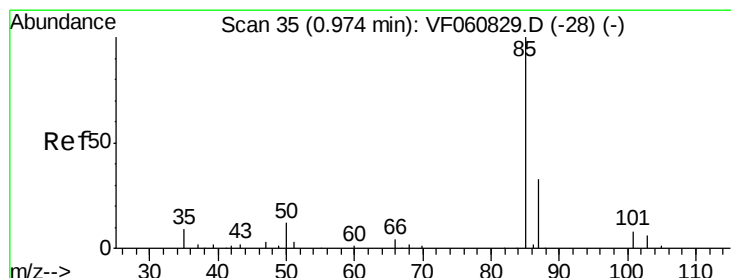
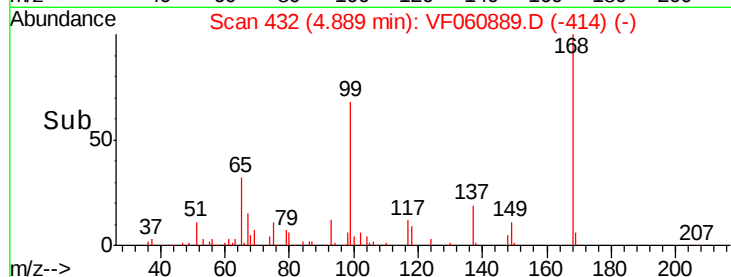
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 22.447 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060889.D

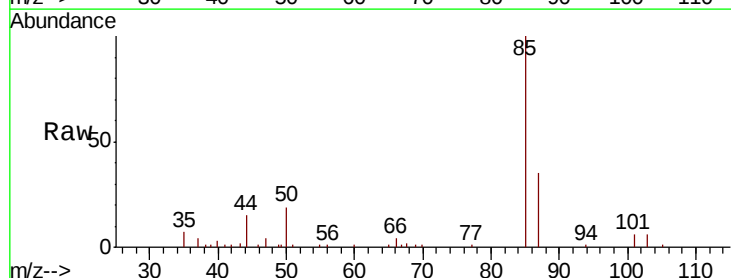
Acq: 3 Dec 2018 14:06

Tgt Ion: 85 Resp: 65589

Ion Ratio Lower Upper

85 100

87 34.8 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

20000

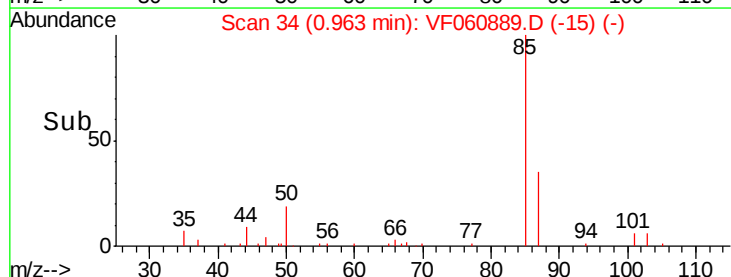
15000

10000

5000

0

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 22.220 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

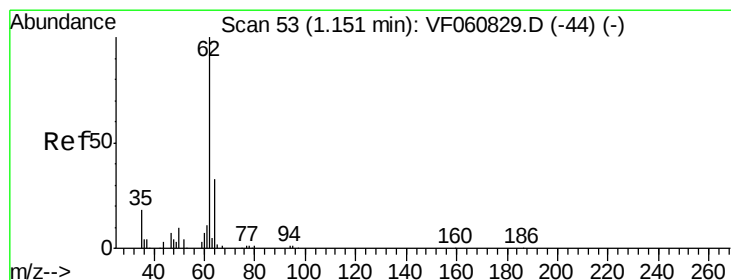
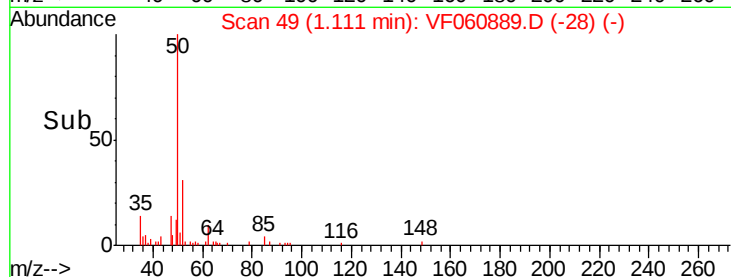
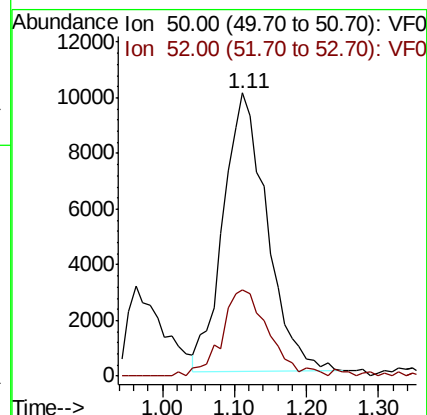
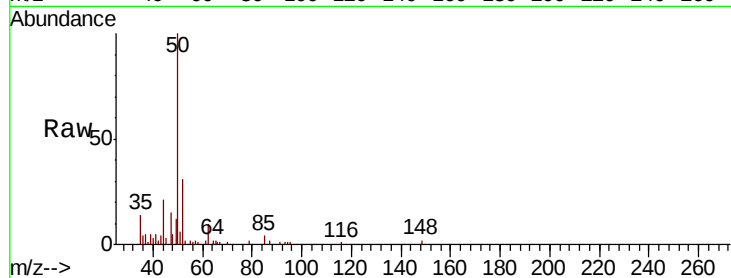
VF1203SBS01

Tot Ion: 50 Resp: 42247

Ion Ratio Lower Upper

50 100

52 30.5 27.0 40.4



#4

Vinyl Chloride

Concen: 23.024 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060889.D

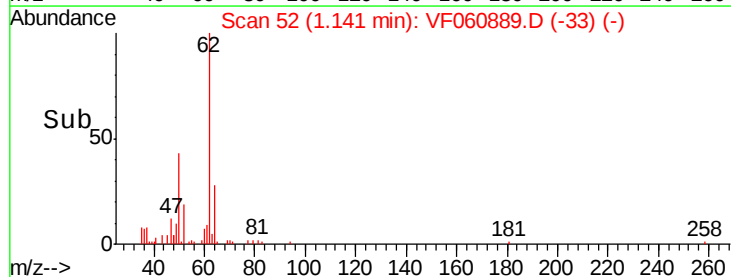
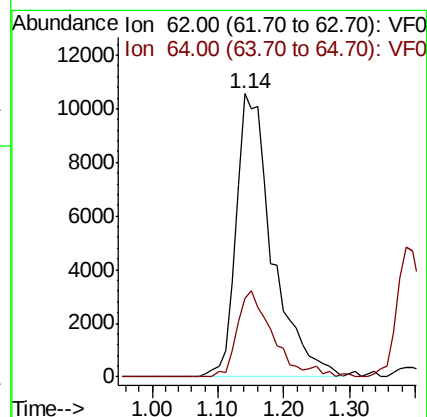
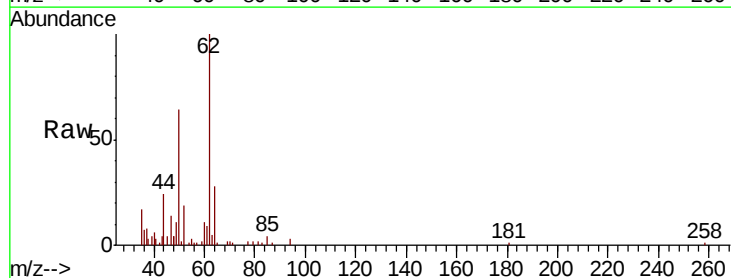
Acq: 3 Dec 2018 14:06

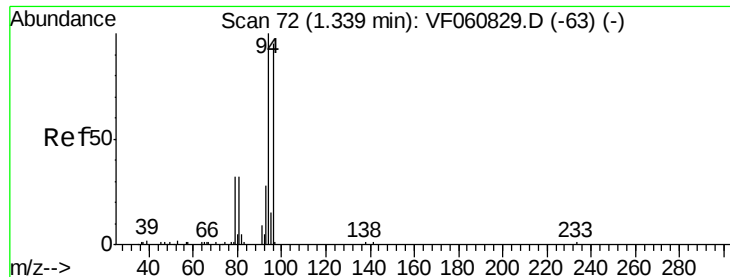
Tgt Ion: 62 Resp: 40833

Ion Ratio Lower Upper

62 100

64 27.6 26.4 39.6





#5

Bromomethane

Concen: 20.171 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

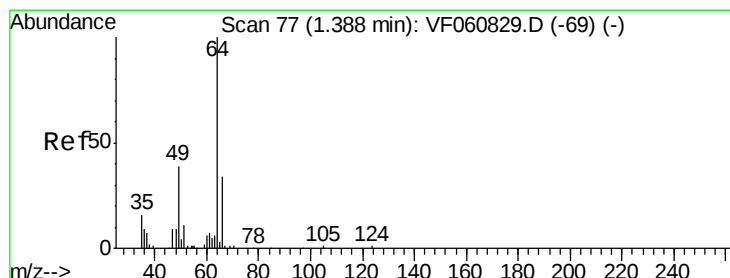
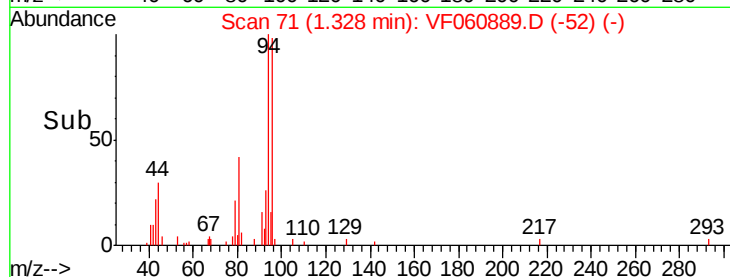
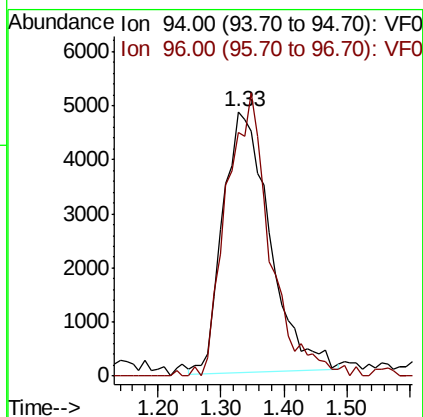
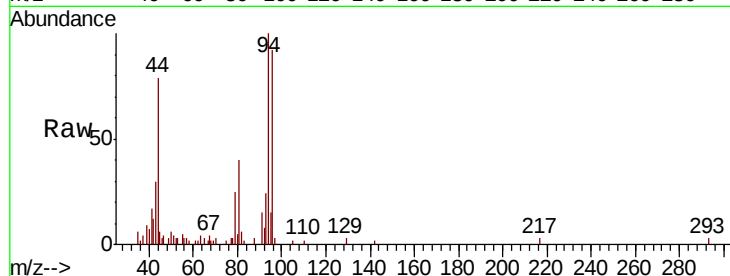
VF1203SBS01

Tot Ion: 94 Resp: 25225

Ion Ratio Lower Upper

94 100

96 92.4 75.9 113.9



#6

Chloroethane

Concen: 19.285 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF060889.D

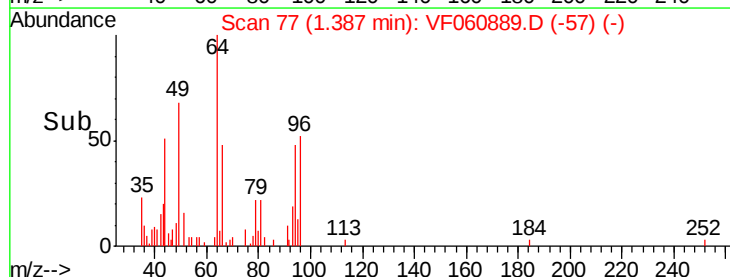
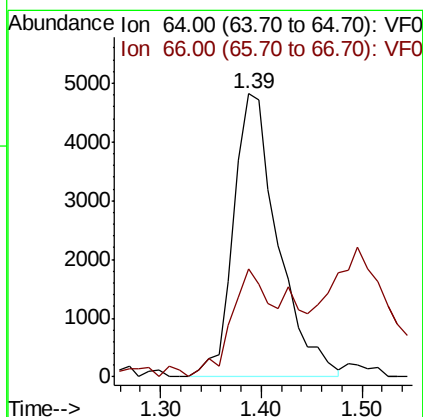
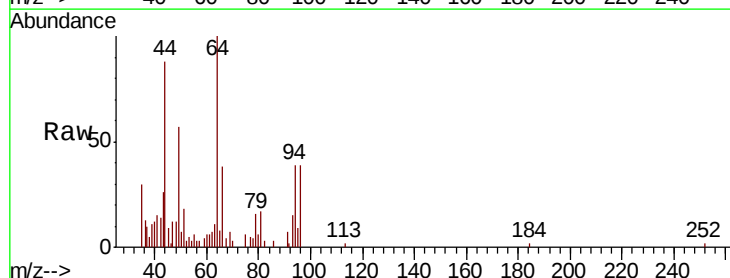
Acq: 3 Dec 2018 14:06

Tgt Ion: 64 Resp: 14785

Ion Ratio Lower Upper

64 100

66 38.0 28.1 42.1



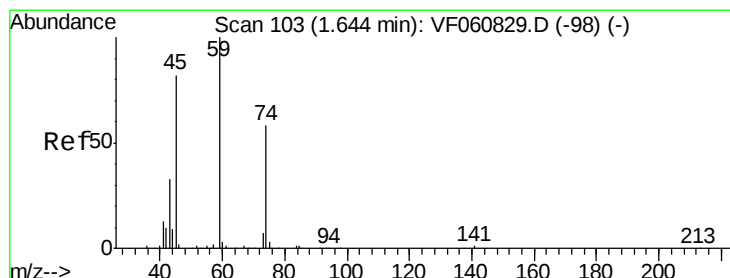
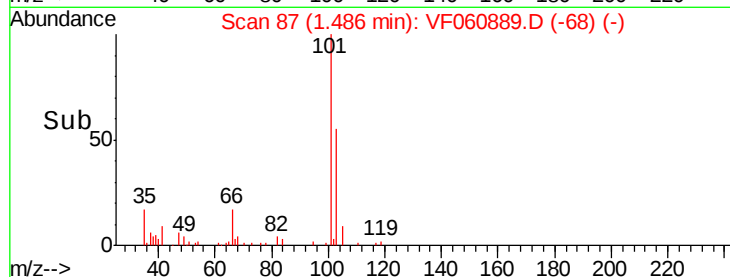
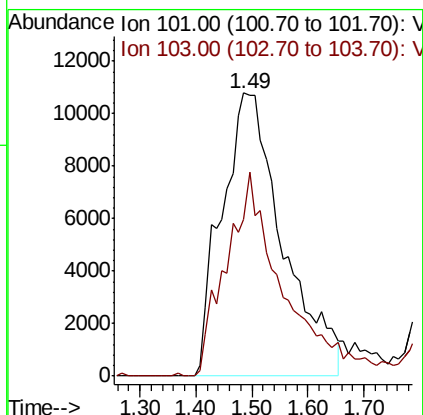
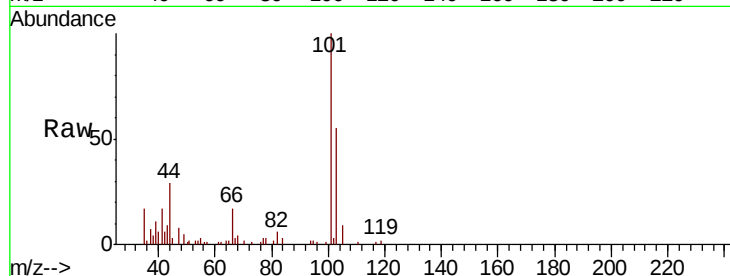


#7

Trichlorofluoromethane
 Concen: 21.541 ug/l
 RT: 1.49 min Scan# 87
 Delta R.T. -0.01 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Instrument :
 MSVOA_F
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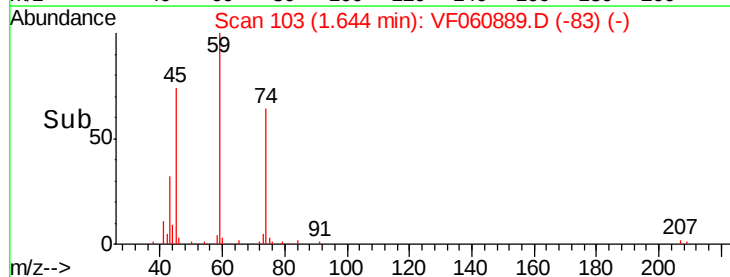
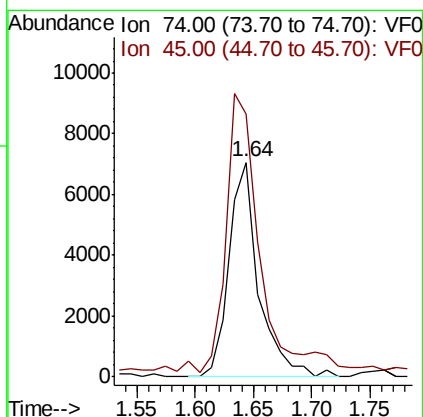
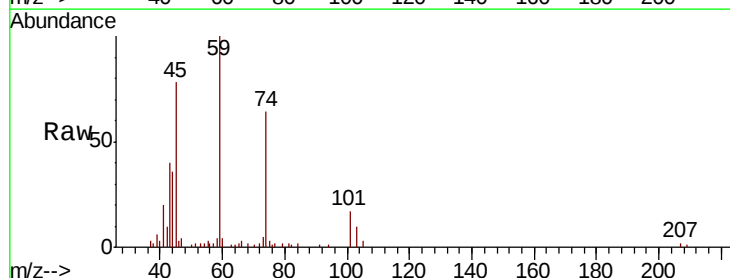
Tot Ion:101 Resp: 81968
 Ion Ratio Lower Upper
 101 100
 103 55.4 55.4 83.0

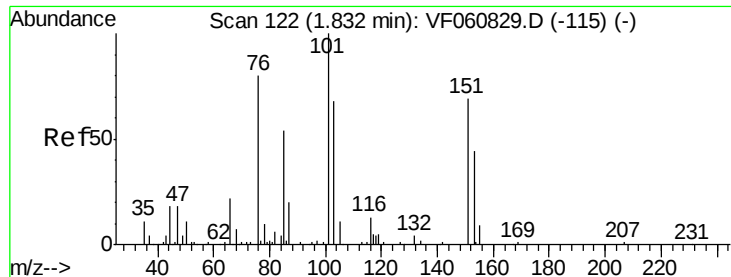


#8

Diethyl Ether
 Concen: 22.862 ug/l
 RT: 1.64 min Scan# 103
 Delta R.T. -0.00 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Tgt Ion: 74 Resp: 12510
 Ion Ratio Lower Upper
 74 100
 45 122.2 71.0 212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.319 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

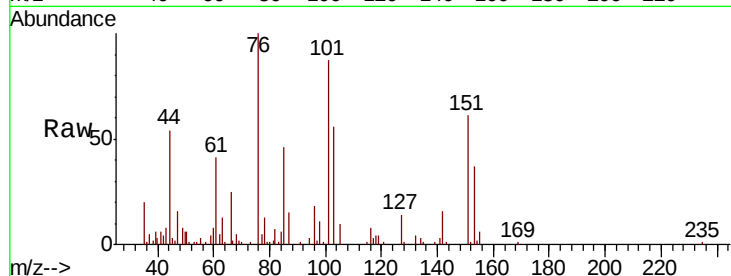
Tot Ion:101 Resp: 39088

Ion Ratio Lower Upper

101 100

85 53.2 42.8 64.2

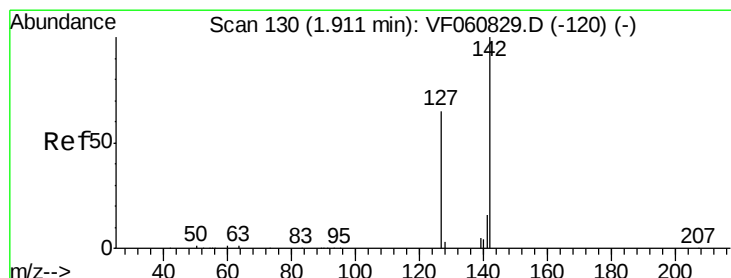
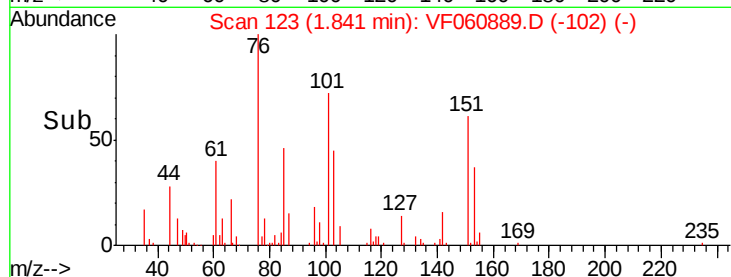
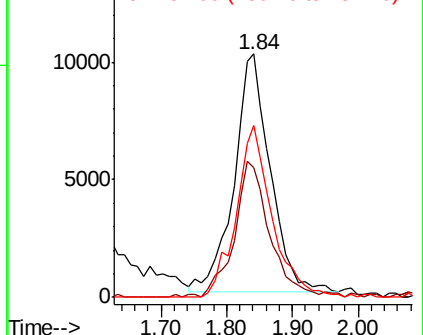
151 70.4 54.4 81.6



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: 20.828 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.00 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

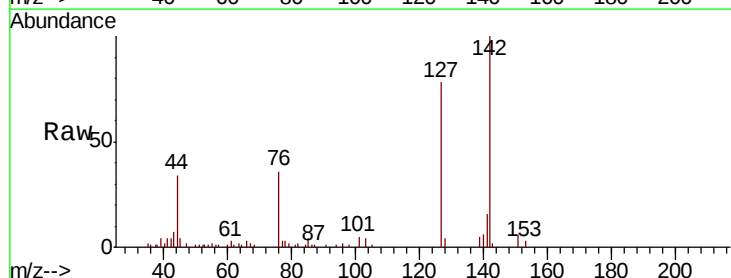
Tgt Ion:142 Resp: 60903

Ion Ratio Lower Upper

142 100

127 78.3 51.9 77.9#

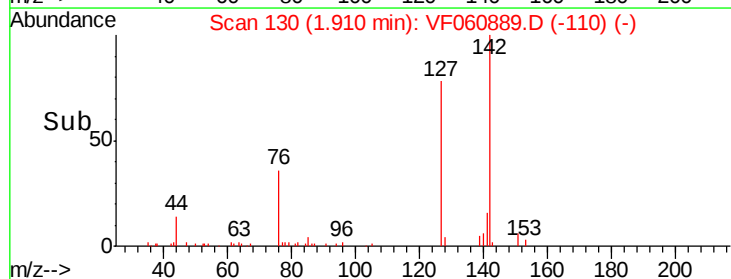
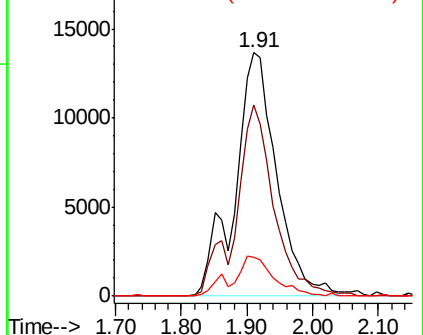
141 16.0 12.7 19.1

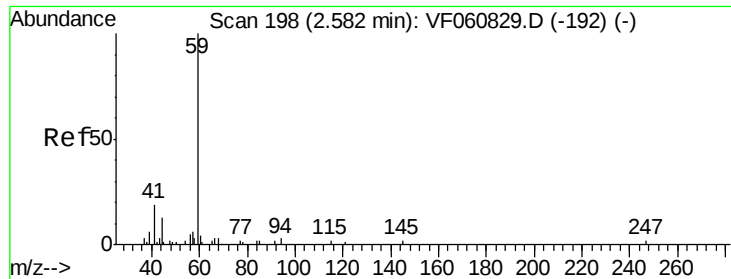


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

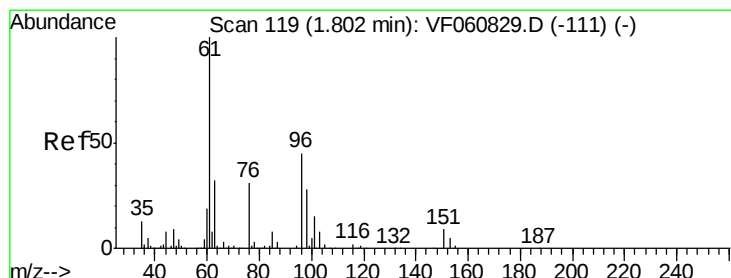
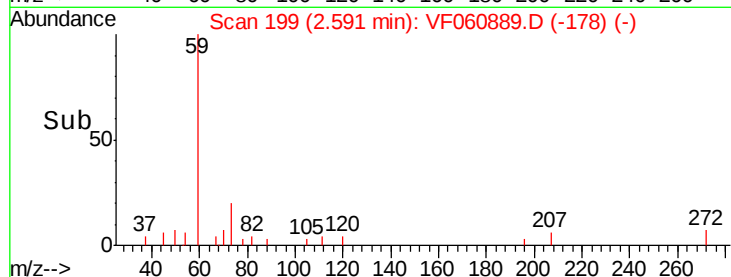
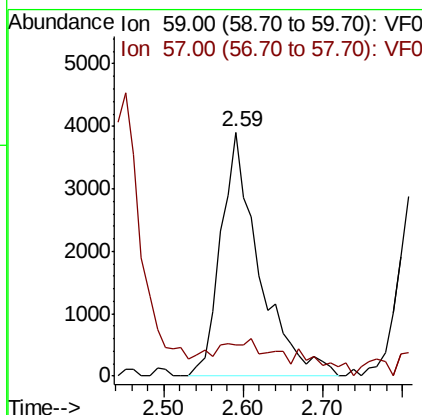
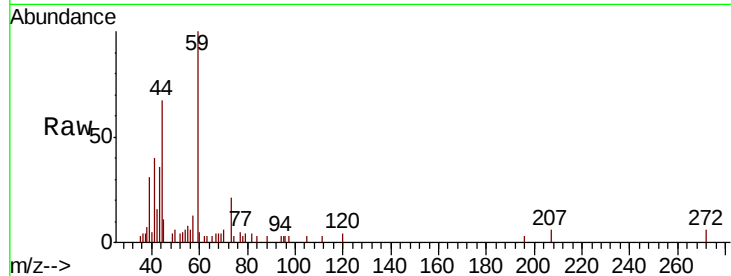




#11
Tert butyl alcohol
Concen: 139.728 ug/l
RT: 2.59 min Scan# 199
Delta R.T. 0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

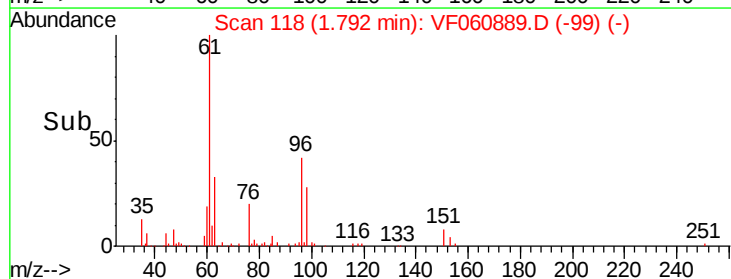
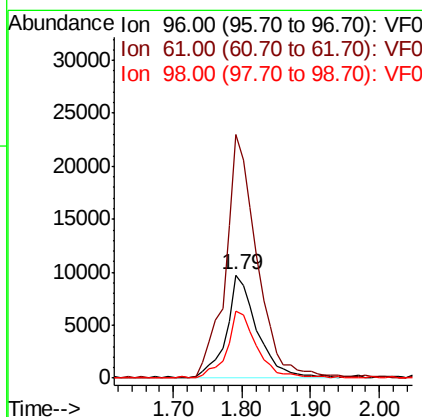
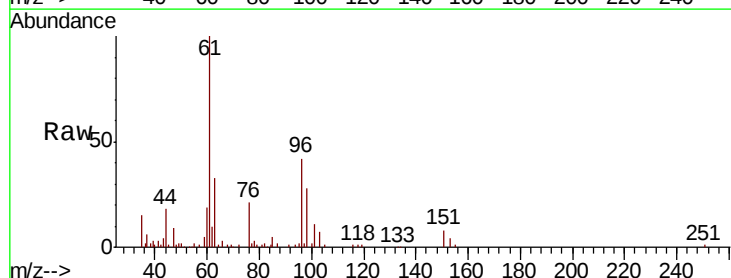
Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

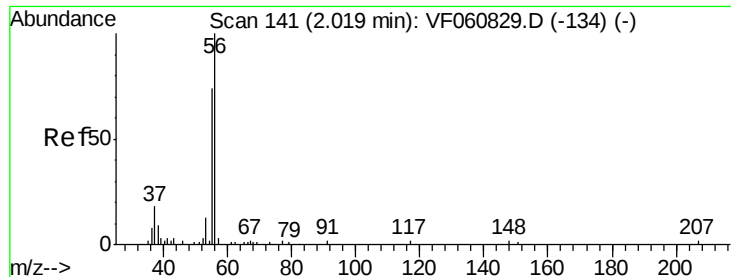
Tot Ion: 59 Resp: 13186
Ion Ratio Lower Upper
59 100
57 12.7 12.7 19.1#



#12
1,1-Dichloroethene
Concen: 19.623 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion: 96 Resp: 30363
Ion Ratio Lower Upper
96 100
61 236.5 177.3 265.9
98 65.5 49.6 74.4





#13

Acrolein

Concen: 82.999 ug/l

RT: 2.02 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

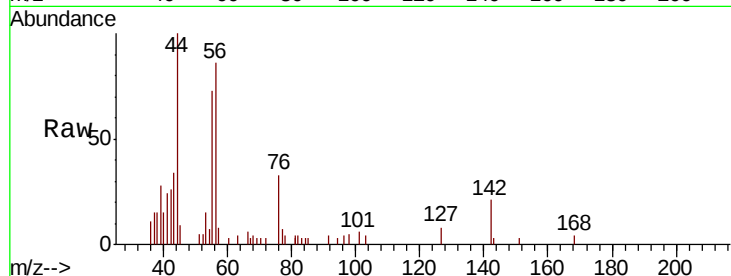
VF1203SBS01

Tot Ion: 56 Resp: 7421

Ion Ratio Lower Upper

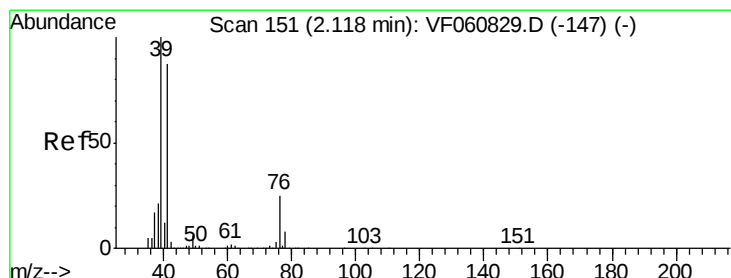
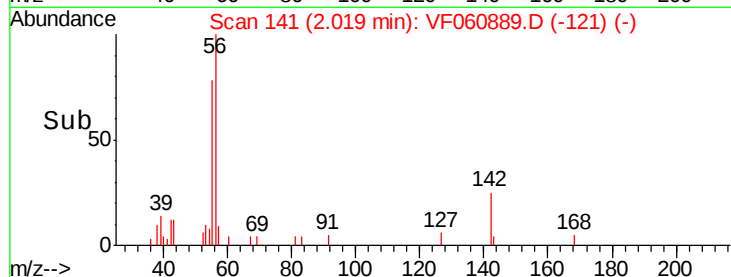
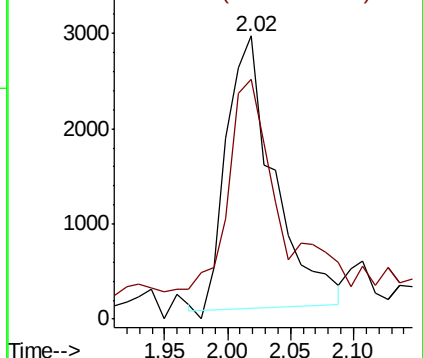
56 100

