

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091018\
 Data File : VF060242.D
 Acq On : 10 Sep 2018 18:37
 Operator : VA/AP
 Sample : J4803-18MS
 Misc : 5.67/5mL/MSVOA F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 J4803-17MS

Quant Time: Sep 11 07:17:50 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	5.05	168	141081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	208906	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	218586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	118051	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	123098	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
35) Dibromofluoromethane	4.29	113	17736	8.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.34%	
50) Toluene-d8	7.72	98	258616	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	11.51	95	140221	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	127909	47.56	ug/l	98
3) Chloromethane	1.06	50	72497	51.12	ug/l	97
4) Vinyl Chloride	1.11	62	68363	62.55	ug/l	97
5) Bromomethane	1.31	94	51502	52.60	ug/l	97
6) Chloroethane	1.39	64	39059	55.80	ug/l	99
7) Trichlorofluoromethane	1.48	101	180987	59.38	ug/l	99
8) Diethyl Ether	1.69	74	28054	62.25	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.86	101	80579	54.06	ug/l	89
10) Methyl Iodide	1.92	142	71038	52.91	ug/l	92
11) Tert butyl alcohol	2.66	59	24511	201.03	ug/l #	86
12) 1,1-Dichloroethene	1.82	96	62708	61.84	ug/l	87
13) Acrolein	2.22	56	262	Below	Cal	95
14) Allyl chloride	2.19	41	102721	67.54	ug/l	91
15) Acrylonitrile	3.07	53	58561	312.53	ug/l	96
16) Acetone	2.33	43	182781	332.66	ug/l	99
17) Carbon Disulfide	1.84	76	164246	55.57	ug/l	99
18) Methyl Acetate	2.52	43	64262	77.16	ug/l #	89
19) Methyl tert-butyl Ether	2.53	73	183406	54.67	ug/l	94
20) Methylene Chloride	2.28	84	66452	56.29	ug/l	96
21) trans-1,2-Dichloroethene	2.40	96	62608	60.34	ug/l	92
22) Diisopropyl ether	2.92	45	213631	56.05	ug/l	97
23) Vinyl Acetate	3.36	43	225	22.92	ug/l #	82
24) 1,1-Dichloroethane	3.00	63	154389	62.28	ug/l	98
25) 2-Butanone	4.50	43	193058	278.70	ug/l	99
26) 2,2-Dichloropropane	3.75	77	152287	44.48	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	81050	59.85	ug/l	95
28) Bromochloromethane	3.89	49	43569	51.61	ug/l	92
29) Tetrahydrofuran	4.24	42	57726	252.07	ug/l #	86
30) Chloroform	4.03	83	208499	57.41	ug/l	100
31) Cyclohexane	3.85	56	90261	53.22	ug/l	96
32) 1,1,1-Trichloroethane	4.28	97	190961	52.78	ug/l	97
36) 1,1-Dichloropropene	4.46	75	129090	52.50	ug/l	97
37) Ethyl Acetate	4.25	43	24373	17.78	ug/l #	1
38) Carbon Tetrachloride	4.17	117	159922	47.31	ug/l	91

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	92791	45.05	ug/l	97
40) Benzene	4.81	78	244206	55.74	ug/l	98
41) Methacrylonitrile	4.92	41	31920	49.91	ug/l #	89
42) 1,2-Dichloroethane	5.12	62	164913	52.09	ug/l	99
43) Isopropyl Acetate	7.12	43	13855	9.69	ug/l #	98
44) Trichloroethene	5.68	130	150173	84.64	ug/l	97
45) 1,2-Dichloropropane	6.41	63	67845	54.49	ug/l #	88
46) Dibromomethane	6.26	93	58915	53.74	ug/l	94
47) Bromodichloromethane	6.55	83	152352	51.20	ug/l #	96
48) Methyl methacrylate	6.87	41	15160	13.34	ug/l	95
49) 1,4-Dioxane	6.86	88	8041	481.69	ug/l #	69
51) 4-Methyl-2-Pentanone	8.41	43	343861	270.61	ug/l	98
52) Toluene	7.79	92	177027	52.18	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	134571	53.82	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	138740	53.45	ug/l	100
55) 1,1,2-Trichloroethane	8.64	97	60007	48.09	ug/l	98
56) Ethyl methacrylate	8.76	69	39255	27.52	ug/l	98
57) 1,3-Dichloropropane	9.00	76	116264	52.40	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	37944	247.34	ug/l	100
59) 2-Hexanone	9.63	43	257910	271.48	ug/l	99
60) Dibromochloromethane	8.87	129	108560	52.53	ug/l	93
61) 1,2-Dibromoethane	9.14	107	74819	49.99	ug/l	91
64) Tetrachloroethene	8.31	164	150598	68.81	ug/l	98
65) Chlorobenzene	9.95	112	227119	50.20	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	94667	47.21	ug/l	95
67) Ethyl Benzene	10.04	91	416299	49.32	ug/l	97
68) m/p-Xylenes	10.27	106	296683	104.76	ug/l	93
69) o-Xylene	10.83	106	151561	50.17	ug/l	97
70) Styrene	10.90	104	234735	51.26	ug/l	98
71) Bromoform	10.89	173	68596	59.25	ug/l #	93
73) Isopropylbenzene	11.23	105	472394	58.01	ug/l	100
74) N-amyl acetate	11.46	43	21583	16.83	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	74302	57.26	ug/l	88
77) Bromobenzene	11.60	156	124538	58.40	ug/l	96
78) n-propylbenzene	11.69	91	537333	55.07	ug/l	94
79) 2-Chlorotoluene	11.82	91	326268	55.35	ug/l	97
80) 1,3,5-Trimethylbenzene	11.92	105	392688	54.63	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	40191	128.41	ug/l	93
82) 4-Chlorotoluene	12.00	91	357291	54.62	ug/l	93
83) tert-Butylbenzene	12.22	119	341571	52.15	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	415331	56.87	ug/l	99
85) sec-Butylbenzene	12.39	105	456537	50.52	ug/l	99
86) p-Isopropyltoluene	12.54	119	413292	51.51	ug/l	96
87) 1,3-Dichlorobenzene	12.56	146	202992	52.09	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	207623	53.84	ug/l	98
89) n-Butylbenzene	12.92	91	353155	45.51	ug/l	96
90) Hexachloroethane	13.00	117	88723	54.54	ug/l	87
91) 1,2-Dichlorobenzene	13.02	146	201628	54.50	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	18970	60.71	ug/l	76
93) 1,2,4-Trichlorobenzene	14.27	180	125130	43.76	ug/l	97

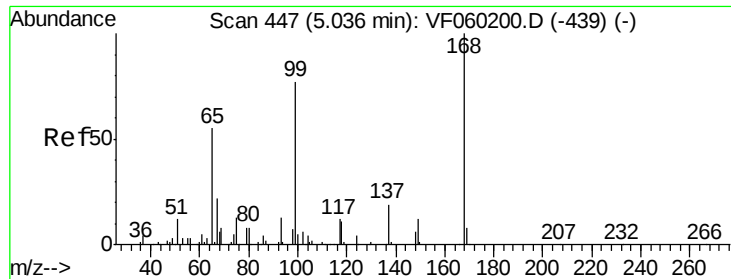
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF091018\
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Quant Title : SW846 8260
QLast Update : Fri Sep 07 10:44:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.25	225	65971	32.37	ug/l	97
95) Naphthalene	14.52	128	155269	35.58	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	112082	41.76	ug/l	98

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

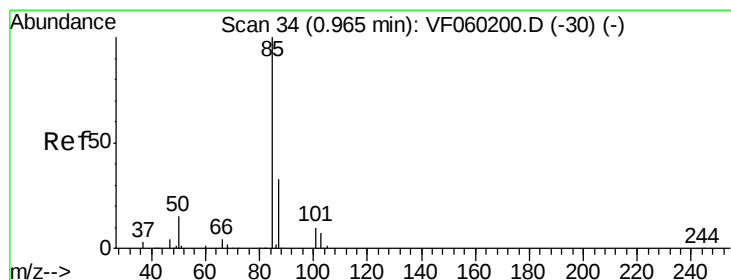
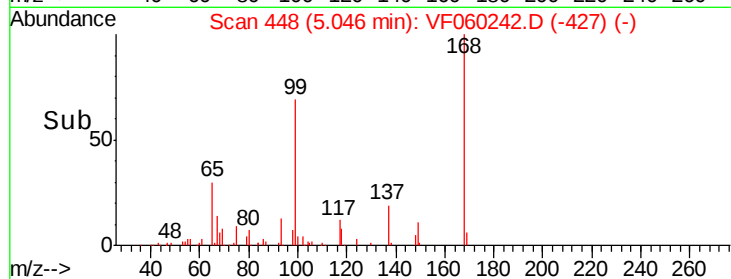
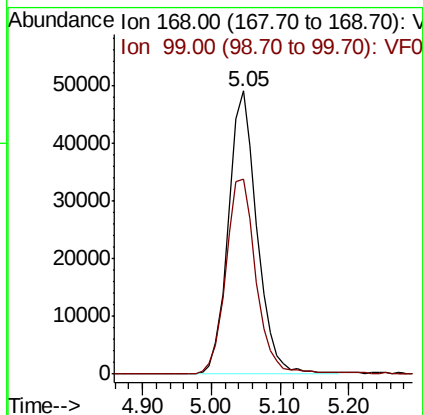
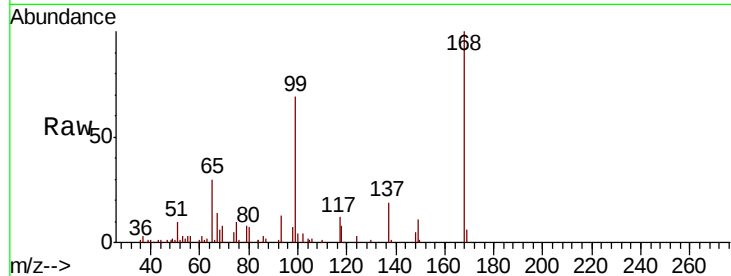


#1

Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.05 min Scan# 448
 Delta R.T. 0.01 min
 Lab File: VF060242.D
 Acq: 10 Sep 2018 18:37

Instrument :
 MSVOA_F
 ClientSampleId :
 J4803-17MS

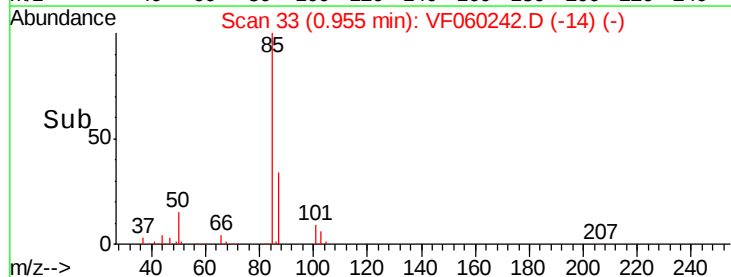
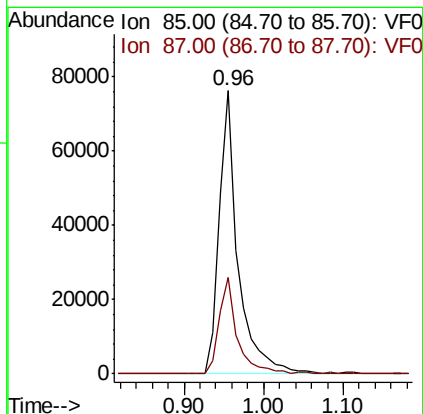
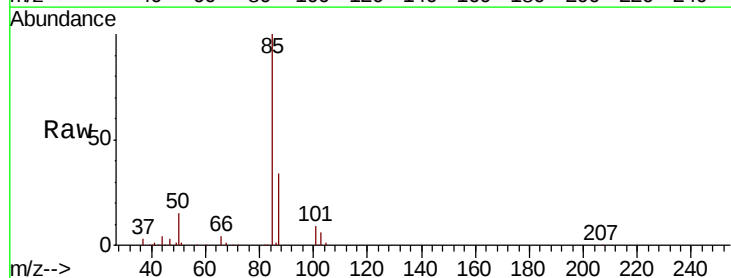
Tot Ion:168 Resp: 141081
 Ion Ratio Lower Upper
 168 100
 99 69.0 61.8 92.6

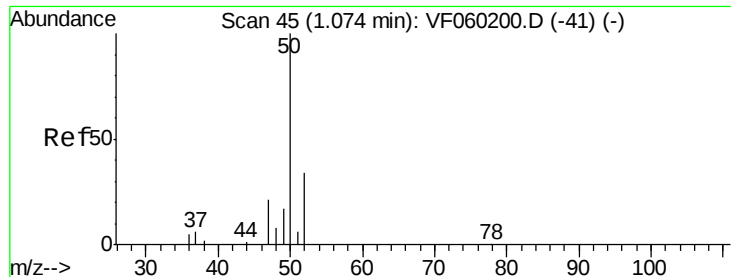


#2

Dichlorodifluoromethane
 Concen: 47.56 ug/l
 RT: 0.96 min Scan# 33
 Delta R.T. -0.01 min
 Lab File: VF060242.D
 Acq: 10 Sep 2018 18:37

