

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082718\
 Data File : VF060137.D
 Acq On : 27 Aug 2018 20:53
 Operator : VA/AP
 Sample : VF0827SBSD01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0827SBSD01

Quant Time: Aug 28 01:14:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	108016	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	138686	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	119042	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	65555	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	40158	27.16	ug/l	-0.02
Spiked Amount			Recovery	=	54.32%	
35) Dibromofluoromethane	4.28	113	46770	42.95	ug/l	-0.02
Spiked Amount			Recovery	=	85.90%	
50) Toluene-d8	7.70	98	145817	47.15	ug/l	-0.02
Spiked Amount			Recovery	=	94.30%	
62) 4-Bromofluorobenzene	11.50	95	62805	38.39	ug/l	-0.01
Spiked Amount			Recovery	=	76.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	40625	28.57	ug/l	92
3) Chloromethane	1.07	50	18105	17.19	ug/l	# 88
4) Vinyl Chloride	1.13	62	17948	20.33	ug/l	97
5) Bromomethane	1.32	94	7722	11.51	ug/l	82
6) Chloroethane	1.41	64	12039	34.59	ug/l	97
7) Trichlorofluoromethane	1.49	101	77583	43.70	ug/l	98
8) Diethyl Ether	1.69	74	4086	12.87	ug/l	55
9) 1,1,2-Trichlorotrifluoroet	1.86	101	34379	36.89	ug/l	89
10) Methyl Iodide	1.93	142	16659	13.52	ug/l	96
11) Tert butyl alcohol	2.61	59	1582	20.12	ug/l	# 80
12) 1,1-Dichloroethene	1.83	96	23367	34.03	ug/l	92
13) Acrolein	2.08	56	965	44.29	ug/l	99
14) Allyl chloride	2.19	41	20833	17.08	ug/l	# 86
15) Acrylonitrile	3.05	53	5052	32.55	ug/l	# 80
16) Acetone	2.31	43	14162	36.45	ug/l	97
17) Carbon Disulfide	1.84	76	64760	30.12	ug/l	97
18) Methyl Acetate	2.43	43	4994	3.72	ug/l	93
19) Methyl tert-butyl Ether	2.51	73	21084	9.58	ug/l	100
20) Methylene Chloride	2.28	84	14552	15.48	ug/l	90
21) trans-1,2-Dichloroethene	2.40	96	20373	26.52	ug/l	89
22) Diisopropyl ether	2.89	45	36754	13.46	ug/l	97
23) Vinyl Acetate	3.31	43	51911	35.88	ug/l	99
24) 1,1-Dichloroethane	2.99	63	35995	21.34	ug/l	97
25) 2-Butanone	4.53	43	15270	30.26	ug/l	# 71
26) 2,2-Dichloropropane	3.75	77	19702	11.29	ug/l	81
27) cis-1,2-Dichloroethene	3.63	96	16276	14.95	ug/l	98
28) Bromochloromethane	3.87	49	8573	12.04	ug/l	93
29) Tetrahydrofuran	4.22	42	5935	31.15	ug/l	94
30) Chloroform	4.02	83	40582	17.14	ug/l	90
31) Cyclohexane	3.85	56	29498	22.95	ug/l	93
32) 1,1,1-Trichloroethane	4.27	97	49365	24.34	ug/l	96
36) 1,1-Dichloropropene	4.45	75	32540	24.97	ug/l	92
37) Ethyl Acetate	4.25	43	6217	7.98	ug/l	# 1
38) Carbon Tetrachloride	4.16	117	48533	32.16	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	34914	28.57	ug/l	89
40) Benzene	4.80	78	53657	18.85	ug/l	98
41) Methacrylonitrile	4.90	41	2953	7.49	ug/l #	83
42) 1,2-Dichloroethane	5.09	62	20236	13.26	ug/l	98
43) Isopropyl Acetate	7.09	43	7034	7.17	ug/l #	98
44) Trichloroethene	5.67	130	22574	23.98	ug/l	98
45) 1,2-Dichloropropane	6.40	63	11498	14.28	ug/l #	85
46) Dibromomethane	6.24	93	7213	11.45	ug/l	94
47) Bromodichloromethane	6.53	83	24131	15.85	ug/l	91
48) Methyl methacrylate	6.85	41	5444	8.39	ug/l #	84
49) 1,4-Dioxane	6.84	88	882	141.53	ug/l #	82
51) 4-Methyl-2-Pentanone	8.39	43	37109	43.80	ug/l	96
52) Toluene	7.77	92	43760	21.05	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	16167	11.71	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	17768	11.53	ug/l	99
55) 1,1,2-Trichloroethane	8.62	97	8466	11.02	ug/l	94
56) Ethyl methacrylate	8.74	69	7316	7.87	ug/l	93
57) 1,3-Dichloropropane	8.99	76	14456	10.71	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.77	63	8442	114.38	ug/l	100
59) 2-Hexanone	9.62	43	22842	33.31	ug/l	98
60) Dibromochloromethane	8.85	129	14276	12.59	ug/l	96
61) 1,2-Dibromoethane	9.13	107	8147	9.03	ug/l	90
64) Tetrachloroethene	8.30	164	26003	32.43	ug/l	95
65) Chlorobenzene	9.93	112	51015	22.69	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.06	131	17394	20.40	ug/l	97
67) Ethyl Benzene	10.03	91	108343	27.93	ug/l	98
68) m/p-Xylenes	10.26	106	75718	55.51	ug/l	98
69) o-Xylene	10.82	106	33458	22.02	ug/l	90
70) Styrene	10.89	104	47795	20.50	ug/l #	92
71) Bromoform	10.88	173	7290	12.26	ug/l	98
73) Isopropylbenzene	11.23	105	132299	33.53	ug/l	98
74) N-amyl acetate	11.45	43	12273	10.01	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	11503	13.35	ug/l	95
76) 1,2,3-Trichloropropane	11.88	75	9683	14.49	ug/l	87
77) Bromobenzene	11.59	156	22424	20.90	ug/l	98
78) n-propylbenzene	11.68	91	161594	33.18	ug/l	95
79) 2-Chlorotoluene	11.81	91	77570	27.09	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	101510	29.53	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.94	75	2622	8.57	ug/l #	65
82) 4-Chlorotoluene	11.98	91	77453	24.91	ug/l	100
83) tert-Butylbenzene	12.21	119	109200	32.57	ug/l	94
84) 1,2,4-Trimethylbenzene	12.28	105	91057	24.91	ug/l	94
85) sec-Butylbenzene	12.38	105	162426	34.80	ug/l	98
86) p-Isopropyltoluene	12.54	119	119891	30.96	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	48096	24.24	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	45189	22.92	ug/l	97
89) n-Butylbenzene	12.91	91	108375	28.80	ug/l	94
90) Hexachloroethane	12.99	117	27329	31.40	ug/l	98
91) 1,2-Dichlorobenzene	13.01	146	41907	21.96	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	1842	10.46	ug/l	86

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QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration

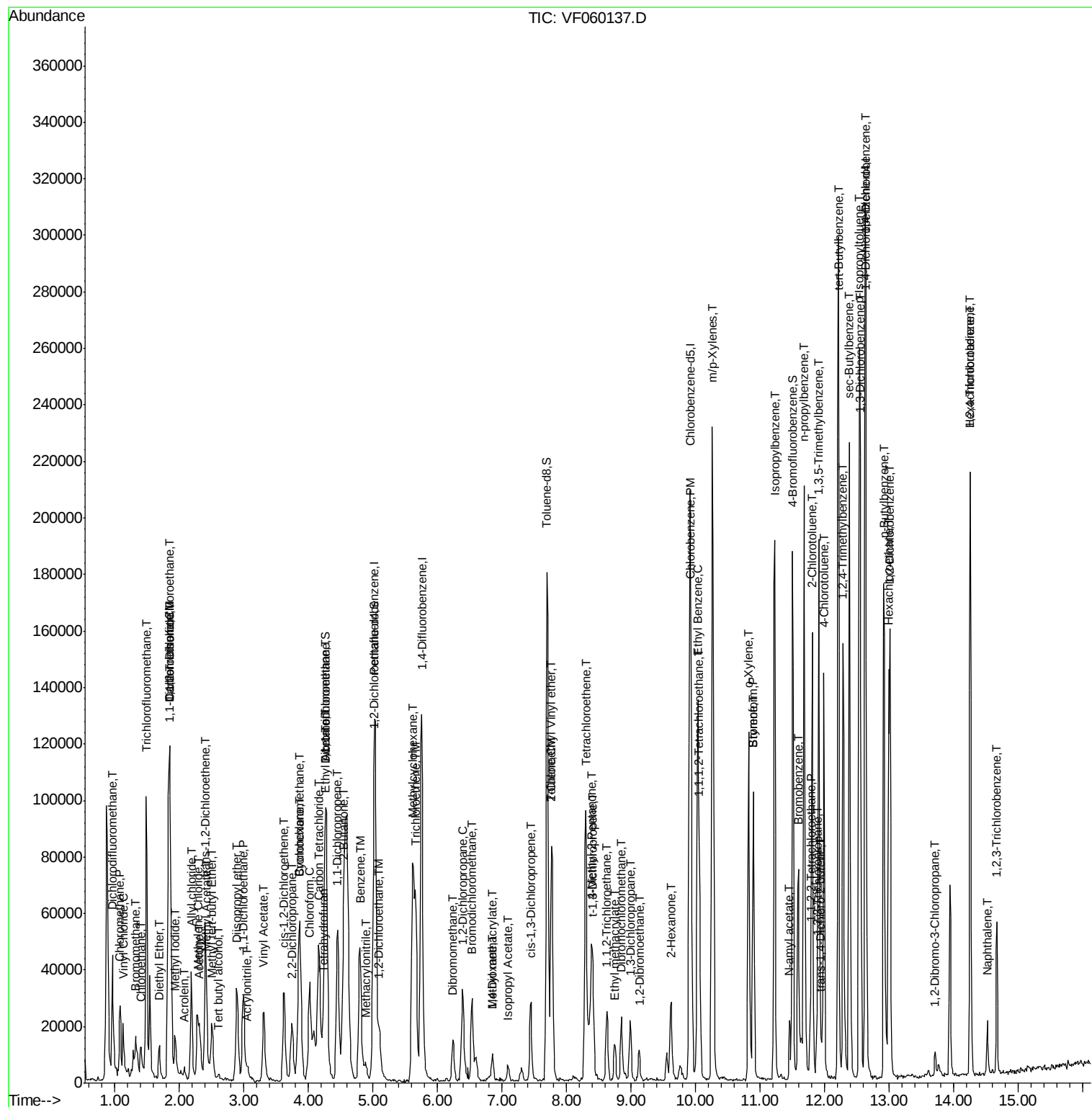
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	17872	12.72	ug/l	87
94) Hexachlorobutadiene	14.25	225	27214	31.12	ug/l	94
95) Naphthalene	14.52	128	13427	7.54	ug/l #	96
96) 1,2,3-Trichlorobenzene	14.67	180	14911	11.12	ug/l	95

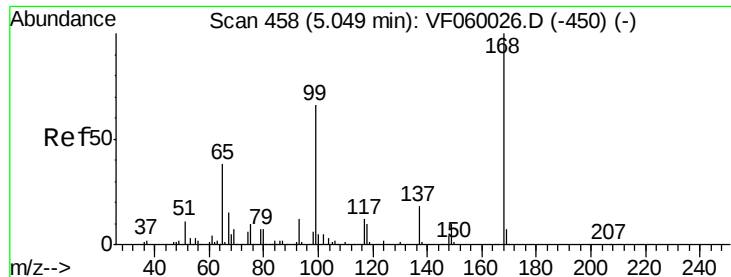
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Instrument :

MSVOA_F

ClientSampleId :

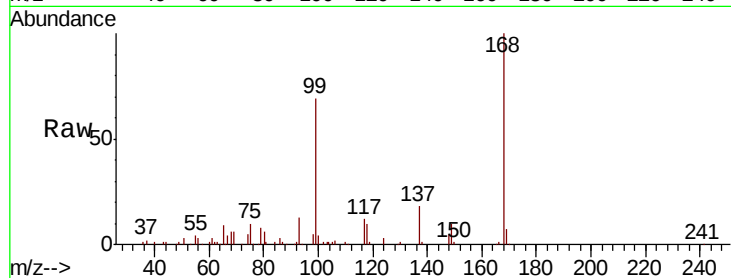
VF0827SBS01

Tot Ion:168 Resp: 108016

Ion Ratio Lower Upper

168 100

99 68.9 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

40000

30000

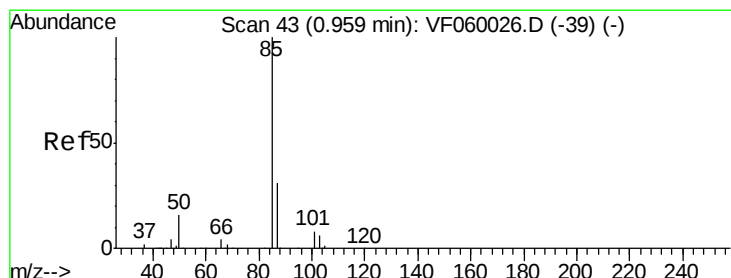
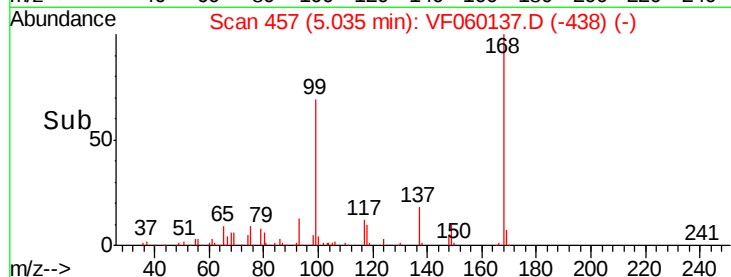
20000

10000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#2

Dichlorodifluoromethane

Concen: 28.57 ug/l

RT: 0.96 min Scan# 44

Delta R.T. 0.01 min

Lab File: VF060137.D

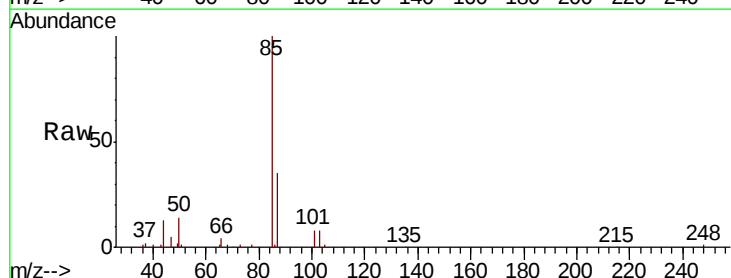
Acq: 27 Aug 2018 20:53

Tgt Ion: 85 Resp: 40625

Ion Ratio Lower Upper

85 100

87 35.2 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

25000

20000

15000

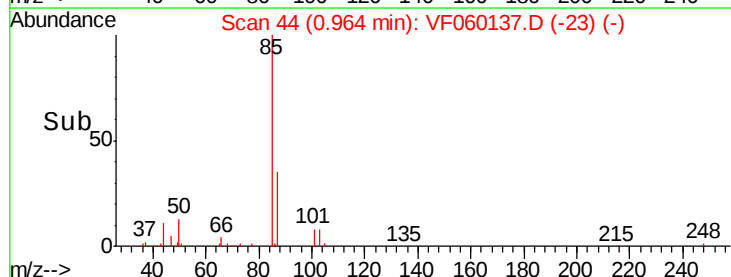
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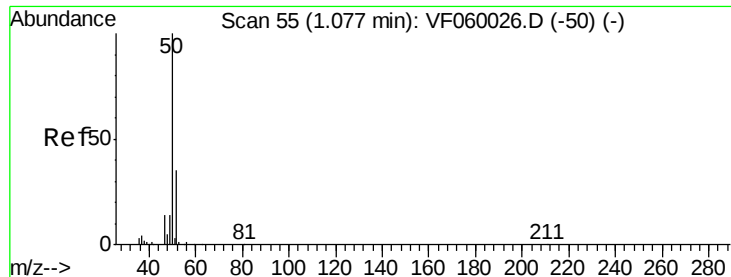
5000

0

0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 17.19 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Instrument :

MSVOA_F

ClientSampleId :

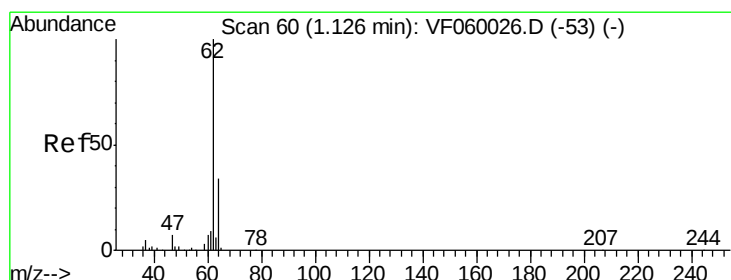
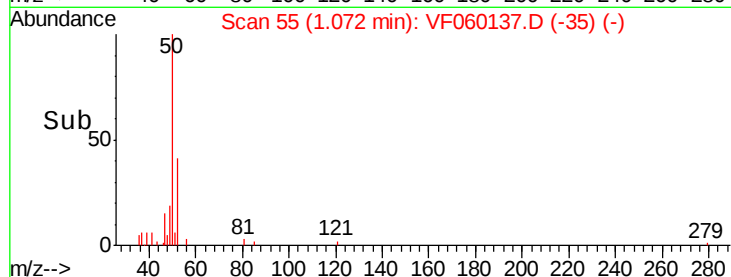
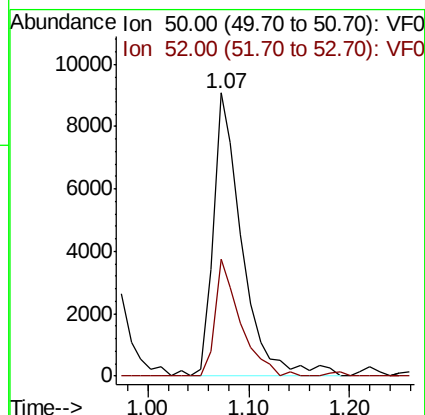
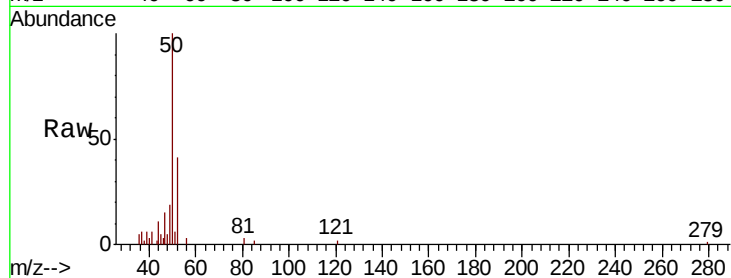
VF0827SBS01

Tot Ion: 50 Resp: 18105

Ion Ratio Lower Upper

50 100

52 41.5 27.6 41.4#



#4

Vinyl Chloride

Concen: 20.33 ug/l

RT: 1.13 min Scan# 61

Delta R.T. 0.01 min

Lab File: VF060137.D

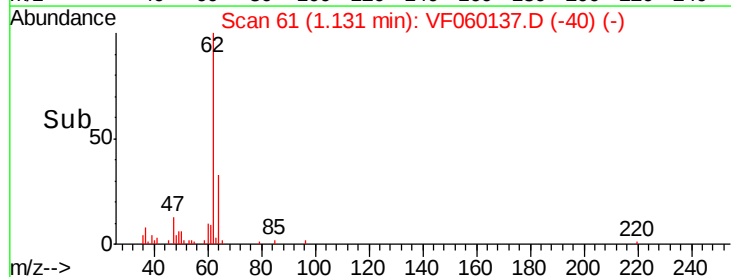
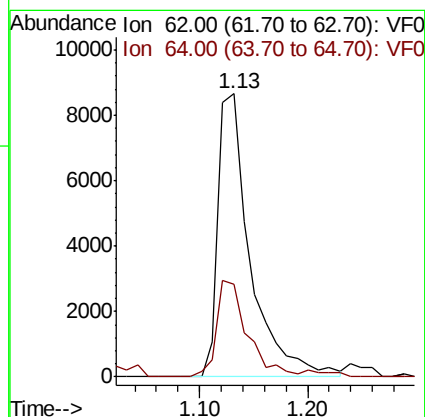
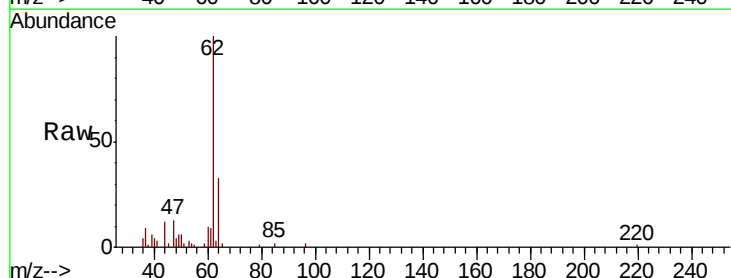
Acq: 27 Aug 2018 20:53

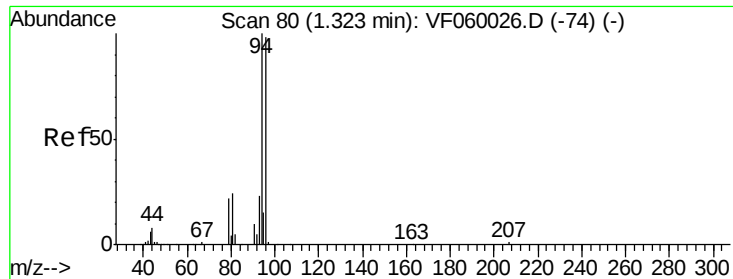
Tgt Ion: 62 Resp: 17948

Ion Ratio Lower Upper

62 100

64 32.8 27.4 41.2

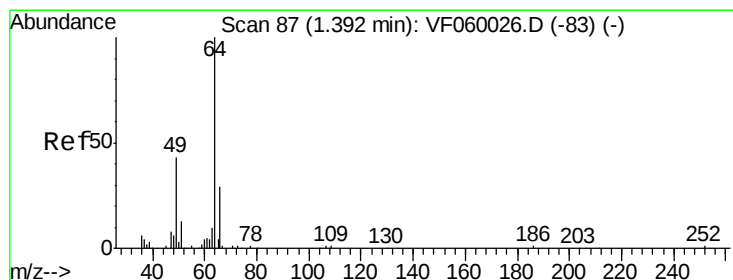
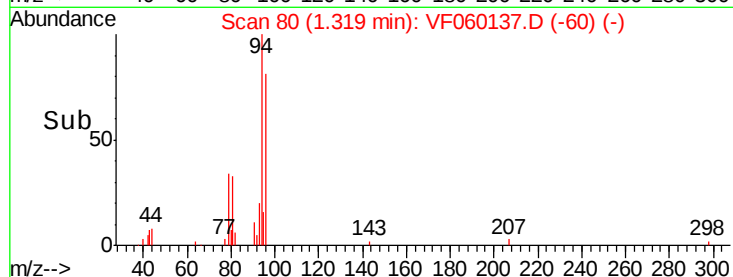
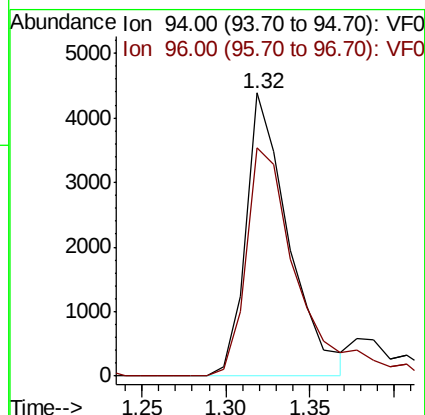
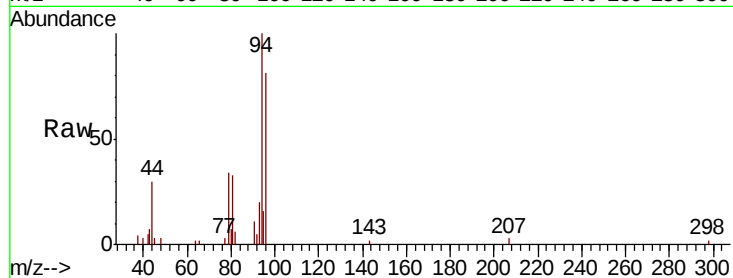




#5
Bromomethane
Concen: 11.51 ug/l
RT: 1.32 min Scan# 80
Delta R.T. -0.00 min
Lab File: VF060137.D
Acq: 27 Aug 2018 20:53

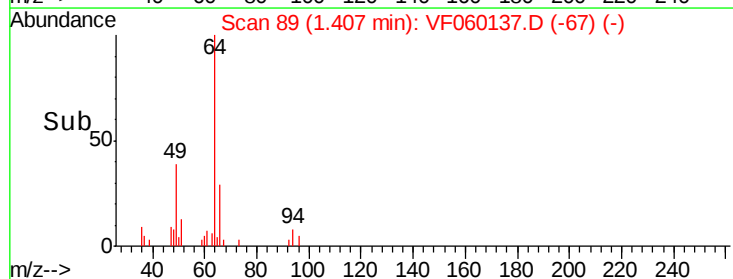
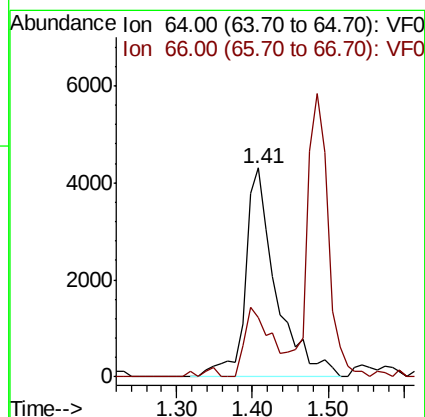
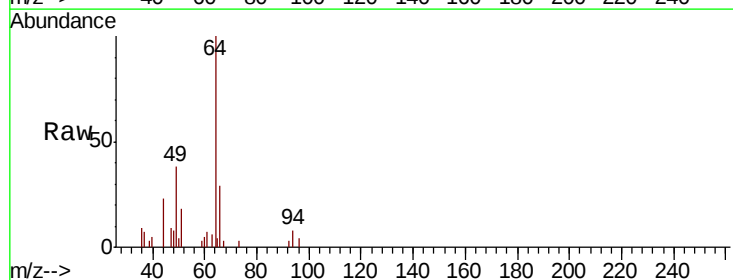
Instrument :
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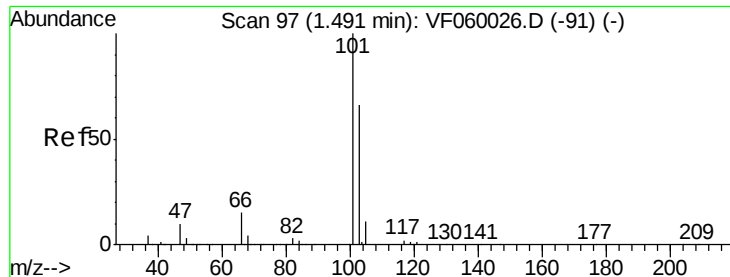
Tot Ion: 94 Resp: 7722
Ion Ratio Lower Upper
94 100
96 80.8 78.6 118.0



#6
Chloroethane
Concen: 34.59 ug/l
RT: 1.41 min Scan# 89
Delta R.T. 0.01 min
Lab File: VF060137.D
Acq: 27 Aug 2018 20:53

Tgt Ion: 64 Resp: 12039
Ion Ratio Lower Upper
64 100
66 28.6 24.1 36.1





#7

Trichlorofluoromethane

Concen: 43.70 ug/l

RT: 1.49 min Scan# 97

Delta R.T. -0.00 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Instrument :

MSVOA_F

ClientSampleId :

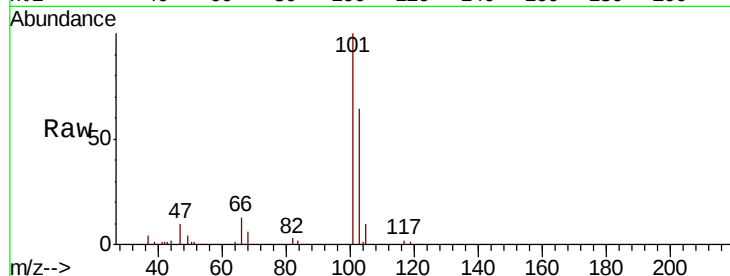
VF0827SBS01

Tot Ion:101 Resp: 77583

Ion Ratio Lower Upper

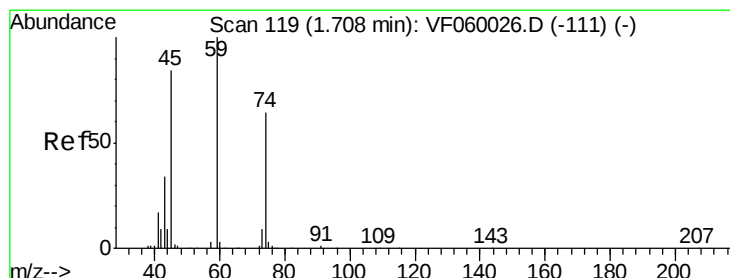
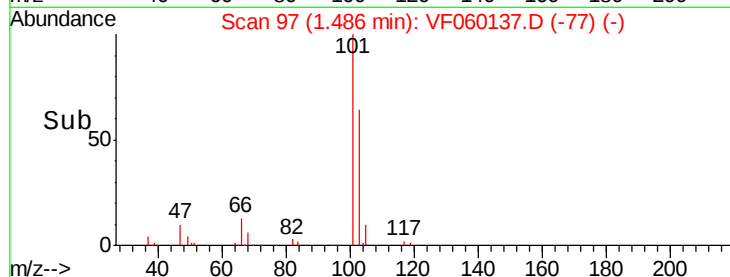
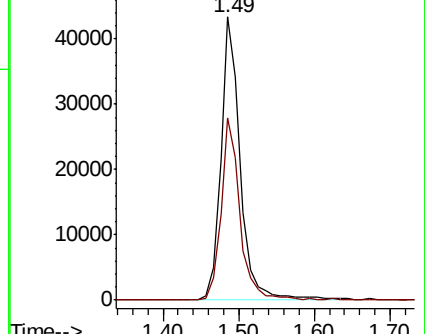
101 100

103 64.4 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 12.87 ug/l

RT: 1.69 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF060137.D

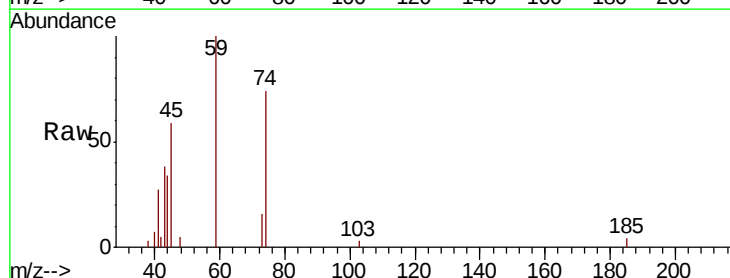
Acq: 27 Aug 2018 20:53

Tgt Ion: 74 Resp: 4086

Ion Ratio Lower Upper

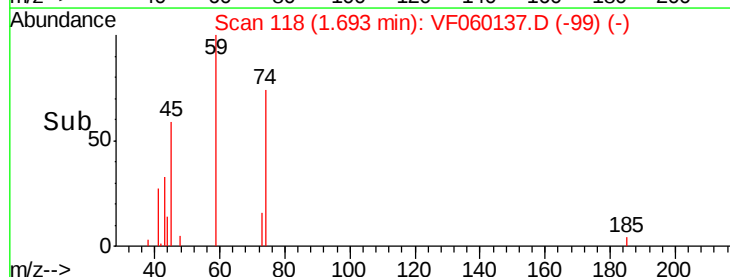
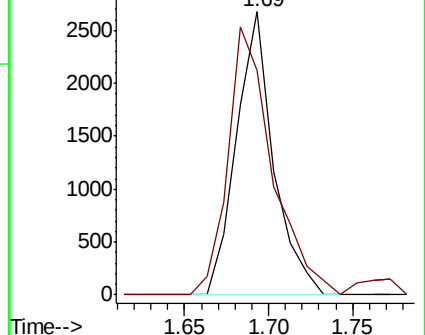
74 100

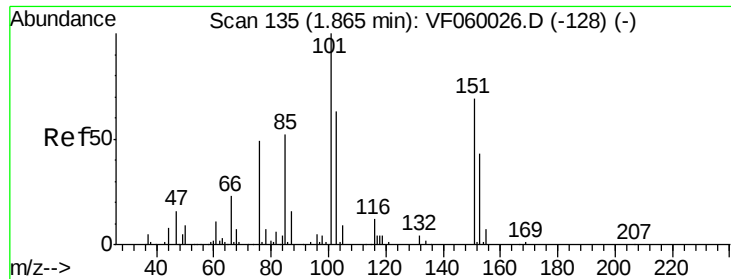
45 79.2 66.0 198.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 36.89 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.00 min

Lab File: VF060137.D

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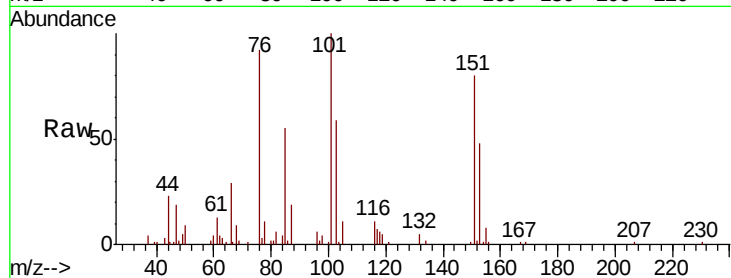
Tot Ion:101 Resp: 34379