55 84.9 61.2 91.8



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 19.848 ug/l

RT: 2.11 min Scan# 150

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

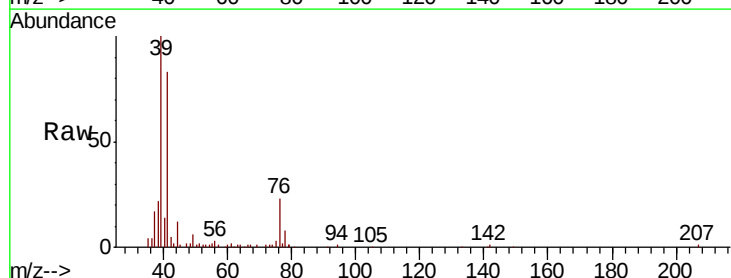
Tgt Ion: 41 Resp: 38280

Ion Ratio Lower Upper

41 100

39 120.8 91.7 137.5

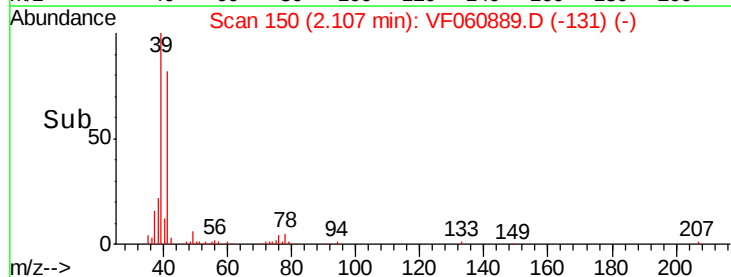
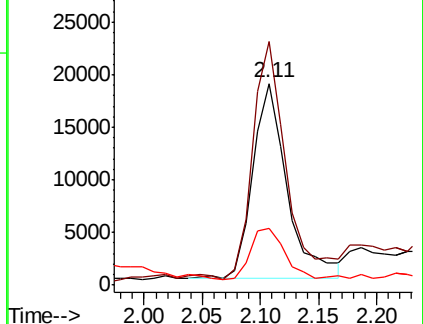
76 28.2 23.5 35.3

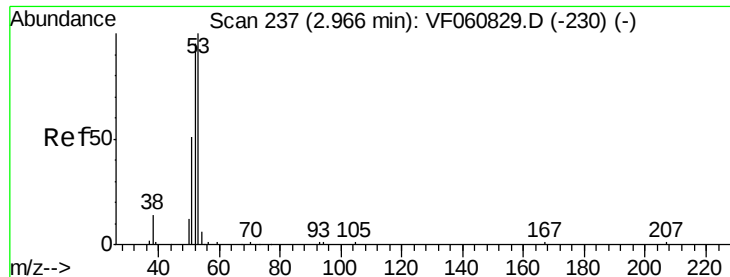


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 119.295 ug/l

RT: 2.97 min Scan# 237

Delta R.T. -0.00 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

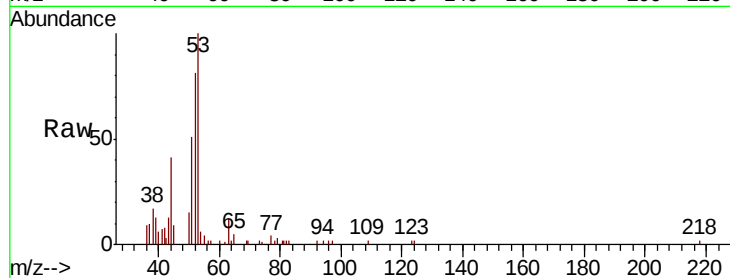
Tot Ion: 53 Resp: 25239

Ion Ratio Lower Upper

53 100

52 80.6 76.5 114.7

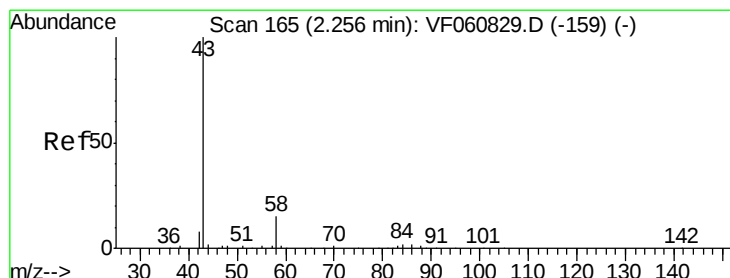
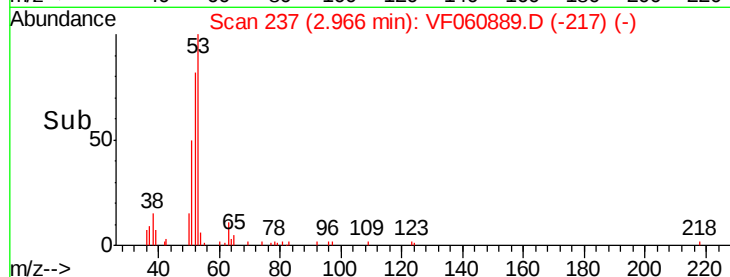
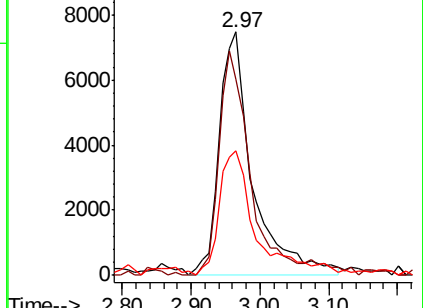
51 51.0 40.7 61.1



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 130.342 ug/l

RT: 2.26 min Scan# 165

Delta R.T. -0.00 min

Lab File: VF060889.D

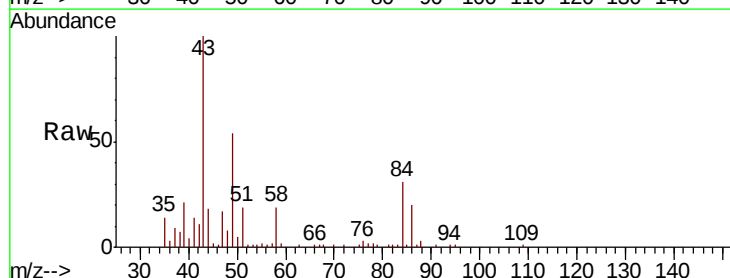
Acq: 3 Dec 2018 14:06

Tgt Ion: 43 Resp: 55333

Ion Ratio Lower Upper

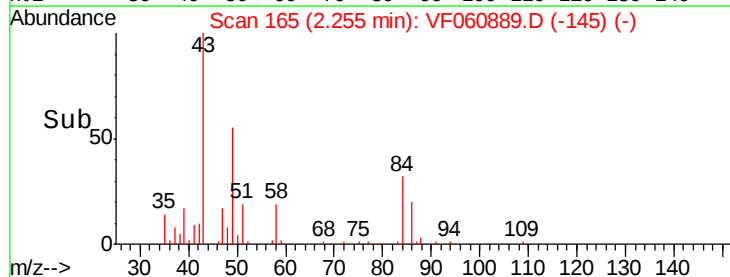
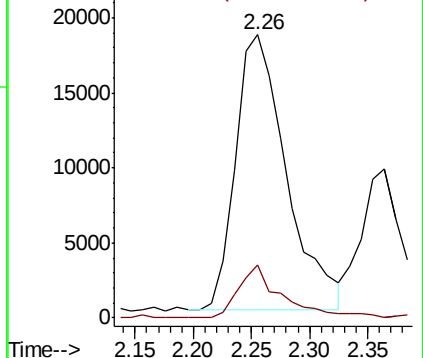
43 100

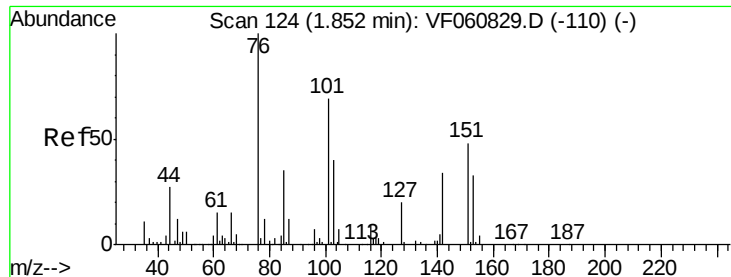
58 18.6 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

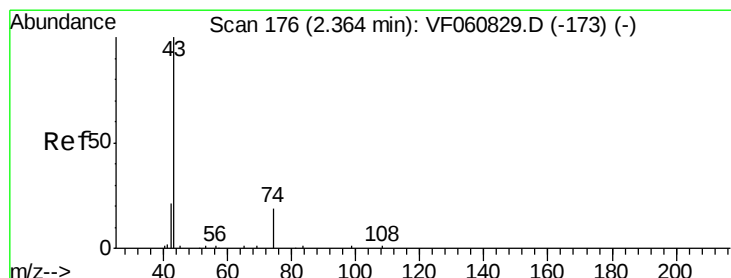
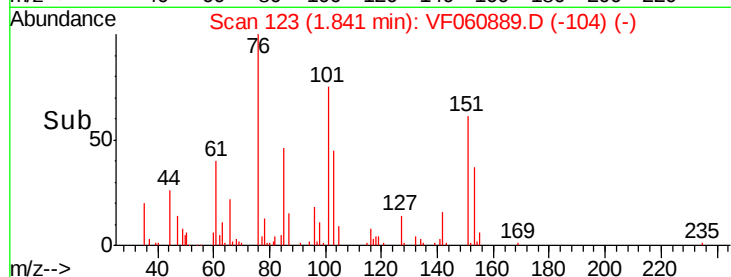
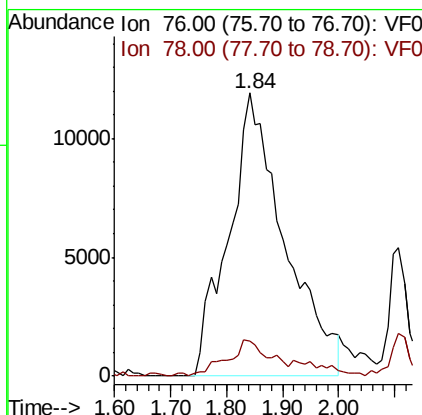
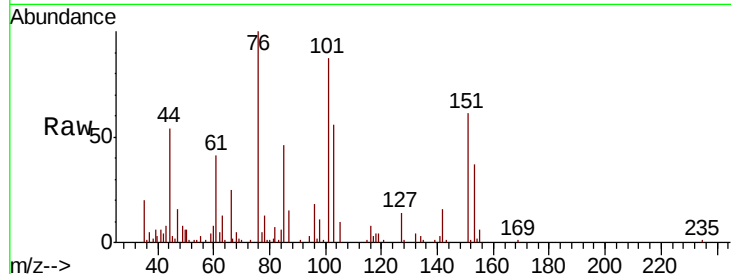




#17
Carbon Disulfide
Concen: 19.856 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

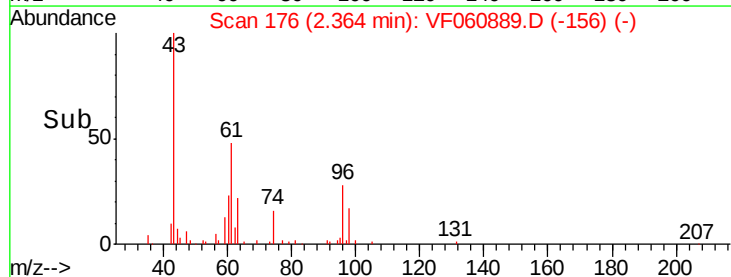
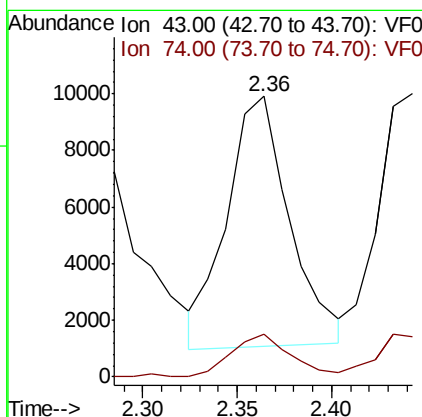
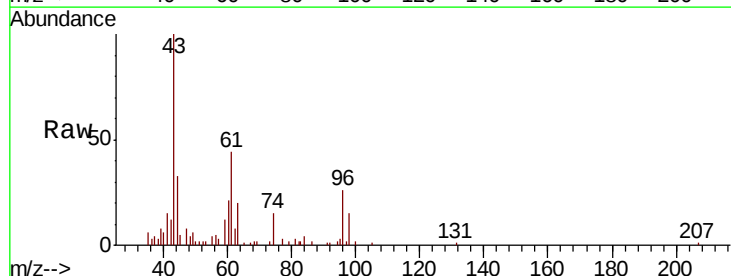
Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

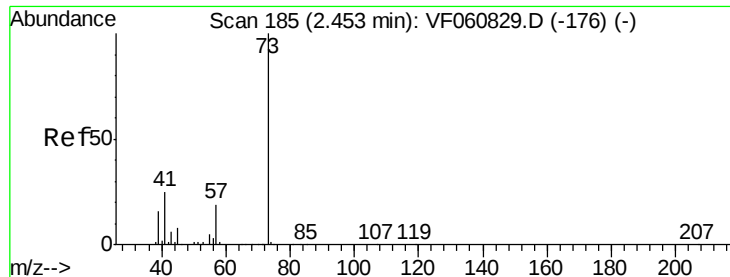
Tot Ion: 76 Resp: 82380
Ion Ratio Lower Upper
76 100
78 12.5 10.2 15.2



#18
Methyl Acetate
Concen: 27.944 ug/l
RT: 2.36 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion: 43 Resp: 20421
Ion Ratio Lower Upper
43 100
74 15.1 13.3 19.9



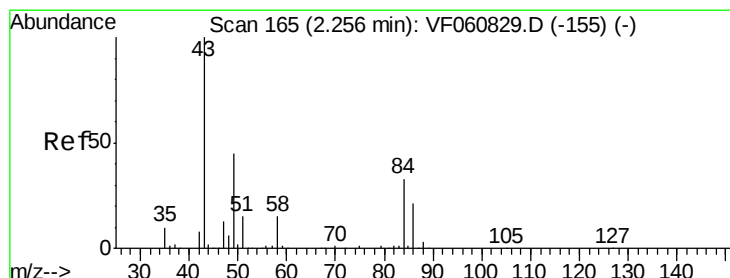
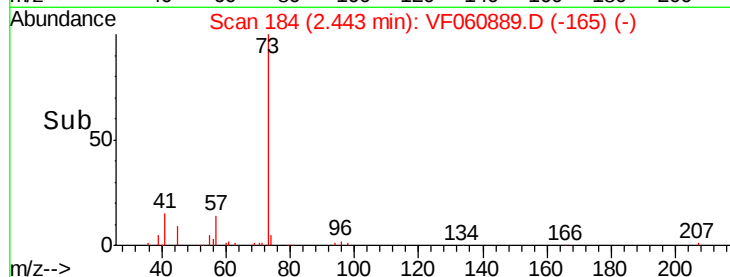
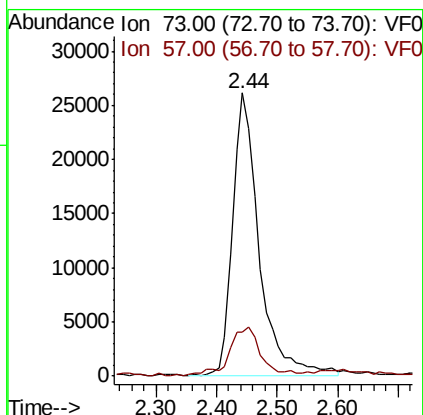
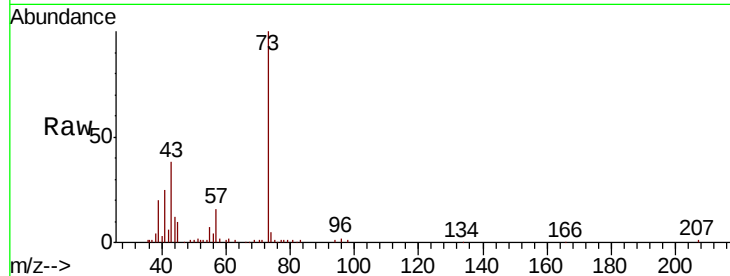


#19

Methyl tert-butyl Ether
 Concen: 23.056 ug/l
 RT: 2.44 min Scan# 184
 Delta R.T. -0.01 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

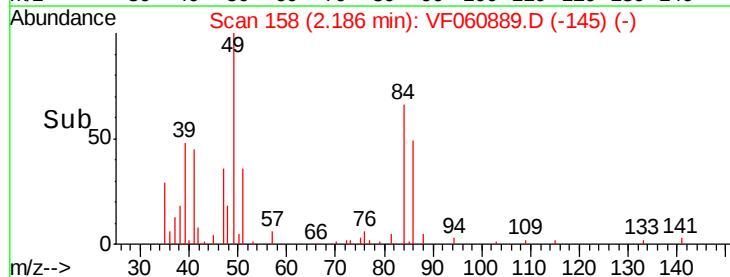
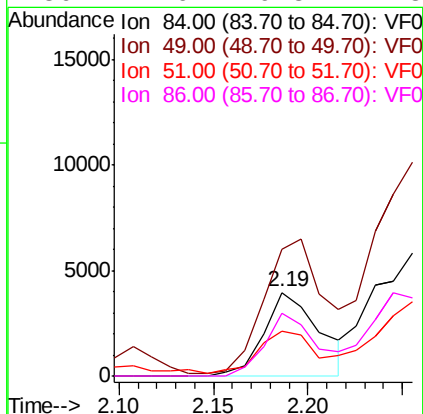
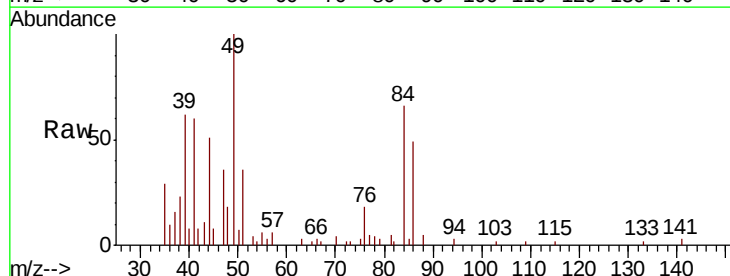
Tot Ion: 73 Resp: 80350
 Ion Ratio Lower Upper
 73 100
 57 15.6 15.3 22.9

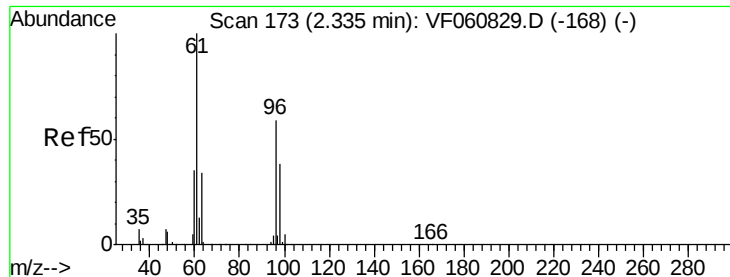


#20

Methylene Chloride
 Concen: 5.186 ug/l
 RT: 2.19 min Scan# 158
 Delta R.T. -0.07 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Tgt Ion: 84 Resp: 8077
 Ion Ratio Lower Upper
 84 100
 49 152.1 111.3 166.9
 51 54.4 38.0 57.0
 86 74.6 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 16.897 ug/l

RT: 2.32 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

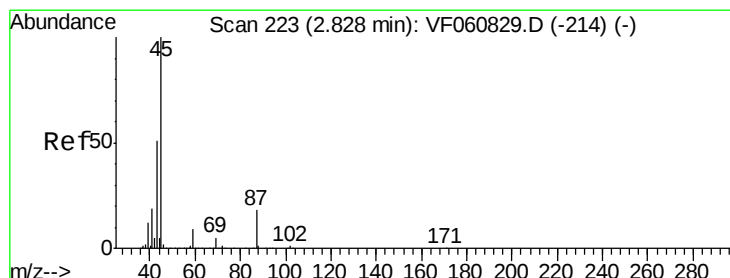
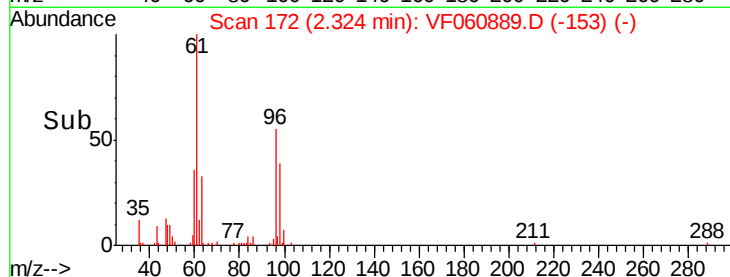
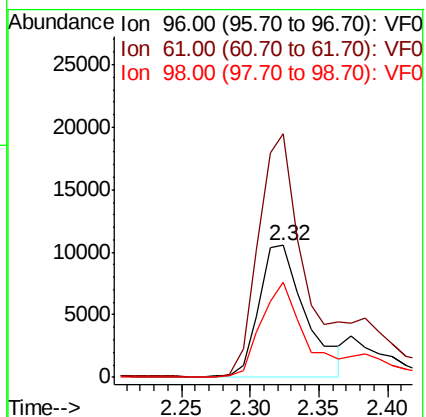
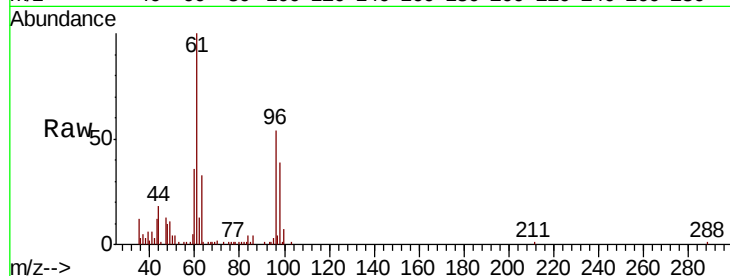
Tot Ion: 96 Resp: 25206

Ion Ratio Lower Upper

96 100

61 184.4 134.5 201.7

98 72.0 51.6 77.4



#22

Diisopropyl ether

Concen: 22.264 ug/l

RT: 2.82 min Scan# 222

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Tgt Ion: 45 Resp: 116879

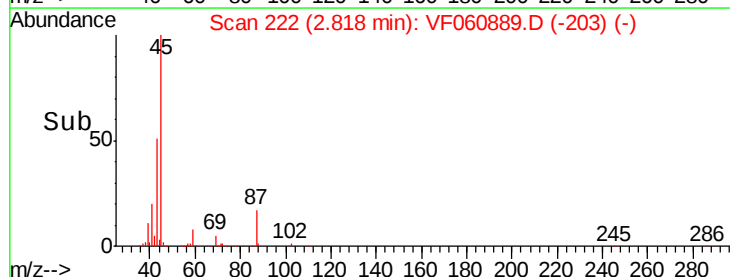
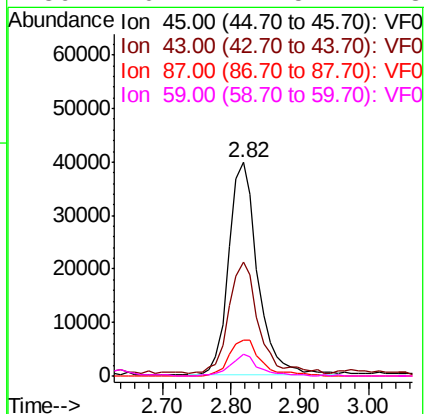
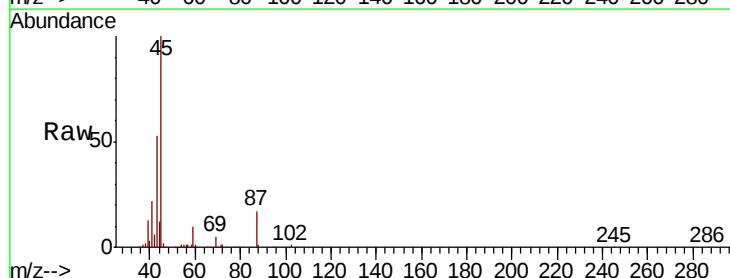
Ion Ratio Lower Upper

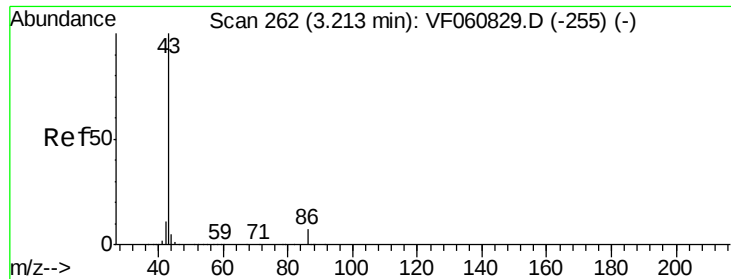
45 100

43 53.2 41.0 61.6

87 16.6 14.6 22.0

59 10.1 7.5 11.3





#23

Vinyl Acetate

Concen: 126.256 ug/l

RT: 3.20 min Scan# 261

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

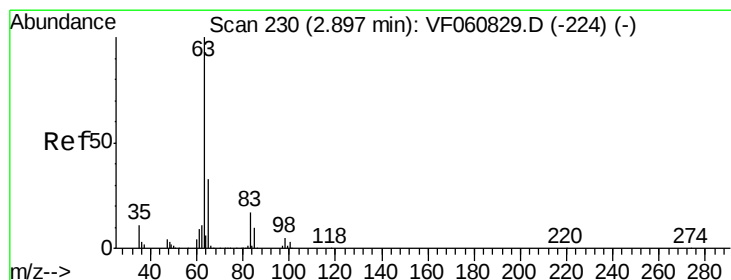
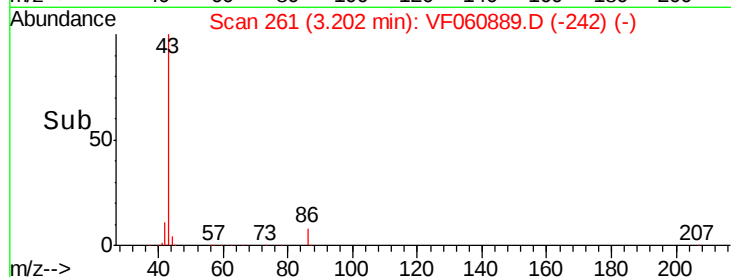
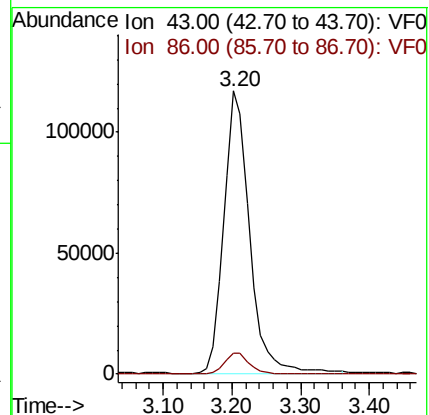
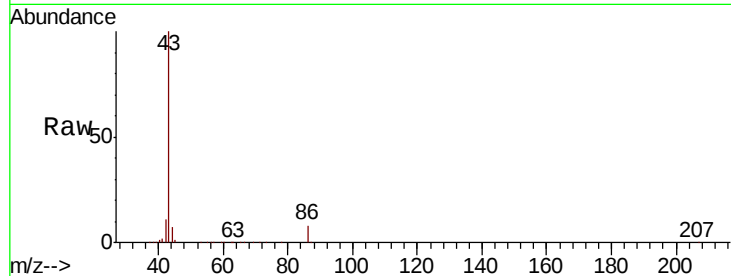
VF1203SBS01

Tot Ion: 43 Resp: 302975

Ion Ratio Lower Upper

43 100

86 7.5 5.4 8.0



#24

1,1-Dichloroethane

Concen: 21.137 ug/l

RT: 2.89 min Scan# 229

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

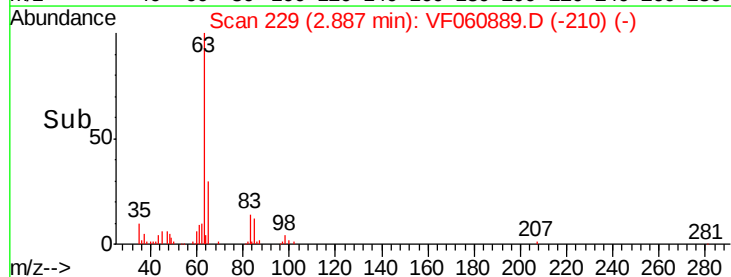
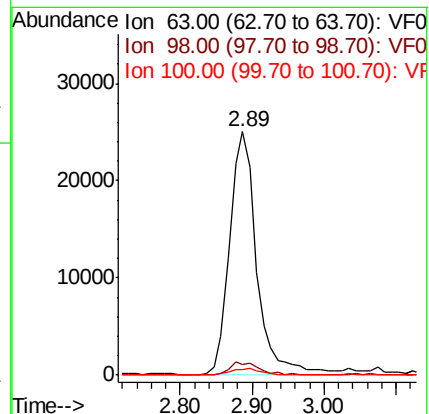
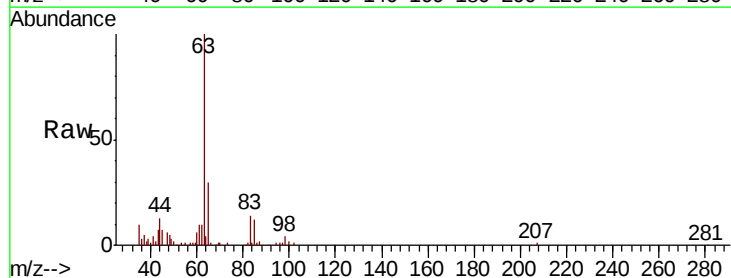
Tgt Ion: 63 Resp: 66019

