

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091018\
 Data File : VF060243.D
 Acq On : 10 Sep 2018 19:05
 Operator : VA/AP
 Sample : J4803-19MSD
 Misc : 5.39/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 J4803-17MSD

Quant Time: Sep 11 07:18:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	138609	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.77	114	203419	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	207998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	119864	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	119623	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	4.30	113	58473	29.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.68%	
50) Toluene-d8	7.72	98	255070	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
62) 4-Bromofluorobenzene	11.51	95	133274	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	0.95	85	132003	49.96	ug/l	96
3) Chloromethane	1.07	50	71498	51.32	ug/l	98
4) Vinyl Chloride	1.12	62	69699	64.91	ug/l	100
5) Bromomethane	1.32	94	59195	61.54	ug/l	99
6) Chloroethane	1.40	64	40668	59.13	ug/l	93
7) Trichlorofluoromethane	1.49	101	179051	59.79	ug/l	96
8) Diethyl Ether	1.70	74	22937	51.80	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.86	101	78106	53.34	ug/l	98
10) Methyl Iodide	1.93	142	68800	52.16	ug/l #	90
11) Tert butyl alcohol	2.67	59	16553	134.93	ug/l #	87
12) 1,1-Dichloroethene	1.83	96	58849	59.07	ug/l	88
13) Acrolein	2.09	56	12129	240.32	ug/l #	1
14) Allyl chloride	2.19	41	102595	68.66	ug/l	88
15) Acrylonitrile	3.07	53	47460	257.80	ug/l	97
16) Acetone	2.33	43	148963	256.38	ug/l	96
17) Carbon Disulfide	1.84	76	161061	55.47	ug/l	98
18) Methyl Acetate	2.45	43	28851	35.26	ug/l	97
19) Methyl tert-butyl Ether	2.53	73	153967	46.71	ug/l	100
20) Methylene Chloride	2.29	84	67547	58.62	ug/l	91
21) trans-1,2-Dichloroethene	2.41	96	58701	57.58	ug/l	93
22) Diisopropyl ether	2.93	45	201530	53.82	ug/l	96
23) Vinyl Acetate	3.37	43	176	22.90	ug/l #	82
24) 1,1-Dichloroethane	3.00	63	146476	60.14	ug/l	100
25) 2-Butanone	4.51	43	149866	220.20	ug/l	95
26) 2,2-Dichloropropane	3.76	77	146632	43.64	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	79157	59.49	ug/l	97
28) Bromochloromethane	3.89	49	42345	51.05	ug/l	98
29) Tetrahydrofuran	4.25	42	43807	194.70	ug/l	92
30) Chloroform	4.04	83	197827	55.44	ug/l	98
31) Cyclohexane	3.86	56	93696	56.23	ug/l	96
32) 1,1,1-Trichloroethane	4.28	97	187691	52.80	ug/l	94
36) 1,1-Dichloropropene	4.46	75	129650	54.15	ug/l	97
37) Ethyl Acetate	4.29	43	29953	23.24	ug/l #	1
38) Carbon Tetrachloride	4.18	117	160535	48.77	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	102737	51.22	ug/l	99
40) Benzene	4.82	78	238606	55.94	ug/l	99
41) Methacrylonitrile	4.92	41	25964	41.69	ug/l	91
42) 1,2-Dichloroethane	5.12	62	142078	46.09	ug/l	99
43) Isopropyl Acetate	7.12	43	33774	24.25	ug/l #	98
44) Trichloroethene	5.68	130	147095	85.14	ug/l	99
45) 1,2-Dichloropropane	6.41	63	64209	52.96	ug/l	97
46) Dibromomethane	6.26	93	52219	48.91	ug/l	92
47) Bromodichloromethane	6.55	83	143249	49.44	ug/l	97
48) Methyl methacrylate	6.88	41	32111	29.03	ug/l	93
49) 1,4-Dioxane	6.88	88	5611	345.19	ug/l #	86
51) 4-Methyl-2-Pentanone	8.41	43	283310	228.97	ug/l	98
52) Toluene	7.79	92	169167	51.21	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	113476	46.61	ug/l	95
54) cis-1,3-Dichloropropene	7.46	75	130382	51.59	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	55099	45.35	ug/l	97
56) Ethyl methacrylate	8.76	69	51805	37.30	ug/l	94
57) 1,3-Dichloropropane	9.01	76	103551	47.93	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.79	63	36306	243.05	ug/l	100
59) 2-Hexanone	9.63	43	241502	261.02	ug/l	98
60) Dibromochloromethane	8.87	129	99439	49.41	ug/l	96
61) 1,2-Dibromoethane	9.15	107	65114	44.68	ug/l	95
64) Tetrachloroethene	8.32	164	143770	69.05	ug/l	92
65) Chlorobenzene	9.94	112	222563	51.70	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	89269	46.78	ug/l	96
67) Ethyl Benzene	10.04	91	412499	51.36	ug/l	99
68) m/p-Xylenes	10.28	106	287531	106.69	ug/l	99
69) o-Xylene	10.83	106	150189	52.25	ug/l	94
70) Styrene	10.91	104	228838	52.52	ug/l	98
71) Bromoform	10.89	173	56897	51.65	ug/l #	99
73) Isopropylbenzene	11.24	105	489984	59.26	ug/l	100
74) N-amyl acetate	11.47	43	51637	33.15	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	2378	1.91	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	59061	44.83	ug/l	93
77) Bromobenzene	11.60	156	113502	52.42	ug/l	94
78) n-propylbenzene	11.69	91	538541	54.36	ug/l	98
79) 2-Chlorotoluene	11.82	91	323347	54.02	ug/l	99
80) 1,3,5-Trimethylbenzene	11.92	105	401652	55.03	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	34289	108.30	ug/l	96
82) 4-Chlorotoluene	11.99	91	352901	53.13	ug/l	95
83) tert-Butylbenzene	12.22	119	356981	53.67	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	411329	55.47	ug/l	98
85) sec-Butylbenzene	12.39	105	477844	52.08	ug/l	99
86) p-Isopropyltoluene	12.55	119	433032	53.15	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	200264	50.62	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	202276	51.66	ug/l	96
89) n-Butylbenzene	12.92	91	376844	47.83	ug/l	98
90) Hexachloroethane	13.00	117	97106	58.80	ug/l	95
91) 1,2-Dichlorobenzene	13.02	146	194614	51.81	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	15836	49.91	ug/l	88

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QLast Update : Fri Sep 07 10:44:05 2018
Response via : Initial Calibration

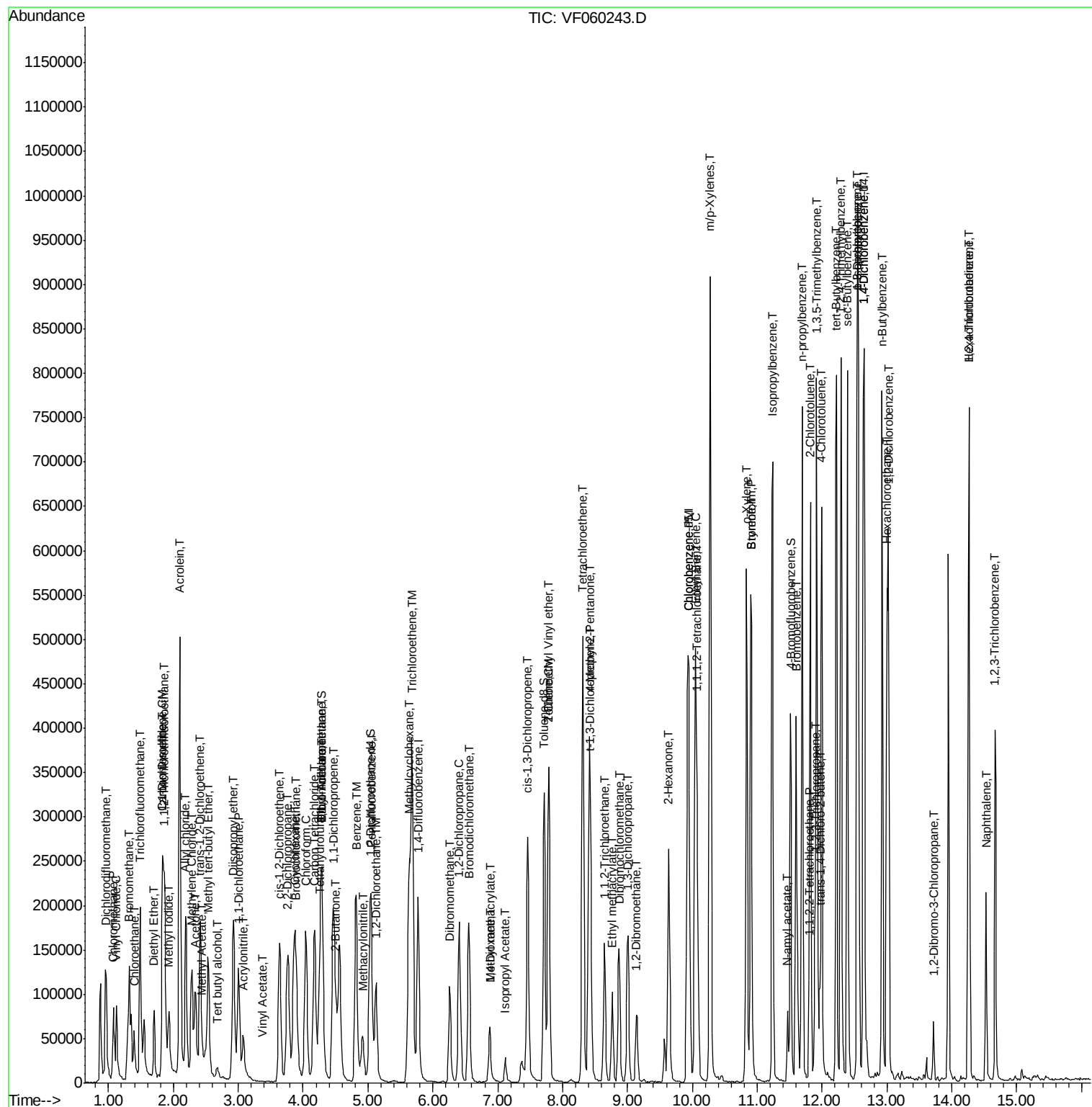
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	118675	40.88	ug/l	97
94) Hexachlorobutadiene	14.26	225	77610	37.51	ug/l	97
95) Naphthalene	14.53	128	160888	36.25	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	111459	40.90	ug/l	98

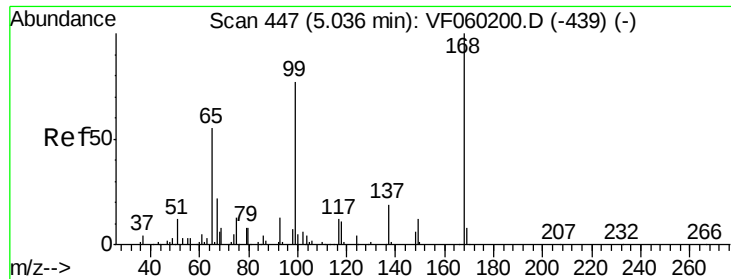
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.06 min Scan# 449

Delta R.T. 0.02 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

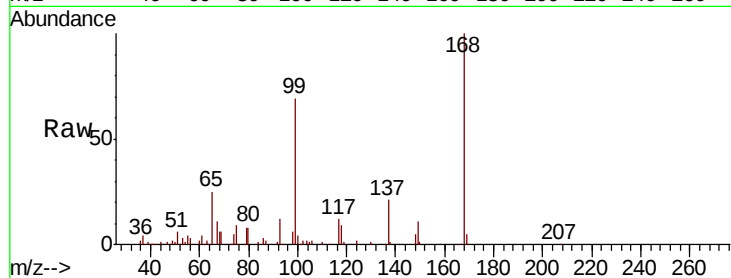
J4803-17MSD

Tot Ion:168 Resp: 138609

Ion Ratio Lower Upper

168 100

99 69.2 61.8 92.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

40000

30000

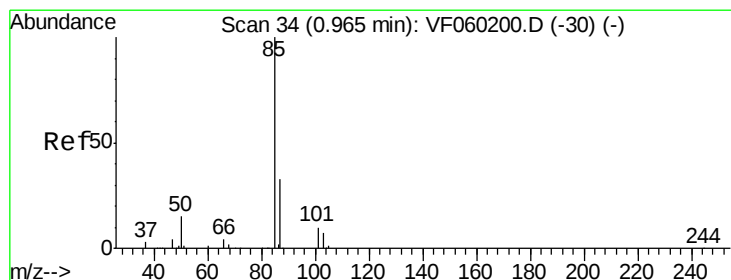
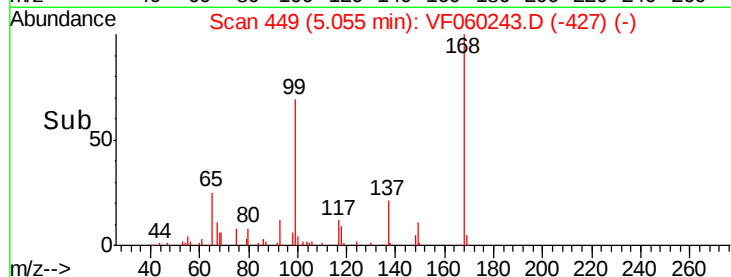
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 49.96 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF060243.D

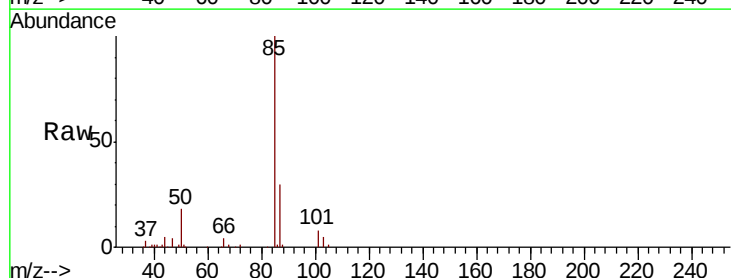
Acq: 10 Sep 2018 19:05

Tgt Ion: 85 Resp: 132003

Ion Ratio Lower Upper

85 100

87 30.3 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

80000

60000

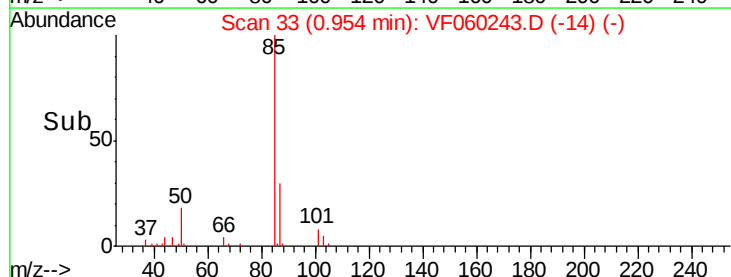
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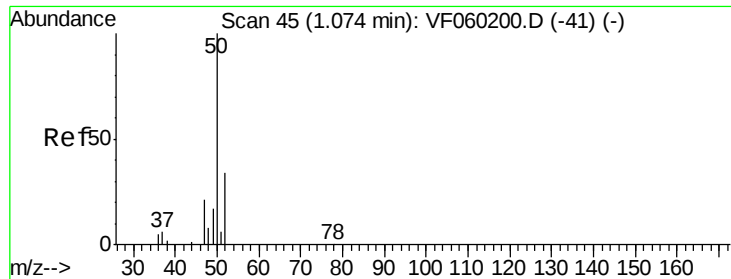
20000

0

0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 51.32 ug/l

RT: 1.07 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

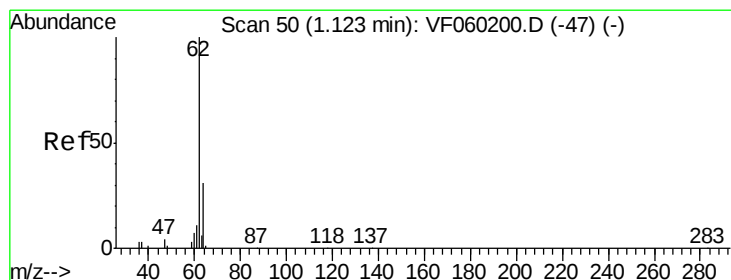
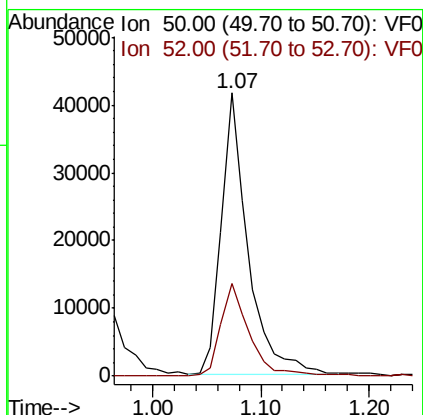
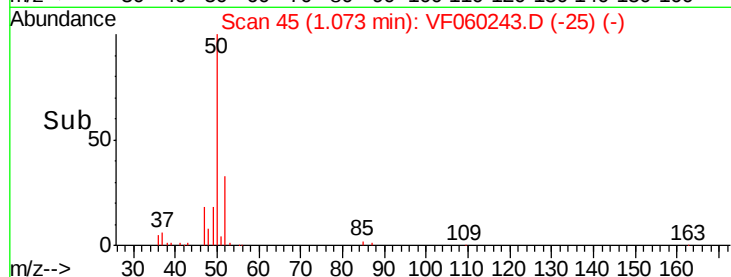
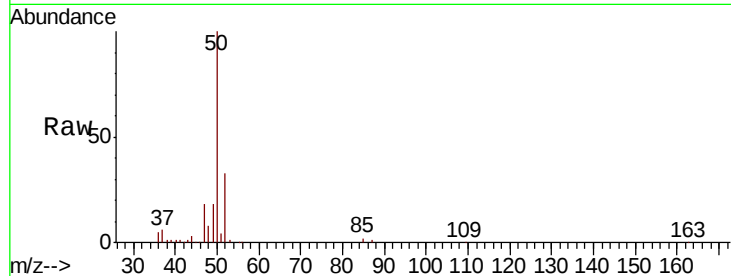
J4803-17MSD

Tot Ion: 50 Resp: 71498

Ion Ratio Lower Upper

50 100

52 32.6 26.9 40.3



#4

Vinyl Chloride

Concen: 64.91 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.00 min

Lab File: VF060243.D

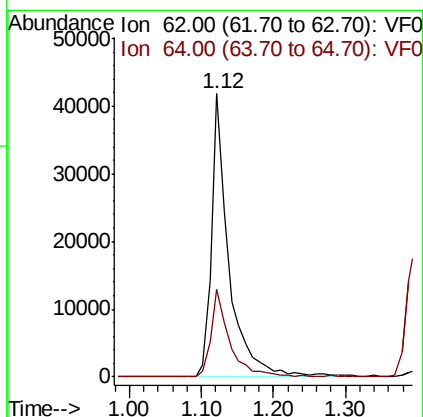
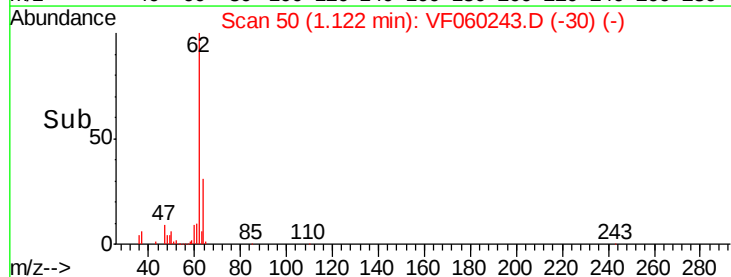
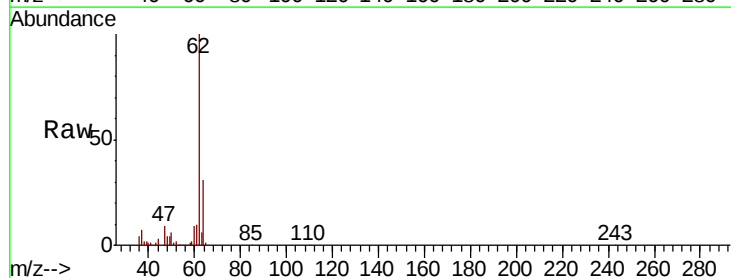
Acq: 10 Sep 2018 19:05

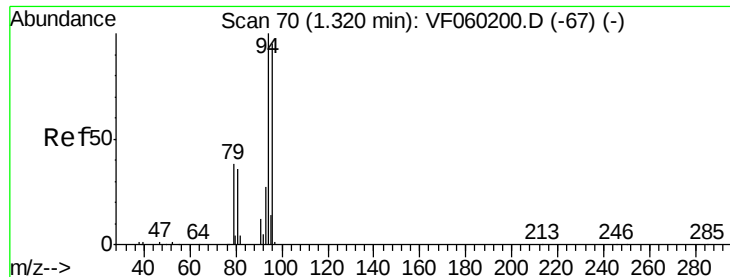
Tgt Ion: 62 Resp: 69699

Ion Ratio Lower Upper

62 100

64 31.0 24.8 37.2





#5

Bromomethane

Concen: 61.54 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

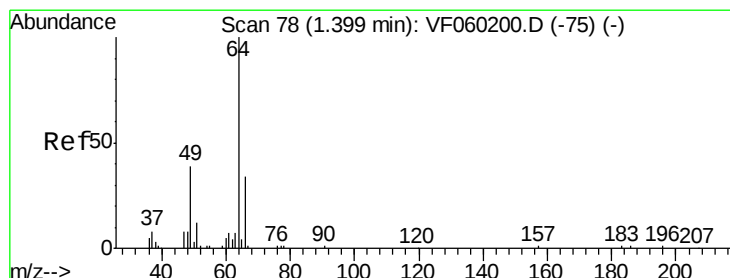
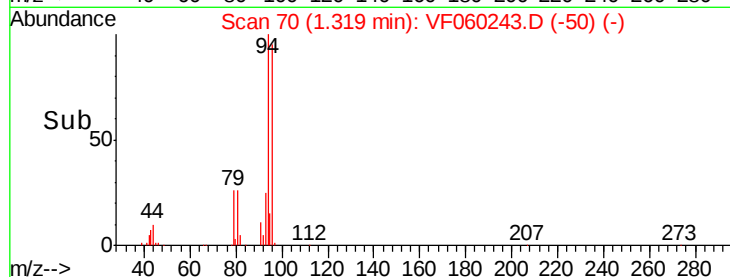
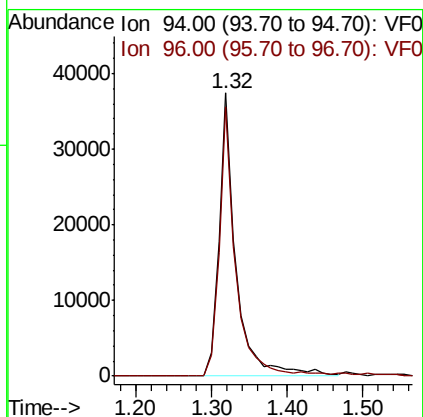
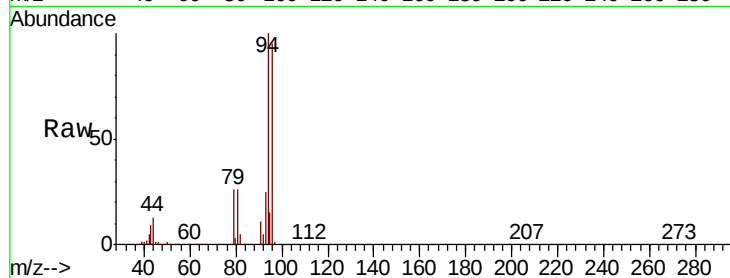
J4803-17MSD

Tot Ion: 94 Resp: 59195

Ion Ratio Lower Upper

94 100

96 95.3 75.8 113.6



#6

Chloroethane

Concen: 59.13 ug/l

RT: 1.40 min Scan# 78

Delta R.T. -0.00 min

Lab File: VF060243.D

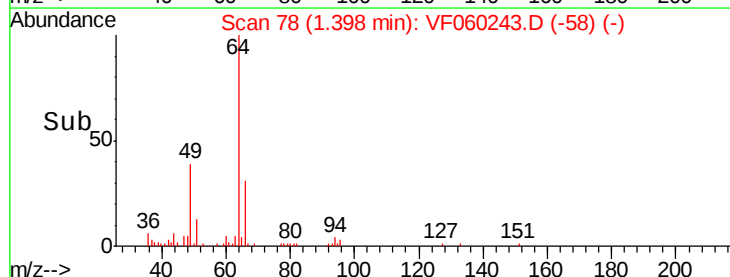
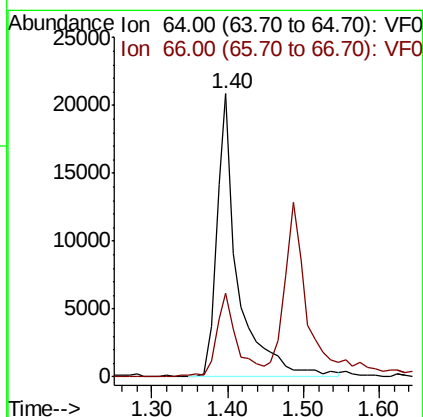
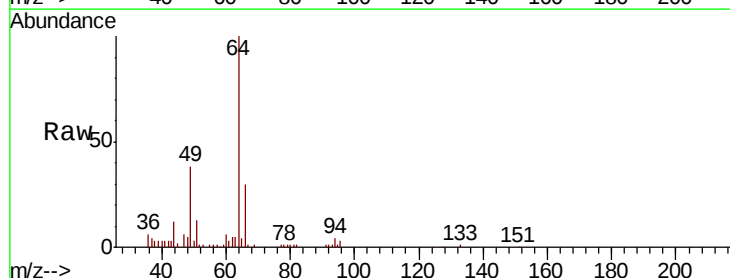
Acq: 10 Sep 2018 19:05

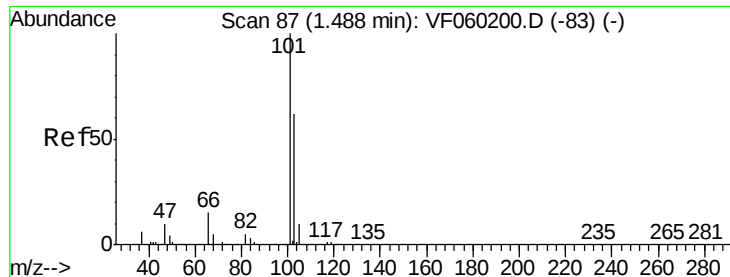
Tgt Ion: 64 Resp: 40668

Ion Ratio Lower Upper

64 100

66 29.8 27.1 40.7





#7

Trichlorofluoromethane

Concen: 59.79 ug/l

RT: 1.49 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF060243.D

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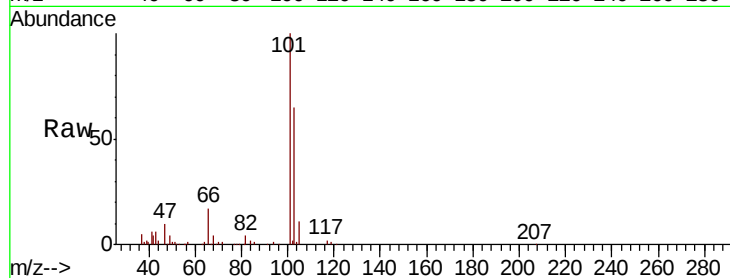
J4803-17MSD

Tot Ion:101 Resp: 179051

Ion Ratio Lower Upper

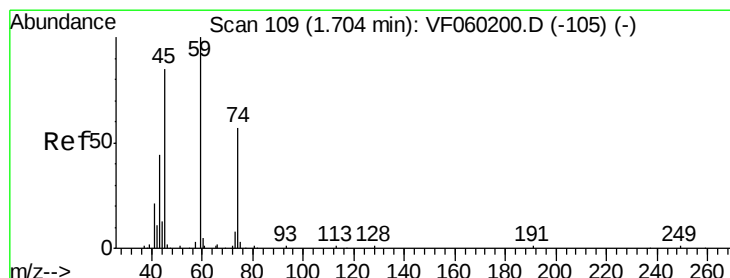
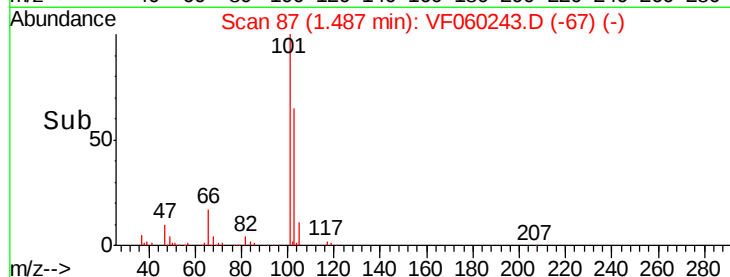
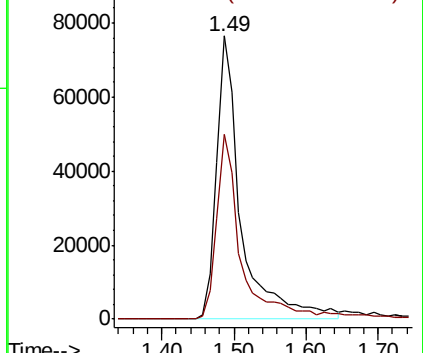
101 100

103 65.3 49.5 74.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 51.80 ug/l

RT: 1.70 min Scan# 109

Delta R.T. -0.00 min

Lab File: VF060243.D

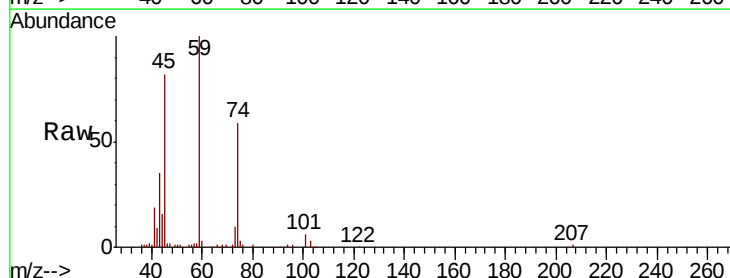
Acq: 10 Sep 2018 19:05

Tgt Ion: 74 Resp: 22937

Ion Ratio Lower Upper

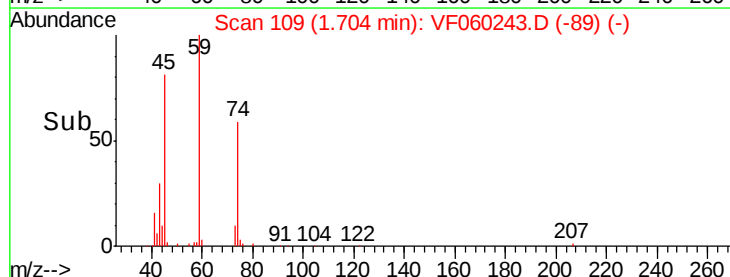
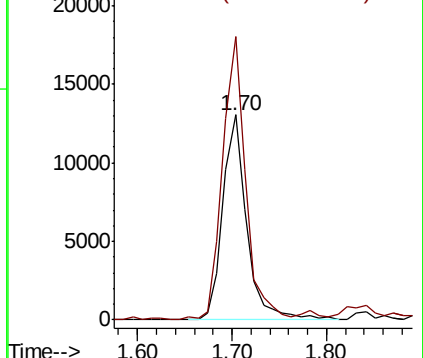
74 100

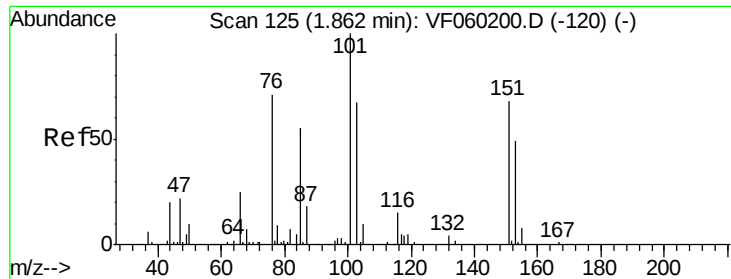
45 138.2 75.3 225.7



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: 53.34 ug/l

RT: 1.86 min Scan# 125

Delta R.T. -0.00 min

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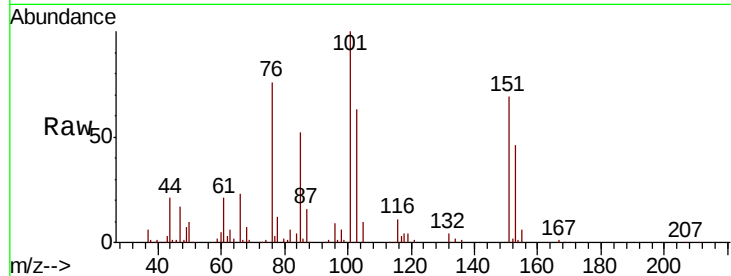
Tot Ion:101 Resp: 78106

Ion Ratio Lower Upper

101 100

85 52.1 43.0 64.4

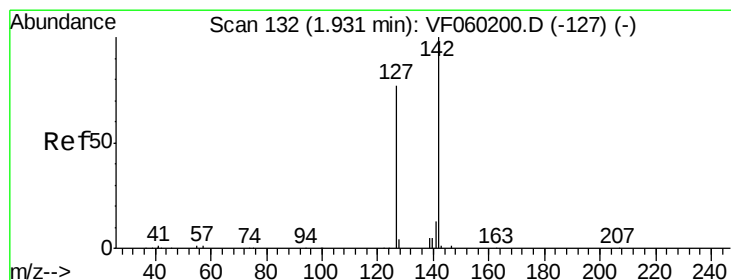
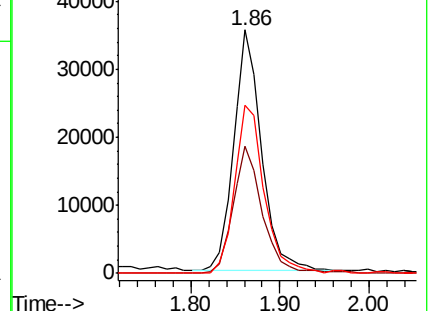
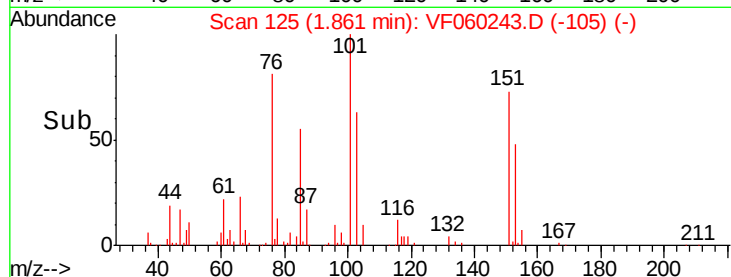
151 69.1 53.6 80.4