Ion Ratio Lower Upper

101 100

85 57.1 41.5 62.3

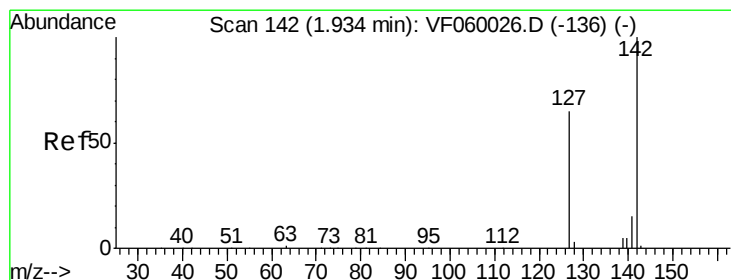
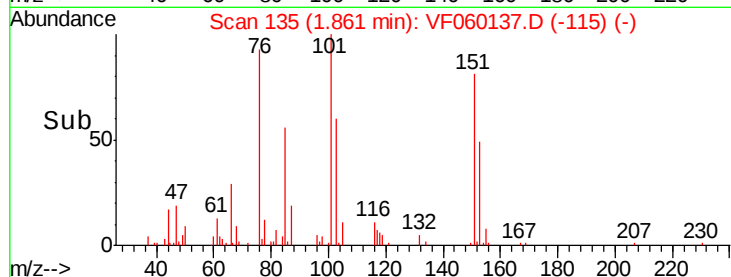
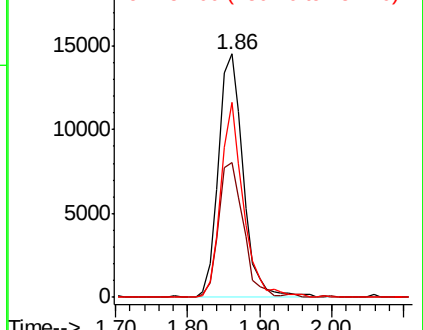
151 79.8 55.2 82.8



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: 13.52 ug/l

RT: 1.93 min Scan# 142

Delta R.T. -0.00 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

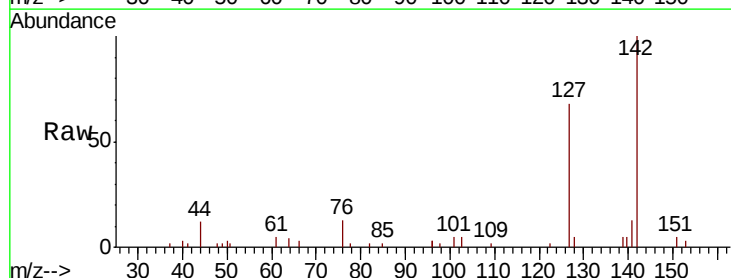
Tgt Ion:142 Resp: 16659

Ion Ratio Lower Upper

142 100

127 68.1 51.8 77.6

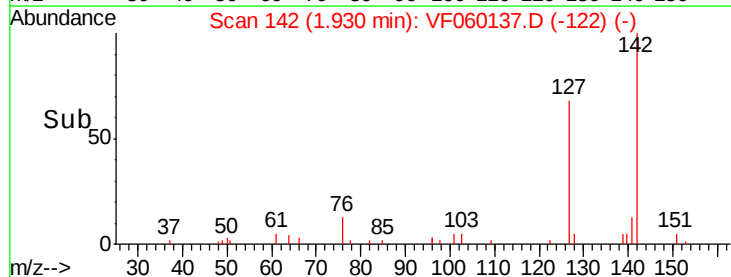
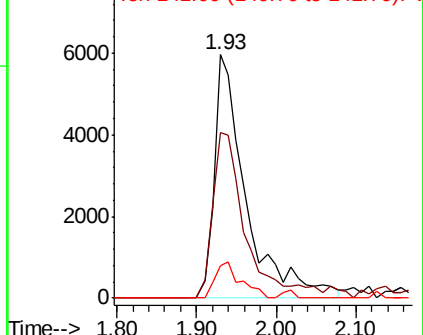
141 13.3 11.9 17.9

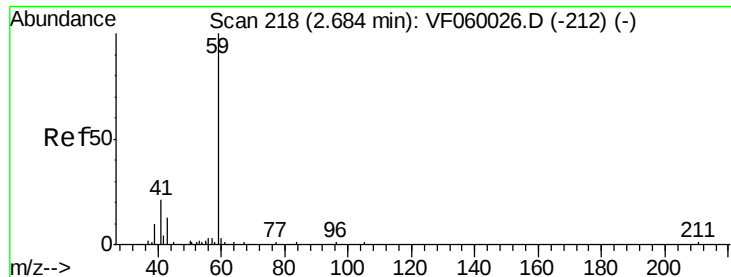


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



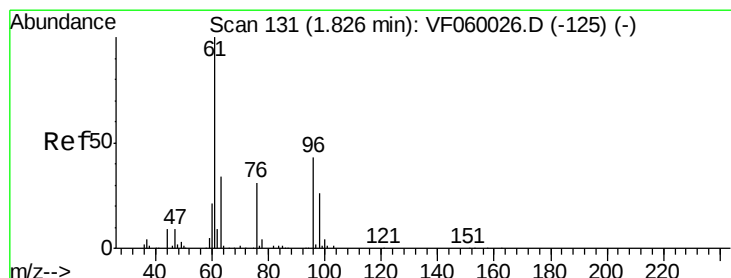
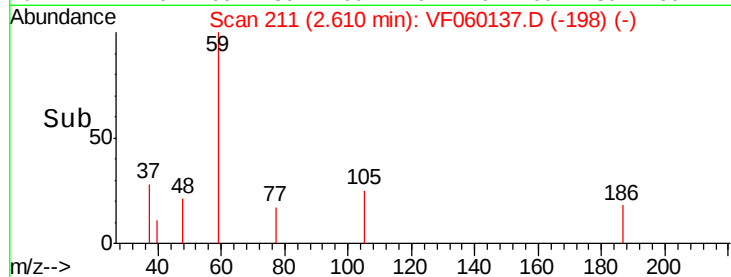
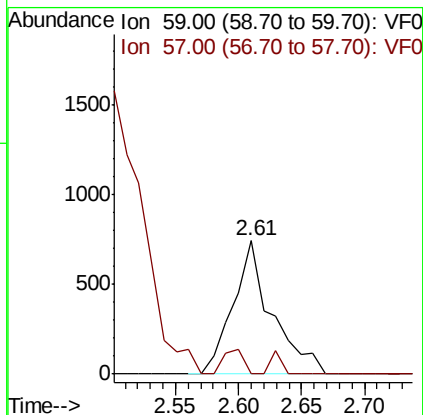
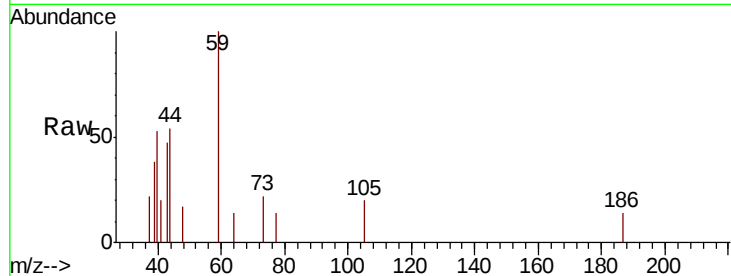


#11

Tert butyl alcohol
 Concen: 20.12 ug/l
 RT: 2.61 min Scan# 211
 Delta R.T. -0.07 min
 Lab File: VF060137.D
 Acq: 27 Aug 2018 20:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0827SBS01

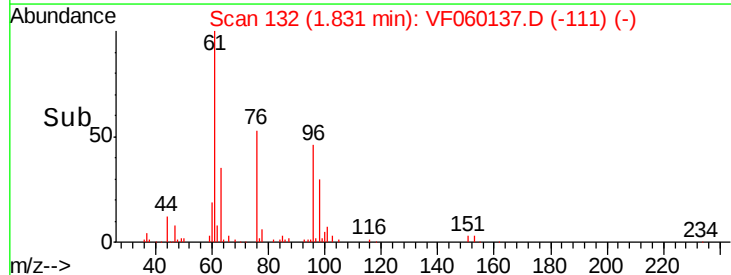
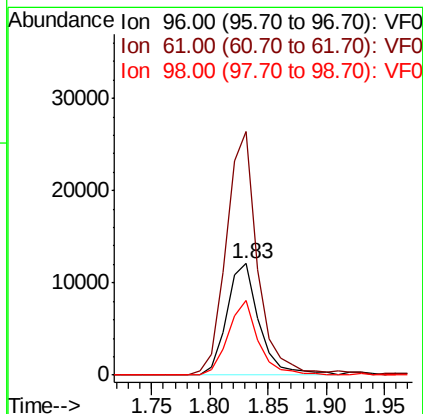
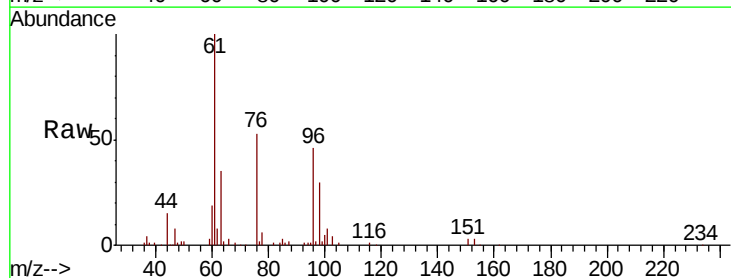
Tot Ion: 59 Resp: 1582
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.4 8.2#

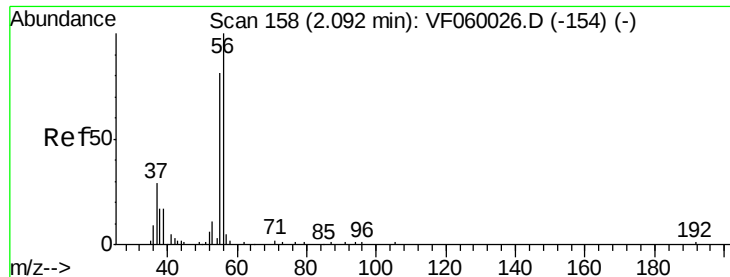


#12

1,1-Dichloroethene
 Concen: 34.03 ug/l
 RT: 1.83 min Scan# 132
 Delta R.T. 0.01 min
 Lab File: VF060137.D
 Acq: 27 Aug 2018 20:53

Tgt Ion: 96 Resp: 23367
 Ion Ratio Lower Upper
 96 100
 61 218.7 185.0 277.6
 98 66.6 47.8 71.8





#13

Acrolein

Concen: 44.29 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Instrument :

MSVOA_F

ClientSampleId :

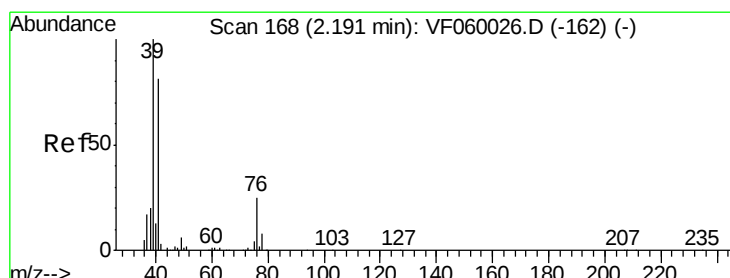
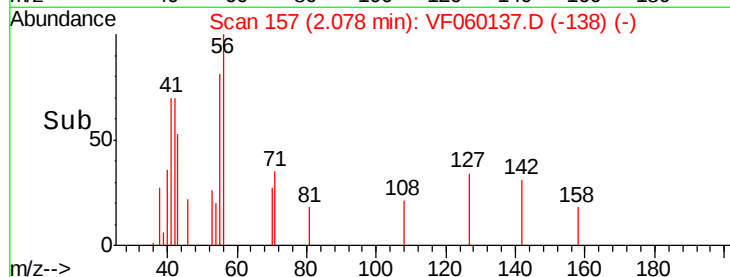
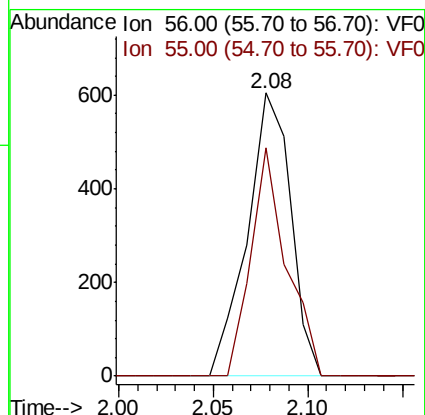
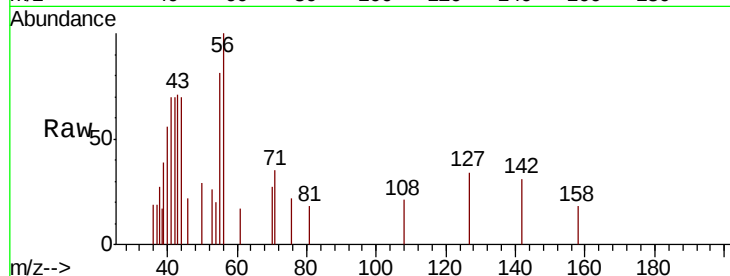
VF0827SBS01

Tot Ion: 56 Resp: 965

Ion Ratio Lower Upper

56 100

55 80.8 65.6 98.4



#14

Allyl chloride

Concen: 17.08 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

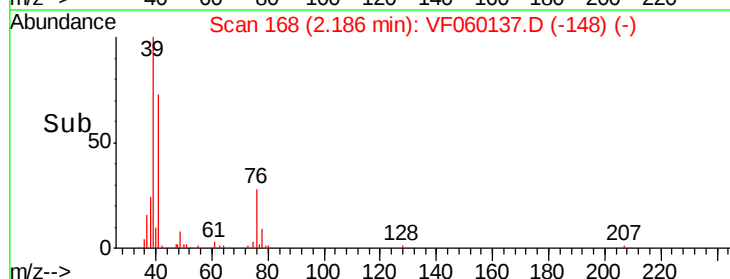
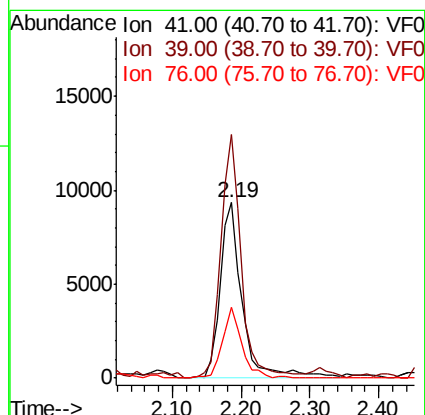
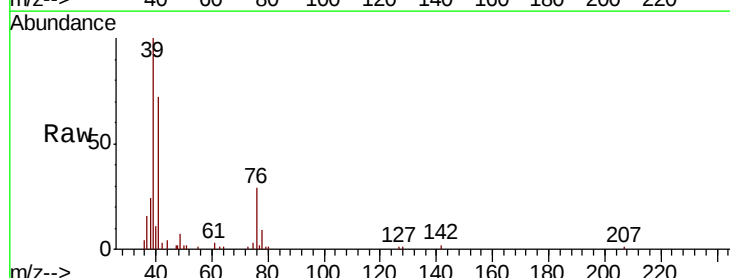
Tgt Ion: 41 Resp: 20833

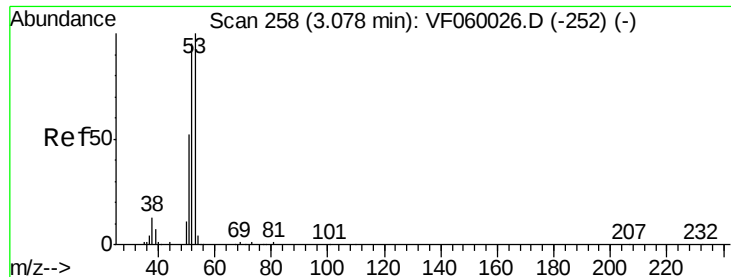
Ion Ratio Lower Upper

41 100

39 139.0 99.3 148.9

76 40.7 24.3 36.5#





#15

Acrylonitrile

Concen: 32.55 ug/l

RT: 3.05 min Scan# 256

Delta R.T. -0.02 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

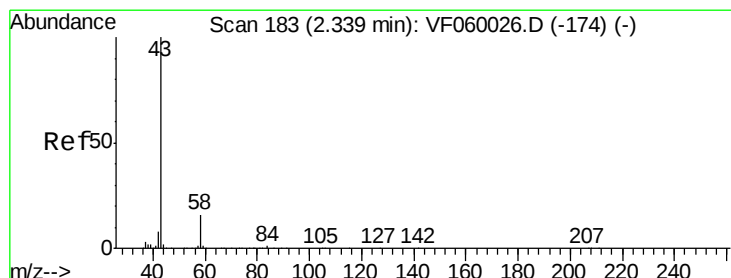
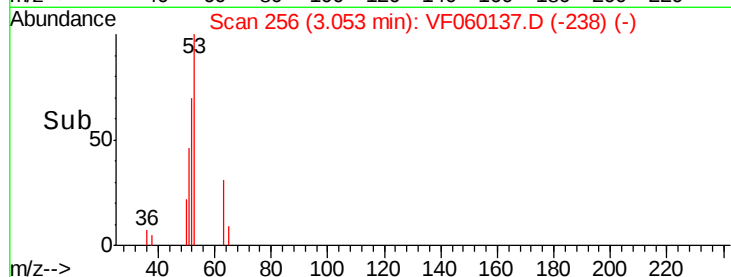
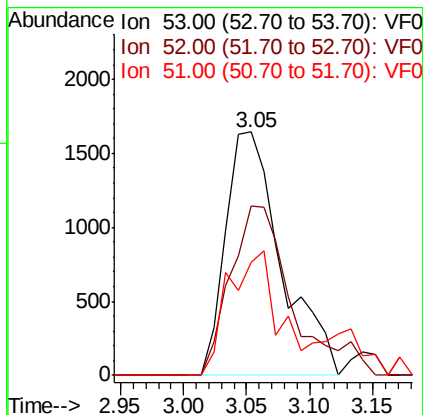
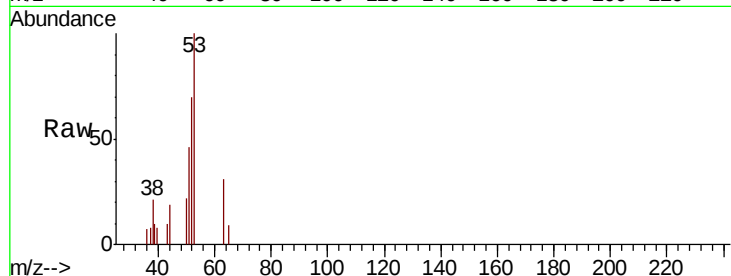
Tot Ion: 53 Resp: 5052

Ion Ratio Lower Upper

53 100

52 69.8 75.8 113.8#

51 46.2 42.1 63.1



#16

Acetone

Concen: 36.45 ug/l

RT: 2.31 min Scan# 181

Delta R.T. -0.02 min

Lab File: VF060137.D

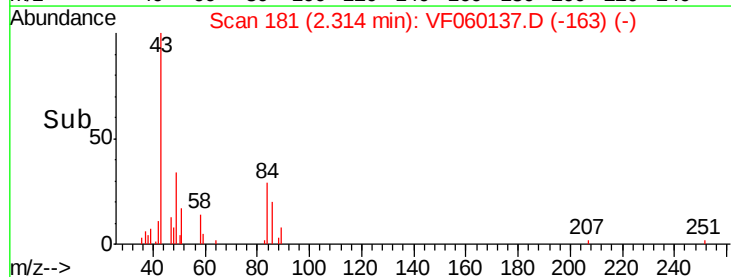
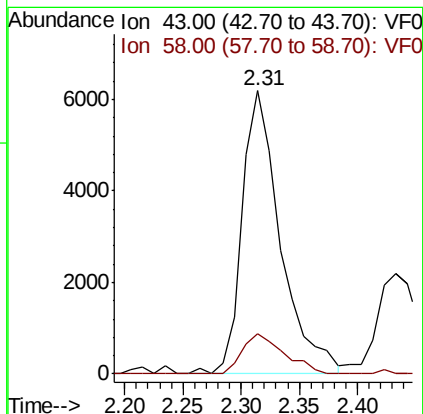
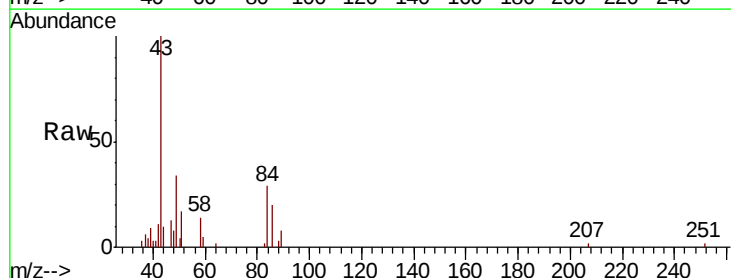
Acq: 27 Aug 2018 20:53

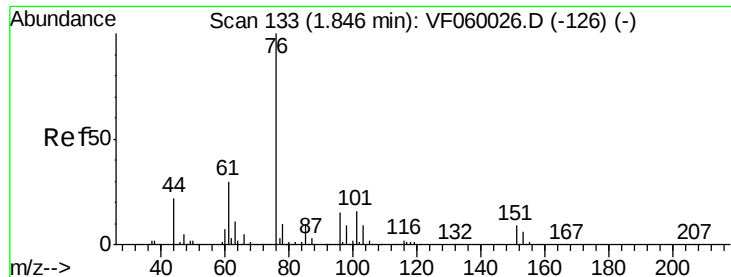
Tgt Ion: 43 Resp: 14162

Ion Ratio Lower Upper

43 100

58 14.4 12.6 19.0

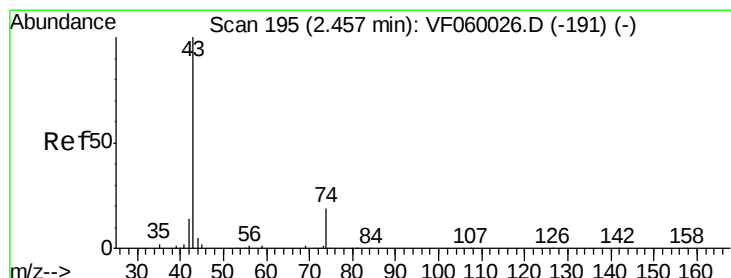
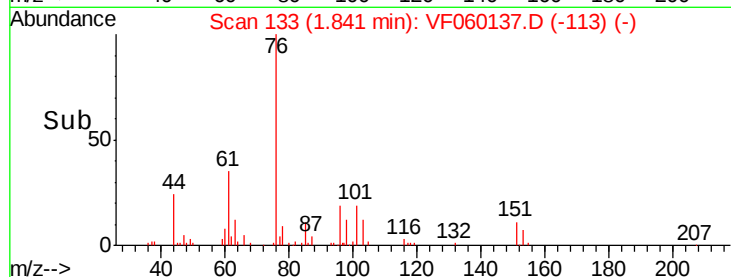
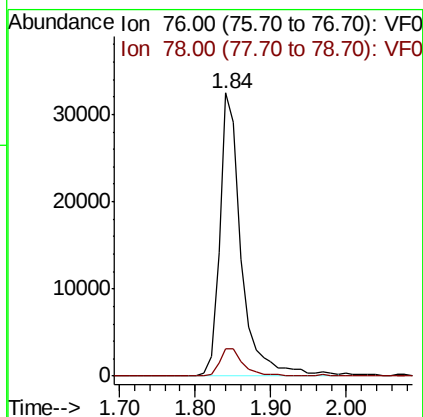
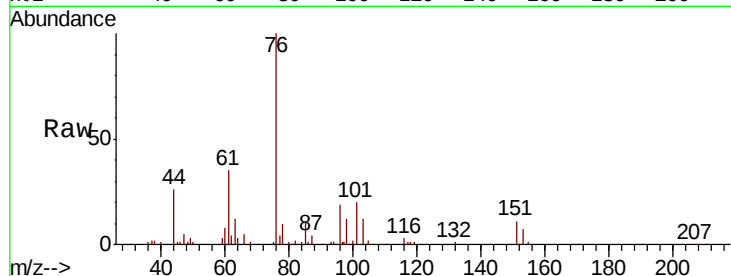




#17
Carbon Disulfide
Concen: 30.12 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.00 min
Lab File: VF060137.D
Acq: 27 Aug 2018 20:53

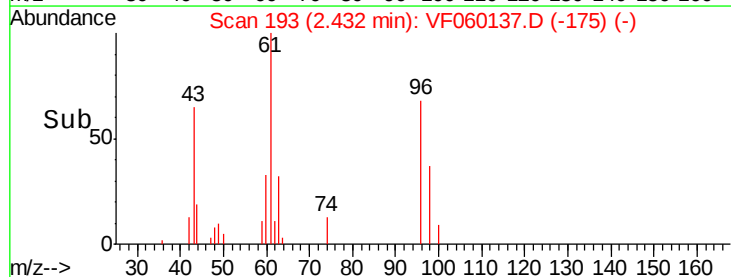
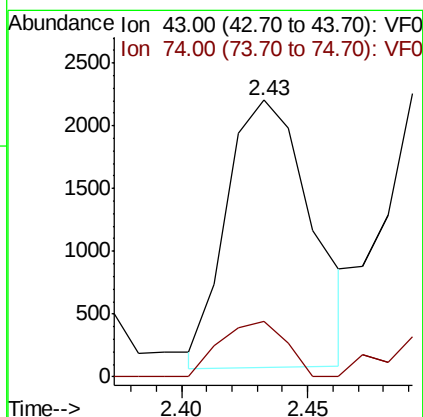
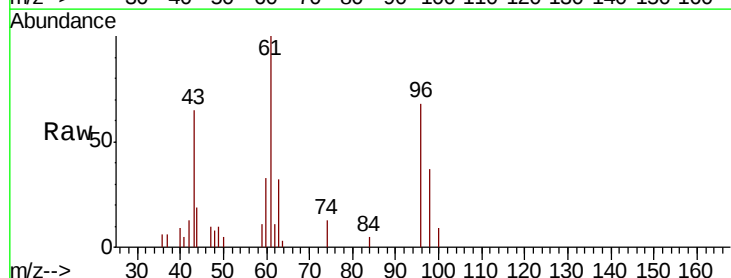
Instrument :
MSVOA_F
ClientSampleId :
VF0827SBS01

Tot Ion: 76 Resp: 64760
Ion Ratio Lower Upper
76 100
78 9.5 8.4 12.6



#18
Methyl Acetate
Concen: 3.72 ug/l
RT: 2.43 min Scan# 193
Delta R.T. -0.02 min
Lab File: VF060137.D
Acq: 27 Aug 2018 20:53

Tgt Ion: 43 Resp: 4994
Ion Ratio Lower Upper
43 100
74 20.3 13.8 20.6



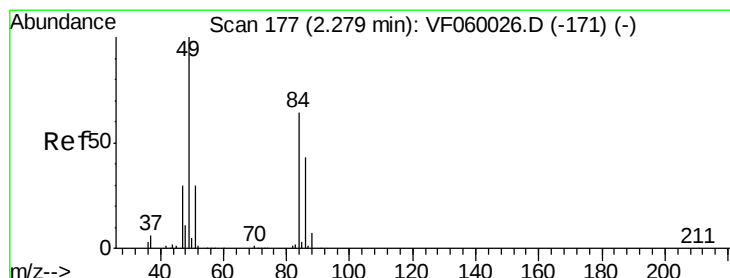
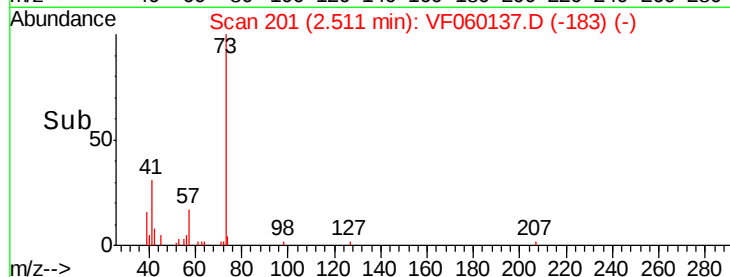
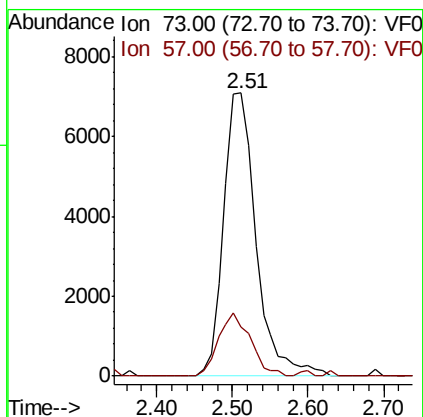
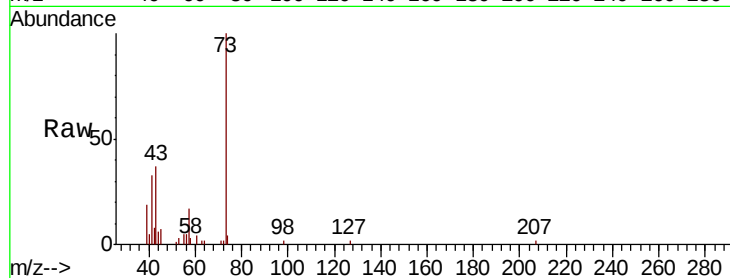


#19

Methyl tert-butyl Ether
 Concen: 9.58 ug/l
 RT: 2.51 min Scan# 201
 Delta R.T. -0.02 min
 Lab File: VF060137.D
 Acq: 27 Aug 2018 20:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0827SBS01

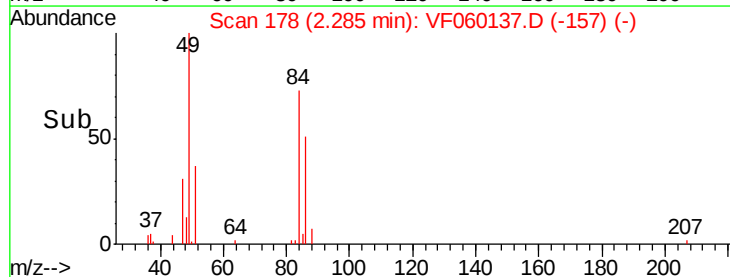
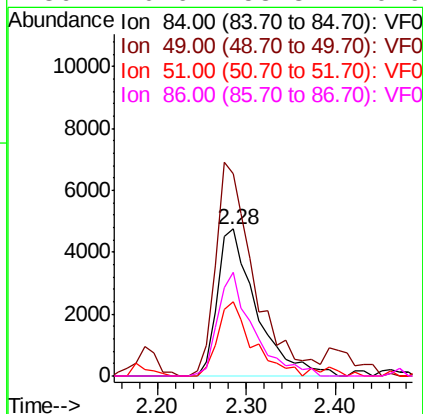
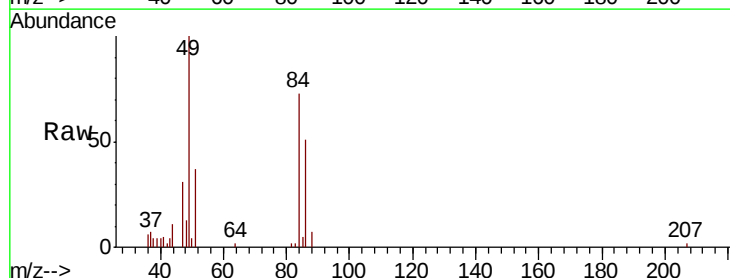
Tot Ion: 73 Resp: 21084
 Ion Ratio Lower Upper
 73 100
 57 17.2 13.7 20.5

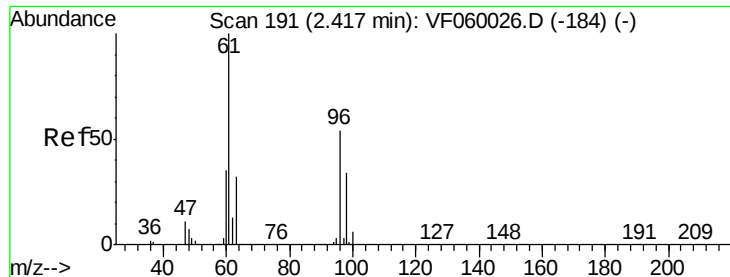


#20

Methylene Chloride
 Concen: 15.48 ug/l
 RT: 2.28 min Scan# 178
 Delta R.T. 0.01 min
 Lab File: VF060137.D
 Acq: 27 Aug 2018 20:53

Tgt Ion: 84 Resp: 14552
 Ion Ratio Lower Upper
 84 100
 49 137.3 125.4 188.0
 51 50.3 38.3 57.5
 86 70.6 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 26.52 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