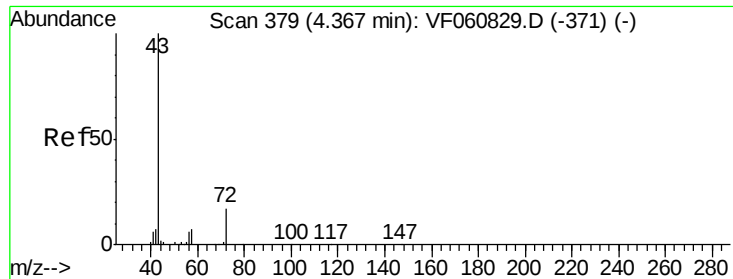
Ion Ratio Lower Upper

63 100

98 4.2 2.7 8.1

100 2.1 1.5 4.5

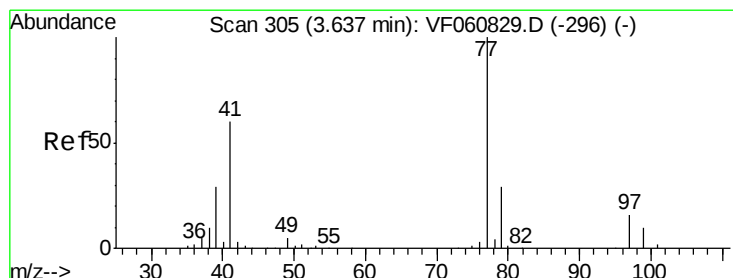
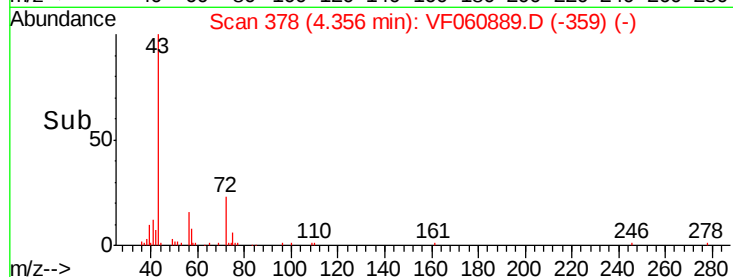
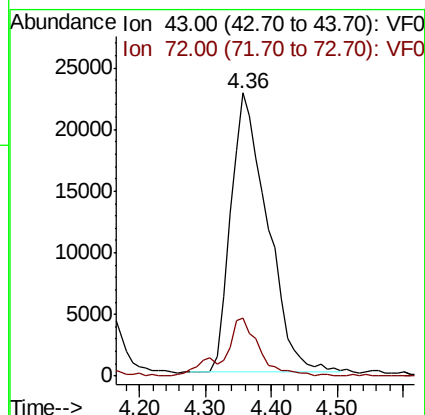
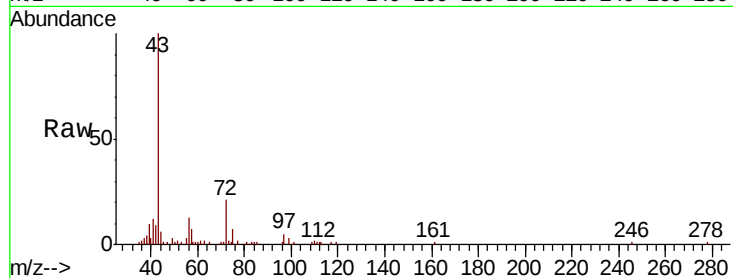




#25
2-Butanone
Concen: 120.883 ug/l
RT: 4.36 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

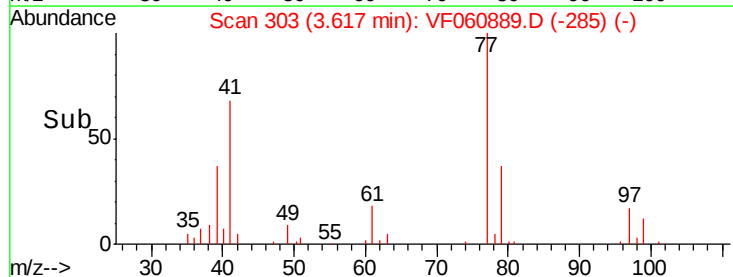
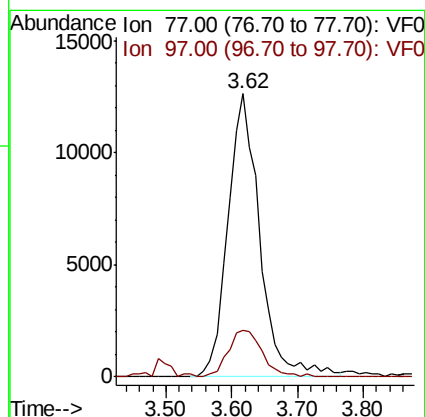
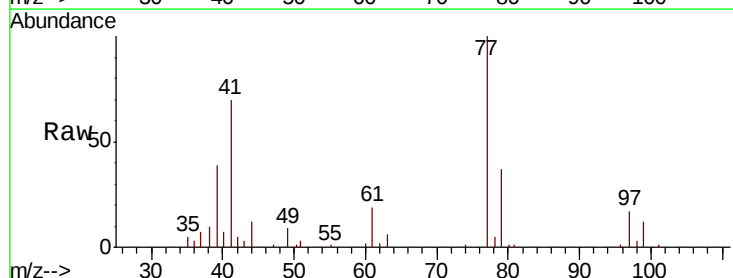
Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

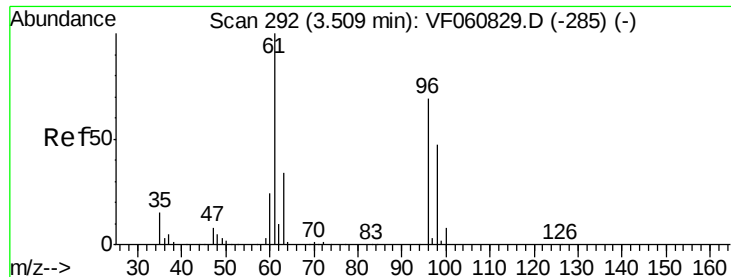
Tot Ion: 43 Resp: 88761
Ion Ratio Lower Upper
43 100
72 20.5 15.4 23.2



#26
2,2-Dichloropropane
Concen: 21.151 ug/l
RT: 3.62 min Scan# 303
Delta R.T. -0.02 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion: 77 Resp: 42828
Ion Ratio Lower Upper
77 100
97 16.6 8.6 25.8



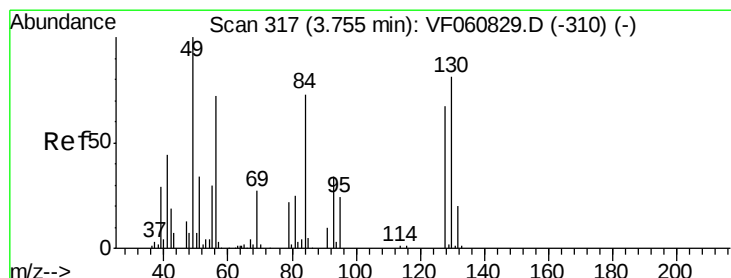
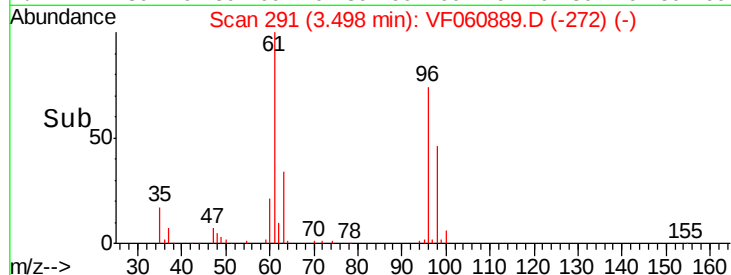
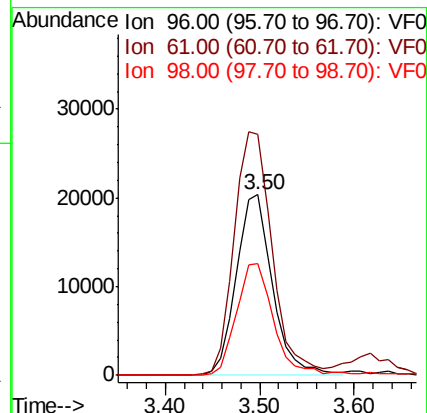
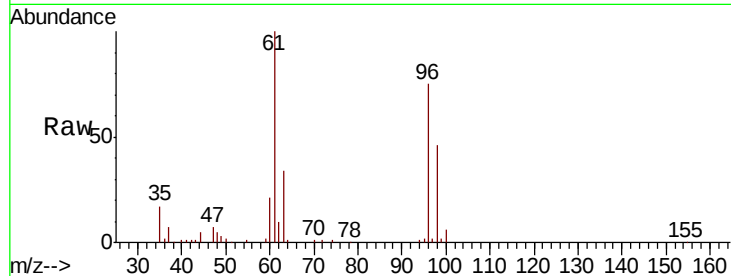


#27

cis-1,2-Dichloroethene
Concen: 22.287 ug/l
RT: 3.50 min Scan# 291
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

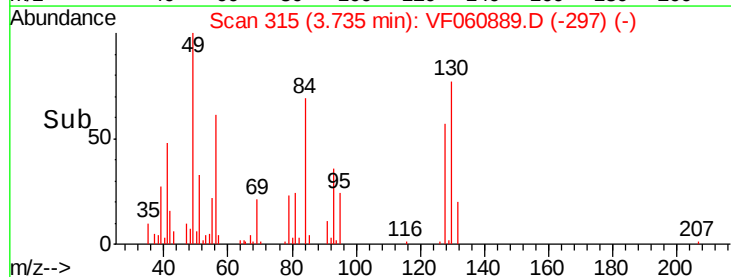
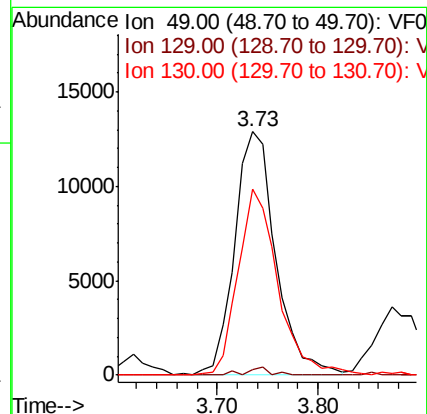
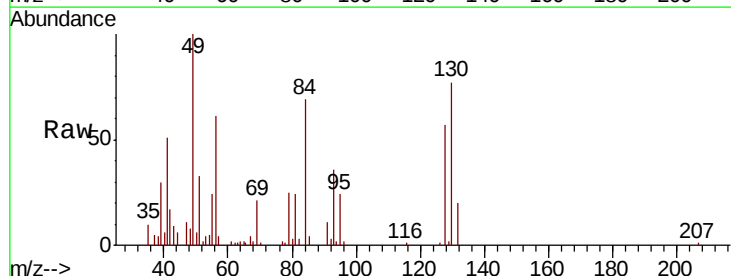
Tot Ion	Ratio	Lower	Upper
96	100		
61	133.6	0.0	290.6
98	61.6	0.0	137.8



#28

Bromochloromethane
Concen: 24.394 ug/l
RT: 3.73 min Scan# 315
Delta R.T. -0.02 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.4
130	76.7	64.2	96.4

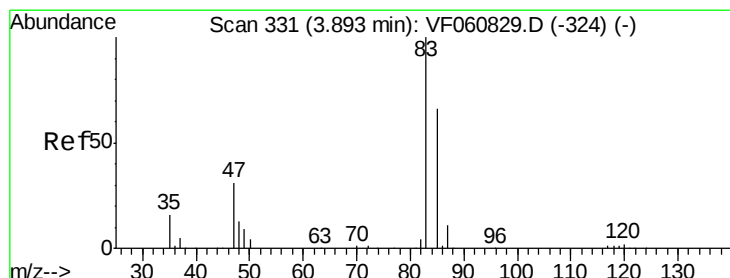
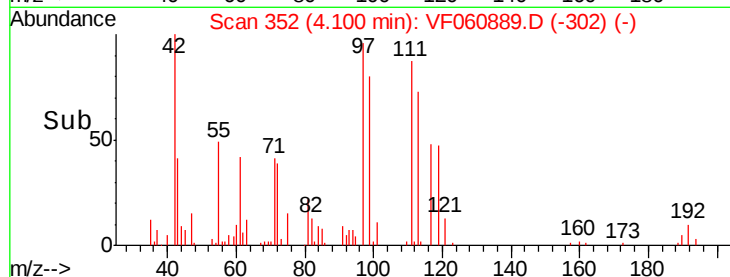
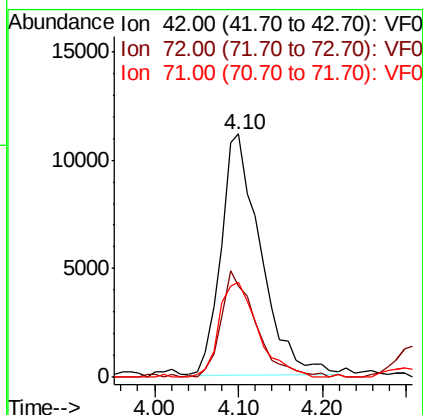
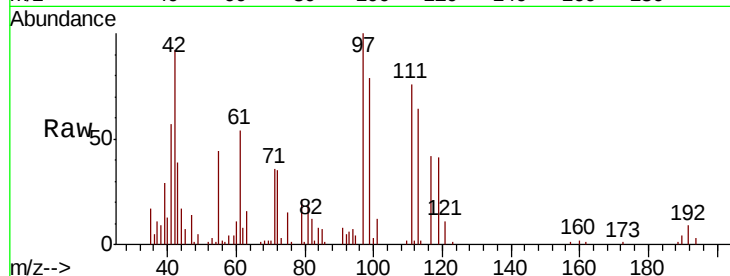




#29
Tetrahydrofuran
Concen: 116.785 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

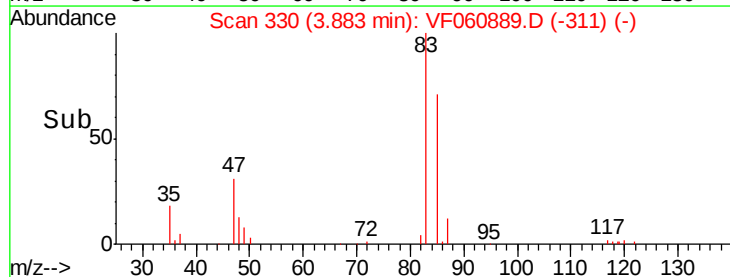
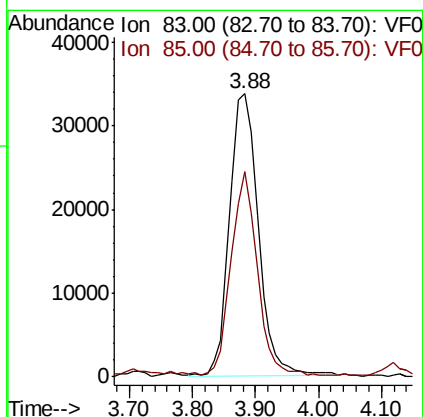
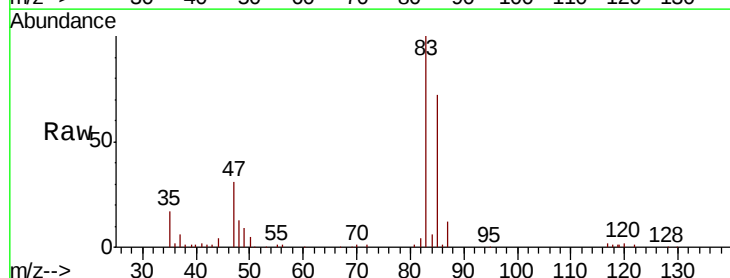
Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

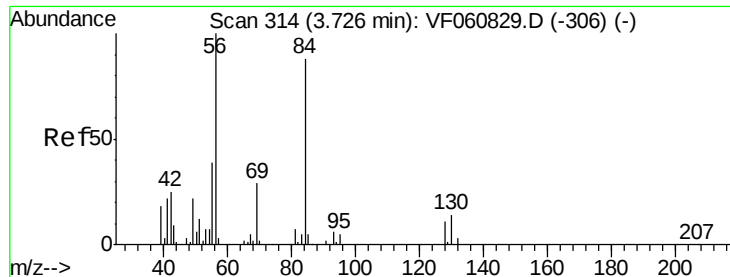
Tot Ion: 42 Resp: 36349
Ion Ratio Lower Upper
42 100
72 39.2 31.9 47.9
71 39.1 28.7 43.1



#30
Chloroform
Concen: 22.225 ug/l
RT: 3.88 min Scan# 330
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion: 83 Resp: 106835
Ion Ratio Lower Upper
83 100
85 72.4 53.4 80.2

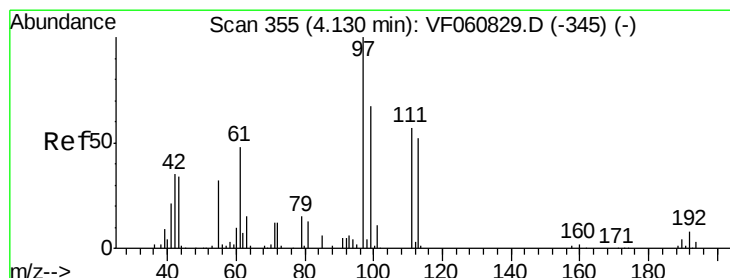
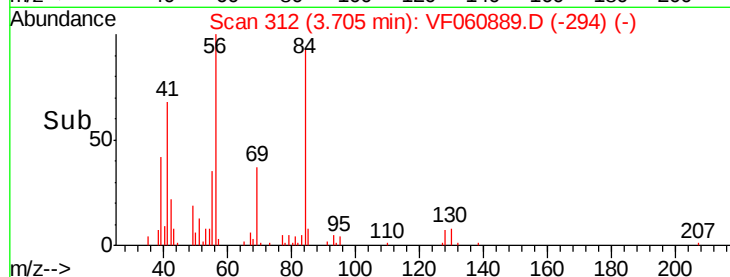
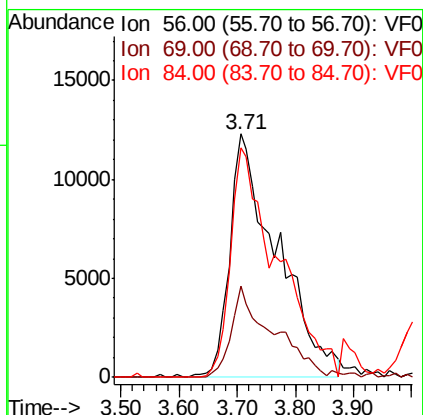
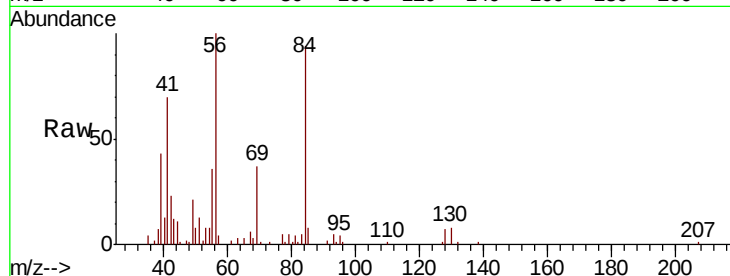




#31
Cyclohexane
Concen: 21.451 ug/l
RT: 3.71 min Scan# 312
Delta R.T. -0.02 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

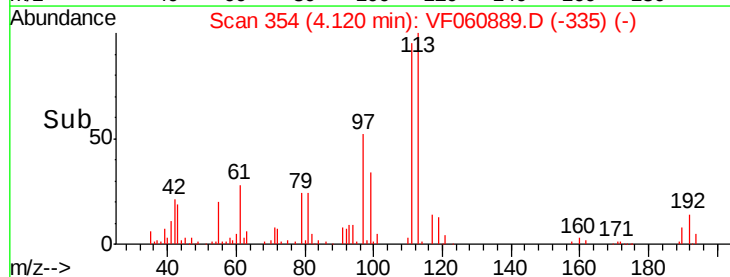
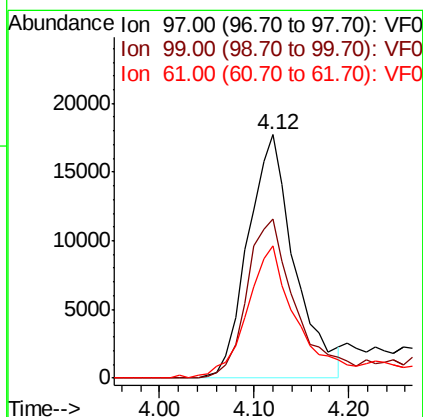
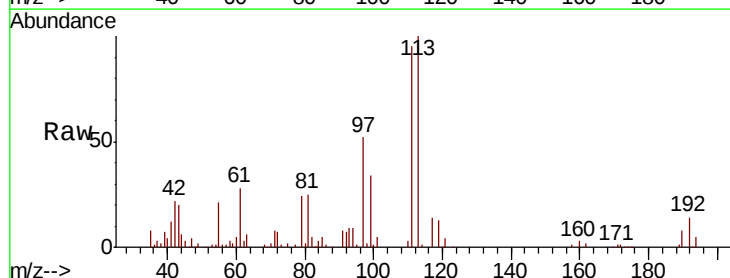
Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

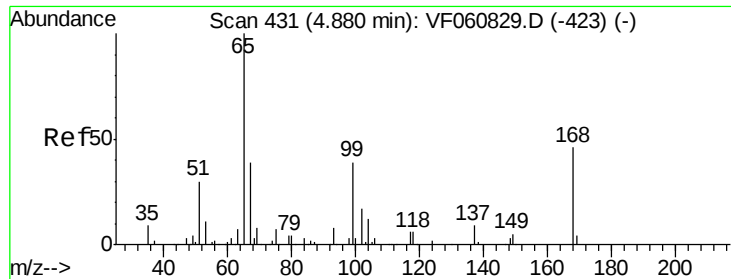
Tot Ion: 56 Resp: 69533
Ion Ratio Lower Upper
56 100
69 37.3 23.0 34.4#
84 94.2 70.4 105.6



#32
1,1,1-Trichloroethane
Concen: 18.246 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion: 97 Resp: 60827
Ion Ratio Lower Upper
97 100
99 65.2 53.5 80.3
61 54.2 38.6 58.0





#33

1,2-Dichloroethane-d4

Concen: 60.747 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

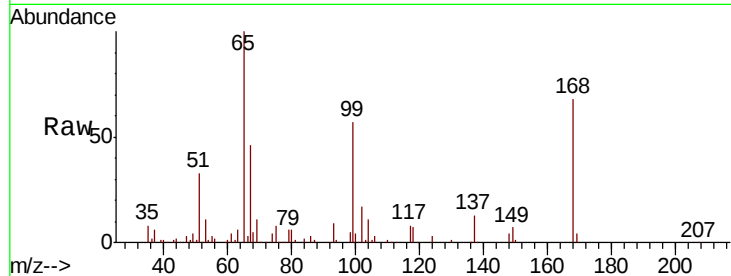
VF1203SBS01

Tot Ion: 65 Resp: 139846

Ion Ratio Lower Upper

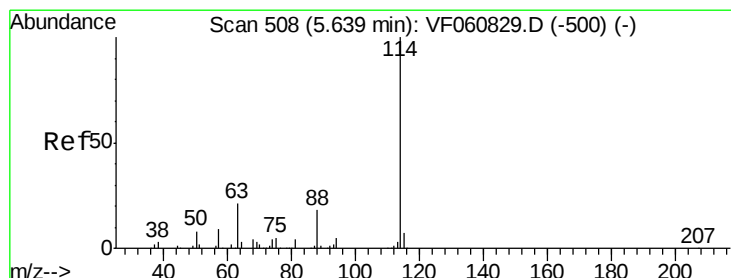
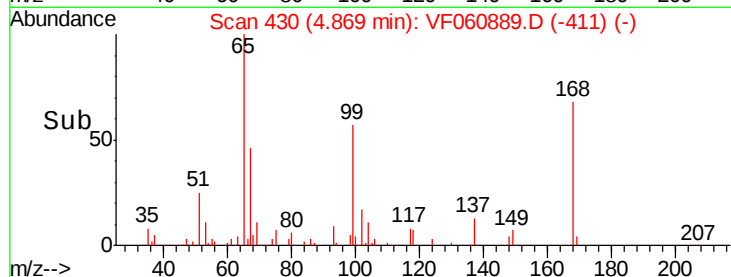
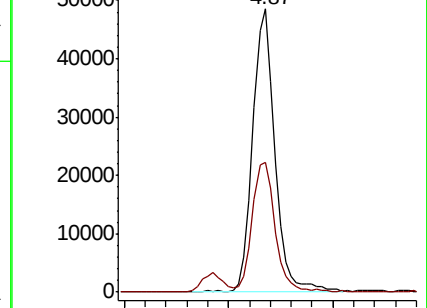
65 100

67 45.8 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: VF060889.D

Acq: 3 Dec 2018 14:06

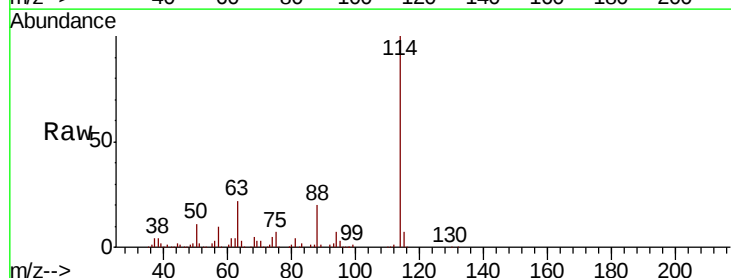
Tgt Ion: 114 Resp: 316283

Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.6

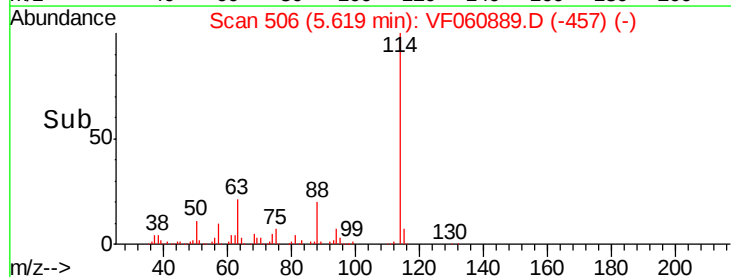
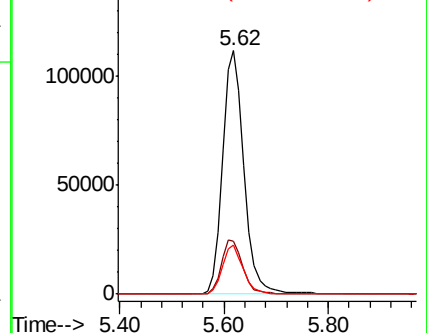
88 20.1 0.0 36.6



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

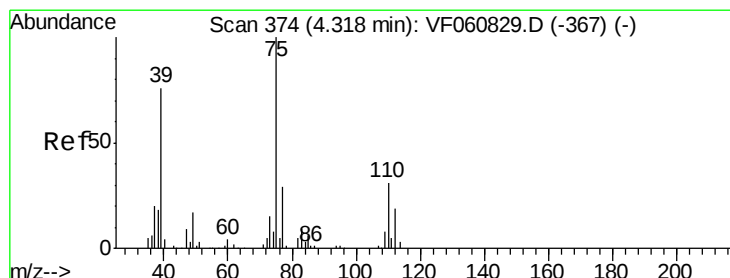
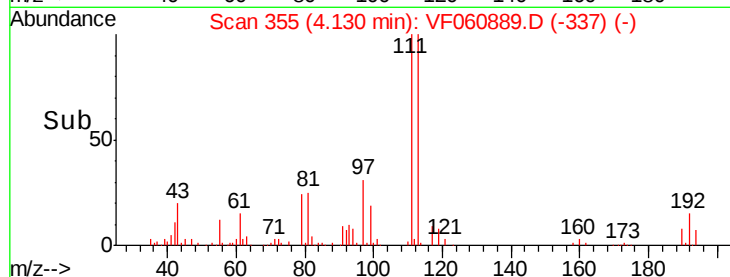
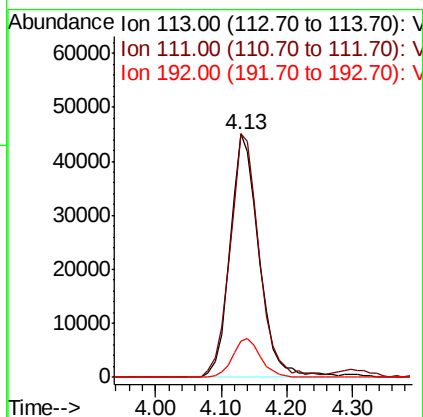
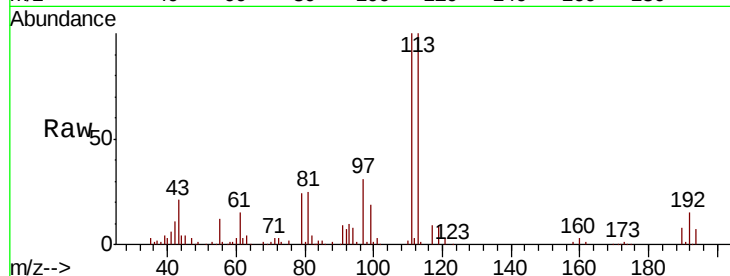




#35
 Dibromofluoromethane
 Concen: 55.294 ug/l
 RT: 4.13 min Scan# 355
 Delta R.T. -0.02 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

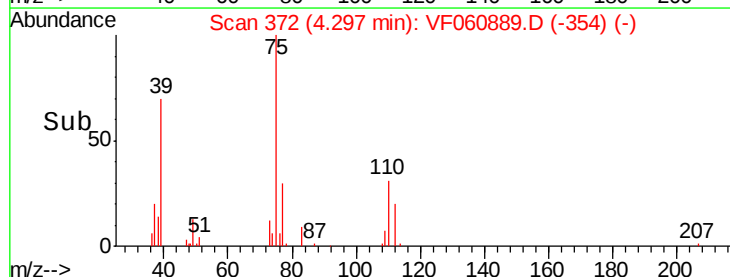
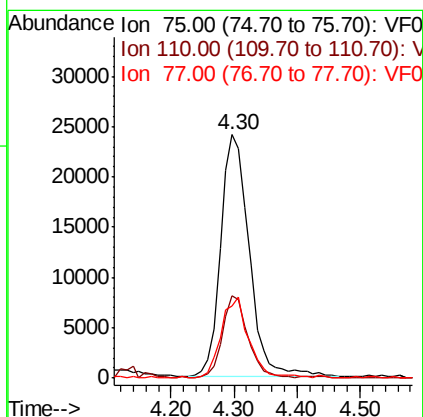
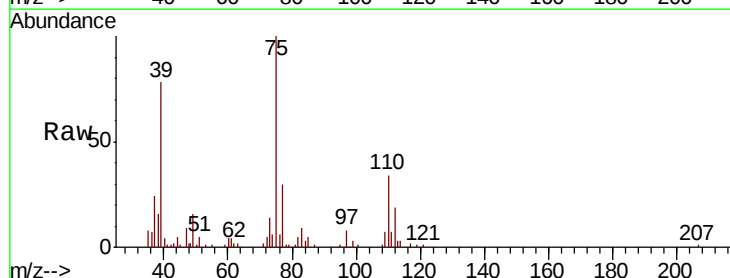
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

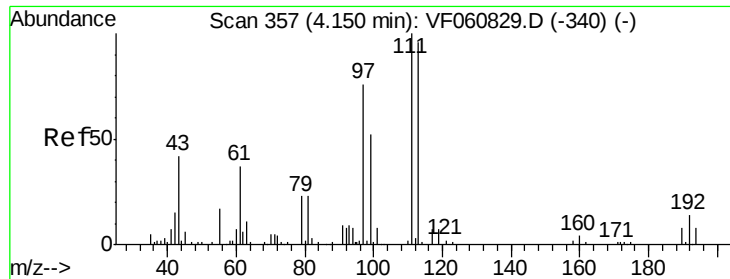
Tot Ion:113 Resp: 138741
 Ion Ratio Lower Upper
 113 100
 111 100.2 83.0 124.6
 192 15.3 12.3 18.5