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: 52.16 ug/l

RT: 1.93 min Scan# 132

Delta R.T. -0.00 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

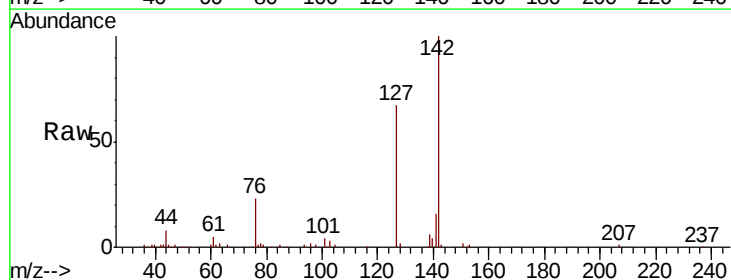
Tgt Ion:142 Resp: 68800

Ion Ratio Lower Upper

142 100

127 67.3 61.1 91.7

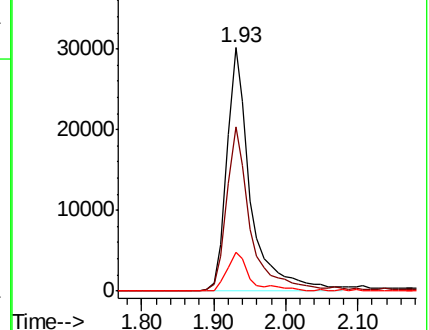
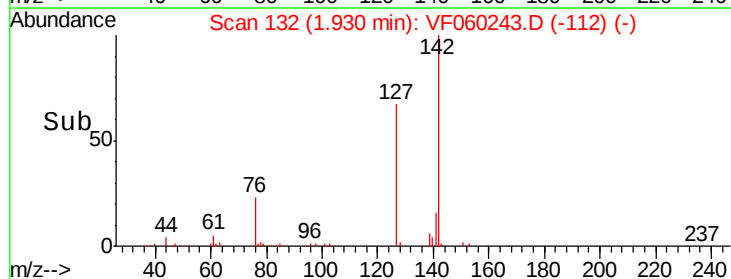
141 16.2 10.6 15.8#

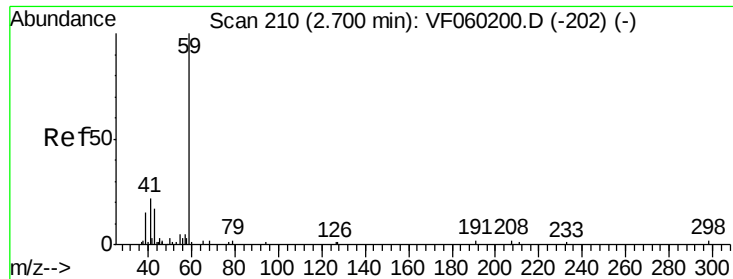


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

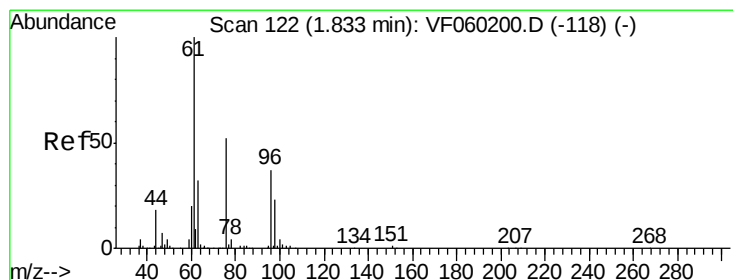
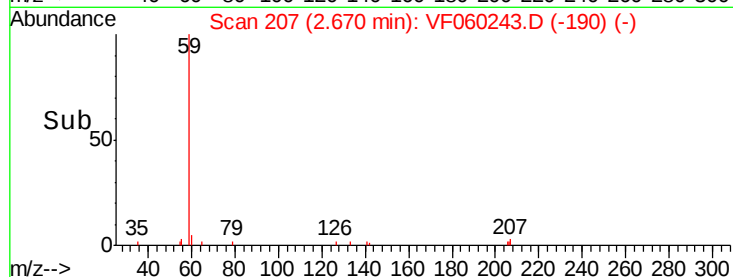
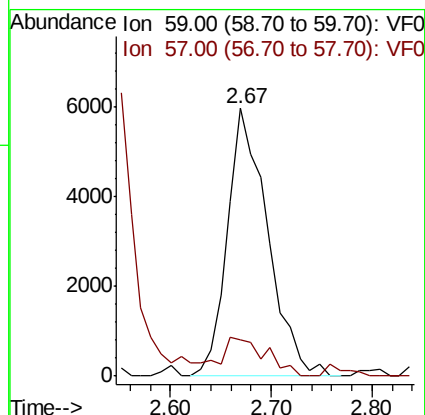
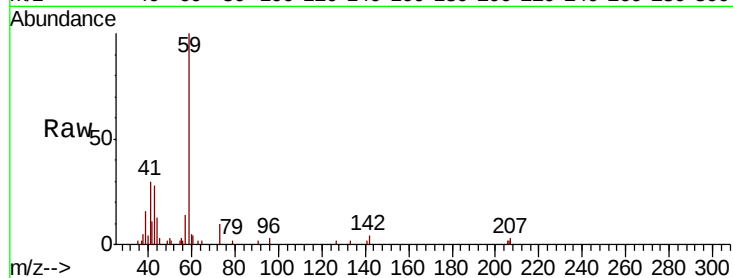




#11
Tert butyl alcohol
Concen: 134.93 ug/l
RT: 2.67 min Scan# 207
Delta R.T. -0.03 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

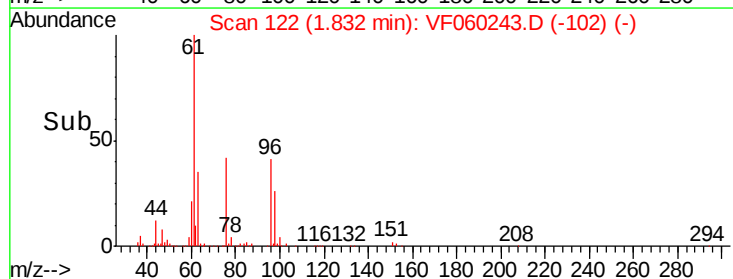
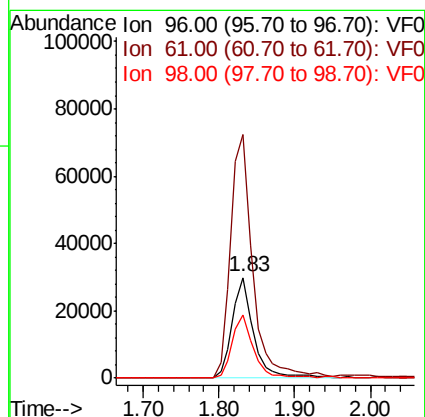
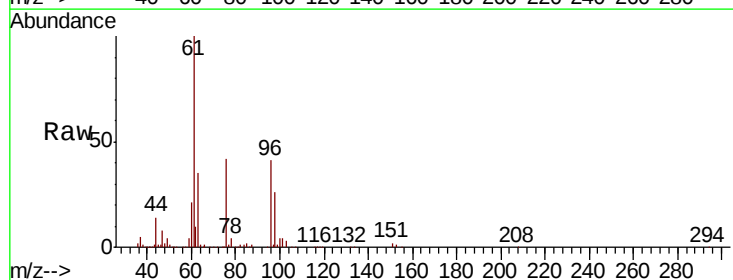
Instrument :
MSVOA_F
ClientSampleId :
J4803-17MSD

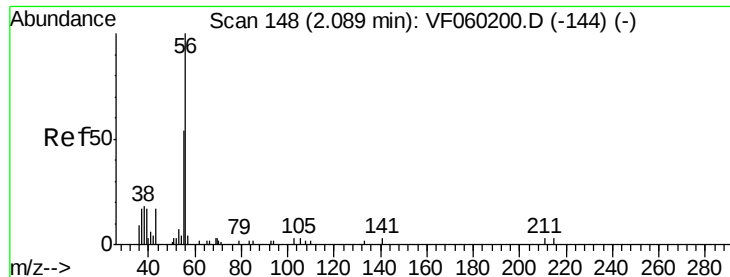
Tot Ion: 59 Resp: 16553
Ion Ratio Lower Upper
59 100
57 13.7 7.2 10.8#



#12
1,1-Dichloroethene
Concen: 59.07 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.00 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Tgt Ion: 96 Resp: 58849
Ion Ratio Lower Upper
96 100
61 242.0 214.6 321.8
98 62.7 50.7 76.1





#13

Acrolein

Concen: 240.32 ug/l

RT: 2.09 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

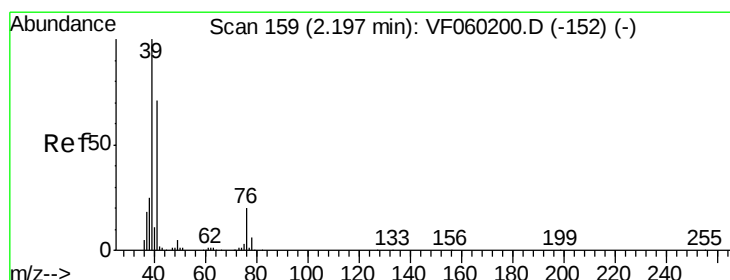
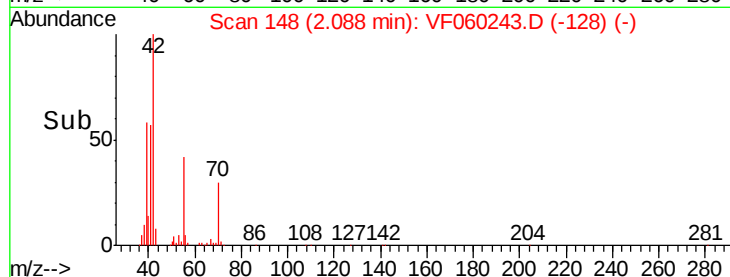
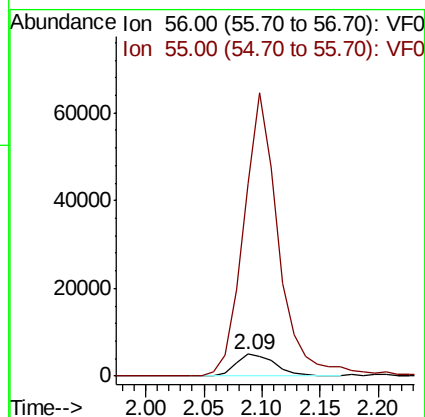
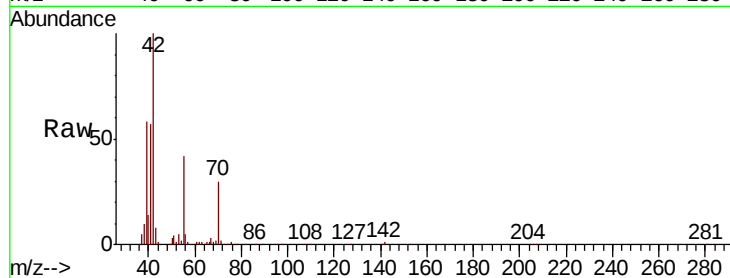
J4803-17MSD

Tot Ion: 56 Resp: 12129

Ion Ratio Lower Upper

56 100

55 887.5 45.1 67.7#



#14

Allyl chloride

Concen: 68.66 ug/l

RT: 2.19 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

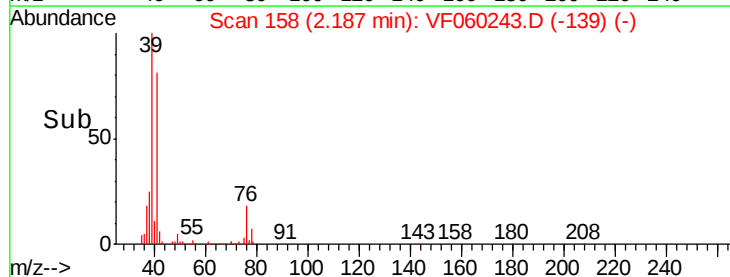
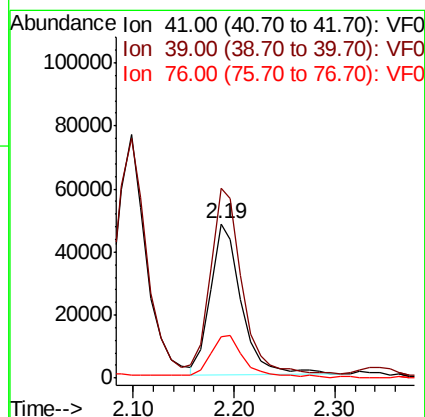
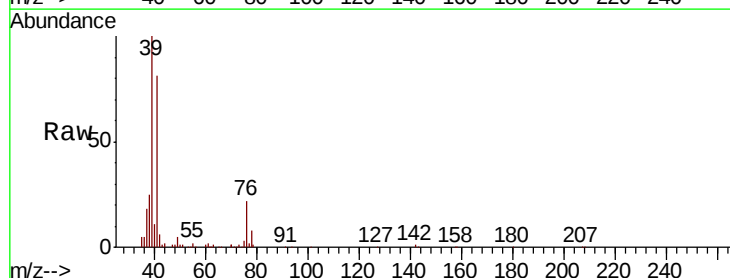
Tgt Ion: 41 Resp: 102595

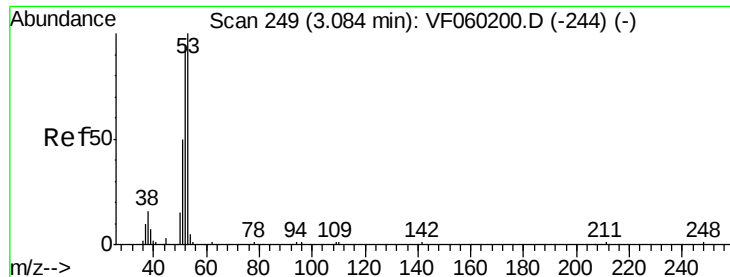
Ion Ratio Lower Upper

41 100

39 123.5 112.2 168.2

76 27.1 23.2 34.8





#15

Acrylonitrile

Concen: 257.80 ug/l

RT: 3.07 min Scan# 248

Delta R.T. -0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MSD

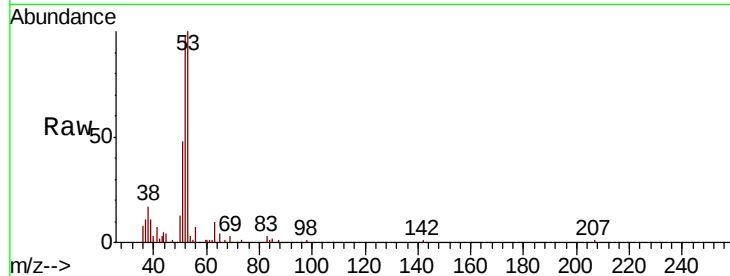
Tot Ion: 53 Resp: 47460

Ion Ratio Lower Upper

53 100

52 97.5 75.0 112.6

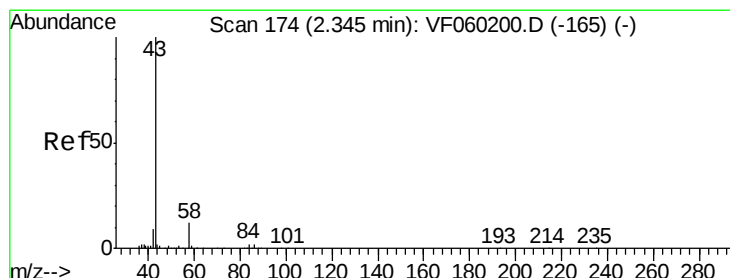
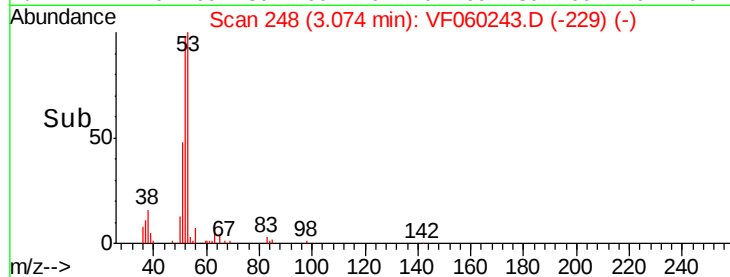
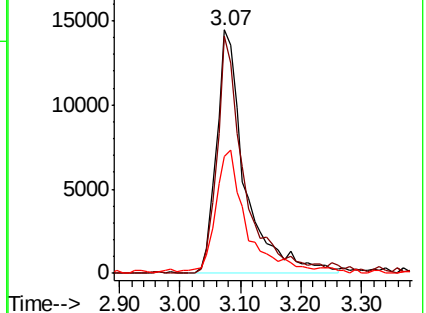
51 48.0 39.9 59.9



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 256.38 ug/l

RT: 2.33 min Scan# 173

Delta R.T. -0.01 min

Lab File: VF060243.D

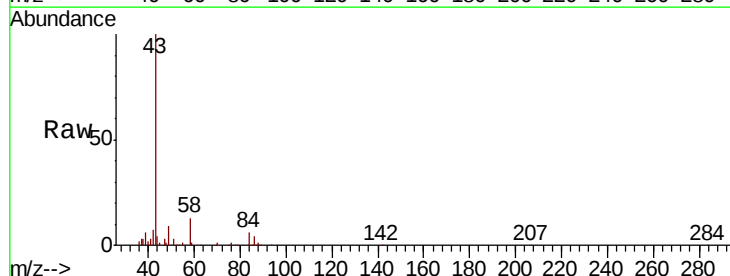
Acq: 10 Sep 2018 19:05

Tgt Ion: 43 Resp: 148963

Ion Ratio Lower Upper

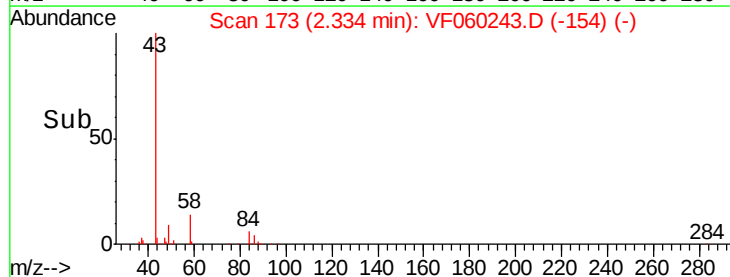
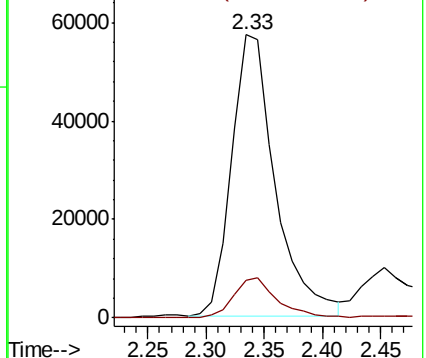
43 100

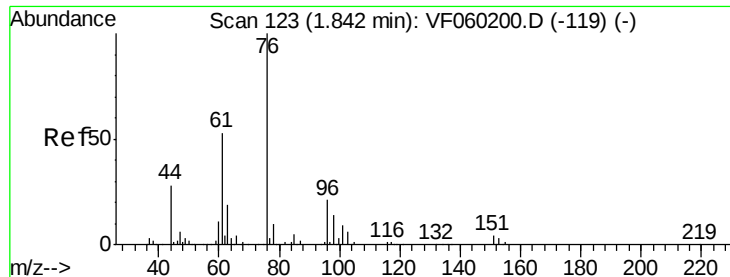
58 13.5 9.7 14.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

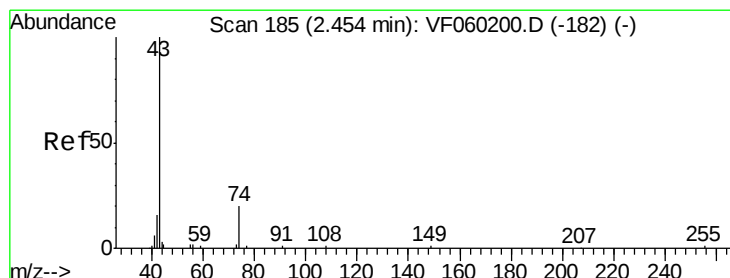
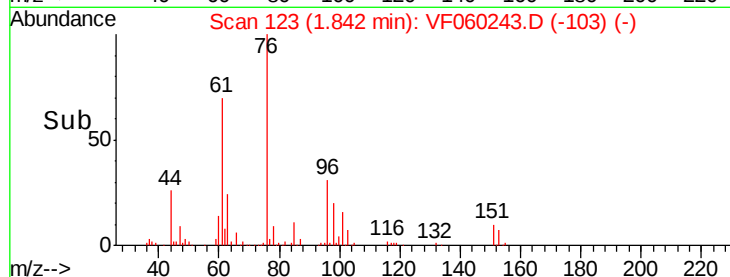
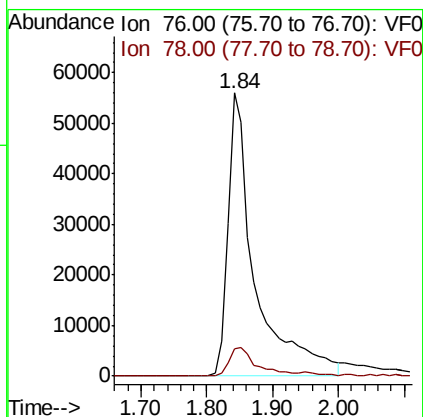
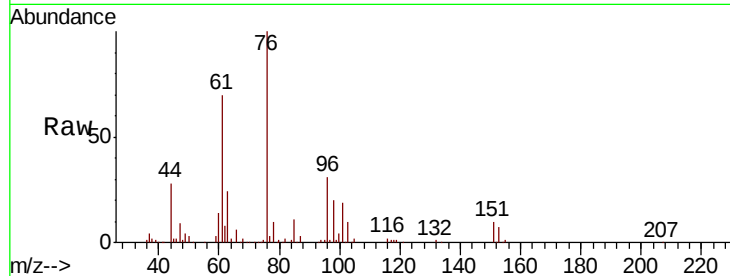




#17
Carbon Disulfide
Concen: 55.47 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.00 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

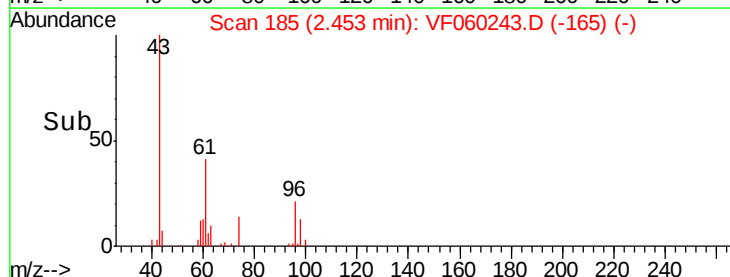
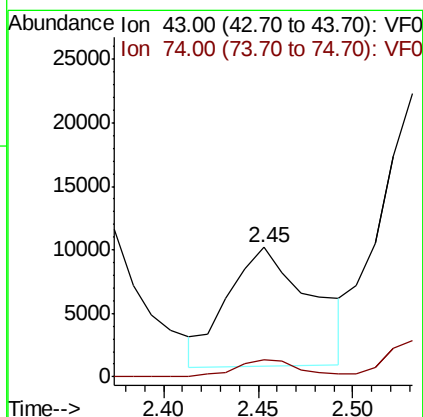
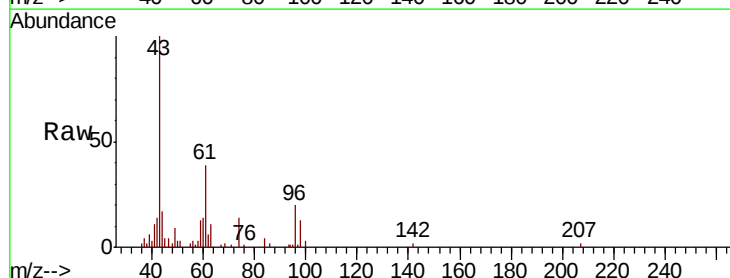
Instrument :
MSVOA_F
ClientSampleId :
J4803-17MSD

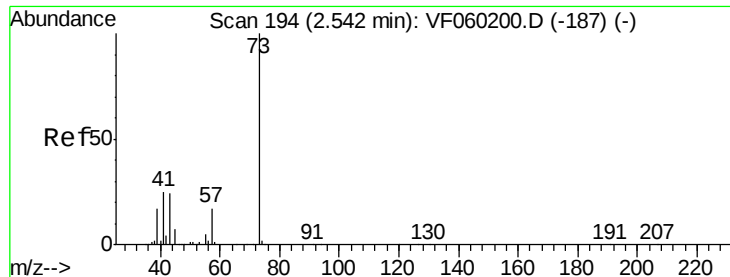
Tot Ion: 76 Resp: 161061
Ion Ratio Lower Upper
76 100
78 9.8 8.5 12.7



#18
Methyl Acetate
Concen: 35.26 ug/l
RT: 2.45 min Scan# 185
Delta R.T. -0.00 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Tgt Ion: 43 Resp: 28851
Ion Ratio Lower Upper
43 100
74 13.5 11.9 17.9



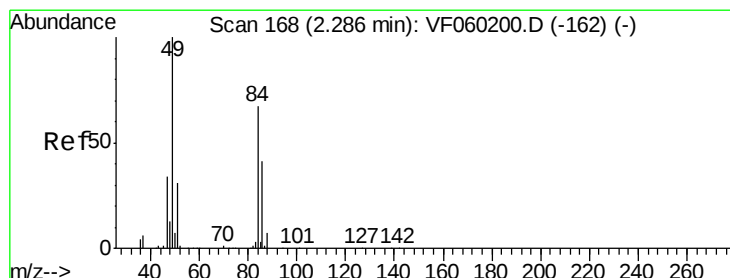
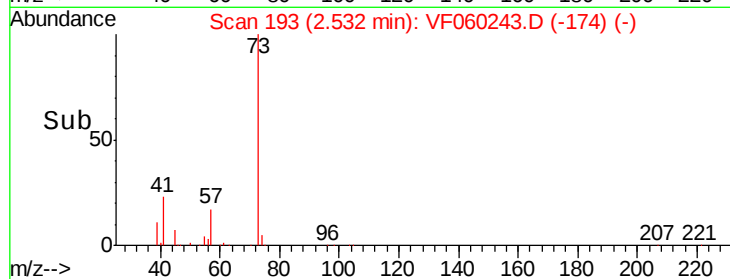
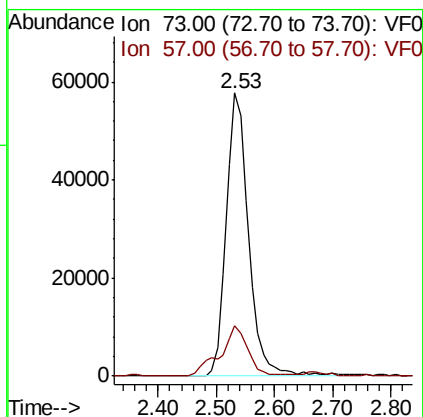
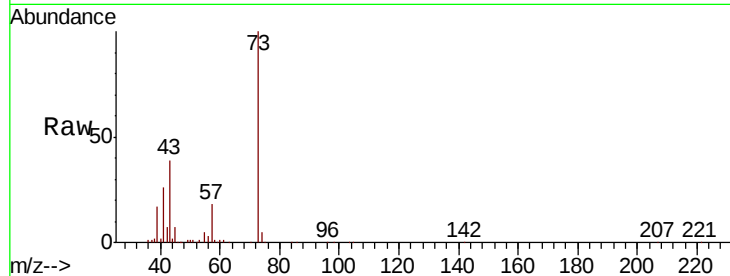


#19

Methyl tert-butyl Ether
 Concen: 46.71 ug/l
 RT: 2.53 min Scan# 193
 Delta R.T. -0.01 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

Instrument :
 MSVOA_F
 ClientSampleId :
 J4803-17MSD

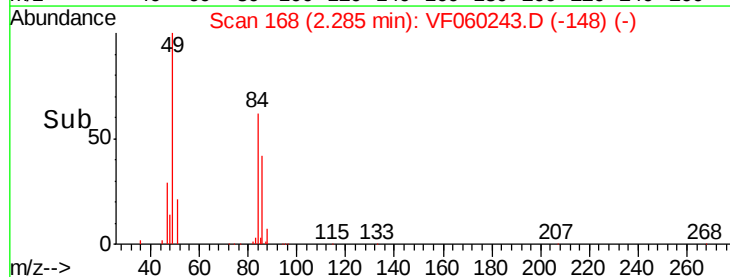
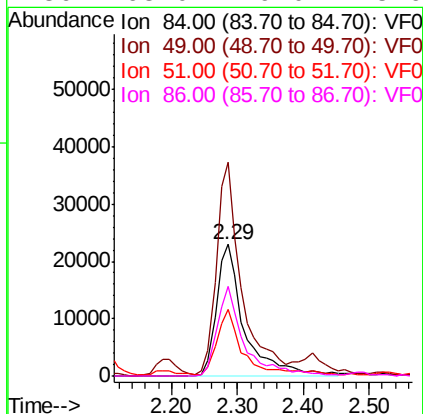
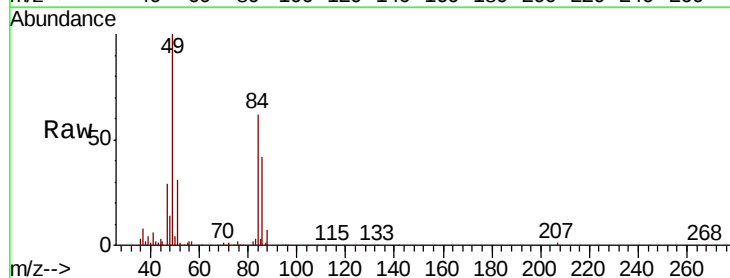
Tot Ion: 73 Resp: 153967
 Ion Ratio Lower Upper
 73 100
 57 17.7 14.3 21.5

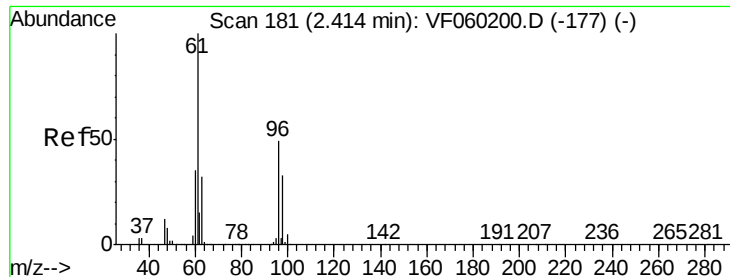


#20

Methylene Chloride
 Concen: 58.62 ug/l
 RT: 2.29 min Scan# 168
 Delta R.T. -0.00 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

Tgt Ion: 84 Resp: 67547
 Ion Ratio Lower Upper
 84 100
 49 162.3 120.1 180.1
 51 50.8 37.0 55.6
 86 68.0 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 57.58 ug/l

RT: 2.41 min Scan# 181

Delta R.T. -0.00 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MSD

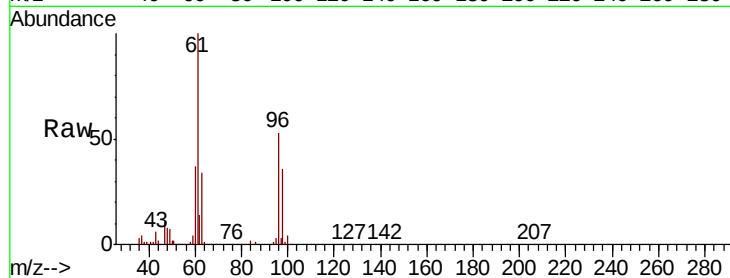
Tot Ion: 96 Resp: 58701

Ion Ratio Lower Upper

96 100

61 189.0 163.1 244.7

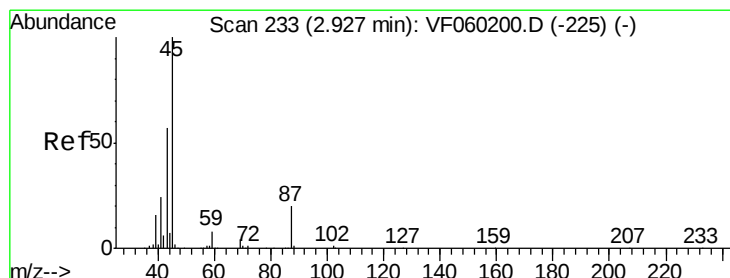
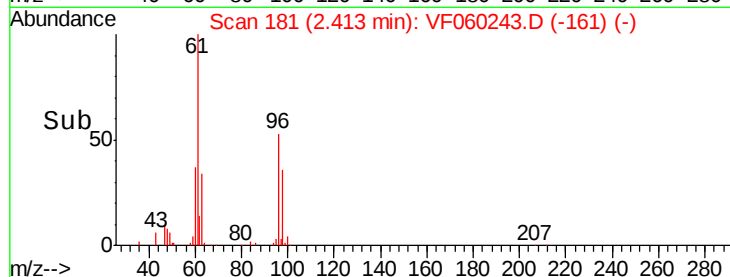
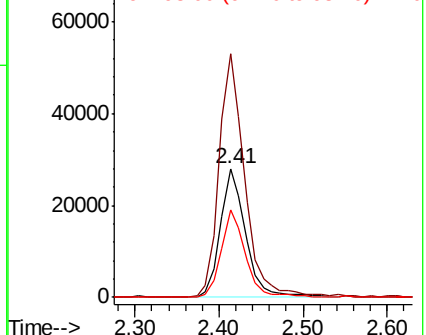
98 67.4 54.1 81.1