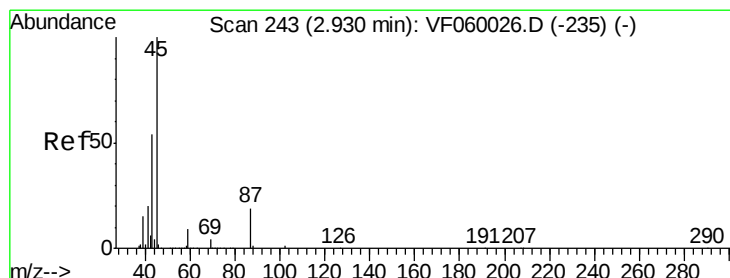
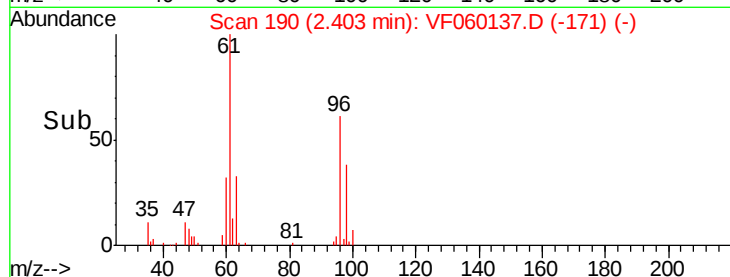
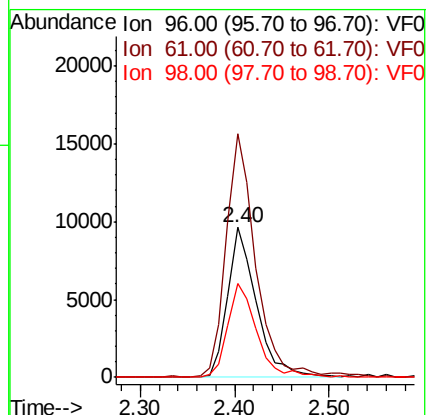
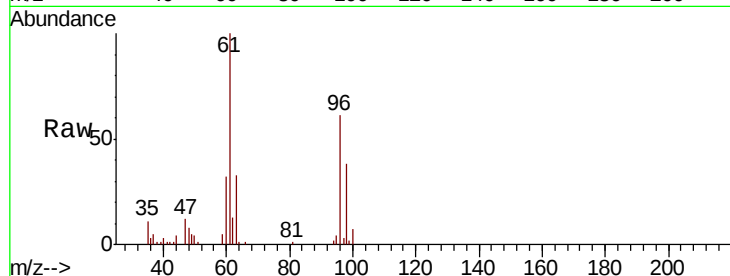
Tot Ion: 96 Resp: 20373

Ion Ratio Lower Upper

96 100

61 162.7 147.4 221.0

98 62.3 49.8 74.6



#22

Diisopropyl ether

Concen: 13.46 ug/l

RT: 2.89 min Scan# 239

Delta R.T. -0.04 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Tgt Ion: 45 Resp: 36754

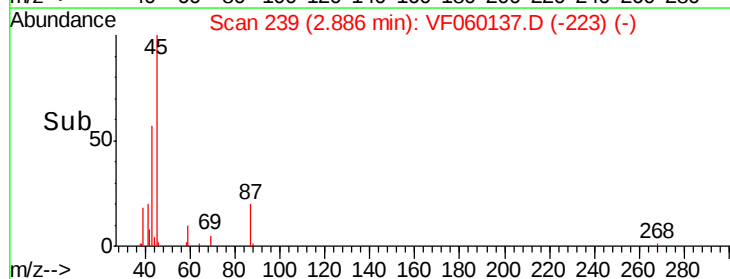
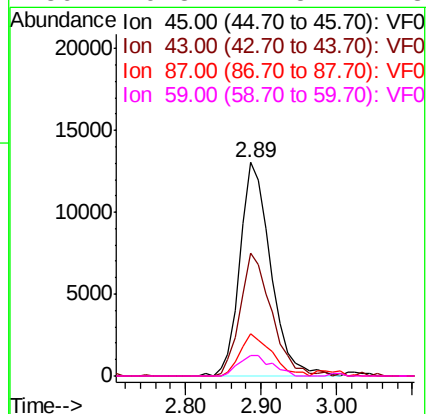
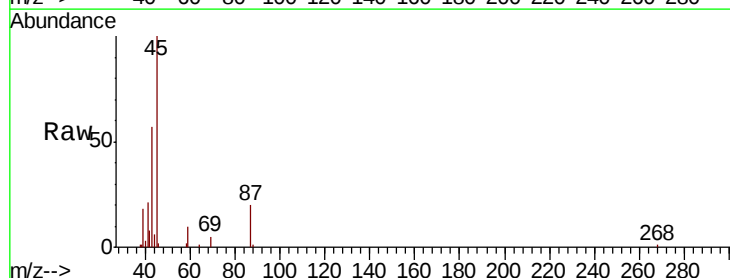
Ion Ratio Lower Upper

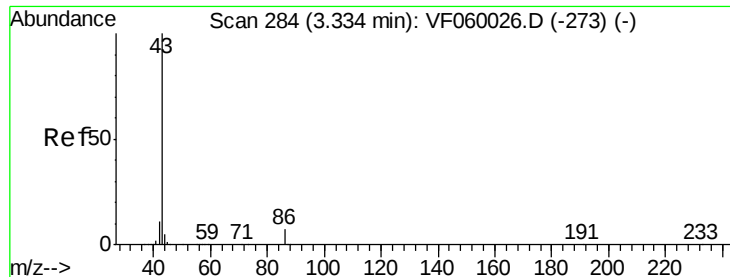
45 100

43 57.3 43.4 65.2

87 19.6 15.4 23.2

59 9.8 7.5 11.3





#23

Vinyl Acetate

Concen: 35.88 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.02 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Instrument :

MSVOA_F

ClientSampleId :

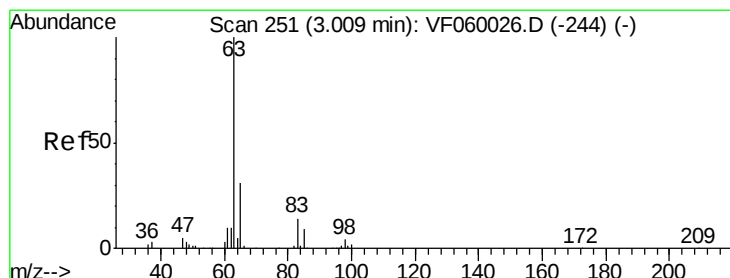
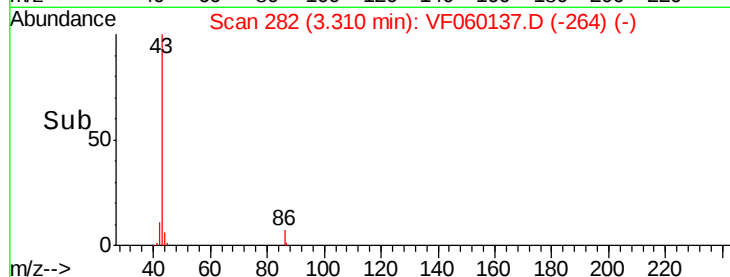
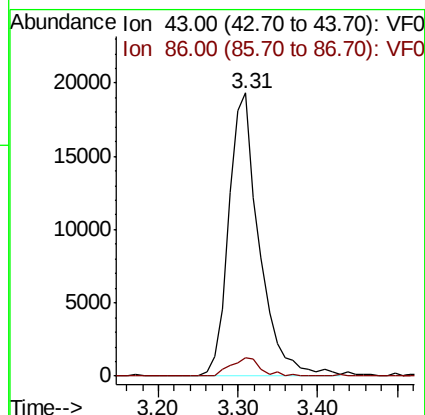
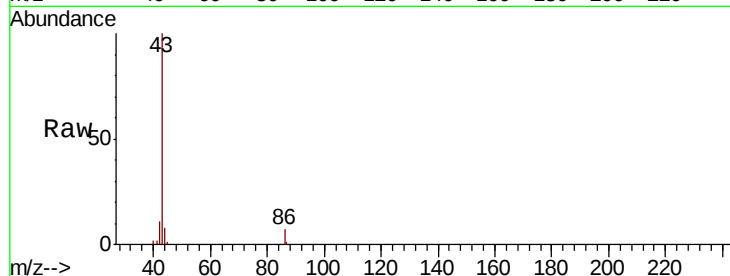
VF0827SBSD01

Tot Ion: 43 Resp: 51911

Ion Ratio Lower Upper

43 100

86 6.7 5.6 8.4



#24

1,1-Dichloroethane

Concen: 21.34 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

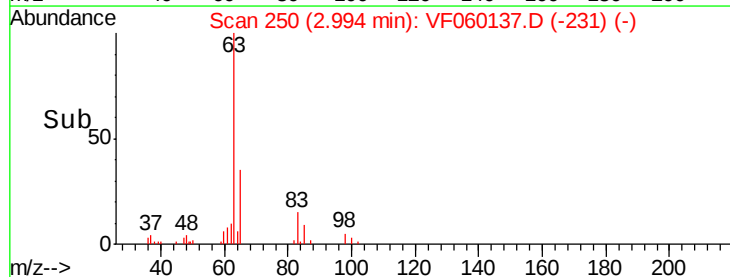
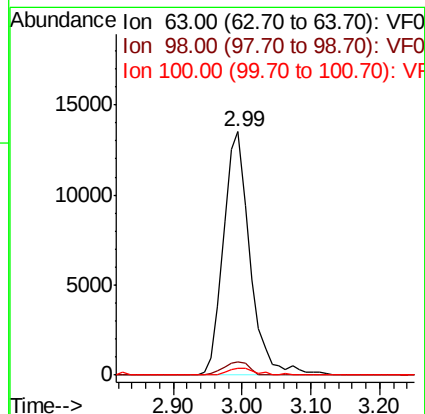
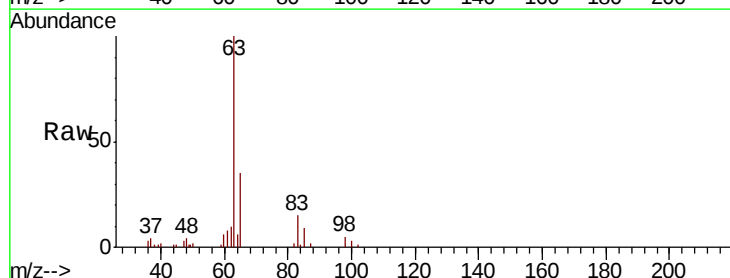
Tgt Ion: 63 Resp: 35995

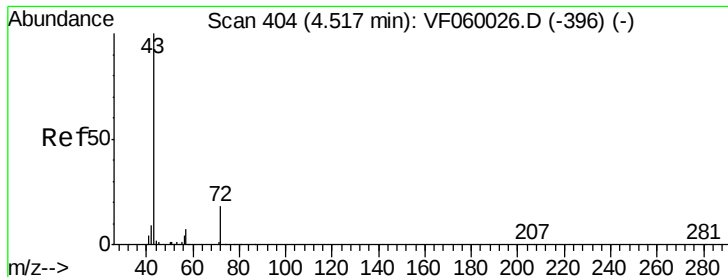
Ion Ratio Lower Upper

63 100

98 5.4 2.1 6.5

100 2.5 1.1 3.3





#25

2-Butanone

Concen: 30.26 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.01 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Instrument :

MSVOA_F

ClientSampleId :

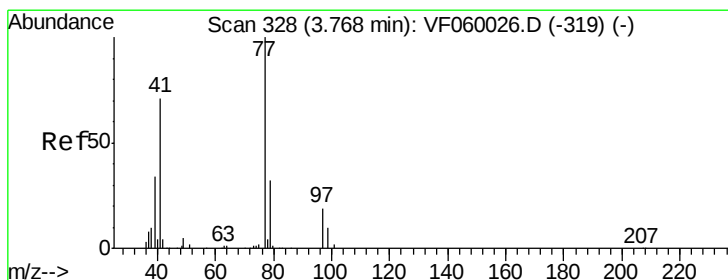
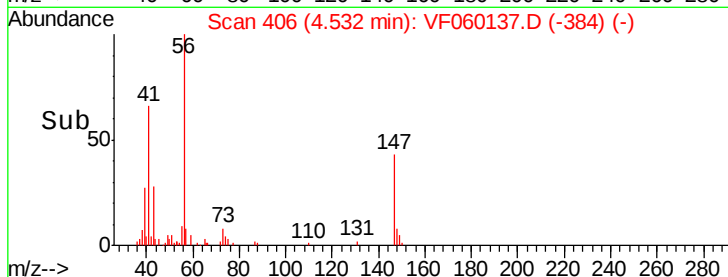
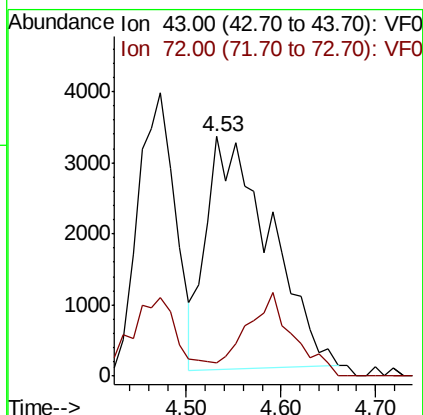
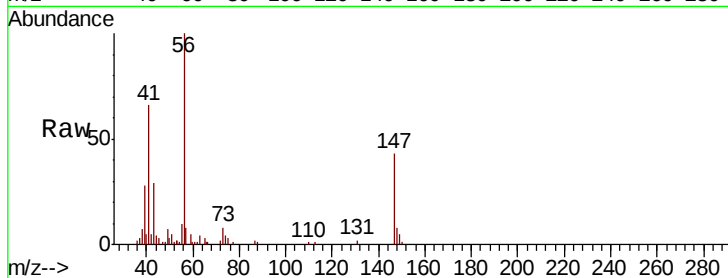
VF0827SBS01

Tot Ion: 43 Resp: 15270

Ion Ratio Lower Upper

43 100

72 5.6 15.0 22.6#



#26

2,2-Dichloropropane

Concen: 11.29 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF060137.D

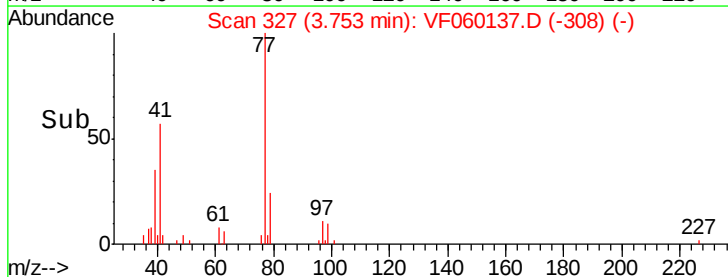
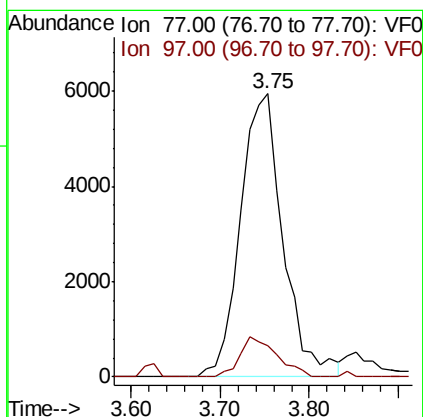
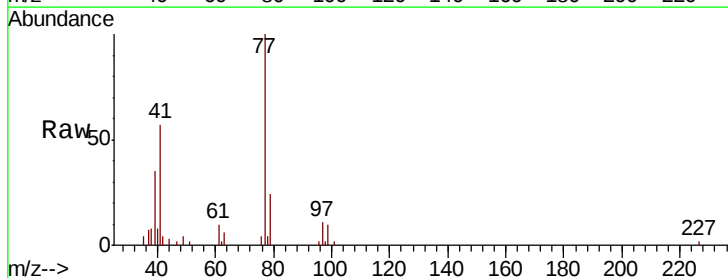
Acq: 27 Aug 2018 20:53

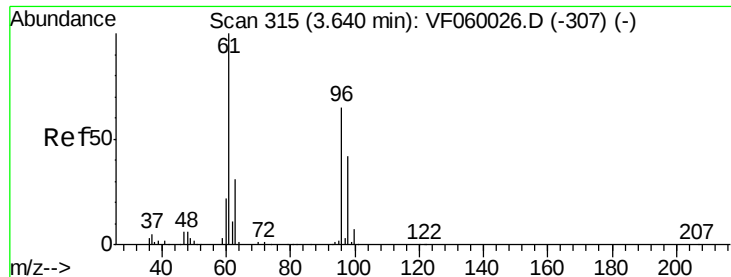
Tgt Ion: 77 Resp: 19702

Ion Ratio Lower Upper

77 100

97 10.9 9.7 29.1



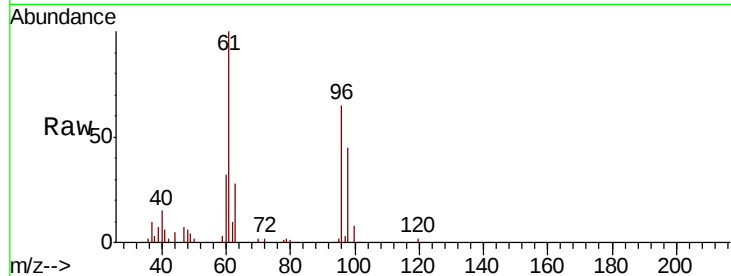


#27

cis-1,2-Dichloroethene
 Concen: 14.95 ug/l
 RT: 3.63 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VF060137.D
 Acq: 27 Aug 2018 20:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0827SBS01

Tot Ion	96	Resp	16276
Ion	Ratio	Lower	Upper
96	100		
61	152.9	0.0	307.6
98	69.4	0.0	128.4

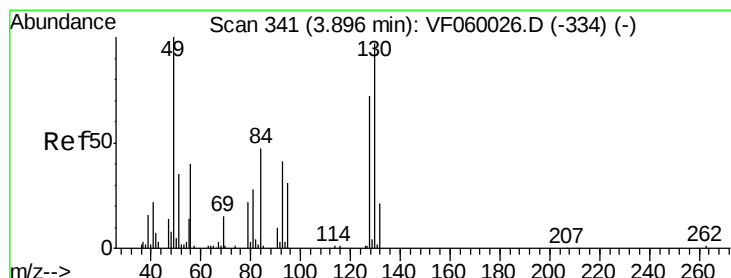
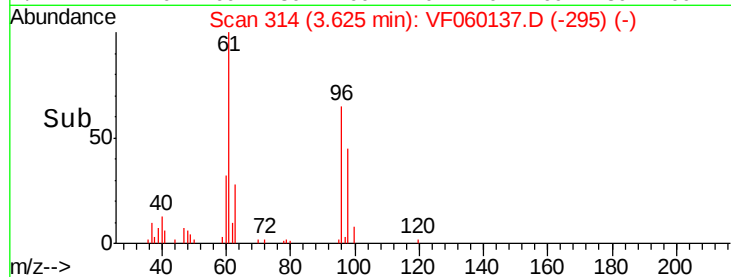
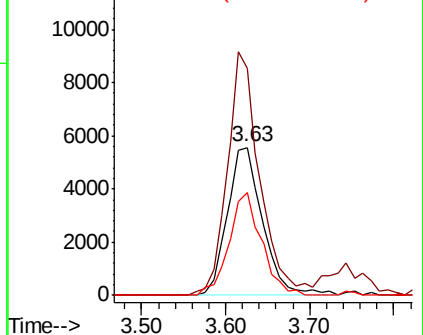


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

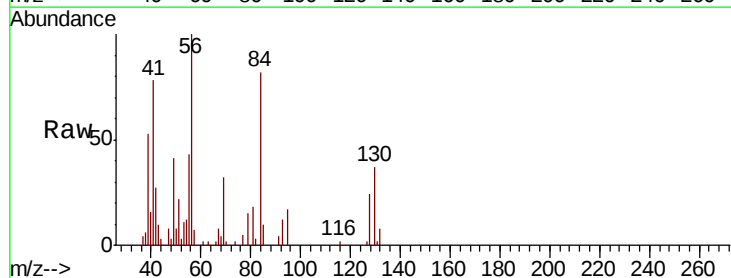
Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane
 Concen: 12.04 ug/l
 RT: 3.87 min Scan# 339
 Delta R.T. -0.02 min
 Lab File: VF060137.D
 Acq: 27 Aug 2018 20:53

Tgt Ion	49	Resp	8573
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	7.4
130	91.1	78.0	117.0

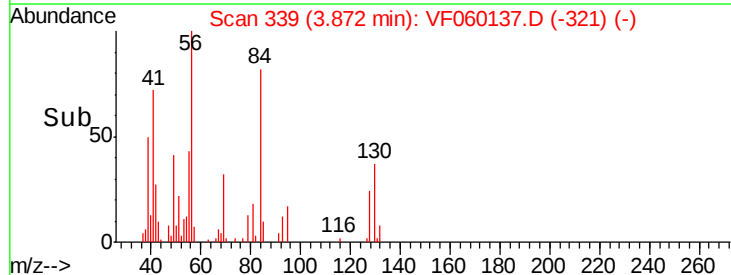
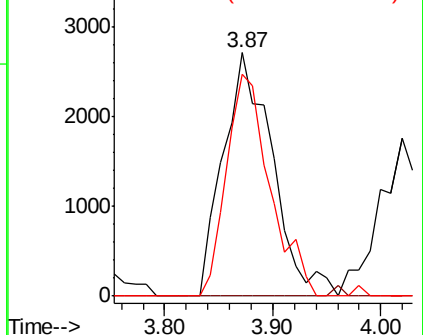


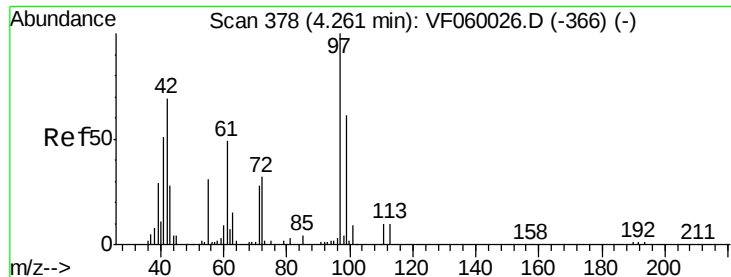
Abundance

Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 31.15 ug/l

RT: 4.22 min Scan# 374

Delta R.T. -0.04 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

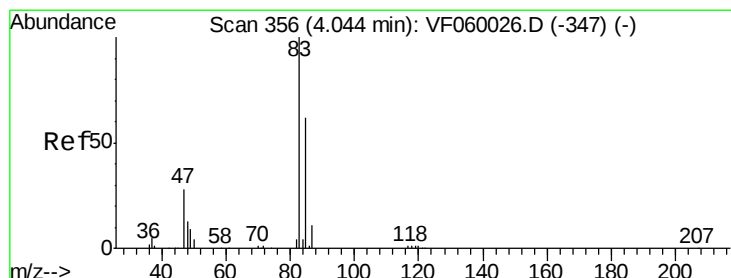
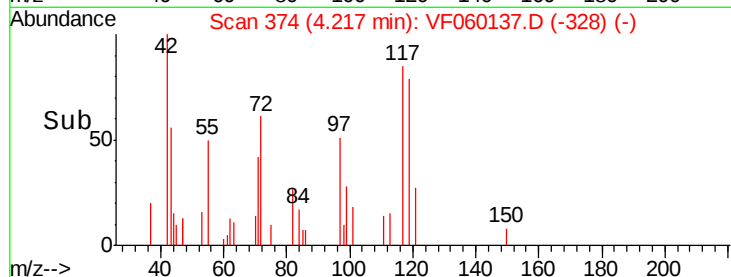
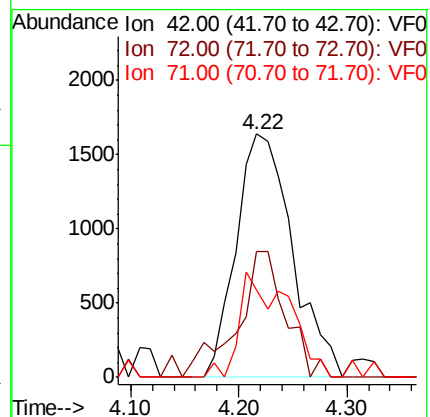
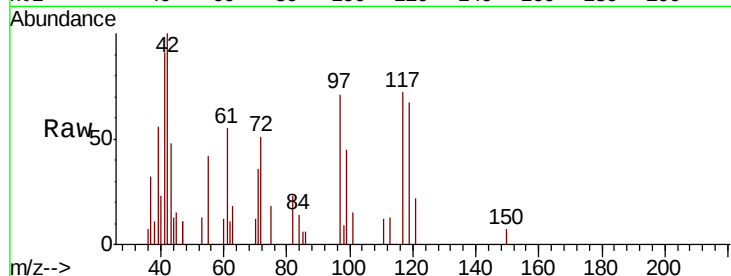
Tot Ion: 42 Resp: 5935

Ion Ratio Lower Upper

42 100

72 45.9 31.4 47.2

71 37.7 29.7 44.5



#30

Chloroform

Concen: 17.14 ug/l

RT: 4.02 min Scan# 354

Delta R.T. -0.02 min

Lab File: VF060137.D

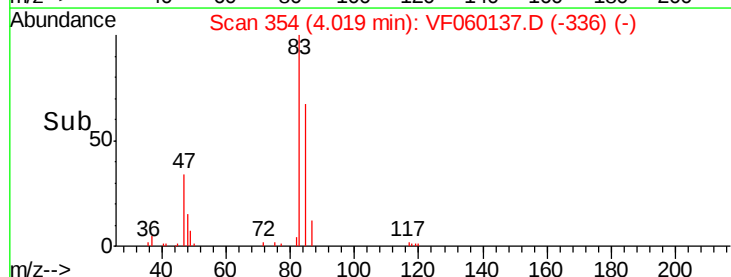
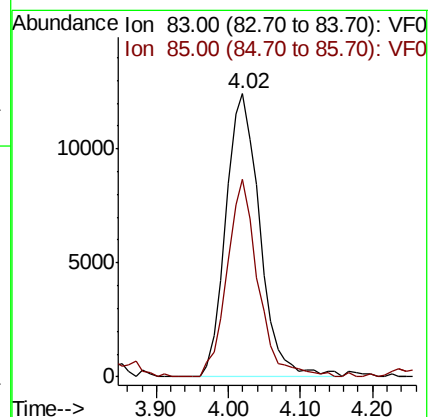
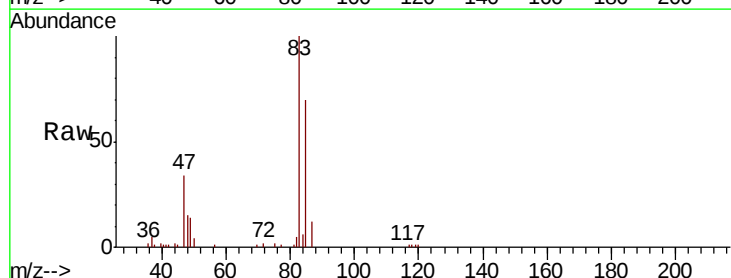
Acq: 27 Aug 2018 20:53

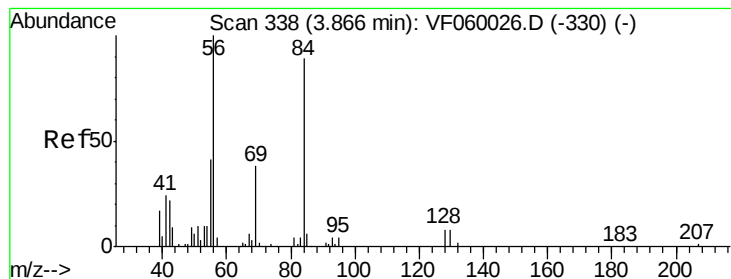
Tgt Ion: 83 Resp: 40582

Ion Ratio Lower Upper

83 100

85 70.0 49.5 74.3





#31

Cyclohexane

Concen: 22.95 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.01 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

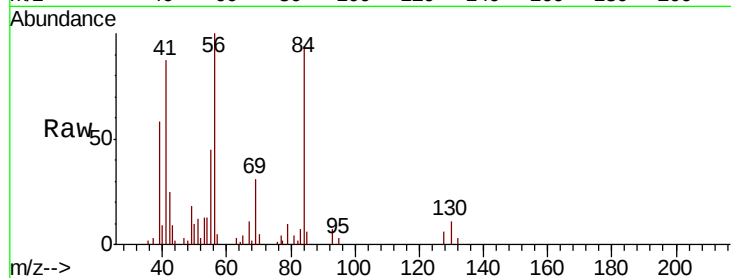
Tot Ion: 56 Resp: 29498

Ion Ratio Lower Upper

56 100

69 30.8 30.4 45.6

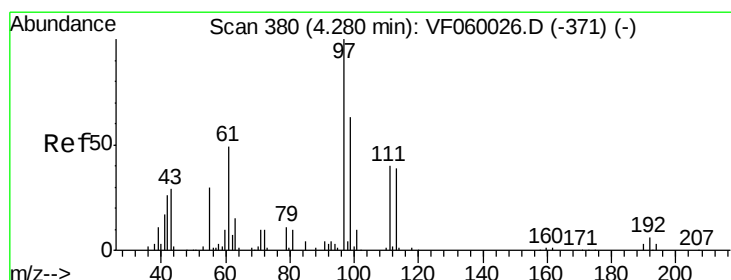
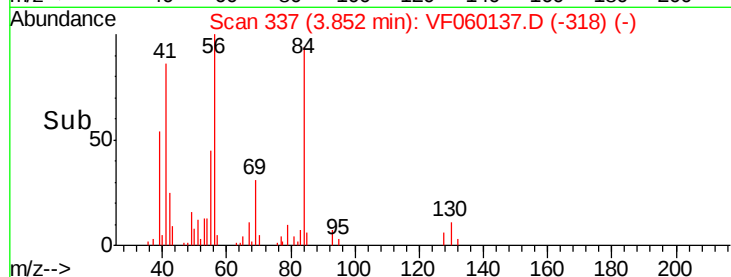
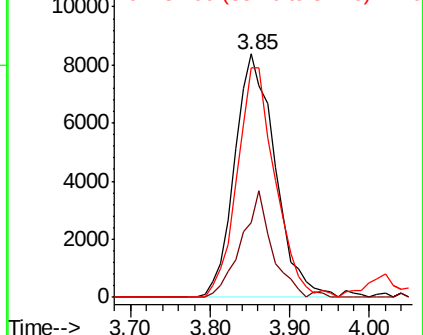
84 94.1 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 24.34 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

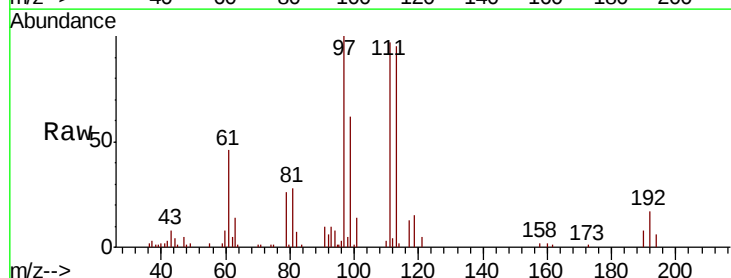
Tgt Ion: 97 Resp: 49365

Ion Ratio Lower Upper

97 100

99 61.7 50.3 75.5

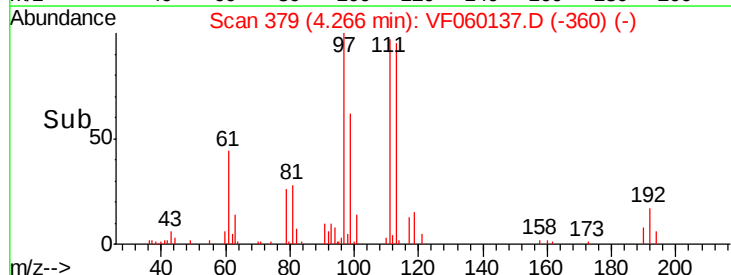
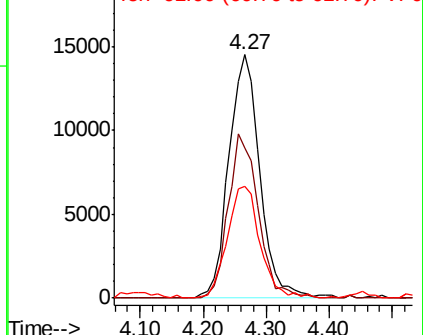
61 45.8 40.3 60.5

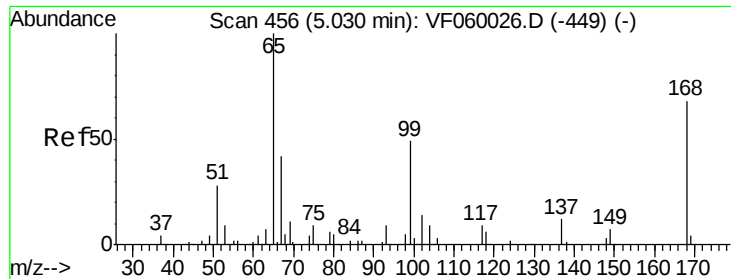


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

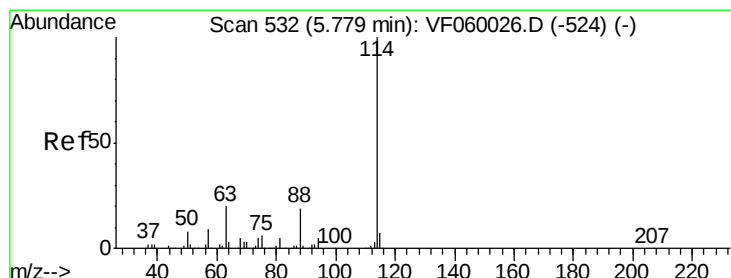
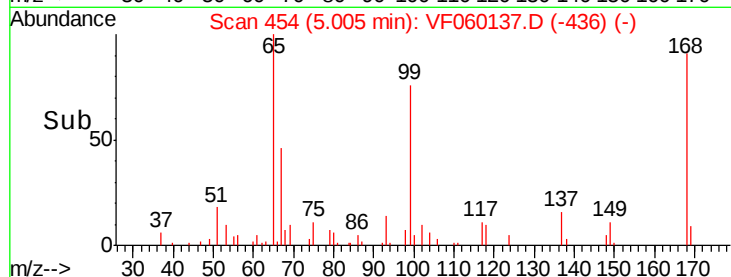
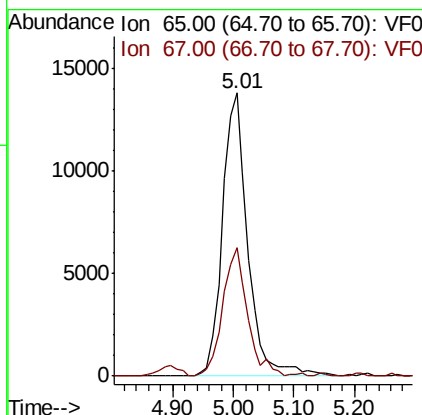
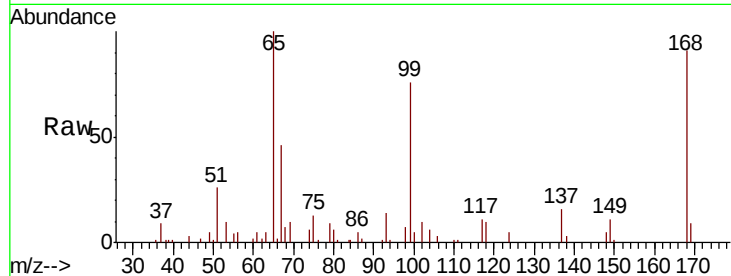