Tgt Ion: 85 Resp: 127909
 Ion Ratio Lower Upper
 85 100
 87 34.0 16.3 48.9





#3

Chloromethane

Concen: 51.12 ug/l

RT: 1.06 min Scan# 44

Delta R.T. -0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

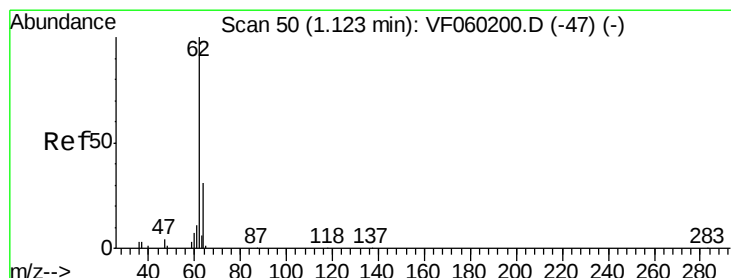
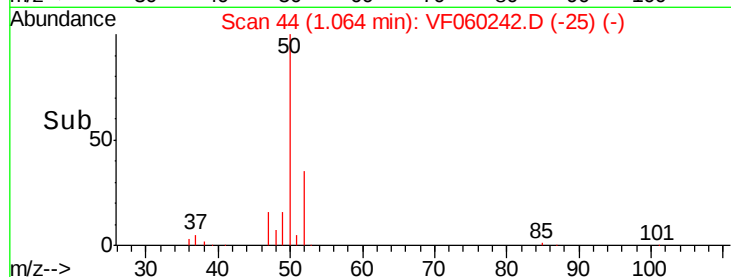
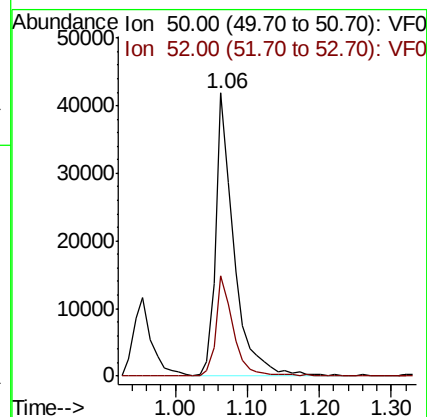
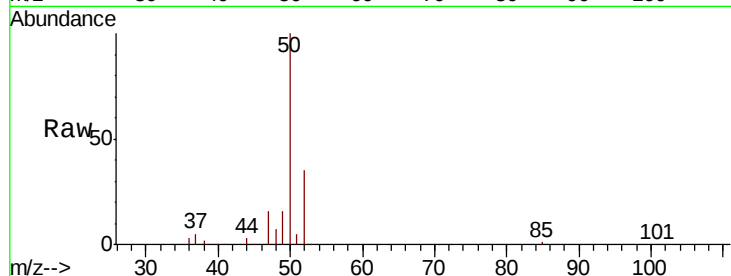
J4803-17MS

Tot Ion: 50 Resp: 72497

Ion Ratio Lower Upper

50 100

52 35.2 26.9 40.3



#4

Vinyl Chloride

Concen: 62.55 ug/l

RT: 1.11 min Scan# 49

Delta R.T. -0.01 min

Lab File: VF060242.D

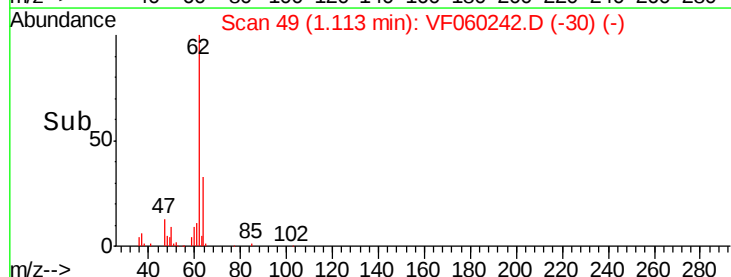
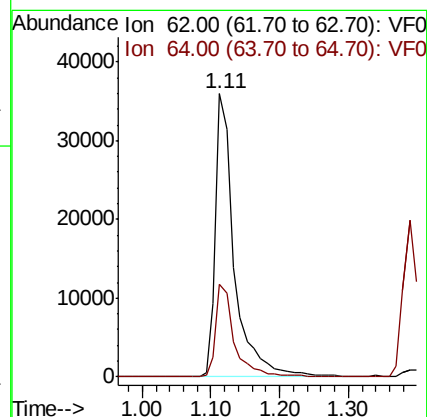
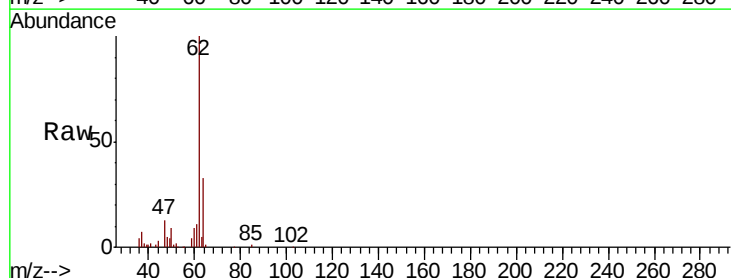
Acq: 10 Sep 2018 18:37

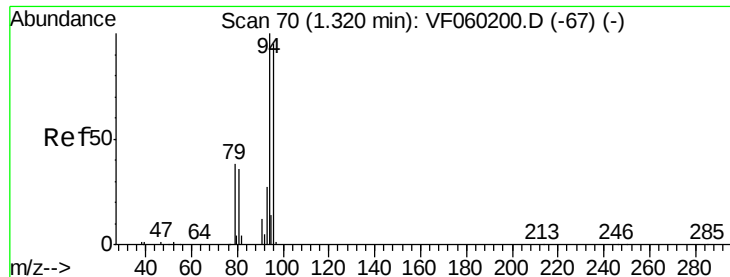
Tgt Ion: 62 Resp: 68363

Ion Ratio Lower Upper

62 100

64 32.8 24.8 37.2





#5

Bromomethane

Concen: 52.60 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

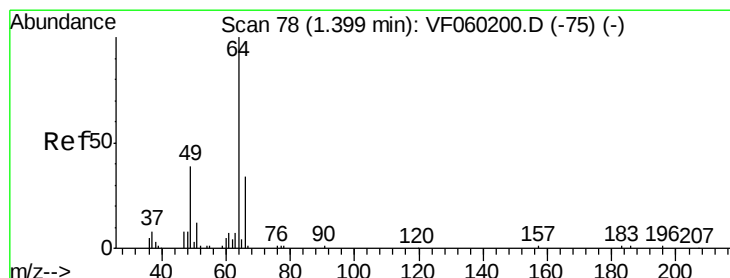
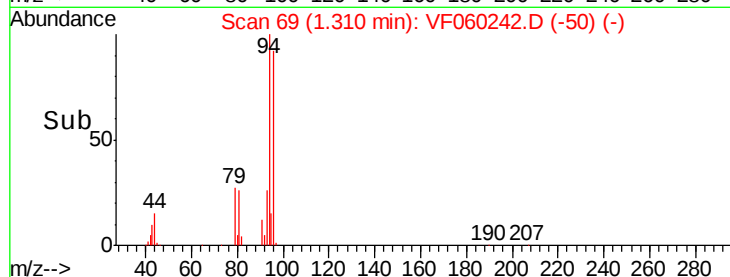
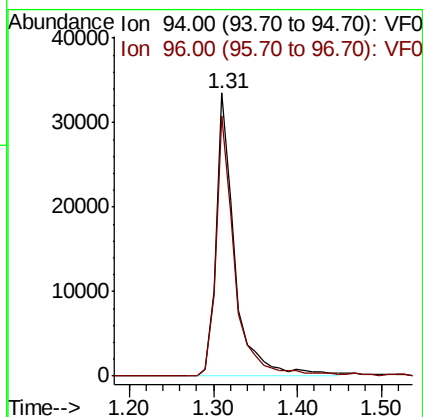
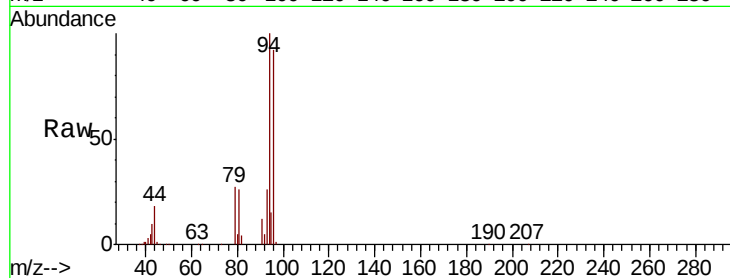
J4803-17MS

Tot Ion: 94 Resp: 51502

Ion Ratio Lower Upper

94 100

96 92.1 75.8 113.6



#6

Chloroethane

Concen: 55.80 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF060242.D

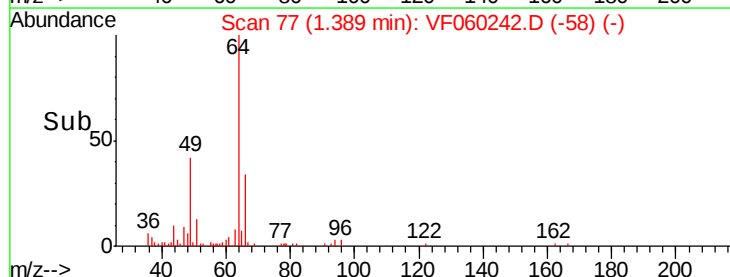
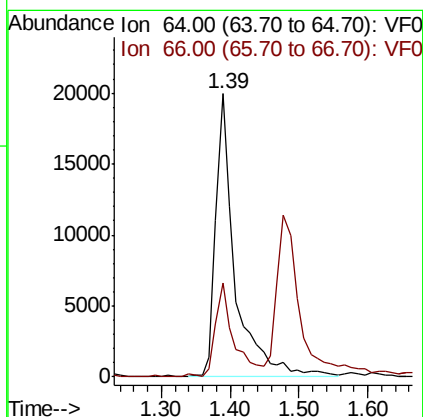
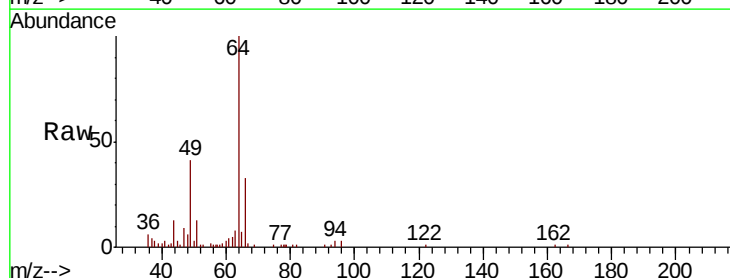
Acq: 10 Sep 2018 18:37

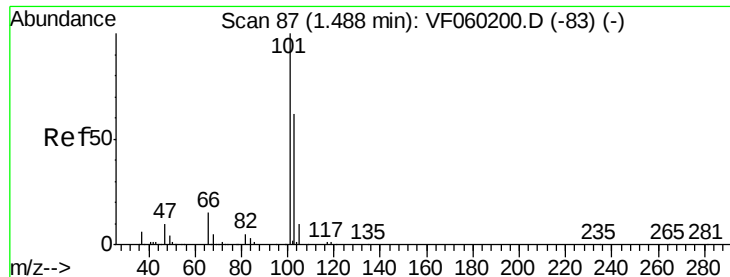
Tgt Ion: 64 Resp: 39059

Ion Ratio Lower Upper

64 100

66 33.3 27.1 40.7





#7

Trichlorofluoromethane

Concen: 59.38 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

Instrument :

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ClientSampleId :

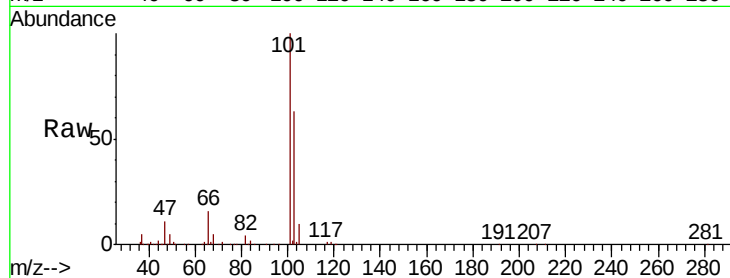
J4803-17MS

Tot Ion:101 Resp: 180987

Ion Ratio Lower Upper

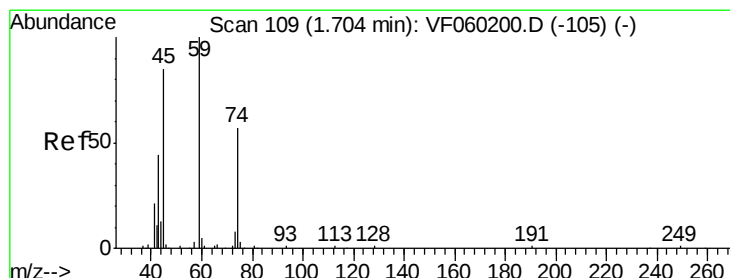
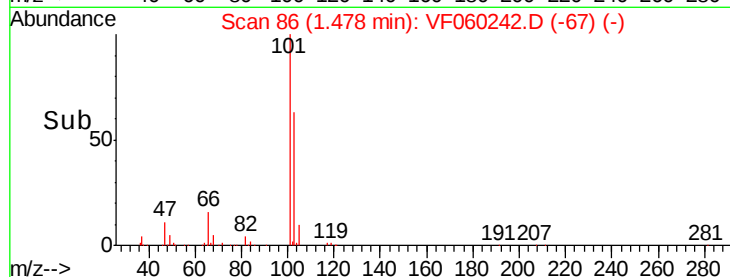
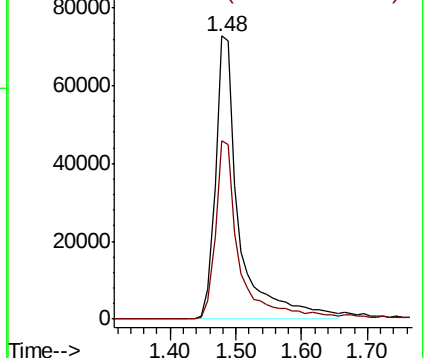
101 100