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 53.82 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.00 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Tgt Ion: 45 Resp: 201530

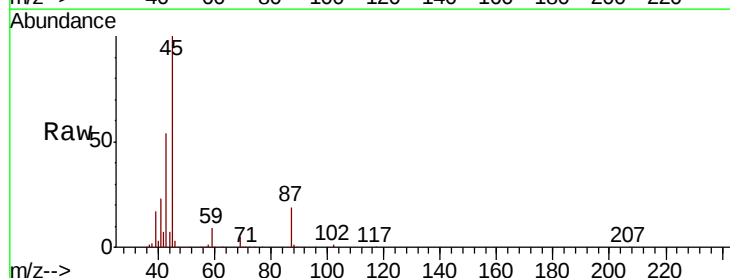
Ion Ratio Lower Upper

45 100

43 53.8 46.2 69.4

87 19.3 16.1 24.1

59 9.0 6.5 9.7

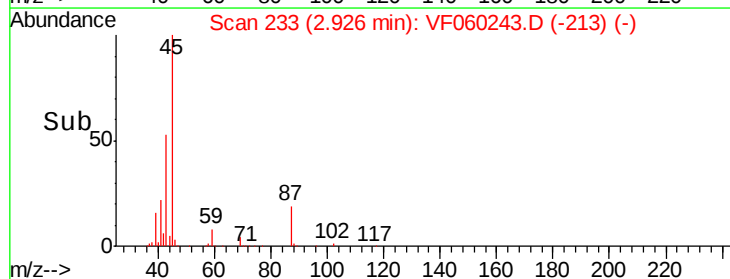
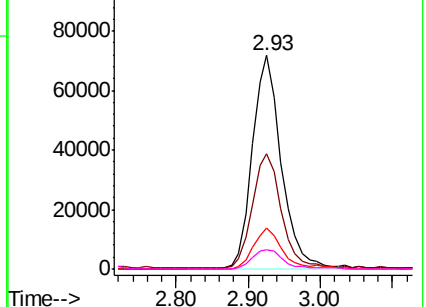


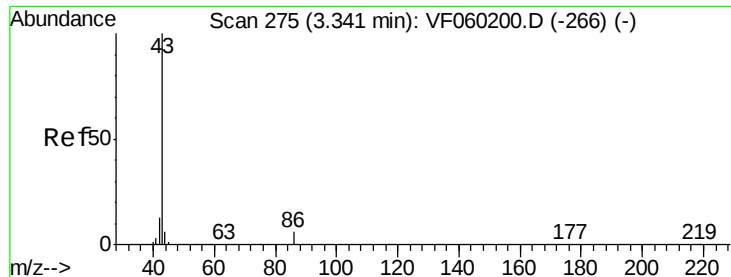
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 22.90 ug/l

RT: 3.37 min Scan# 278

Delta R.T. 0.03 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

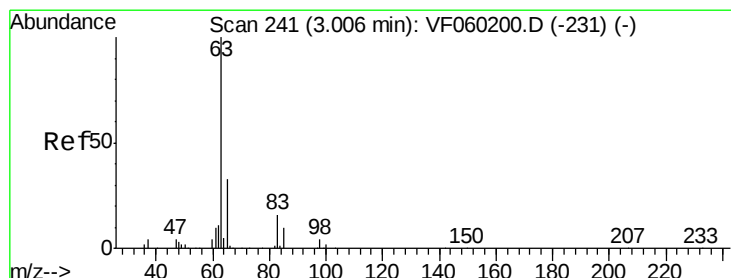
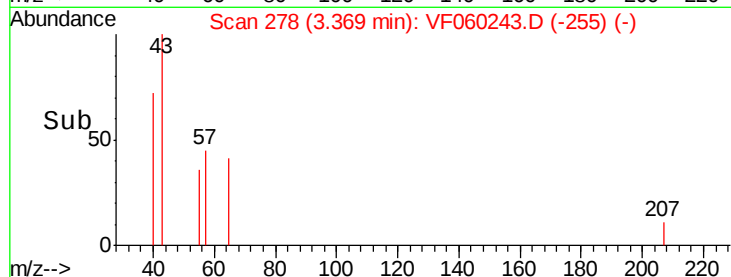
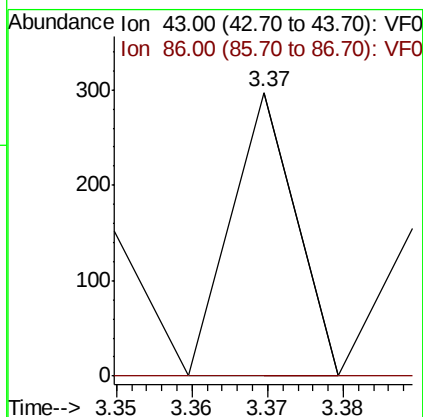
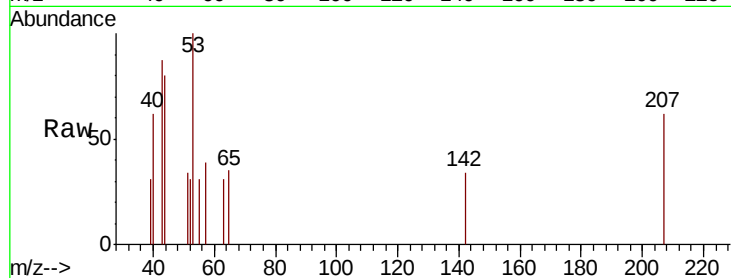
J4803-17MSD

Tot Ion: 43 Resp: 176

Ion Ratio Lower Upper

43 100

86 0.0 4.8 7.2#



#24

1,1-Dichloroethane

Concen: 60.14 ug/l

RT: 3.00 min Scan# 241

Delta R.T. -0.00 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

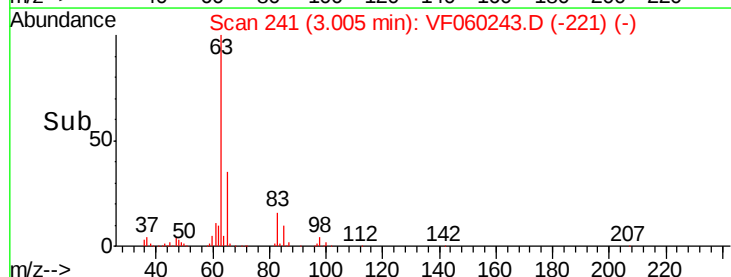
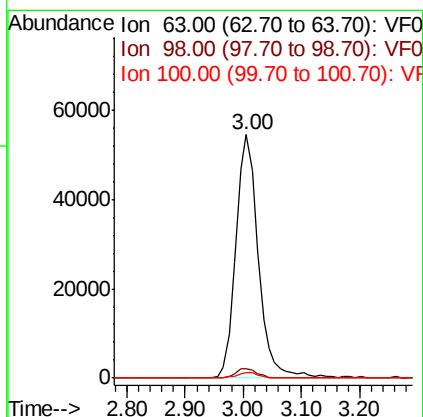
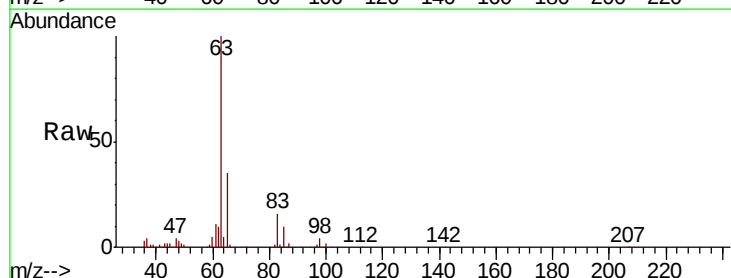
Tgt Ion: 63 Resp: 146476

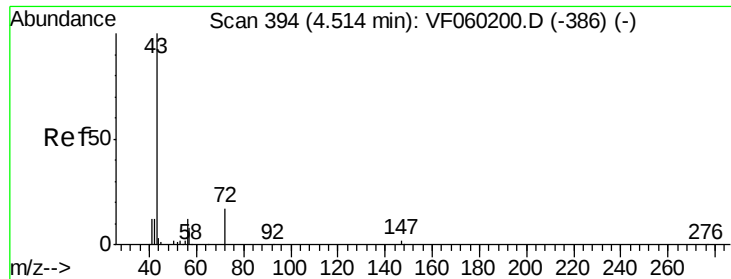
Ion Ratio Lower Upper

63 100

98 3.8 1.9 5.7

100 2.3 1.1 3.1





#25

2-Butanone

Concen: 220.20 ug/l

RT: 4.51 min Scan# 394

Delta R.T. -0.00 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

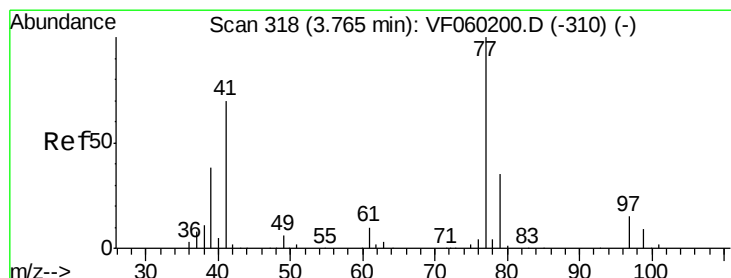
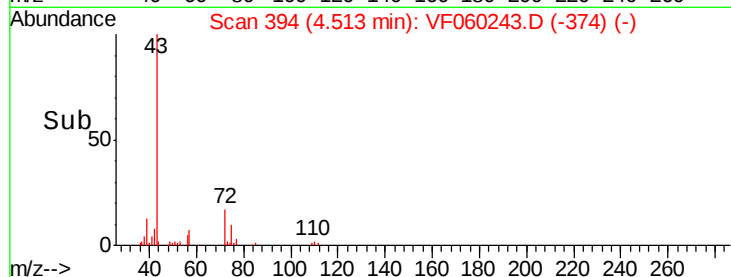
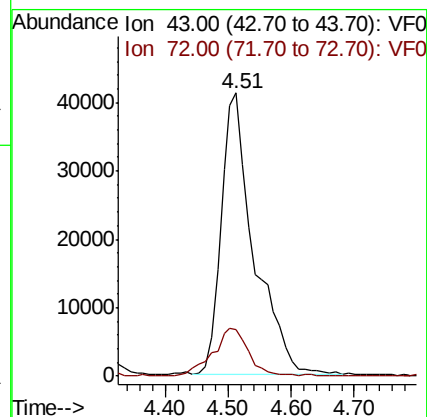
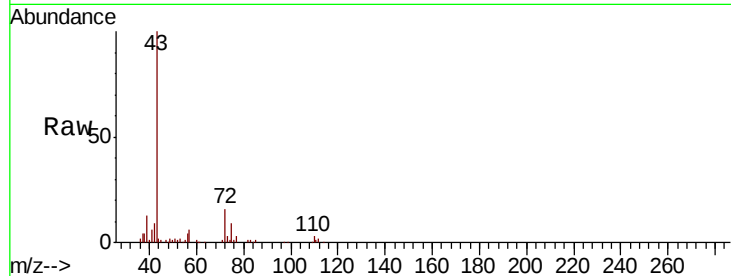
J4803-17MSD

Tot Ion: 43 Resp: 149866

Ion Ratio Lower Upper

43 100

72 16.4 14.8 22.2



#26

2,2-Dichloropropane

Concen: 43.64 ug/l

RT: 3.76 min Scan# 318

Delta R.T. -0.00 min

Lab File: VF060243.D

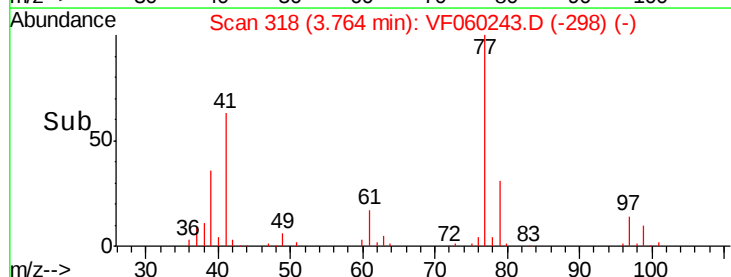
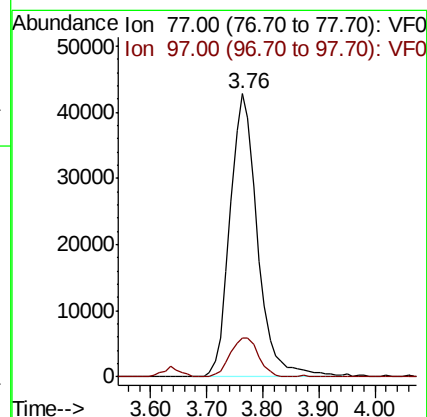
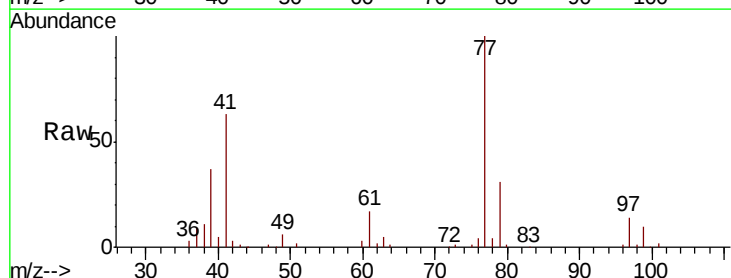
Acq: 10 Sep 2018 19:05

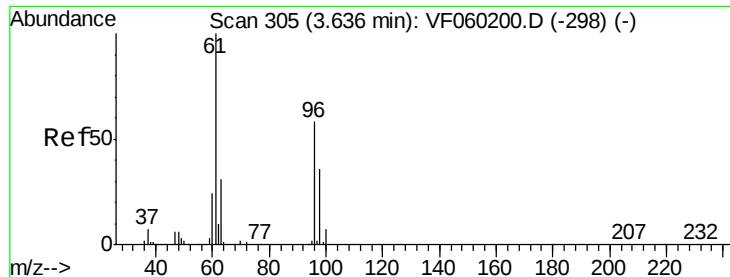
Tgt Ion: 77 Resp: 146632

Ion Ratio Lower Upper

77 100

97 13.8 7.5 22.5





#27

cis-1,2-Dichloroethene

Concen: 59.49 ug/l

RT: 3.64 min Scan# 305

Delta R.T. -0.00 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

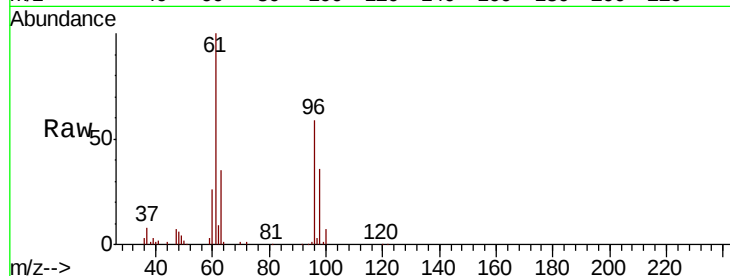
MSVOA_F

ClientSampleId :

J4803-17MSD

Tot Ion: 96 Resp: 79157

Ion	Ratio	Lower	Upper
96	100		
61	168.3	0.0	345.2
98	60.9	0.0	124.6

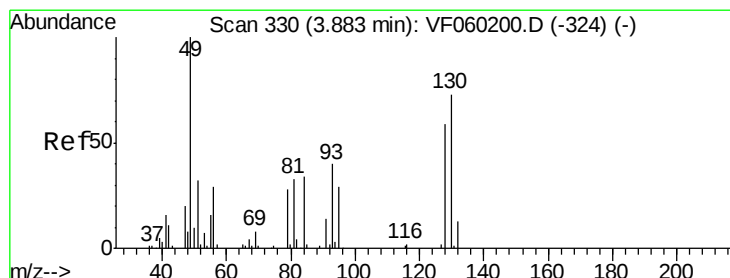
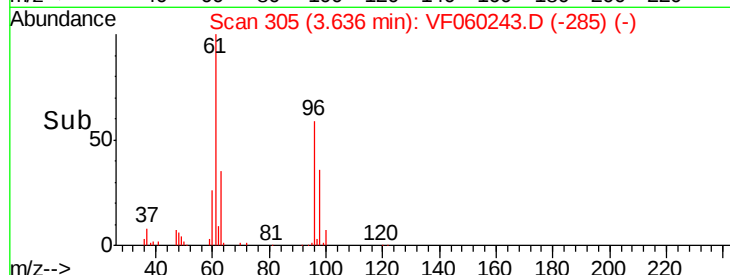
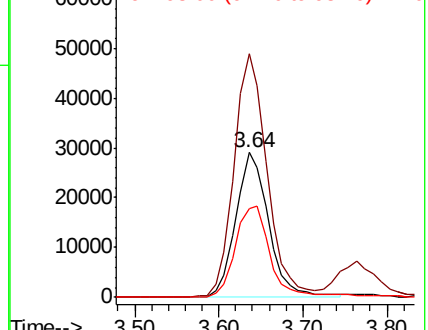


Abundance

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: 51.05 ug/l

RT: 3.89 min Scan# 331

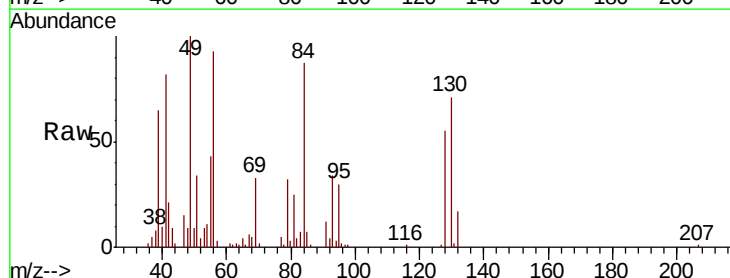
Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Tgt Ion: 49 Resp: 42345

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	70.9	57.8	86.6

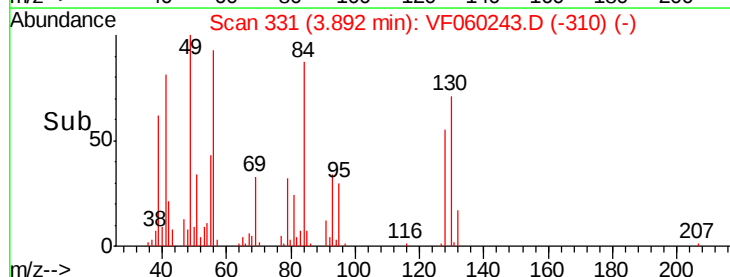
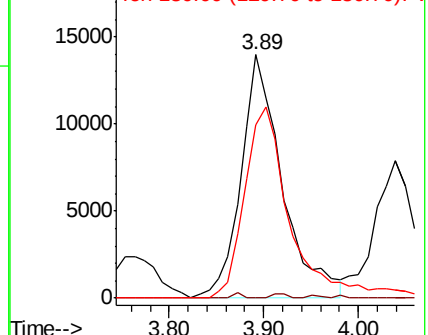


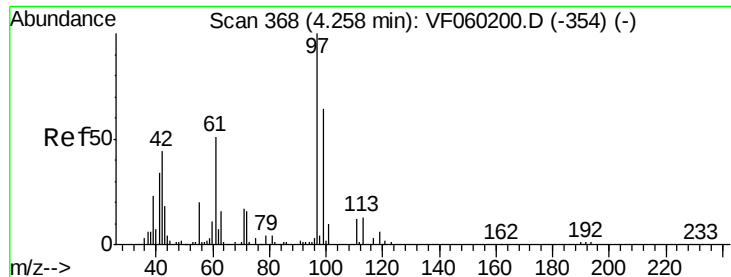
Abundance

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: 194.70 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MSD

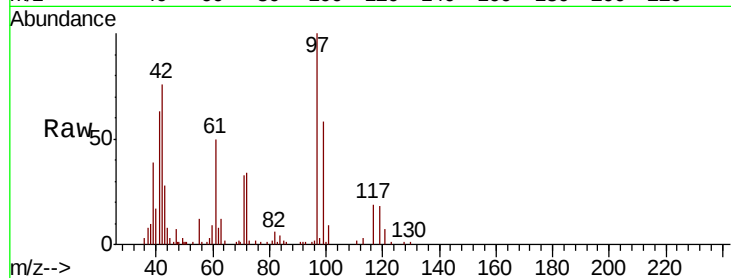
Tot Ion: 42 Resp: 43807

Ion Ratio Lower Upper

42 100

72 38.6 27.4 41.0

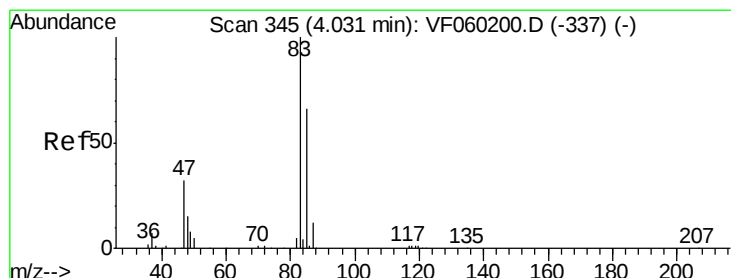
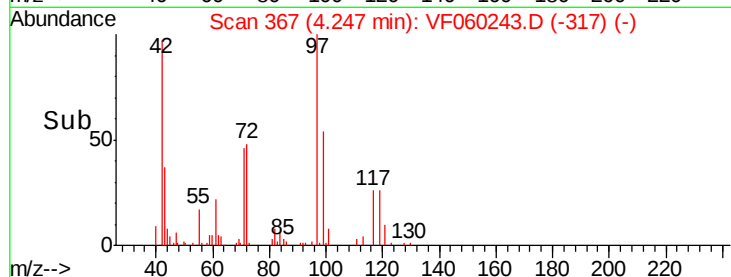
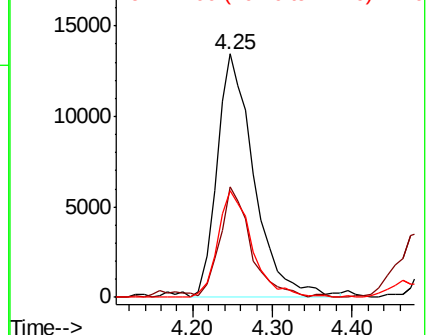
71 40.6 28.5 42.7



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 55.44 ug/l

RT: 4.04 min Scan# 346

Delta R.T. 0.01 min

Lab File: VF060243.D

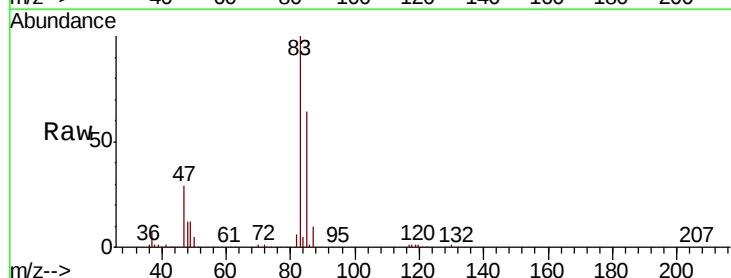
Acq: 10 Sep 2018 19:05

Tgt Ion: 83 Resp: 197827

Ion Ratio Lower Upper

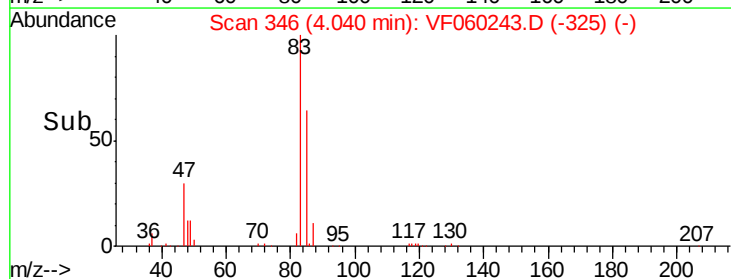
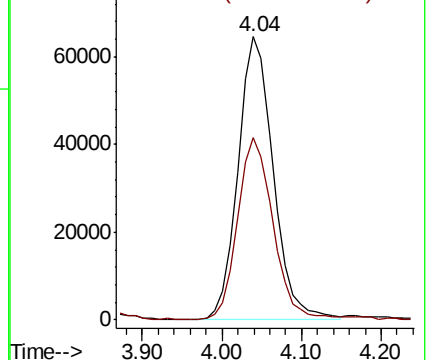
83 100

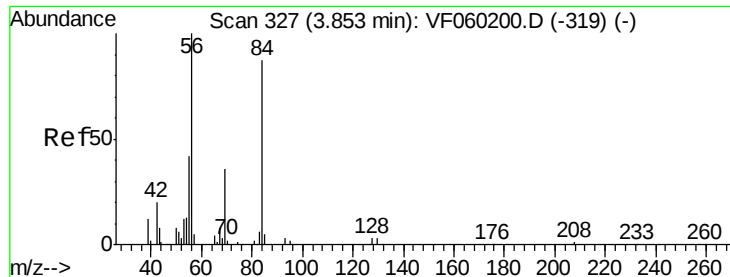
85 64.2 52.6 79.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

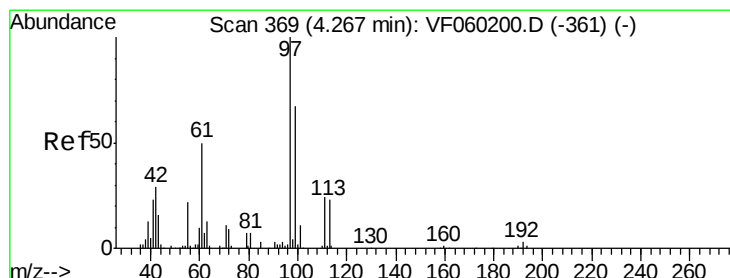
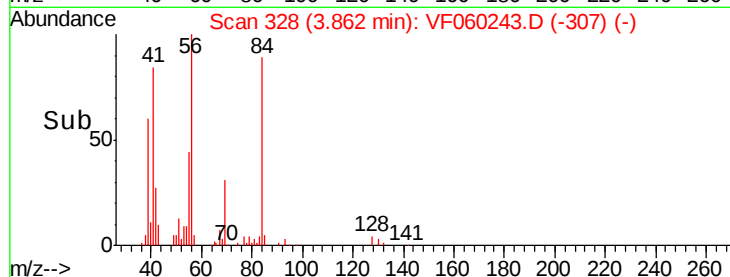
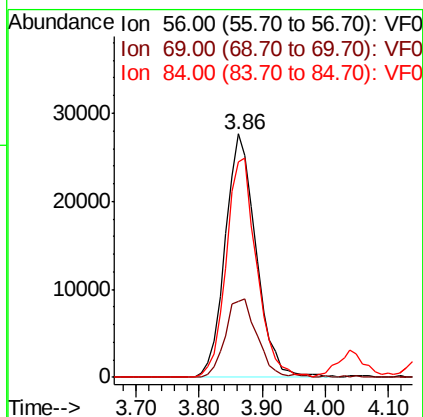
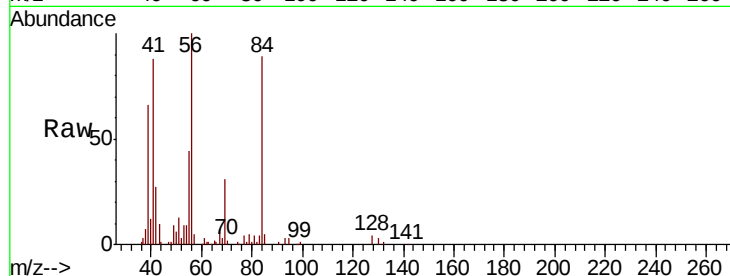




#31
Cyclohexane
Concen: 56.23 ug/l
RT: 3.86 min Scan# 328
Delta R.T. 0.01 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

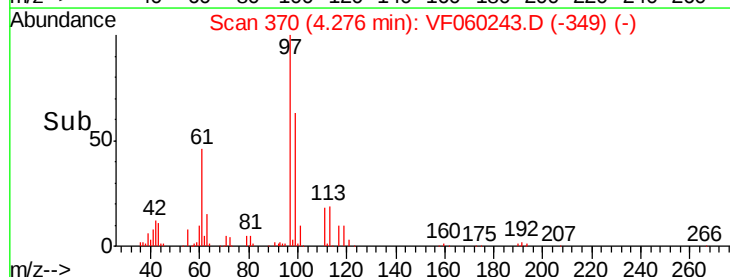
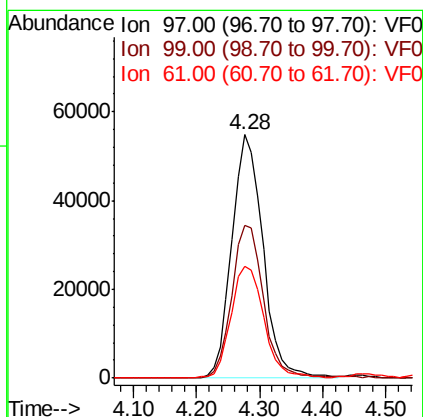
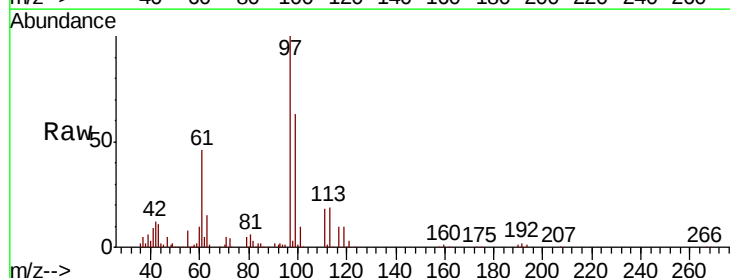
Instrument :
MSVOA_F
ClientSampleId :
J4803-17MSD

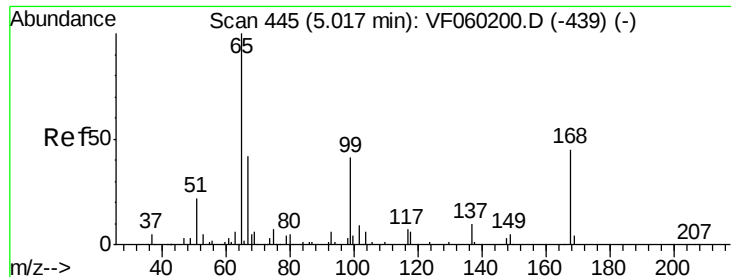
Tot Ion: 56 Resp: 93696
Ion Ratio Lower Upper
56 100
69 31.2 28.7 43.1
84 88.7 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 52.80 ug/l
RT: 4.28 min Scan# 370
Delta R.T. 0.01 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Tgt Ion: 97 Resp: 187691
Ion Ratio Lower Upper
97 100
99 63.0 53.5 80.3
61 45.8 40.4 60.6





#33

1,2-Dichloroethane-d4

Concen: 49.40 ug/l

RT: 5.03 min Scan# 446

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

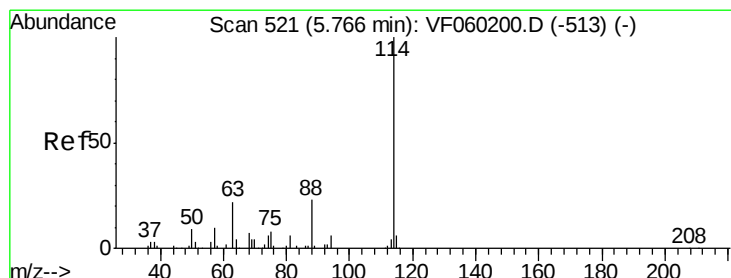
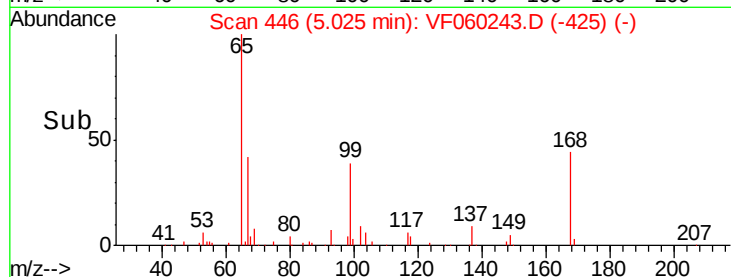
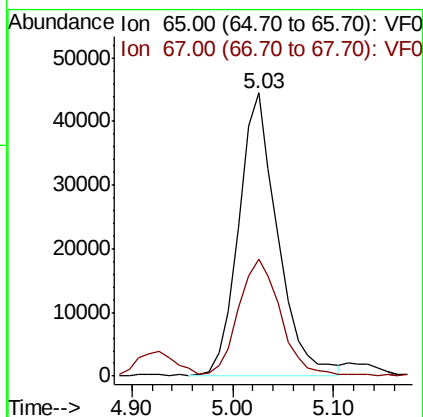
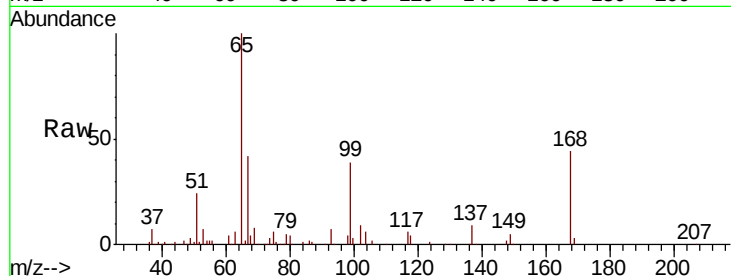
J4803-17MSD