#33
 1,2-Dichloroethane-d4
 Concen: 27.16 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.02 min
 Lab File: VF060137.D
 Acq: 27 Aug 2018 20:53

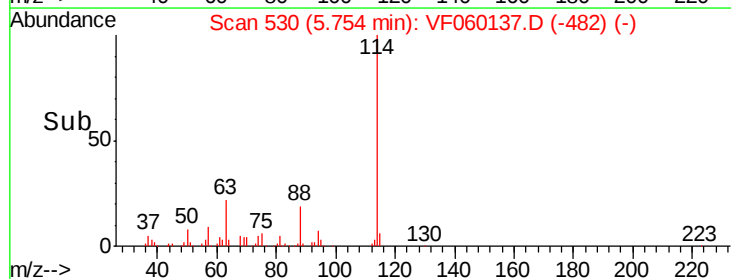
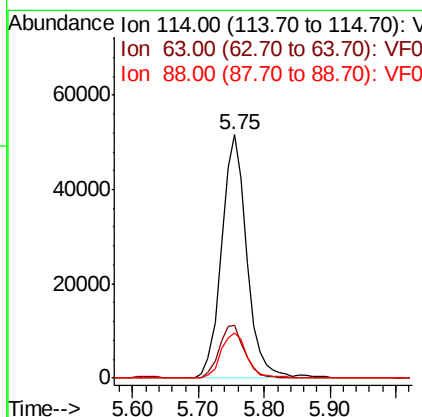
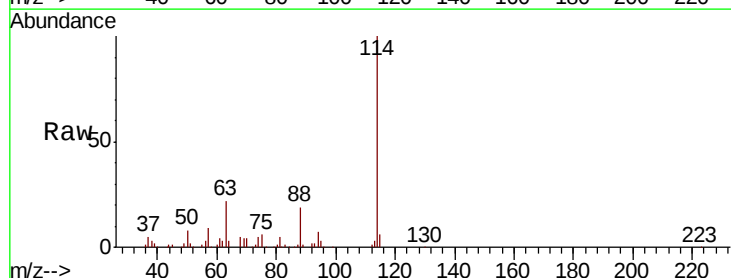
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0827SBS01

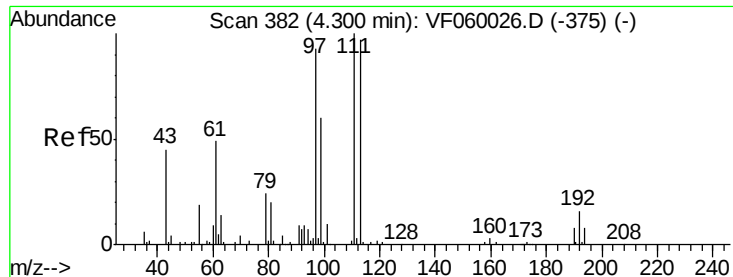
Tot Ion: 65 Resp: 40158
 Ion Ratio Lower Upper
 65 100
 67 45.6 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VF060137.D
 Acq: 27 Aug 2018 20:53

Tgt Ion: 114 Resp: 138686
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 40.4
 88 18.7 0.0 38.6

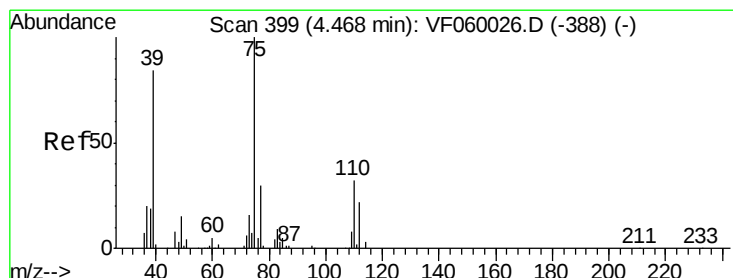
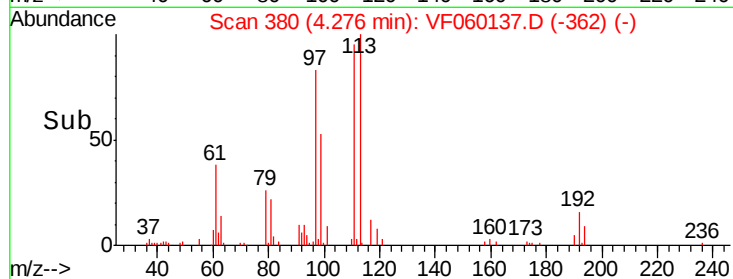
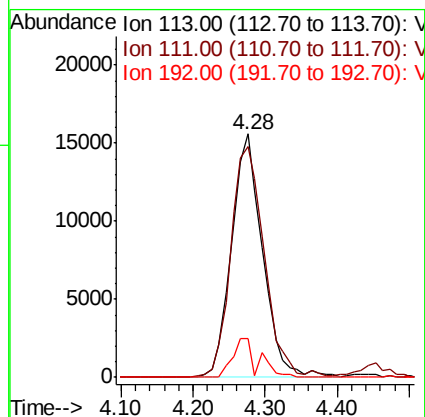
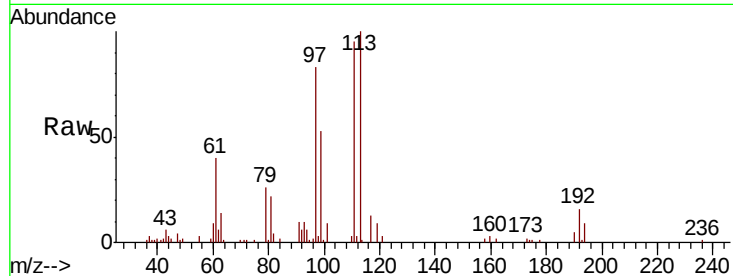




#35
 Dibromofluoromethane
 Concen: 42.95 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. -0.02 min
 Lab File: VF060137.D
 Acq: 27 Aug 2018 20:53

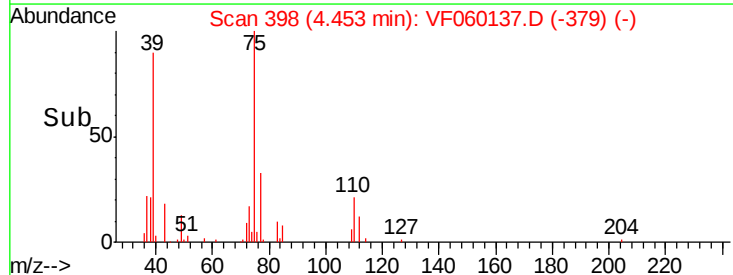
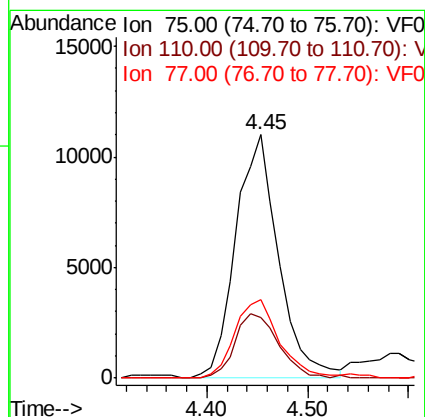
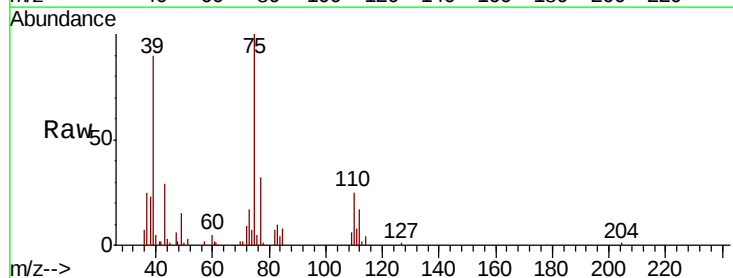
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0827SBS01

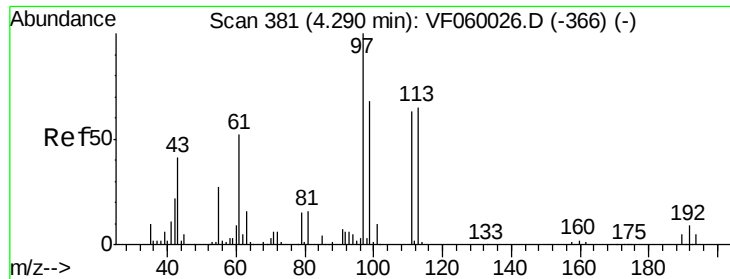
Tot Ion:113 Resp: 46770
 Ion Ratio Lower Upper
 113 100
 111 93.7 82.7 124.1
 192 15.9 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 24.97 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. -0.01 min
 Lab File: VF060137.D
 Acq: 27 Aug 2018 20:53

Tgt Ion: 75 Resp: 32540
 Ion Ratio Lower Upper
 75 100
 110 24.9 16.0 47.9
 77 32.2 24.1 36.1

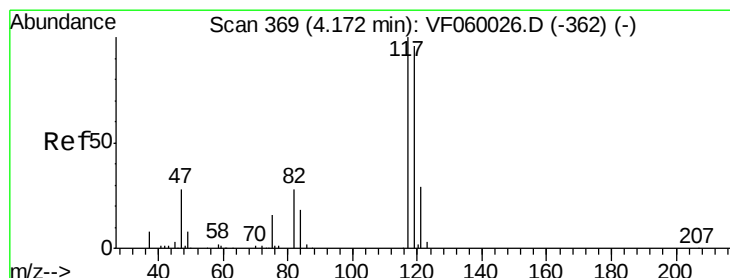
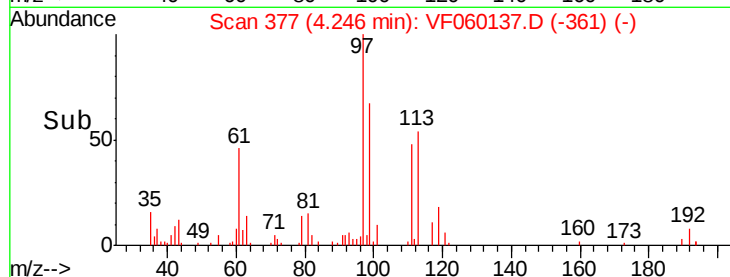
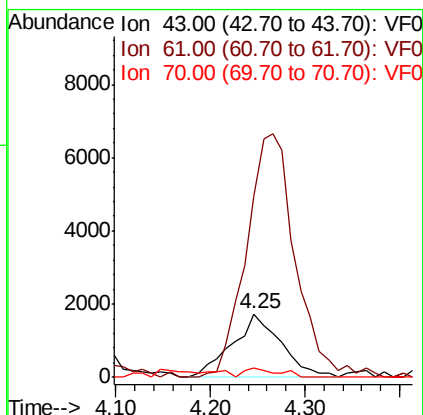
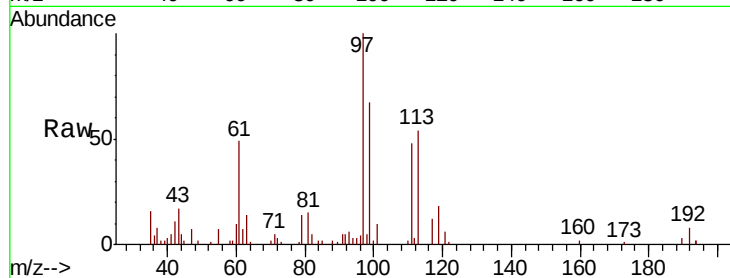




#37
Ethyl Acetate
Concen: 7.98 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.04 min
Lab File: VF060137.D
Acq: 27 Aug 2018 20:53

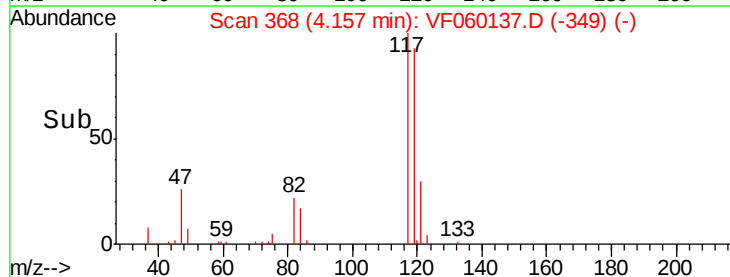
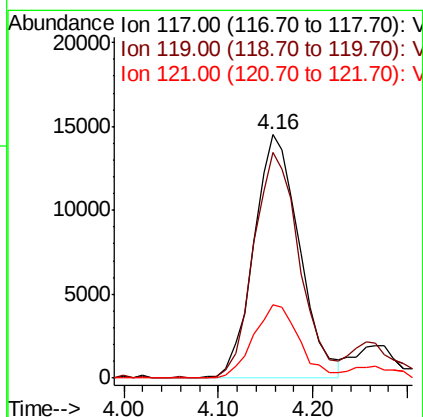
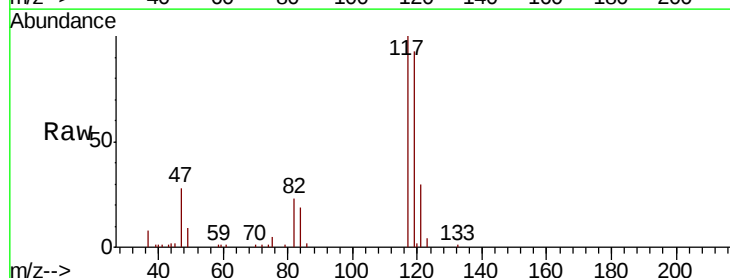
Instrument :
MSVOA_F
ClientSampleId :
VF0827SBS01

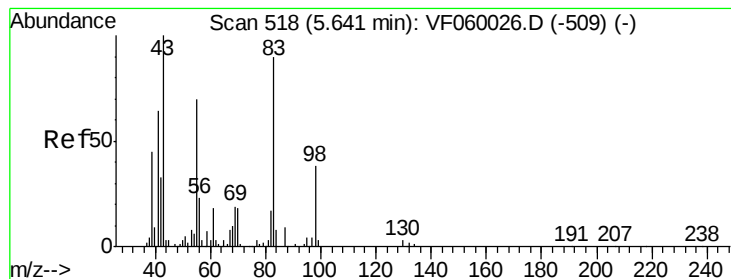
Tot Ion: 43 Resp: 6217
Ion Ratio Lower Upper
43 100
61 284.1 101.5 152.3#
70 13.9 6.4 9.6#



#38
Carbon Tetrachloride
Concen: 32.16 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF060137.D
Acq: 27 Aug 2018 20:53

Tgt Ion: 117 Resp: 48533
Ion Ratio Lower Upper
117 100
119 92.7 76.5 114.7
121 30.2 23.0 34.6





#39

Methvlcvclohexane

Concen: 28.57 ug/l

RT: 5.62 min Scan# 516

Delta R.T. -0.02 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

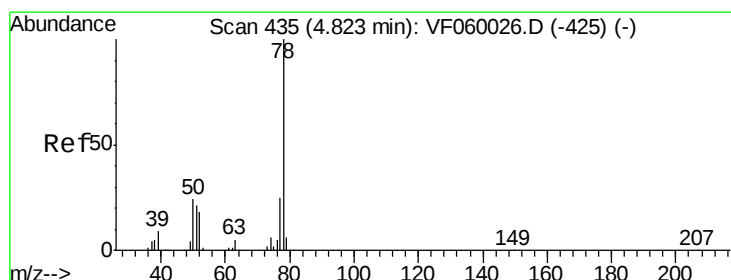
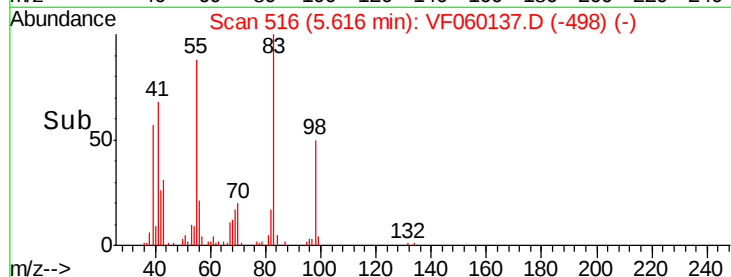
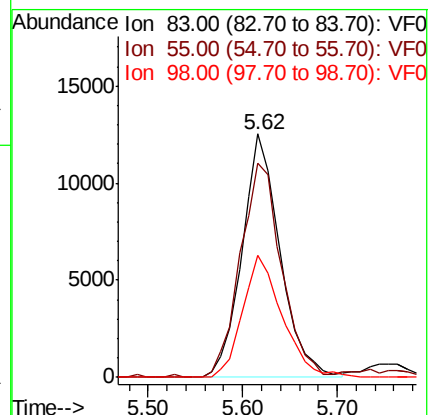
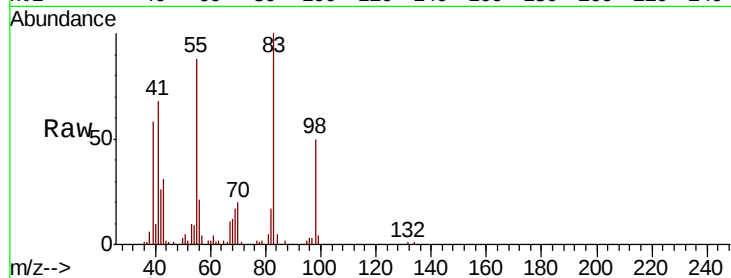
Tot Ion: 83 Resp: 34914

Ion Ratio Lower Upper

83 100

55 87.9 62.7 94.1

98 50.1 33.8 50.8



#40

Benzene

Concen: 18.85 ug/l

RT: 4.80 min Scan# 433

Delta R.T. -0.02 min

Lab File: VF060137.D

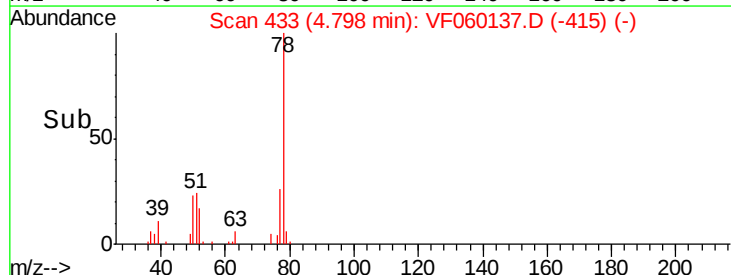
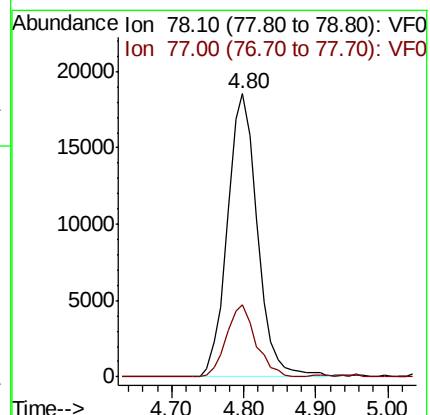
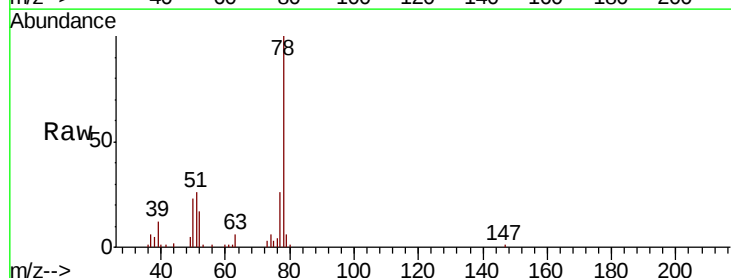
Acq: 27 Aug 2018 20:53

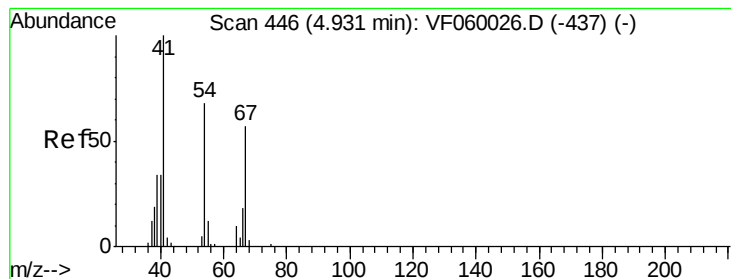
Tgt Ion: 78 Resp: 53657

Ion Ratio Lower Upper

78 100

77 25.7 19.8 29.6





#41

Methacrylonitrile

Concen: 7.49 ug/l

RT: 4.90 min Scan# 443

Delta R.T. -0.03 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

Tot Ion: 41 Resp: 2953

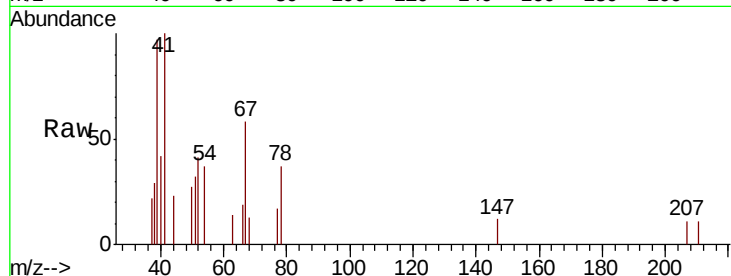
Ion Ratio Lower Upper

41 100

39 97.4 52.9 79.3#

67 58.2 45.3 67.9

52 41.4 34.8 52.2

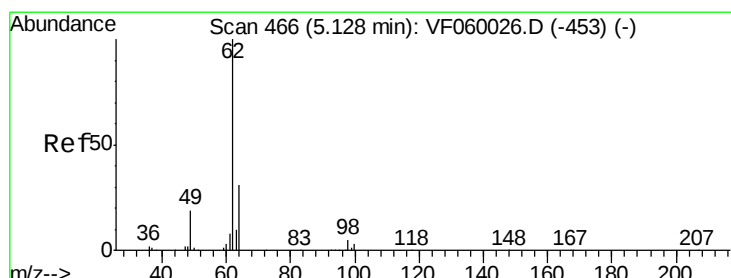
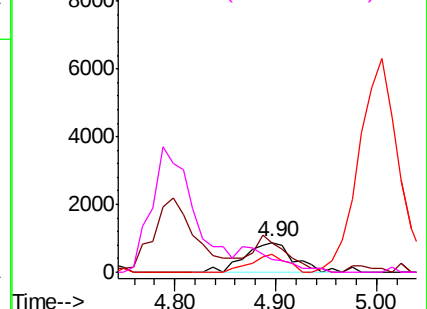
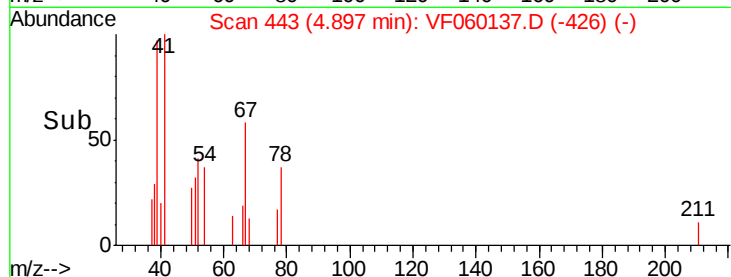


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 13.26 ug/l

RT: 5.09 min Scan# 463

Delta R.T. -0.03 min

Lab File: VF060137.D

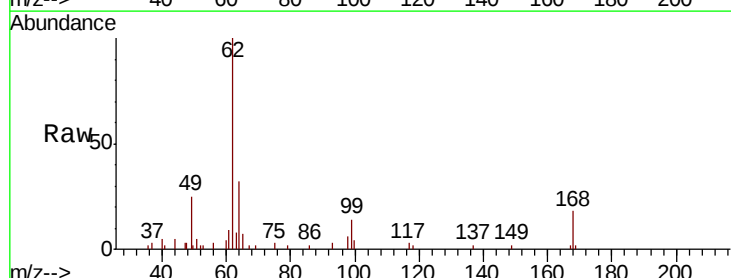
Acq: 27 Aug 2018 20:53

Tgt Ion: 62 Resp: 20236

Ion Ratio Lower Upper

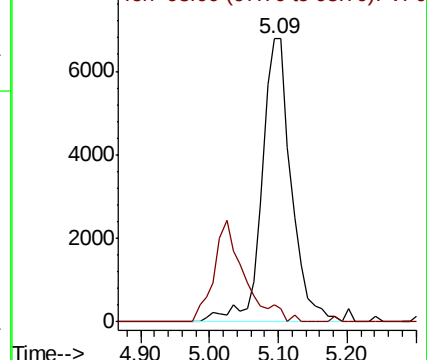
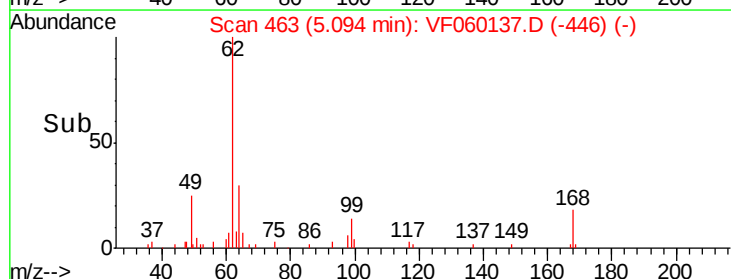
62 100

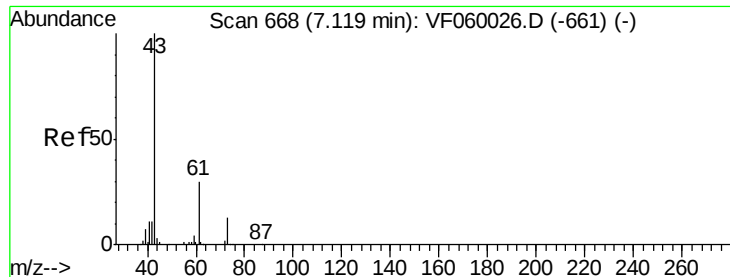
98 6.2 0.0 11.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 7.17 ug/l

RT: 7.09 min Scan# 666

Delta R.T. -0.02 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

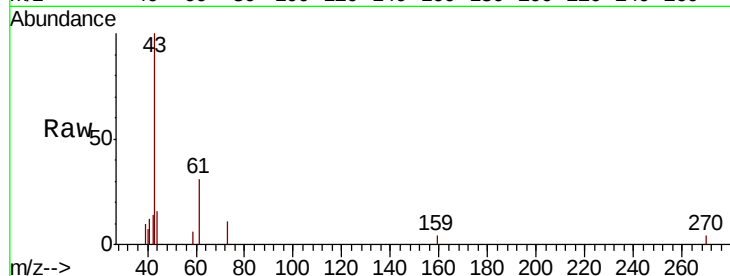
Tot Ion: 43 Resp: 7034

Ion Ratio Lower Upper

43 100

61 30.6 23.8 35.6

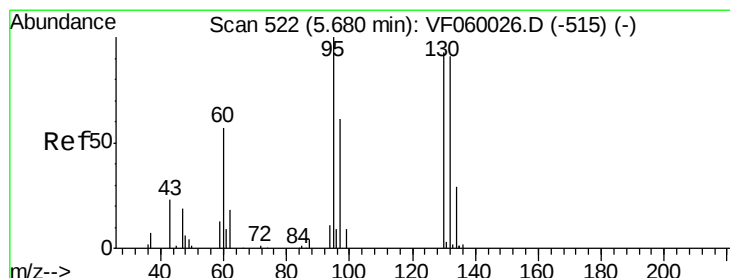
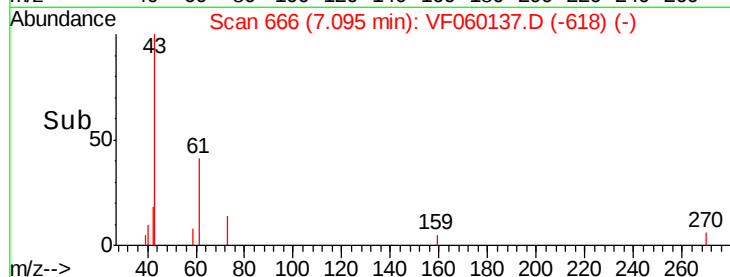
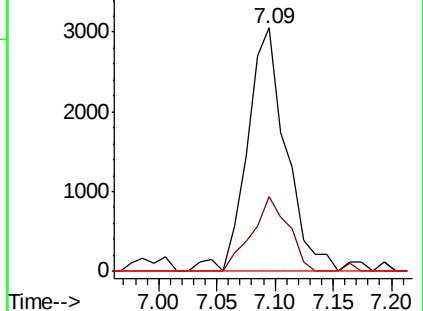
87 0.0 0.2 0.4#



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: 23.98 ug/l

RT: 5.67 min Scan# 521

Delta R.T. -0.01 min

Lab File: VF060137.D

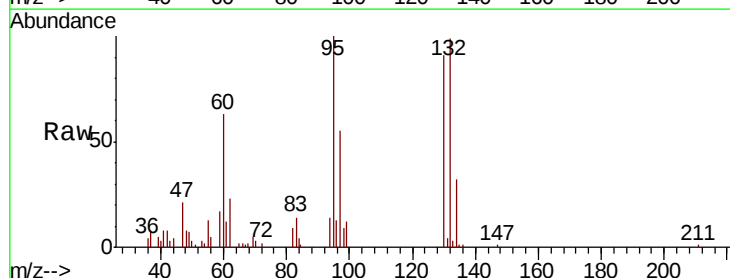
Acq: 27 Aug 2018 20:53

Tgt Ion: 130 Resp: 22574

Ion Ratio Lower Upper

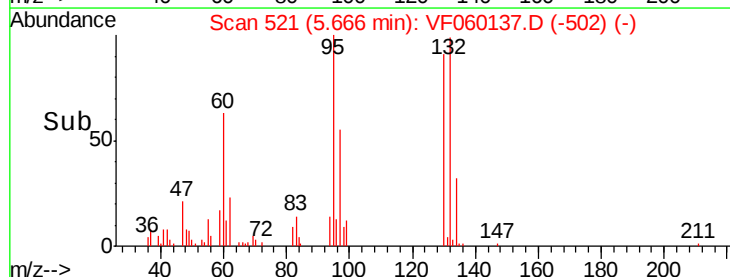
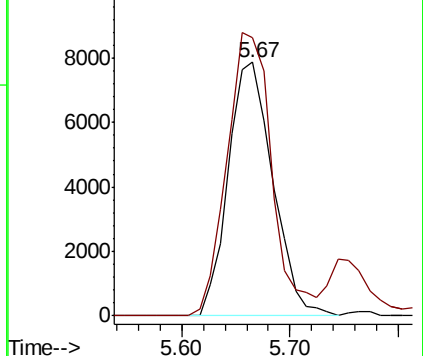
130 100

95 109.6 0.0 215.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

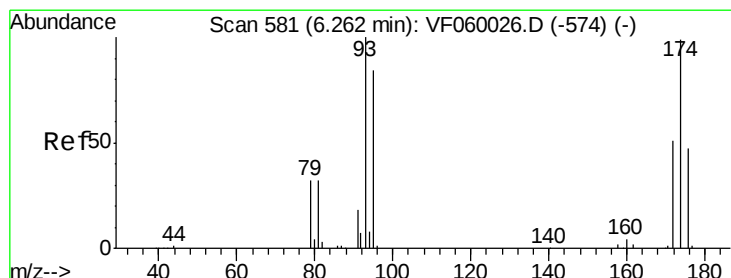
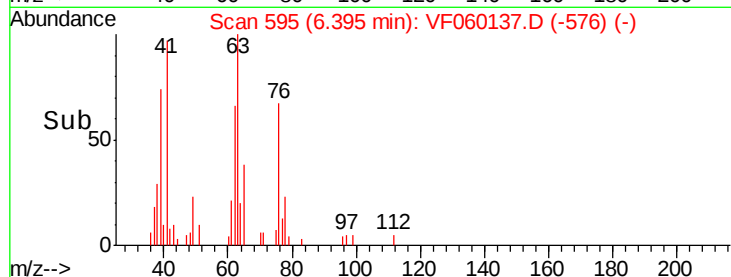
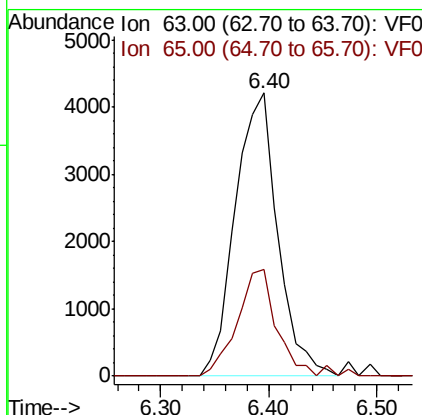
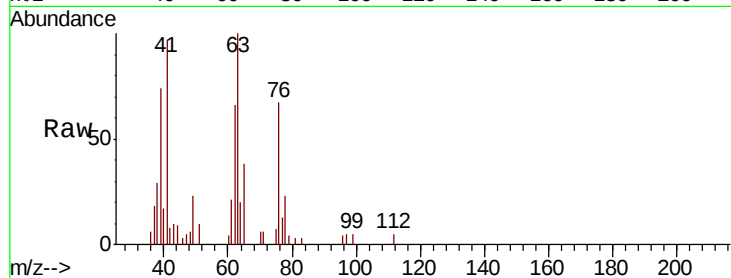