103 62.8 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: 62.25 ug/l

RT: 1.69 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060242.D

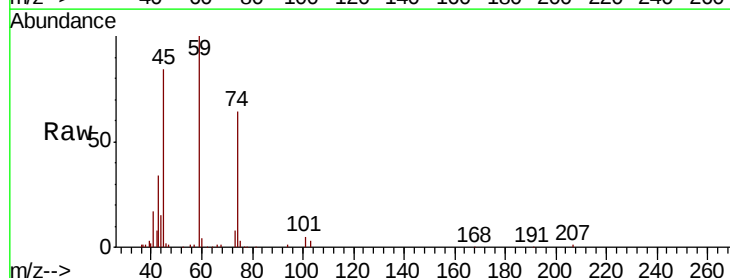
Acq: 10 Sep 2018 18:37

Tgt Ion: 74 Resp: 28054

Ion Ratio Lower Upper

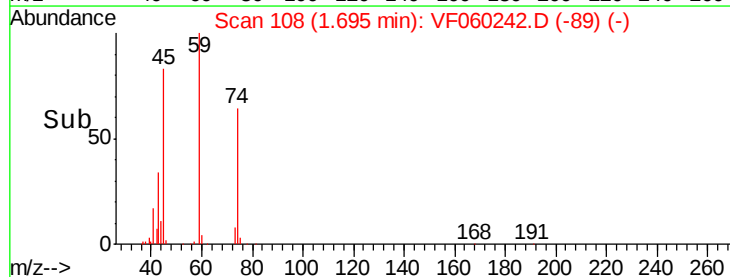
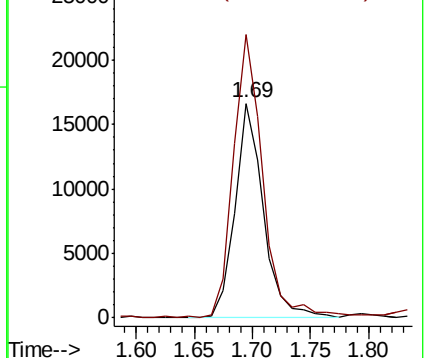
74 100

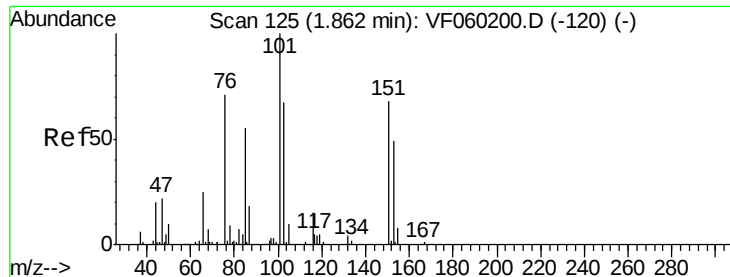
45 132.1 75.3 225.7



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: 54.06 ug/l

RT: 1.86 min Scan# 125

Delta R.T. -0.00 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

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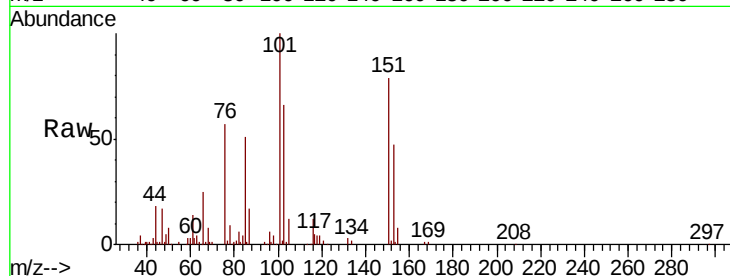
Tot Ion:101 Resp: 80579

Ion Ratio Lower Upper

101 100

85 50.6 43.0 64.4

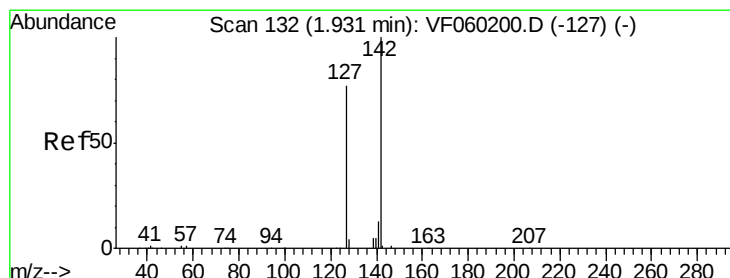
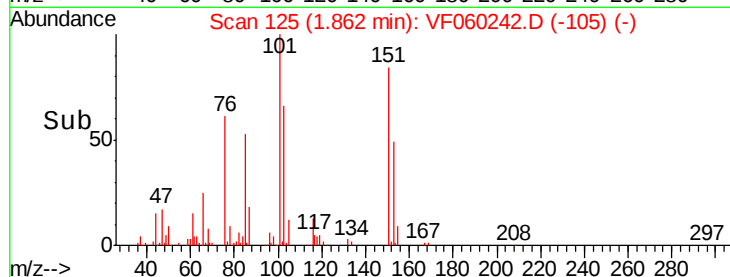
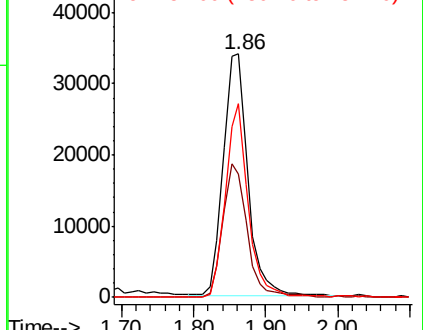
151 79.5 53.6 80.4



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: 52.91 ug/l

RT: 1.92 min Scan# 131

Delta R.T. -0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

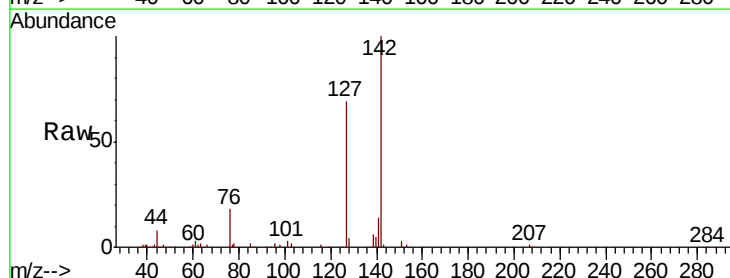
Tgt Ion:142 Resp: 71038

Ion Ratio Lower Upper

142 100

127 68.9 61.1 91.7

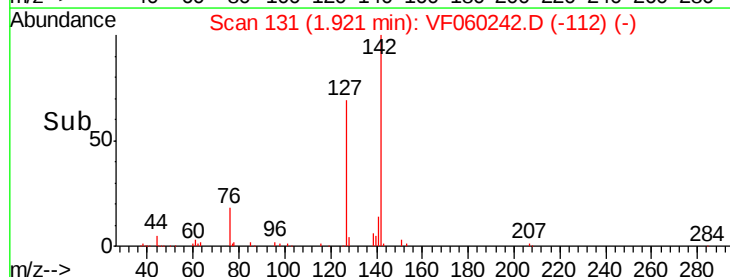
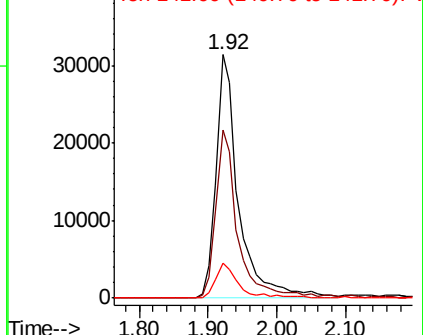
141 14.5 10.6 15.8

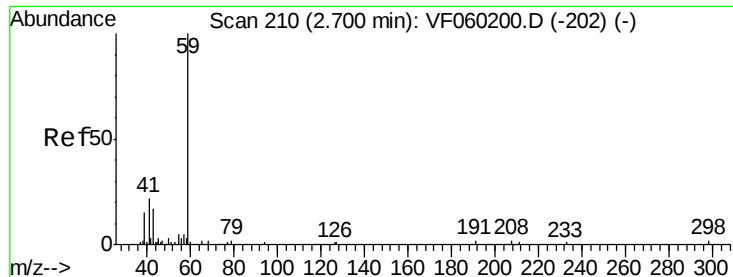


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

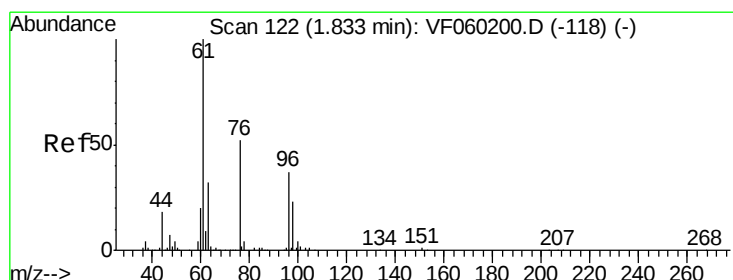
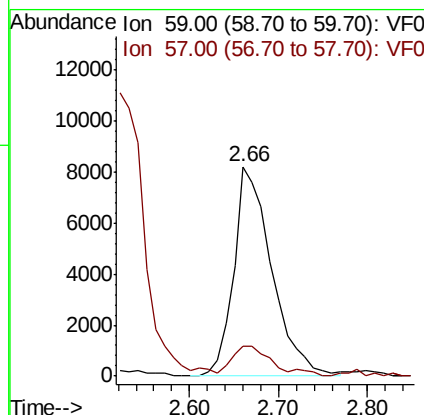
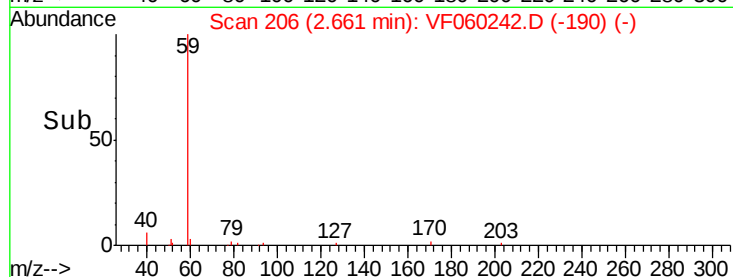
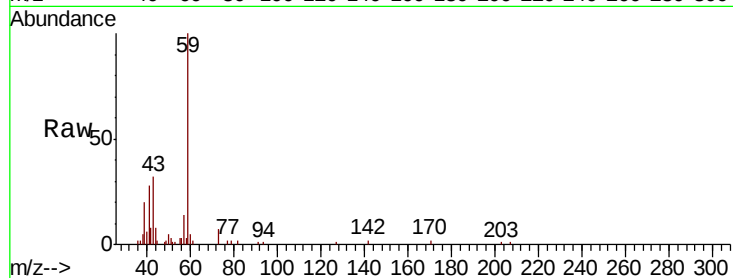




#11
Tert butyl alcohol
Concen: 201.03 ug/l
RT: 2.66 min Scan# 206
Delta R.T. -0.04 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

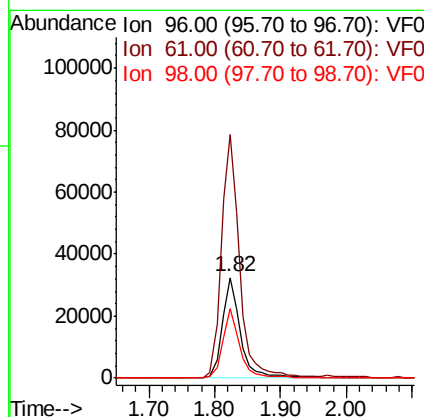
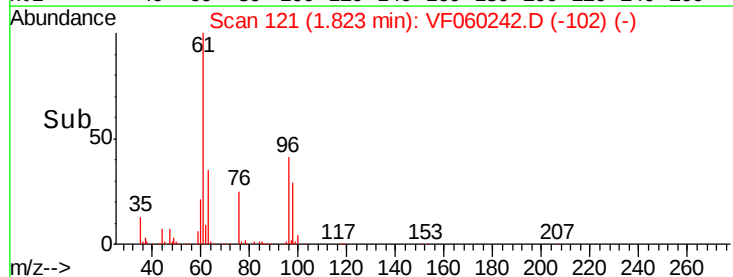
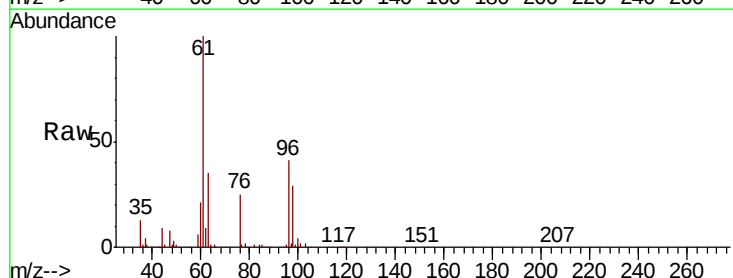
Instrument :
MSVOA_F
ClientSampleId :
J4803-17MS