Tot Ion: 65 Resp: 119623

Ion Ratio Lower Upper

65 100

67 41.5 0.0 87.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 522

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

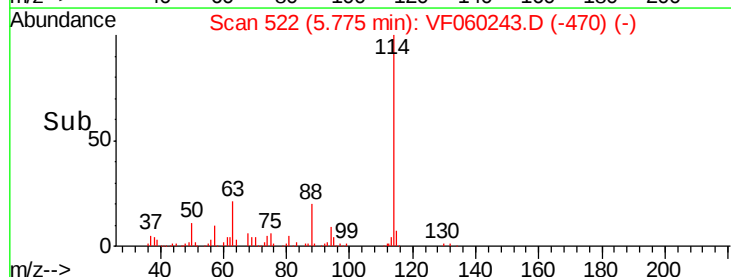
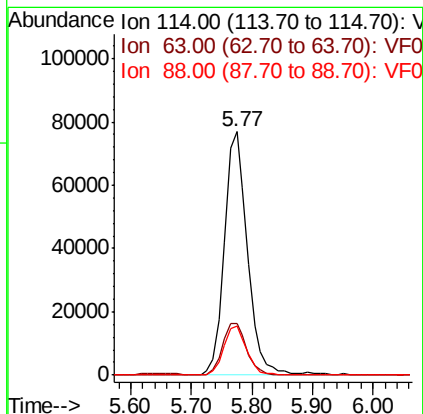
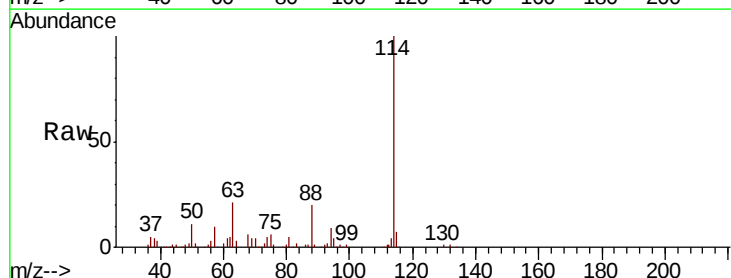
Tgt Ion: 114 Resp: 203419

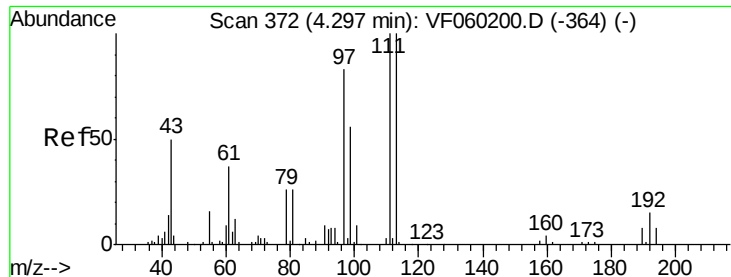
Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.6

88 20.2 0.0 46.4





#35

Dibromofluoromethane

Concen: 29.34 ug/l

RT: 4.30 min Scan# 372

Delta R.T. -0.00 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MSD

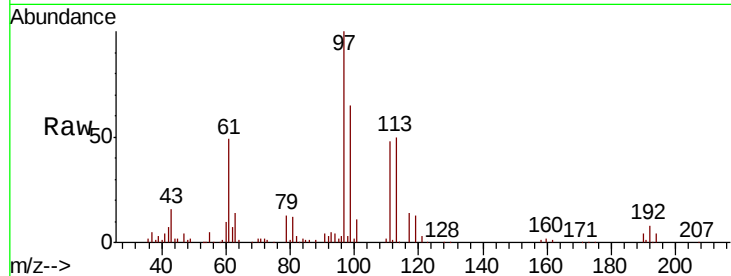
Tot Ion:113 Resp: 58473

Ion Ratio Lower Upper

113 100

111 95.8 80.2 120.2

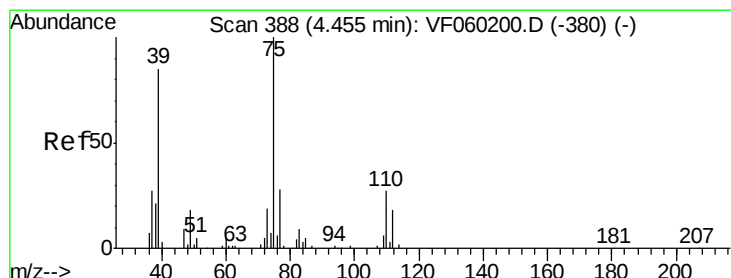
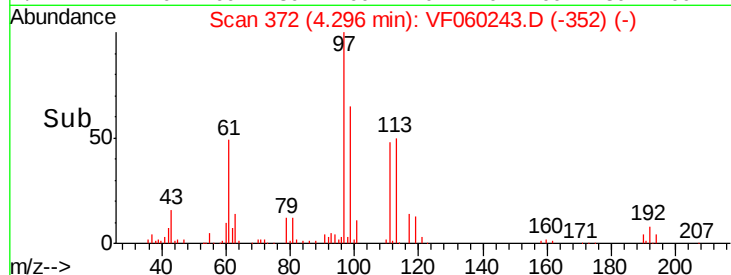
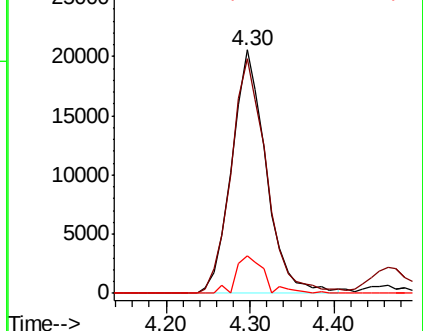
192 15.3 11.8 17.8



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 54.15 ug/l

RT: 4.46 min Scan# 389

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

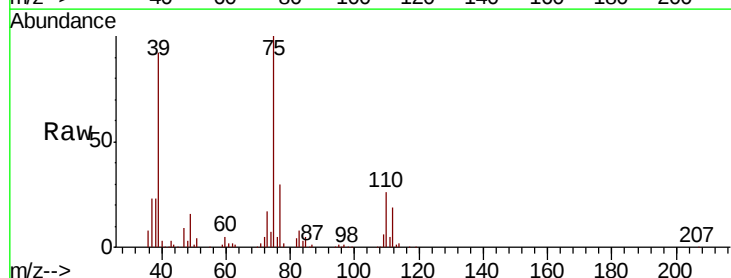
Tgt Ion: 75 Resp: 129650

Ion Ratio Lower Upper

75 100

110 25.6 13.6 40.7

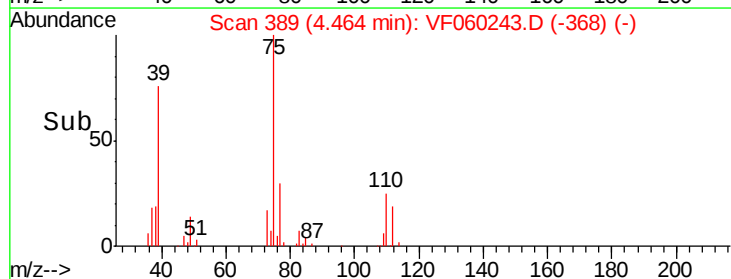
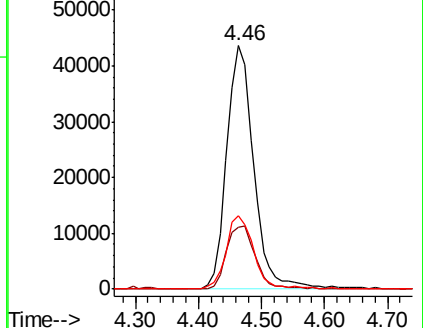
77 30.1 22.7 34.1

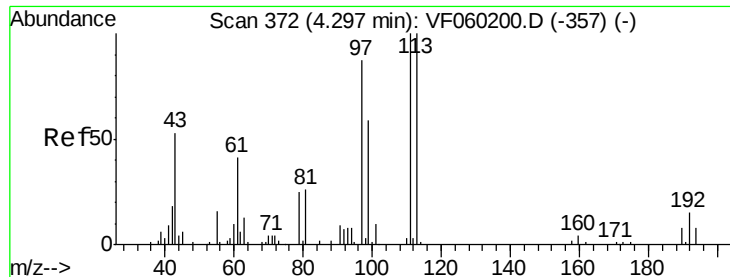


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 23.24 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MSD

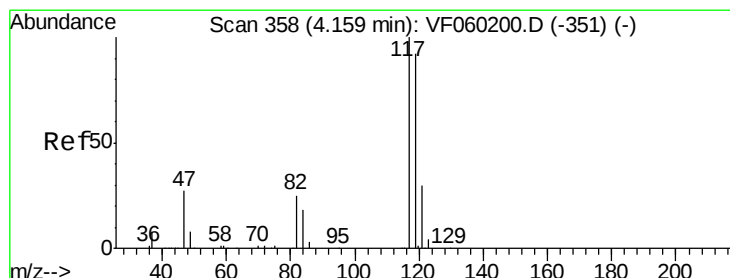
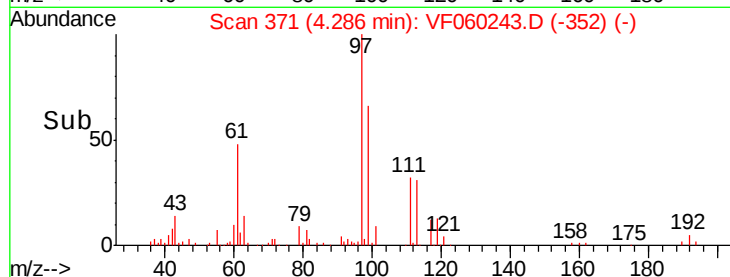
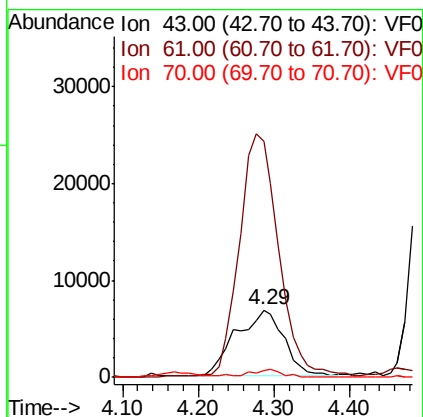
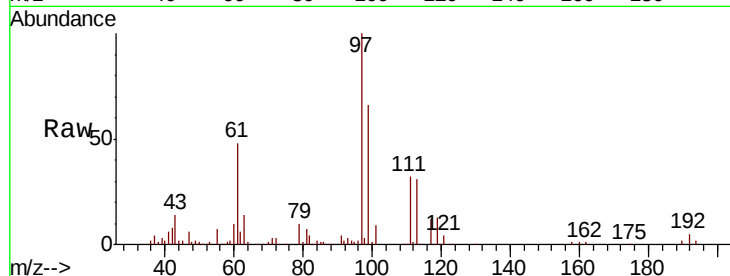
Tot Ion: 43 Resp: 29953

Ion Ratio Lower Upper

43 100

61 348.7 61.6 92.4#

70 10.5 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 48.77 ug/l

RT: 4.18 min Scan# 360

Delta R.T. 0.02 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

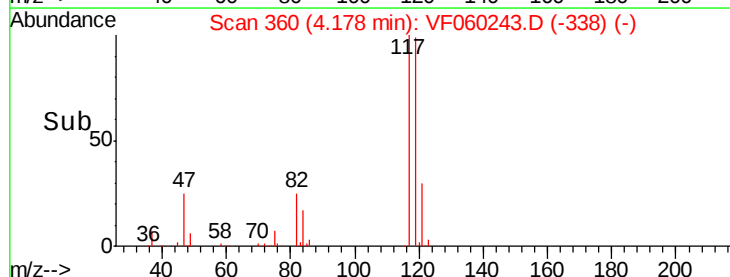
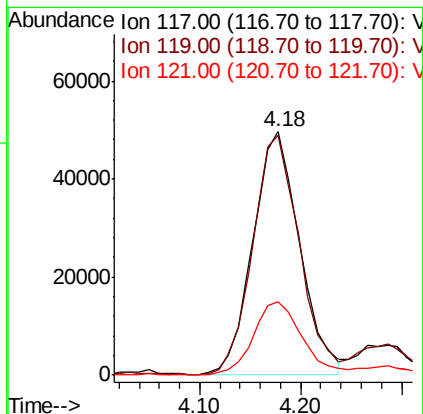
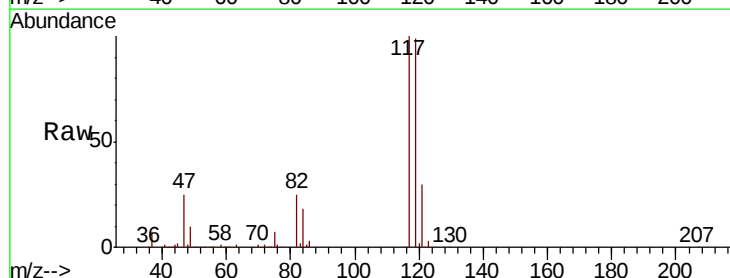
Tgt Ion: 117 Resp: 160535

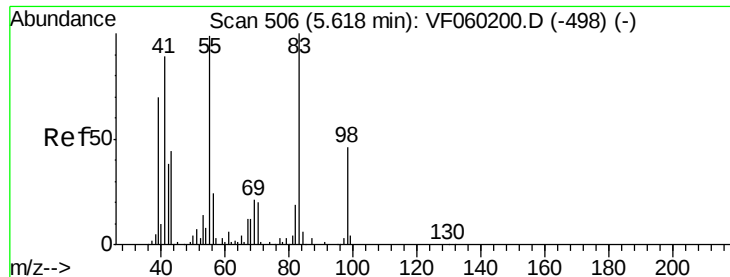
Ion Ratio Lower Upper

117 100

119 98.6 73.0 109.6

121 29.9 23.9 35.9

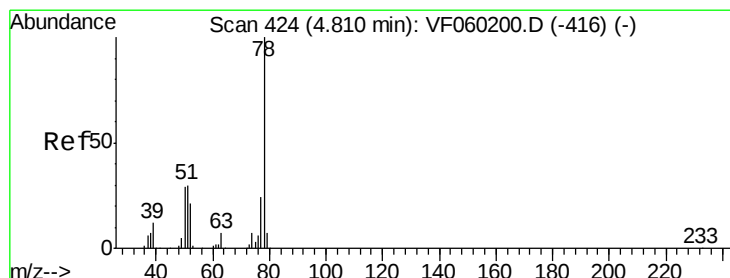
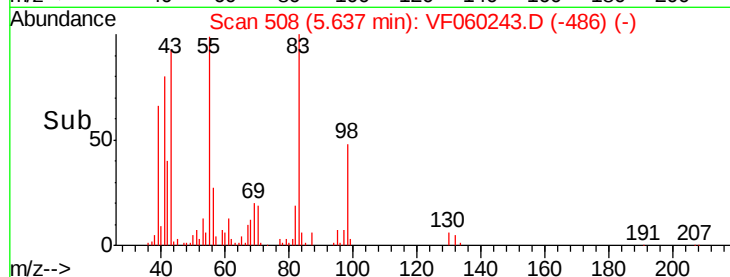
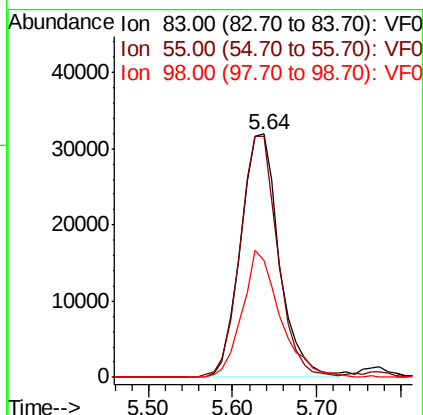
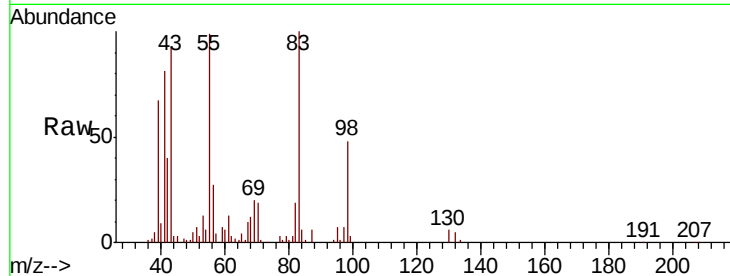




#39
Methvlcvclohexane
Concen: 51.22 ug/l
RT: 5.64 min Scan# 508
Delta R.T. 0.02 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

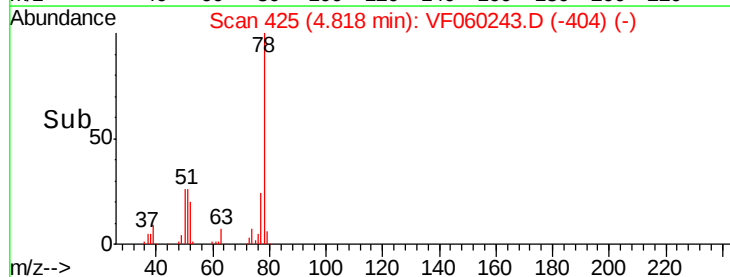
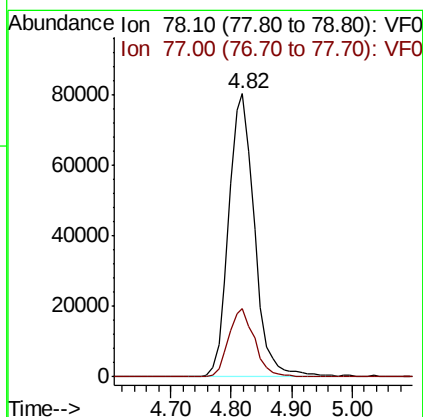
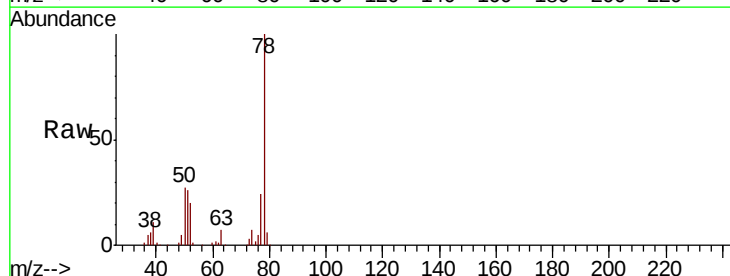
Instrument :
MSVOA_F
ClientSampleId :
J4803-17MSD

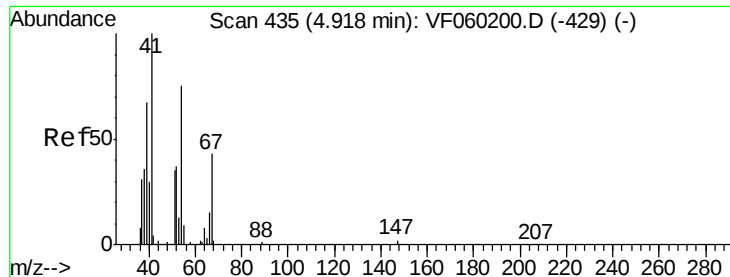
Tot Ion: 83 Resp: 102737
Ion Ratio Lower Upper
83 100
55 99.0 79.0 118.4
98 47.8 36.7 55.1



#40
Benzene
Concen: 55.94 ug/l
RT: 4.82 min Scan# 425
Delta R.T. 0.01 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Tgt Ion: 78 Resp: 238606
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.4

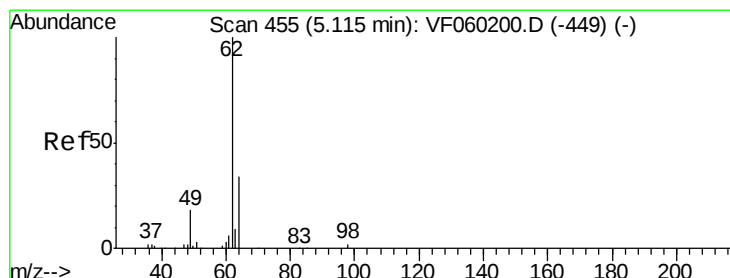
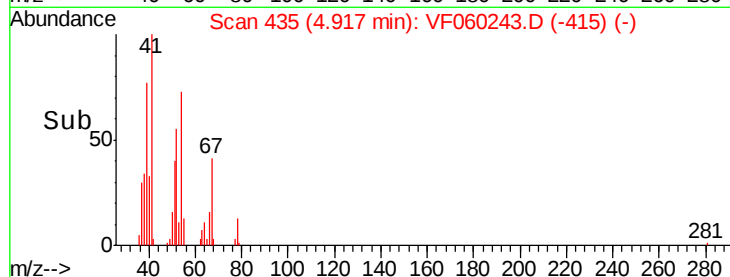
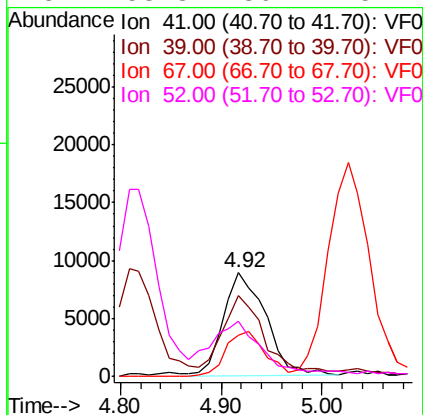
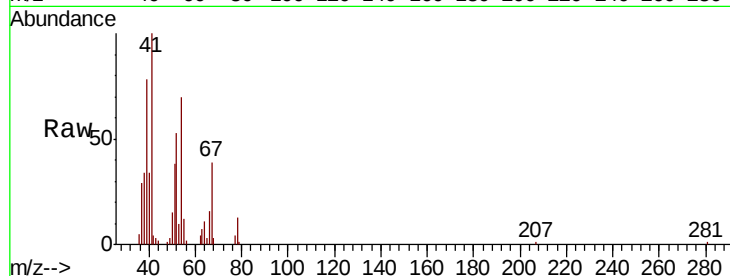




#41
Methacrylonitrile
Concen: 41.69 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.00 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

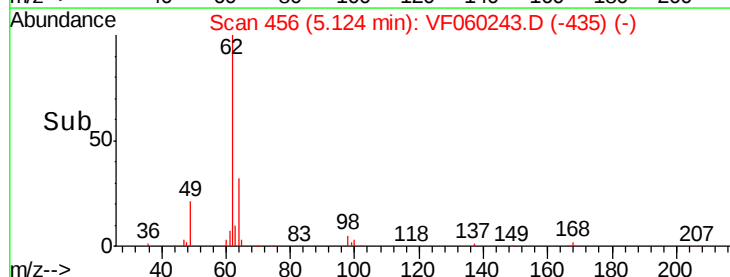
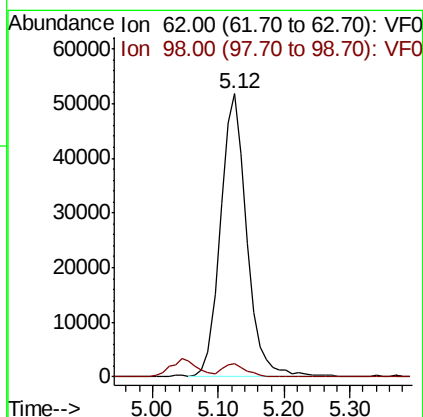
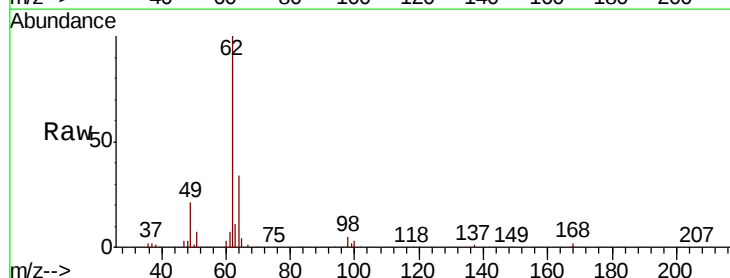
Instrument :
MSVOA_F
ClientSampleId :
J4803-17MSD

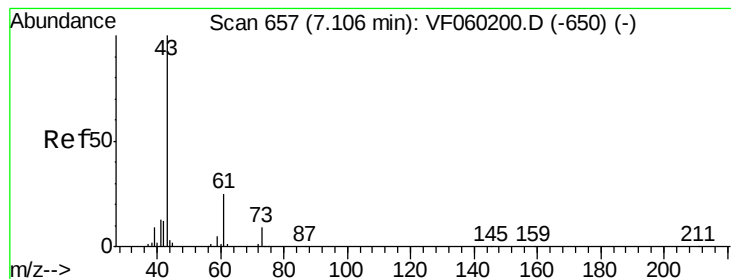
Tot Ion:	41	Resp:	25964
Ion	Ratio	Lower	Upper
41	100		
39	78.2	57.4	86.2
67	39.1	34.6	52.0
52	53.3	36.2	54.4



#42
1,2-Dichloroethane
Concen: 46.09 ug/l
RT: 5.12 min Scan# 456
Delta R.T. 0.01 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Tgt Ion:	62	Resp:	142078
Ion	Ratio	Lower	Upper
62	100		
98	4.8	0.0	8.8



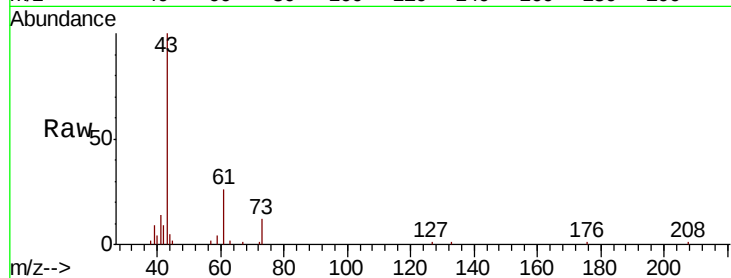


#43

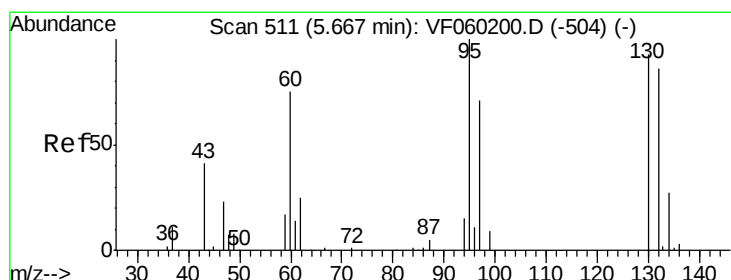
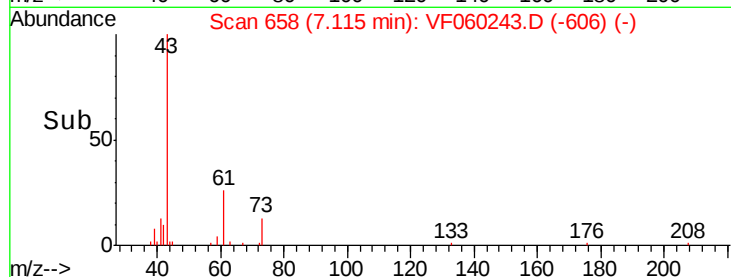
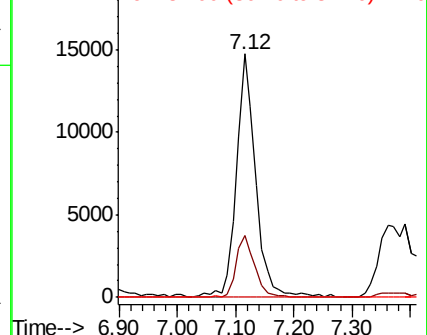
Isopropyl Acetate
 Concen: 24.25 ug/l
 RT: 7.12 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

Instrument :
 MSVOA_F
 ClientSampleId :
 J4803-17MSD

Tot Ion: 43 Resp: 33774
 Ion Ratio Lower Upper
 43 100
 61 25.7 19.9 29.9
 87 0.0 0.4 0.6#



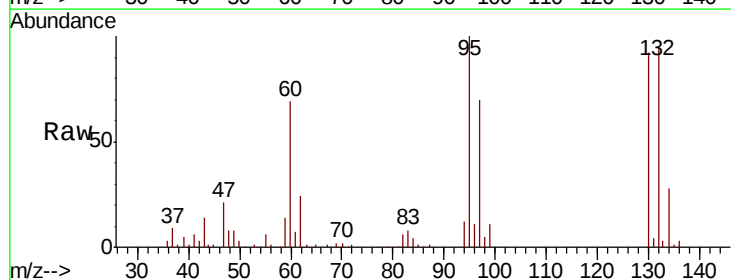
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



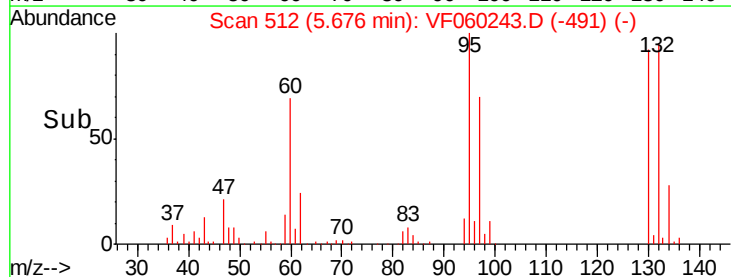
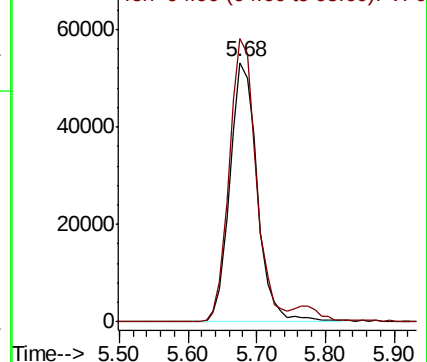
#44

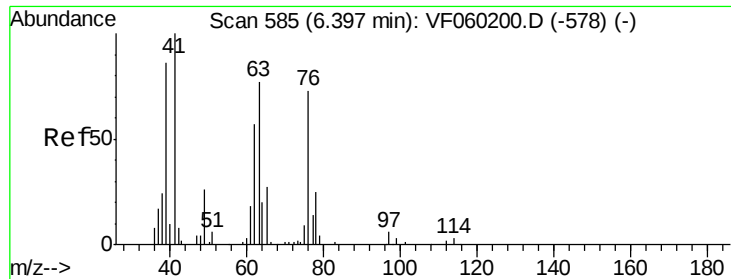
Trichloroethene
 Concen: 85.14 ug/l
 RT: 5.68 min Scan# 512
 Delta R.T. 0.01 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

Tgt Ion: 130 Resp: 147095
 Ion Ratio Lower Upper
 130 100
 95 109.0 0.0 215.4



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

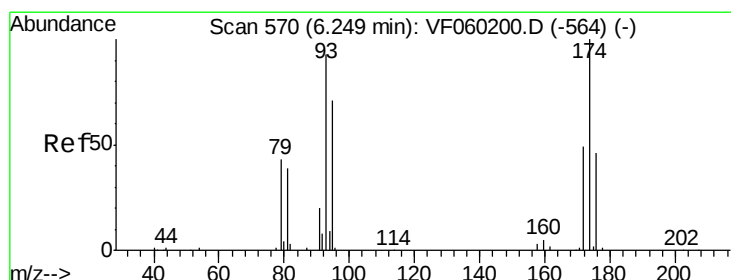
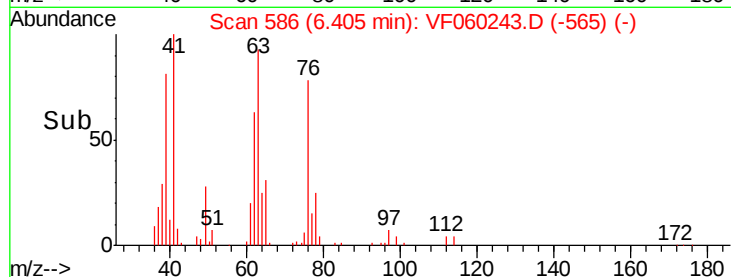
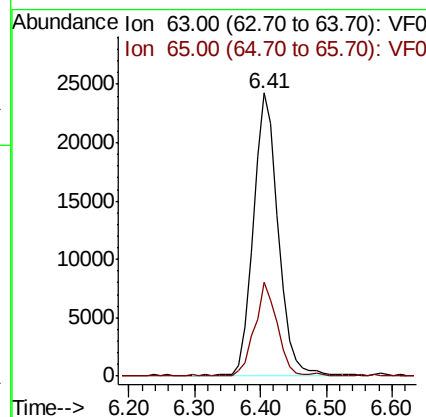
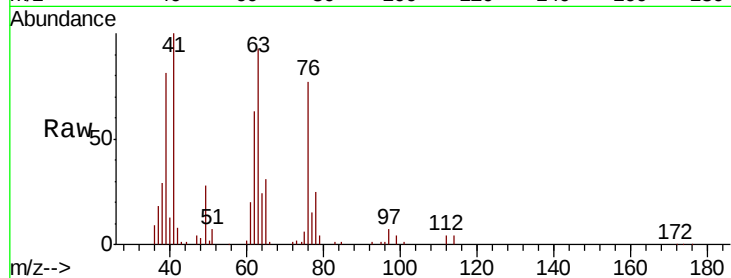




#45
 1,2-Dichloropropane
 Concen: 52.96 ug/l
 RT: 6.41 min Scan# 586
 Delta R.T. 0.01 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

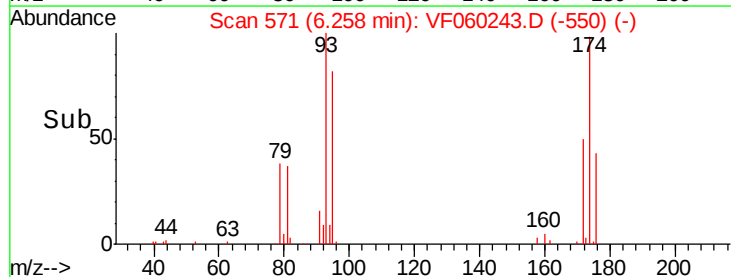
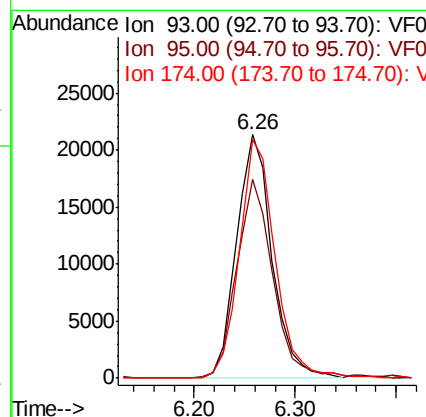
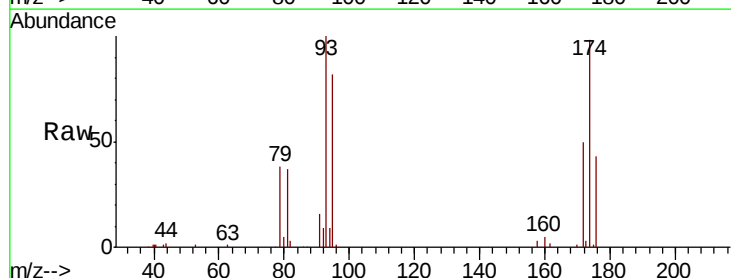
Instrument :
 MSVOA_F
 ClientSampled :
 J4803-17MSD