#45
 1,2-Dichloropropane
 Concen: 14.28 ug/l
 RT: 6.40 min Scan# 595
 Delta R.T. -0.01 min
 Lab File: VF060137.D
 Acq: 27 Aug 2018 20:53

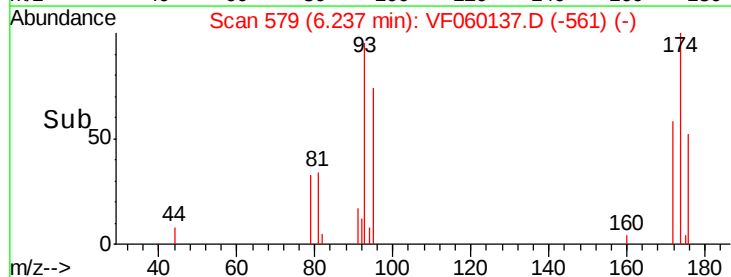
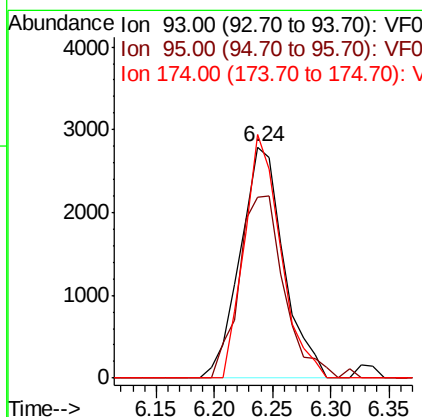
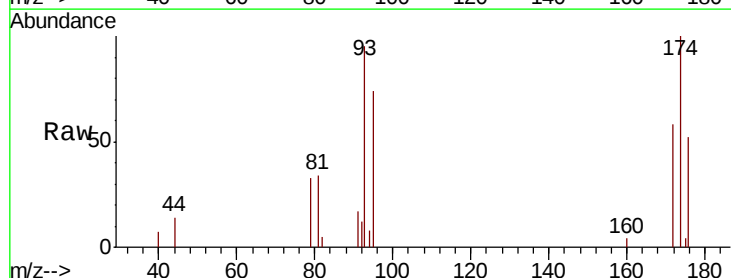
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0827SBS01

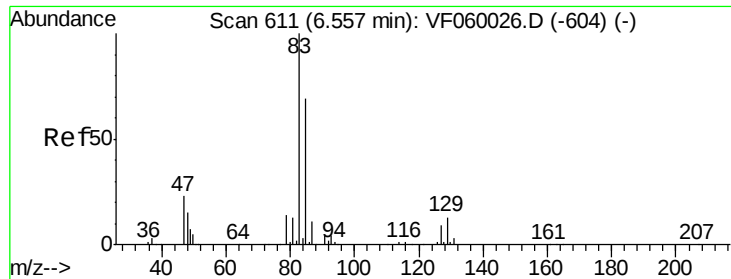
Tot Ion: 63 Resp: 11498
 Ion Ratio Lower Upper
 63 100
 65 37.6 23.8 35.6#



#46
 Dibromomethane
 Concen: 11.45 ug/l
 RT: 6.24 min Scan# 579
 Delta R.T. -0.02 min
 Lab File: VF060137.D
 Acq: 27 Aug 2018 20:53

Tgt Ion: 93 Resp: 7213
 Ion Ratio Lower Upper
 93 100
 95 78.4 67.1 100.7
 174 105.4 79.0 118.4





#47

Bromodichloromethane

Concen: 15.85 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.02 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

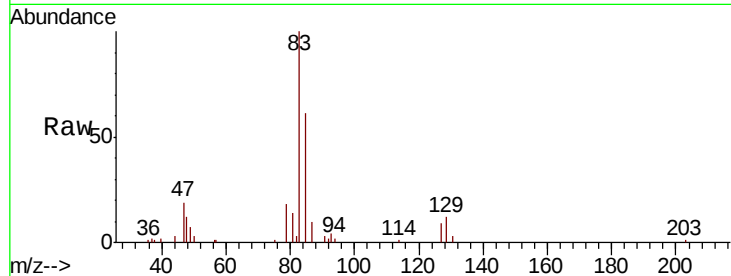
Tot Ion: 83 Resp: 24131

Ion Ratio Lower Upper

83 100

85 60.6 55.2 82.8

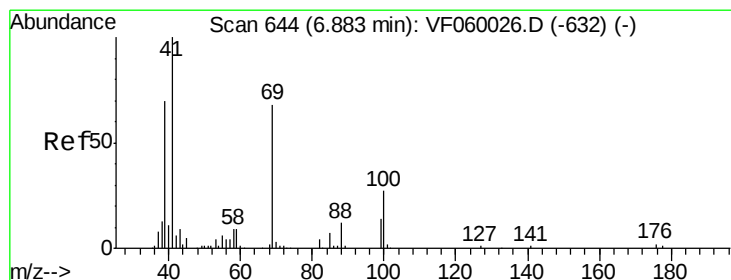
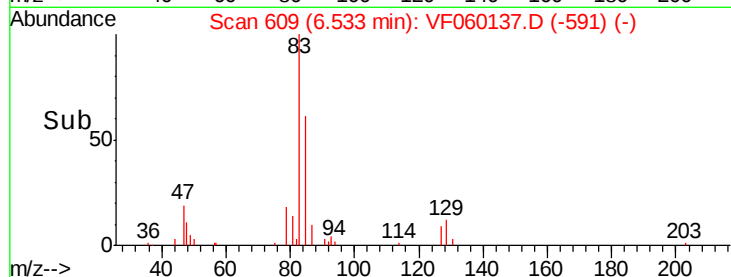
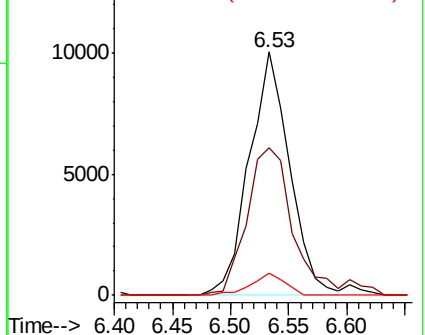
127 9.2 7.3 10.9



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: 8.39 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.03 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

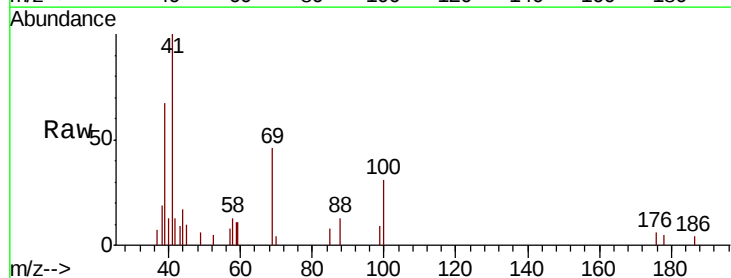
Tgt Ion: 41 Resp: 5444

Ion Ratio Lower Upper

41 100

69 46.3 54.6 81.8#

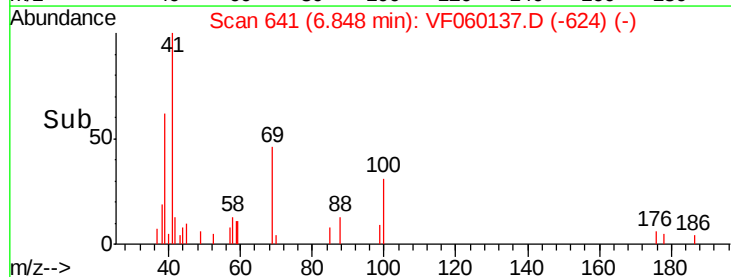
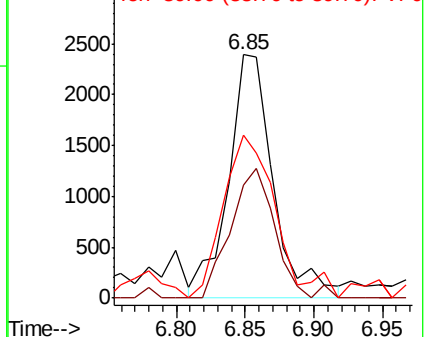
39 66.7 56.5 84.7

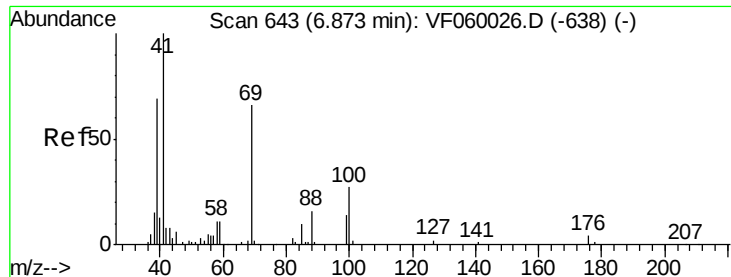


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 141.53 ug/l

RT: 6.84 min Scan# 640

Delta R.T. -0.03 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

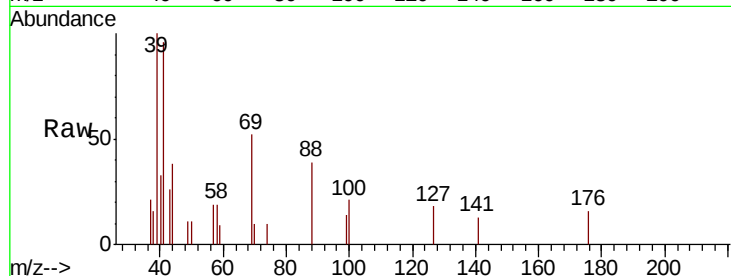
Tot Ion: 88 Resp: 882

Ion Ratio Lower Upper

88 100

43 66.3 46.5 69.7

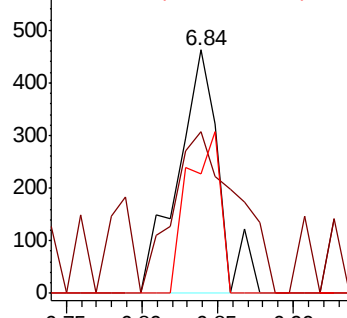
58 48.8 54.8 82.2#



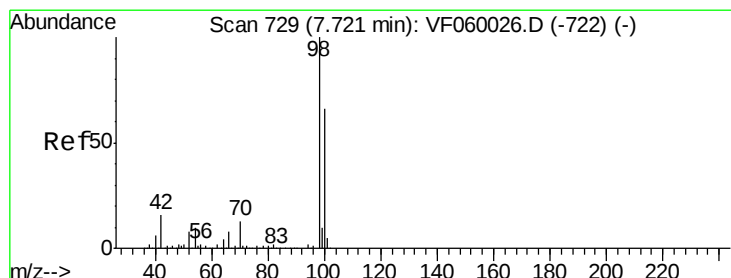
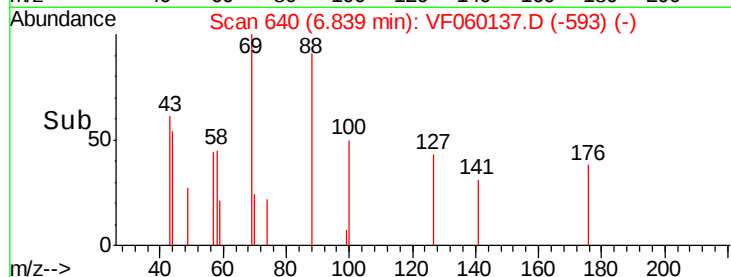
Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#50

Toluene-d8

Concen: 47.15 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.02 min

Lab File: VF060137.D

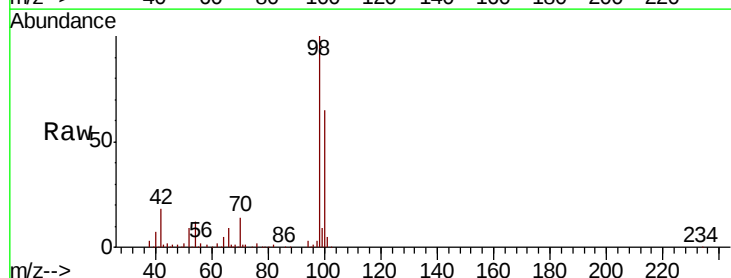
Acq: 27 Aug 2018 20:53

Tgt Ion: 98 Resp: 145817

Ion Ratio Lower Upper

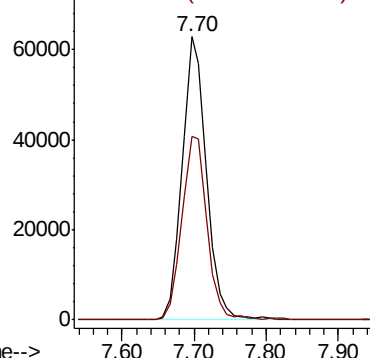
98 100

100 65.0 53.2 79.8

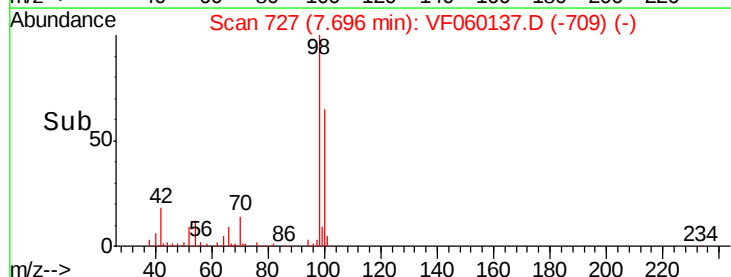


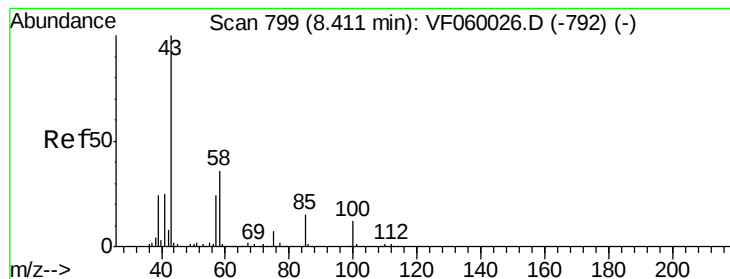
Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 43.80 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.02 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Instrument :

MSVOA_F

ClientSampleId :

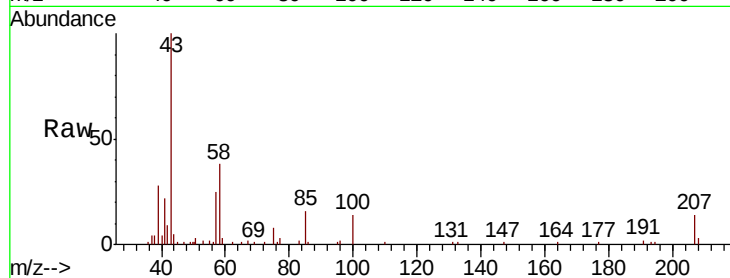
VF0827SBS01

Tot Ion: 43 Resp: 37109

Ion Ratio Lower Upper

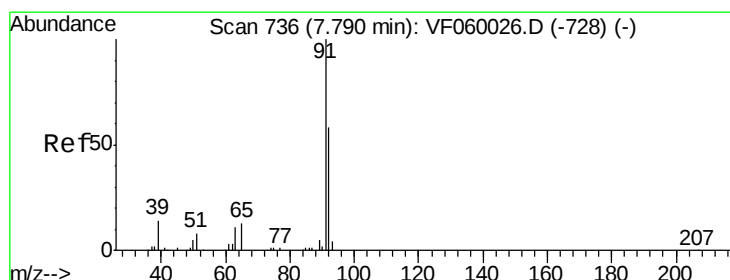
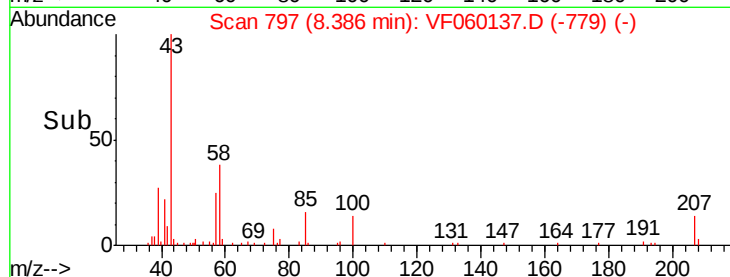
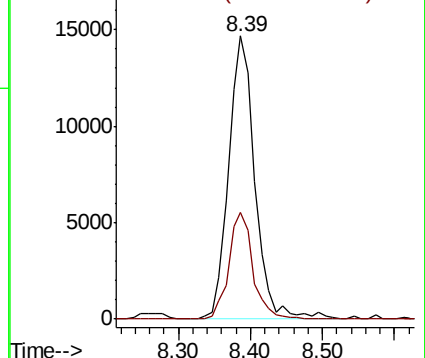
43 100

58 37.9 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.05 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF060137.D

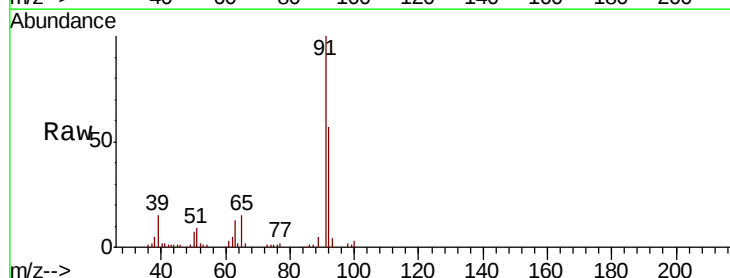
Acq: 27 Aug 2018 20:53

Tgt Ion: 92 Resp: 43760

Ion Ratio Lower Upper

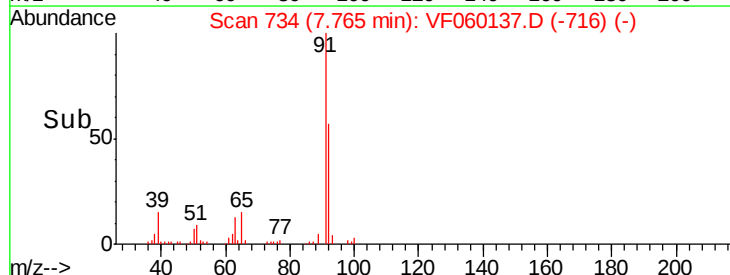
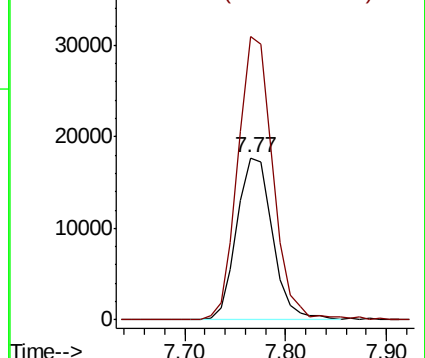
92 100

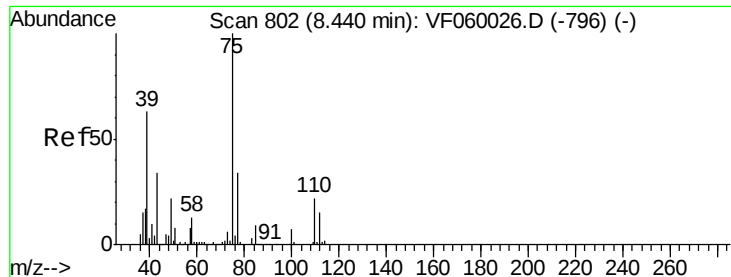
91 175.0 137.7 206.5



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: 11.71 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.02 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Instrument :

MSVOA_F

ClientSampleId :

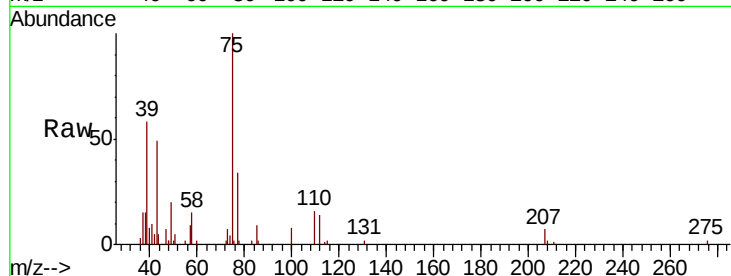
VF0827SBS01

Tot Ion: 75 Resp: 16167

Ion Ratio Lower Upper

75 100

77 33.7 27.4 41.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8000

6000

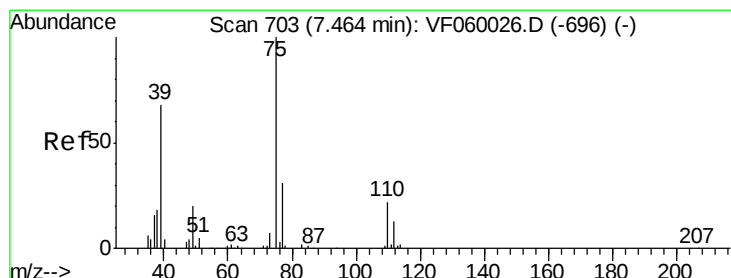
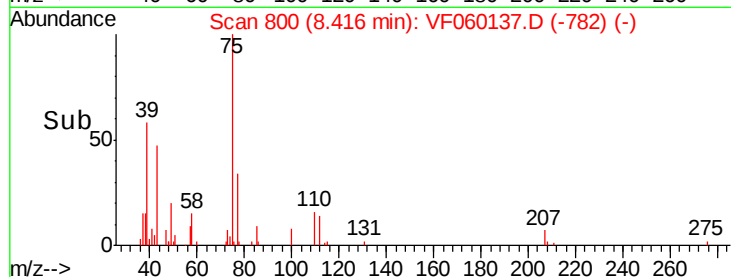
4000

2000

0

8.30 8.40 8.50 8.60

Time-->



#54

cis-1,3-Dichloropropene

Concen: 11.53 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

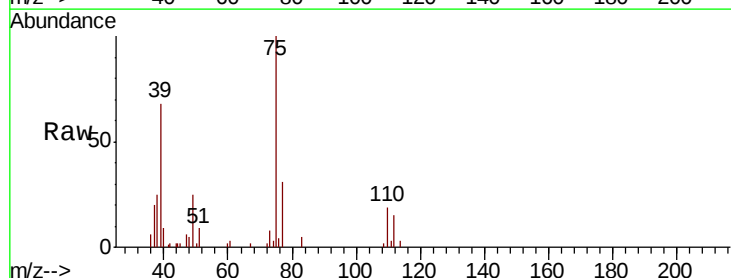
Tgt Ion: 75 Resp: 17768

Ion Ratio Lower Upper

75 100

77 31.4 24.6 37.0

39 67.6 54.6 81.8



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

10000

8000

6000

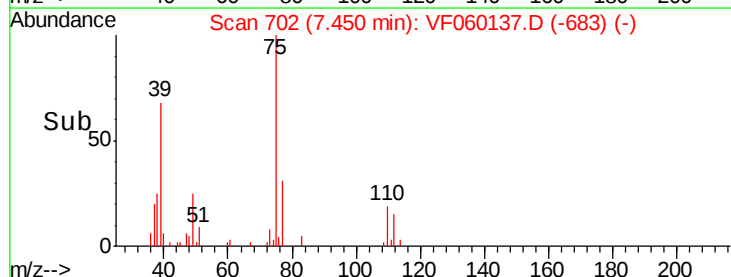
4000

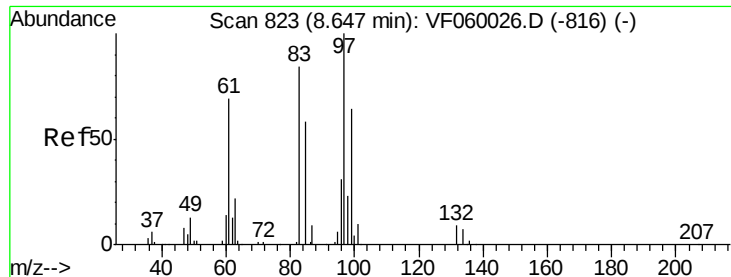
2000

0

7.30 7.40 7.50 7.60

Time-->





#55

1,1,2-Trichloroethane

Concen: 11.02 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.02 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

Tot Ion: 97 Resp: 8466

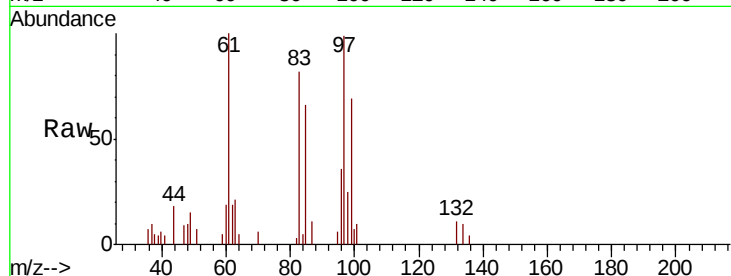
Ion Ratio Lower Upper

97 100

83 83.0 67.4 101.2

85 66.9 46.2 69.2

99 69.4 51.1 76.7

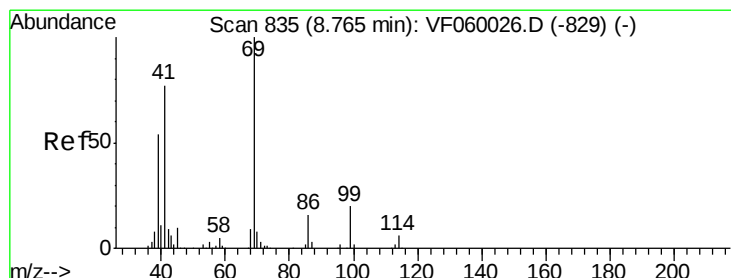
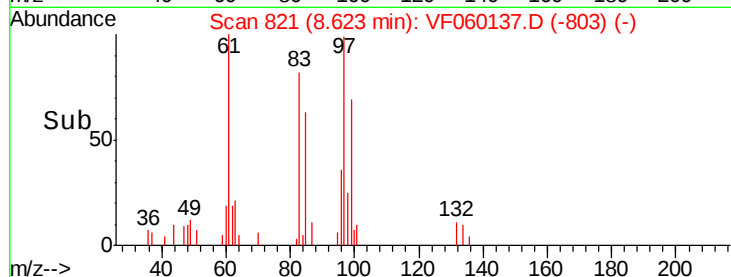
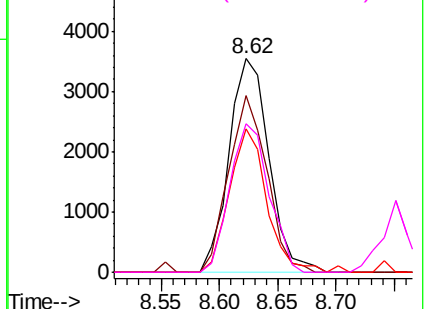


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 7.87 ug/l

RT: 8.74 min Scan# 833

Delta R.T. -0.02 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

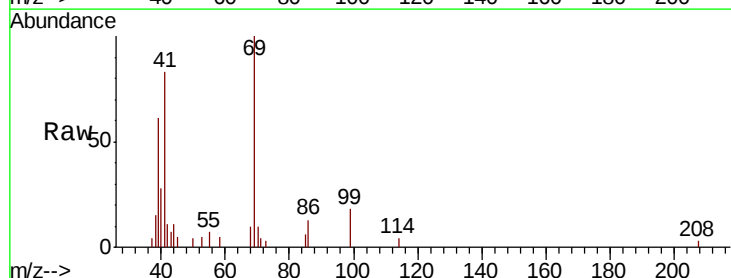
Tgt Ion: 69 Resp: 7316

Ion Ratio Lower Upper

69 100

41 82.6 61.6 92.4

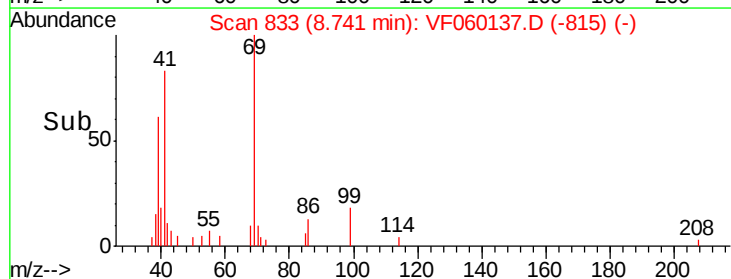
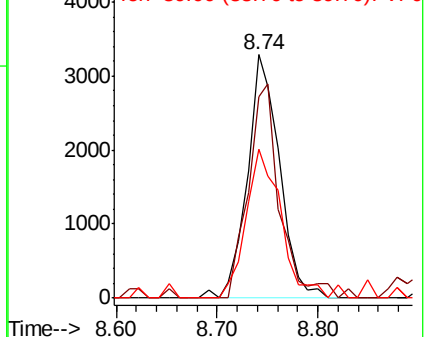
39 61.3 43.9 65.9

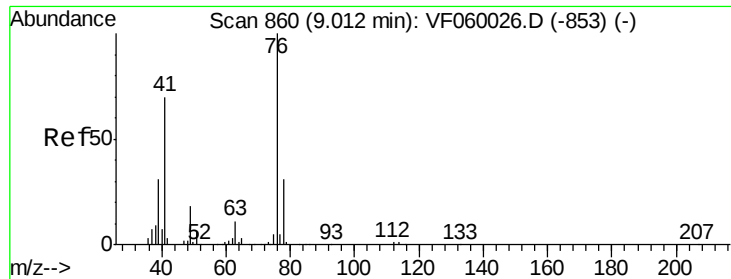


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 10.71 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.02 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Instrument :

MSVOA_F

ClientSampleId :

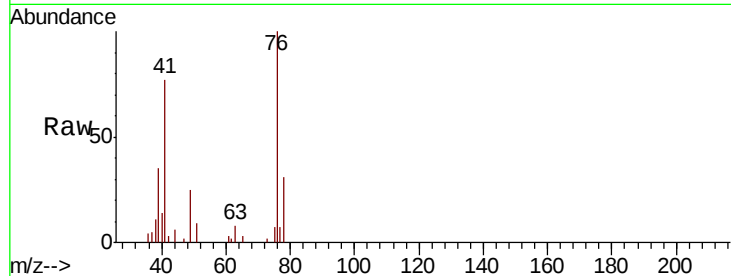
VF0827SBS01

Tot Ion: 76 Resp: 14456

Ion Ratio Lower Upper

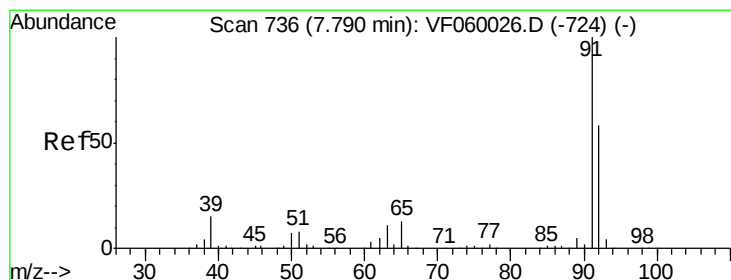
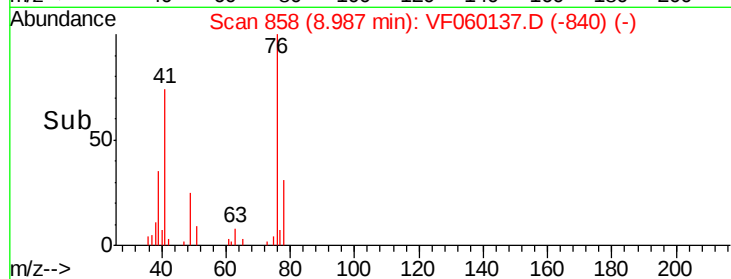
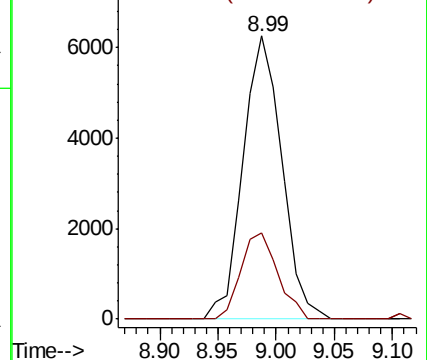
76 100

78 30.6 25.2 37.8



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 114.38 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF060137.D

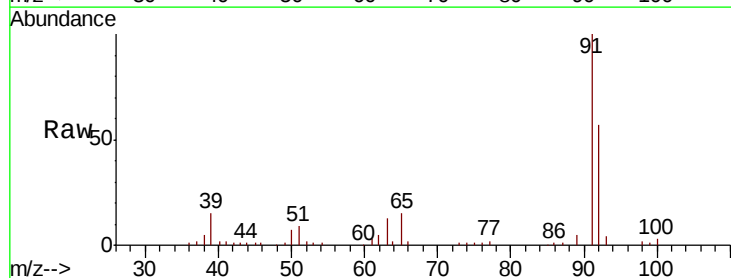
Acq: 27 Aug 2018 20:53

Tgt Ion: 63 Resp: 8442

Ion Ratio Lower Upper

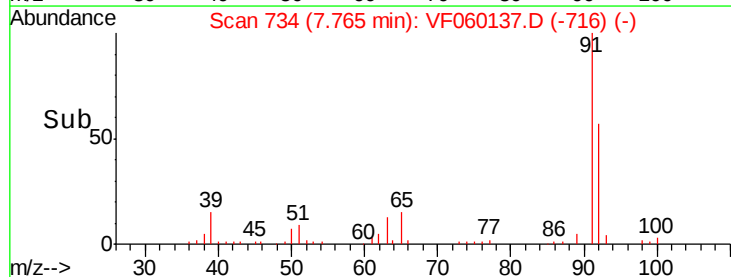
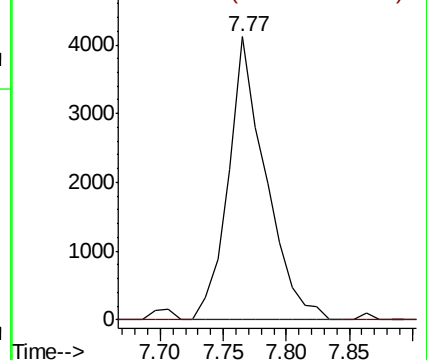
63 100