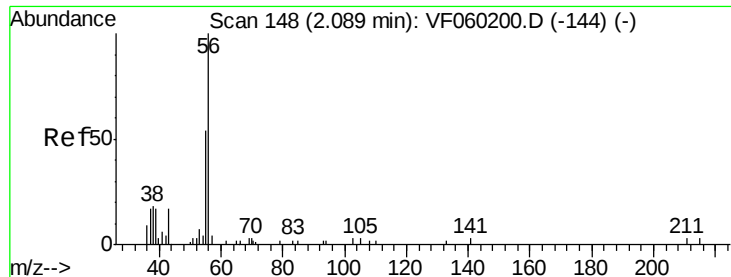
Tot Ion: 59 Resp: 24511
Ion Ratio Lower Upper
59 100
57 14.2 7.2 10.8#



#12
1,1-Dichloroethene
Concen: 61.84 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.01 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

Tgt Ion: 96 Resp: 62708
Ion Ratio Lower Upper
96 100
61 242.5 214.6 321.8
98 69.4 50.7 76.1





#13

Acrolein

Concen: Below Cal

RT: 2.22 min Scan# 161

Delta R.T. 0.13 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

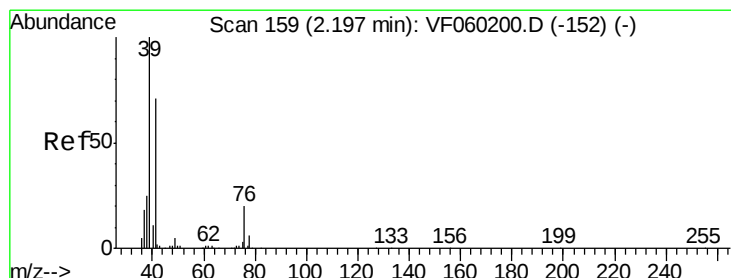
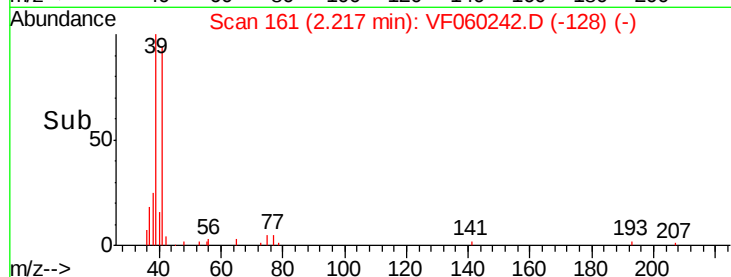
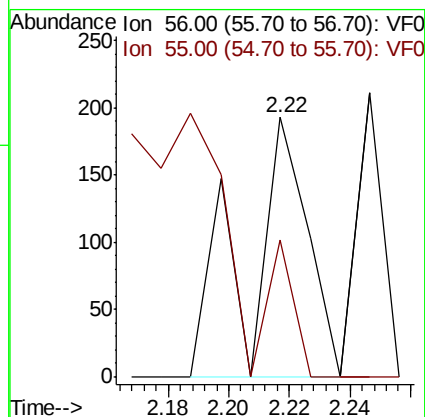
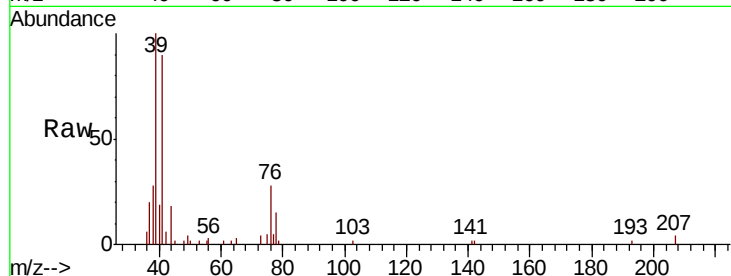
J4803-17MS

Tot Ion: 56 Resp: 262

Ion Ratio Lower Upper

56 100

55 52.8 45.1 67.7



#14

Allyl chloride

Concen: 67.54 ug/l

RT: 2.19 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

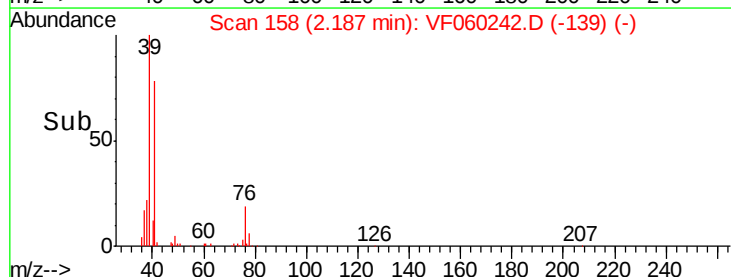
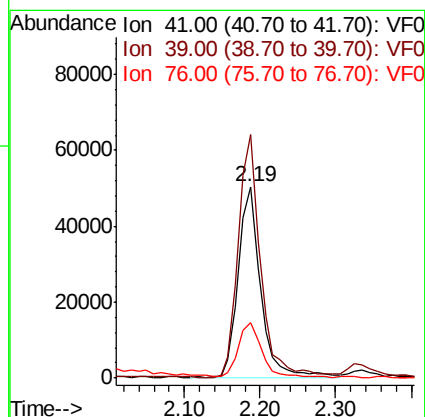
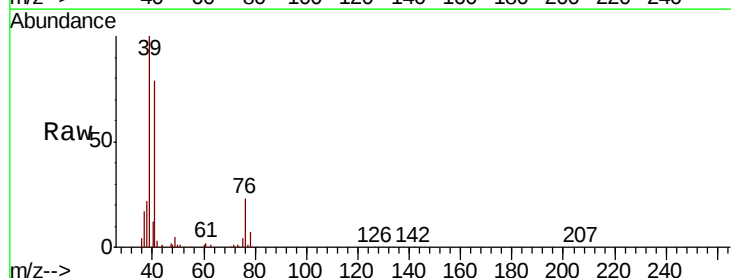
Tgt Ion: 41 Resp: 102721

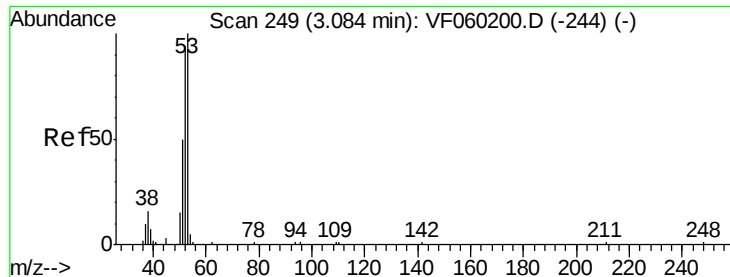
Ion Ratio Lower Upper

41 100

39 127.2 112.2 168.2

76 29.0 23.2 34.8





#15

Acrylonitrile

Concen: 312.53 ug/l

RT: 3.07 min Scan# 248

Delta R.T. -0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MS

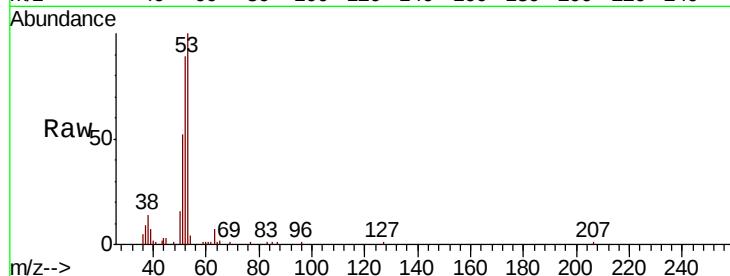
Tot Ion: 53 Resp: 58561

Ion Ratio Lower Upper

53 100

52 89.3 75.0 112.6

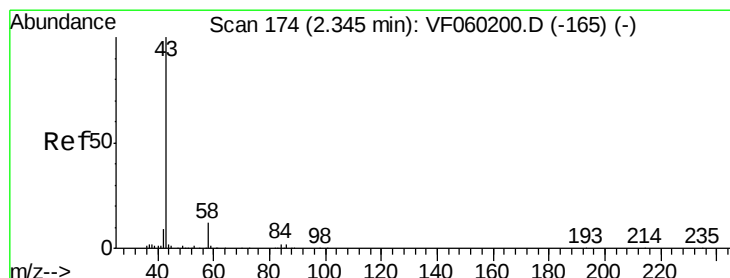
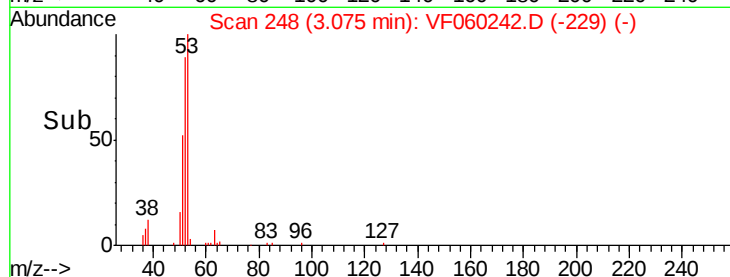
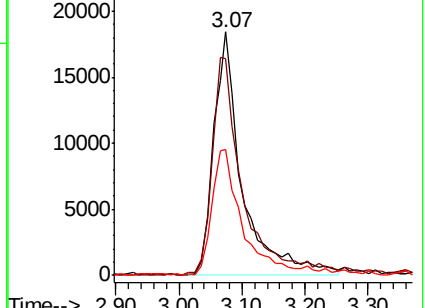
51 51.7 39.9 59.9



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: 332.66 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.02 min

Lab File: VF060242.D

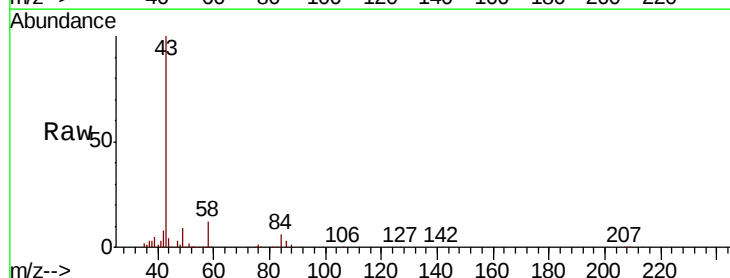
Acq: 10 Sep 2018 18:37

Tgt Ion: 43 Resp: 182781

Ion Ratio Lower Upper

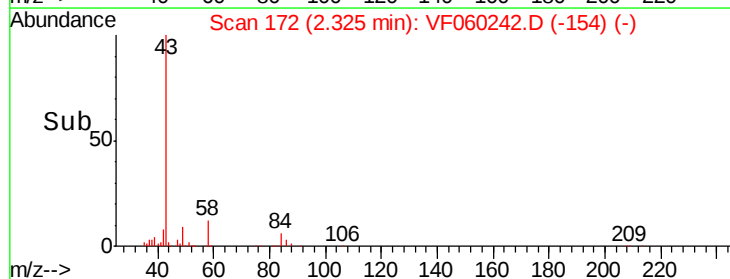
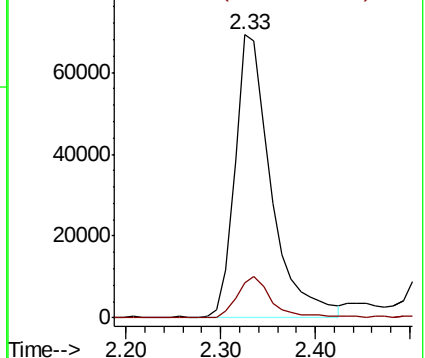
43 100

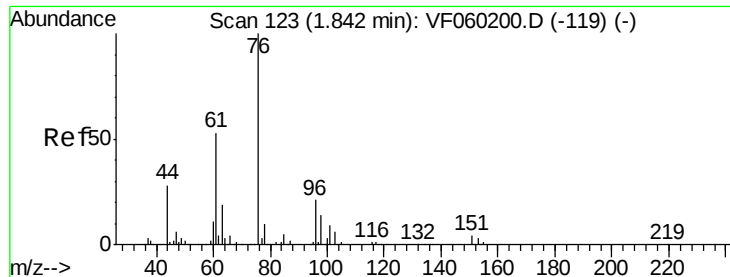
58 12.3 9.7 14.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 55.57 ug/l

RT: 1.84 min Scan# 123

Delta R.T. -0.00 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

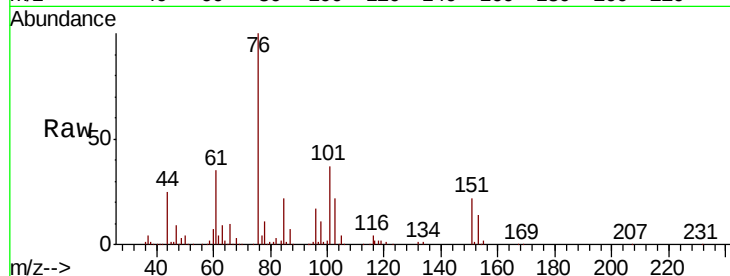
J4803-17MS

Tot Ion: 76 Resp: 164246

Ion Ratio Lower Upper

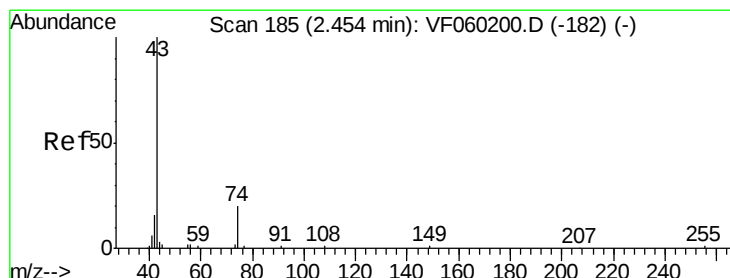
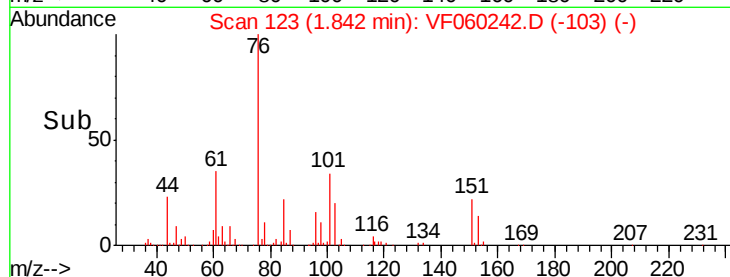
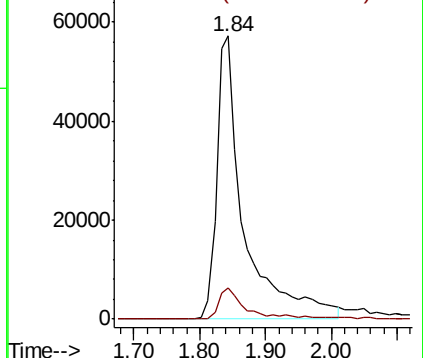
76 100