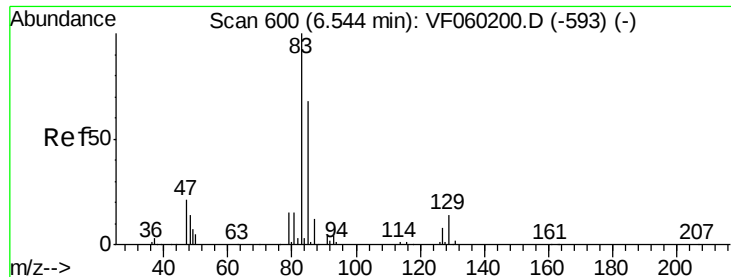
Tot Ion: 63 Resp: 64209
 Ion Ratio Lower Upper
 63 100
 65 33.1 27.9 41.9



#46
 Dibromomethane
 Concen: 48.91 ug/l
 RT: 6.26 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

Tgt Ion: 93 Resp: 52219
 Ion Ratio Lower Upper
 93 100
 95 81.7 61.4 92.2
 174 98.1 85.9 128.9





#47

Bromodichloromethane

Concen: 49.44 ug/l

RT: 6.55 min Scan# 601

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MSD

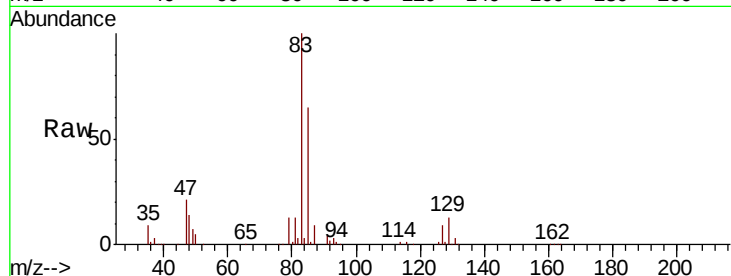
Tot Ion: 83 Resp: 143249

Ion Ratio Lower Upper

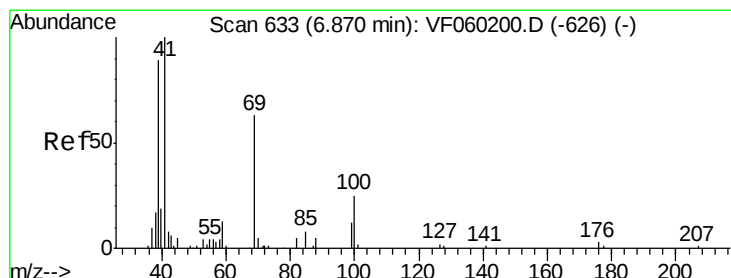
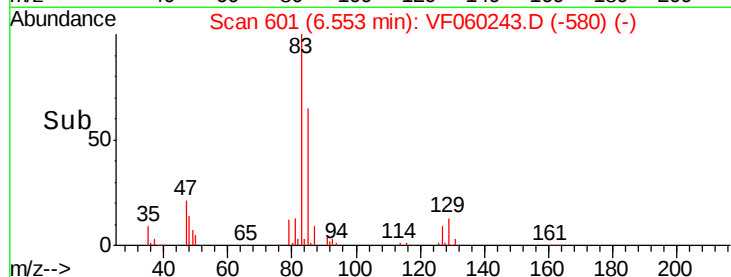
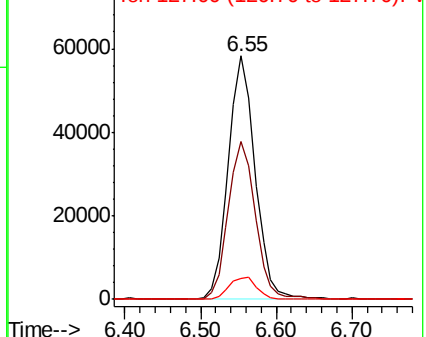
83 100

85 64.8 54.0 81.0

127 8.7 6.6 9.8



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: 29.03 ug/l

RT: 6.88 min Scan# 634

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

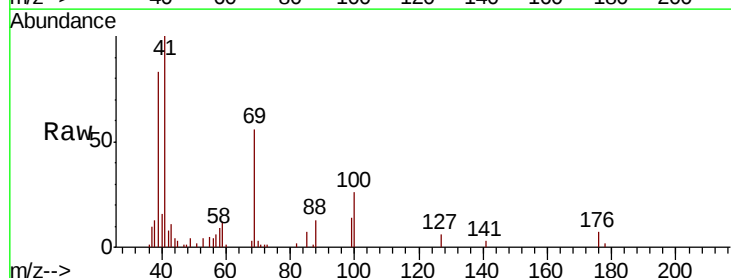
Tgt Ion: 41 Resp: 32111

Ion Ratio Lower Upper

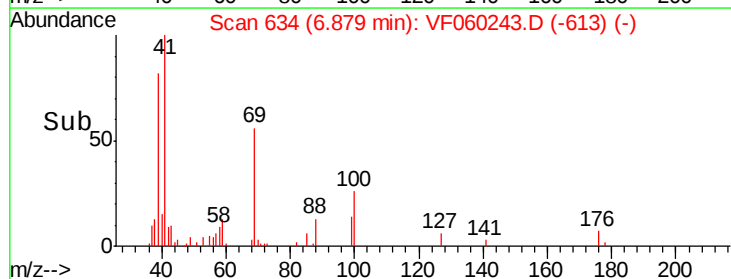
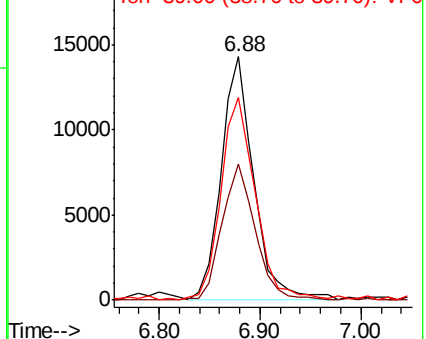
41 100

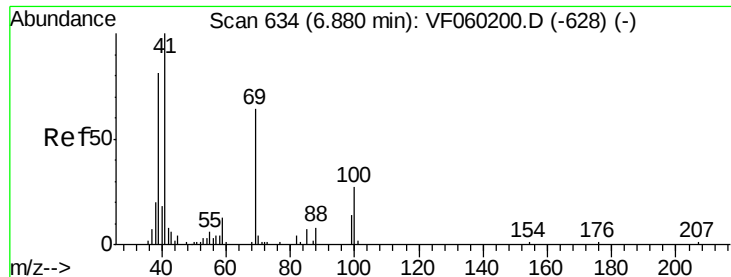
69 55.7 50.4 75.6

39 83.0 70.6 106.0



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: 345.19 ug/l

RT: 6.88 min Scan# 634

Delta R.T. -0.00 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MSD

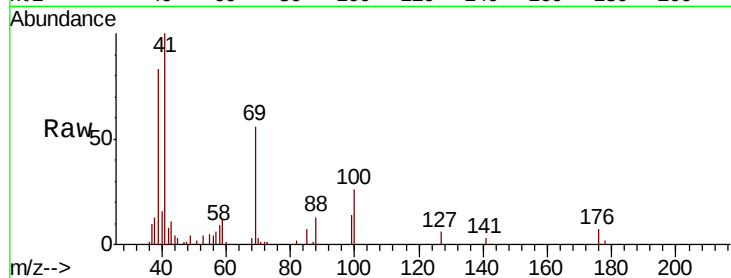
Tot Ion: 88 Resp: 5611

Ion Ratio Lower Upper

88 100

43 89.1 68.1 102.1

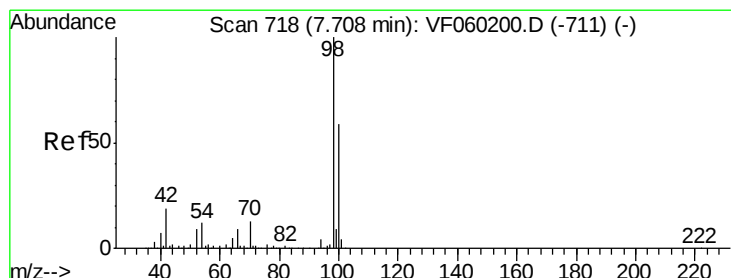
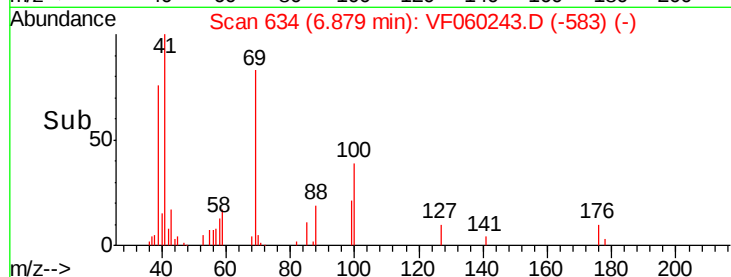
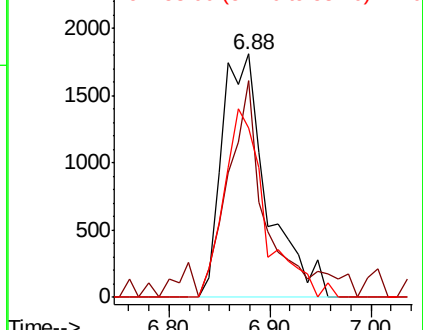
58 69.4 38.1 57.1#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 51.29 ug/l

RT: 7.72 min Scan# 719

Delta R.T. 0.01 min

Lab File: VF060243.D

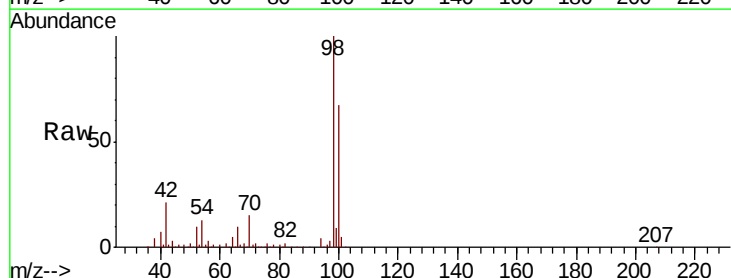
Acq: 10 Sep 2018 19:05

Tgt Ion: 98 Resp: 255070

Ion Ratio Lower Upper

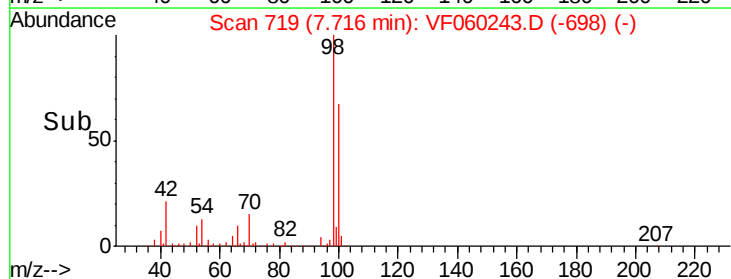
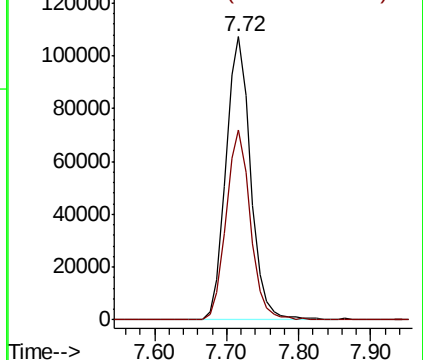
98 100

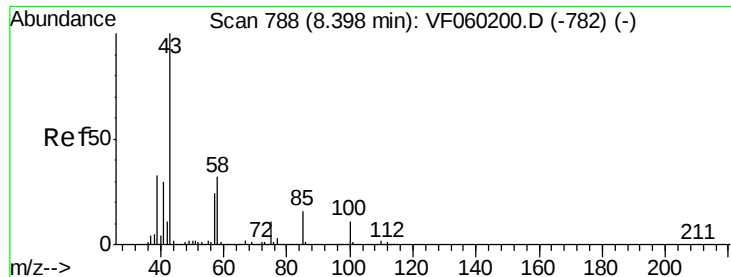
100 67.1 47.4 71.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 228.97 ug/l

RT: 8.41 min Scan# 789

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

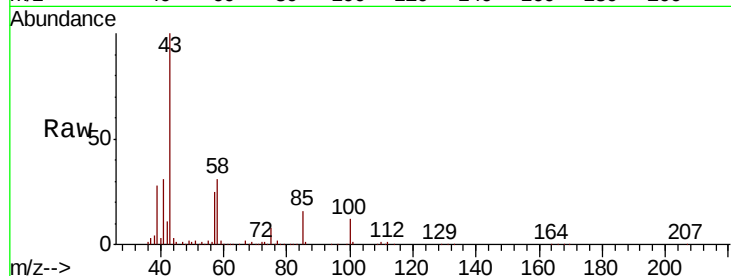
J4803-17MSD

Tot Ion: 43 Resp: 283310

Ion Ratio Lower Upper

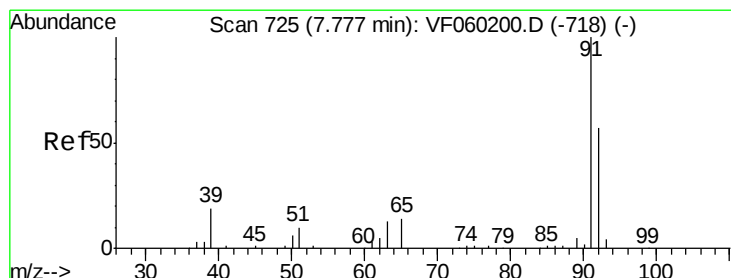
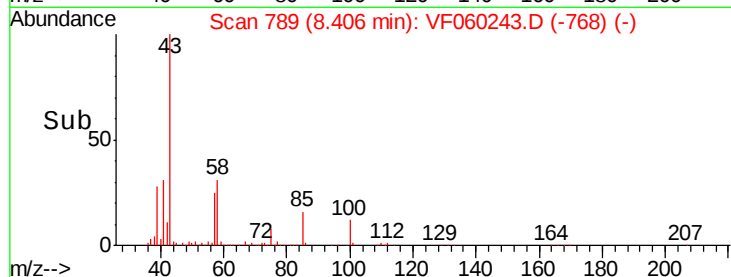
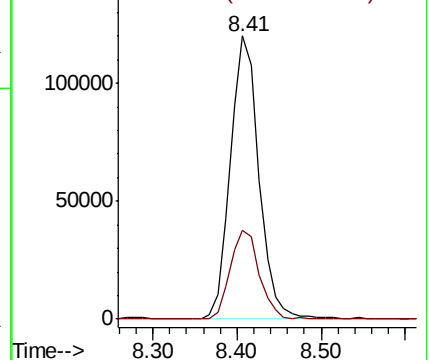
43 100

58 31.3 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 51.21 ug/l

RT: 7.79 min Scan# 726

Delta R.T. 0.01 min

Lab File: VF060243.D

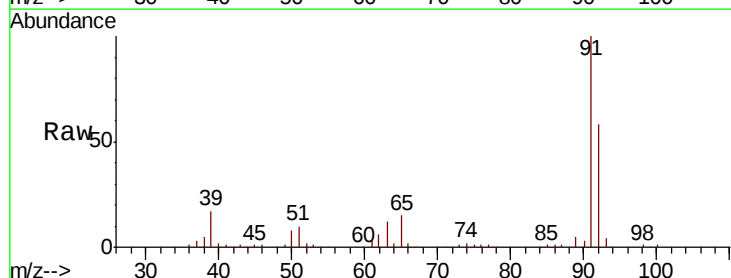
Acq: 10 Sep 2018 19:05

Tgt Ion: 92 Resp: 169167

Ion Ratio Lower Upper

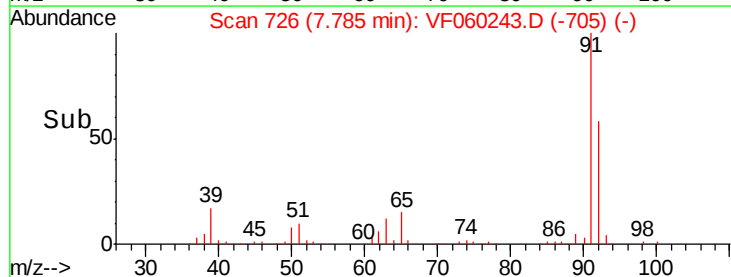
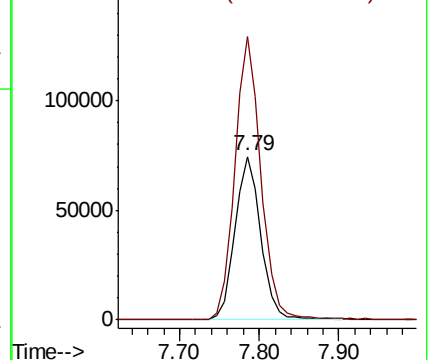
92 100

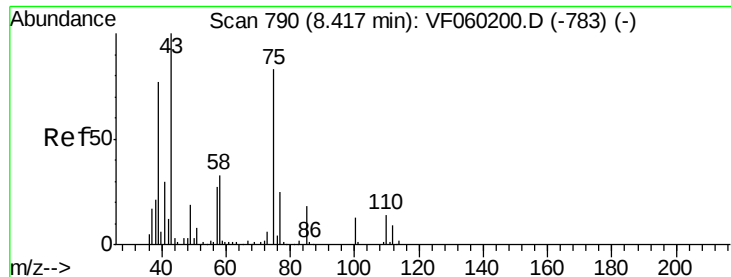
91 173.1 140.0 210.0



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: 46.61 ug/l

RT: 8.44 min Scan# 792

Delta R.T. 0.02 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

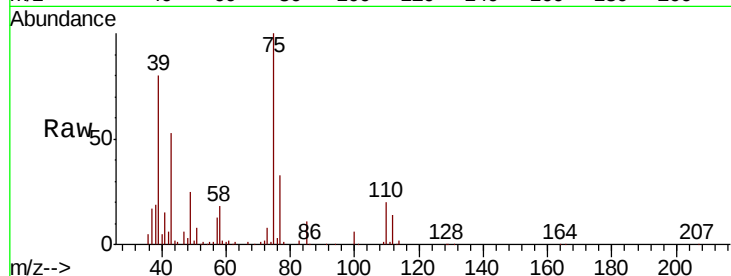
J4803-17MSD

Tot Ion: 75 Resp: 113476

Ion Ratio Lower Upper

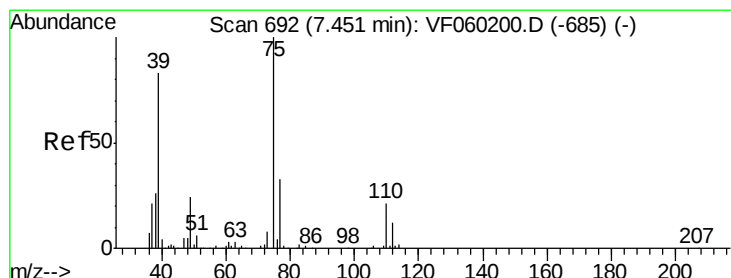
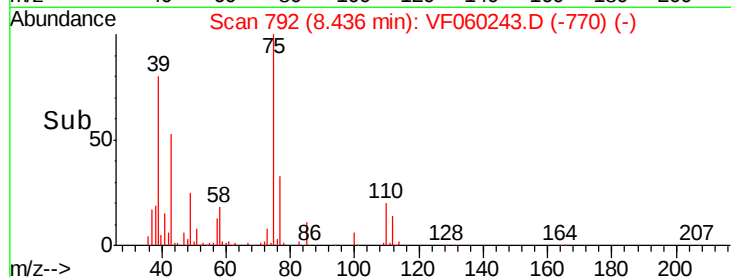
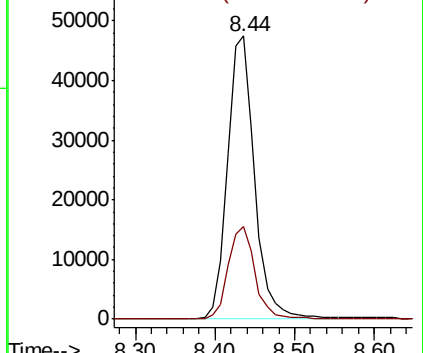
75 100

77 32.9 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 51.59 ug/l

RT: 7.46 min Scan# 693

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

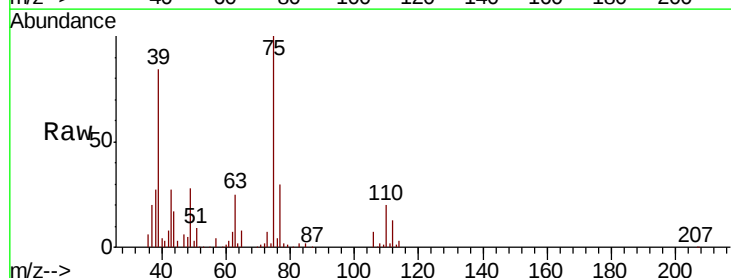
Tgt Ion: 75 Resp: 130382

Ion Ratio Lower Upper

75 100

77 30.4 26.6 39.8

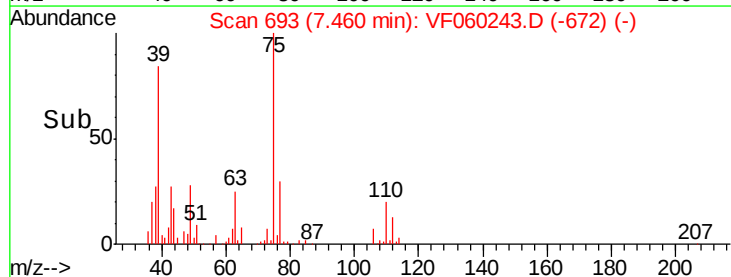
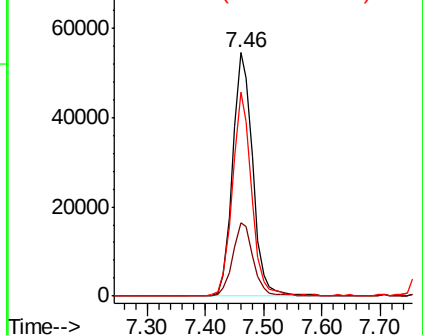
39 83.9 66.6 100.0

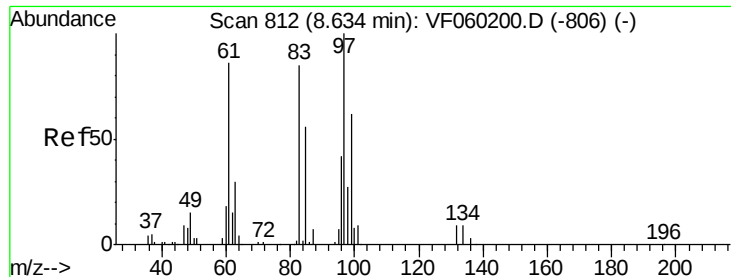


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 45.35 ug/l

RT: 8.64 min Scan# 813

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MSD

Tot Ion: 97 Resp: 55099

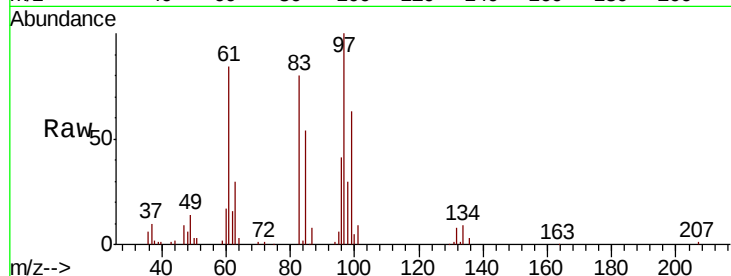
Ion Ratio Lower Upper

97 100

83 80.5 68.1 102.1

85 53.7 44.6 66.8

99 62.5 49.8 74.8

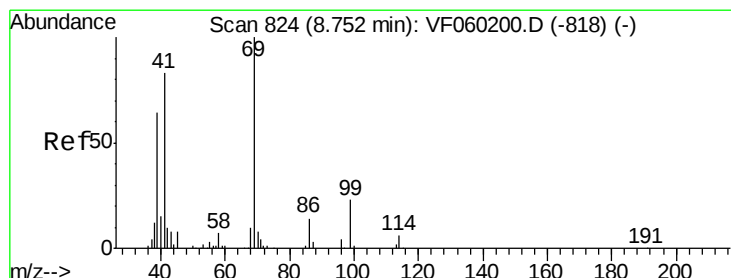
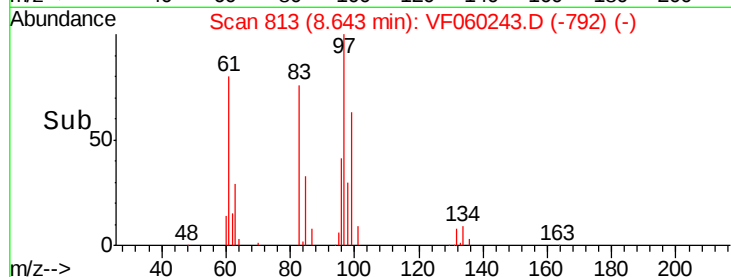
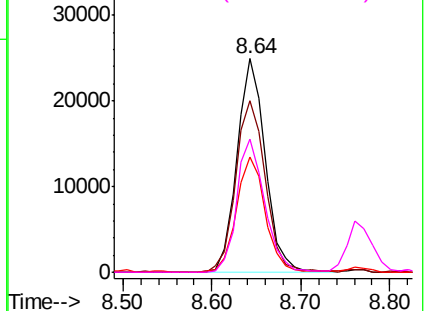


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 37.30 ug/l

RT: 8.76 min Scan# 825

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

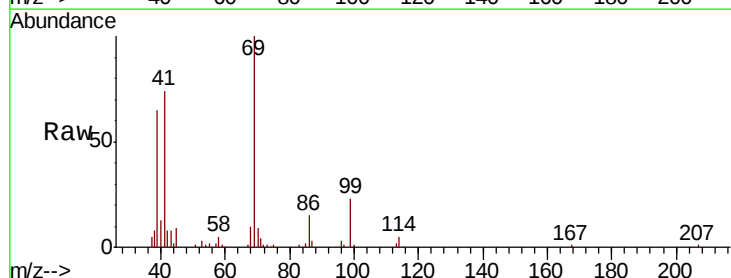
Tgt Ion: 69 Resp: 51805

Ion Ratio Lower Upper

69 100

41 74.2 66.6 100.0

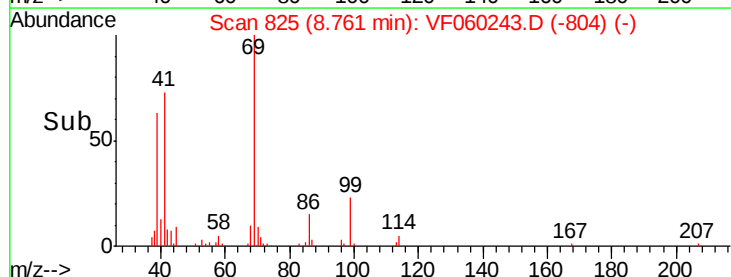
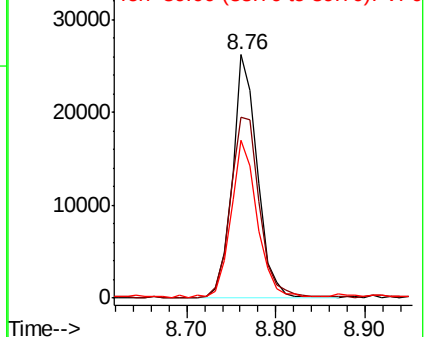
39 64.6 51.5 77.3

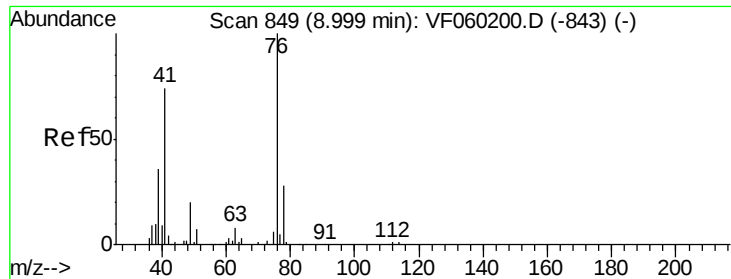


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 47.93 ug/l

RT: 9.01 min Scan# 850

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

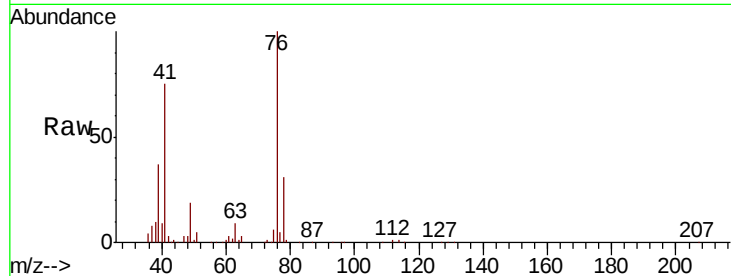
J4803-17MSD

Tot Ion: 76 Resp: 103551

Ion Ratio Lower Upper

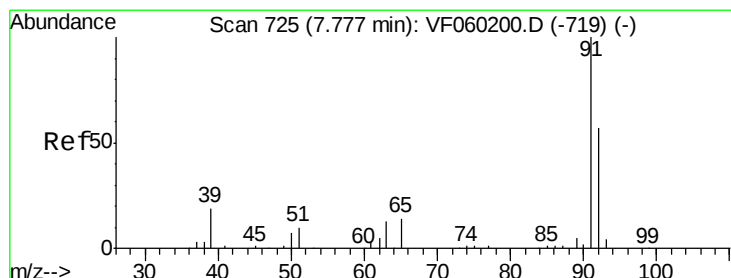
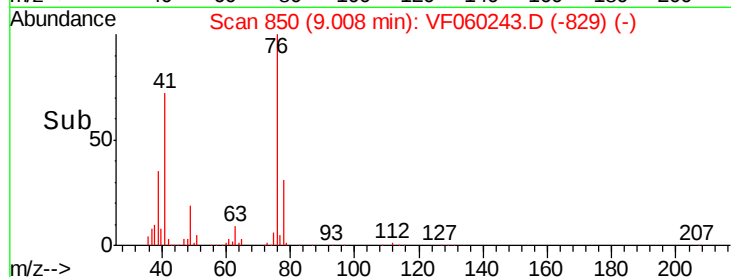
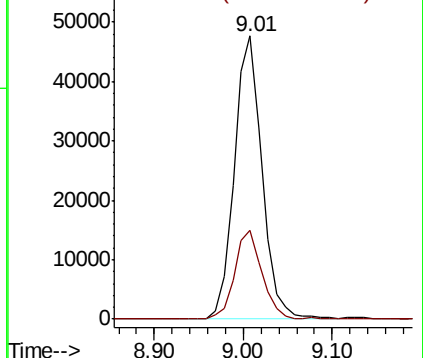
76 100

78 31.4 22.8 34.2



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: 243.05 ug/l

RT: 7.79 min Scan# 726

Delta R.T. 0.01 min

Lab File: VF060243.D

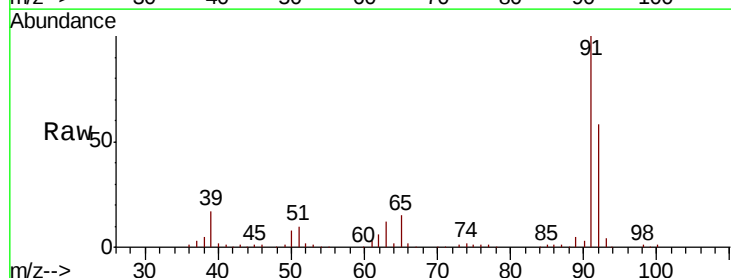
Acq: 10 Sep 2018 19:05

Tgt Ion: 63 Resp: 36306

Ion Ratio Lower Upper

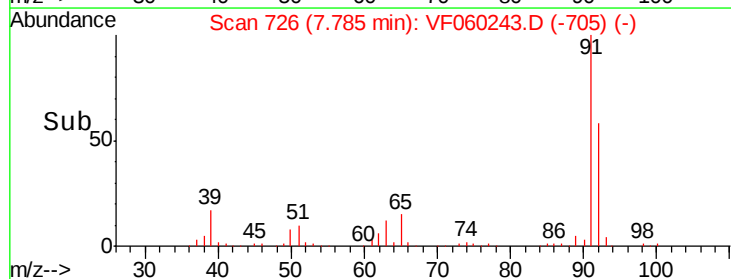
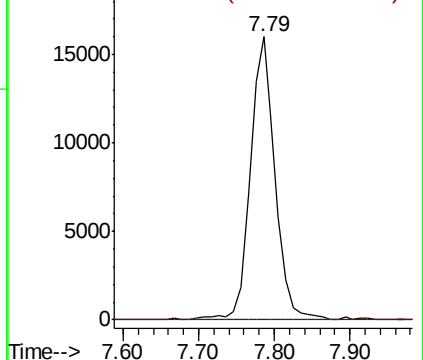
63 100

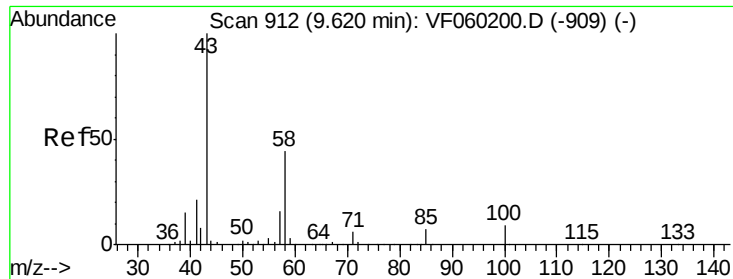
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