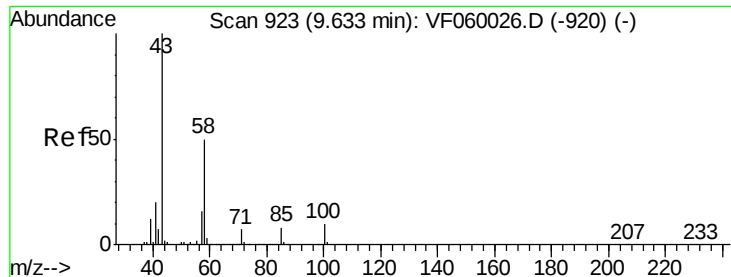
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

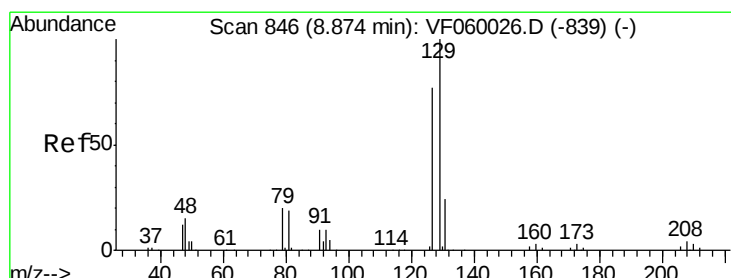
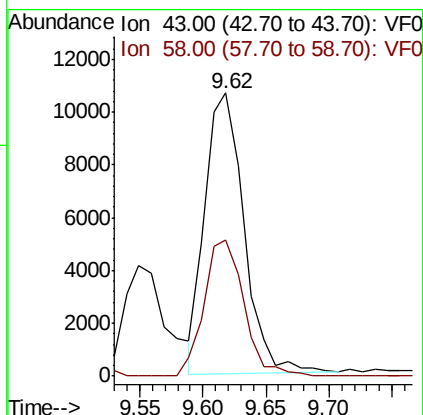
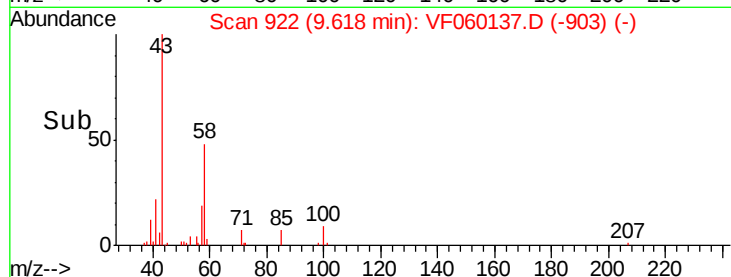
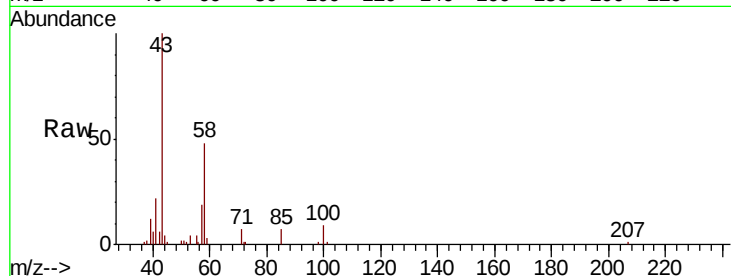




#59
2-Hexanone
Concen: 33.31 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF060137.D
Acq: 27 Aug 2018 20:53

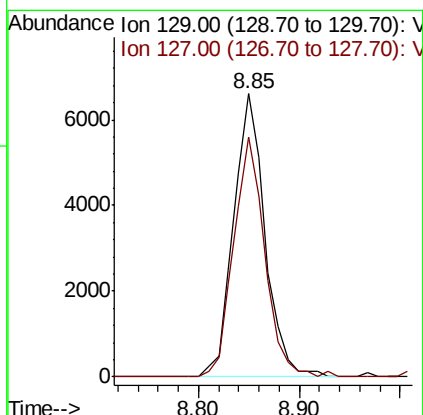
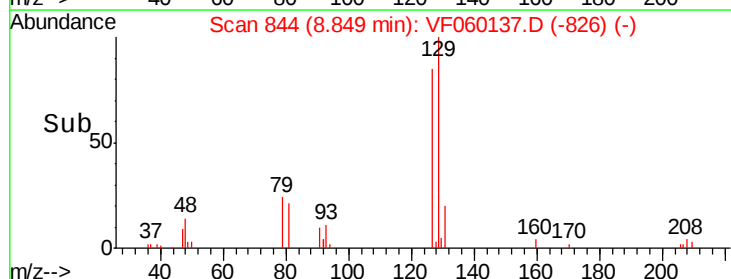
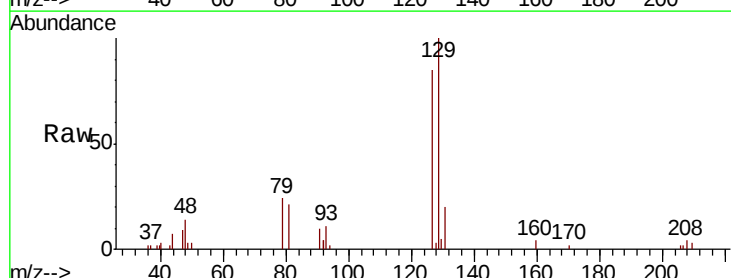
Instrument :
MSVOA_F
ClientSampleId :
VF0827SBS01

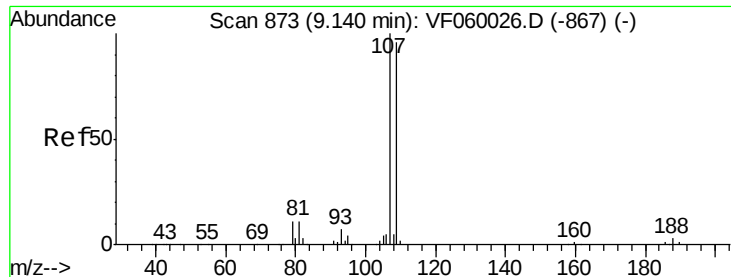
Tot Ion: 43 Resp: 22842
Ion Ratio Lower Upper
43 100
58 48.2 23.4 70.2



#60
Dibromochloromethane
Concen: 12.59 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.02 min
Lab File: VF060137.D
Acq: 27 Aug 2018 20:53

Tgt Ion: 129 Resp: 14276
Ion Ratio Lower Upper
129 100
127 80.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 9.03 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Instrument :

MSVOA_F

ClientSampleId :

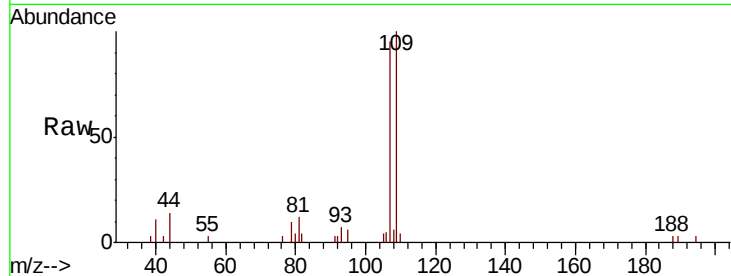
VF0827SBS01

Tot Ion:107 Resp: 8147

Ion Ratio Lower Upper

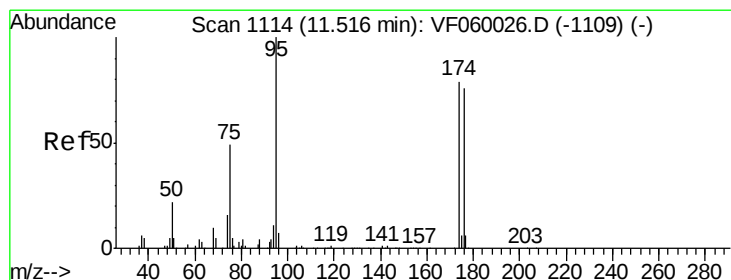
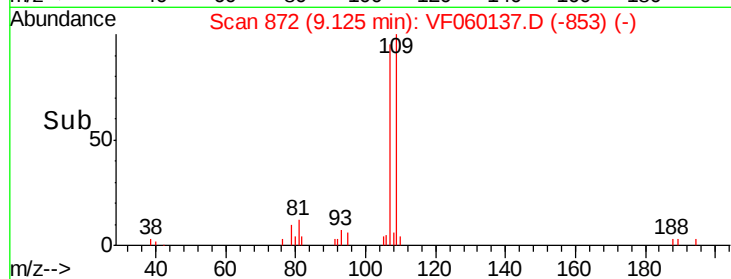
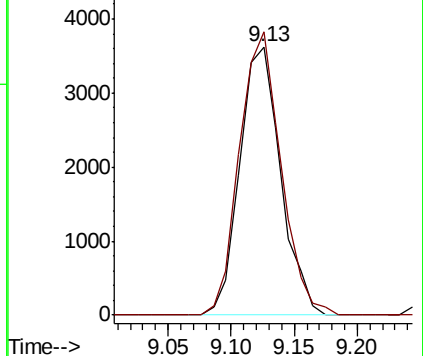
107 100

109 105.6 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 38.39 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

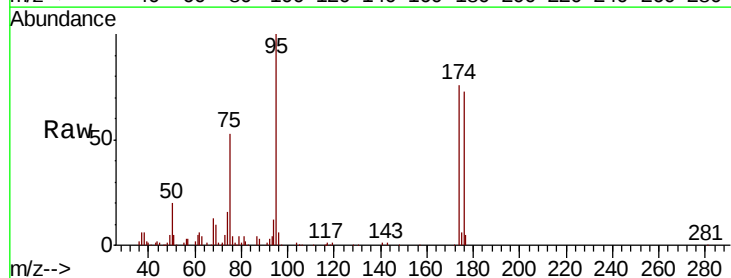
Tgt Ion: 95 Resp: 62805

Ion Ratio Lower Upper

95 100

174 76.2 0.0 158.4

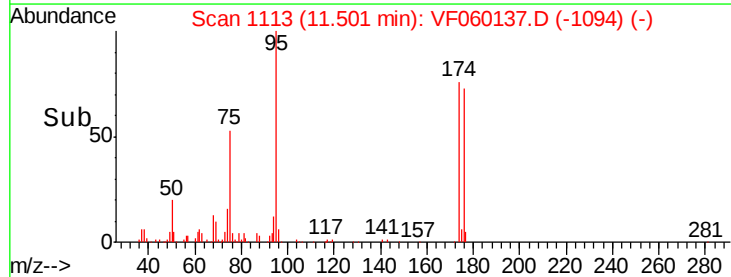
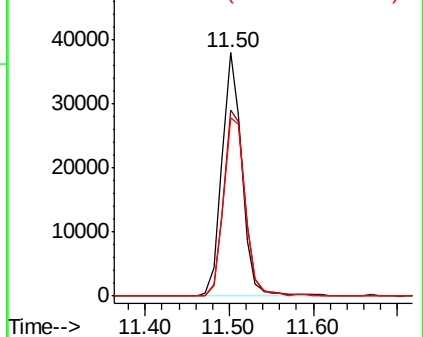
176 73.1 0.0 153.0

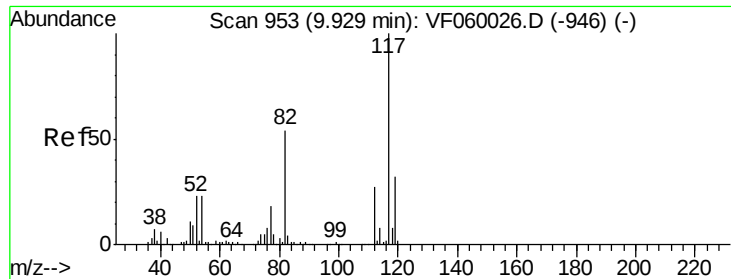


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

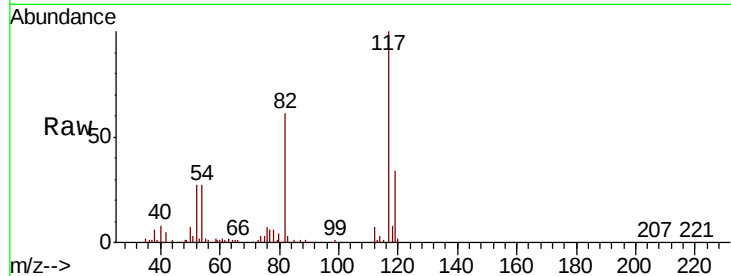




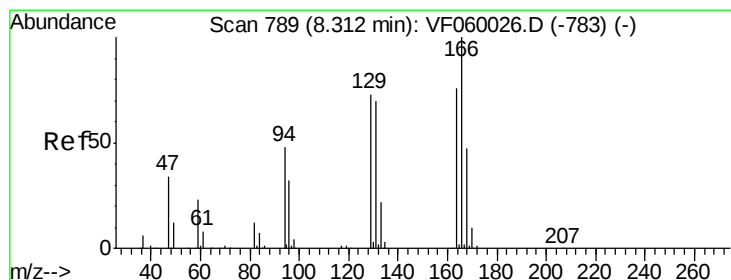
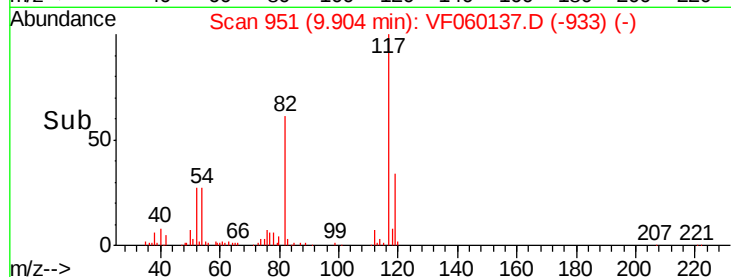
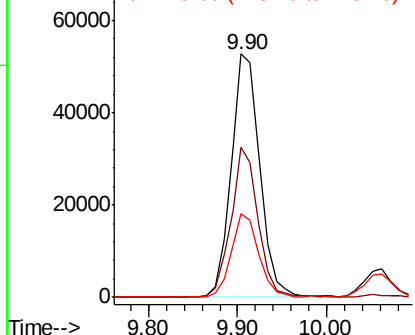
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF060137.D
Acq: 27 Aug 2018 20:53

Instrument :
MSVOA_F
ClientSampleId :
VF0827SBS01

Tot Ion:117 Resp: 119042
Ion Ratio Lower Upper
117 100
82 61.4 43.6 65.4
119 34.3 25.6 38.4

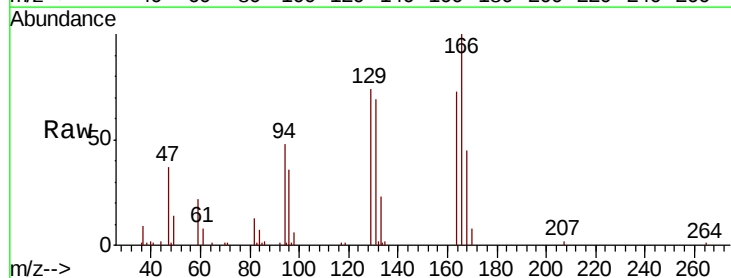


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

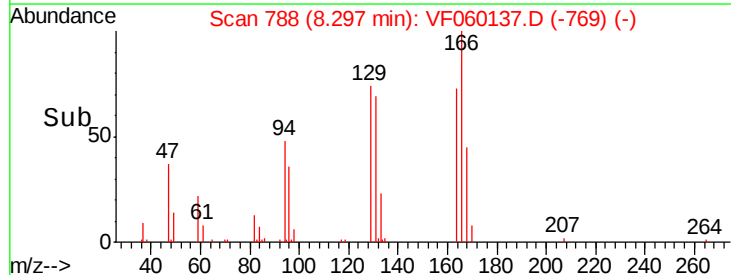
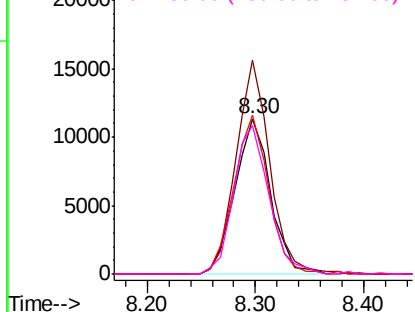


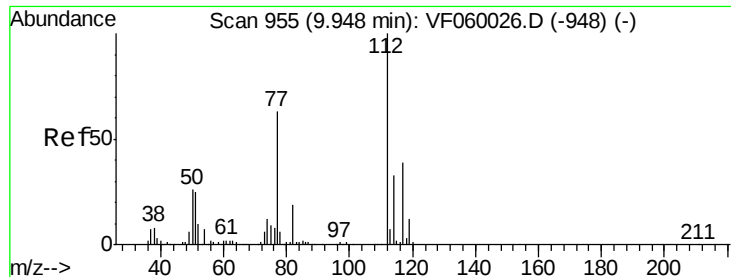
#64
Tetrachloroethene
Concen: 32.43 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF060137.D
Acq: 27 Aug 2018 20:53

Tgt Ion:164 Resp: 26003
Ion Ratio Lower Upper
164 100
166 137.5 104.7 157.1
129 101.9 77.0 115.4
131 95.2 72.9 109.3



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: 22.69 ug/l

RT: 9.93 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Instrument :

MSVOA_F

ClientSampleId :

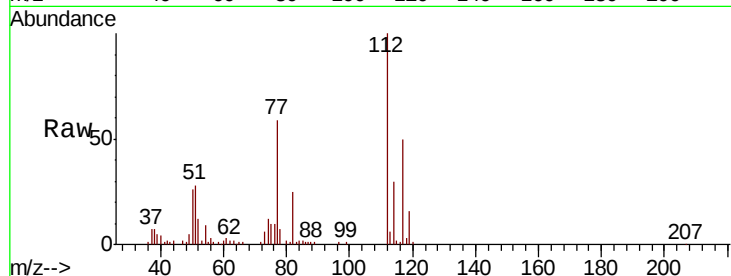
VF0827SBS01

Tot Ion:112 Resp: 51015

Ion Ratio Lower Upper

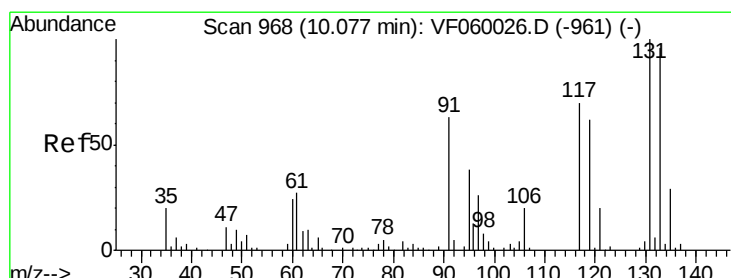
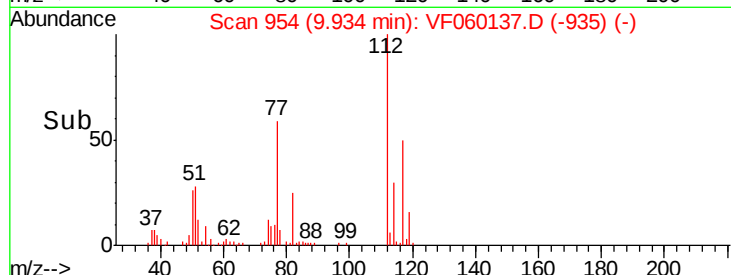
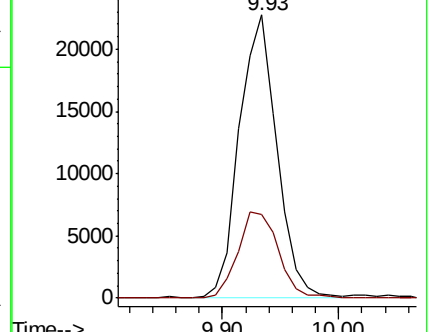
112 100

114 29.6 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.40 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

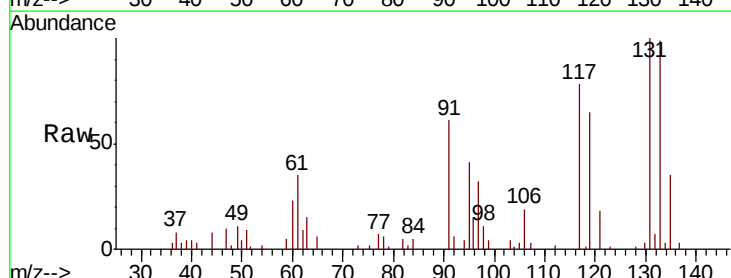
Tgt Ion:131 Resp: 17394

Ion Ratio Lower Upper

131 100

133 99.2 48.2 144.6

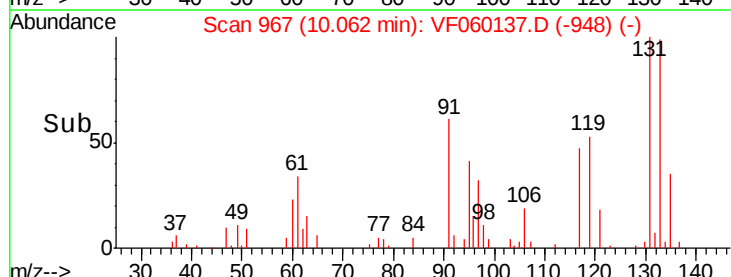
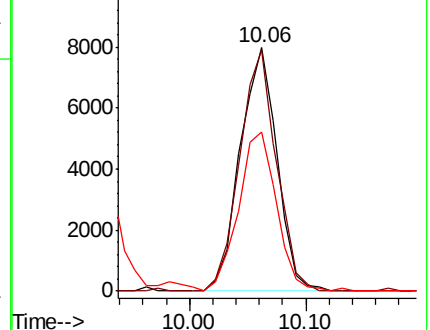
119 65.2 31.4 94.2

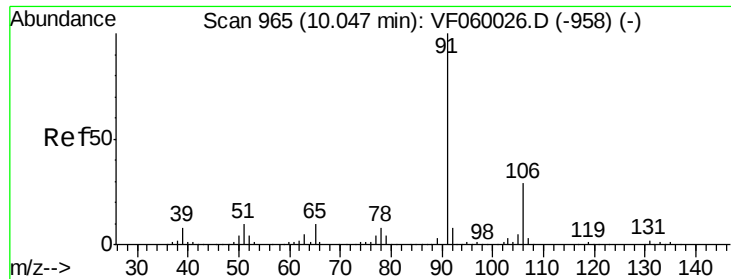


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

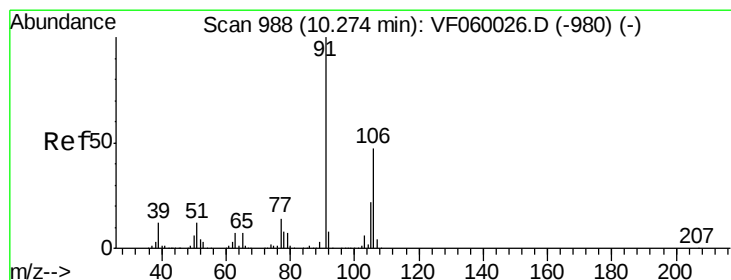
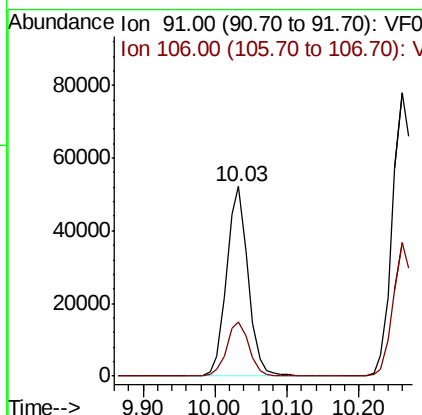
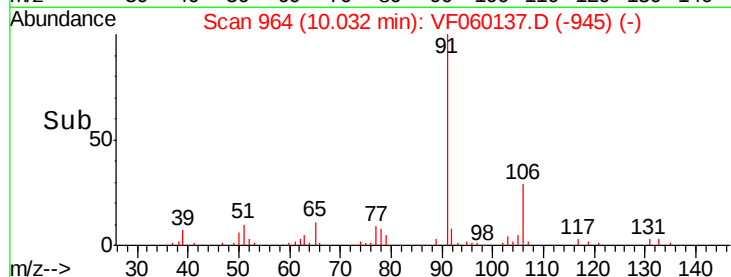
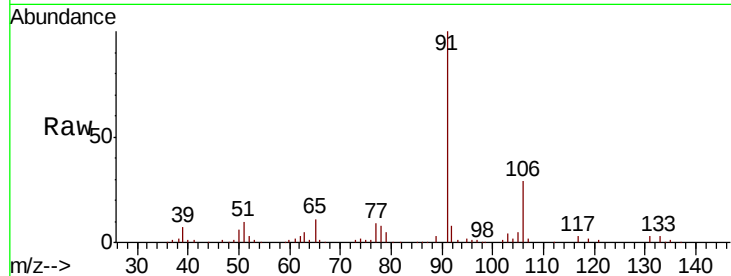




#67
Ethyl Benzene
Concen: 27.93 ug/l
RT: 10.03 min Scan# 964
Delta R.T. -0.01 min
Lab File: VF060137.D
Acq: 27 Aug 2018 20:53

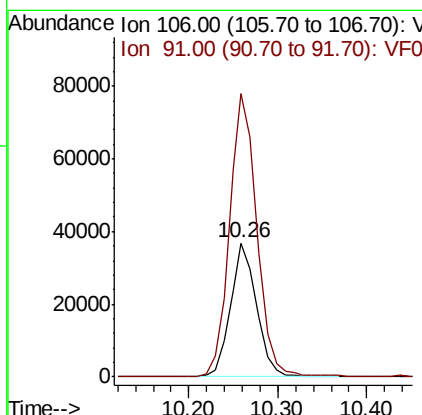
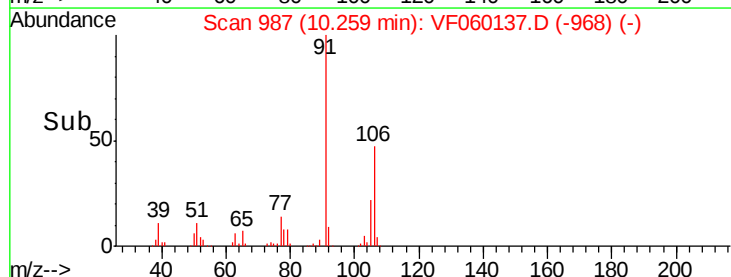
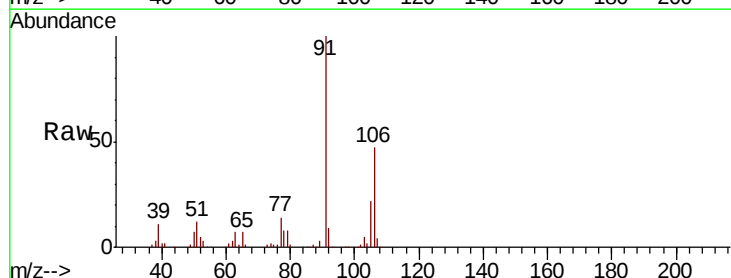
Instrument :
MSVOA_F
ClientSampleId :
VF0827SBS01

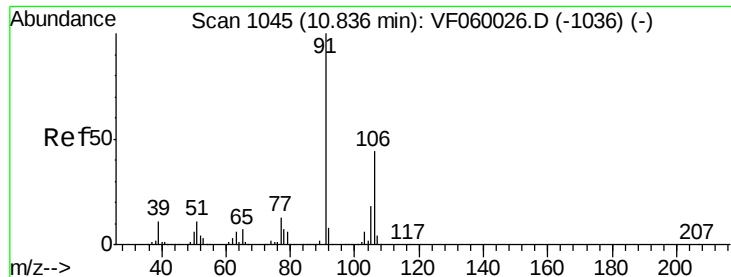
Tot Ion: 91 Resp: 108343
Ion Ratio Lower Upper
91 100
106 28.5 23.6 35.4



#68
m/p-Xylenes
Concen: 55.51 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF060137.D
Acq: 27 Aug 2018 20:53

Tgt Ion: 106 Resp: 75718
Ion Ratio Lower Upper
106 100
91 211.7 171.8 257.8

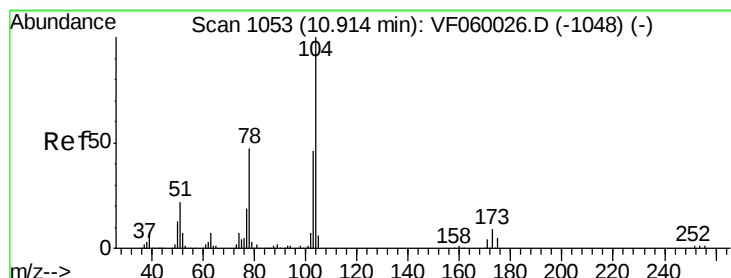
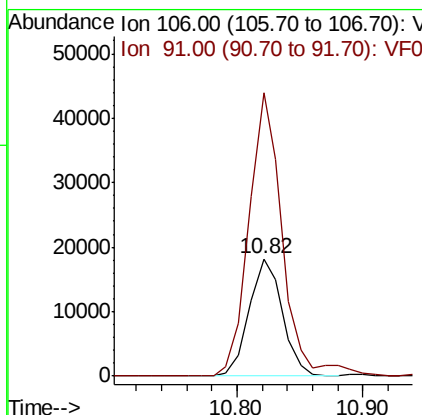
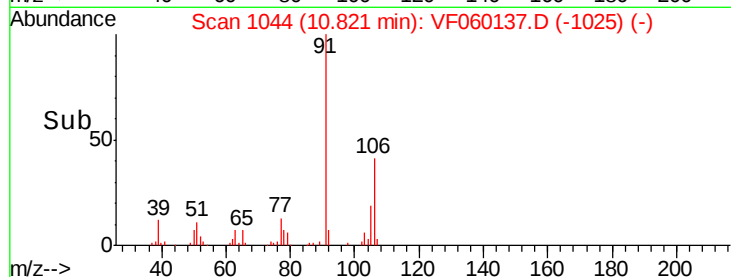
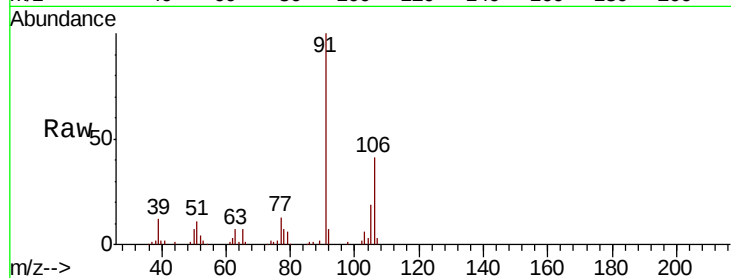




#69
o-Xylene
Concen: 22.02 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF060137.D
Acq: 27 Aug 2018 20:53

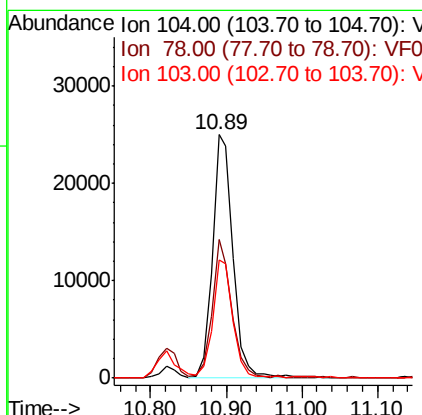
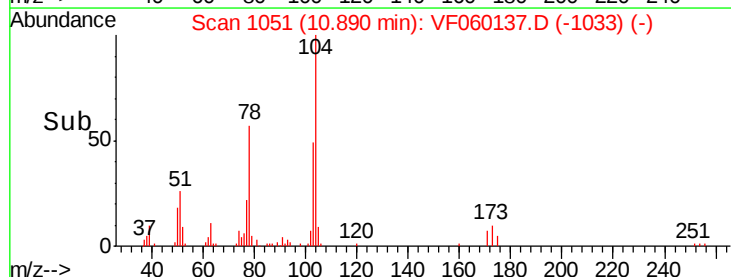
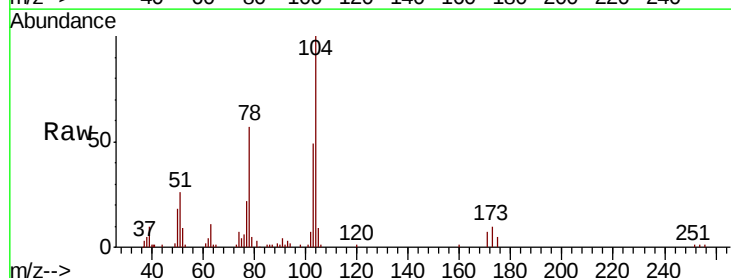
Instrument :
MSVOA_F
ClientSampleId :
VF0827SBS01

Tot Ion:106 Resp: 33458
Ion Ratio Lower Upper
106 100
91 241.7 112.5 337.5



#70
Styrene
Concen: 20.50 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF060137.D
Acq: 27 Aug 2018 20:53

Tgt Ion:104 Resp: 47795
Ion Ratio Lower Upper
104 100
78 57.1 38.0 57.0#
103 48.7 37.6 56.4