78 11.0 8.5 12.7



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 77.16 ug/l

RT: 2.52 min Scan# 192

Delta R.T. 0.07 min

Lab File: VF060242.D

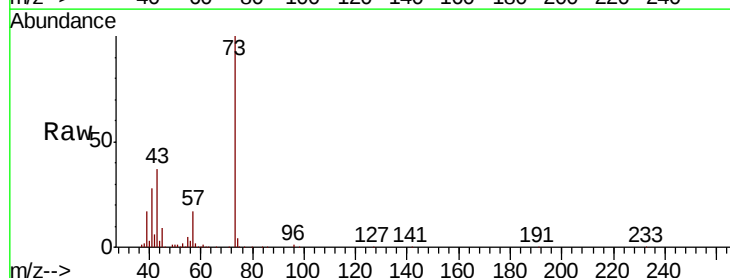
Acq: 10 Sep 2018 18:37

Tgt Ion: 43 Resp: 64262

Ion Ratio Lower Upper

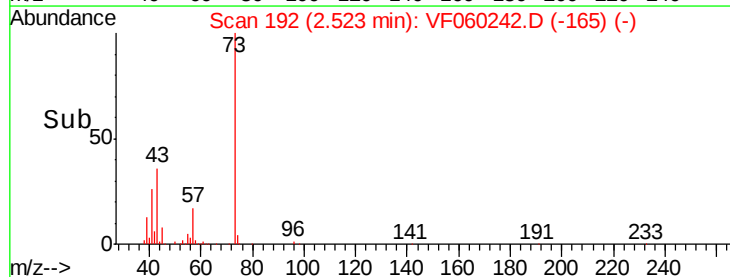
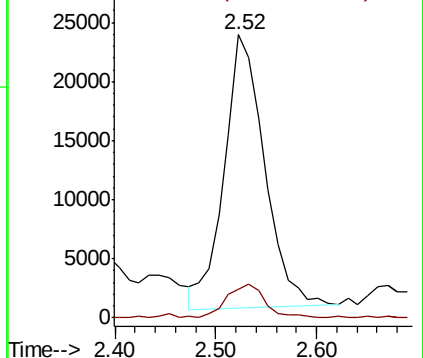
43 100

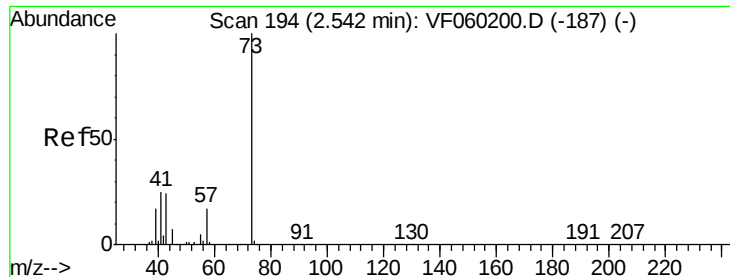
74 10.3 11.9 17.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





#19

Methyl tert-butyl Ether

Concen: 54.67 ug/l

RT: 2.53 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

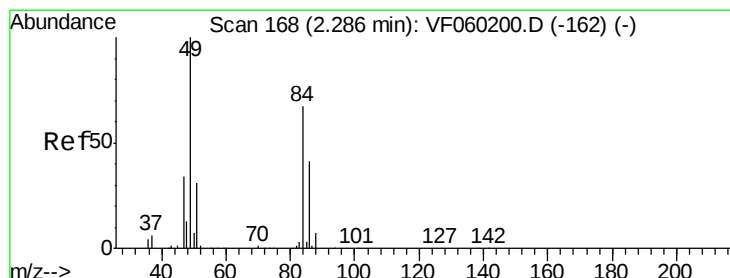
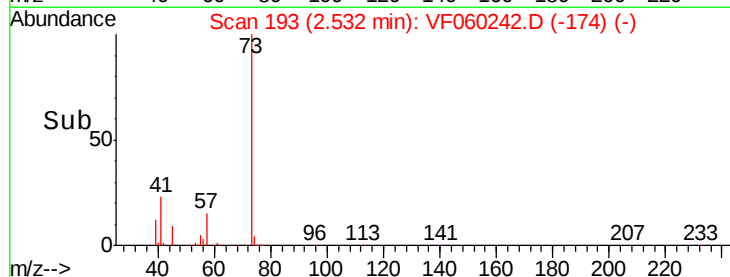
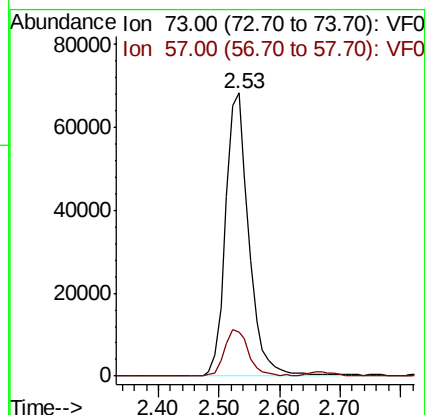
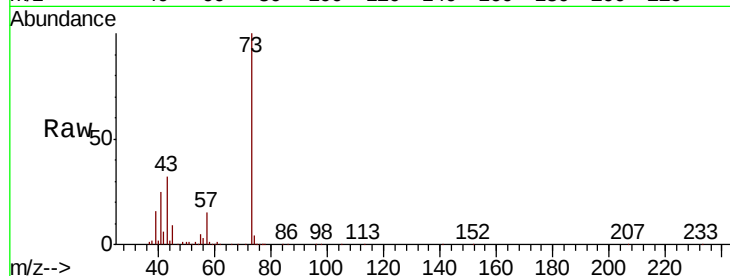
J4803-17MS

Tot Ion: 73 Resp: 183406

Ion Ratio Lower Upper

73 100

57 15.4 14.3 21.5



#20

Methylene Chloride

Concen: 56.29 ug/l

RT: 2.28 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

Tgt Ion: 84 Resp: 66452

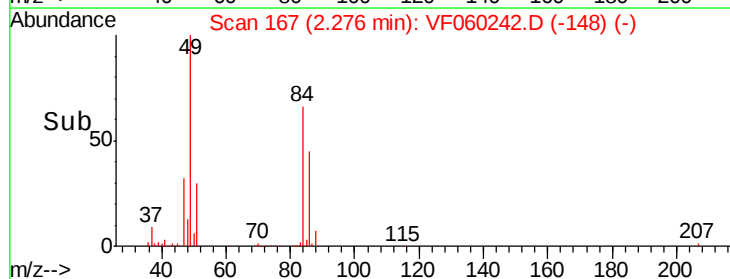
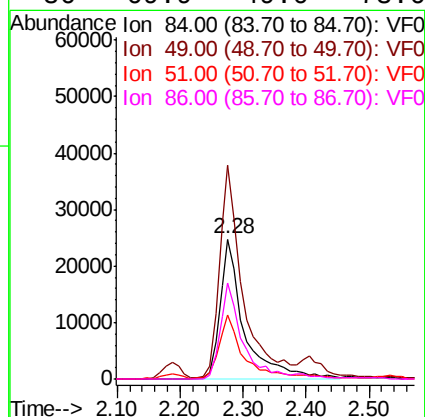
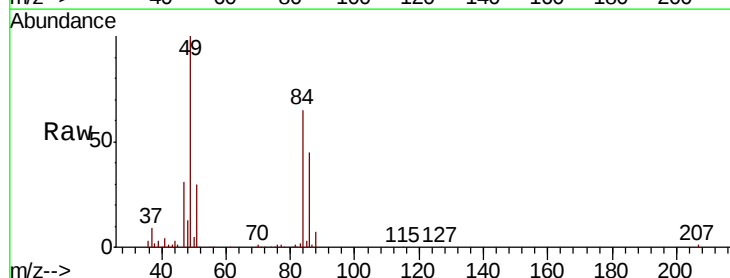
Ion Ratio Lower Upper

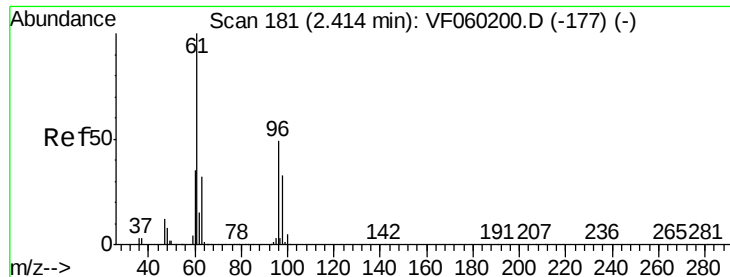
84 100

49 153.1 120.1 180.1

51 46.3 37.0 55.6

86 69.9 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 60.34 ug/l

RT: 2.40 min Scan# 180

Delta R.T. -0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MS

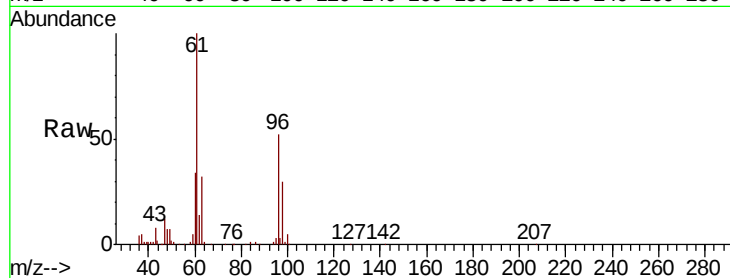
Tot Ion: 96 Resp: 62608

Ion Ratio Lower Upper

96 100

61 193.4 163.1 244.7

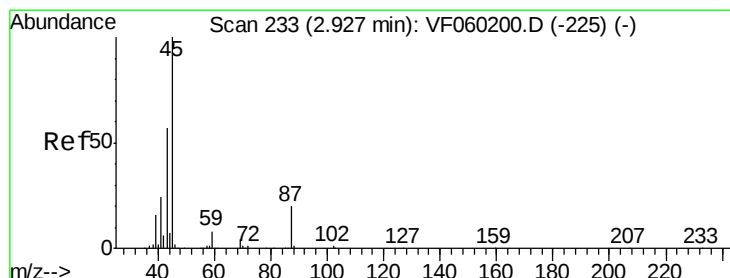
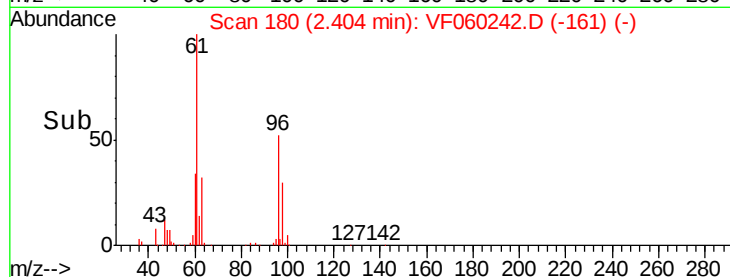
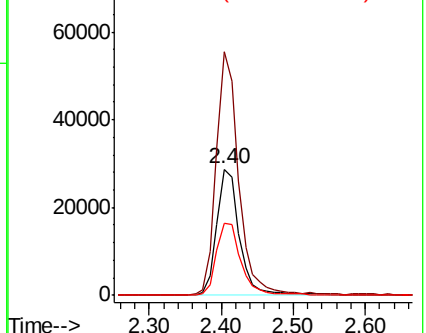
98 57.2 54.1 81.1



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: 56.05 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

Tgt Ion: 45 Resp: 213631

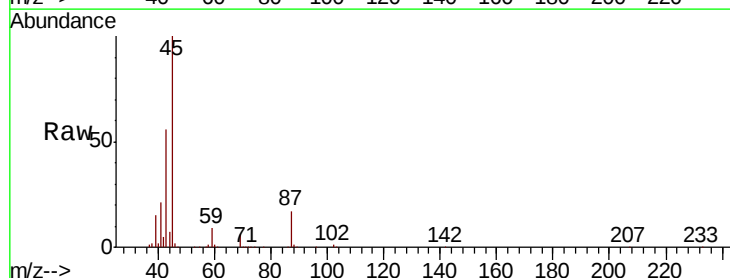
Ion Ratio Lower Upper

45 100

43 56.0 46.2 69.4

87 17.0 16.1 24.1

59 8.6 6.5 9.7

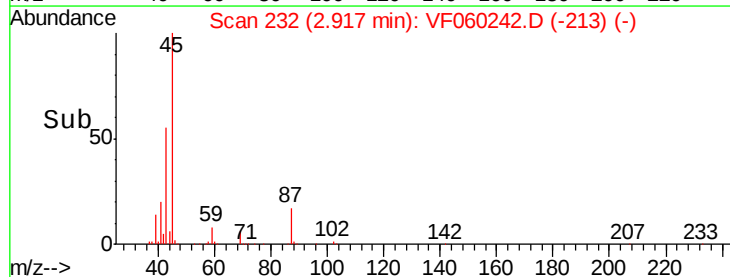
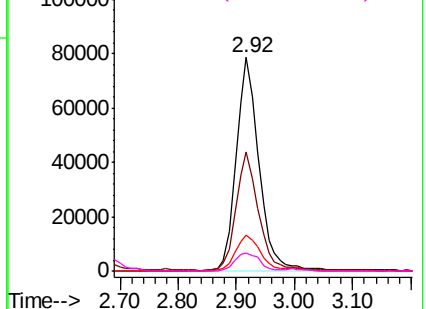