#36
 1,1-Dichloropropene
 Concen: 21.650 ug/l
 RT: 4.30 min Scan# 372
 Delta R.T. -0.02 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Tgt Ion: 75 Resp: 75949
 Ion Ratio Lower Upper
 75 100
 110 33.9 15.6 46.8
 77 29.8 23.4 35.0





#37

Ethyl Acetate

Concen: 25.063 ug/l

RT: 4.13 min Scan# 355

Delta R.T. -0.02 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

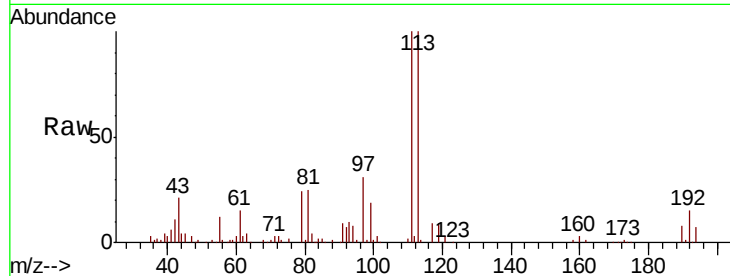
Tot Ion: 43 Resp: 35730

Ion Ratio Lower Upper

43 100

61 72.2 68.6 103.0

70 6.5 9.0 13.4#

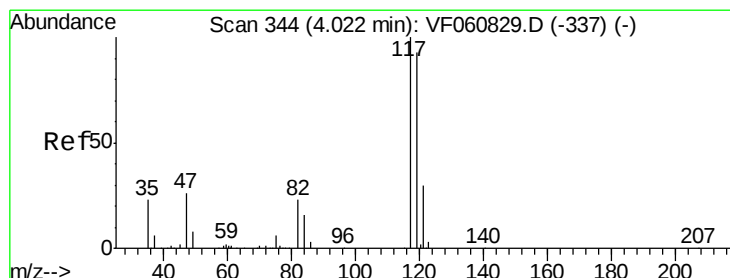
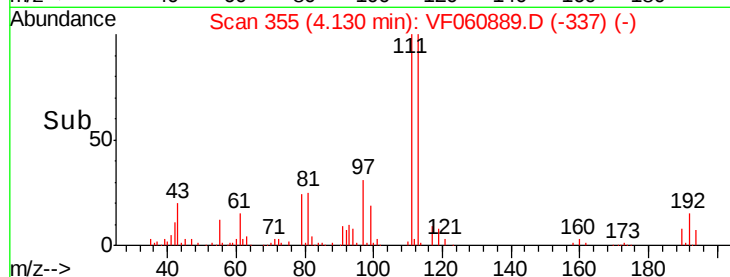
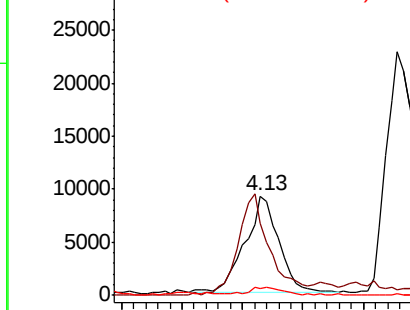


Abundance

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: 21.407 ug/l

RT: 4.01 min Scan# 343

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

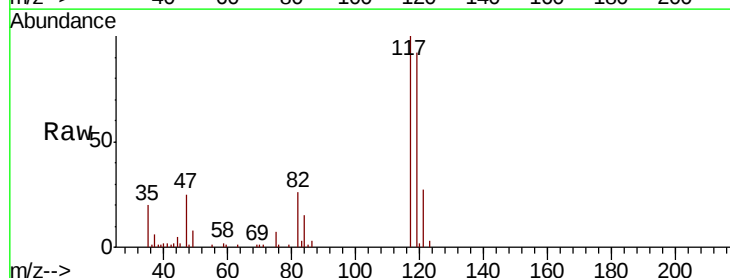
Tgt Ion: 117 Resp: 66330

Ion Ratio Lower Upper

117 100

119 92.0 74.4 111.6

121 27.4 23.5 35.3

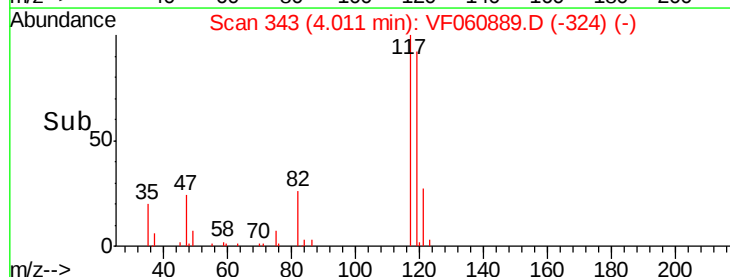
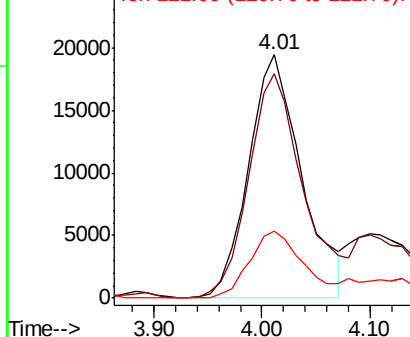


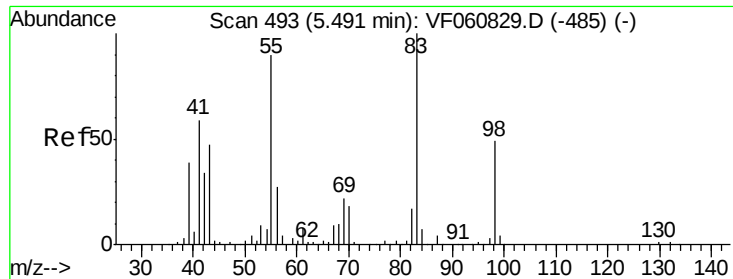
Abundance

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

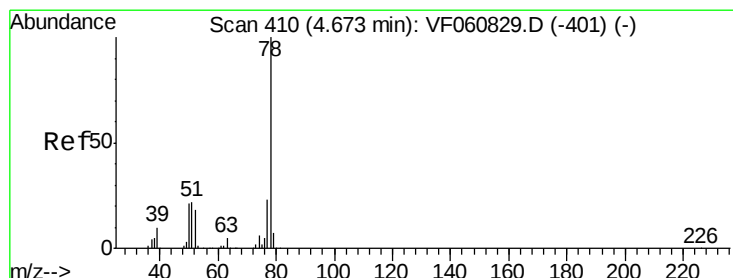
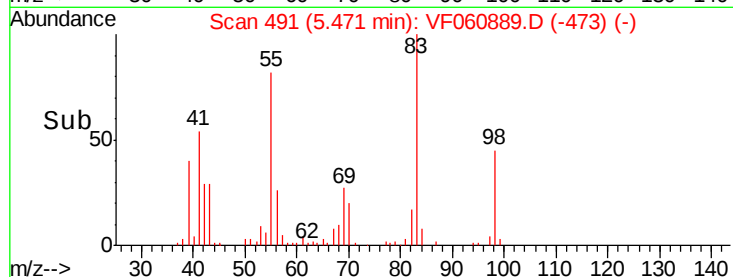
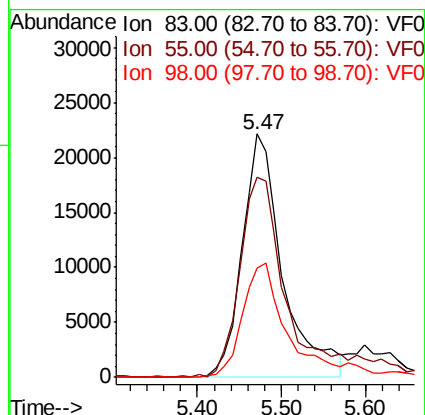
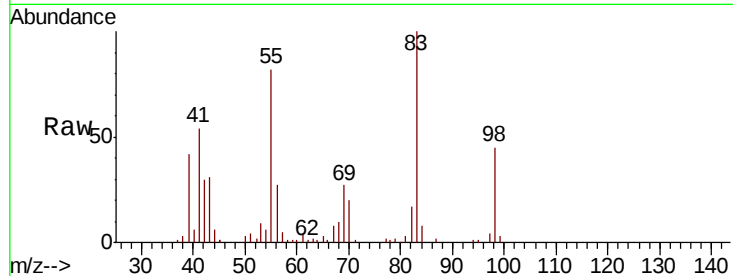




#39
Methylvlcyclohexane
Concen: 20.281 ug/l
RT: 5.47 min Scan# 491
Delta R.T. -0.02 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

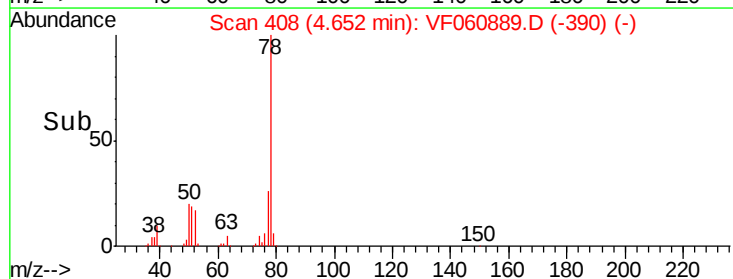
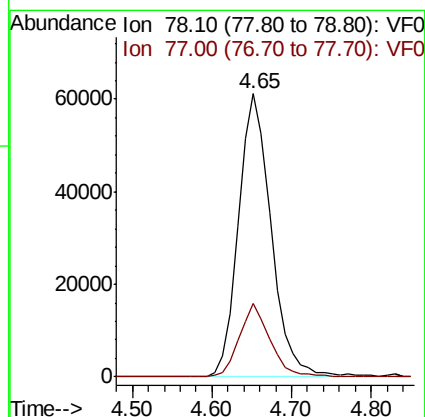
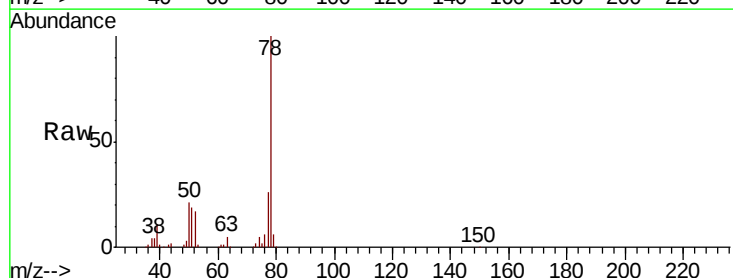
Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

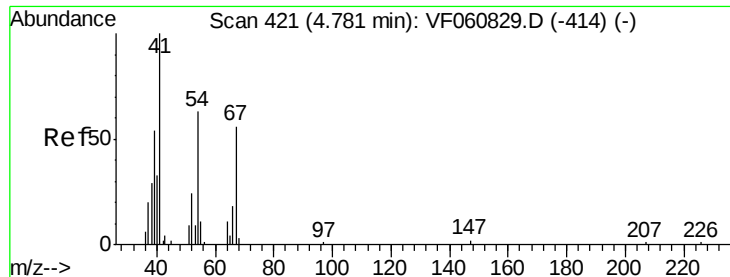
Tot Ion: 83 Resp: 74560
Ion Ratio Lower Upper
83 100
55 82.2 72.1 108.1
98 44.7 39.1 58.7



#40
Benzene
Concen: 22.413 ug/l
RT: 4.65 min Scan# 408
Delta R.T. -0.02 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion: 78 Resp: 173701
Ion Ratio Lower Upper
78 100
77 25.9 18.7 28.1

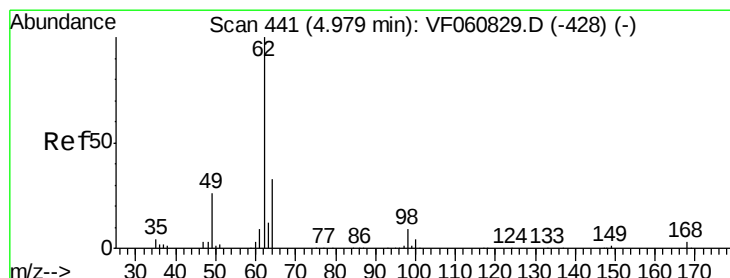
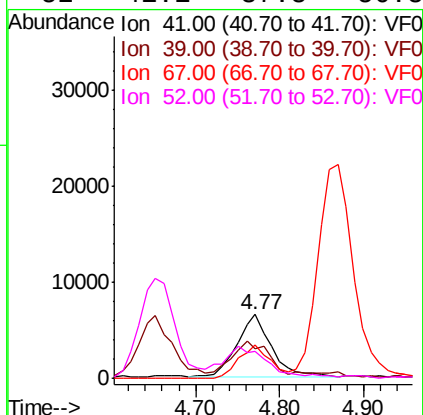
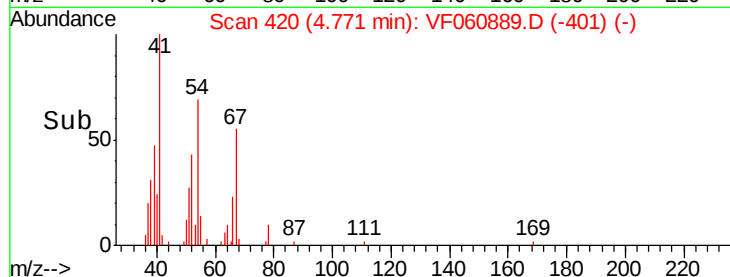
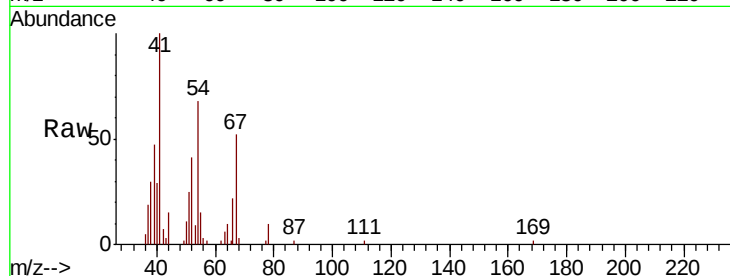




#41
Methacrylonitrile
Concen: 23.012 ug/l
RT: 4.77 min Scan# 420
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

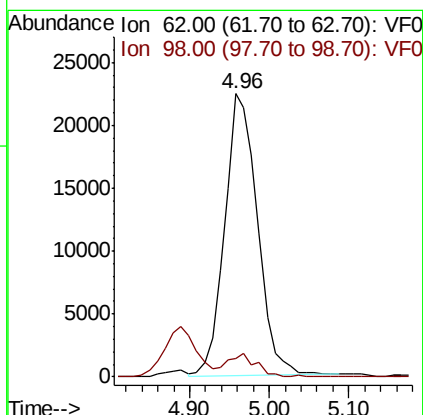
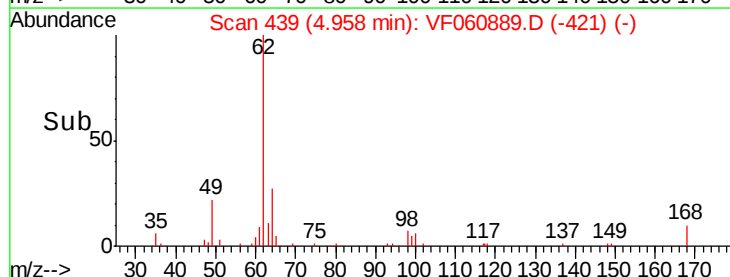
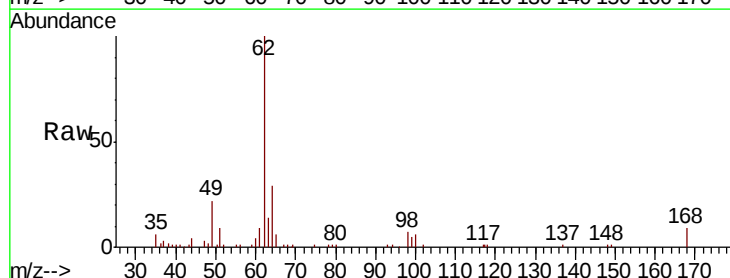
Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

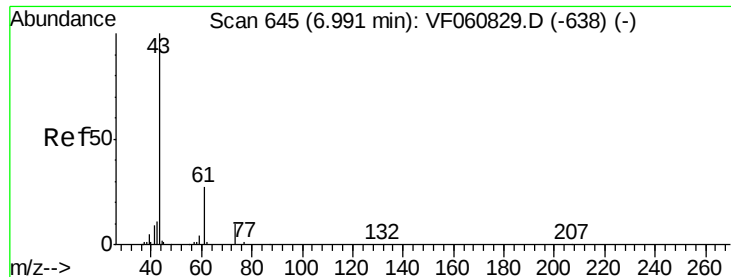
Tot Ion:	41	Resp:	18531
Ion	Ratio	Lower	Upper
41	100		
39	46.6	53.0	79.6#
67	52.3	43.8	65.6
52	41.1	37.8	56.8



#42
1,2-Dichloroethane
Concen: 22.785 ug/l
RT: 4.96 min Scan# 439
Delta R.T. -0.02 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion:	62	Resp:	64469
Ion	Ratio	Lower	Upper
62	100		
98	6.6	0.0	17.2



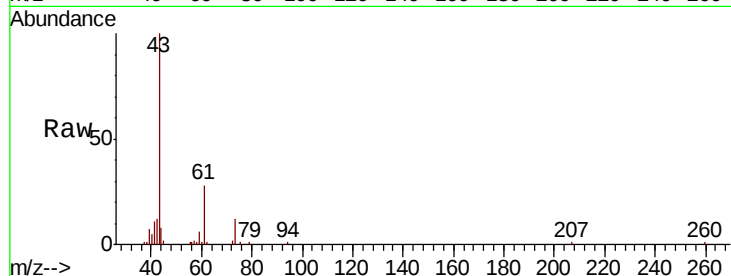


#43

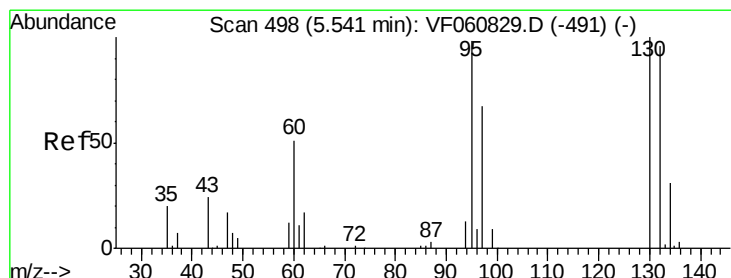
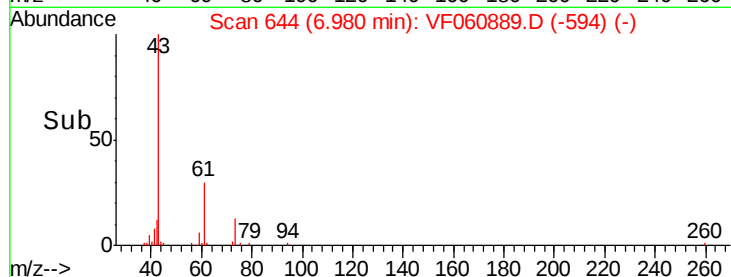
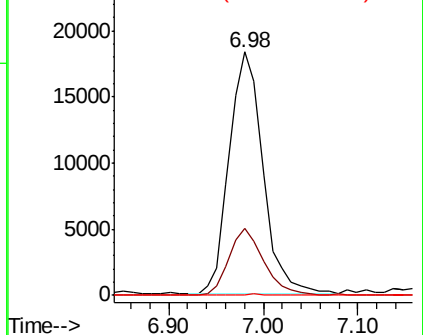
Isopropyl Acetate
 Concen: 24.212 ug/l
 RT: 6.98 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

Tot Ion: 43 Resp: 45055
 Ion Ratio Lower Upper
 43 100
 61 27.5 21.4 32.0
 87 0.0 0.2 0.4#



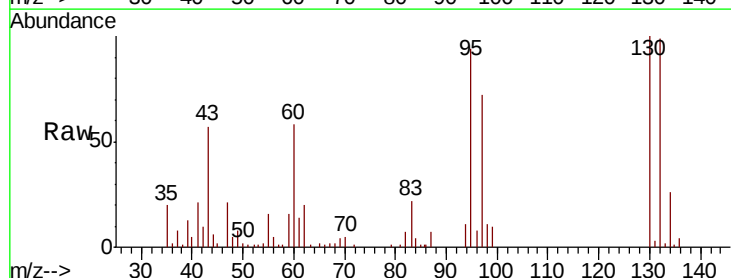
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



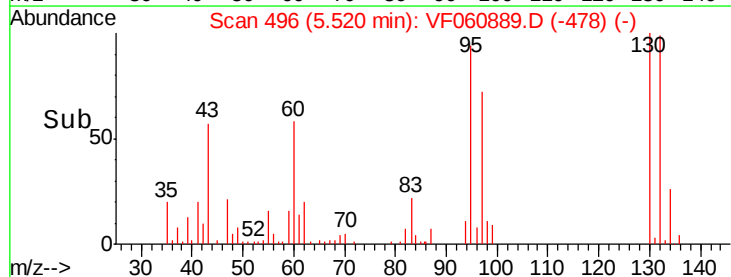
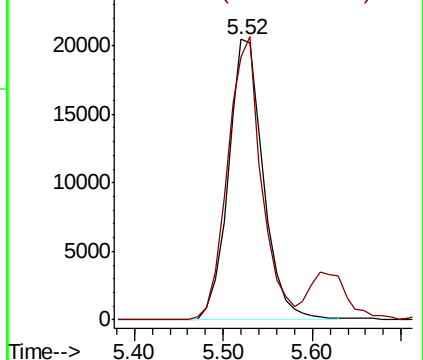
#44

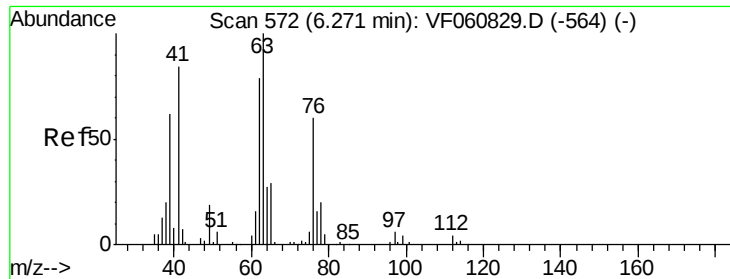
Trichloroethene
 Concen: 22.110 ug/l
 RT: 5.52 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Tgt Ion: 130 Resp: 56028
 Ion Ratio Lower Upper
 130 100
 95 93.7 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: 23.200 ug/l

RT: 6.26 min Scan# 571

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

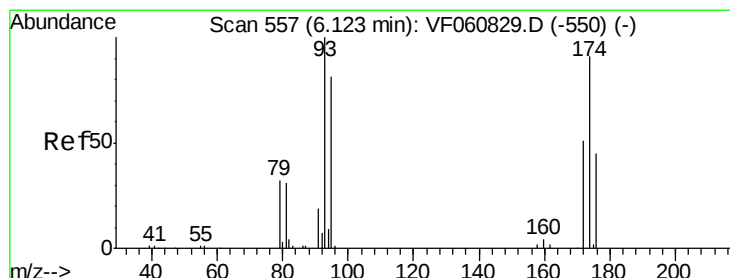
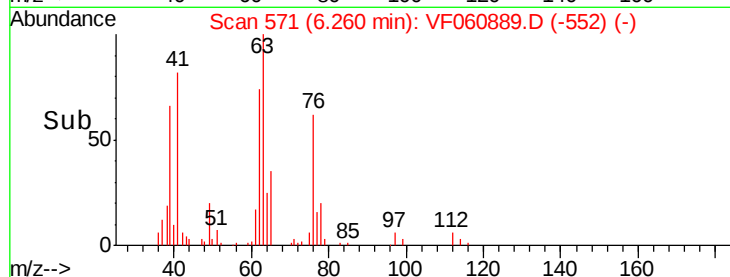
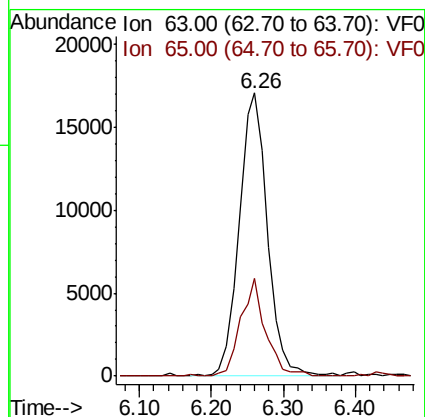
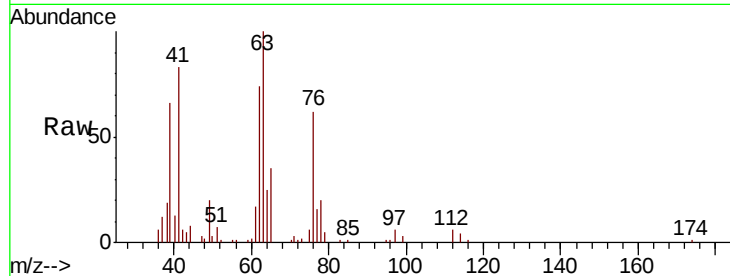
VF1203SBS01

Tot Ion: 63 Resp: 46698

Ion Ratio Lower Upper

63 100

65 34.6 23.2 34.8



#46

Dibromomethane

Concen: 24.026 ug/l

RT: 6.11 min Scan# 556

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

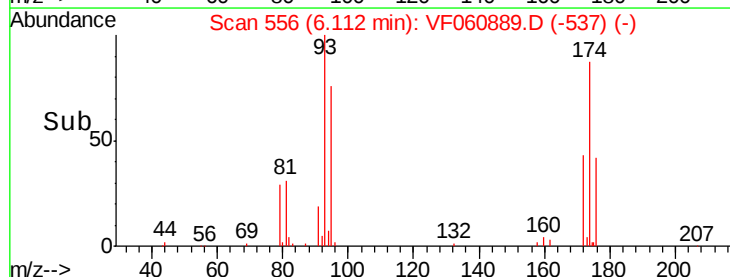
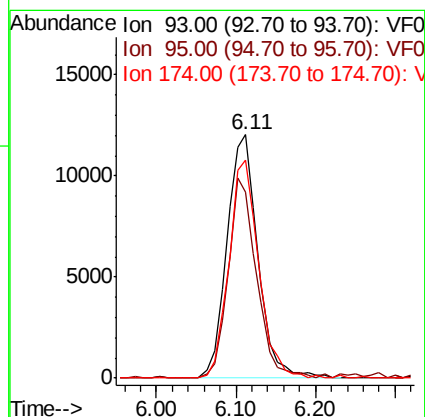
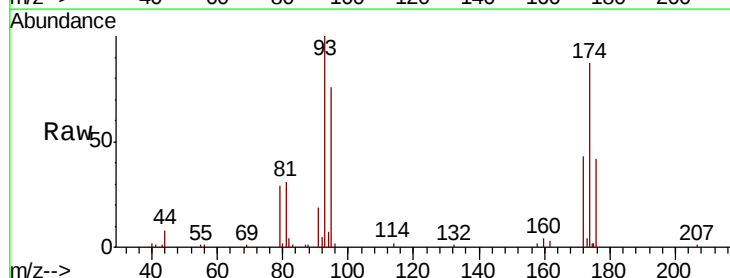
Tgt Ion: 93 Resp: 32806

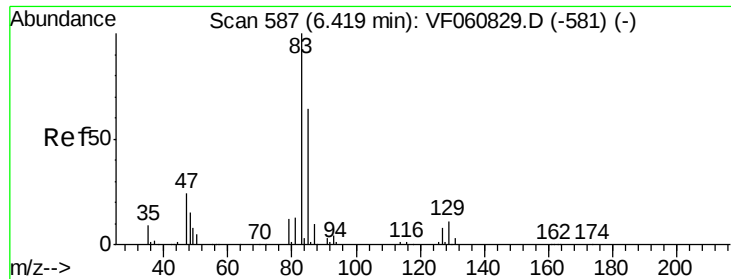
Ion Ratio Lower Upper

93 100

95 76.2 64.7 97.1

174 89.4 73.0 109.6





#47

Bromodichloromethane

Concen: 22.275 ug/l

RT: 6.41 min Scan# 586

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

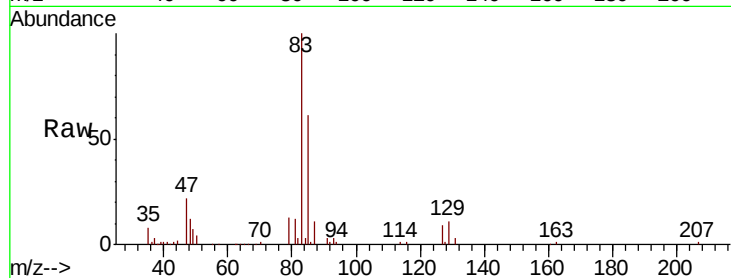
Tot Ion: 83 Resp: 80782

Ion Ratio Lower Upper

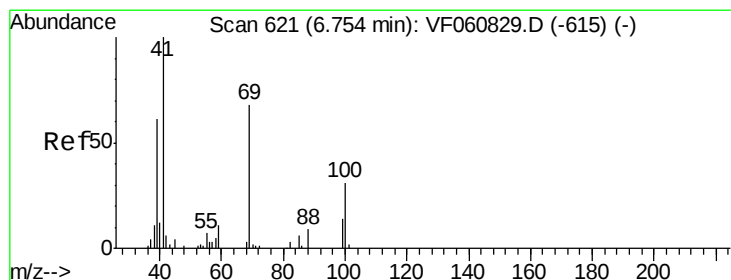
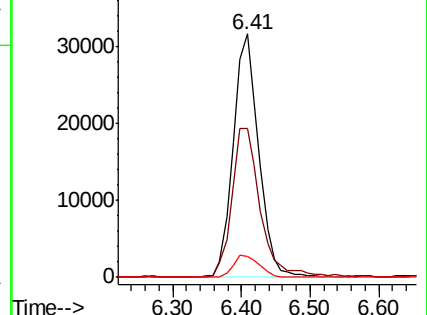
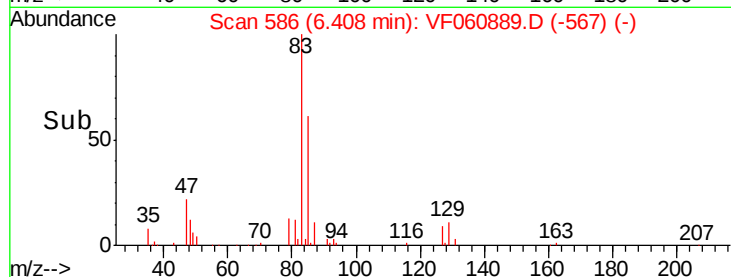
83 100