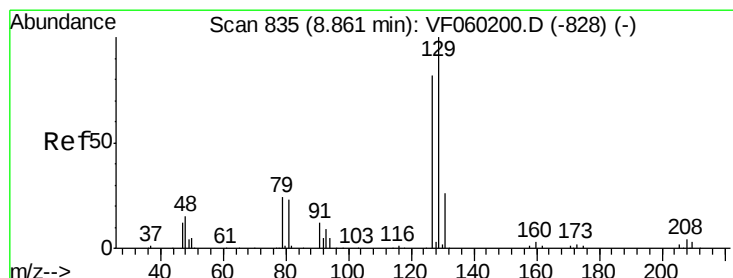
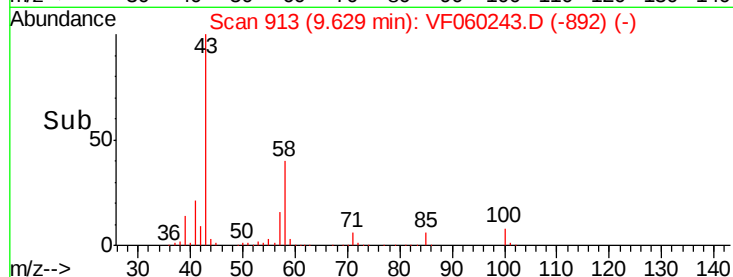
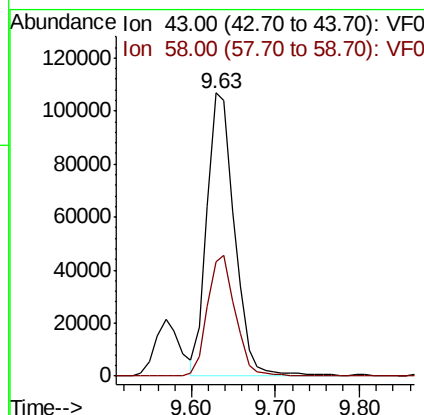
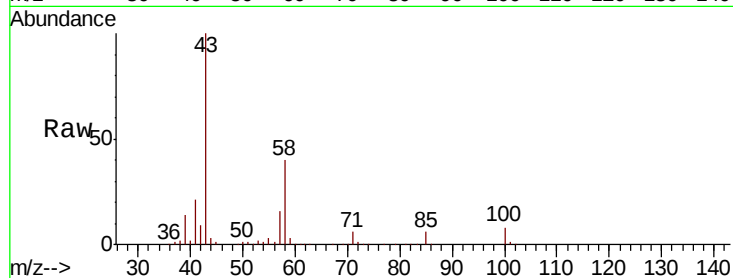




#59
 2-Hexanone
 Concen: 261.02 ug/l
 RT: 9.63 min Scan# 913
 Delta R.T. 0.01 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

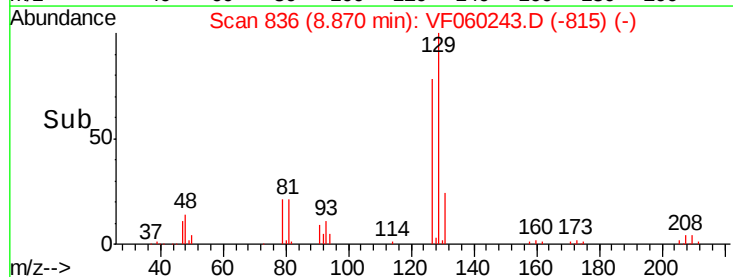
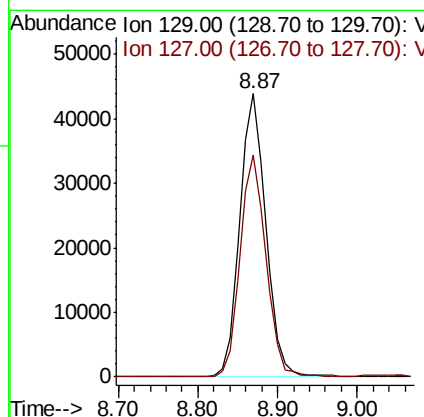
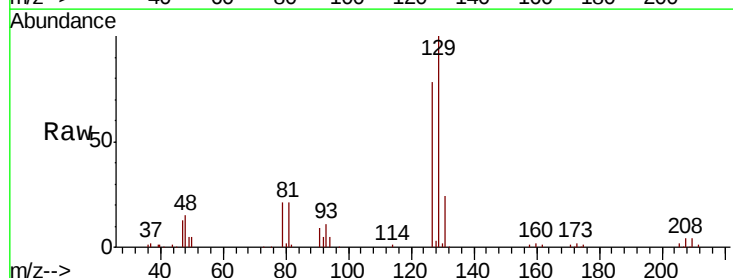
Instrument :
 MSVOA_F
 ClientSampleId :
 J4803-17MSD

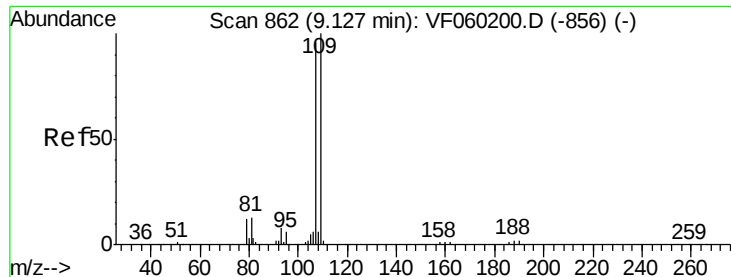
Tot Ion: 43 Resp: 241502
 Ion Ratio Lower Upper
 43 100
 58 40.4 20.8 62.5



#60
 Dibromochloromethane
 Concen: 49.41 ug/l
 RT: 8.87 min Scan# 836
 Delta R.T. 0.01 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

Tgt Ion: 129 Resp: 99439
 Ion Ratio Lower Upper
 129 100
 127 78.3 40.9 122.8





#61

1,2-Dibromoethane

Concen: 44.68 ug/l

RT: 9.15 min Scan# 864

Delta R.T. 0.02 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

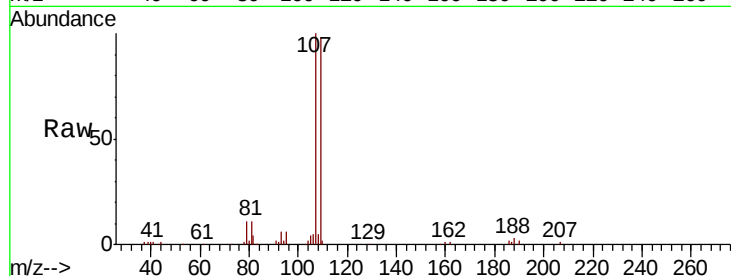
J4803-17MSD

Tot Ion:107 Resp: 65114

Ion Ratio Lower Upper

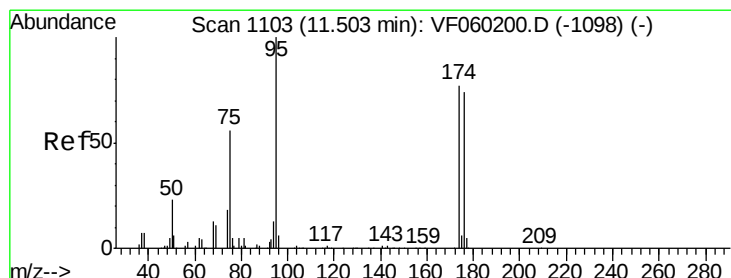
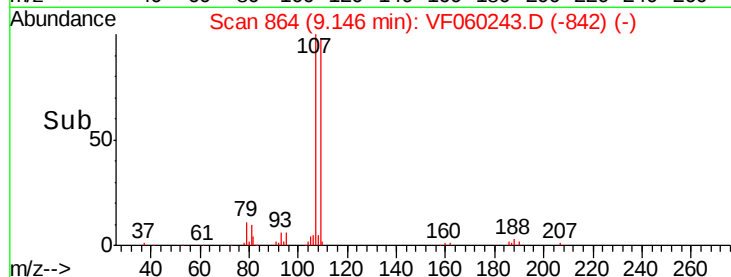
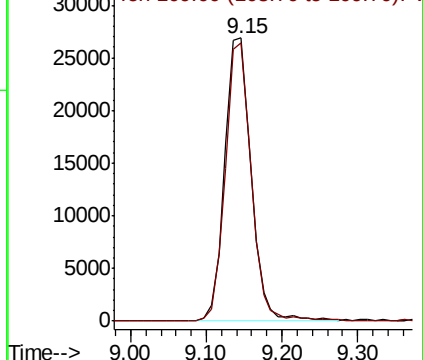
107 100

109 98.3 83.0 124.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 47.50 ug/l

RT: 11.51 min Scan# 1104

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

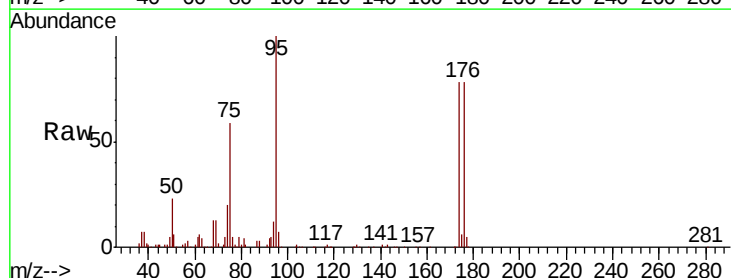
Tgt Ion: 95 Resp: 133274

Ion Ratio Lower Upper

95 100

174 78.3 0.0 153.2

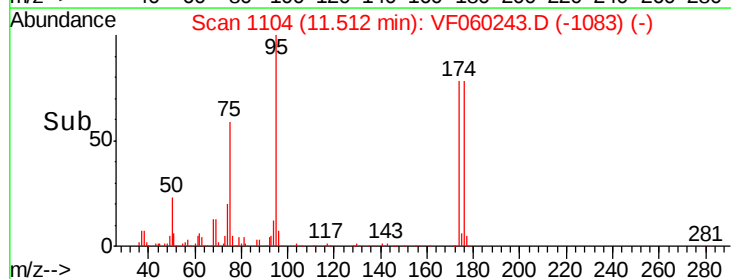
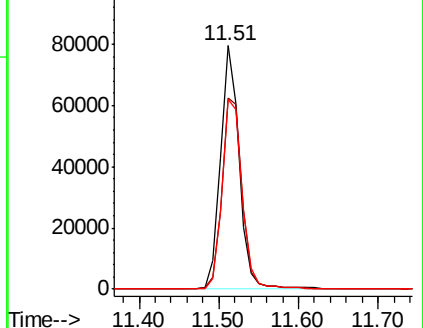
176 77.8 0.0 147.2

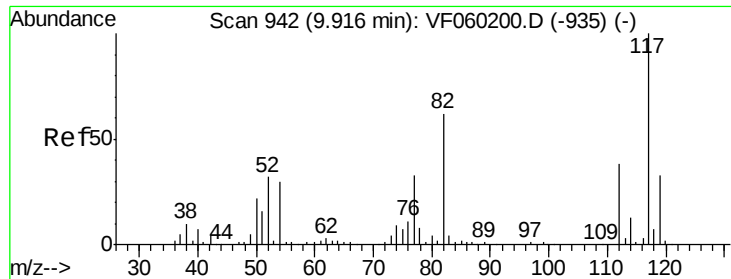


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

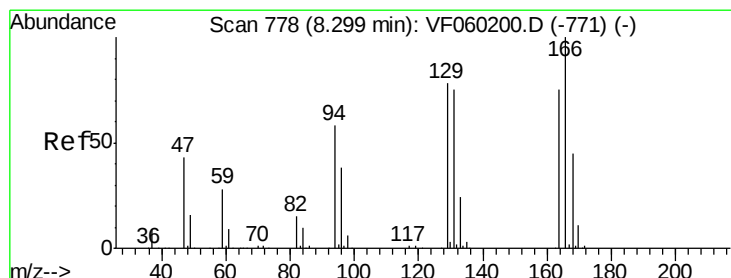
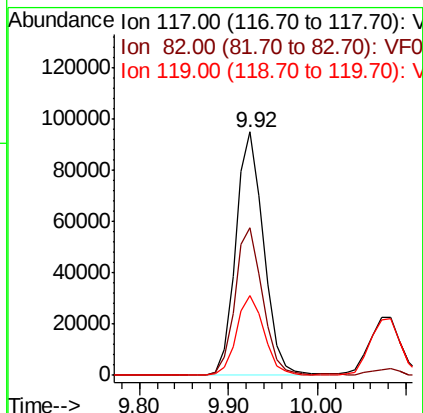
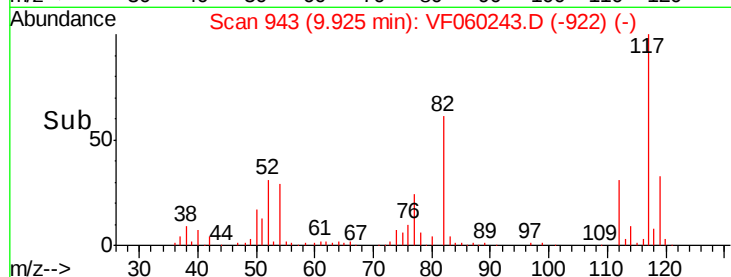
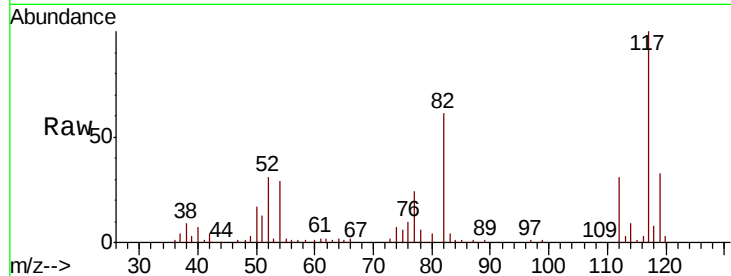




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 943
Delta R.T. 0.01 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

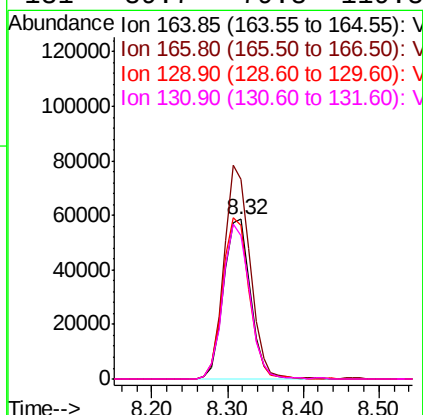
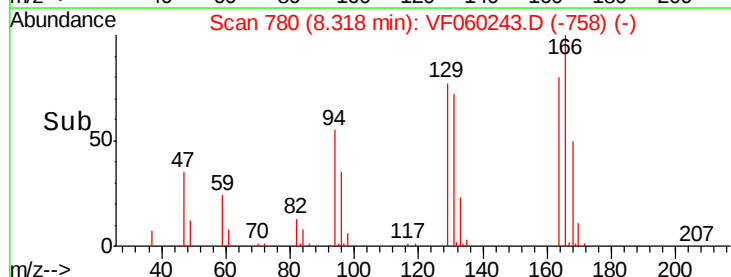
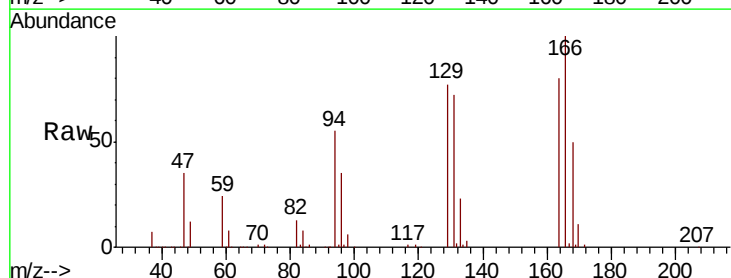
Instrument :
MSVOA_F
ClientSampleId :
J4803-17MSD

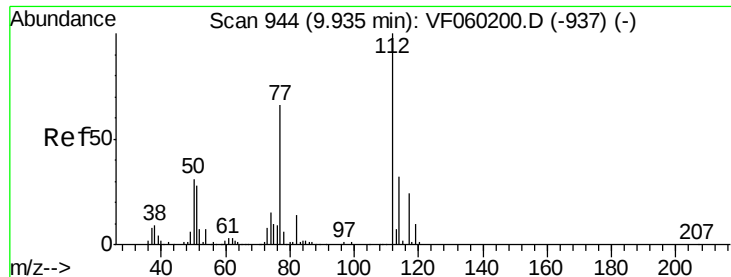
Tot Ion:117 Resp: 207998
Ion Ratio Lower Upper
117 100
82 60.8 49.3 73.9
119 32.8 26.5 39.7



#64
Tetrachloroethene
Concen: 69.05 ug/l
RT: 8.32 min Scan# 780
Delta R.T. 0.02 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Tgt Ion:164 Resp: 143770
Ion Ratio Lower Upper
164 100
166 124.9 107.0 160.4
129 96.3 83.0 124.6
131 89.7 79.8 119.8

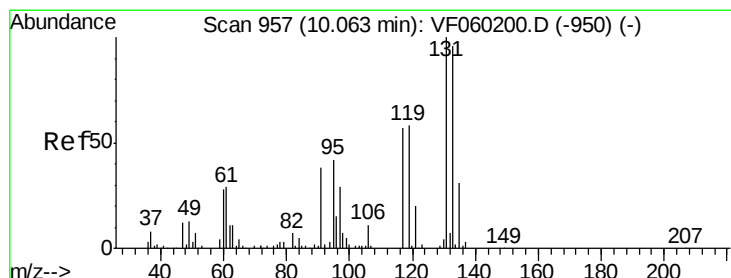
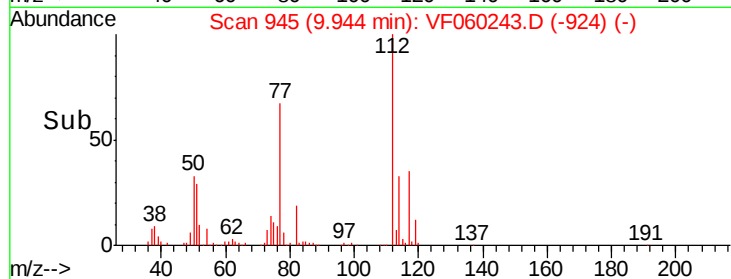
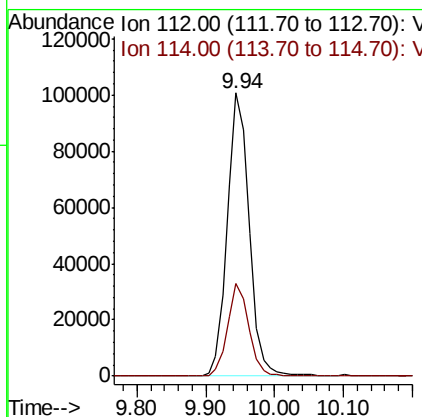
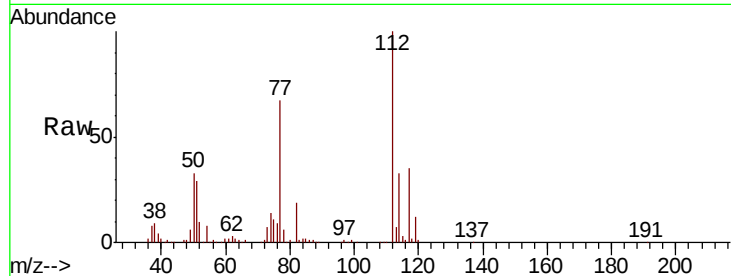




#65
Chlorobenzene
Concen: 51.70 ug/l
RT: 9.94 min Scan# 945
Delta R.T. 0.01 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

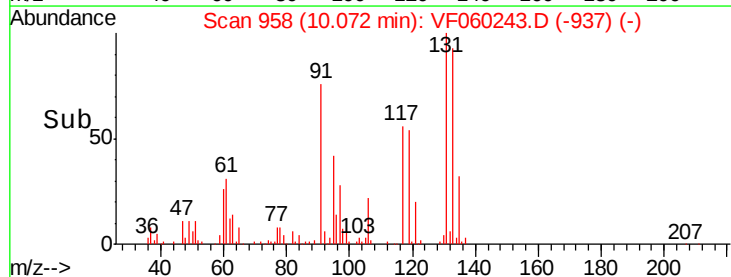
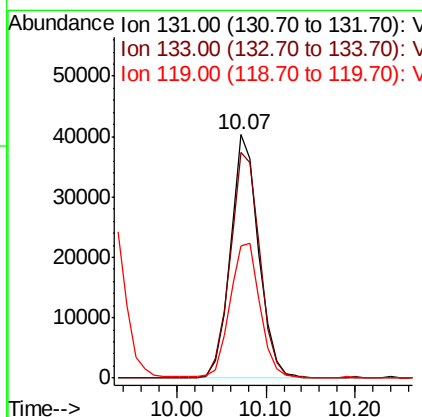
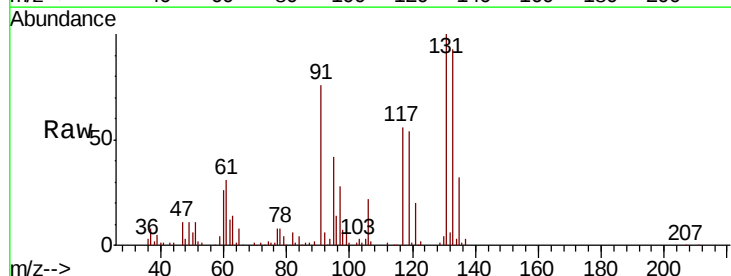
Instrument :
MSVOA_F
ClientSampleId :
J4803-17MSD

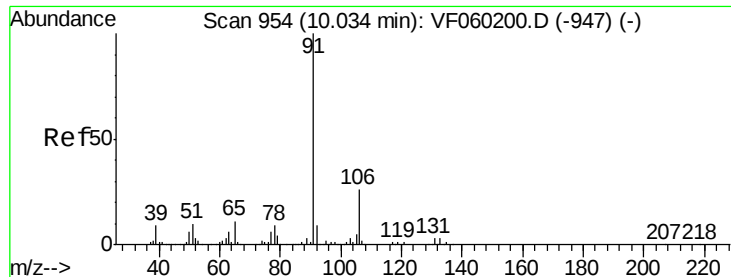
Tot Ion:112 Resp: 222563
Ion Ratio Lower Upper
112 100
114 32.7 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 46.78 ug/l
RT: 10.07 min Scan# 958
Delta R.T. 0.01 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Tgt Ion:131 Resp: 89269
Ion Ratio Lower Upper
131 100
133 92.9 47.9 143.8
119 54.1 29.0 87.0





#67

Ethyl Benzene

Concen: 51.36 ug/l

RT: 10.04 min Scan# 955

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

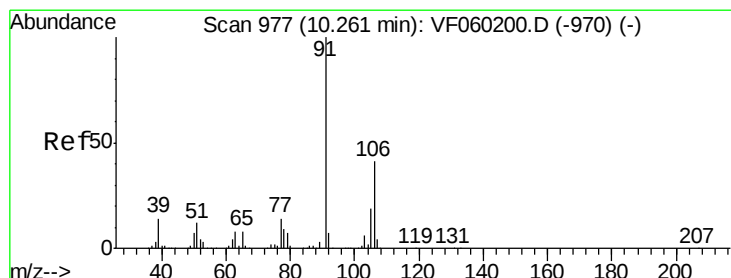
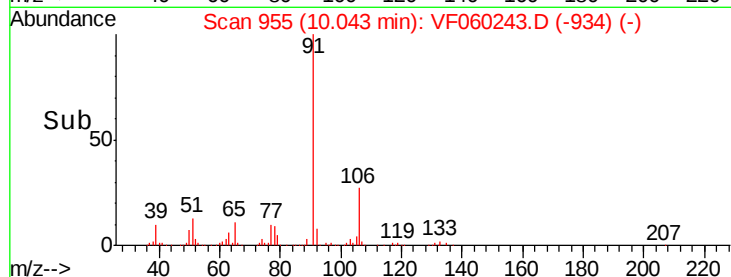
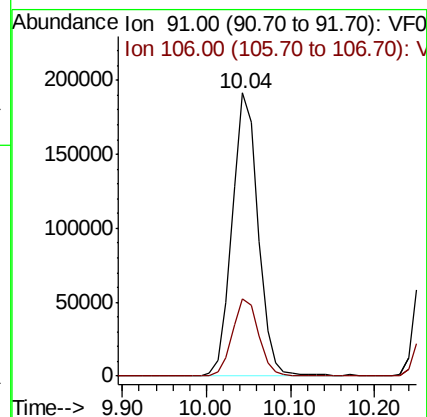
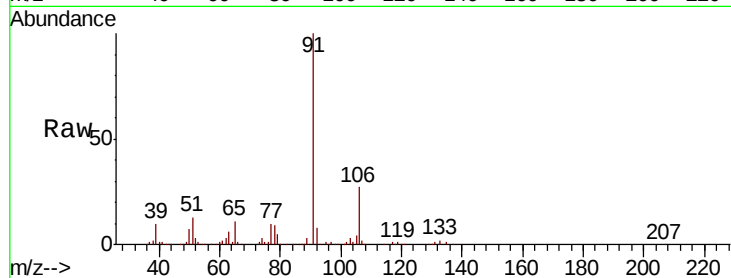
J4803-17MSD

Tot Ion: 91 Resp: 412499

Ion Ratio Lower Upper

91 100

106 27.1 21.1 31.7



#68

m/p-Xylenes

Concen: 106.69 ug/l

RT: 10.28 min Scan# 979

Delta R.T. 0.02 min

Lab File: VF060243.D

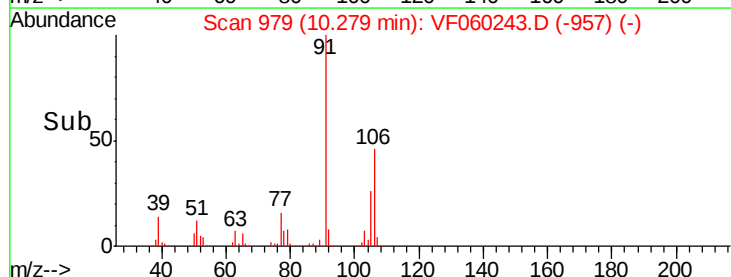
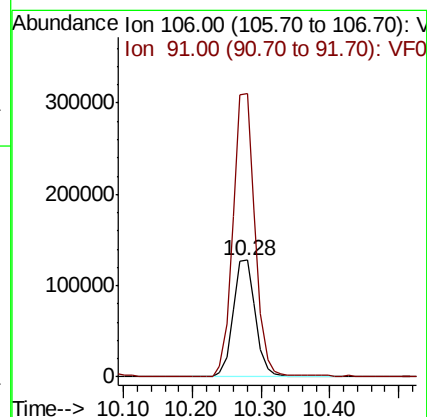
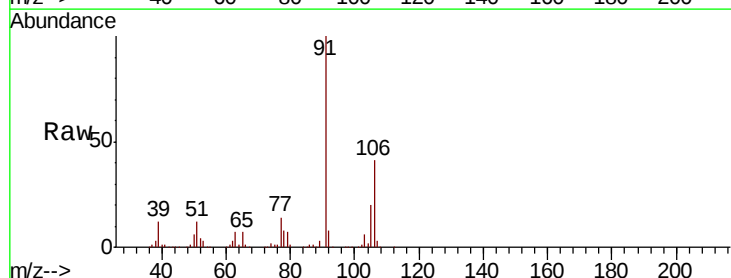
Acq: 10 Sep 2018 19:05

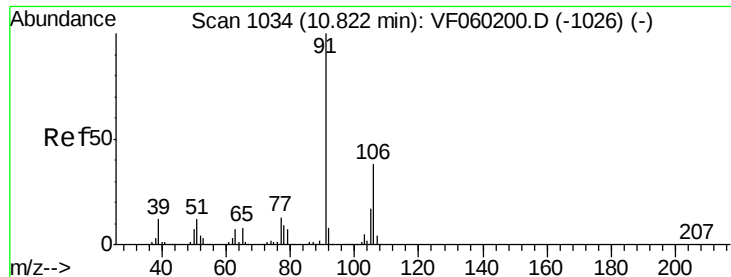
Tgt Ion: 106 Resp: 287531

Ion Ratio Lower Upper

106 100

91 242.0 194.6 291.8

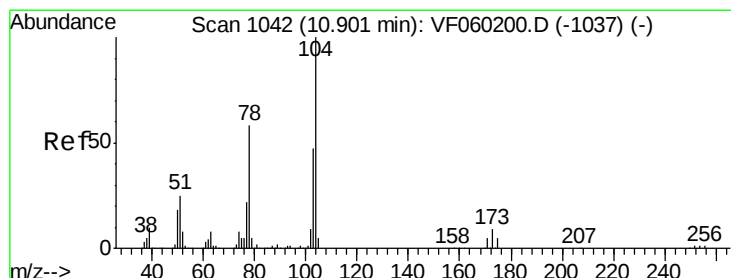
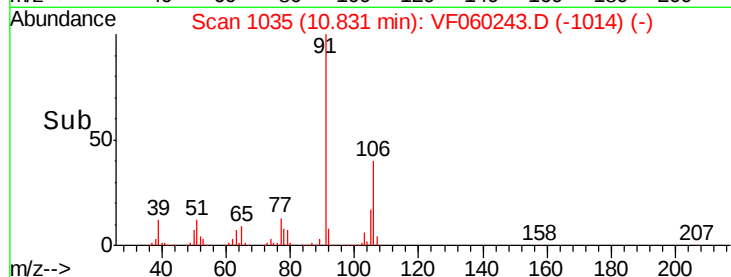
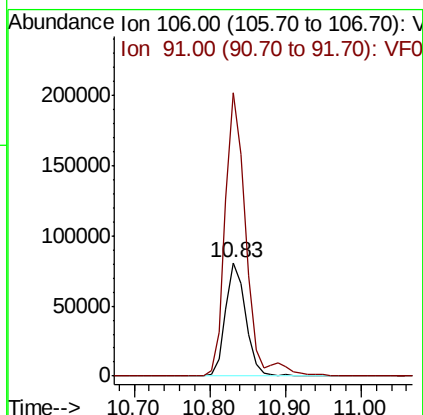
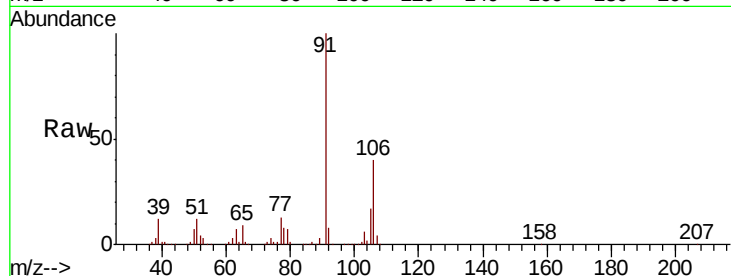




#69
o-Xylene
Concen: 52.25 ug/l
RT: 10.83 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

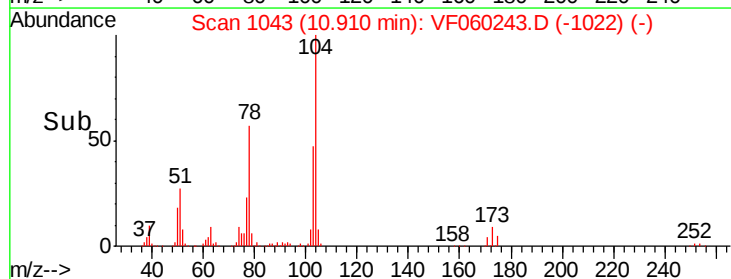
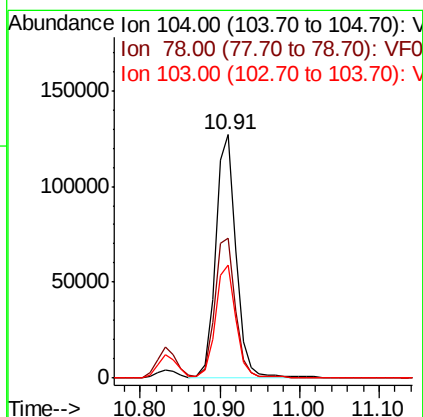
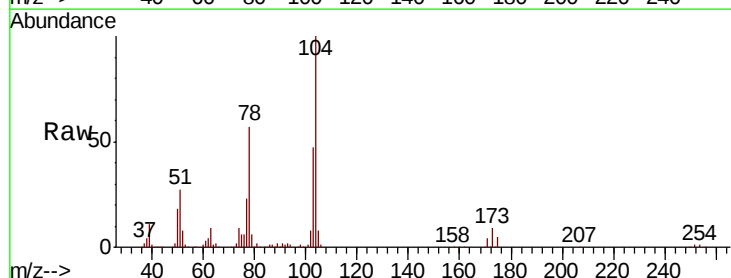
Instrument :
MSVOA_F
ClientSampleId :
J4803-17MSD

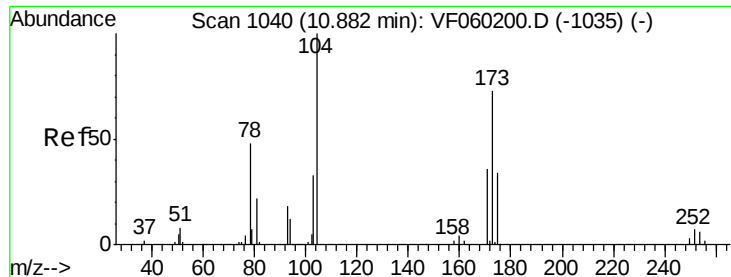
Tot Ion:106 Resp: 150189
Ion Ratio Lower Upper
106 100
91 249.7 130.5 391.5



#70
Styrene
Concen: 52.52 ug/l
RT: 10.91 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Tgt Ion:104 Resp: 228838
Ion Ratio Lower Upper
104 100
78 57.4 47.1 70.7
103 46.5 38.6 57.8