#71

Bromoform

Concen: 12.26 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

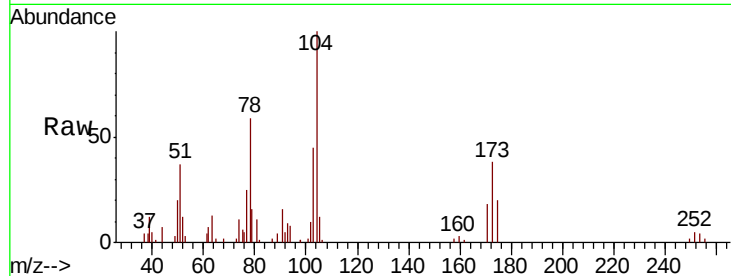
Tot Ion:173 Resp: 7290

Ion Ratio Lower Upper

173 100

175 51.0 24.7 74.1

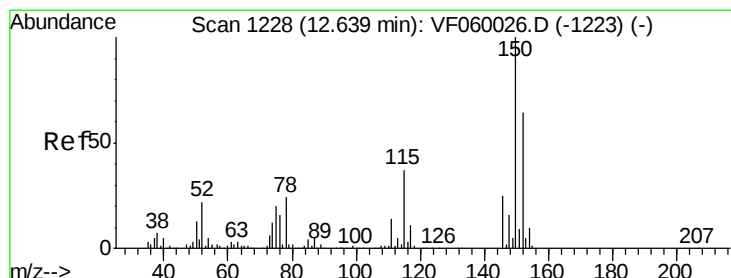
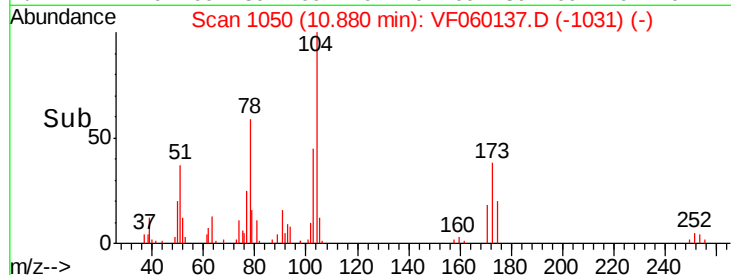
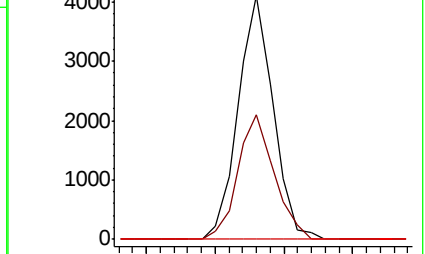
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

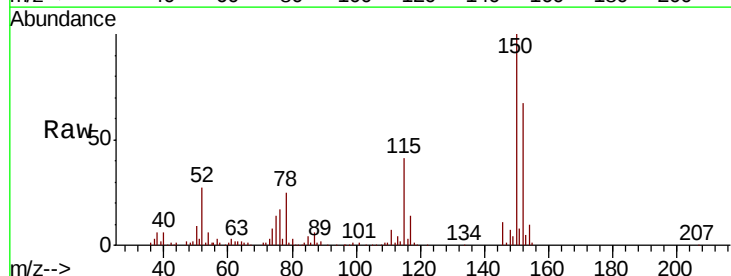
Tgt Ion:152 Resp: 65555

Ion Ratio Lower Upper

152 100

115 61.3 28.6 85.9

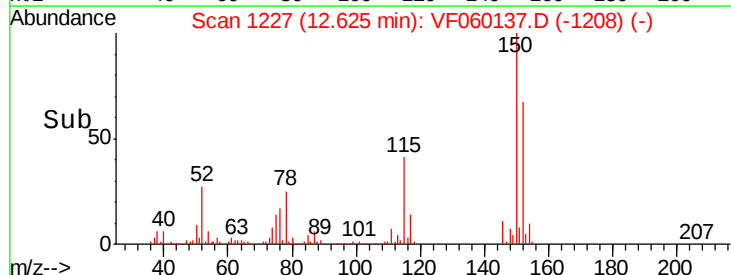
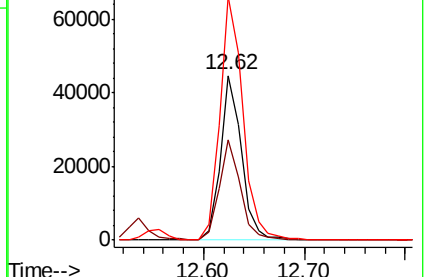
150 148.2 0.0 312.0

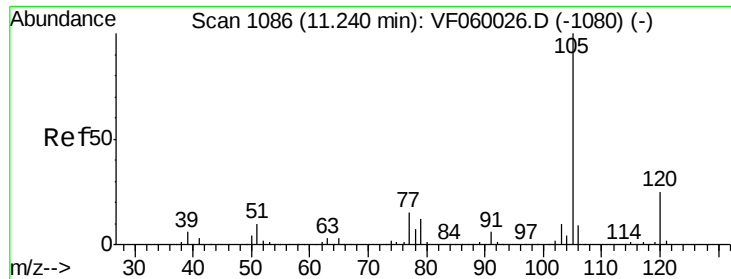


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 33.53 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Instrument :

MSVOA_F

ClientSampleId :

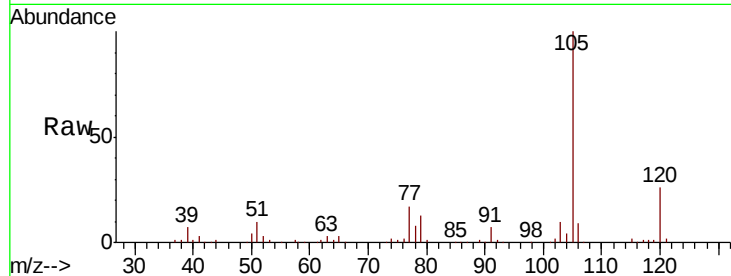
VF0827SBS01

Tot Ion:105 Resp: 132299

Ion Ratio Lower Upper

105 100

120 26.4 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

80000

60000

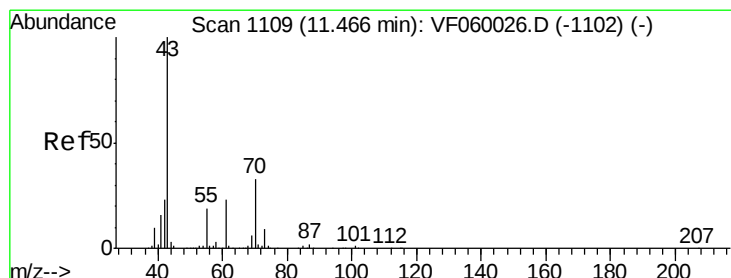
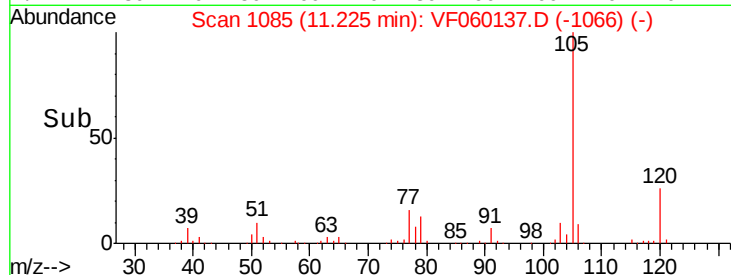
40000

20000

0

Time-->

11.10 11.20 11.30 11.40



#74

N-ethyl acetate

Concen: 10.01 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Tgt Ion: 43 Resp: 12273

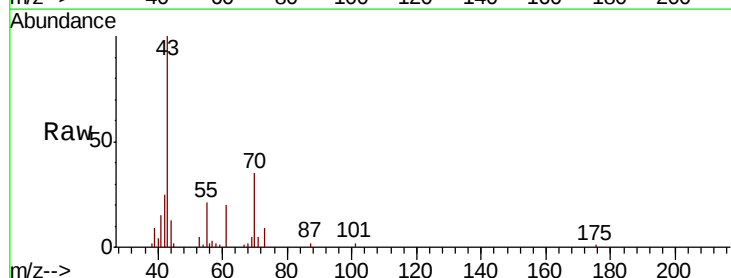
Ion Ratio Lower Upper

43 100

70 35.3 26.4 39.6

55 20.6 15.0 22.4

61 20.1 18.4 27.6



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

12000

10000

8000

6000

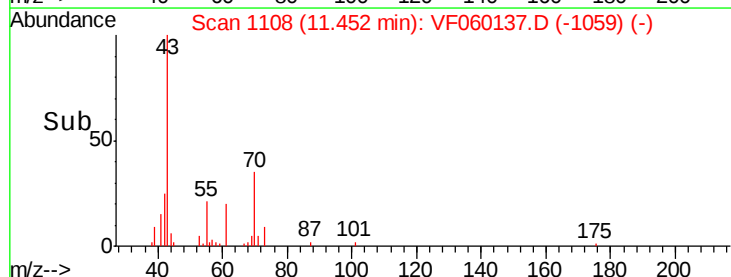
4000

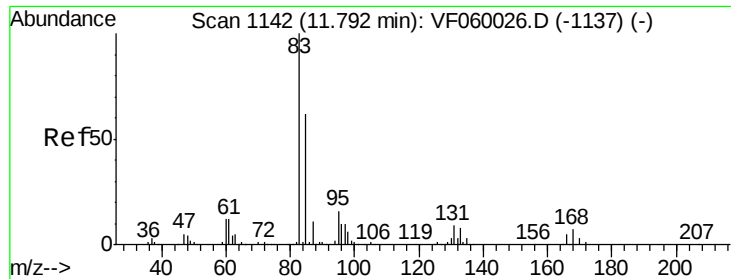
2000

0

Time-->

11.40 11.45 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 13.35 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

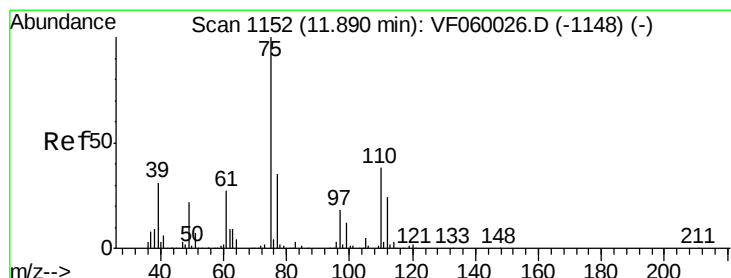
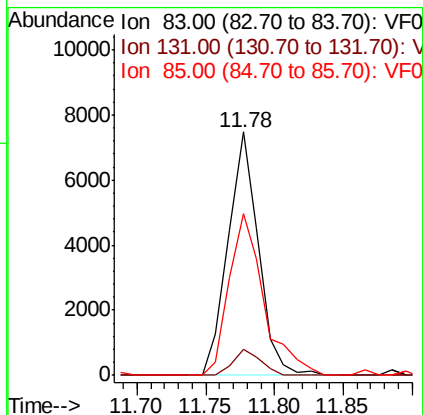
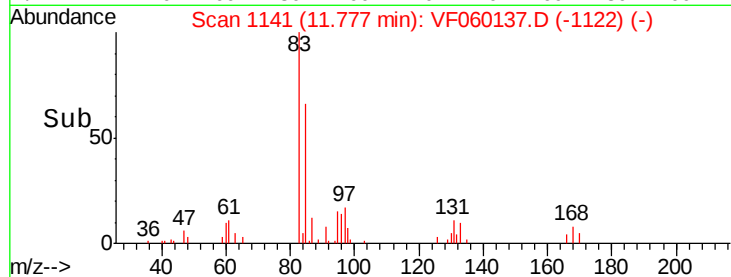
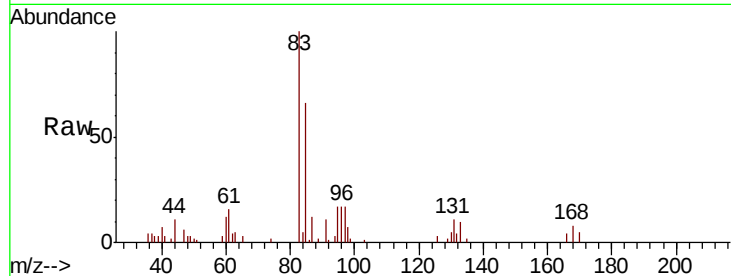
Tot Ion: 83 Resp: 11503

Ion Ratio Lower Upper

83 100

131 10.6 4.5 13.7

85 66.3 31.3 93.9



#76

1,2,3-Trichloropropane

Concen: 14.49 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF060137.D

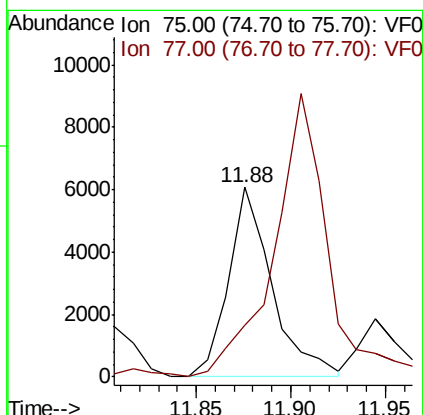
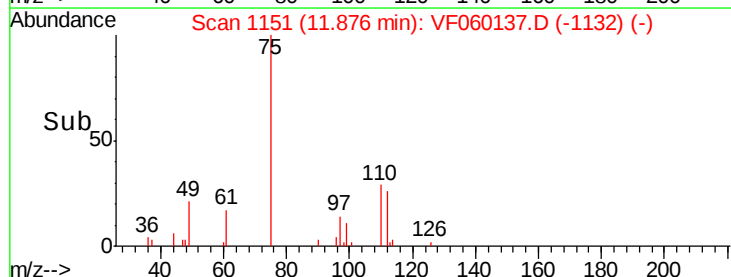
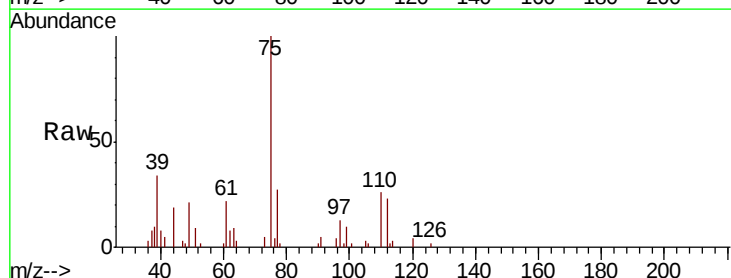
Acq: 27 Aug 2018 20:53

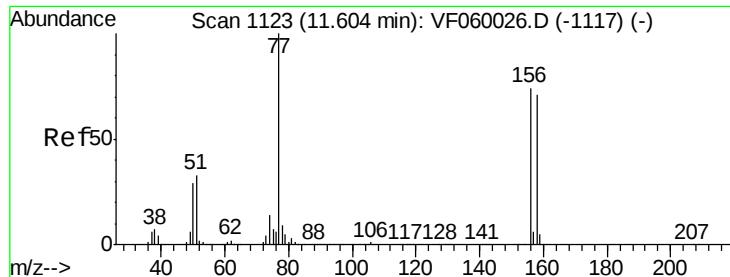
Tgt Ion: 75 Resp: 9683

Ion Ratio Lower Upper

75 100

77 27.4 17.3 52.0





#77

Bromobenzene

Concen: 20.90 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

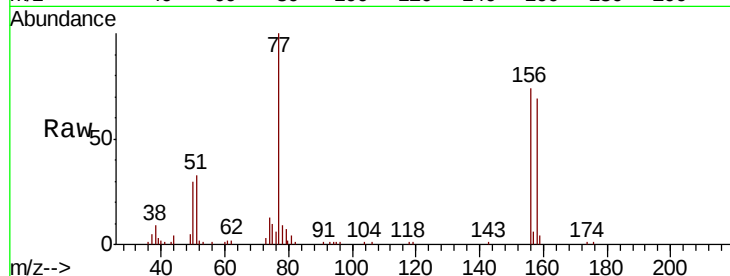
Tot Ion:156 Resp: 22424

Ion Ratio Lower Upper

156 100

77 135.5 68.0 204.0

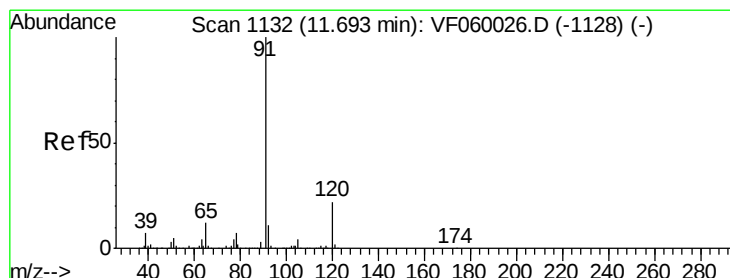
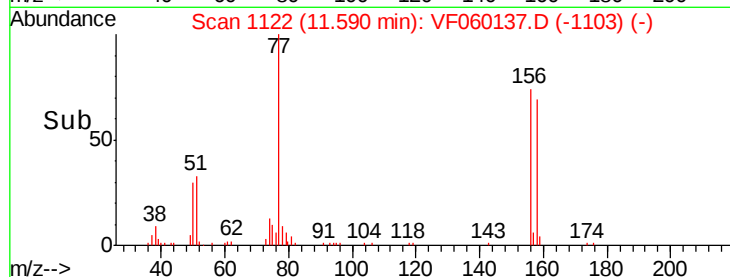
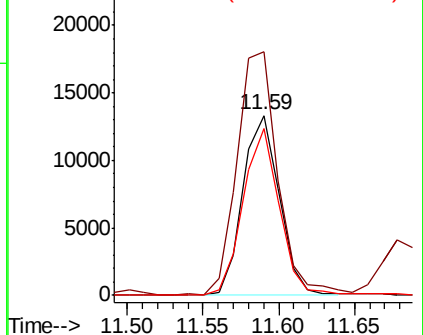
158 93.2 48.4 145.3



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: 33.18 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF060137.D

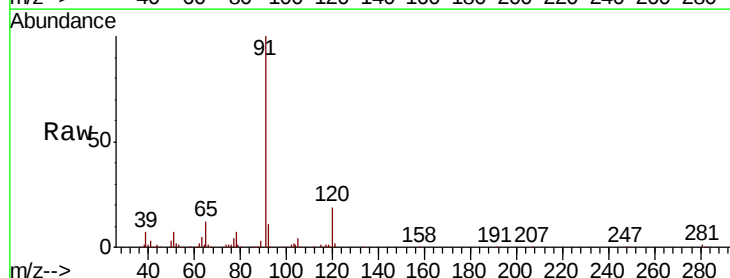
Acq: 27 Aug 2018 20:53

Tgt Ion: 91 Resp: 161594

Ion Ratio Lower Upper

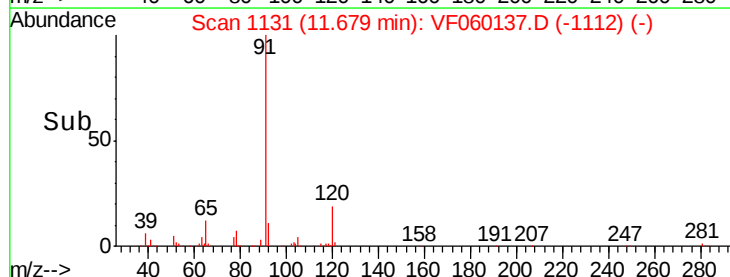
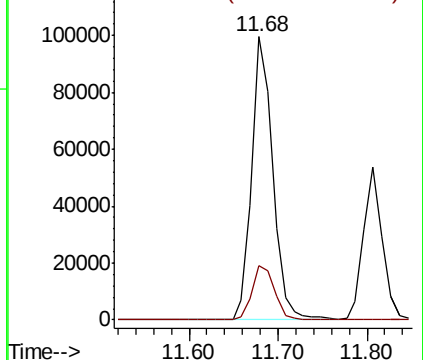
91 100

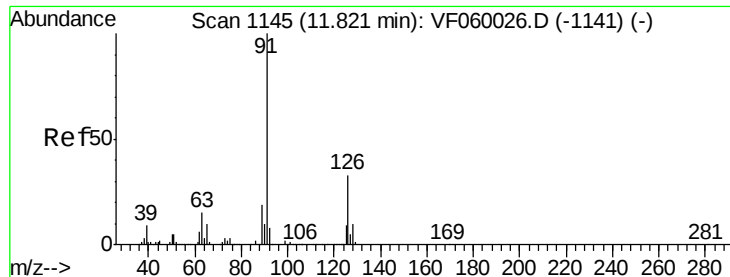
120 19.3 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 27.09 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Instrument :

MSVOA_F

ClientSampleId :

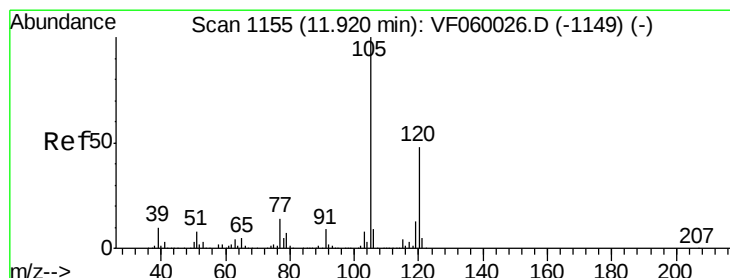
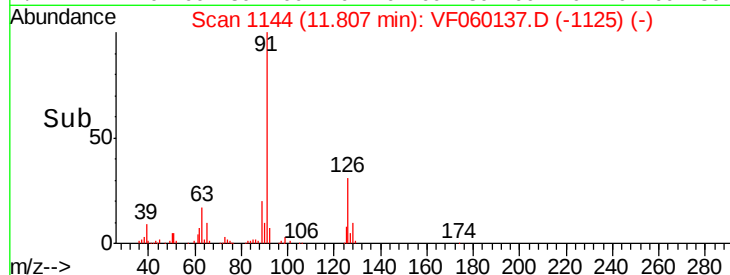
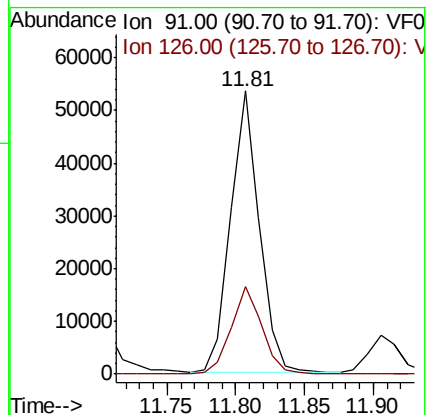
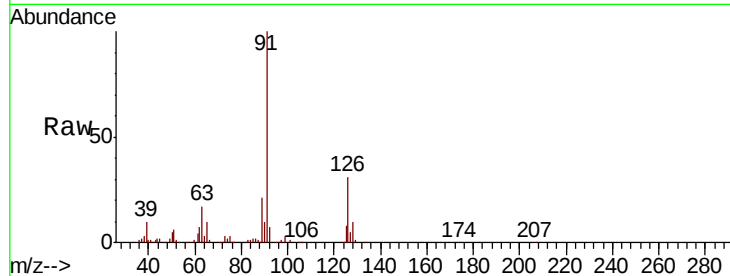
VF0827SBS01

Tot Ion: 91 Resp: 77570

Ion Ratio Lower Upper

91 100

126 31.0 16.6 49.7



#80

1,3,5-Trimethylbenzene

Concen: 29.53 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF060137.D

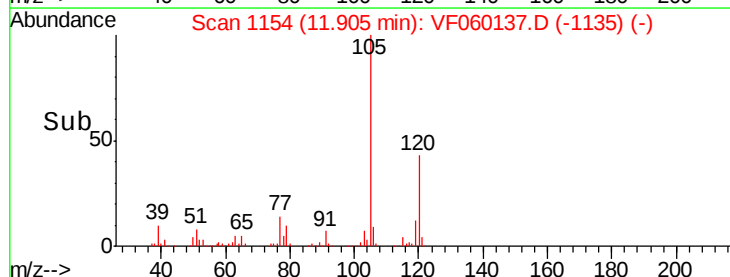
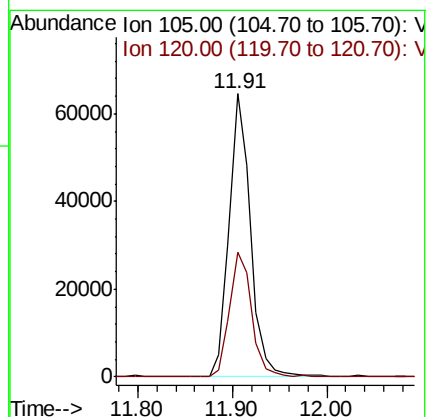
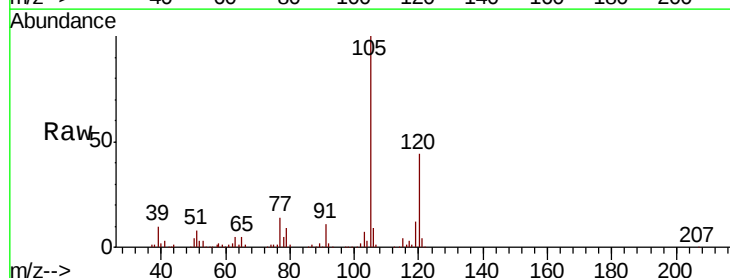
Acq: 27 Aug 2018 20:53

Tgt Ion:105 Resp: 101510

Ion Ratio Lower Upper

105 100

120 44.1 23.8 71.5

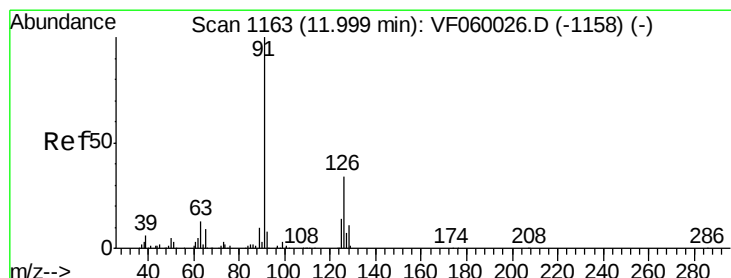
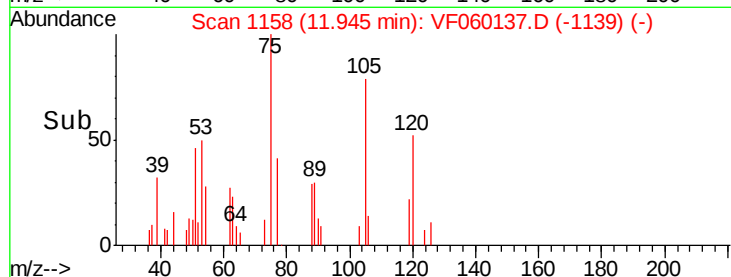
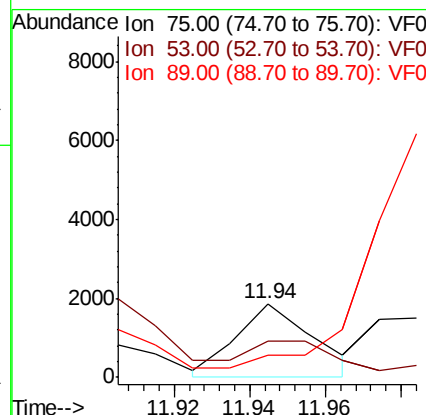
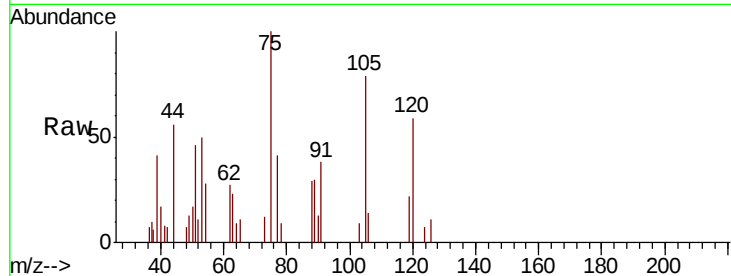




#81
trans-1,4-Dichloro-2-butene
Concen: 8.57 ug/l
RT: 11.94 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VF060137.D
Acq: 27 Aug 2018 20:53

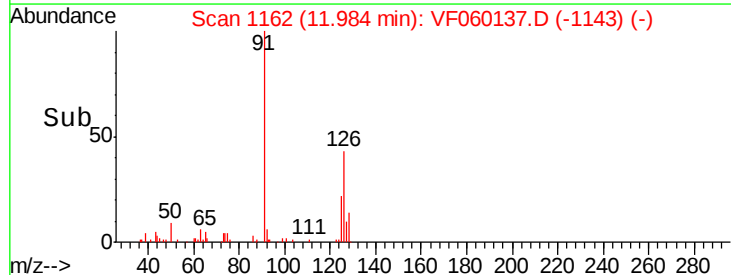
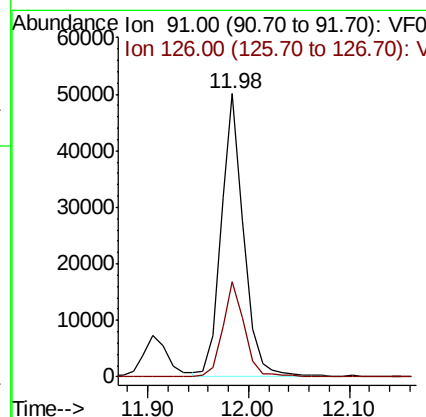
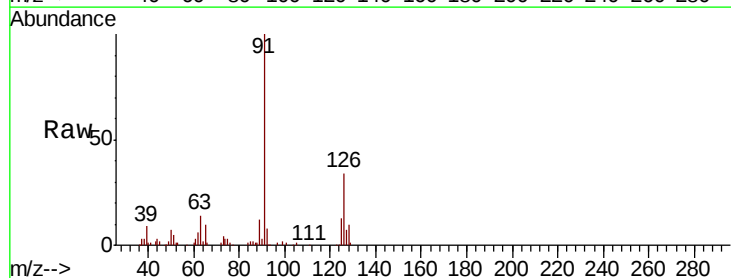
Instrument :
MSVOA_F
ClientSampleId :
VF0827SBS01

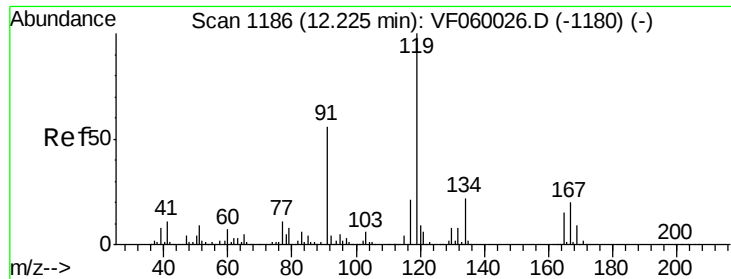
Tot Ion: 75 Resp: 2622
Ion Ratio Lower Upper
75 100
53 49.8 66.2 99.4#
89 30.0 42.8 64.2#



#82
4-Chlorotoluene
Concen: 24.91 ug/l
RT: 11.98 min Scan# 1162
Delta R.T. -0.01 min
Lab File: VF060137.D
Acq: 27 Aug 2018 20:53

Tgt Ion: 91 Resp: 77453
Ion Ratio Lower Upper
91 100
126 33.7 17.0 50.9

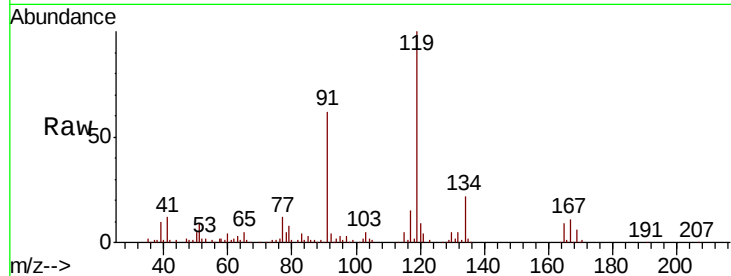




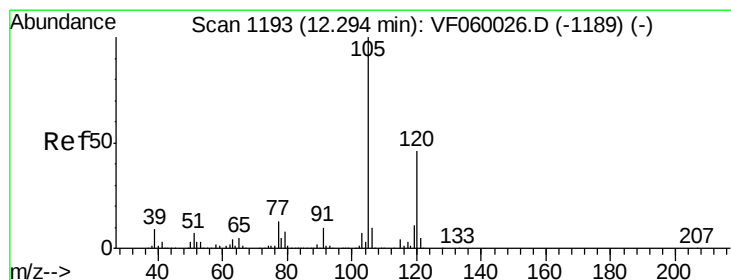
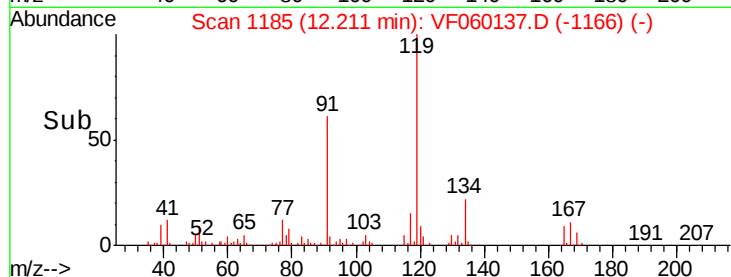
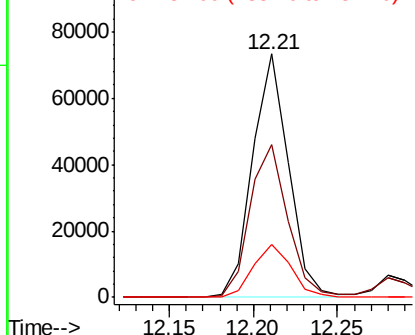
#83
tert-Butylbenzene
Concen: 32.57 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VF060137.D
Acq: 27 Aug 2018 20:53

Instrument :
MSVOA_F
ClientSampleId :
VF0827SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.5	28.1	84.3
134	21.7	11.1	33.3