85 61.2 51.1 76.7

127 8.8 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 21.845 ug/l

RT: 6.73 min Scan# 619

Delta R.T. -0.02 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

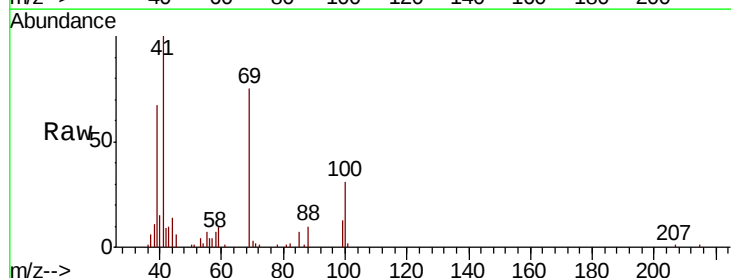
Tgt Ion: 41 Resp: 28189

Ion Ratio Lower Upper

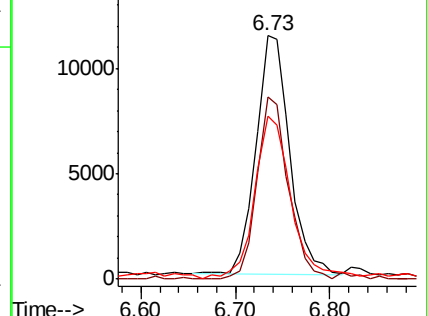
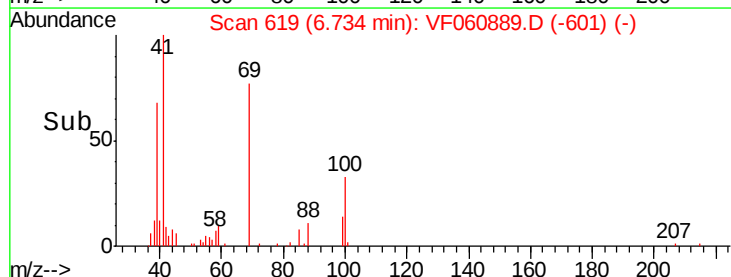
41 100

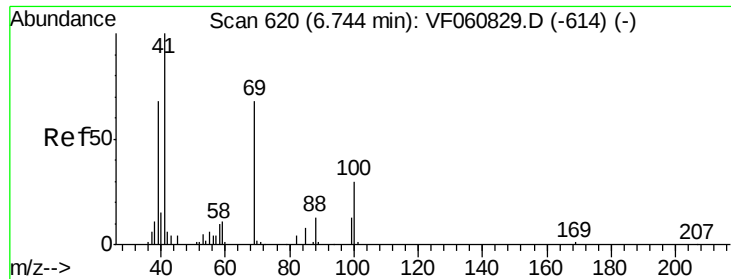
69 75.0 53.9 80.9

39 67.0 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: 437.519 ug/l

RT: 6.72 min Scan# 618

Delta R.T. -0.02 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

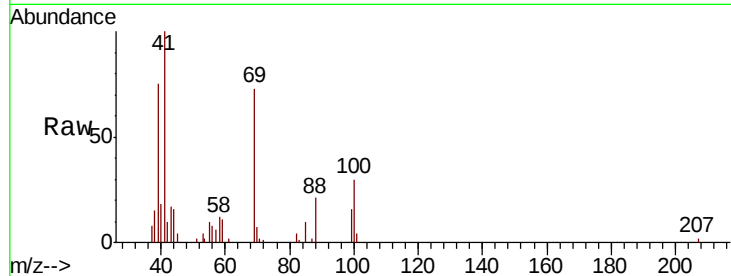
Tot Ion: 88 Resp: 4132

Ion Ratio Lower Upper

88 100

43 80.5 42.0 63.0#

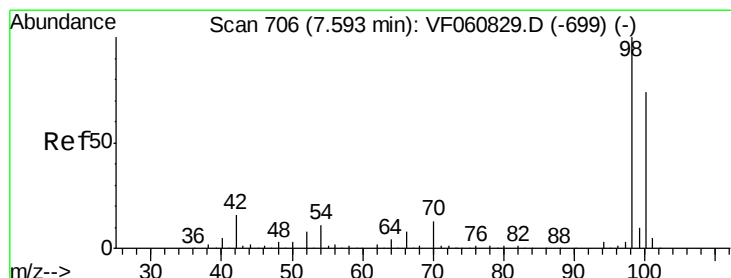
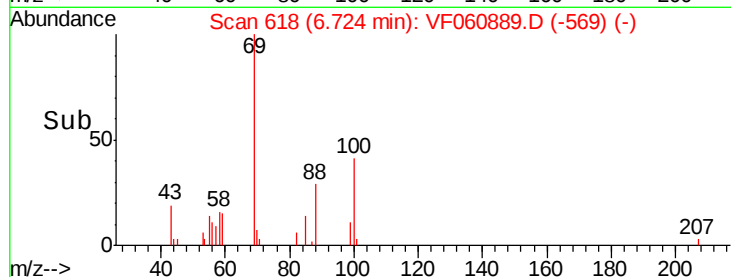
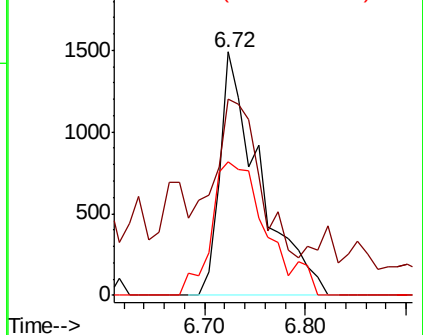
58 54.7 61.8 92.8#



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: 54.577 ug/l

RT: 7.57 min Scan# 704

Delta R.T. -0.02 min

Lab File: VF060889.D

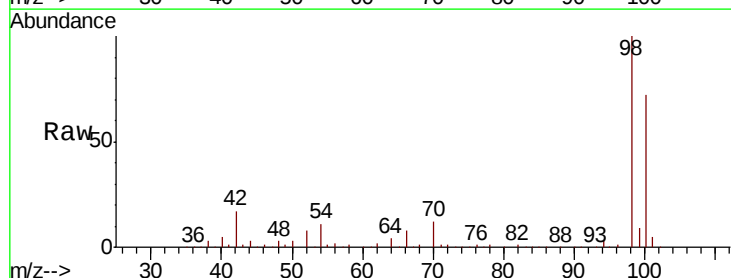
Acq: 3 Dec 2018 14:06

Tgt Ion: 98 Resp: 403390

Ion Ratio Lower Upper

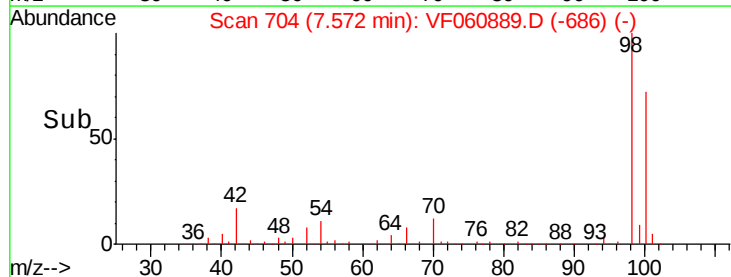
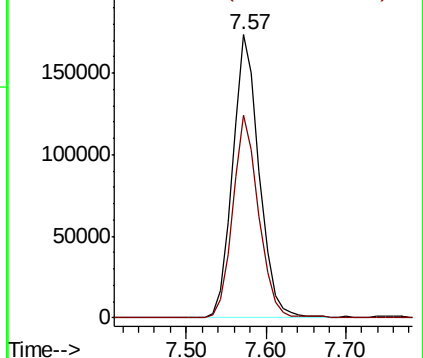
98 100

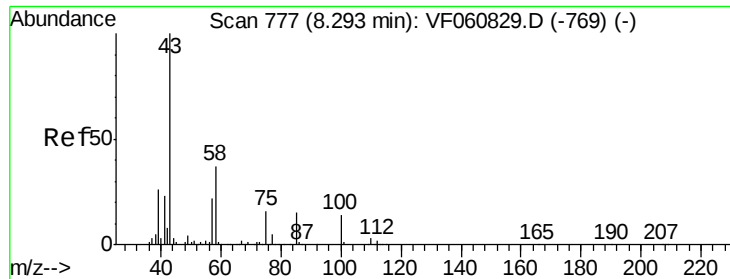
100 71.6 59.3 88.9



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: 123.285 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.02 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

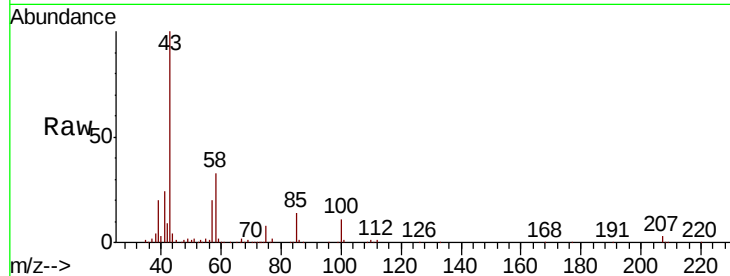
VF1203SBS01

Tot Ion: 43 Resp: 162075

Ion Ratio Lower Upper

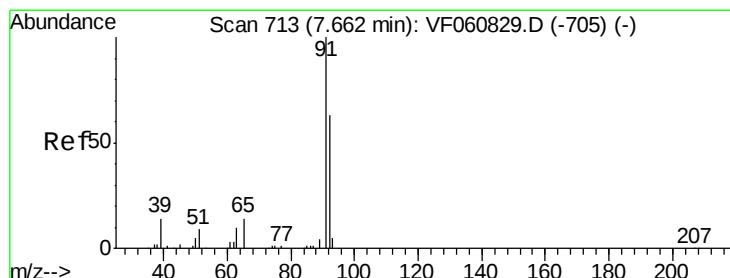
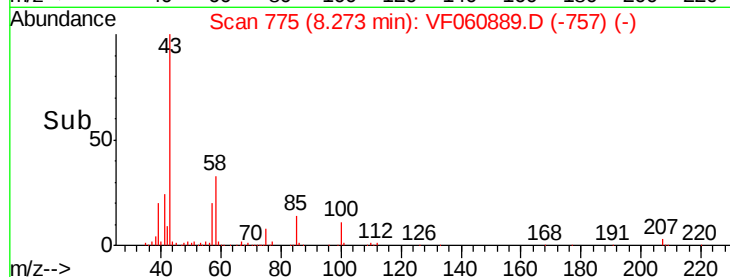
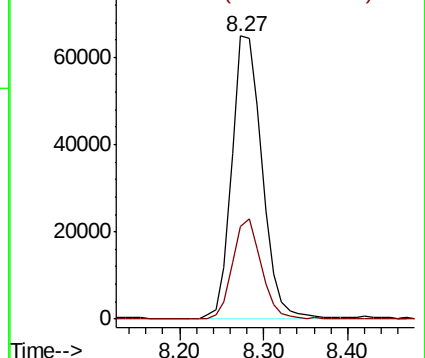
43 100

58 32.7 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.019 ug/l

RT: 7.64 min Scan# 711

Delta R.T. -0.02 min

Lab File: VF060889.D

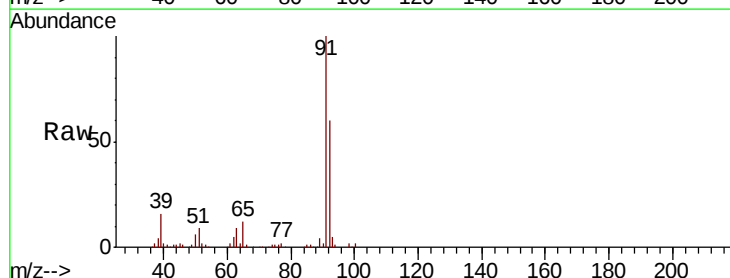
Acq: 3 Dec 2018 14:06

Tgt Ion: 92 Resp: 114422

Ion Ratio Lower Upper

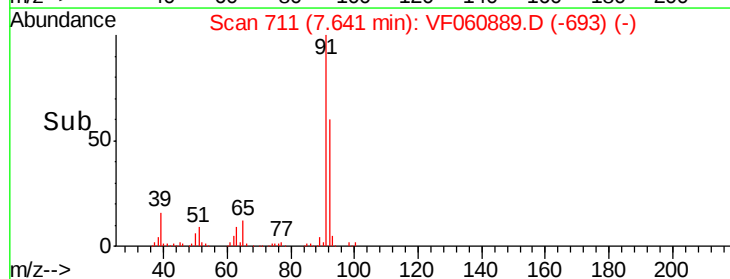
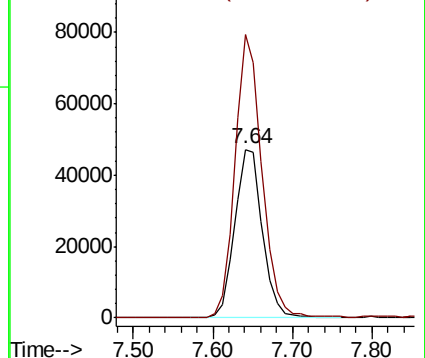
92 100

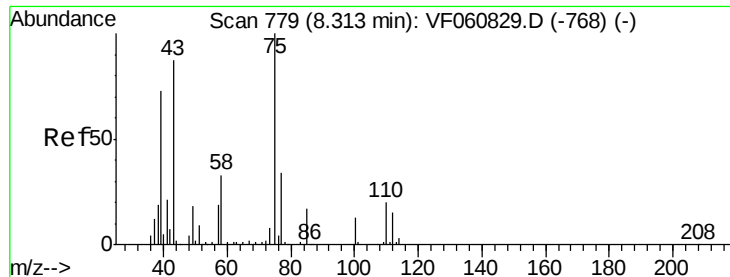
91 167.8 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 23.403 ug/l

RT: 8.30 min Scan# 778

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

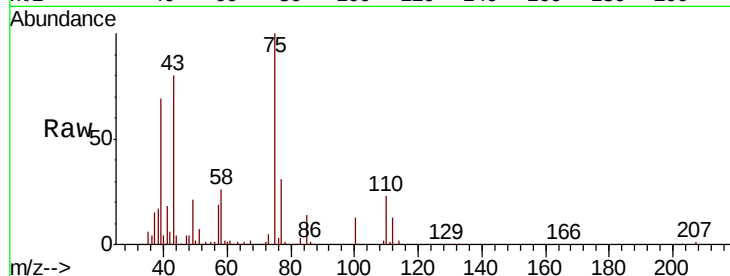
VF1203SBS01

Tot Ion: 75 Resp: 69036

Ion Ratio Lower Upper

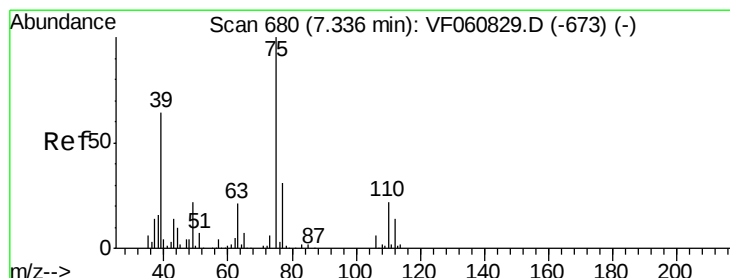
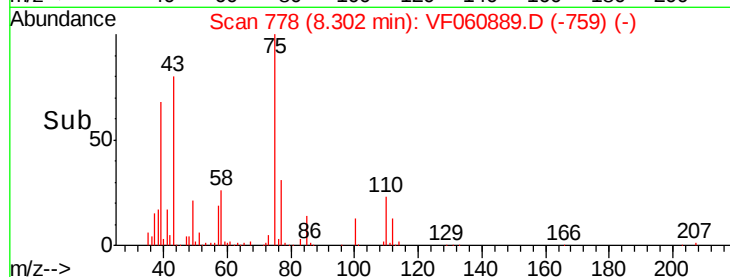
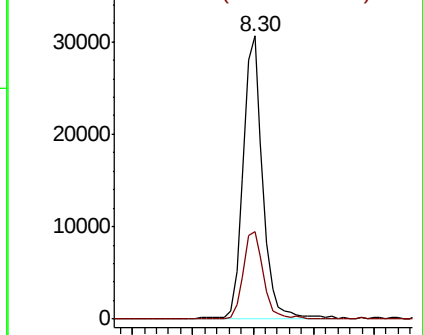
75 100

77 30.7 27.4 41.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 23.204 ug/l

RT: 7.33 min Scan# 679

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

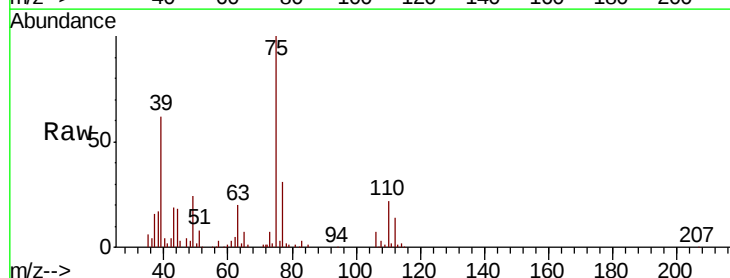
Tgt Ion: 75 Resp: 84739

Ion Ratio Lower Upper

75 100

77 30.8 25.0 37.6

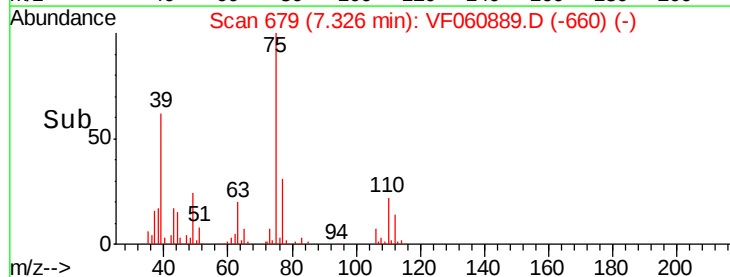
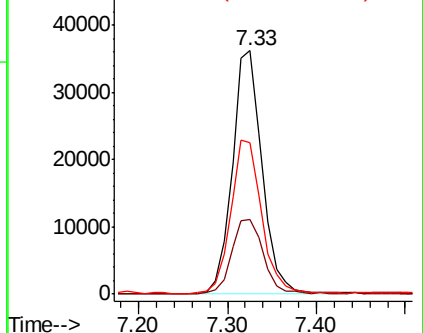
39 62.3 51.1 76.7

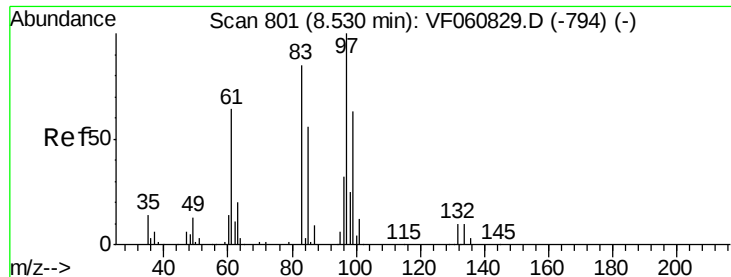


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 23.644 ug/l

RT: 8.51 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

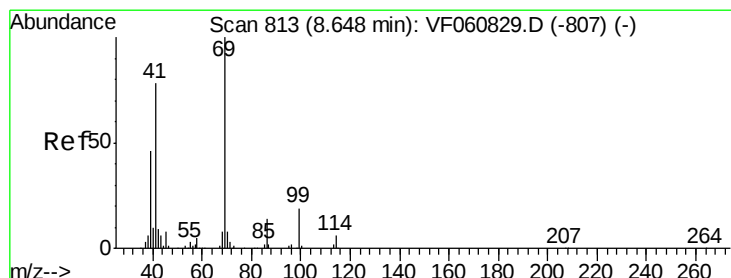
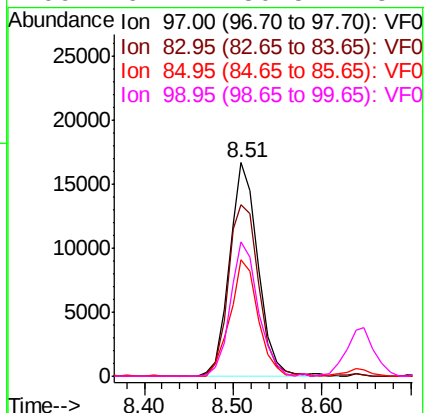
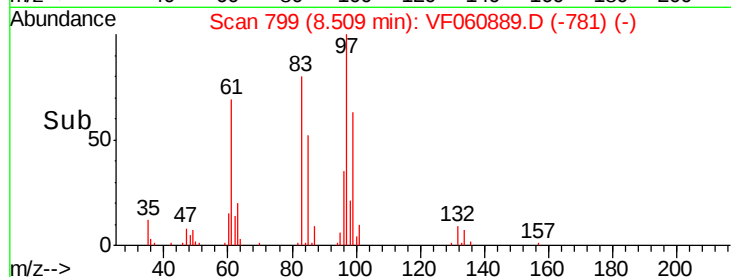
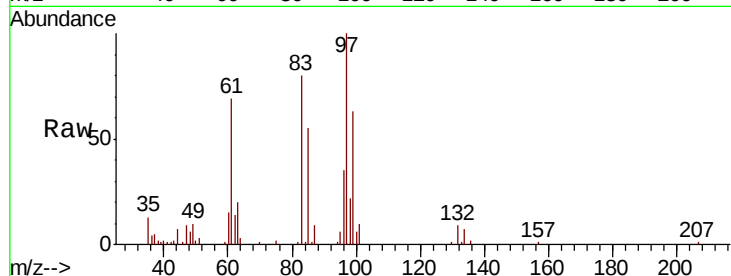
MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion: 97 Resp: 37505

Ion	Ratio	Lower	Upper
97	100		
83	80.4	67.8	101.6
85	54.7	45.0	67.6
99	62.7	50.5	75.7



#56

Ethyl methacrylate

Concen: 24.347 ug/l

RT: 8.64 min Scan# 812

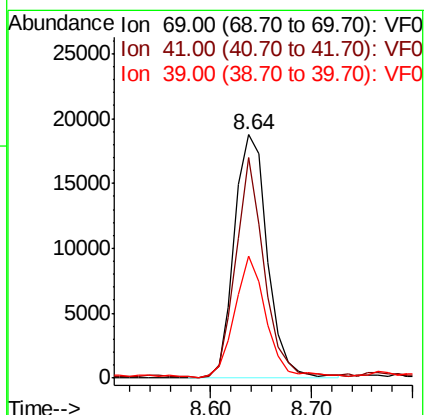
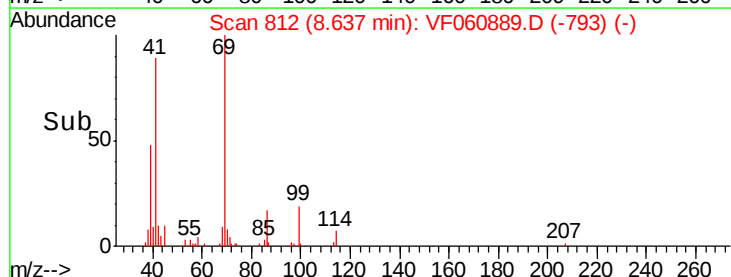
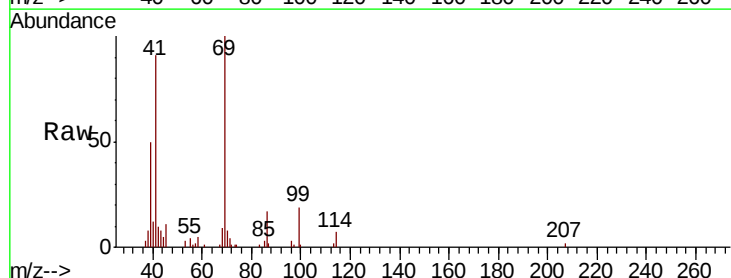
Delta R.T. -0.01 min

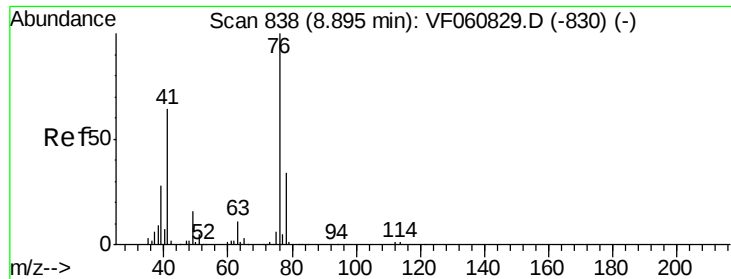
Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Tgt Ion: 69 Resp: 42902

Ion	Ratio	Lower	Upper
69	100		
41	90.6	62.6	94.0
39	50.0	37.8	56.6





#57

1,3-Dichloropropane

Concen: 23.033 ug/l

RT: 8.87 min Scan# 836

Delta R.T. -0.02 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

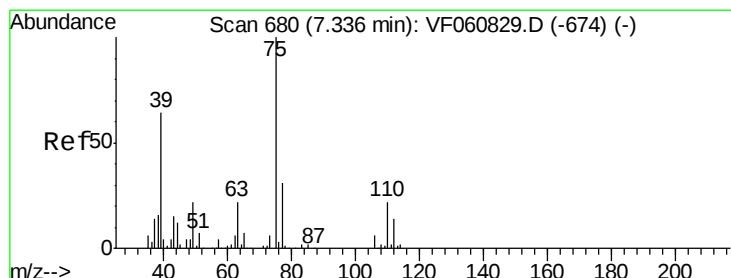
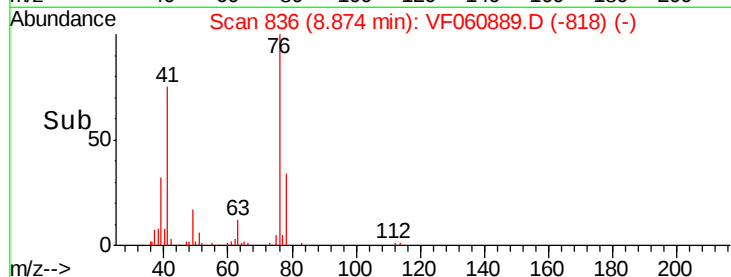
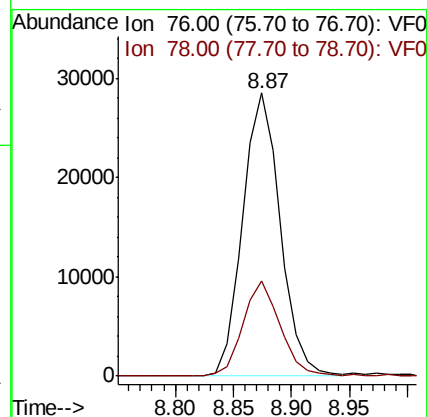
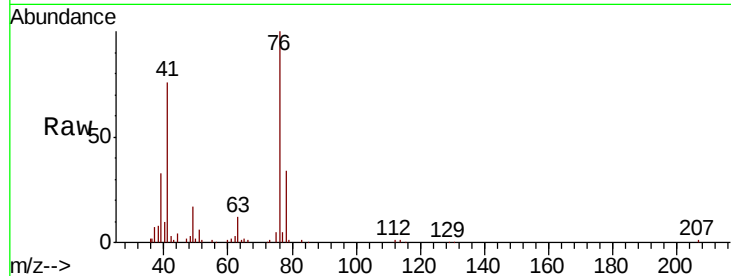
VF1203SBS01

Tot Ion: 76 Resp: 63923

Ion Ratio Lower Upper

76 100

78 33.7 27.0 40.4



#58

2-Chloroethyl Vinyl ether

Concen: 118.991 ug/l

RT: 7.32 min Scan# 678

Delta R.T. -0.02 min

Lab File: VF060889.D

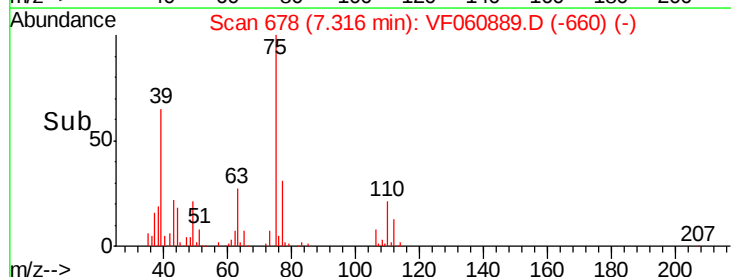
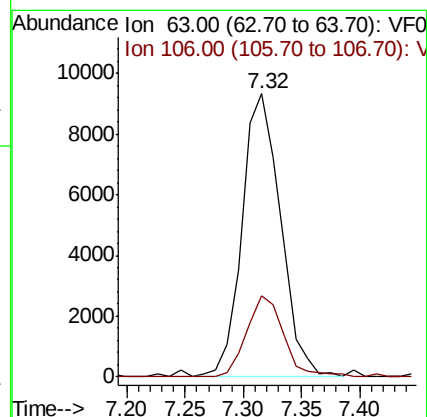
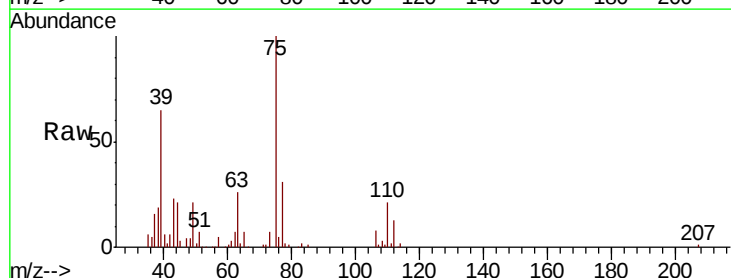
Acq: 3 Dec 2018 14:06

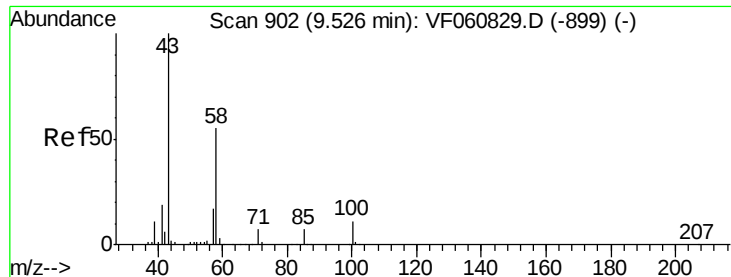
Tgt Ion: 63 Resp: 21447

Ion Ratio Lower Upper

63 100

106 28.5 23.0 34.6

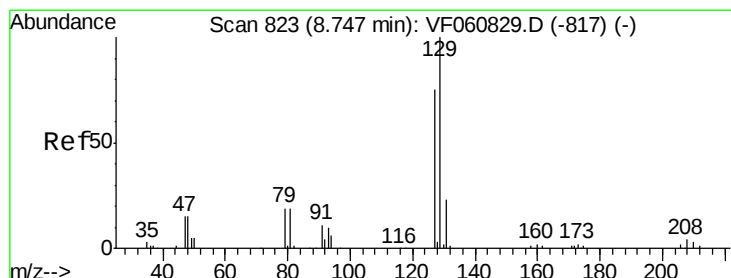
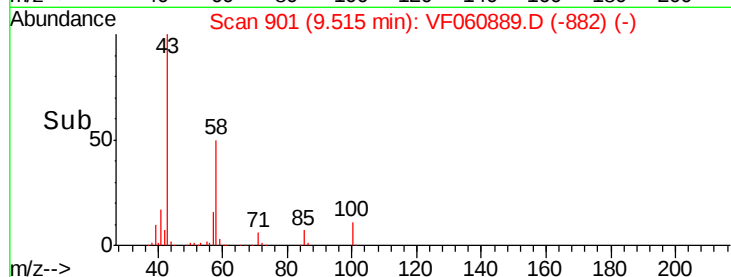
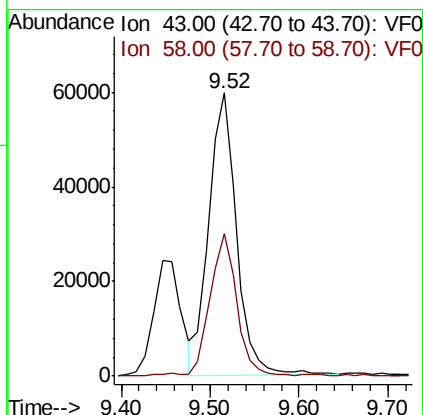
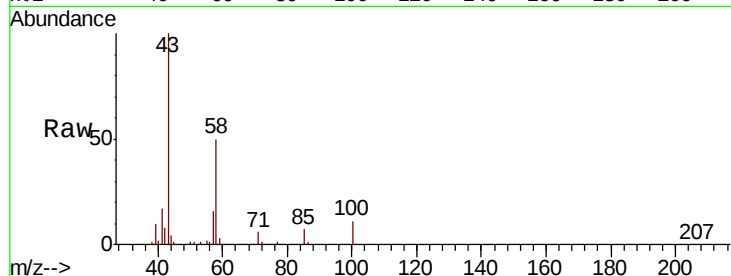