#71

Bromoform

Concen: 51.65 ug/l

RT: 10.89 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MSD

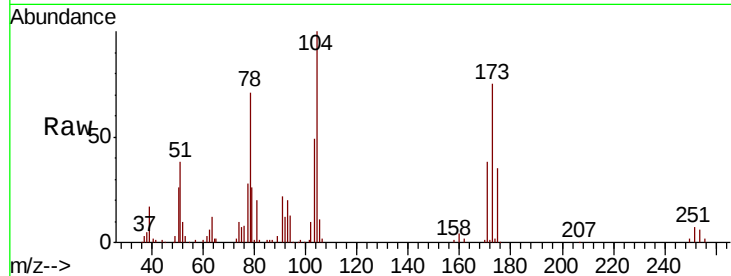
Tot Ion:173 Resp: 56897

Ion Ratio Lower Upper

173 100

175 46.9 23.1 69.3

254 0.0 0.2 0.4#

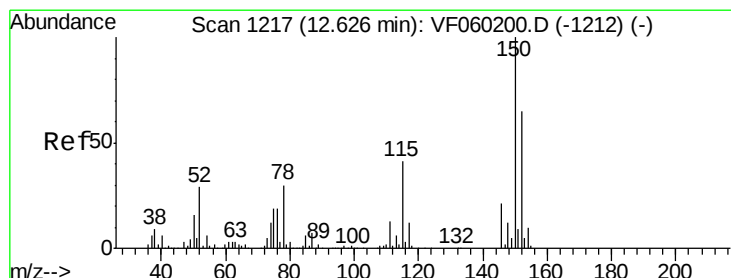
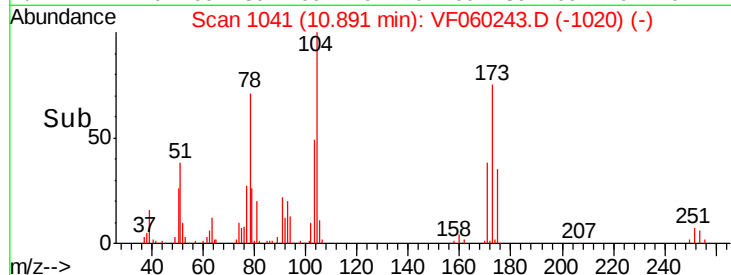
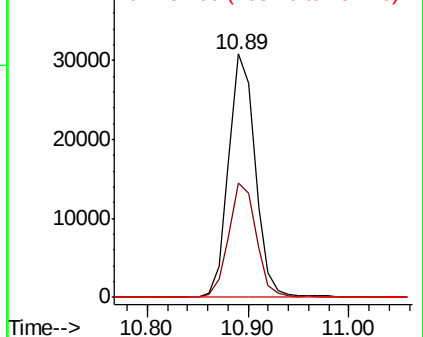


Abundance

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: 12.64 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

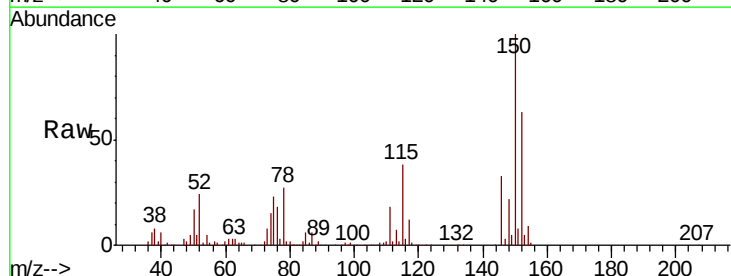
Tgt Ion:152 Resp: 119864

Ion Ratio Lower Upper

152 100

115 60.3 31.5 94.5

150 157.8 0.0 310.4

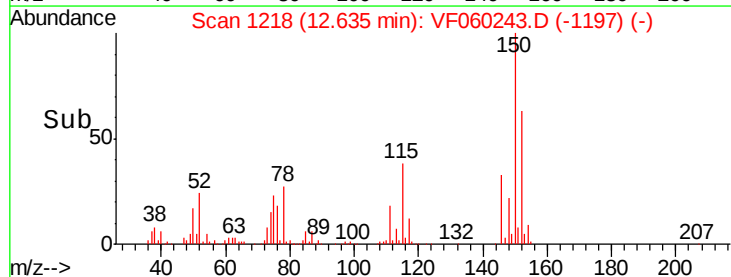
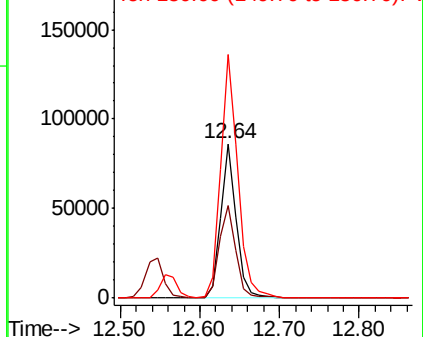


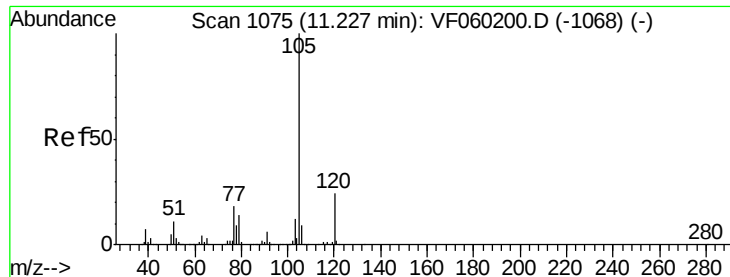
Abundance

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: 59.26 ug/l

RT: 11.24 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

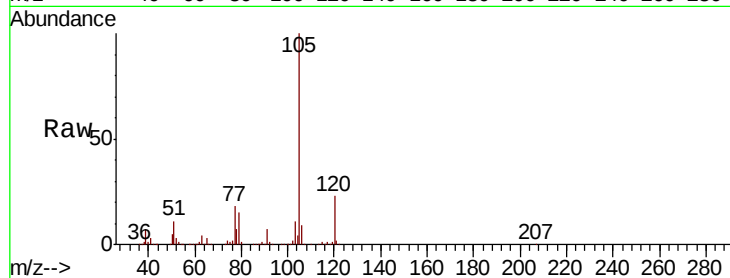
J4803-17MSD

Tot Ion:105 Resp: 489984

Ion Ratio Lower Upper

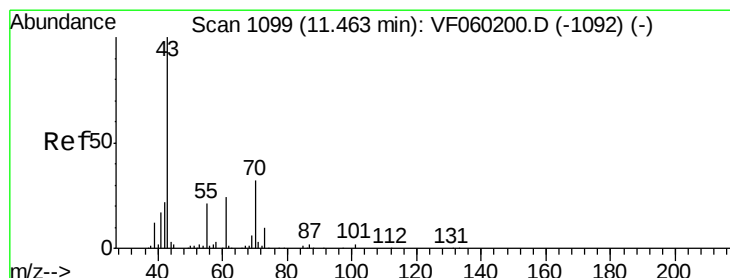
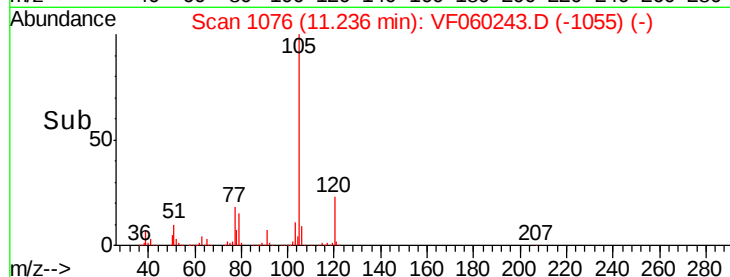
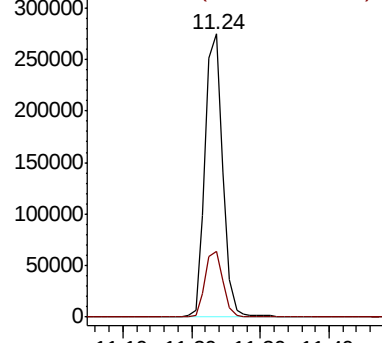
105 100

120 23.3 11.8 35.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 33.15 ug/l

RT: 11.47 min Scan# 1100

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Tgt Ion: 43 Resp: 51637

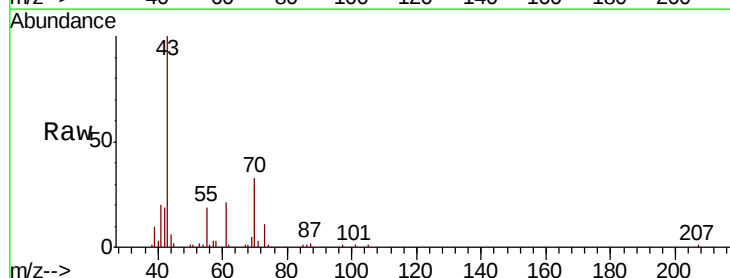
Ion Ratio Lower Upper

43 100

70 33.2 25.8 38.6

55 19.3 16.8 25.2

61 21.3 18.9 28.3

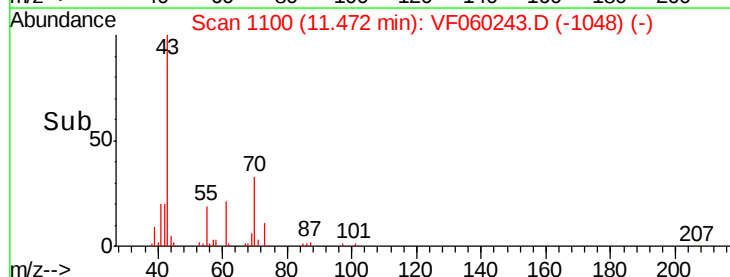
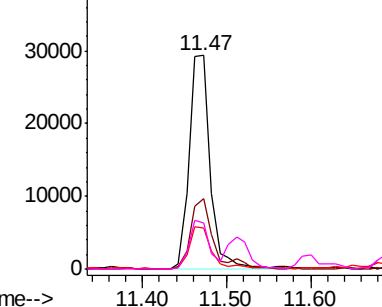


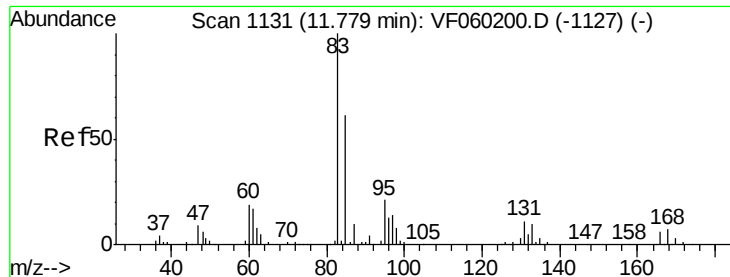
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 1.91 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MSD

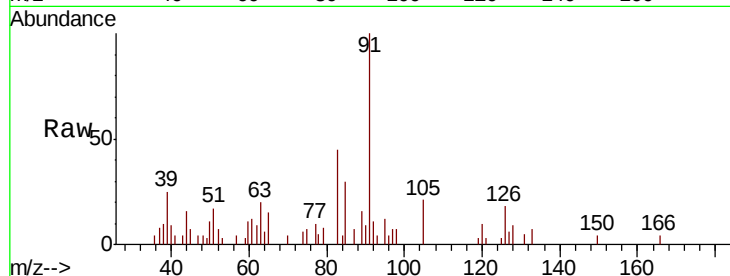
Tot Ion: 83 Resp: 2378

Ion Ratio Lower Upper

83 100

131 10.2 5.5 16.4

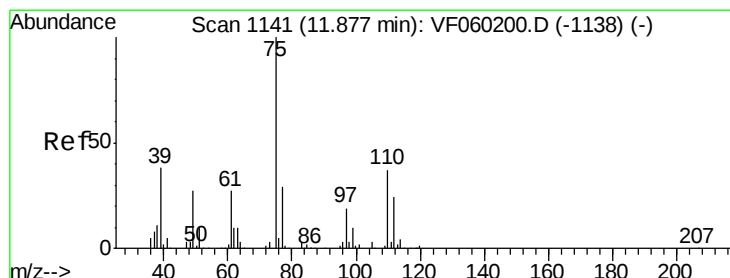
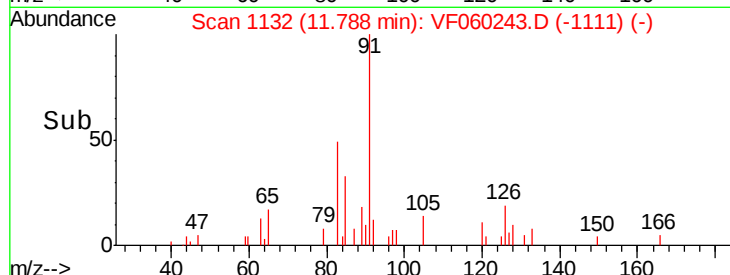
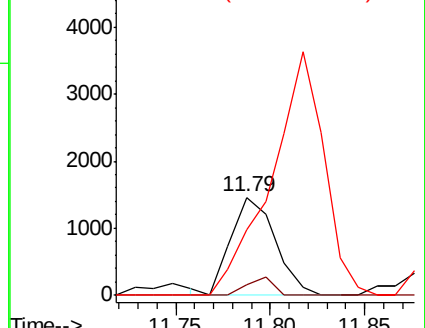
85 66.7 31.1 93.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 44.83 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF060243.D

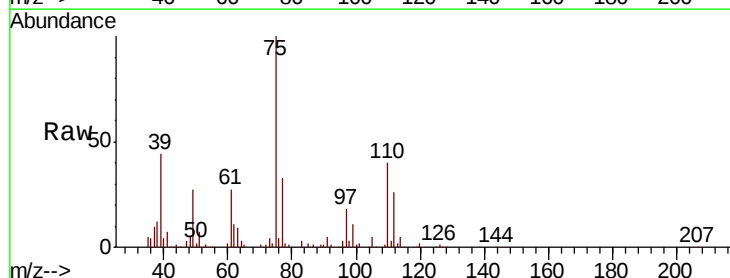
Acq: 10 Sep 2018 19:05

Tgt Ion: 75 Resp: 59061

Ion Ratio Lower Upper

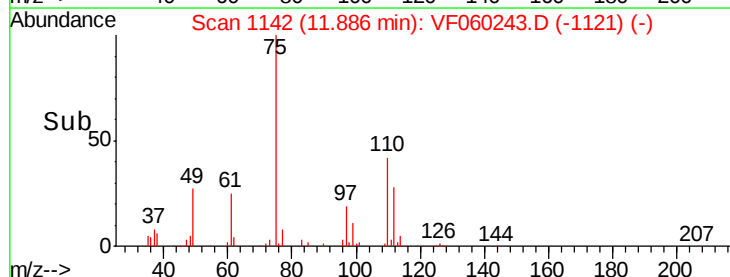
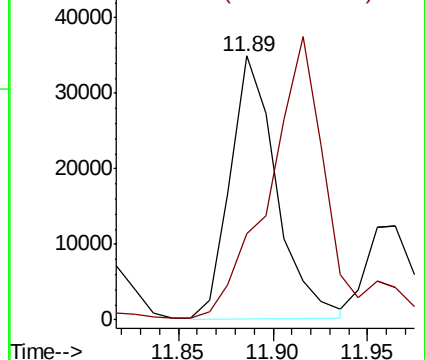
75 100

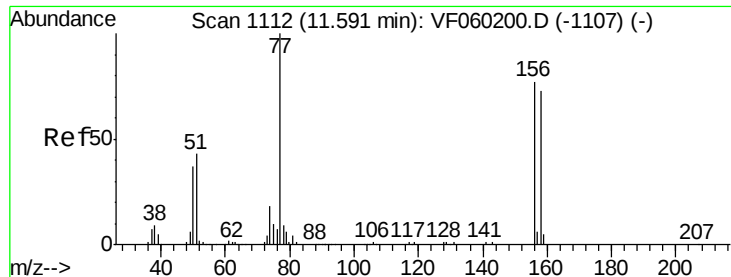
77 32.7 14.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 52.42 ug/l

RT: 11.60 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MSD

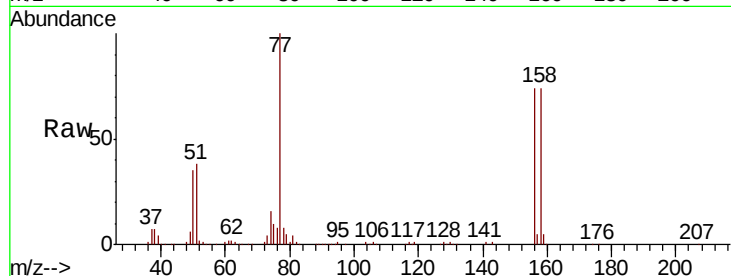
Tot Ion:156 Resp: 113502

Ion Ratio Lower Upper

156 100

77 136.0 64.8 194.3

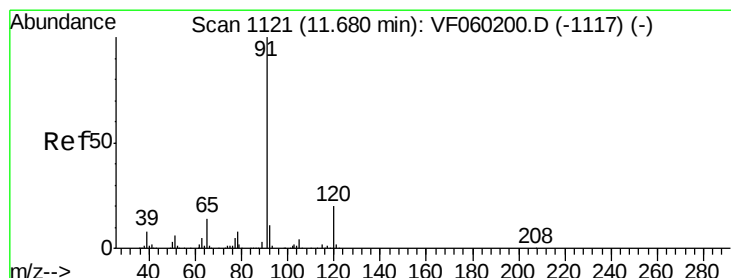
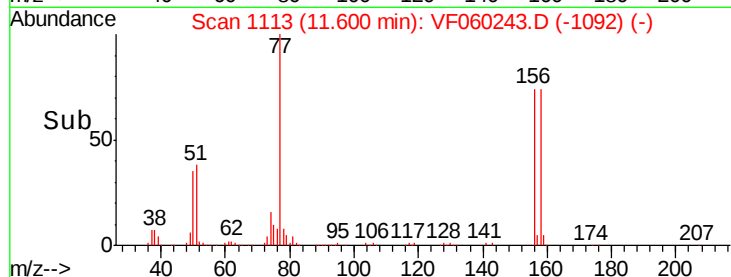
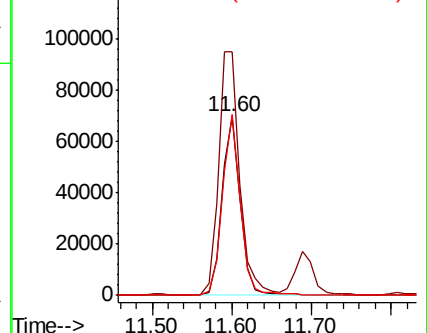
158 101.1 47.3 141.8



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: 54.36 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF060243.D

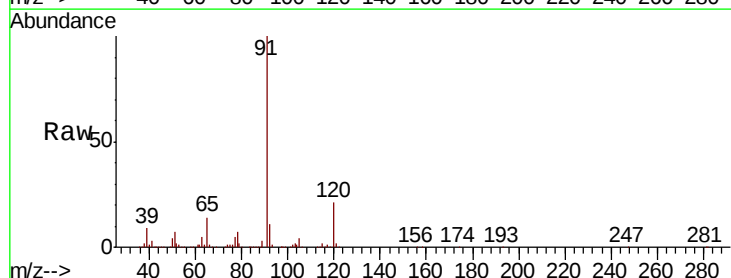
Acq: 10 Sep 2018 19:05

Tgt Ion: 91 Resp: 538541

Ion Ratio Lower Upper

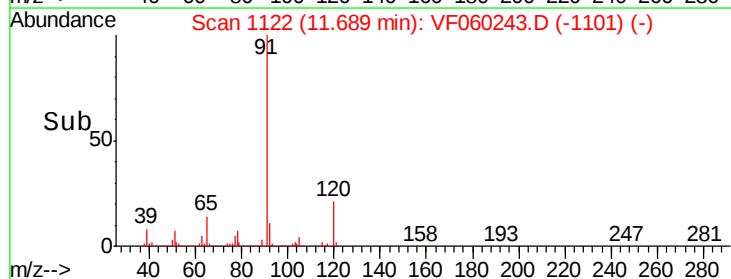
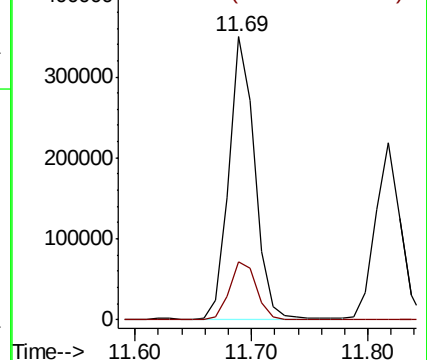
91 100

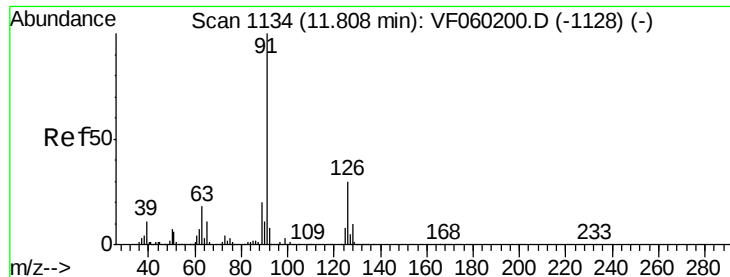
120 20.6 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.02 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

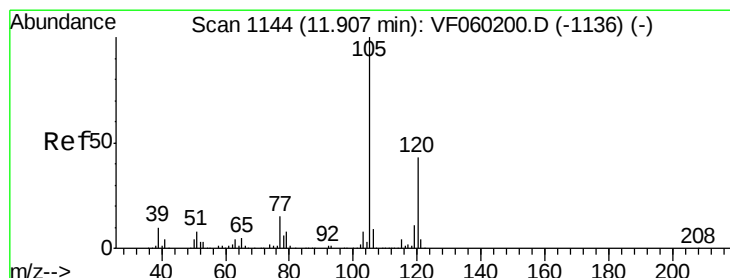
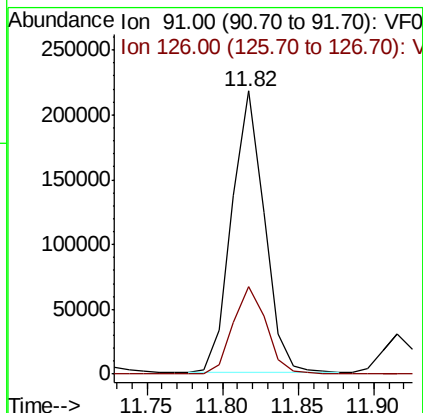
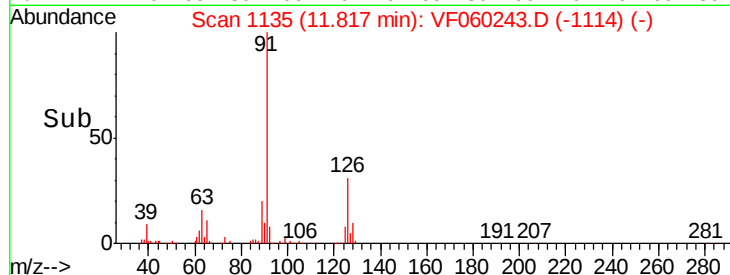
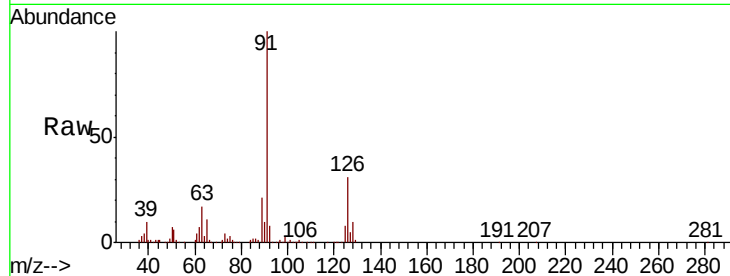
J4803-17MSD

Tot Ion: 91 Resp: 323347

Ion Ratio Lower Upper

91 100

126 30.9 15.2 45.5



#80

1,3,5-Trimethylbenzene

Concen: 55.03 ug/l

RT: 11.92 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF060243.D

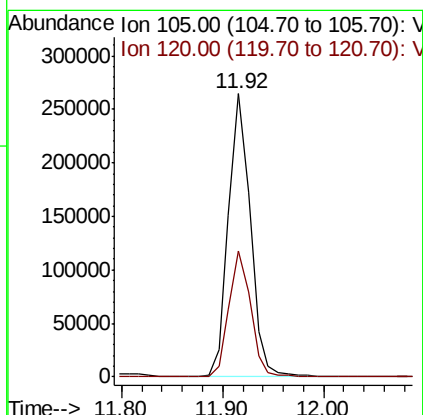
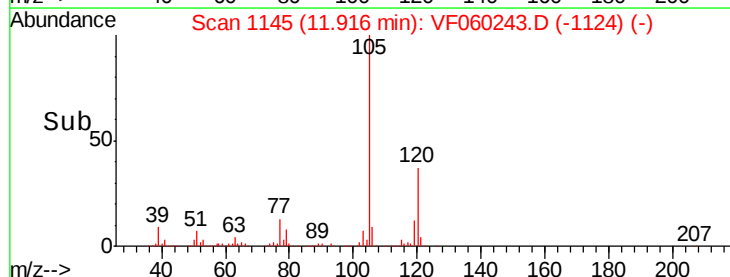
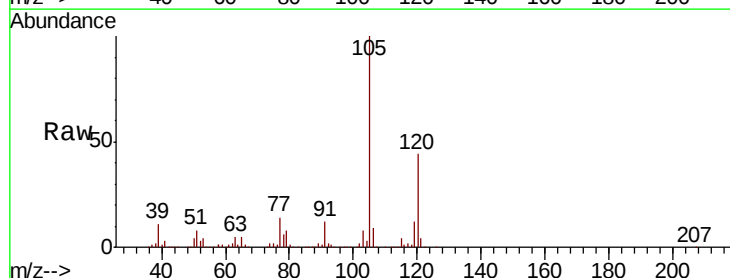
Acq: 10 Sep 2018 19:05

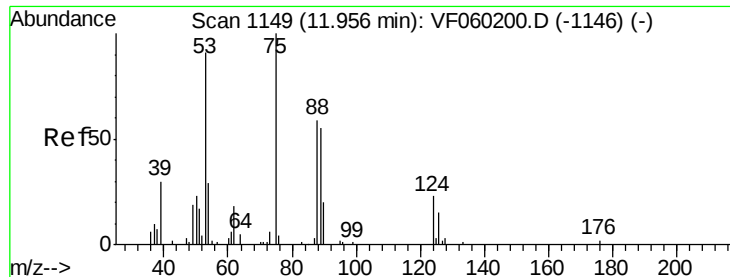
Tgt Ion: 105 Resp: 401652

Ion Ratio Lower Upper

105 100

120 44.4 21.6 64.8





#81

trans-1,4-Dichloro-2-butene

Concen: 108.30 ug/l

RT: 11.96 min Scan# 1150

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MSD

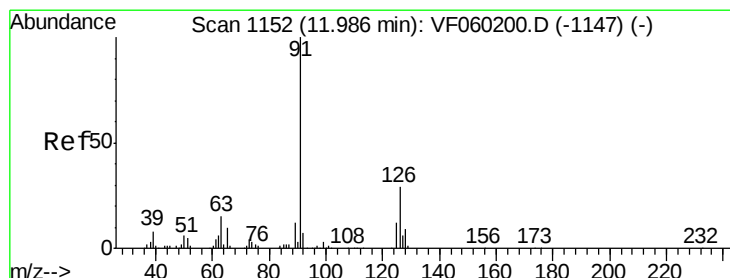
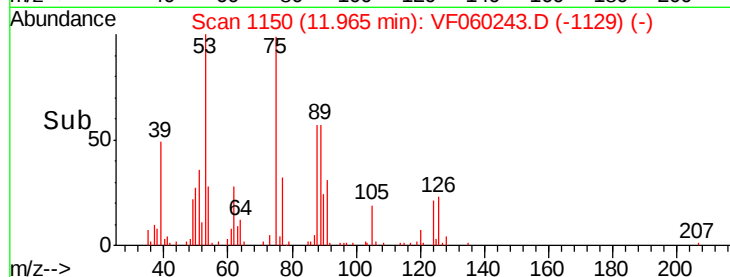
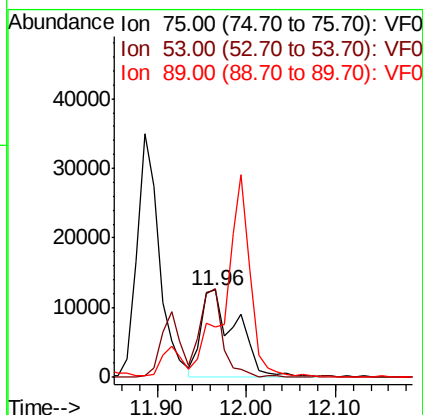
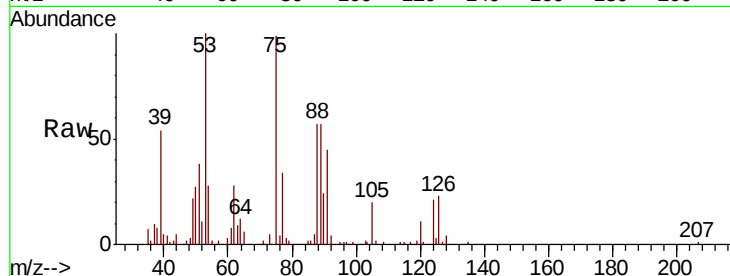
Tot Ion: 75 Resp: 34289

Ion Ratio Lower Upper

75 100

53 101.3 76.5 114.7

89 57.3 46.5 69.7



#82

4-Chlorotoluene

Concen: 53.13 ug/l

RT: 11.99 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF060243.D

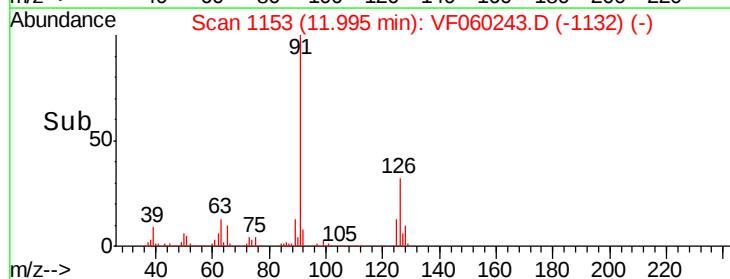
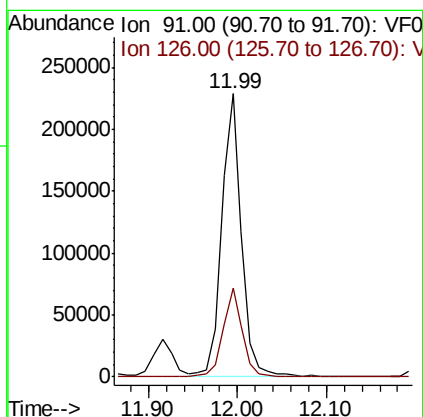
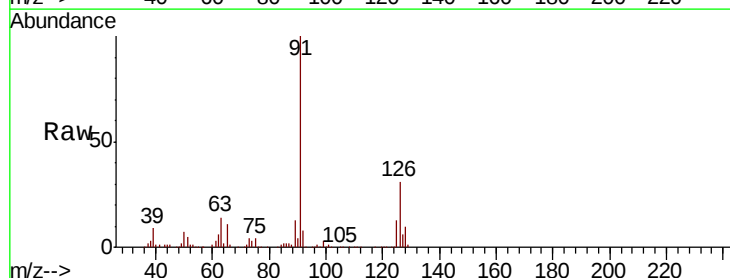
Acq: 10 Sep 2018 19:05

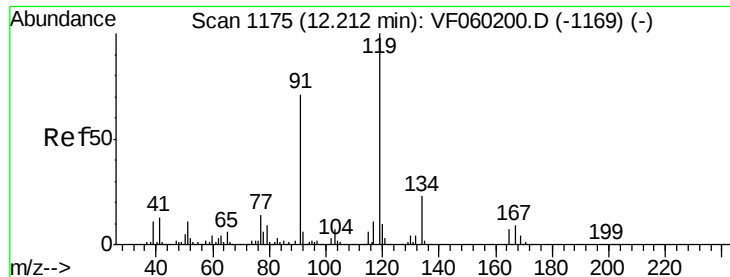
Tgt Ion: 91 Resp: 352901

Ion Ratio Lower Upper

91 100

126 31.4 14.4 43.4

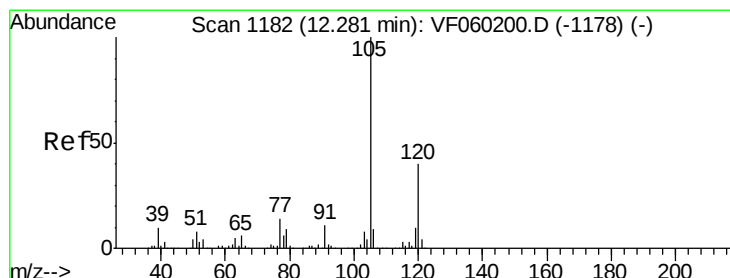
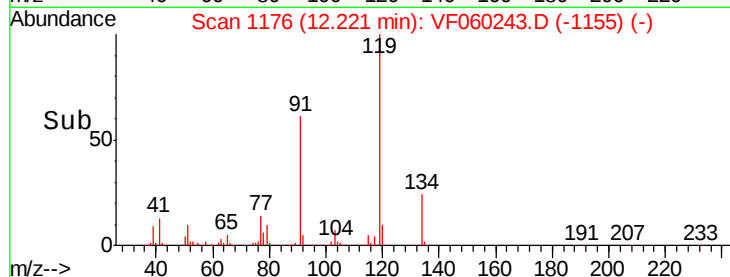
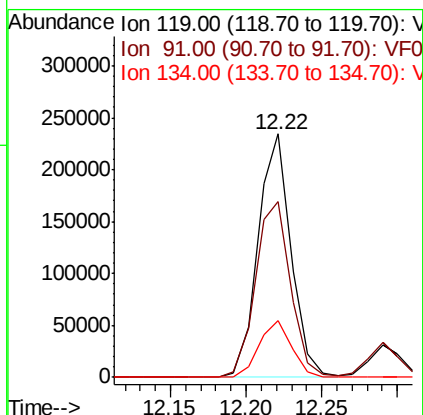
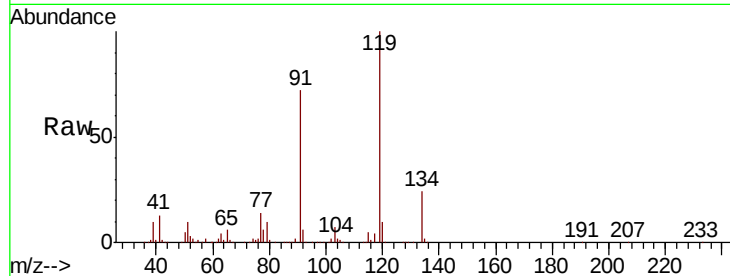