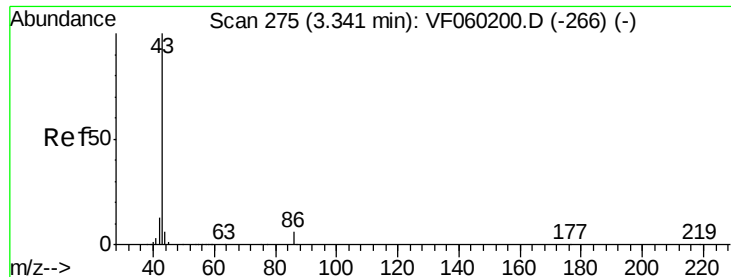
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 22.92 ug/l

RT: 3.36 min Scan# 277

Delta R.T. 0.02 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

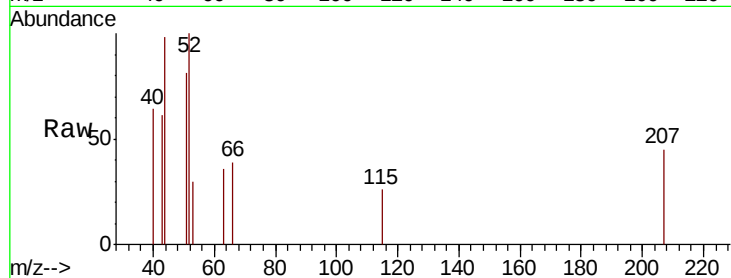
J4803-17MS

Tot Ion: 43 Resp: 225

Ion Ratio Lower Upper

43 100

86 0.0 4.8 7.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.36

250

200

150

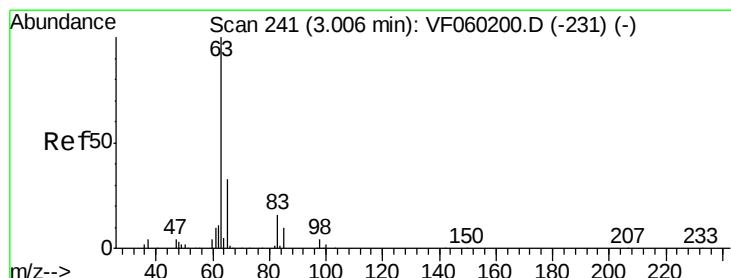
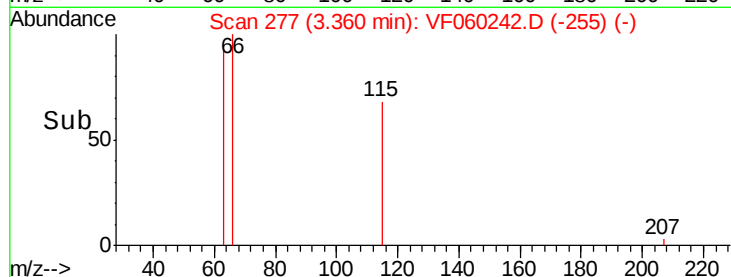
100

50

0

3.32 3.34 3.36 3.38

Time-->



#24

1,1-Dichloroethane

Concen: 62.28 ug/l

RT: 3.00 min Scan# 240

Delta R.T. -0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

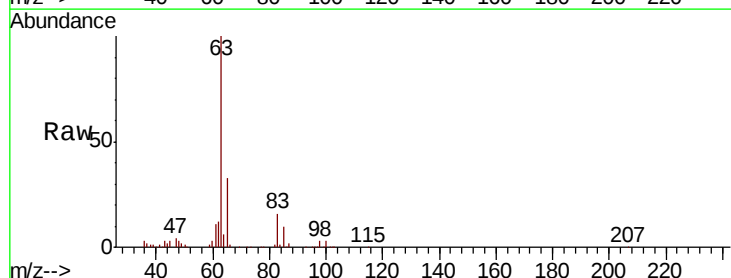
Tgt Ion: 63 Resp: 154389

Ion Ratio Lower Upper

63 100

98 3.2 1.9 5.7

100 2.6 1.1 3.1



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

80000

60000

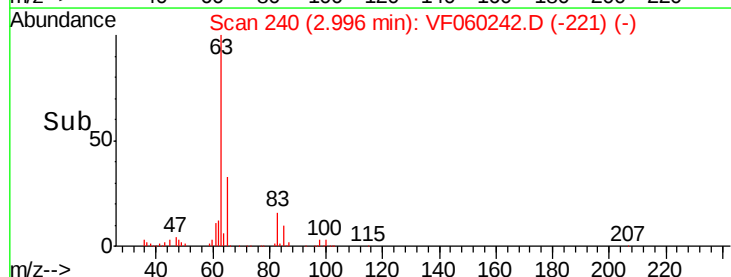
40000

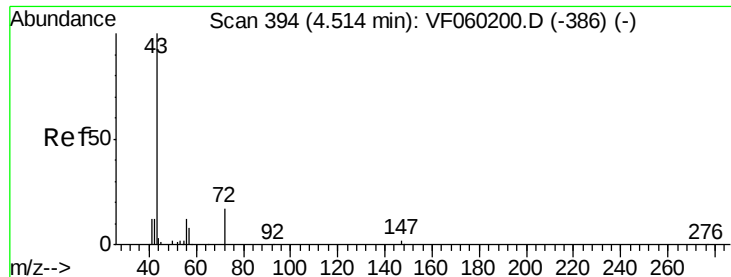
20000

0

2.90 3.00 3.10 3.20

Time-->





#25

2-Butanone

Concen: 278.70 ug/l

RT: 4.50 min Scan# 393

Delta R.T. -0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

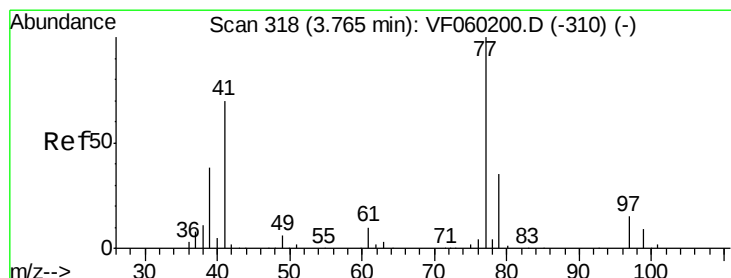
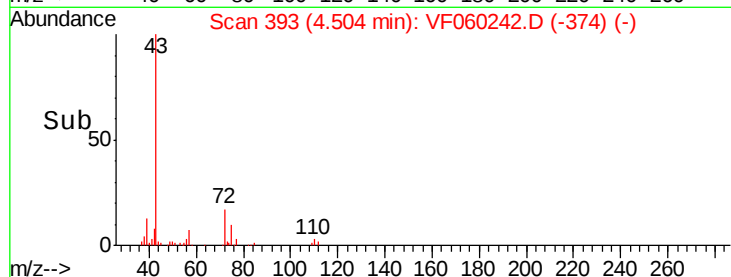
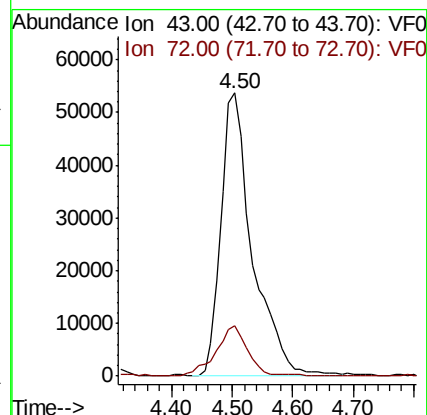
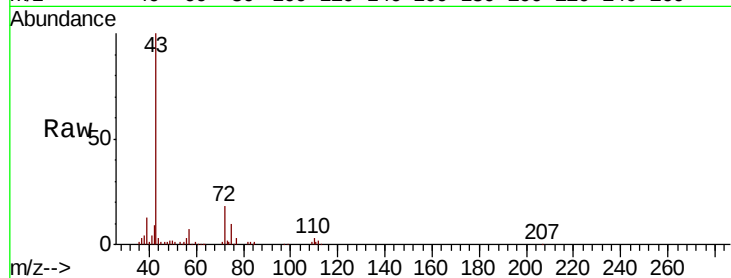
J4803-17MS

Tot Ion: 43 Resp: 193058

Ion Ratio Lower Upper

43 100

72 17.8 14.8 22.2



#26

2,2-Dichloropropane

Concen: 44.48 ug/l

RT: 3.75 min Scan# 317

Delta R.T. -0.01 min

Lab File: VF060242.D

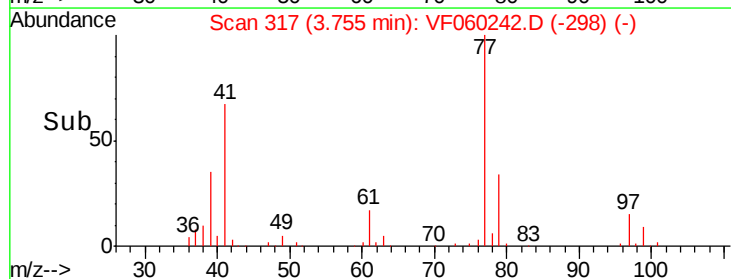
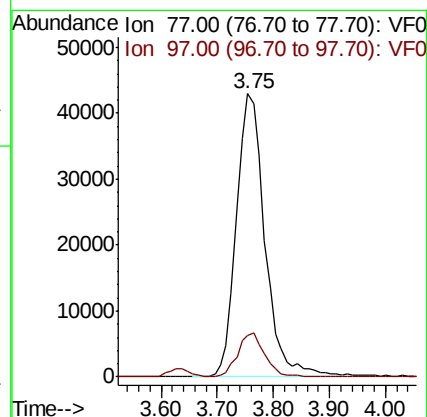
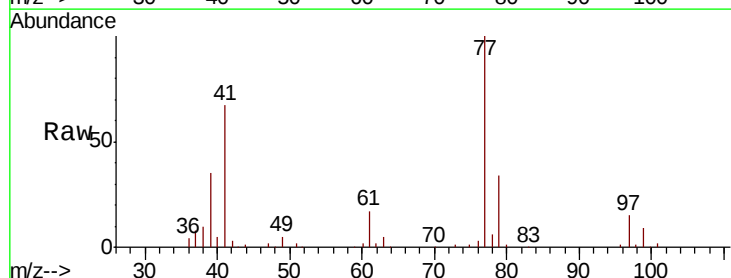
Acq: 10 Sep 2018 18:37

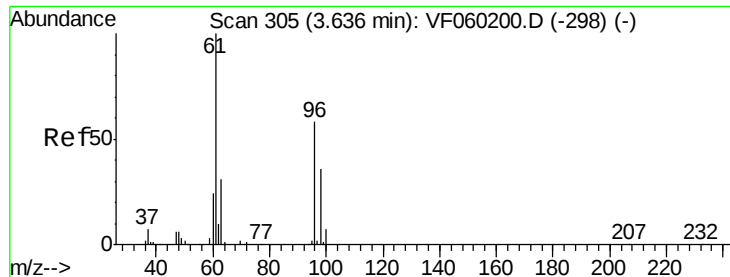
Tgt Ion: 77 Resp: 152287

Ion Ratio Lower Upper

77 100

97 14.6 7.5 22.5



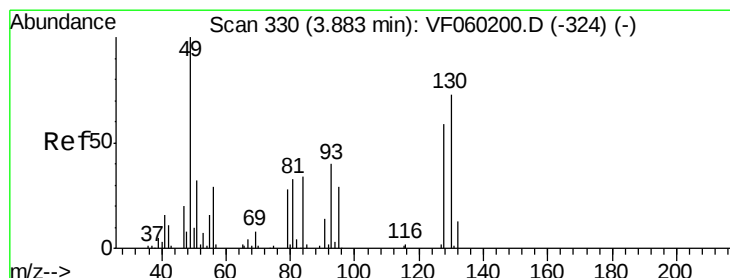
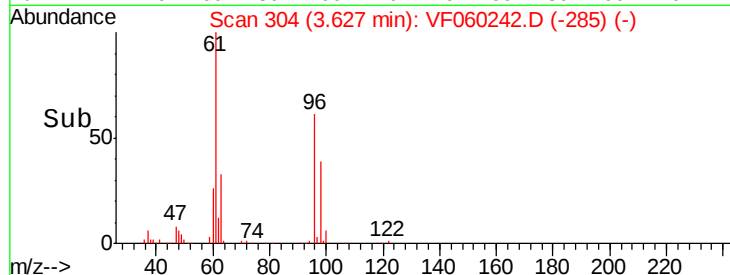
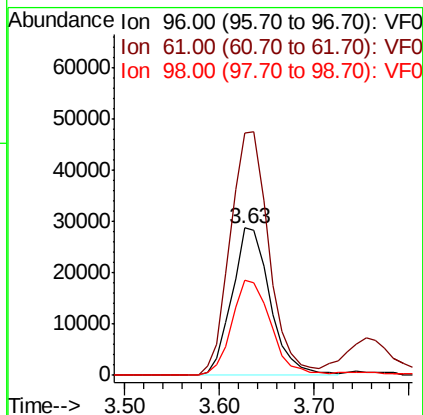
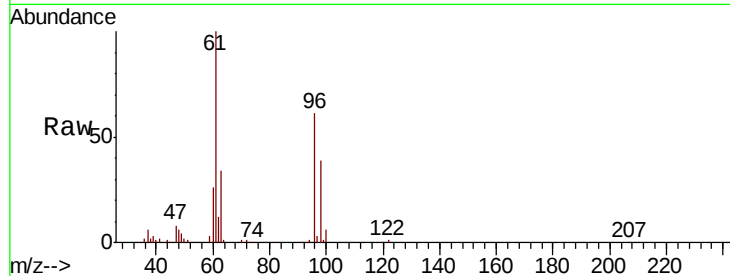