#59
2-Hexanone
Concen: 139.478 ug/l
RT: 9.52 min Scan# 901
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

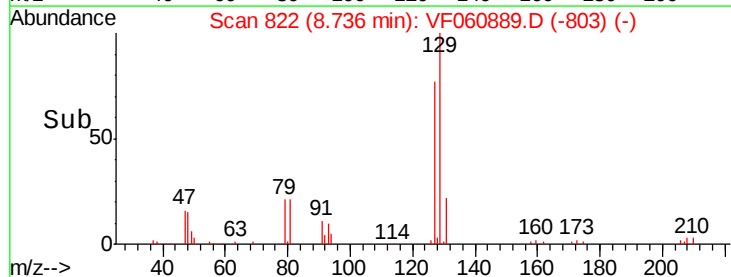
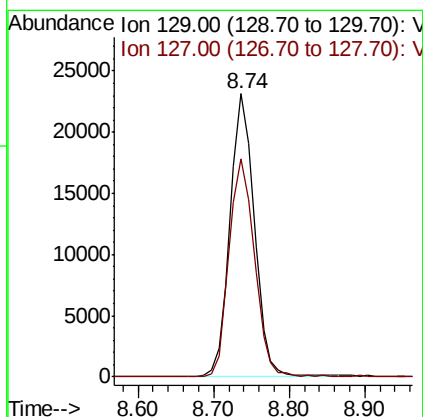
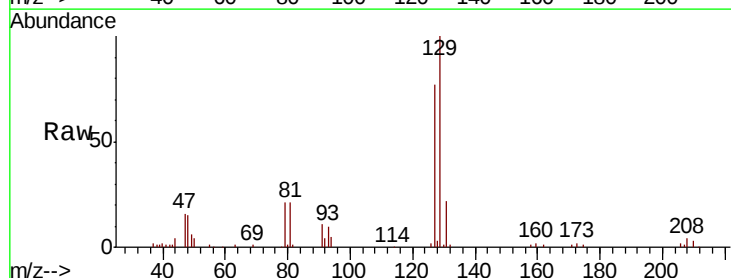
Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

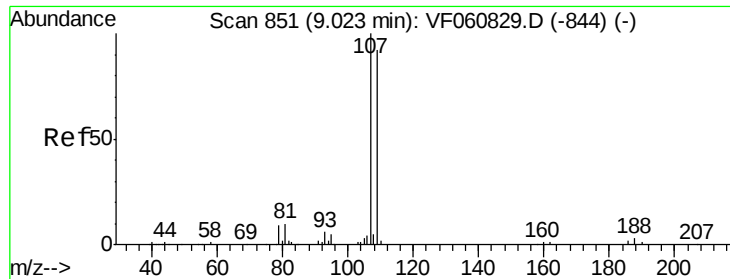
Tot Ion: 43 Resp: 128640
Ion Ratio Lower Upper
43 100
58 50.2 25.6 76.6



#60
Dibromochloromethane
Concen: 21.900 ug/l
RT: 8.74 min Scan# 822
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion: 129 Resp: 51760
Ion Ratio Lower Upper
129 100
127 77.2 37.3 111.9

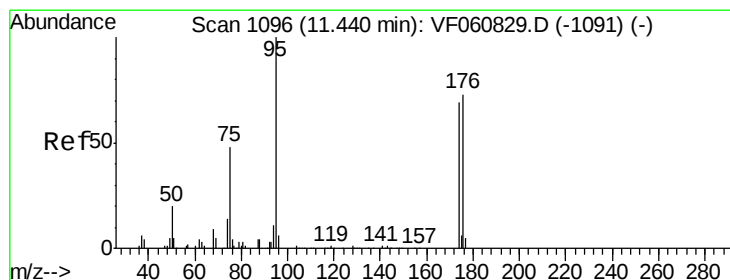
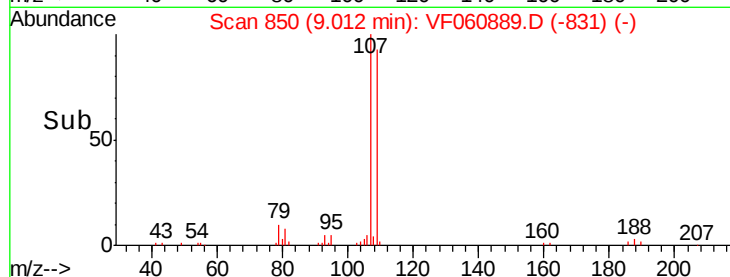
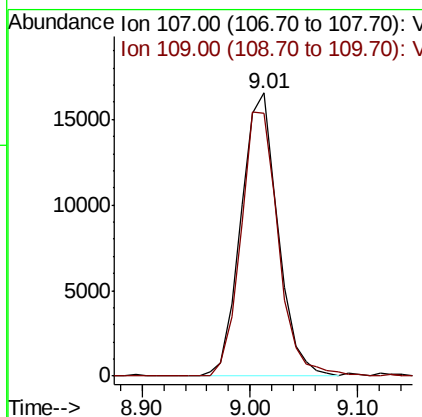
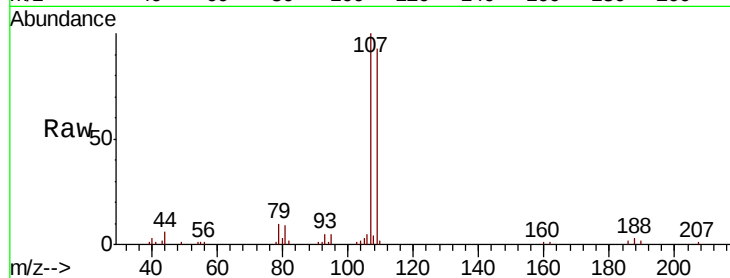




#61
 1,2-Dibromoethane
 Concen: 22.807 ug/l
 RT: 9.01 min Scan# 850
 Delta R.T. -0.01 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

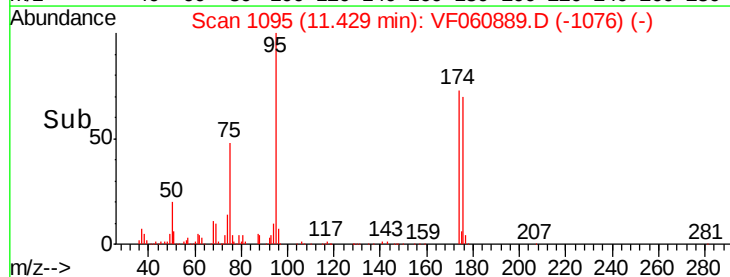
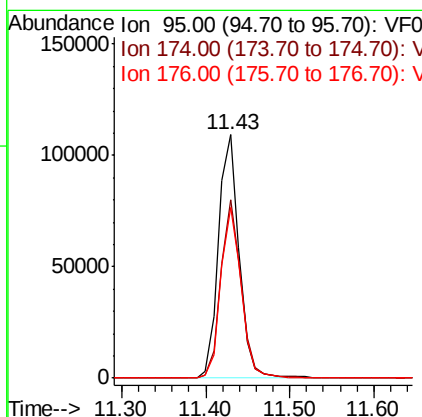
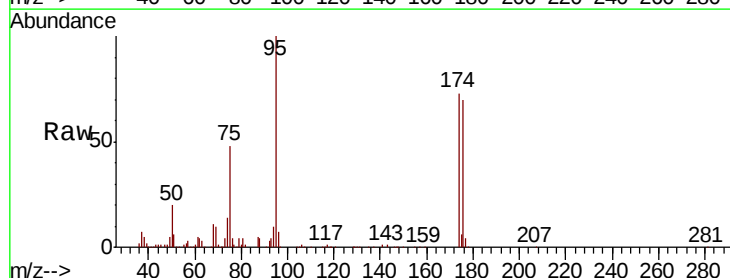
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

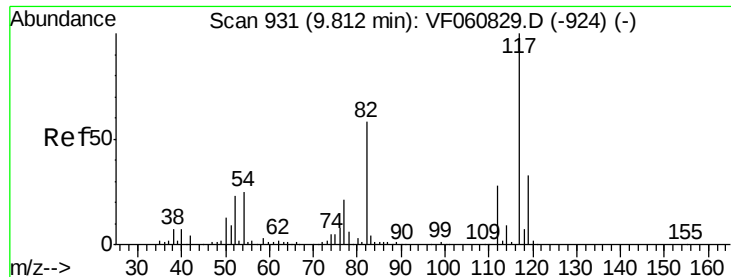
Tot Ion:107 Resp: 39082
 Ion Ratio Lower Upper
 107 100
 109 93.1 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 55.707 ug/l
 RT: 11.43 min Scan# 1095
 Delta R.T. -0.01 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Tgt Ion: 95 Resp: 187132
 Ion Ratio Lower Upper
 95 100
 174 73.4 0.0 138.2
 176 70.3 0.0 146.2

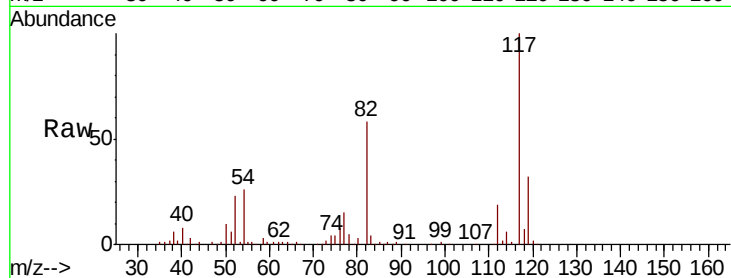




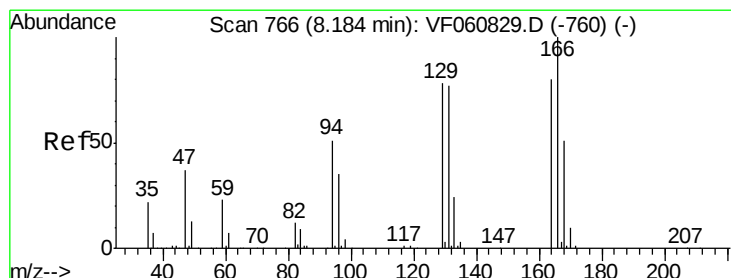
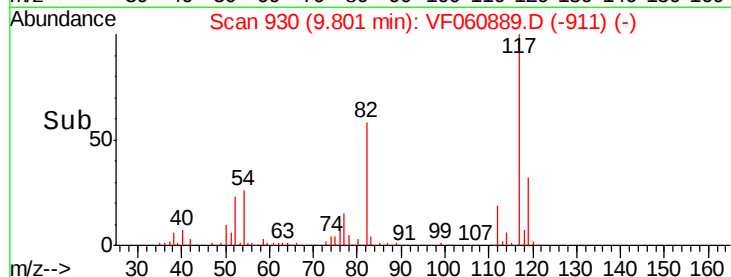
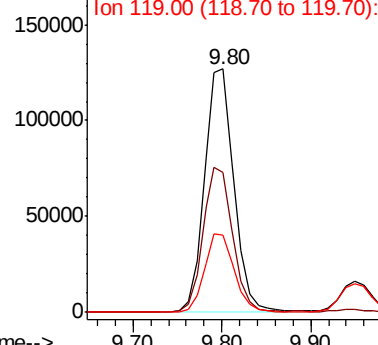
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion:117 Resp: 295158
Ion Ratio Lower Upper
117 100
82 57.6 46.6 69.8
119 31.9 26.4 39.6

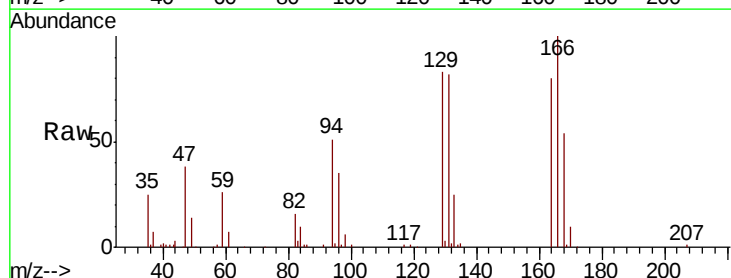


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

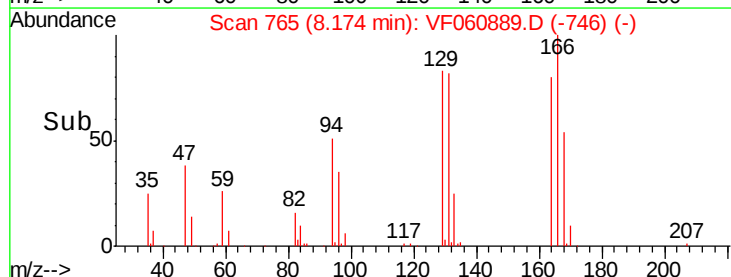
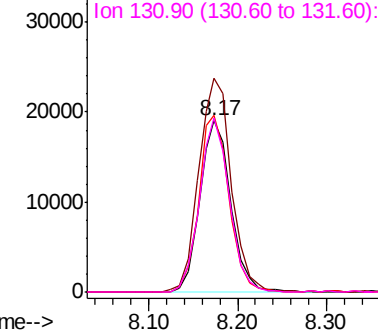


#64
Tetrachloroethene
Concen: 20.497 ug/l
RT: 8.17 min Scan# 765
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion:164 Resp: 46208
Ion Ratio Lower Upper
164 100
166 124.9 100.3 150.5
129 103.2 77.9 116.9
131 101.8 77.5 116.3



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

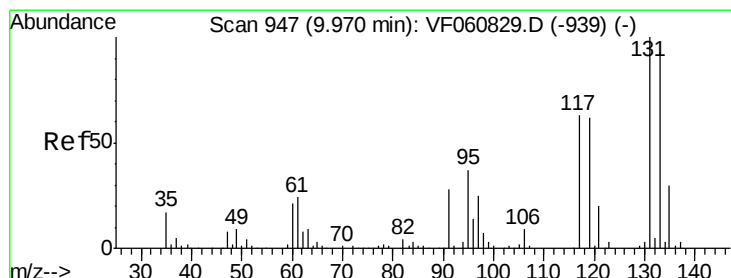
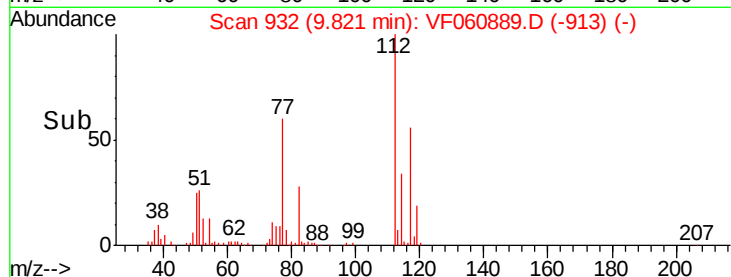
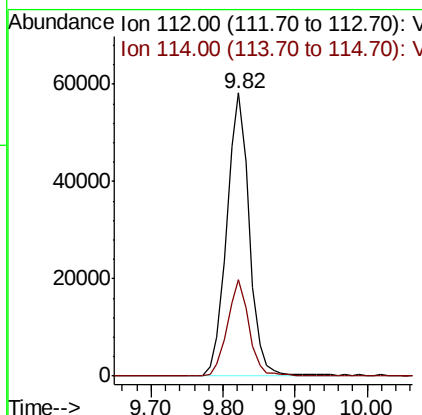
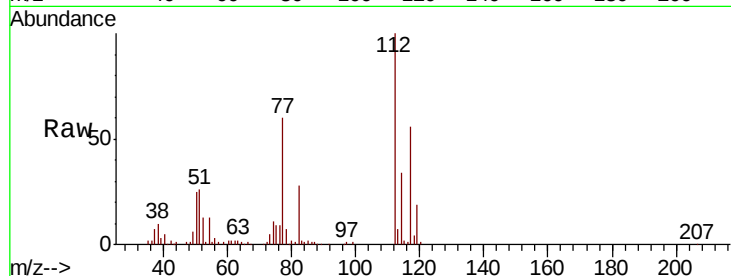




#65
Chlorobenzene
Concen: 22.128 ug/l
RT: 9.82 min Scan# 932
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

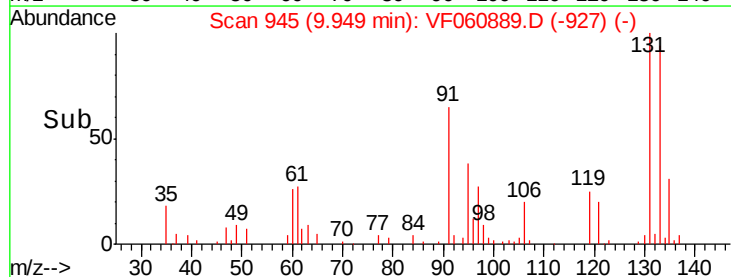
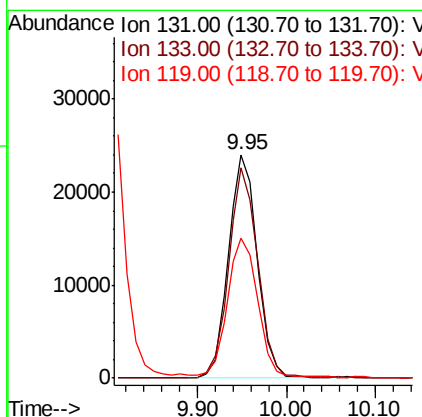
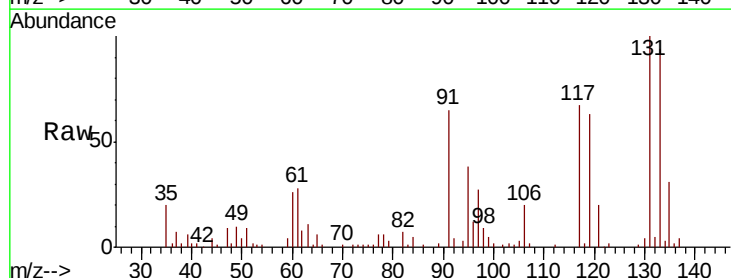
Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion:112 Resp: 127058
Ion Ratio Lower Upper
112 100
114 34.0 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.046 ug/l
RT: 9.95 min Scan# 945
Delta R.T. -0.02 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion:131 Resp: 54419
Ion Ratio Lower Upper
131 100
133 94.1 46.5 139.3
119 62.6 31.1 93.3





#67

Ethyl Benzene

Concen: 22.693 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

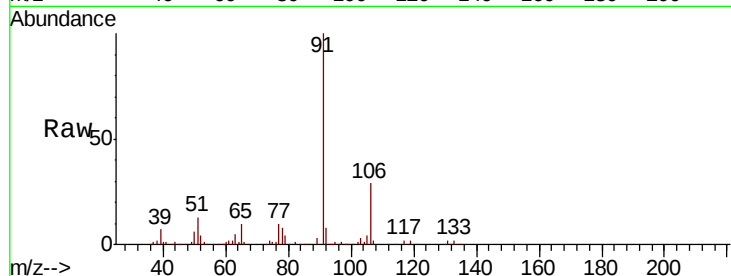
VF1203SBS01

Tot Ion: 91 Resp: 242578

Ion Ratio Lower Upper

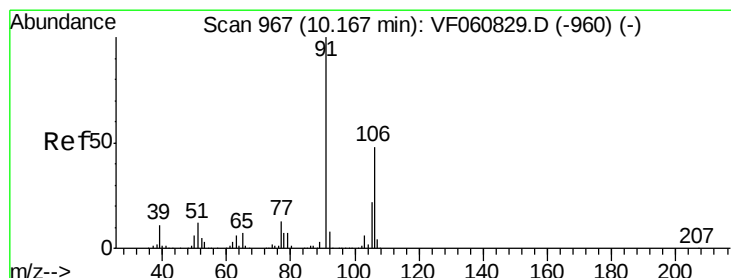
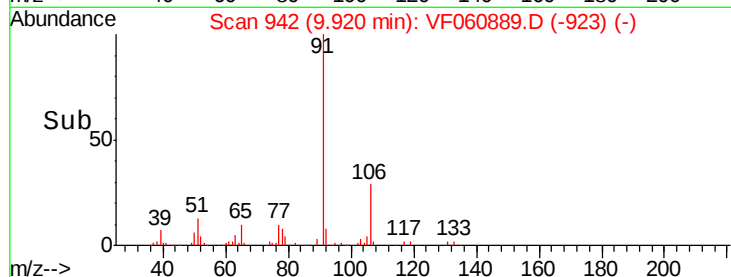
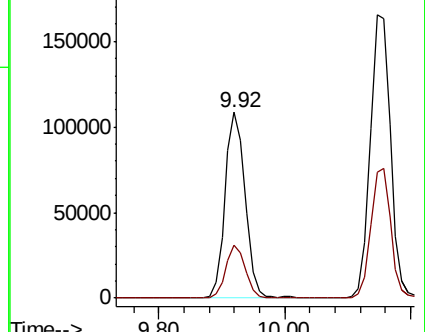
91 100

106 28.7 22.2 33.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 43.106 ug/l

RT: 10.16 min Scan# 966

Delta R.T. -0.01 min

Lab File: VF060889.D

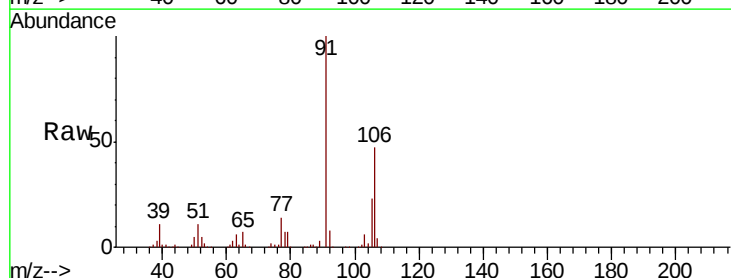
Acq: 3 Dec 2018 14:06

Tgt Ion: 106 Resp: 165730

Ion Ratio Lower Upper

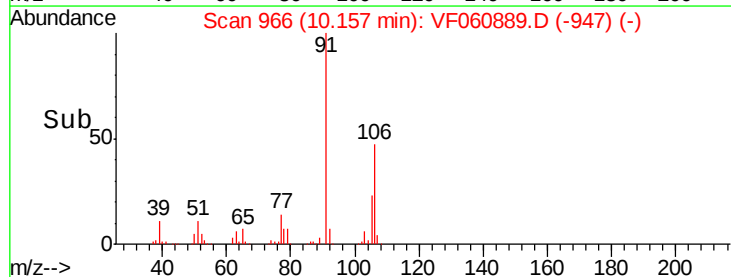
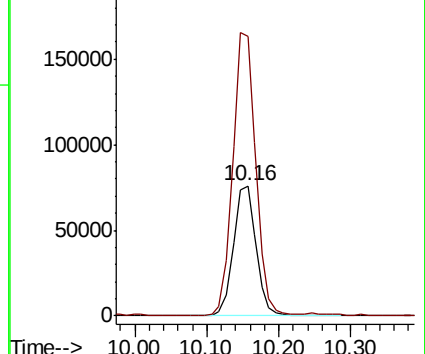
106 100

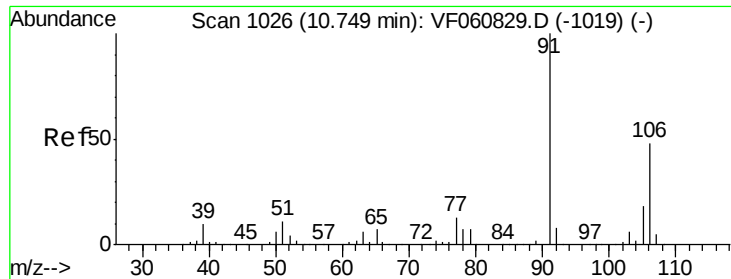
91 214.5 166.7 250.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

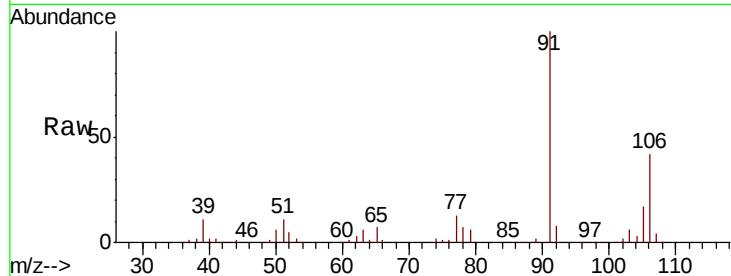




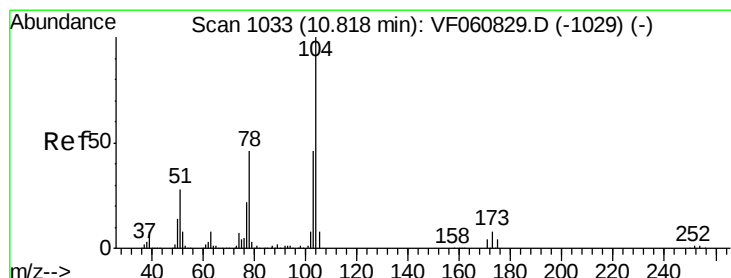
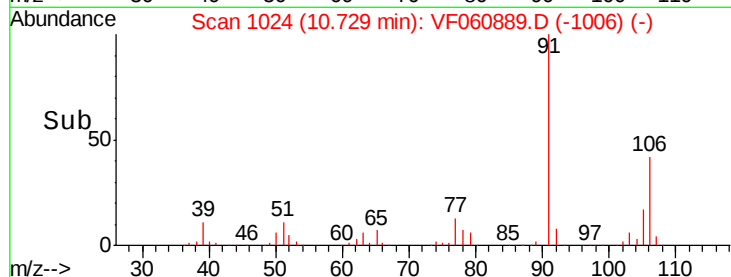
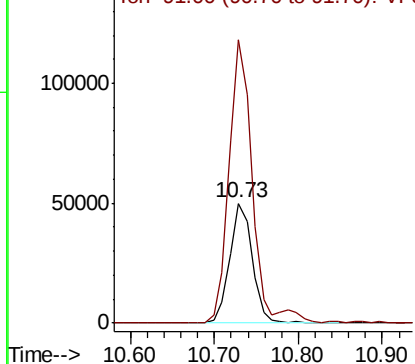
#69
o-Xylene
Concen: 22.092 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. -0.02 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion:106 Resp: 93663
Ion Ratio Lower Upper
106 100
91 236.4 104.8 314.6

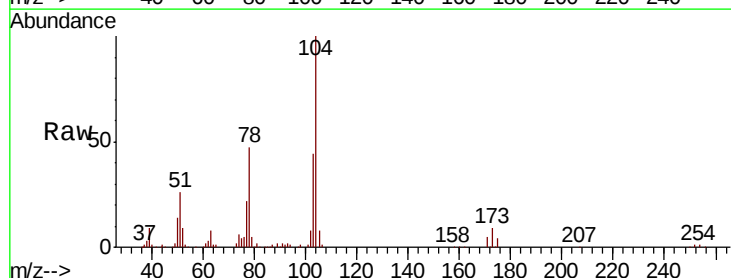


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

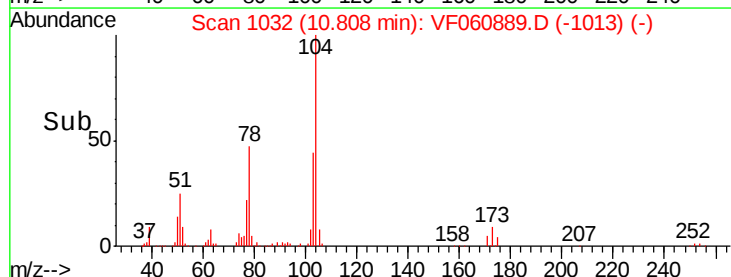
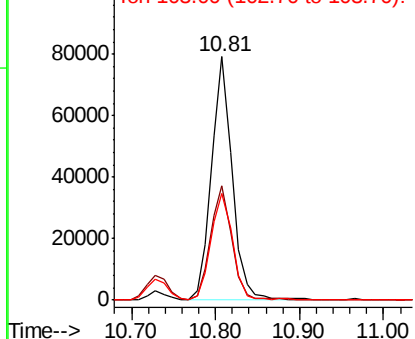


#70
Styrene
Concen: 22.918 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion:104 Resp: 134691
Ion Ratio Lower Upper
104 100
78 47.2 37.3 55.9
103 44.0 36.8 55.2



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





#71

Bromoform

Concen: 23.602 ug/l

RT: 10.79 min Scan# 1030

Delta R.T. -0.02 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

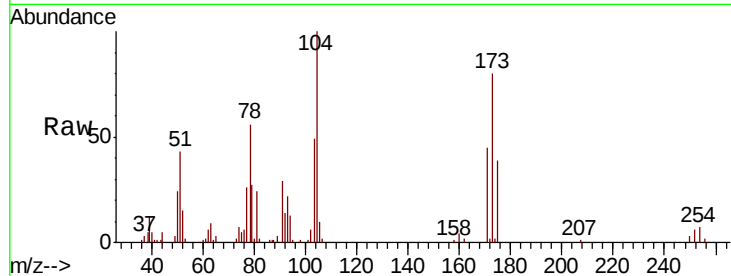
Tot Ion:173 Resp: 28142

Ion Ratio Lower Upper

173 100

175 48.5 25.5 76.5

254 0.0 7.5 11.3#

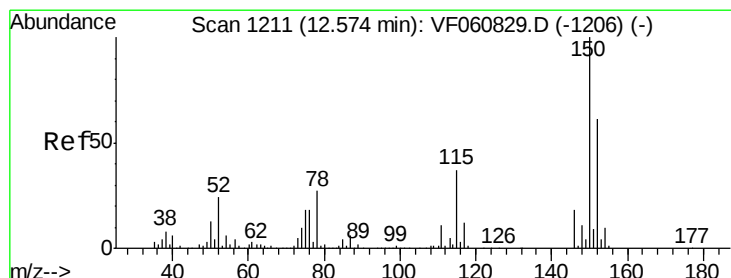
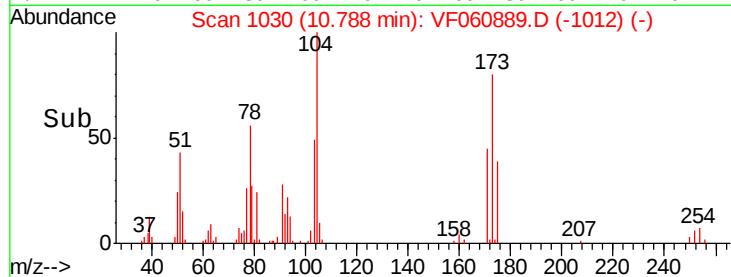
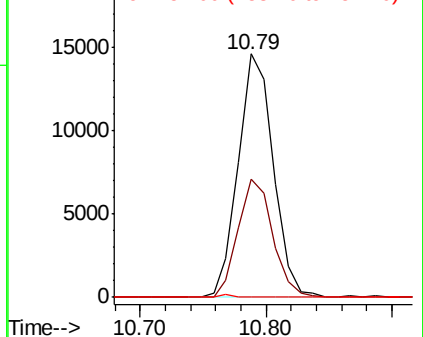