#83
 tert-Butylbenzene
 Concen: 53.67 ug/l
 RT: 12.22 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

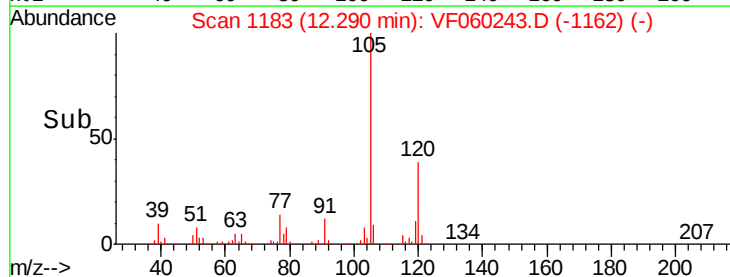
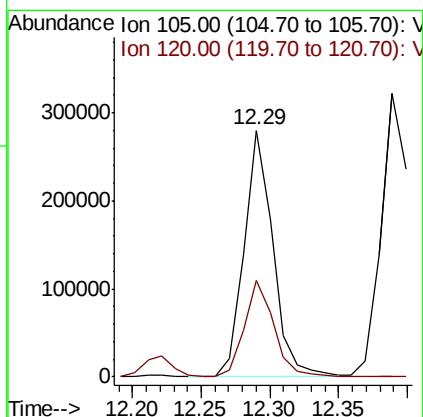
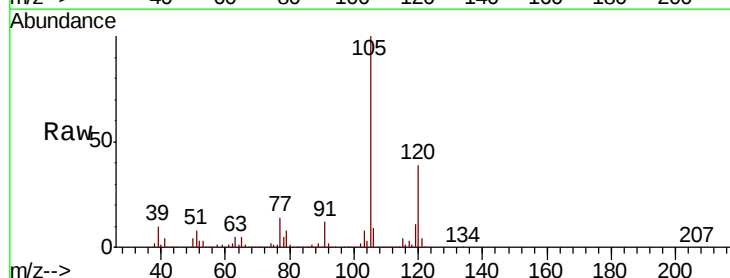
Instrument :
 MSVOA_F
 ClientSampleId :
 J4803-17MSD

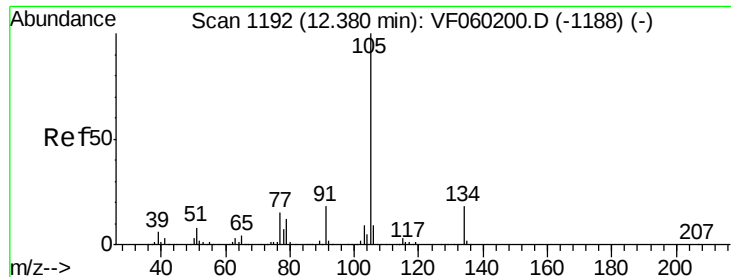
Tot Ion:119 Resp: 356981
 Ion Ratio Lower Upper
 119 100
 91 72.4 35.8 107.4
 134 23.5 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 55.47 ug/l
 RT: 12.29 min Scan# 1183
 Delta R.T. 0.01 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

Tgt Ion:105 Resp: 411329
 Ion Ratio Lower Upper
 105 100
 120 38.9 20.2 60.5

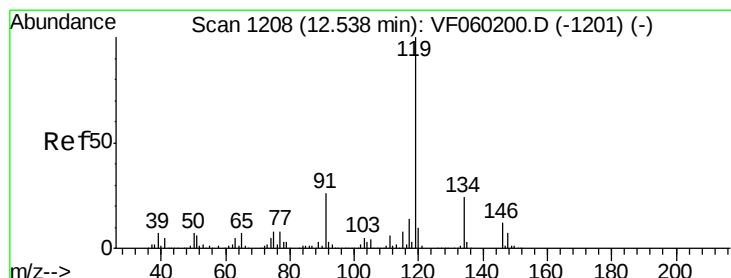
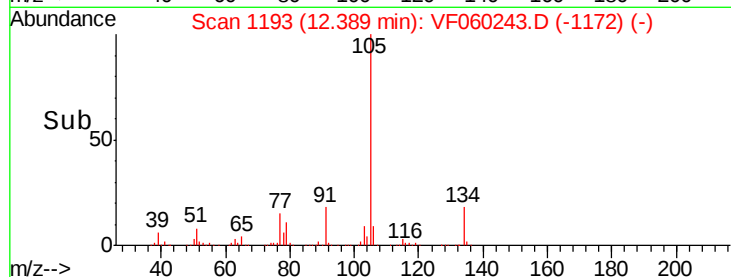
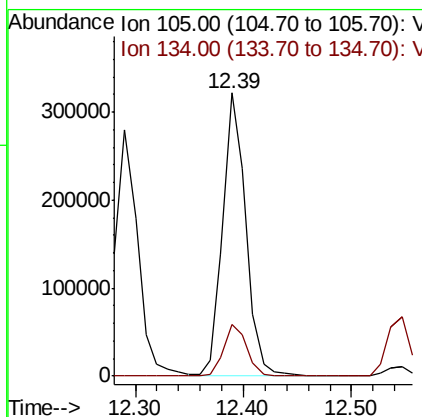
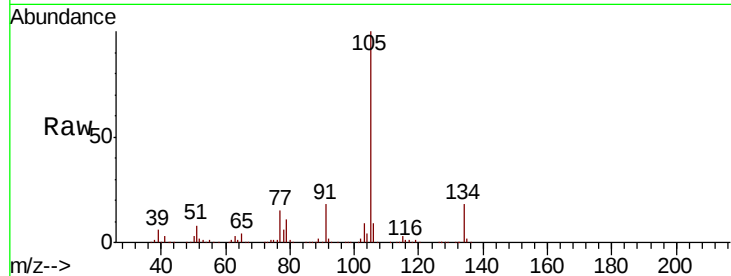




#85
 sec-Butylbenzene
 Concen: 52.08 ug/l
 RT: 12.39 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

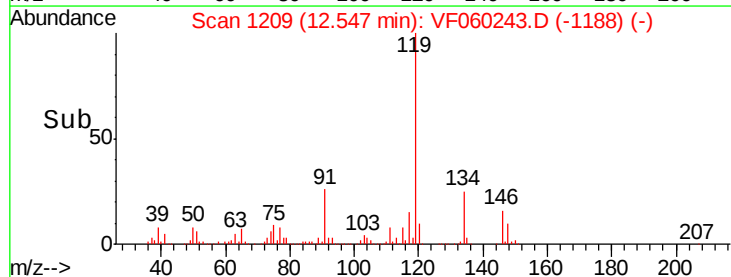
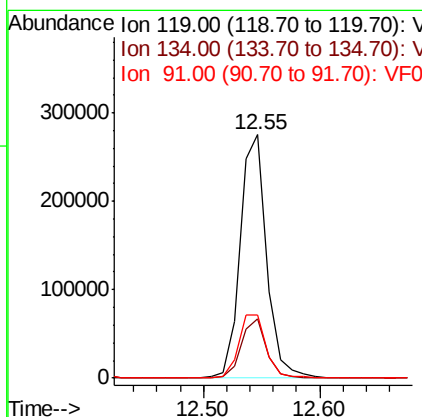
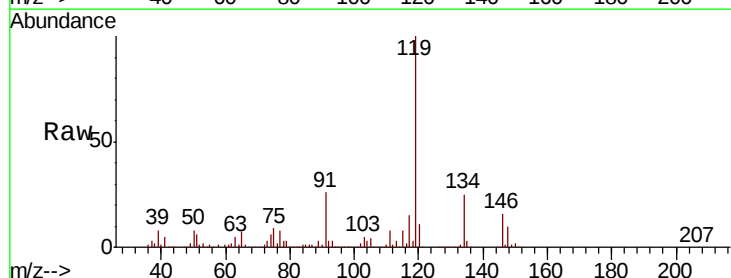
Instrument :
 MSVOA_F
 ClientSampleId :
 J4803-17MSD

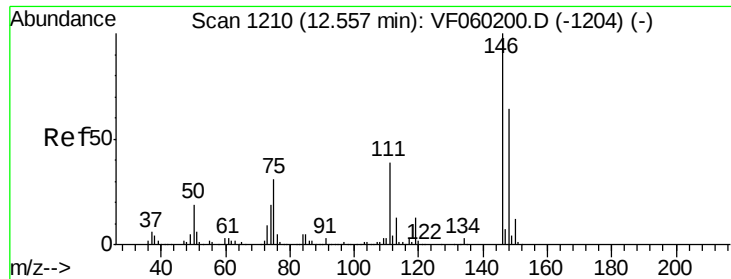
Tot Ion:105 Resp: 477844
 Ion Ratio Lower Upper
 105 100
 134 18.3 8.8 26.5



#86
 p-Isopropyltoluene
 Concen: 53.15 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

Tgt Ion:119 Resp: 433032
 Ion Ratio Lower Upper
 119 100
 134 24.5 12.0 36.0
 91 25.9 12.9 38.7

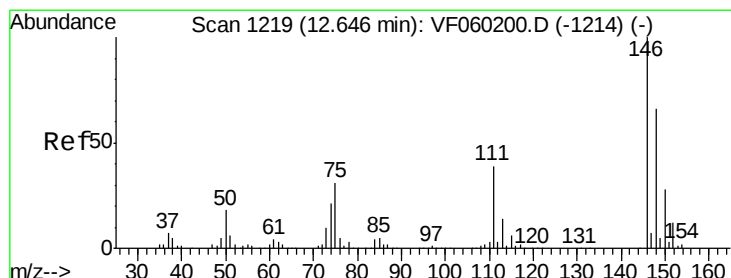
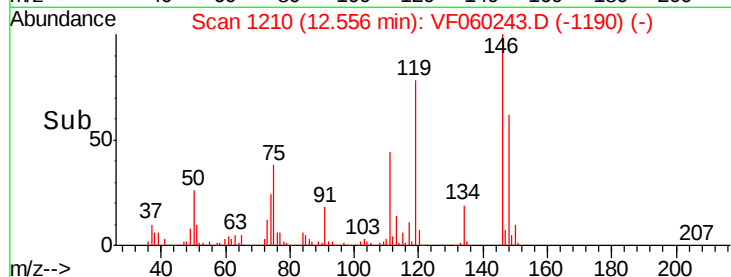
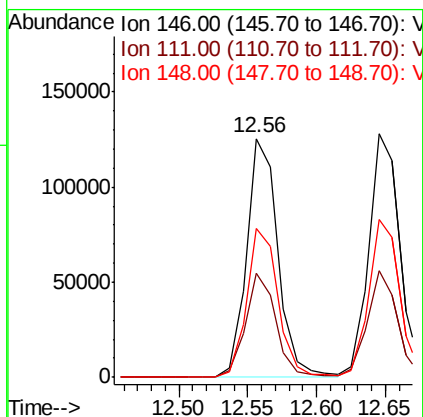
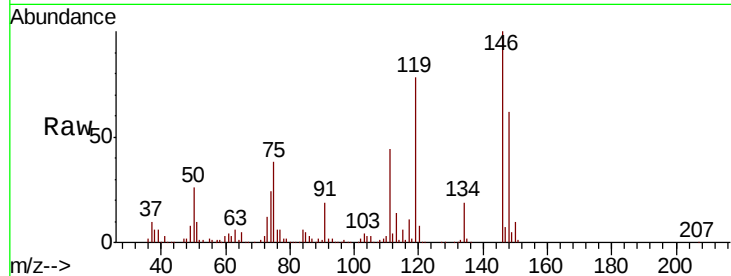




#87
 1,3-Dichlorobenzene
 Concen: 50.62 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

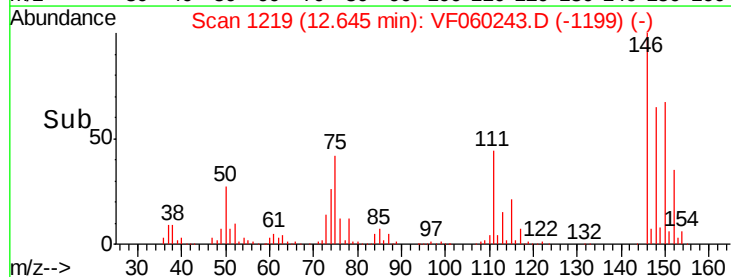
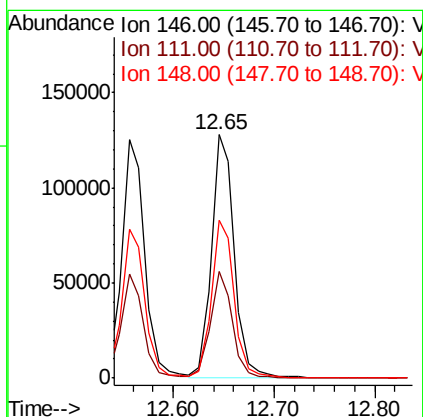
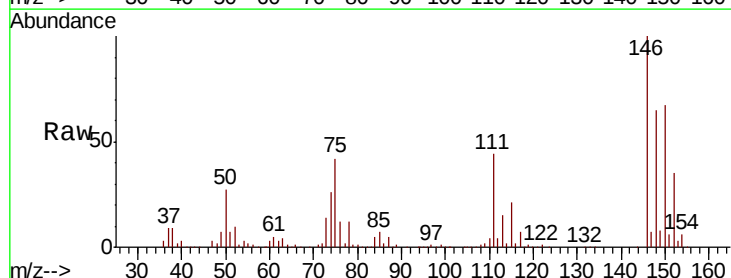
Instrument :
 MSVOA_F
 ClientSampleId :
 J4803-17MSD

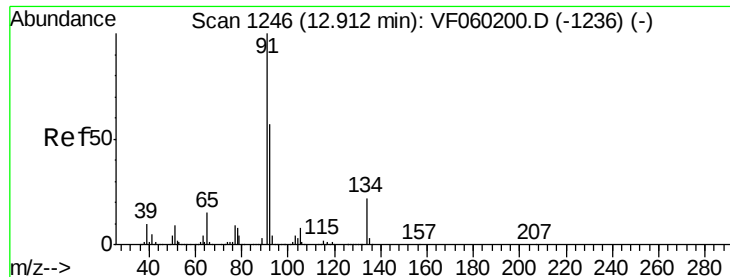
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	19.7	59.1
148	62.2	32.0	96.0



#88
 1,4-Dichlorobenzene
 Concen: 51.66 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	19.7	59.1
148	64.9	33.1	99.5





#89

n-Butylbenzene

Concen: 47.83 ug/l

RT: 12.92 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MSD

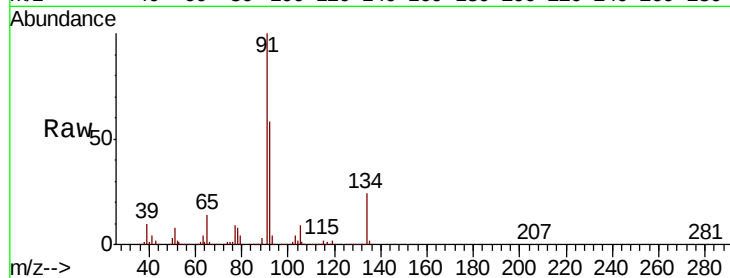
Tot Ion: 91 Resp: 376844

Ion Ratio Lower Upper

91 100

92 58.1 28.4 85.3

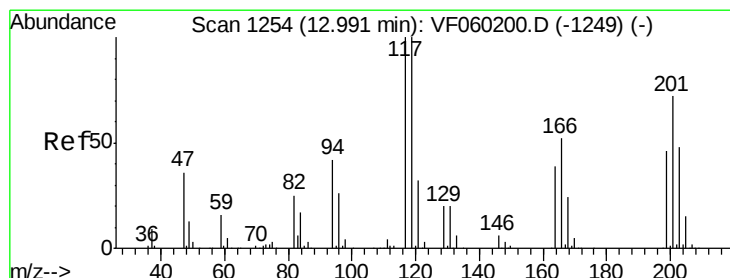
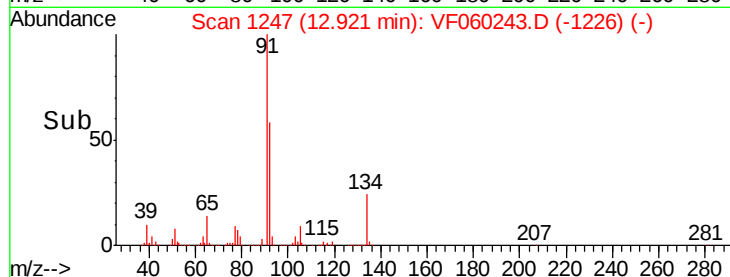
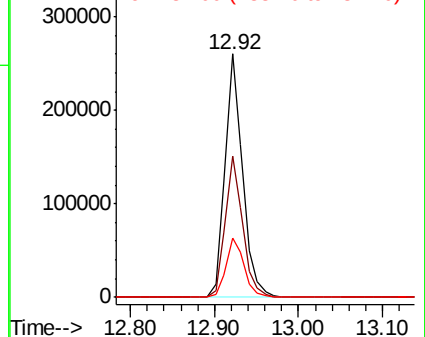
134 24.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 58.80 ug/l

RT: 13.00 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VF060243.D

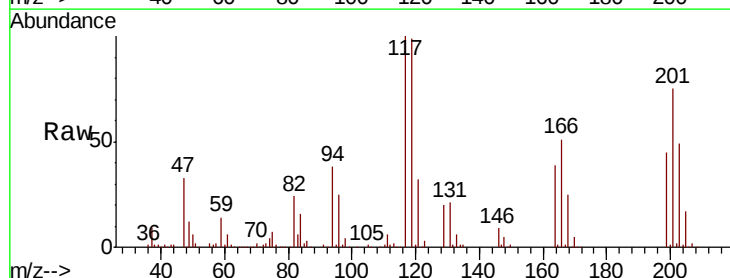
Acq: 10 Sep 2018 19:05

Tgt Ion: 117 Resp: 97106

Ion Ratio Lower Upper

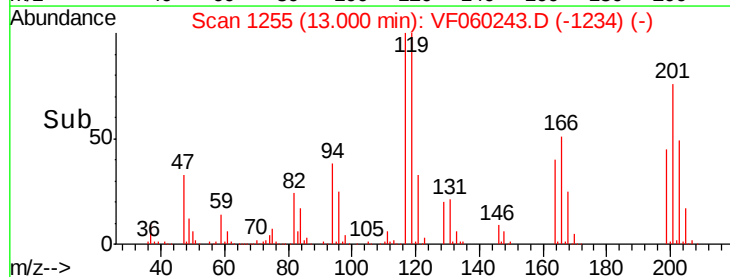
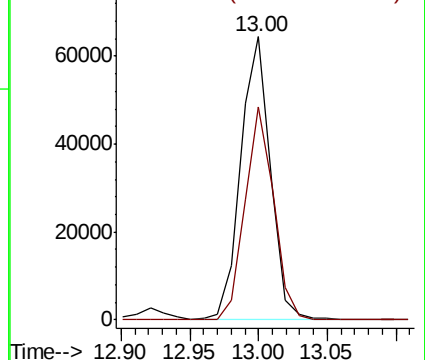
117 100

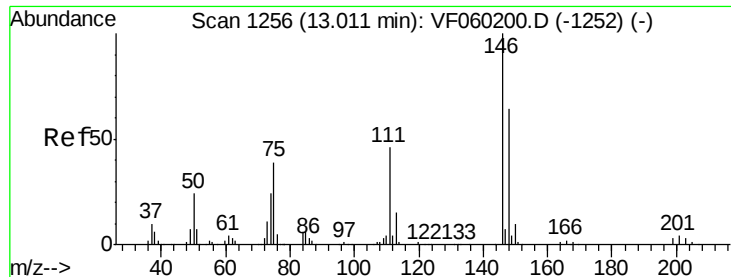
201 75.5 35.7 107.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 51.81 ug/l

RT: 13.02 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MSD

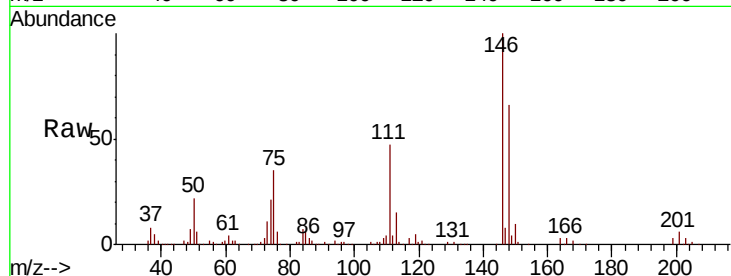
Tot Ion:146 Resp: 194614

Ion Ratio Lower Upper

146 100

111 47.0 23.0 69.0

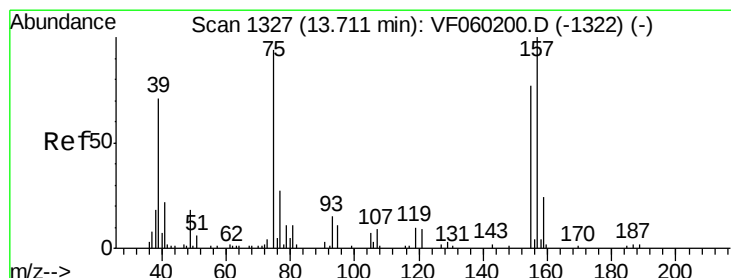
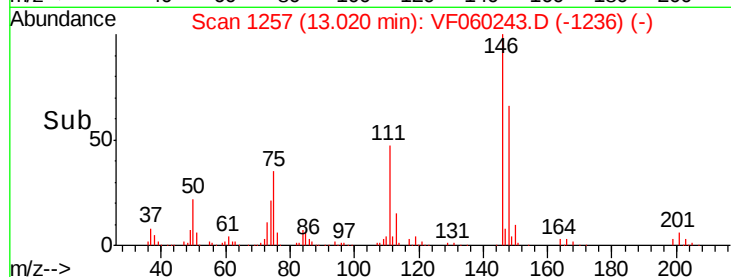
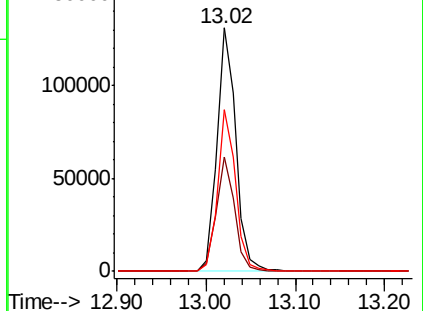
148 66.4 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.91 ug/l

RT: 13.72 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

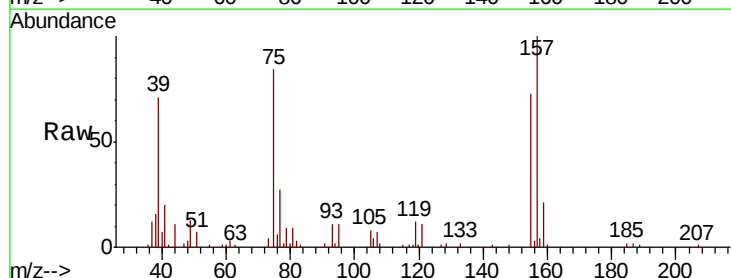
Tgt Ion: 75 Resp: 15836

Ion Ratio Lower Upper

75 100

155 87.1 40.8 122.5

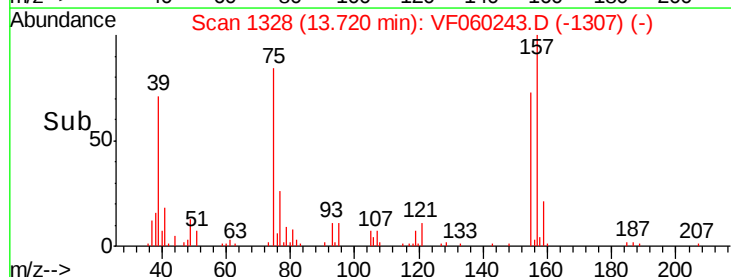
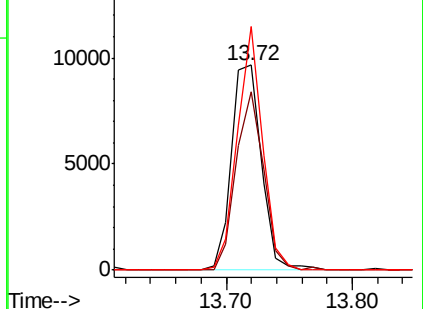
157 123.1 53.3 159.9

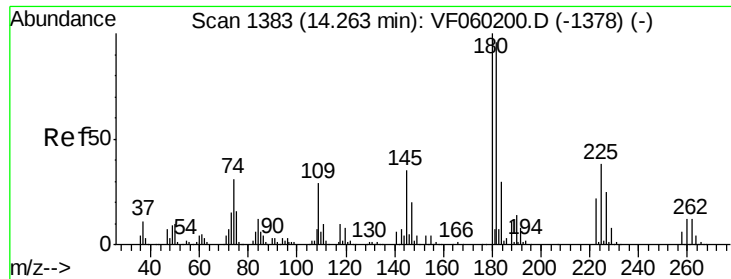


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

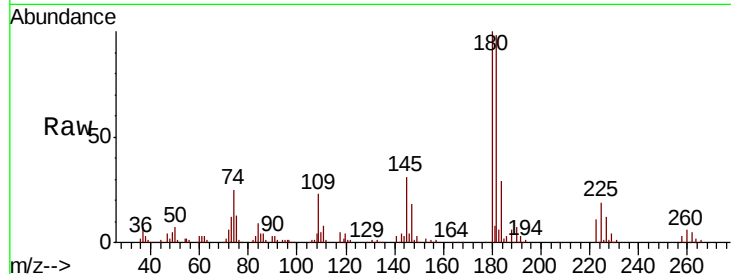




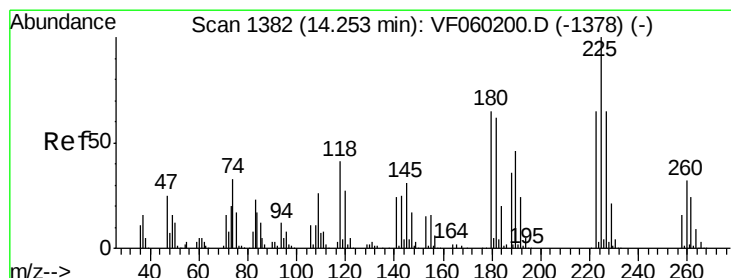
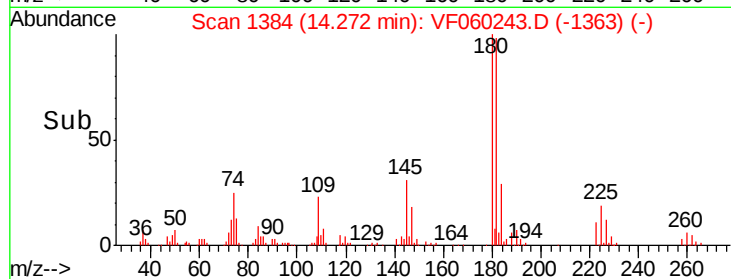
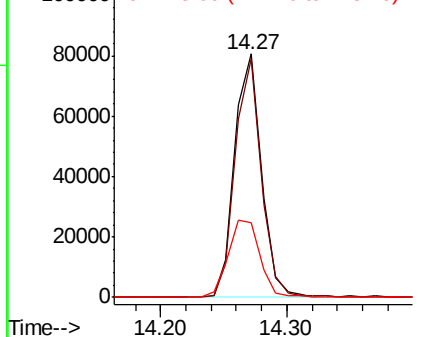
#93
 1,2,4-Trichlorobenzene
 Concen: 40.88 ug/l
 RT: 14.27 min Scan# 1384
 Delta R.T. 0.01 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

Instrument :
 MSVOA_F
 ClientSampleId :
 J4803-17MSD

Tot Ion:180 Resp: 118675
 Ion Ratio Lower Upper
 180 100
 182 97.8 48.2 144.6
 145 30.8 17.4 52.2

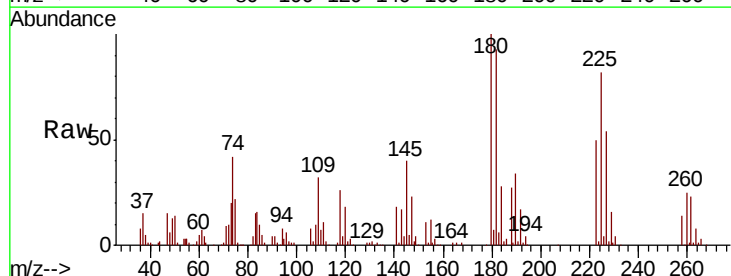


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

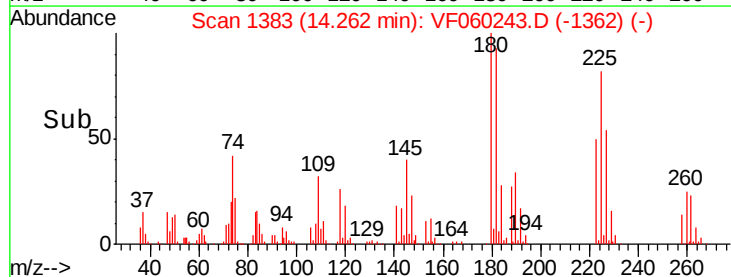
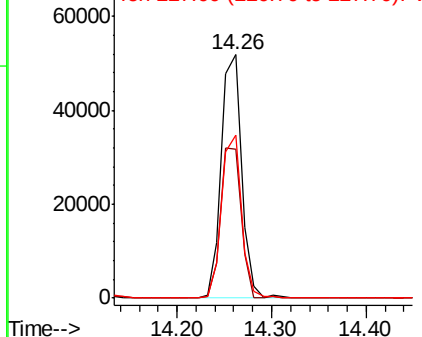


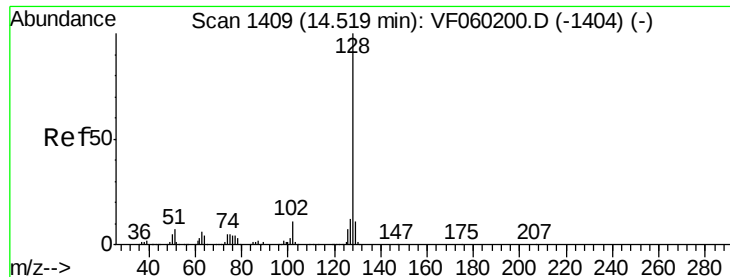
#94
 Hexachlorobutadiene
 Concen: 37.51 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. 0.01 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

Tgt Ion:225 Resp: 77610
 Ion Ratio Lower Upper
 225 100
 223 61.2 32.3 96.8
 227 66.8 32.4 97.0



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

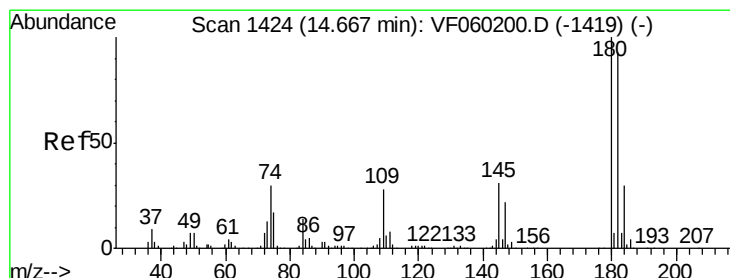
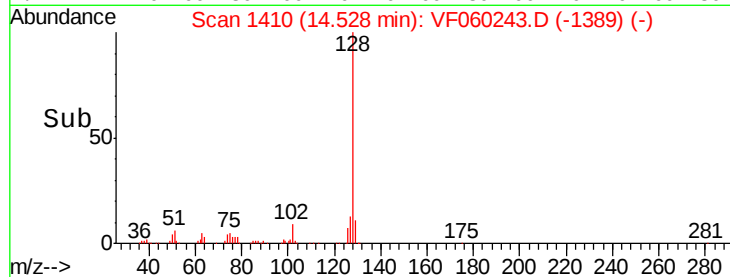
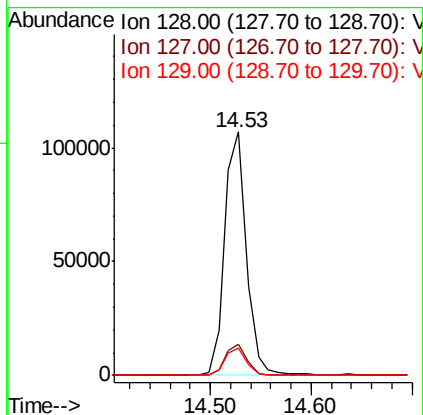
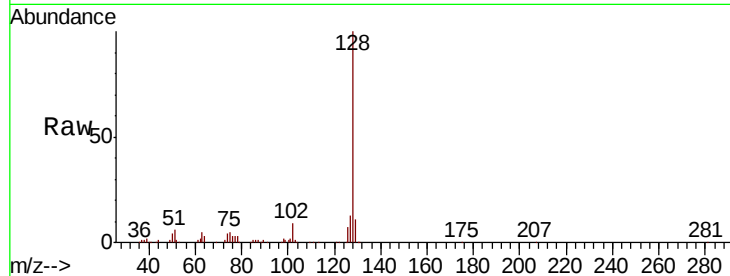




#95
Naphthalene
Concen: 36.25 ug/l
RT: 14.53 min Scan# 1410
Delta R.T. 0.01 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Instrument :
MSVOA_F
ClientSampled :
J4803-17MSD

Tot Ion:128 Resp: 160888
Ion Ratio Lower Upper
128 100
127 12.9 9.9 14.9
129 11.2 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 40.90 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. -0.00 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Tgt Ion:180 Resp: 111459
Ion Ratio Lower Upper
180 100
182 92.2 46.6 139.7
145 33.5 15.7 47.0