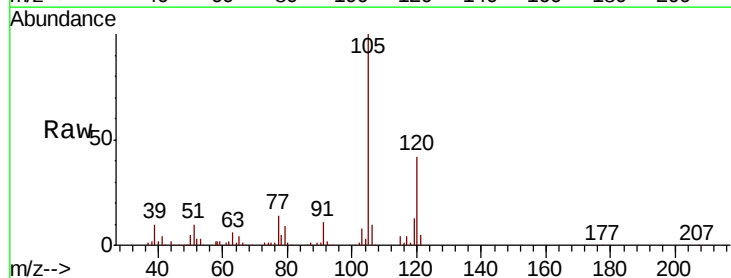


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

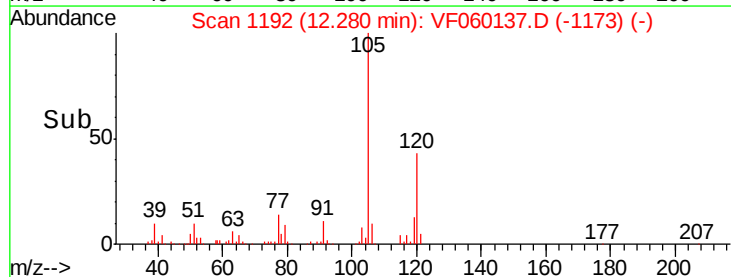
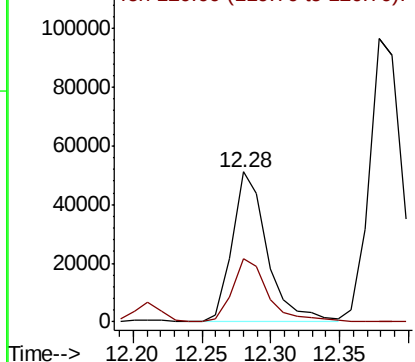


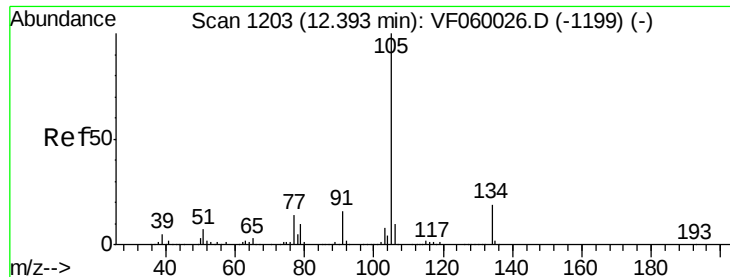
#84
1,2,4-Trimethylbenzene
Concen: 24.91 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VF060137.D
Acq: 27 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.5	23.3	69.8



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





#85

sec-Butylbenzene

Concen: 34.80 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Instrument :

MSVOA_F

ClientSampleId :

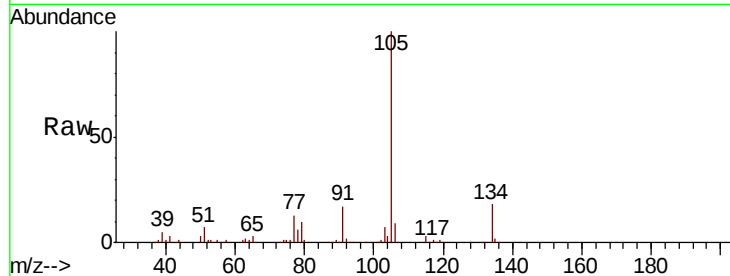
VF0827SBS01

Tot Ion:105 Resp: 162426

Ion Ratio Lower Upper

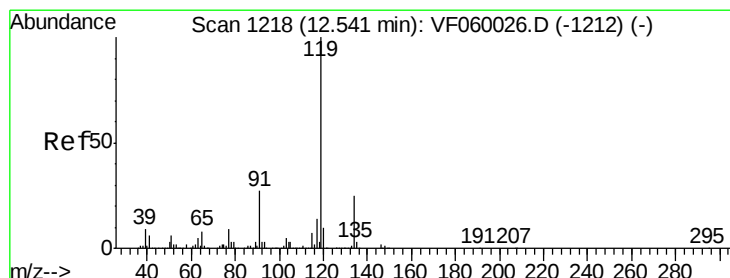
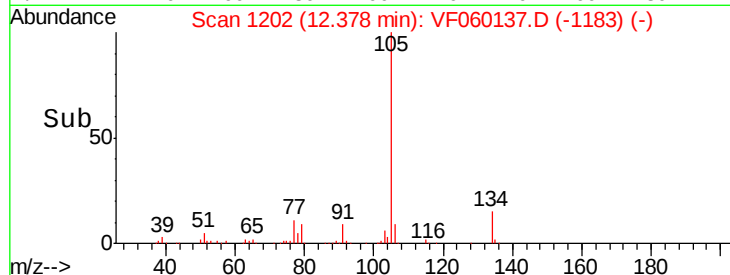
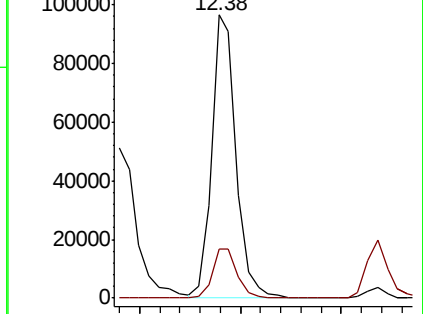
105 100

134 17.6 9.3 27.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 30.96 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

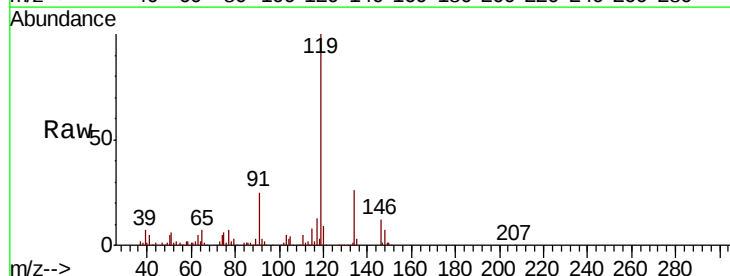
Tgt Ion:119 Resp: 119891

Ion Ratio Lower Upper

119 100

134 25.5 12.4 37.2

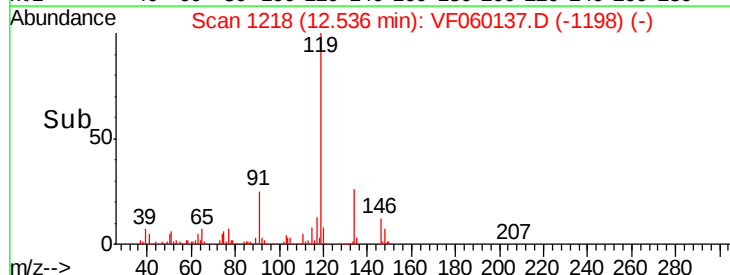
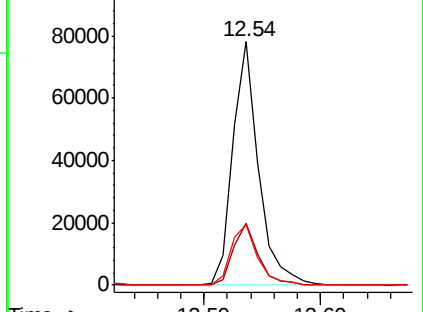
91 24.9 13.5 40.4

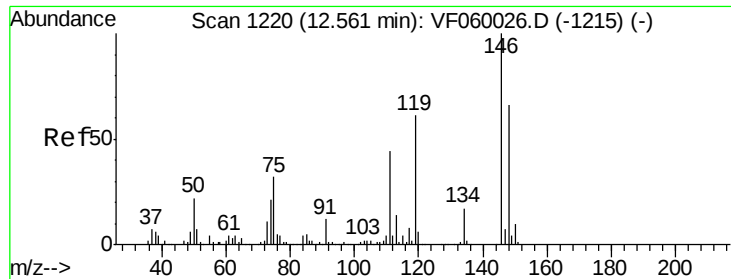


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

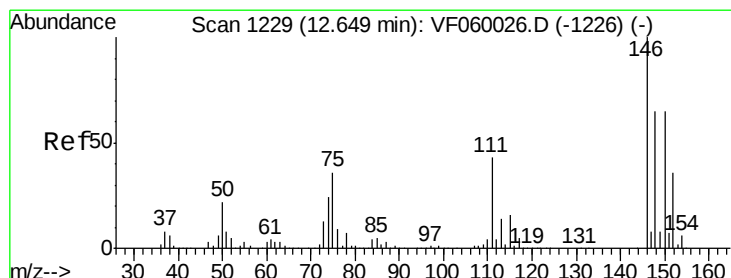
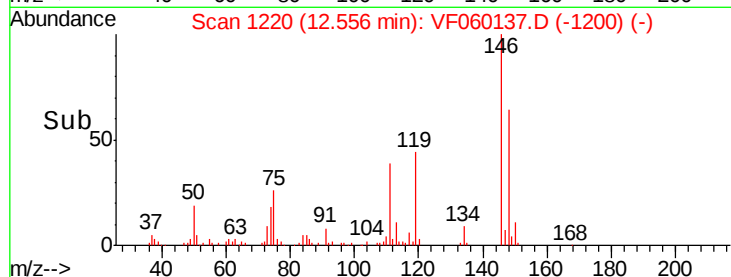
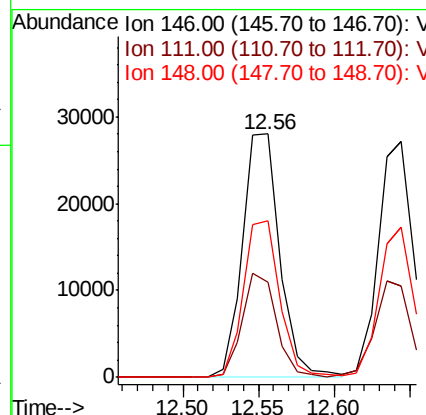
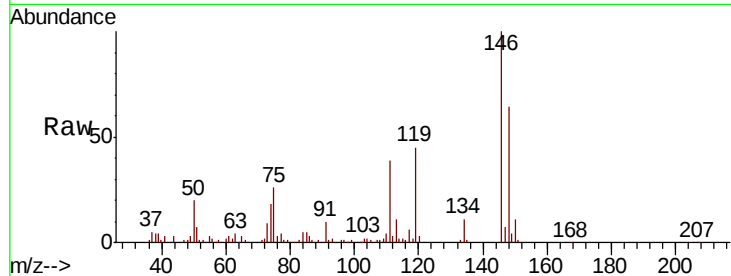




#87
 1,3-Dichlorobenzene
 Concen: 24.24 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF060137.D
 Acq: 27 Aug 2018 20:53

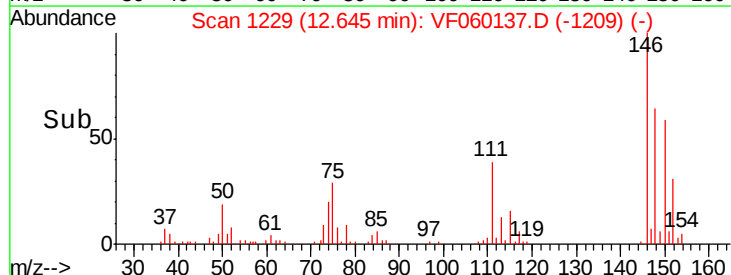
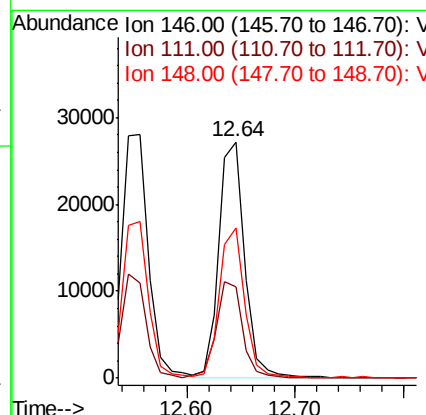
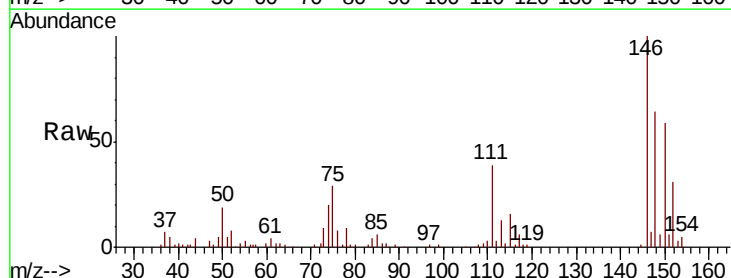
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0827SBS01

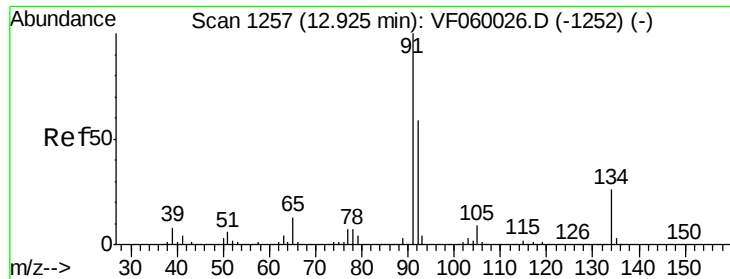
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	21.9	65.5
148	64.1	32.9	98.7



#88
 1,4-Dichlorobenzene
 Concen: 22.92 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VF060137.D
 Acq: 27 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	21.6	64.8
148	63.8	32.3	96.8

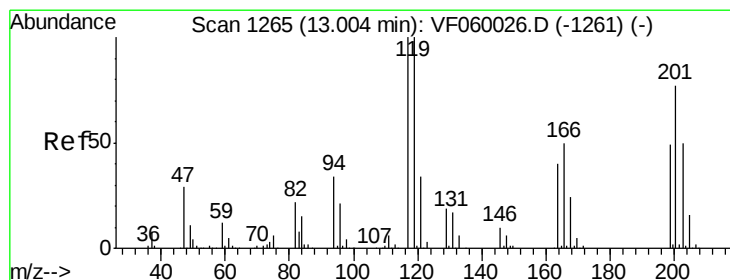
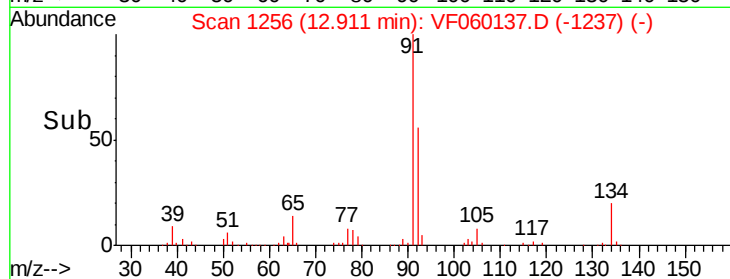
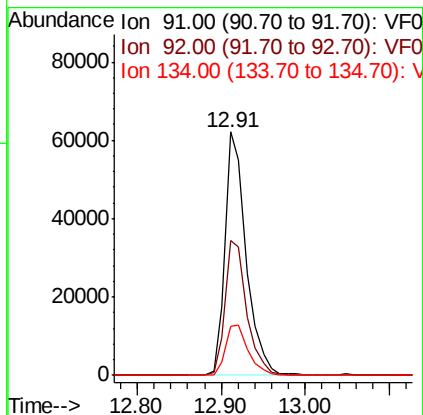
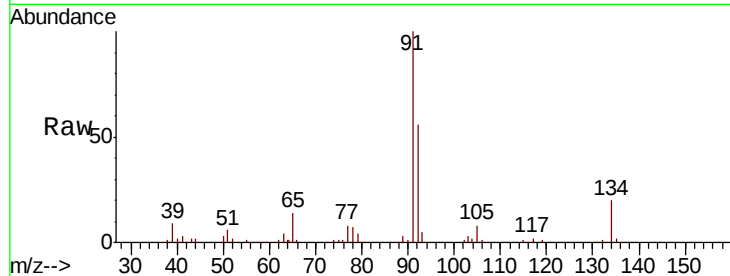




#89
n-Butylbenzene
Concen: 28.80 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF060137.D
Acq: 27 Aug 2018 20:53

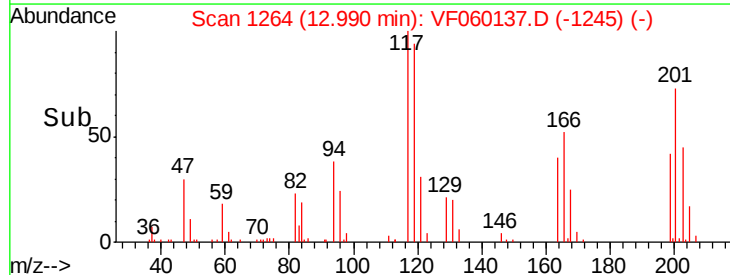
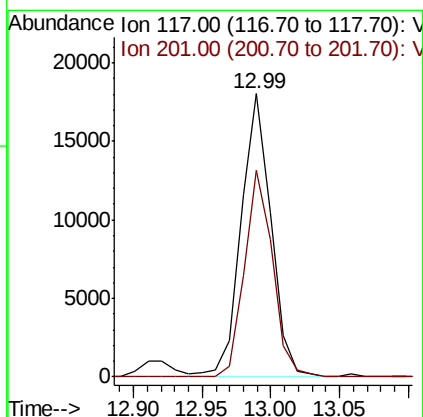
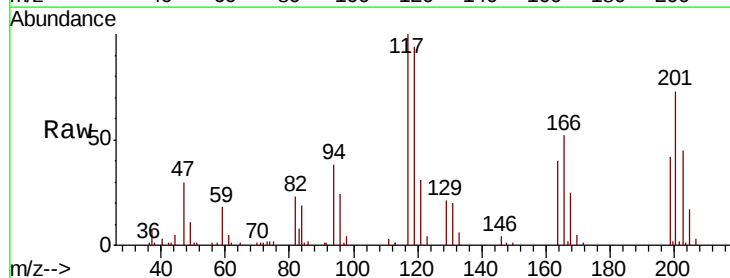
Instrument :
MSVOA_F
ClientSampleId :
VF0827SBS01

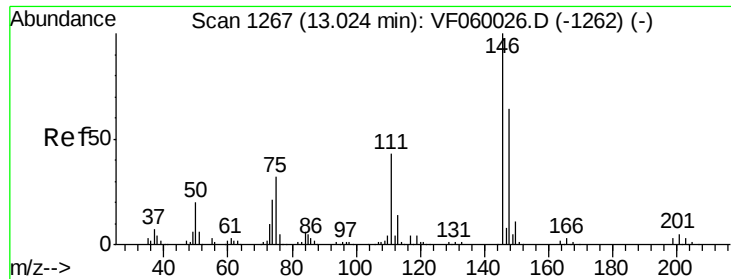
Tot Ion: 91 Resp: 108375
Ion Ratio Lower Upper
91 100
92 55.5 29.3 87.9
134 20.1 12.8 38.3



#90
Hexachloroethane
Concen: 31.40 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF060137.D
Acq: 27 Aug 2018 20:53

Tgt Ion: 117 Resp: 27329
Ion Ratio Lower Upper
117 100
201 75.1 38.6 115.8

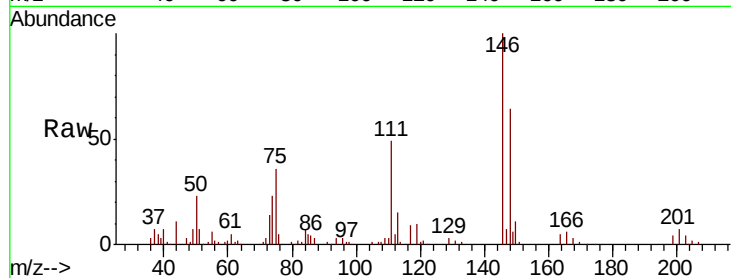




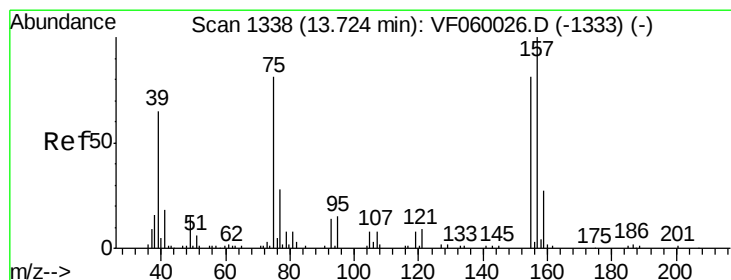
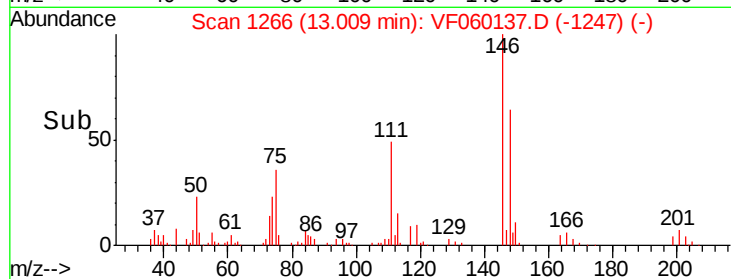
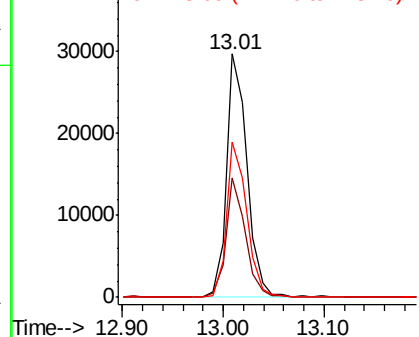
#91
 1,2-Dichlorobenzene
 Concen: 21.96 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: VF060137.D
 Acq: 27 Aug 2018 20:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0827SBS01

Tot Ion:146 Resp: 41907
 Ion Ratio Lower Upper
 146 100
 111 48.9 21.6 64.6
 148 63.9 32.3 96.8

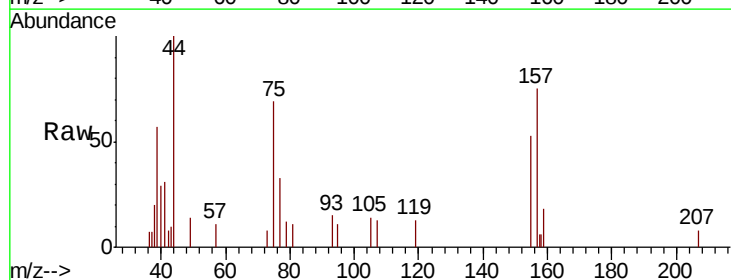


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

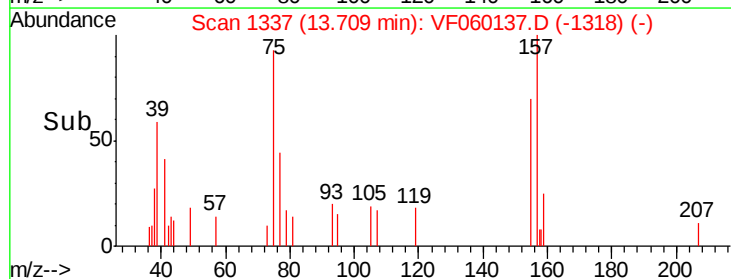
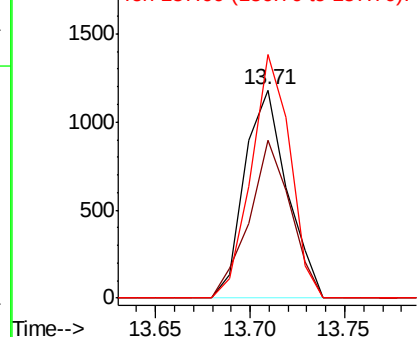


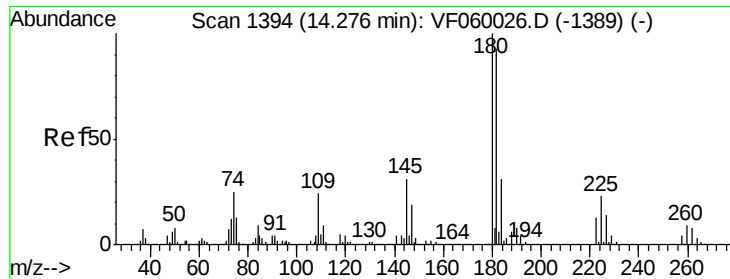
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.46 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF060137.D
 Acq: 27 Aug 2018 20:53

Tgt Ion: 75 Resp: 1842
 Ion Ratio Lower Upper
 75 100
 155 75.8 49.8 149.3
 157 116.8 61.6 184.7



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

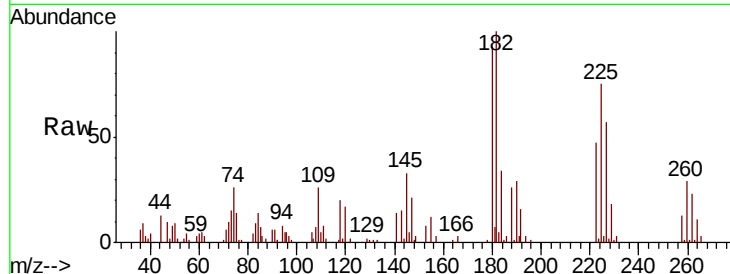




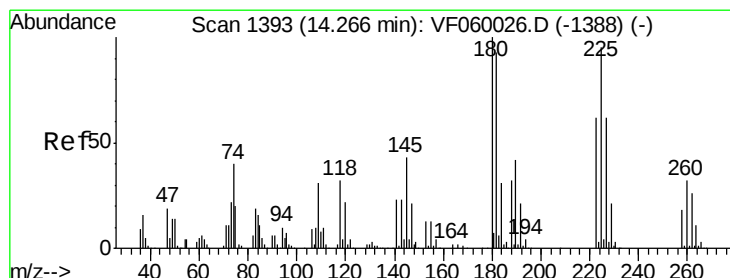
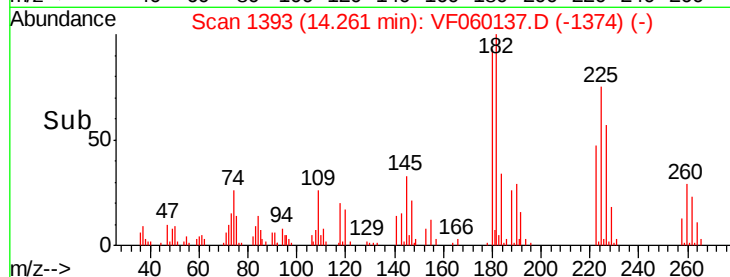
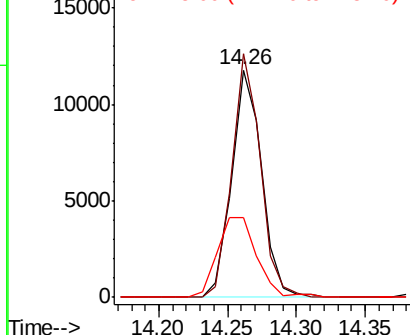
#93
1,2,4-Trichlorobenzene
Concen: 12.72 ug/l
RT: 14.26 min Scan# 1393
Delta R.T. -0.01 min
Lab File: VF060137.D
Acq: 27 Aug 2018 20:53

Instrument :
MSVOA_F
ClientSampleId :
VF0827SBS01

Tot Ion:180 Resp: 17872
Ion Ratio Lower Upper
180 100
182 107.1 46.8 140.3
145 35.2 15.4 46.4

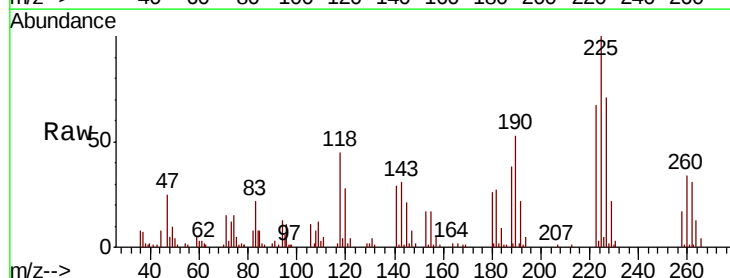


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

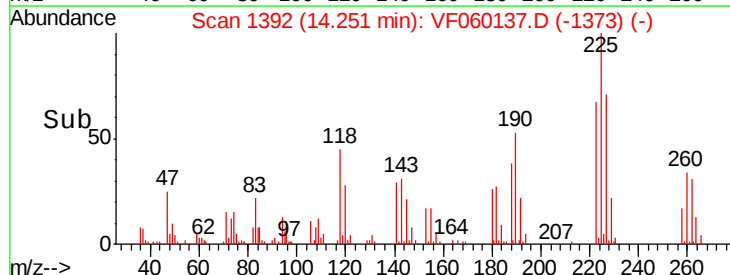
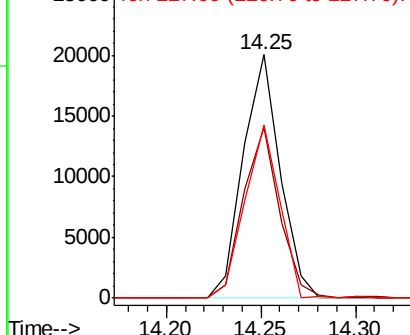


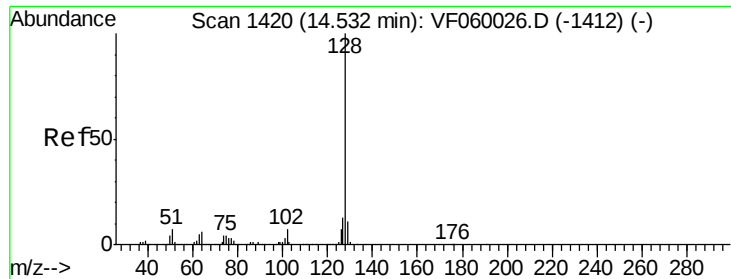
#94
Hexachlorobutadiene
Concen: 31.12 ug/l
RT: 14.25 min Scan# 1392
Delta R.T. -0.01 min
Lab File: VF060137.D
Acq: 27 Aug 2018 20:53

Tgt Ion:225 Resp: 27214
Ion Ratio Lower Upper
225 100
223 69.9 32.6 97.8
227 71.2 33.0 98.9



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: 7.54 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

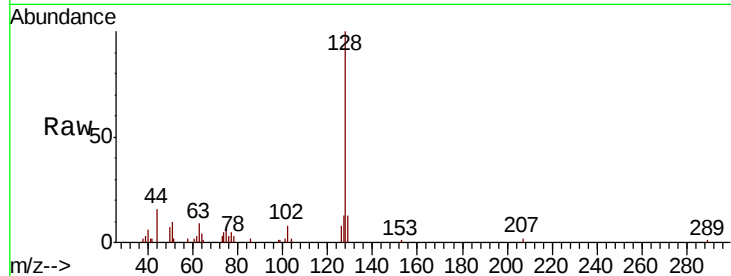
Tot Ion:128 Resp: 13427

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

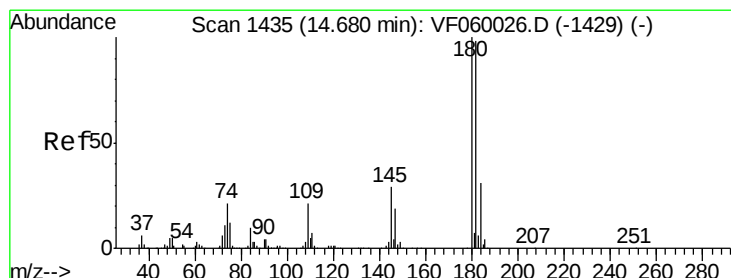
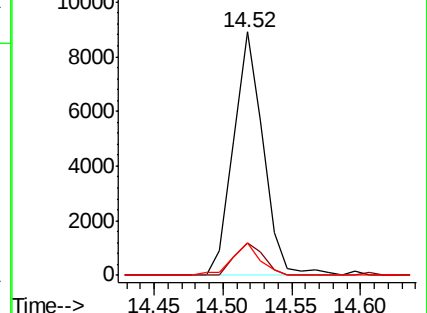
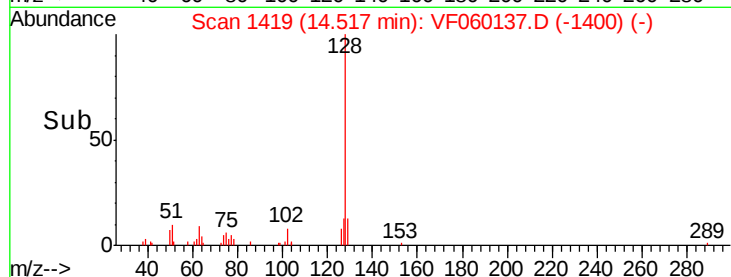
129 13.3 8.5 12.7#



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: 11.12 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. -0.01 min

Lab File: VF060137.D

Acq: 27 Aug 2018 20:53

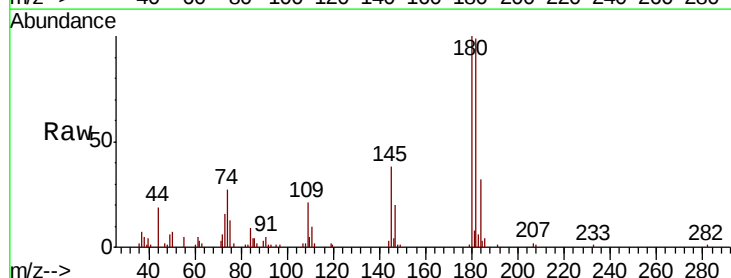
Tgt Ion:180 Resp: 14911

Ion Ratio Lower Upper

180 100

182 99.3 49.0 147.2

145 38.1 14.4 43.2



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