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

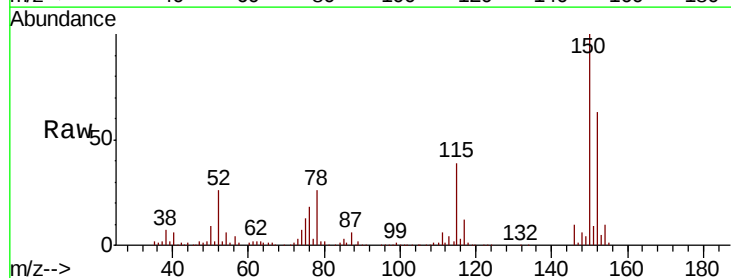
Tgt Ion:152 Resp: 164762

Ion Ratio Lower Upper

152 100

115 62.1 30.1 90.5

150 159.5 0.0 327.6

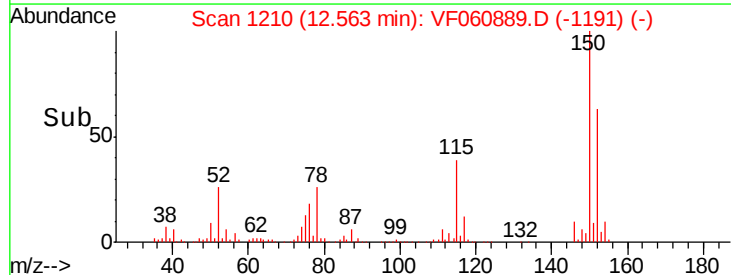
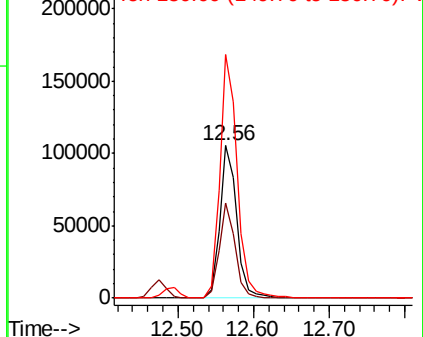


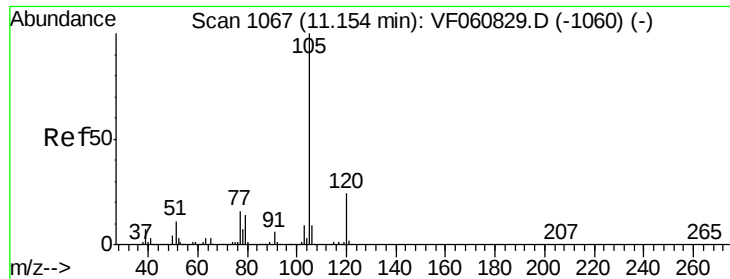
Abundance

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: 21.689 ug/l

RT: 11.14 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

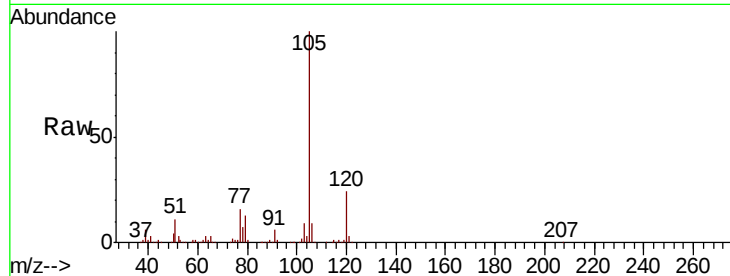
VF1203SBS01

Tot Ion:105 Resp: 282401

Ion Ratio Lower Upper

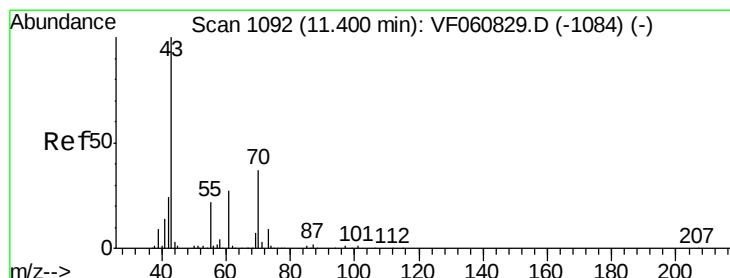
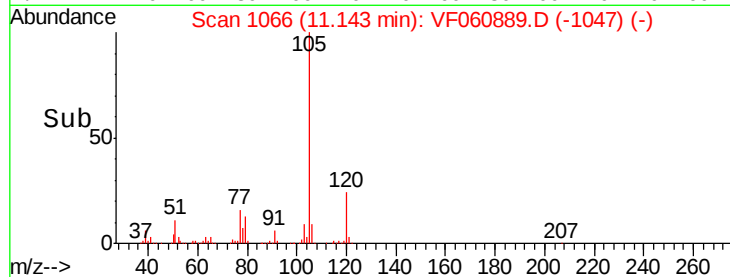
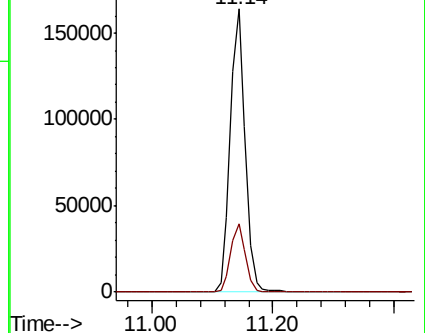
105 100

120 24.3 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: 23.622 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Tgt Ion: 43 Resp: 71023

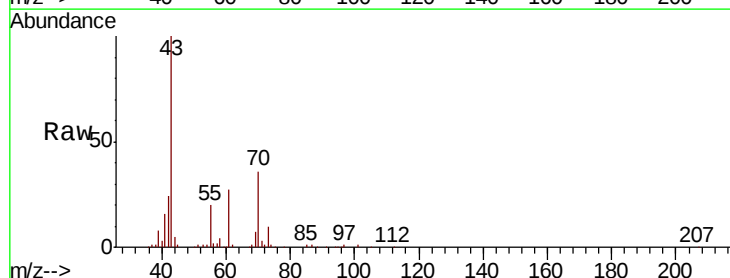
Ion Ratio Lower Upper

43 100

70 36.4 29.6 44.4

55 19.9 17.2 25.8

61 26.6 21.8 32.6

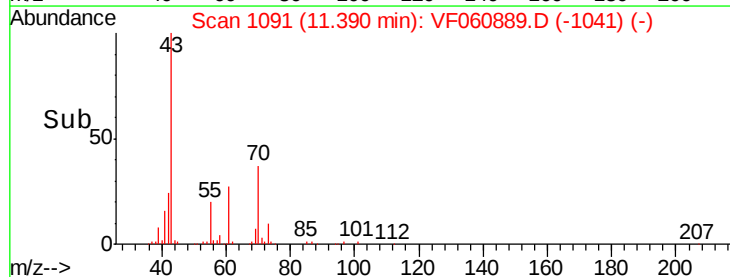
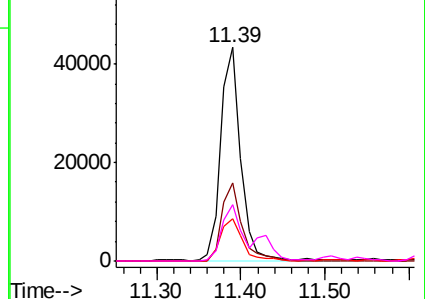


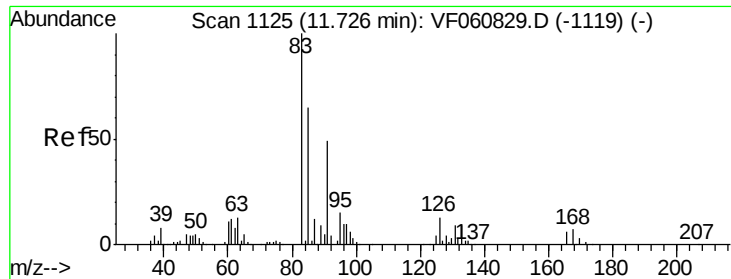
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 23.657 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

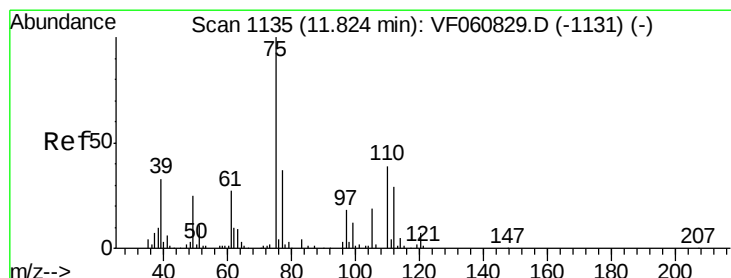
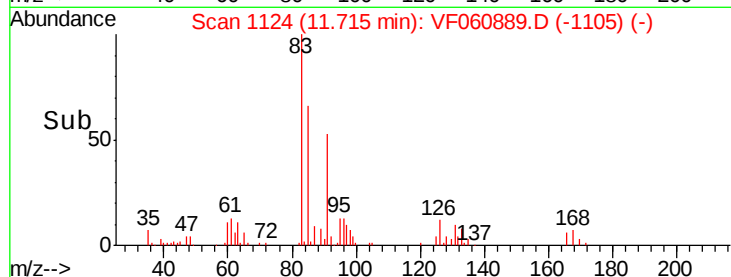
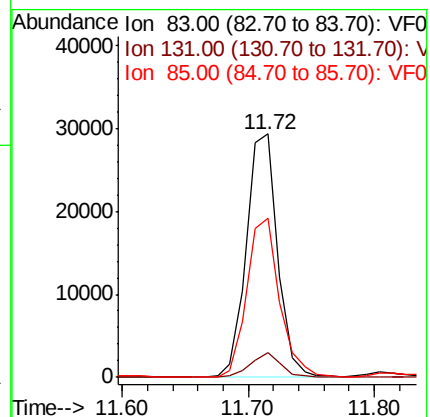
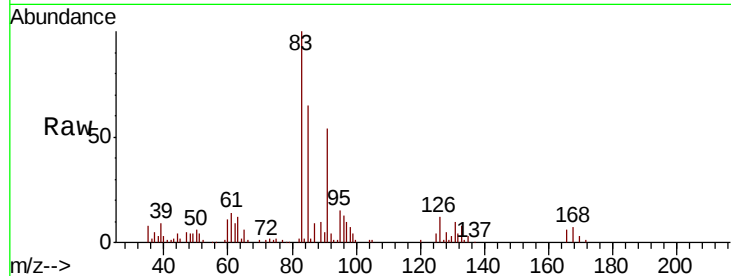
Tot Ion: 83 Resp: 50695

Ion Ratio Lower Upper

83 100

131 10.1 4.7 14.1

85 65.3 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 22.963 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF060889.D

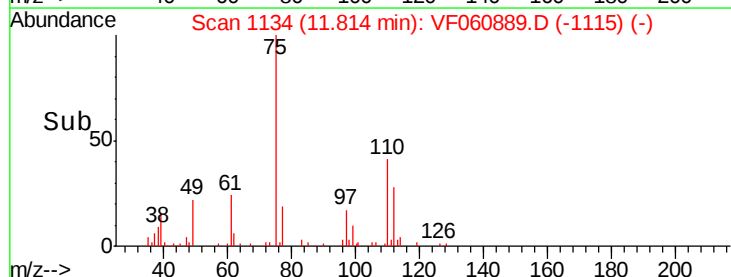
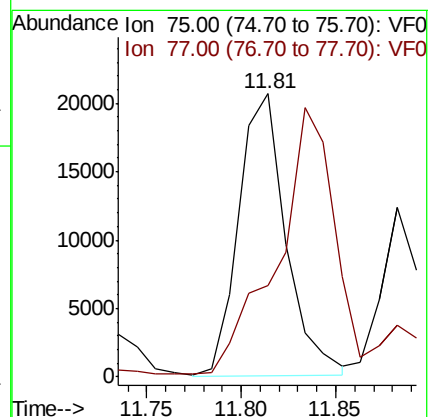
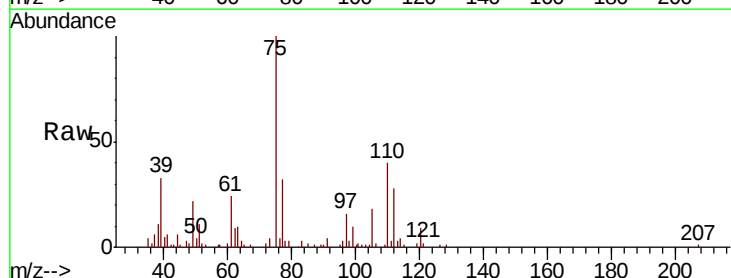
Acq: 3 Dec 2018 14:06

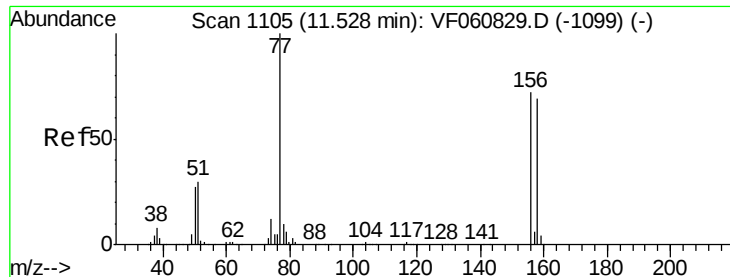
Tgt Ion: 75 Resp: 35767

Ion Ratio Lower Upper

75 100

77 32.3 18.4 55.4





#77

Bromobenzene

Concen: 21.306 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. -0.02 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

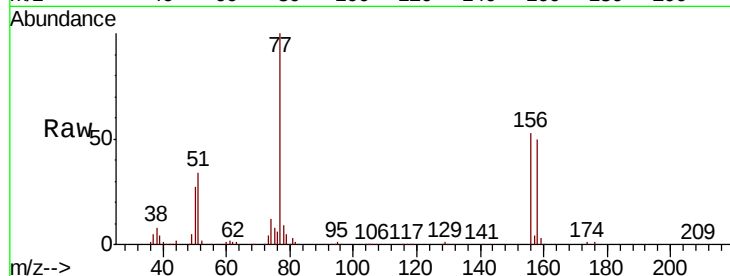
Tot Ion:156 Resp: 60819

Ion Ratio Lower Upper

156 100

77 190.0 69.7 209.0

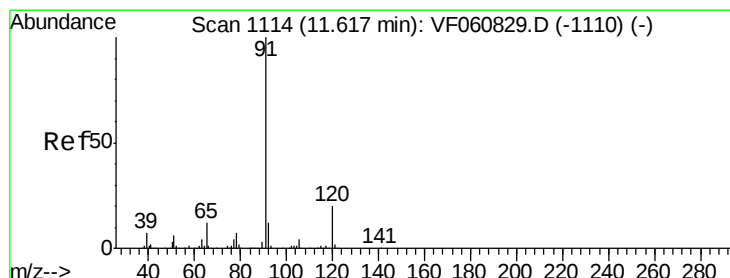
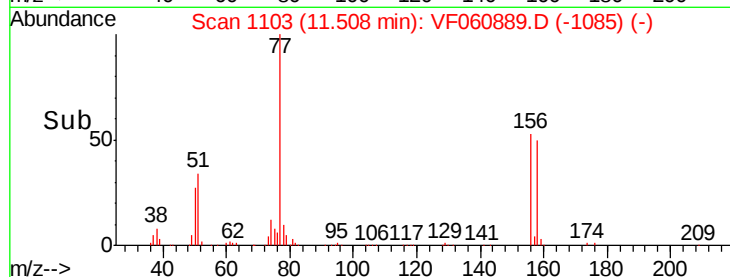
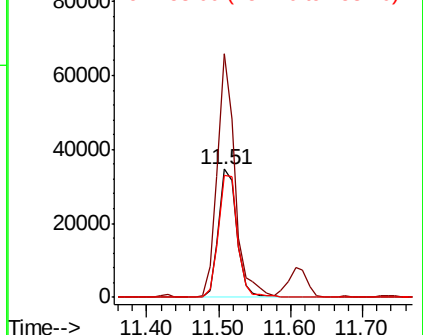
158 95.5 47.8 143.4



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: 21.417 ug/l

RT: 11.61 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060889.D

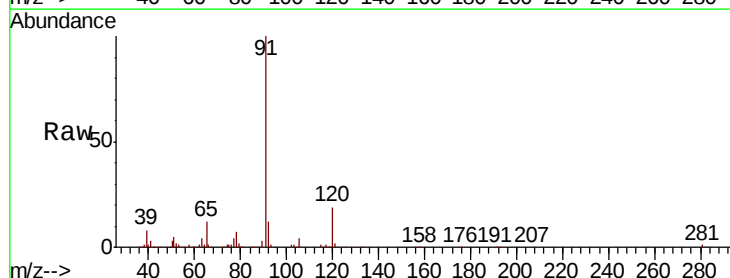
Acq: 3 Dec 2018 14:06

Tgt Ion: 91 Resp: 326560

Ion Ratio Lower Upper

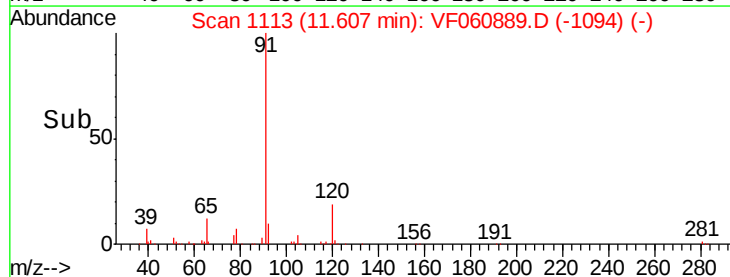
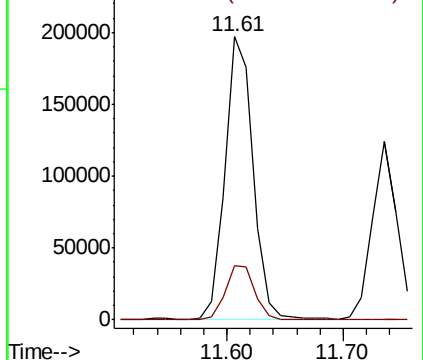
91 100

120 19.1 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

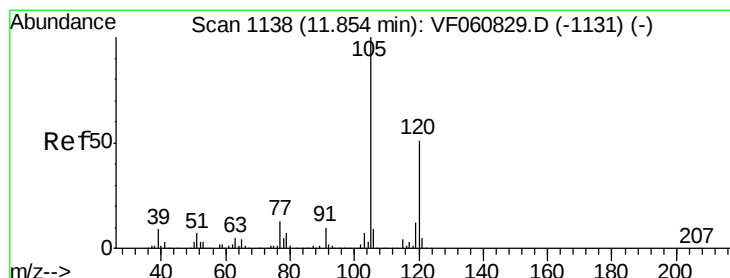
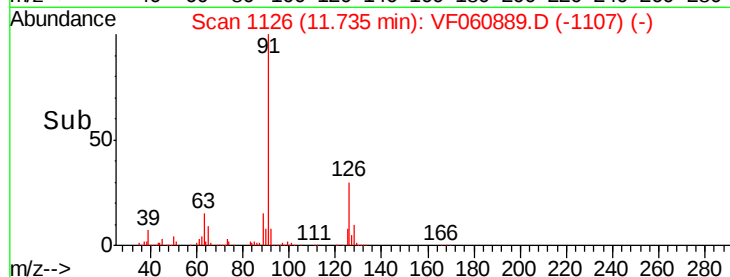
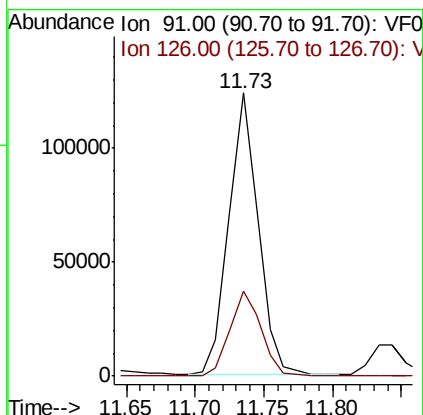
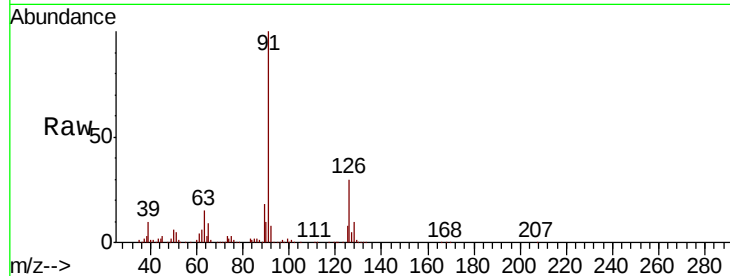




#79
 2-Chlorotoluene
 Concen: 21.102 ug/l
 RT: 11.73 min Scan# 1126
 Delta R.T. -0.01 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

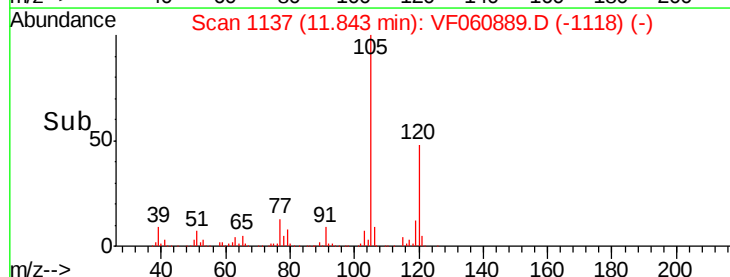
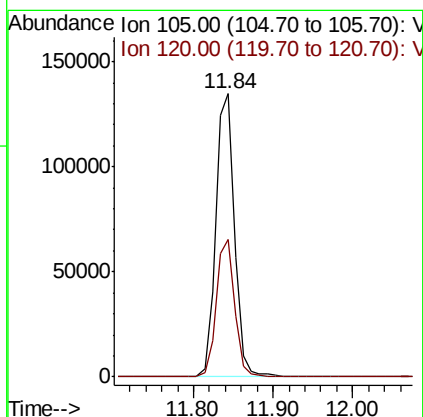
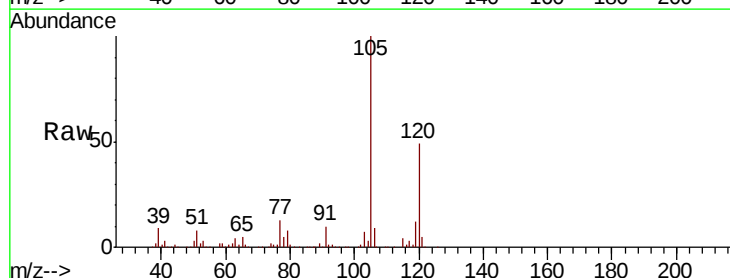
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

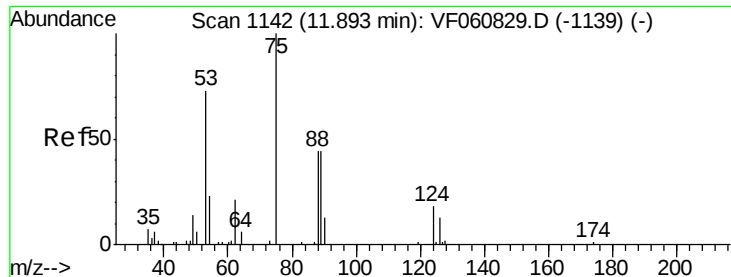
Tot Ion: 91 Resp: 184490
 Ion Ratio Lower Upper
 91 100
 126 30.2 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 21.186 ug/l
 RT: 11.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Tgt Ion: 105 Resp: 223942
 Ion Ratio Lower Upper
 105 100
 120 48.8 25.8 77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 29.386 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

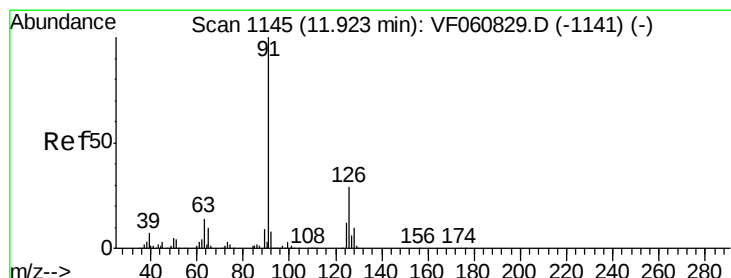
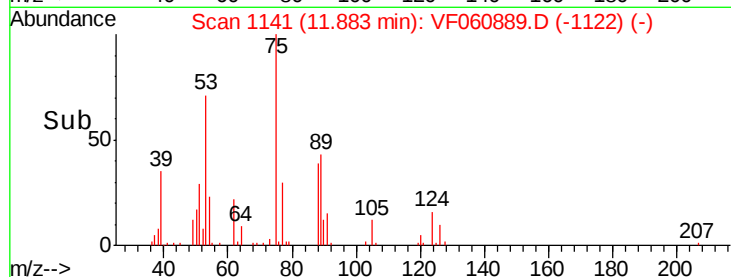
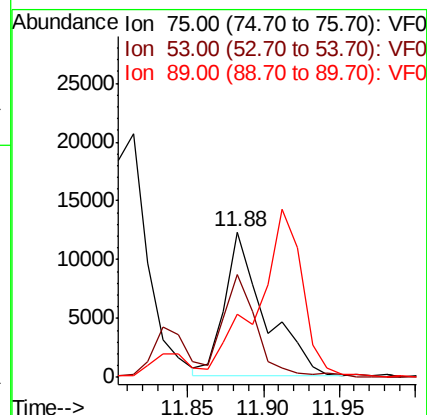
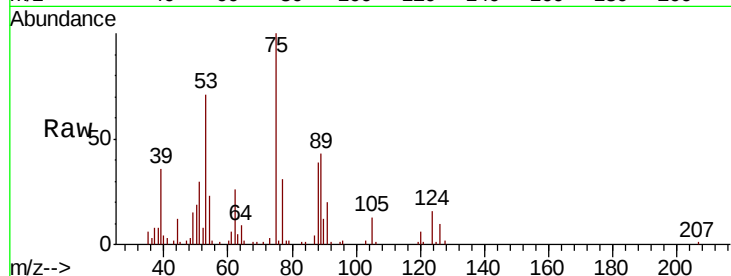
Tot Ion: 75 Resp: 22426

Ion Ratio Lower Upper

75 100

53 70.7 65.9 98.9

89 43.3 38.8 58.2



#82

4-Chlorotoluene

Concen: 21.690 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF060889.D

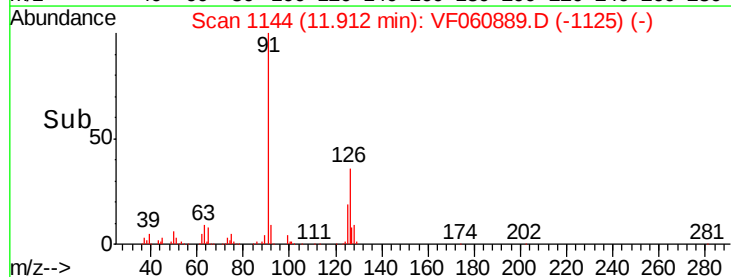
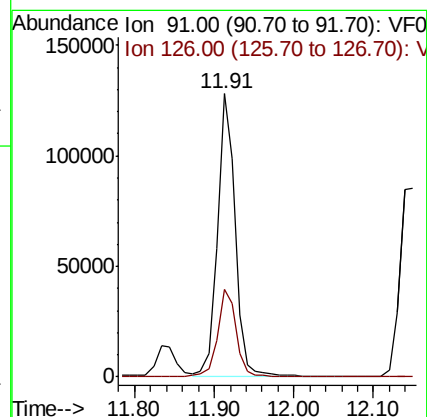
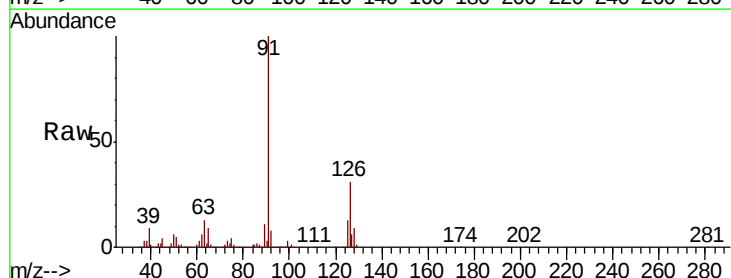
Acq: 3 Dec 2018 14:06

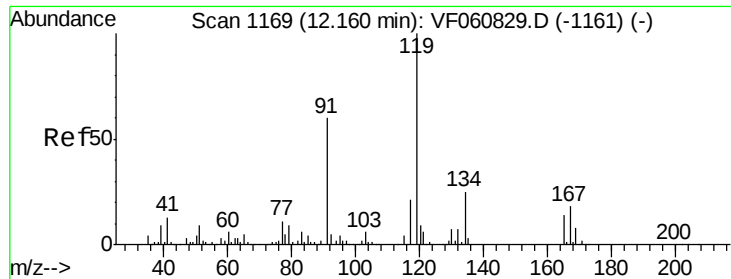
Tgt Ion: 91 Resp: 199571

Ion Ratio Lower Upper

91 100

126 31.1 14.8 44.4

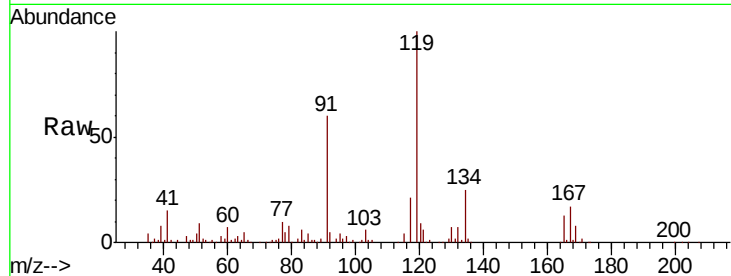




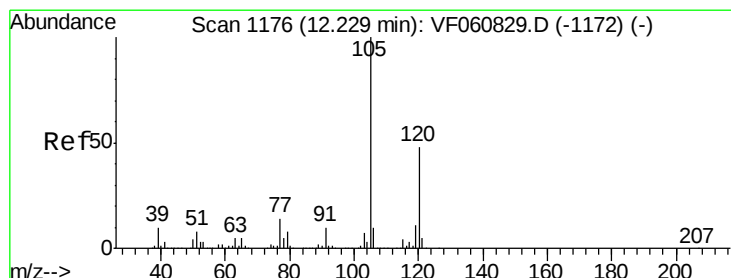
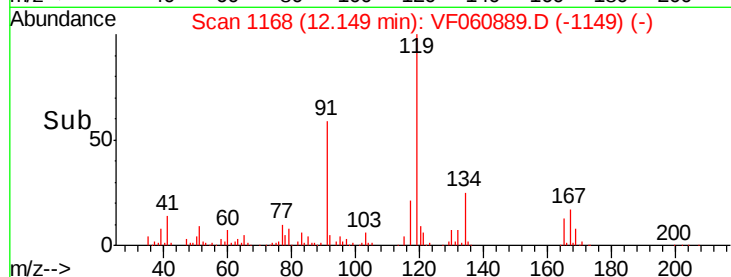
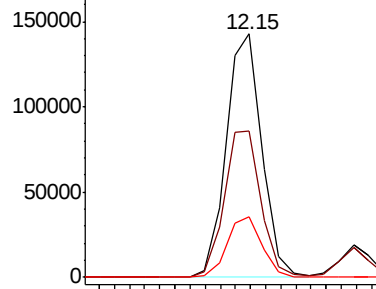
#83
tert-Butylbenzene
Concen: 21.818 ug/l
RT: 12.15 min Scan# 1168
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion:119 Resp: 234921
Ion Ratio Lower Upper
119 100
91 60.0 30.1 90.3
134 24.7 12.6 37.8