#27

cis-1,2-Dichloroethene
 Concen: 59.85 ug/l
 RT: 3.63 min Scan# 304
 Delta R.T. -0.01 min
 Lab File: VF060242.D
 Acq: 10 Sep 2018 18:37

Instrument :
 MSVOA_F
 ClientSampleId :
 J4803-17MS

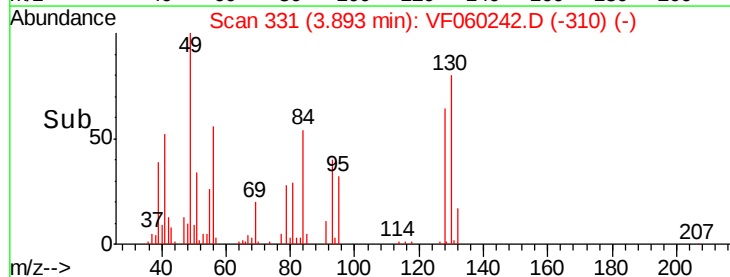
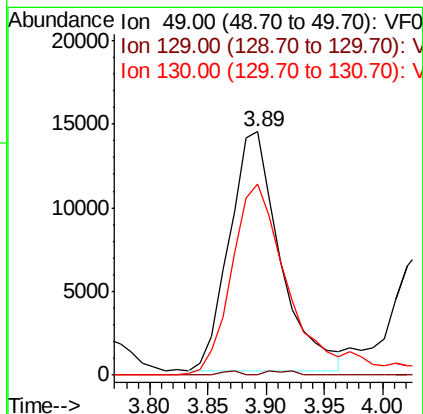
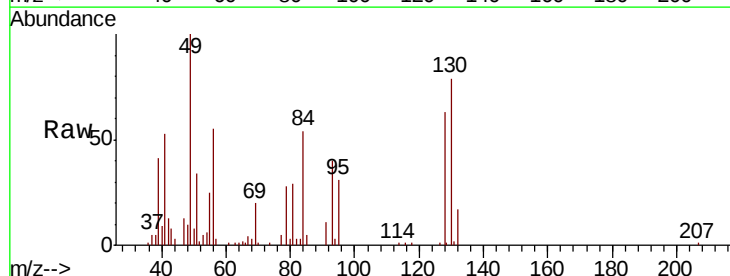
Tot Ion	96	Resp	81050
Ion	Ratio	Lower	Upper
96	100		
61	164.5	0.0	345.2
98	64.4	0.0	124.6

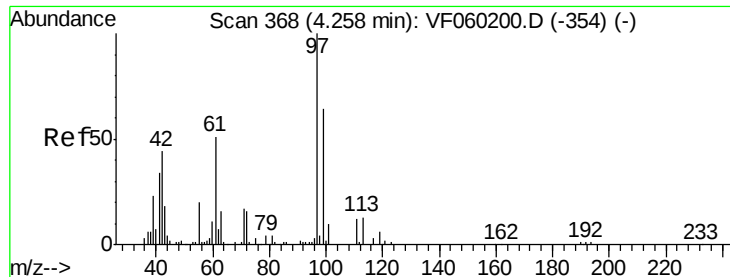


#28

Bromochloromethane
 Concen: 51.61 ug/l
 RT: 3.89 min Scan# 331
 Delta R.T. 0.01 min
 Lab File: VF060242.D
 Acq: 10 Sep 2018 18:37

Tgt Ion	49	Resp	43569
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	78.6	57.8	86.6

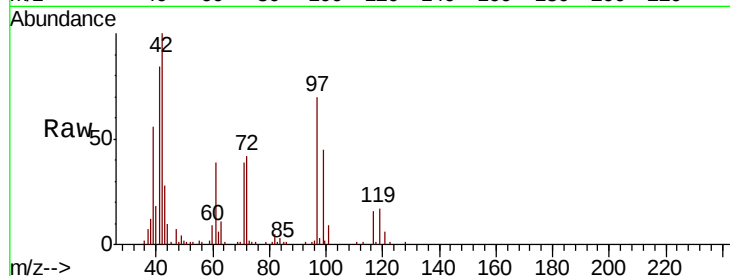




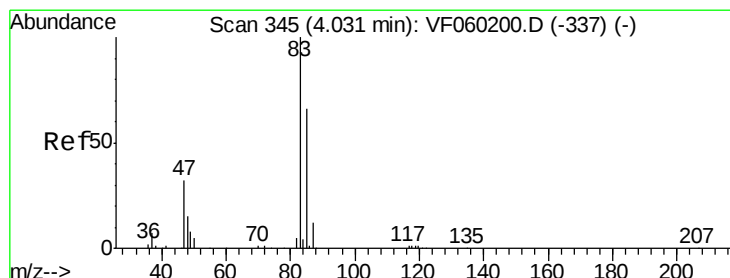
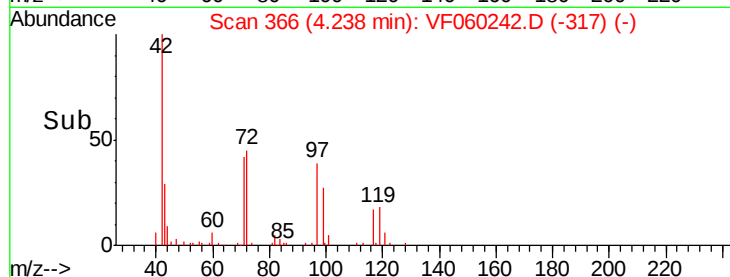
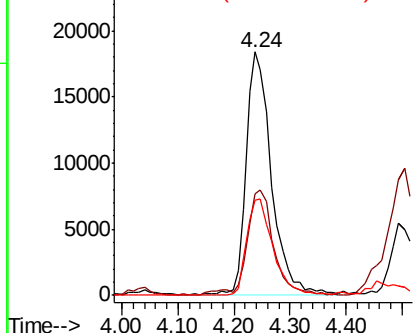
#29
Tetrahydrofuran
Concen: 252.07 ug/l
RT: 4.24 min Scan# 366
Delta R.T. -0.02 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

Instrument :
MSVOA_F
ClientSampleId :
J4803-17MS

Tot Ion: 42 Resp: 57726
Ion Ratio Lower Upper
42 100
72 45.4 27.4 41.0#
71 41.0 28.5 42.7

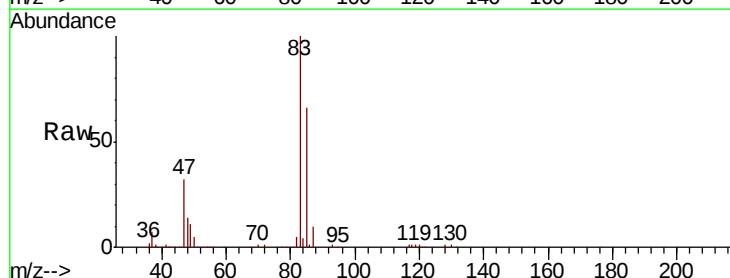


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

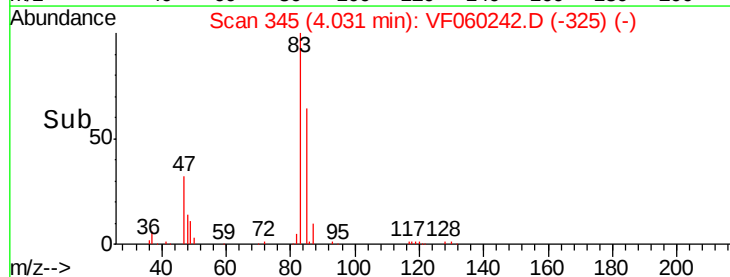
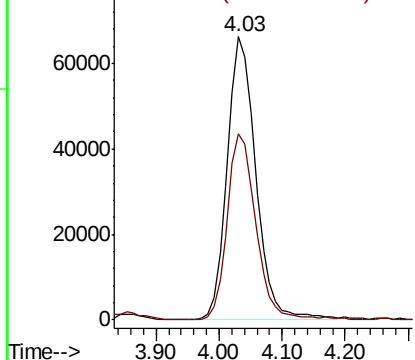


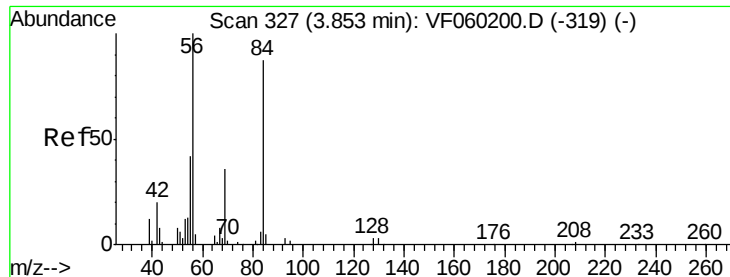
#30
Chloroform
Concen: 57.41 ug/l
RT: 4.03 min Scan# 345
Delta R.T. -0.00 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

Tgt Ion: 83 Resp: 208499
Ion Ratio Lower Upper
83 100
85 65.6 52.6 79.0



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

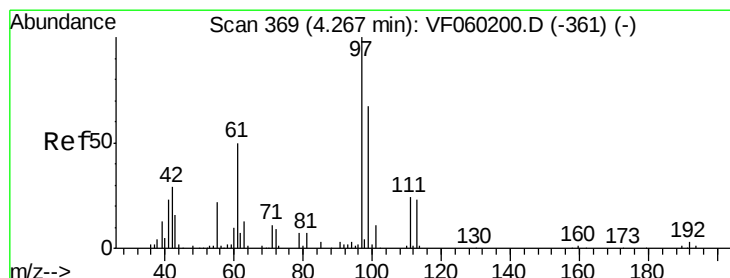
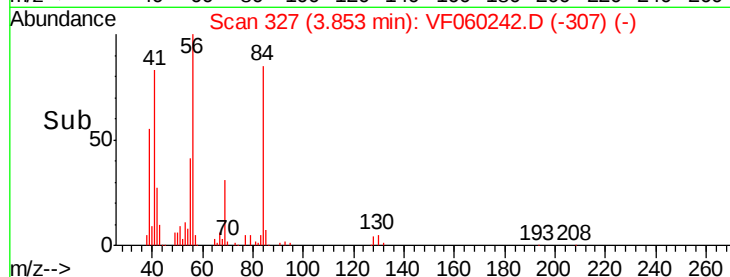
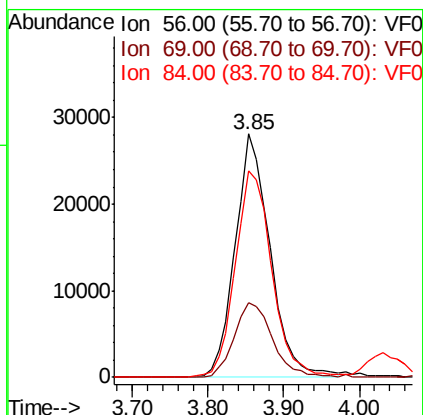
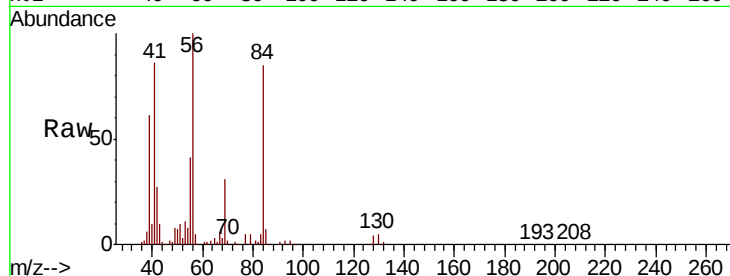




#31
Cyclohexane
Concen: 53.22 ug/l
RT: 3.85 min Scan# 327
Delta R.T. -0.00 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