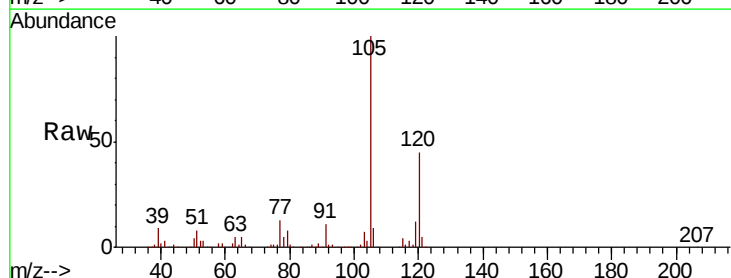


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

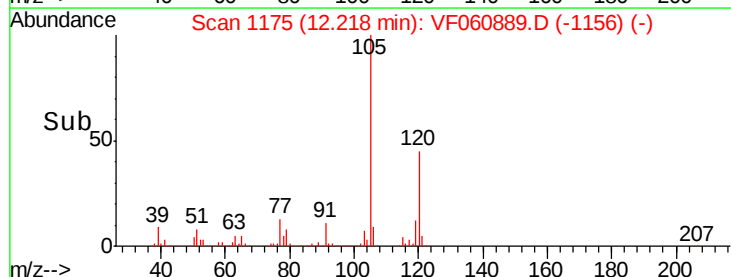
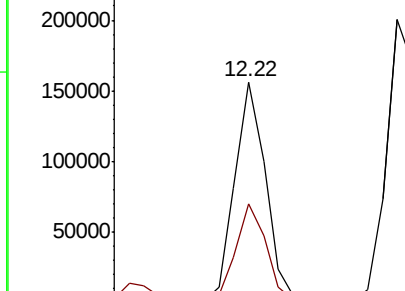


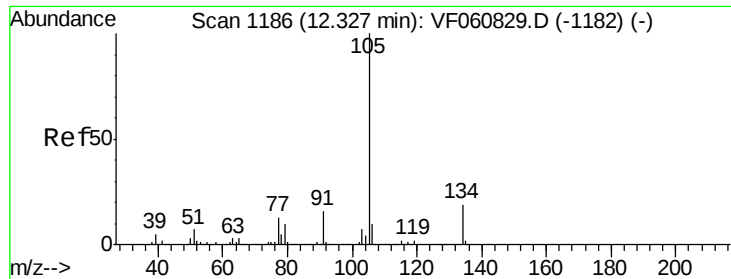
#84
1,2,4-Trimethylbenzene
Concen: 21.388 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion:105 Resp: 225627
Ion Ratio Lower Upper
105 100
120 44.6 23.8 71.5



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

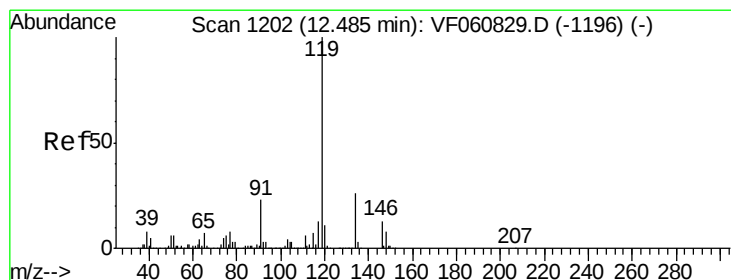
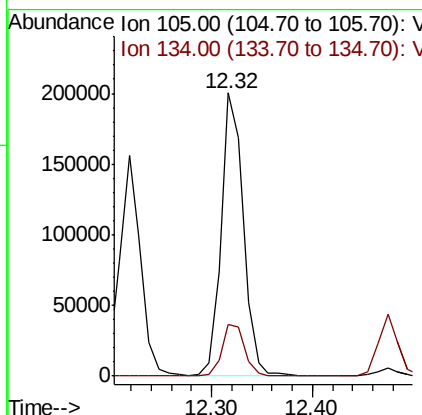
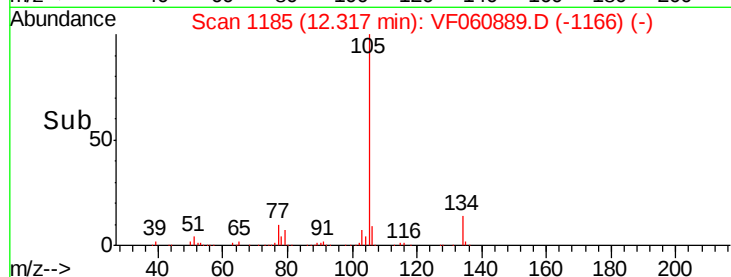
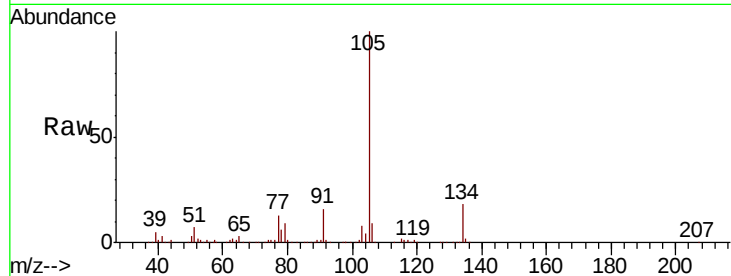




#85
 sec-Butylbenzene
 Concen: 20.819 ug/l
 RT: 12.32 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

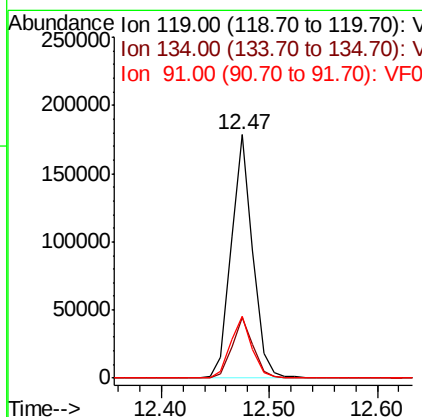
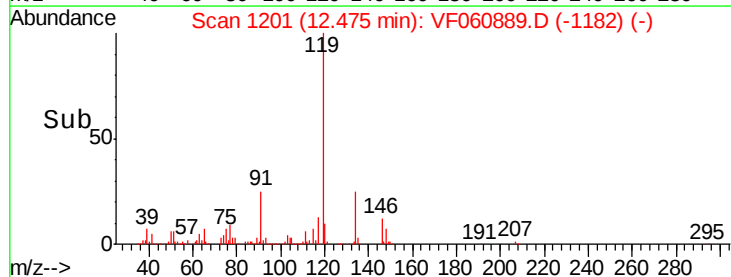
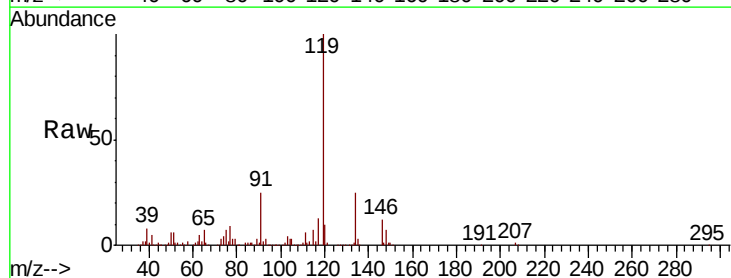
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

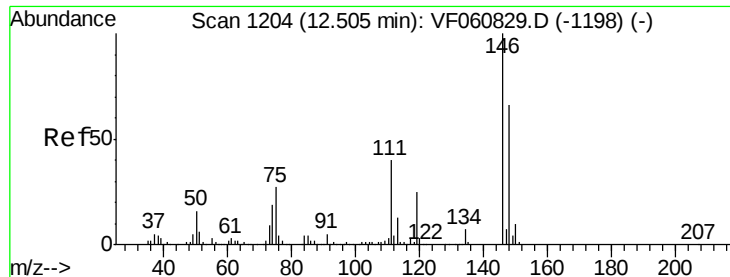
Tot Ion:105 Resp: 306856
 Ion Ratio Lower Upper
 105 100
 134 18.2 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 20.052 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Tgt Ion:119 Resp: 247789
 Ion Ratio Lower Upper
 119 100
 134 24.8 12.9 38.6
 91 25.4 11.8 35.3

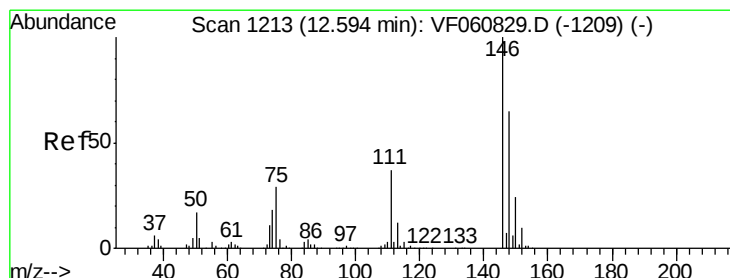
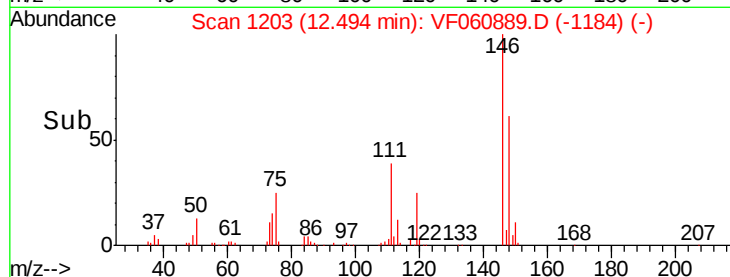
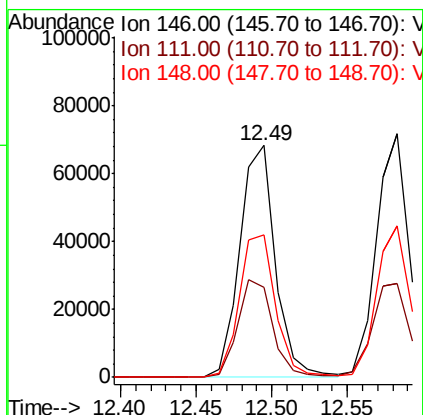
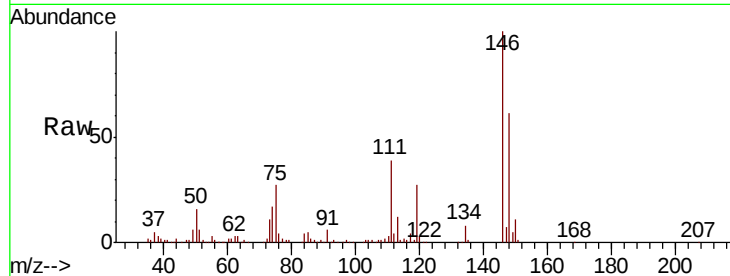




#87
 1,3-Dichlorobenzene
 Concen: 20.630 ug/l
 RT: 12.49 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

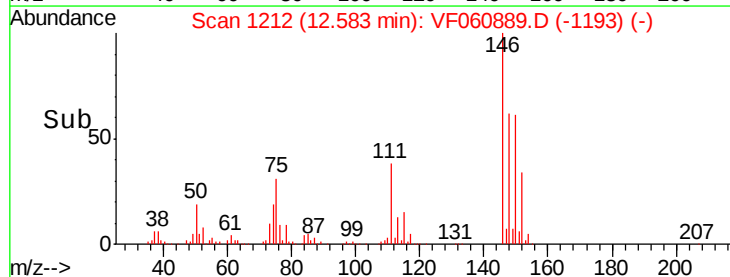
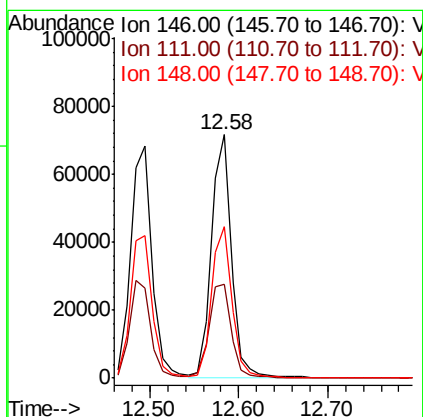
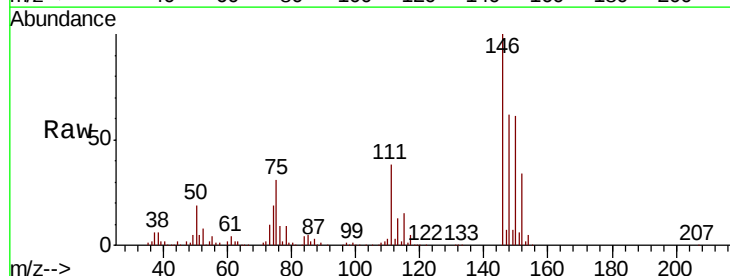
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

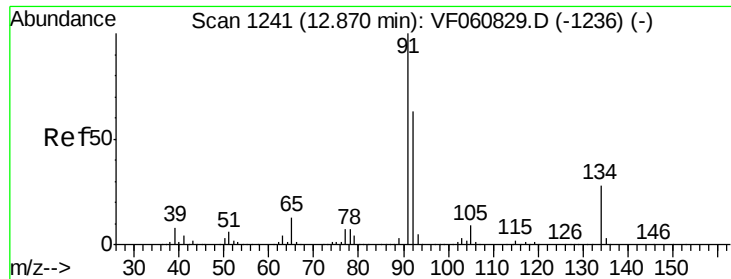
Tot Ion:146 Resp: 112018
 Ion Ratio Lower Upper
 146 100
 111 38.8 20.0 59.9
 148 61.3 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 21.131 ug/l
 RT: 12.58 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Tgt Ion:146 Resp: 111813
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.9 56.7
 148 62.2 32.3 96.9

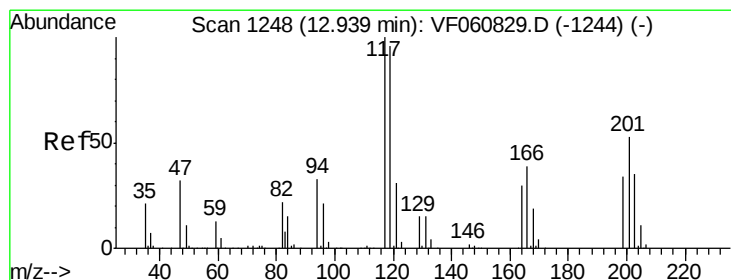
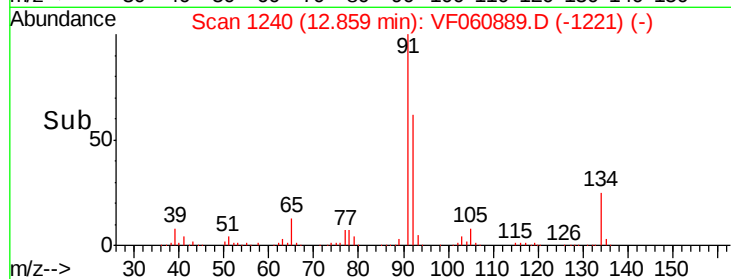
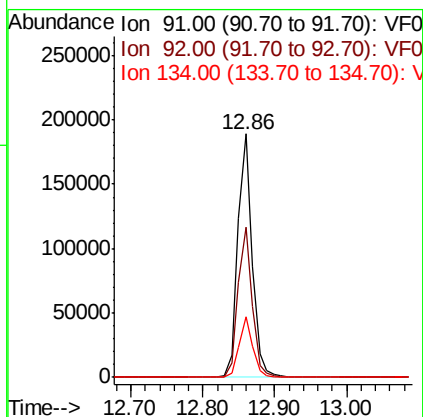
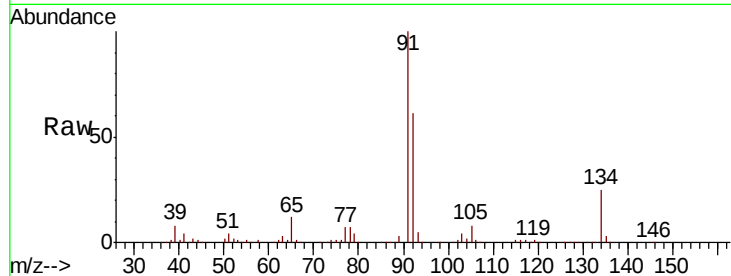




#89
n-Butylbenzene
Concen: 21.167 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

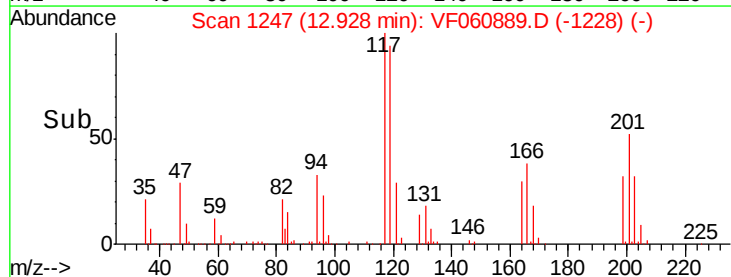
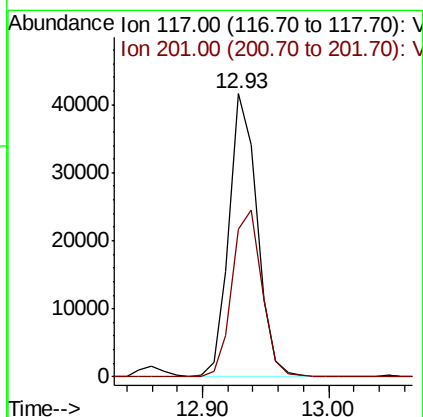
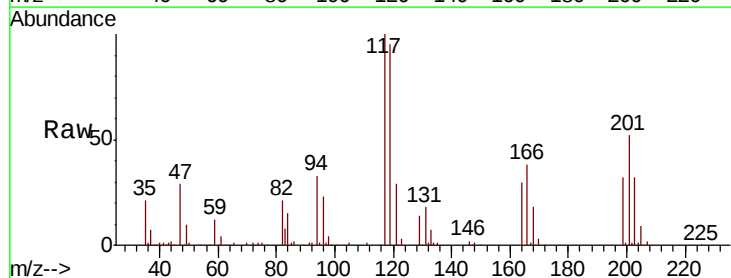
Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion: 91 Resp: 264485
Ion Ratio Lower Upper
91 100
92 61.5 31.6 94.7
134 25.1 13.8 41.4



#90
Hexachloroethane
Concen: 21.547 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion: 117 Resp: 64119
Ion Ratio Lower Upper
117 100
201 52.1 26.7 80.1





#91

1,2-Dichlorobenzene

Concen: 22.333 ug/l

RT: 12.96 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

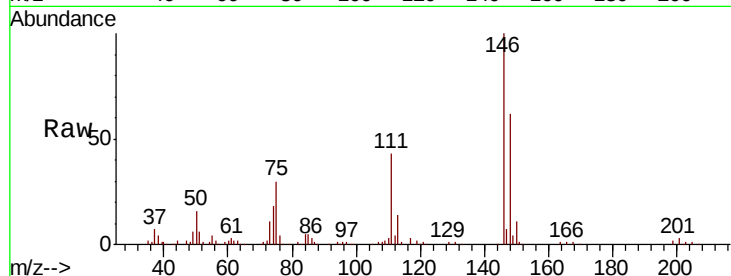
Tot Ion:146 Resp: 114835

Ion Ratio Lower Upper

146 100

111 43.1 21.2 63.6

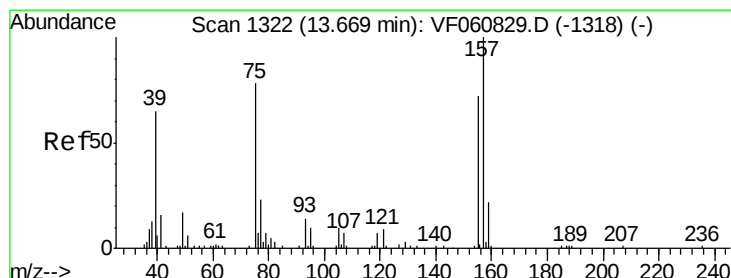
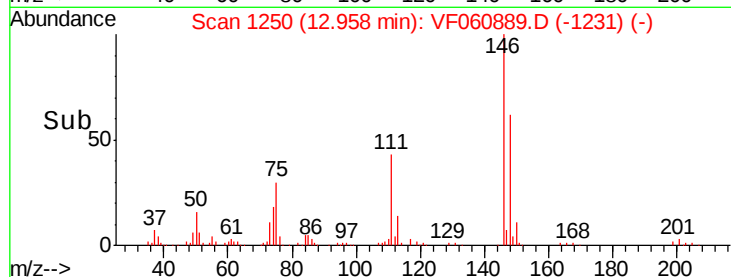
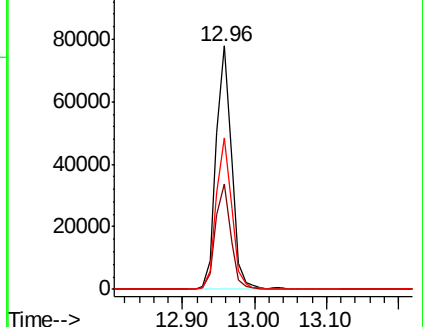
148 62.1 32.5 97.5



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: 21.687 ug/l

RT: 13.66 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

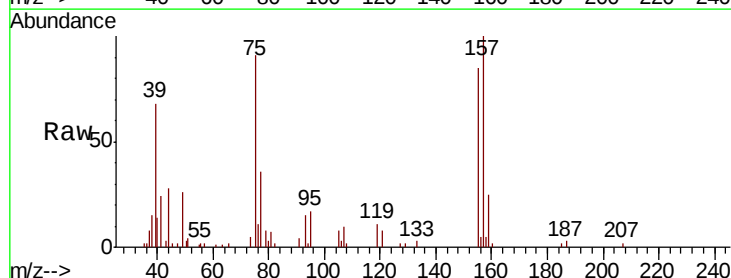
Tgt Ion: 75 Resp: 8985

Ion Ratio Lower Upper

75 100

155 93.8 45.6 136.9

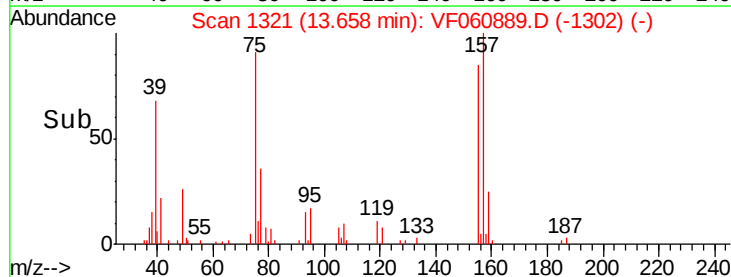
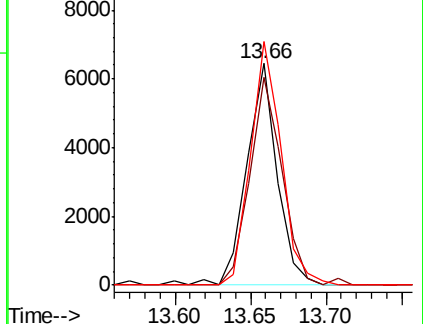
157 109.9 63.8 191.5



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

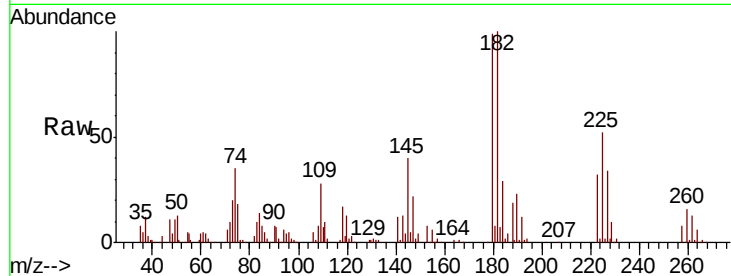




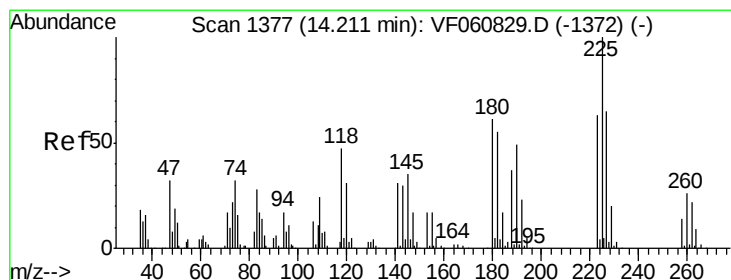
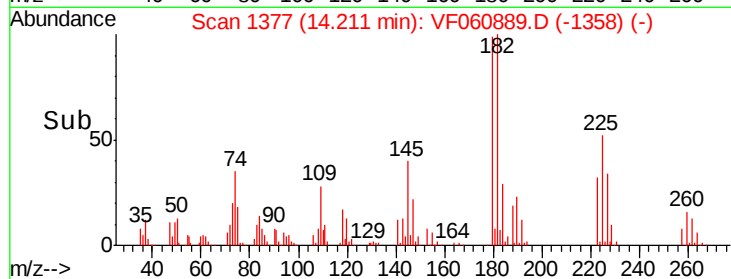
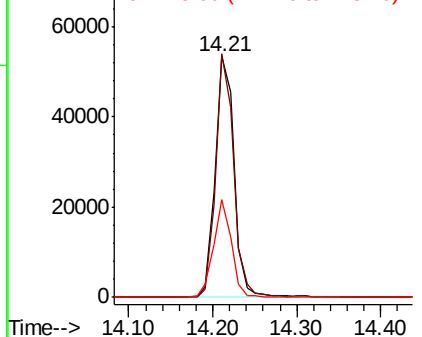
#93
 1,2,4-Trichlorobenzene
 Concen: 23.252 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

Tot Ion:180 Resp: 83539
 Ion Ratio Lower Upper
 180 100
 182 101.1 48.5 145.5
 145 40.7 18.1 54.3

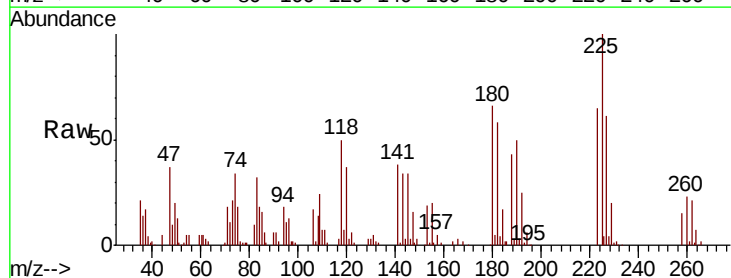


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

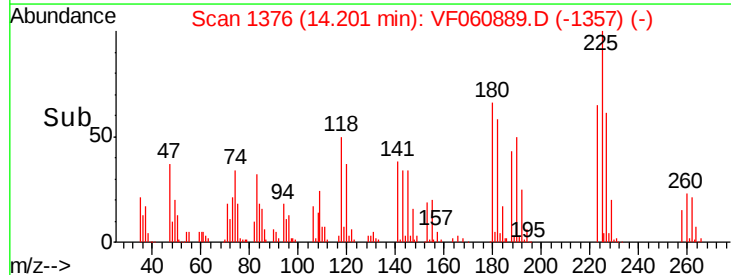
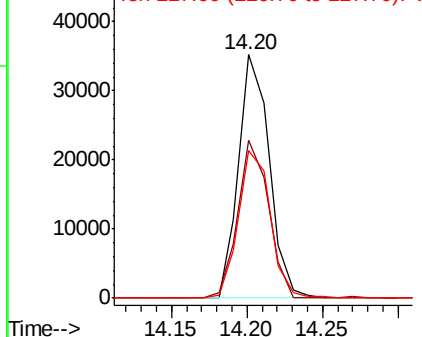


#94
 Hexachlorobutadiene
 Concen: 20.826 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Tgt Ion:225 Resp: 49880
 Ion Ratio Lower Upper
 225 100
 223 64.8 31.4 94.3
 227 60.7 32.5 97.5



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 19.797 ug/l

RT: 14.47 min Scan# 1403

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

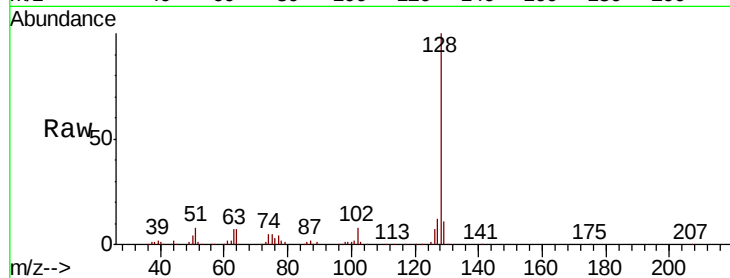
Tot Ion:128 Resp: 152790

Ion	Ratio	Lower	Upper
128	100		
127	11.9	9.9	14.9
129	11.1	9.1	13.7

128 100

127 11.9 9.9 14.9

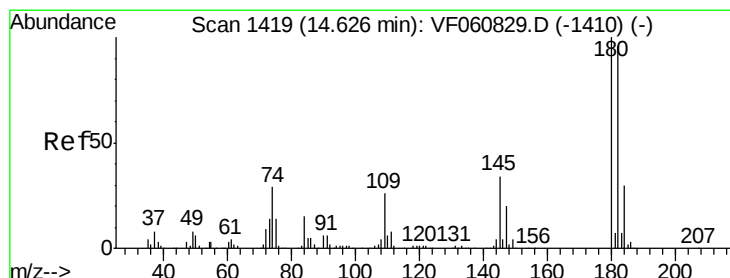
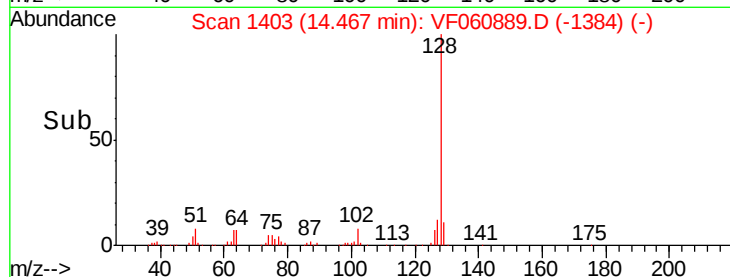
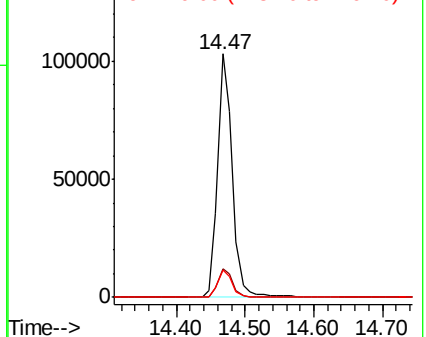
129 11.1 9.1 13.7



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: 22.856 ug/l

RT: 14.62 min Scan# 1418

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

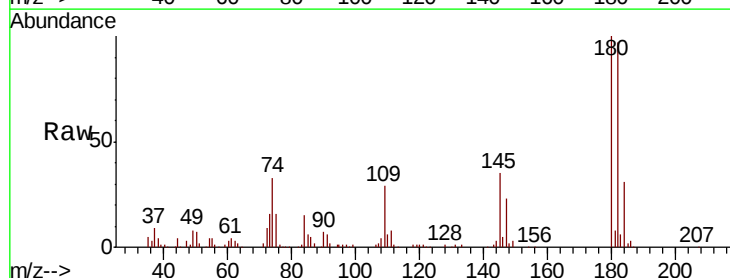
Tgt Ion:180 Resp: 76248

Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.9	143.8
145	34.9	17.2	51.5

180 100

182 97.1 47.9 143.8

145 34.9 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