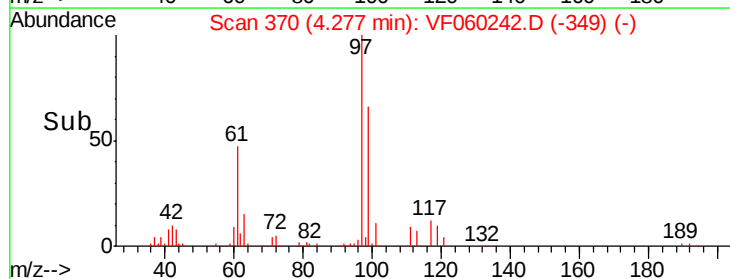
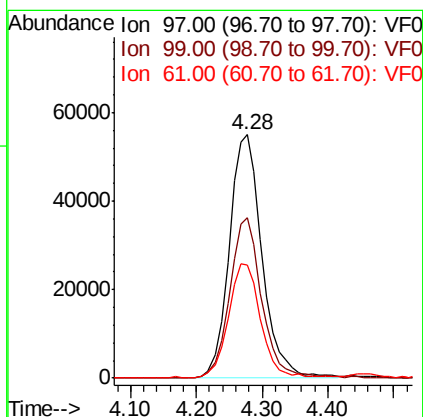
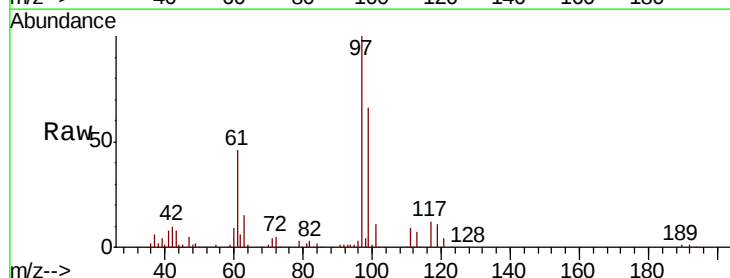
Instrument :
MSVOA_F
ClientSampleId :
J4803-17MS

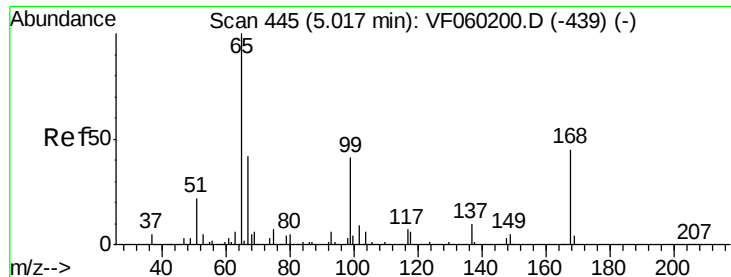
Tot Ion: 56 Resp: 90261
Ion Ratio Lower Upper
56 100
69 30.9 28.7 43.1
84 85.0 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 52.78 ug/l
RT: 4.28 min Scan# 370
Delta R.T. 0.01 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

Tgt Ion: 97 Resp: 190961
Ion Ratio Lower Upper
97 100
99 65.9 53.5 80.3
61 46.5 40.4 60.6

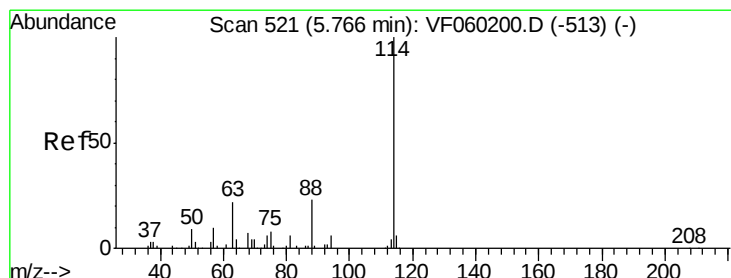
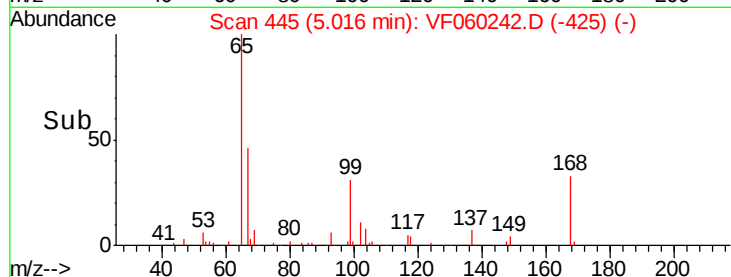
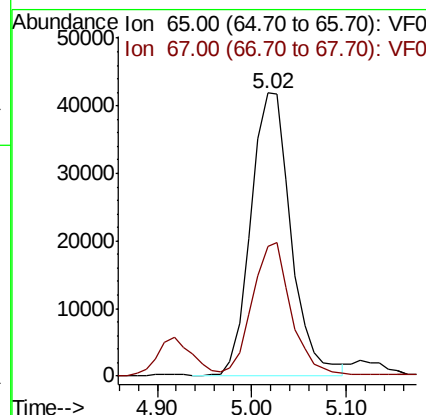
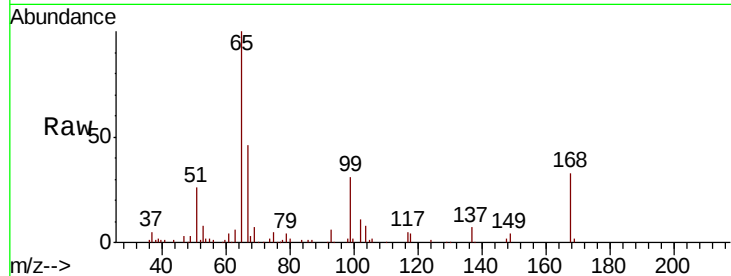




#33
 1,2-Dichloroethane-d4
 Concen: 49.95 ug/l
 RT: 5.02 min Scan# 445
 Delta R.T. -0.00 min
 Lab File: VF060242.D
 Acq: 10 Sep 2018 18:37

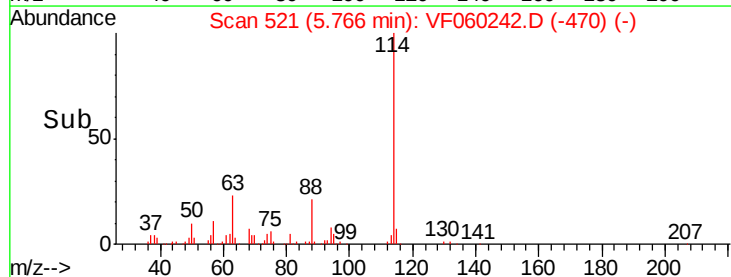
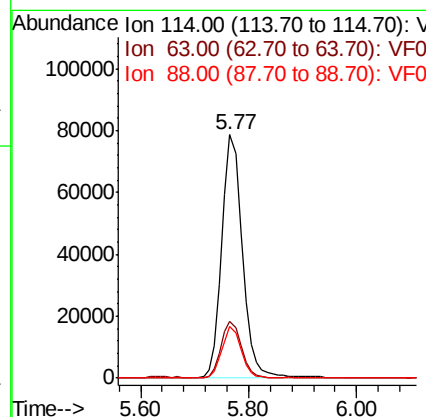
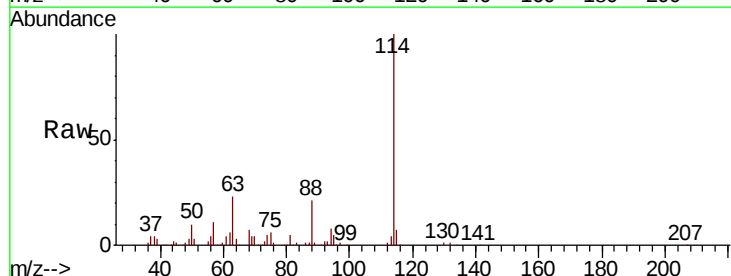
Instrument :
 MSVOA_F
 ClientSampleId :
 J4803-17MS

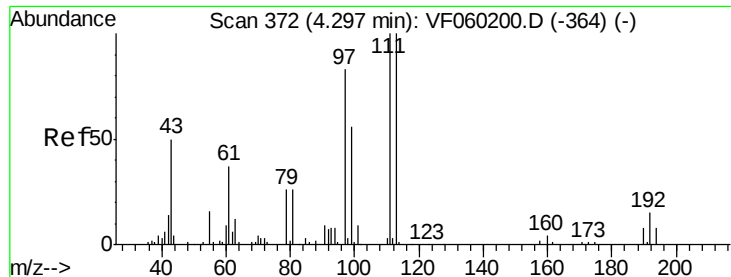
Tot Ion: 65 Resp: 123098
 Ion Ratio Lower Upper
 65 100
 67 45.7 0.0 87.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 521
 Delta R.T. -0.00 min
 Lab File: VF060242.D
 Acq: 10 Sep 2018 18:37

Tgt Ion: 114 Resp: 208906
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 45.6
 88 21.1 0.0 46.4





#35

Dibromofluoromethane

Concen: 8.67 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MS

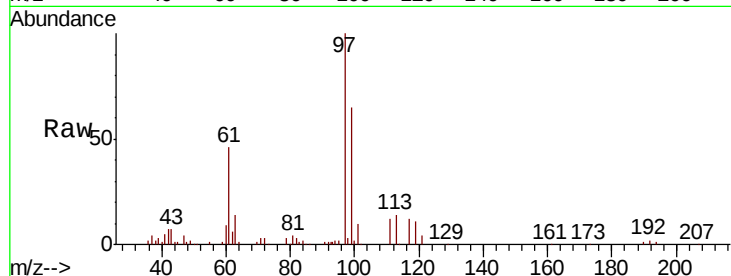
Tot Ion:113 Resp: 17736

Ion Ratio Lower Upper

113 100

111 91.5 80.2 120.2

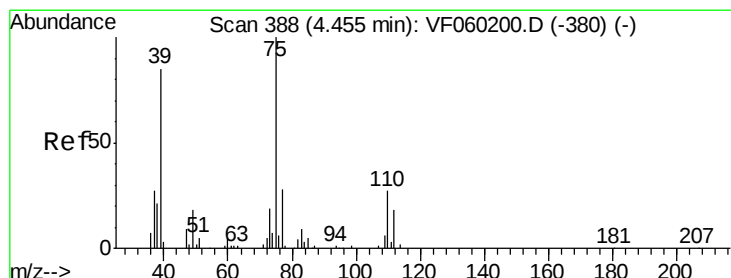
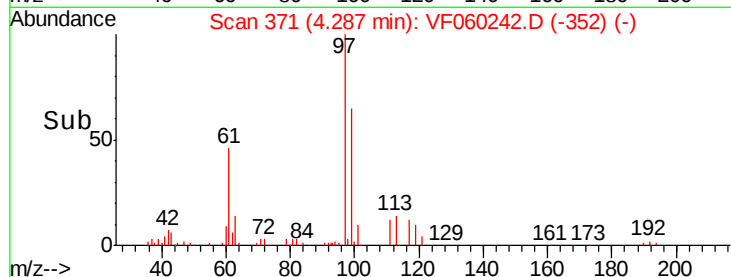
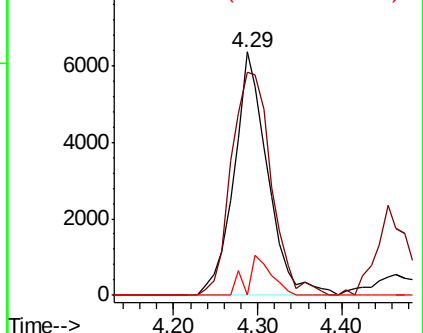
192 0.0 11.8 17.8#



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: 52.50 ug/l

RT: 4.46 min Scan# 389

Delta R.T. 0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

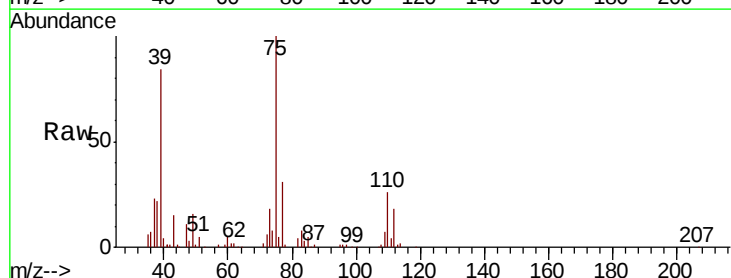
Tgt Ion: 75 Resp: 129090

Ion Ratio Lower Upper

75 100

110 26.1 13.6 40.7

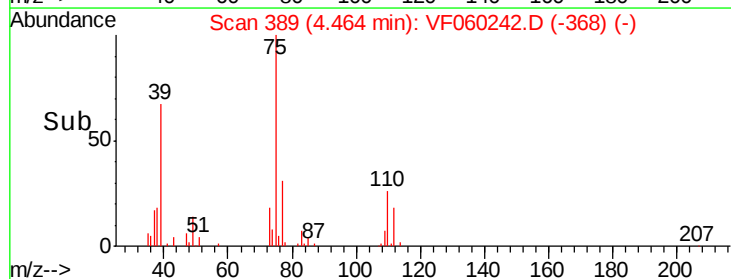
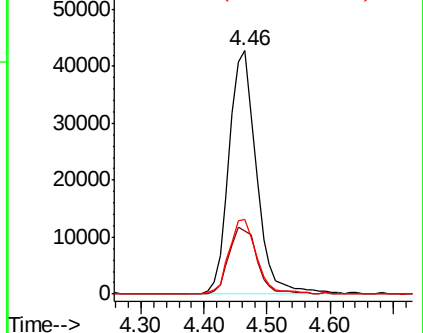
77 30.7 22.7 34.1

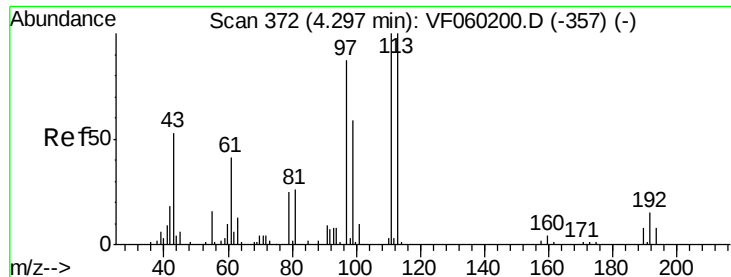


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

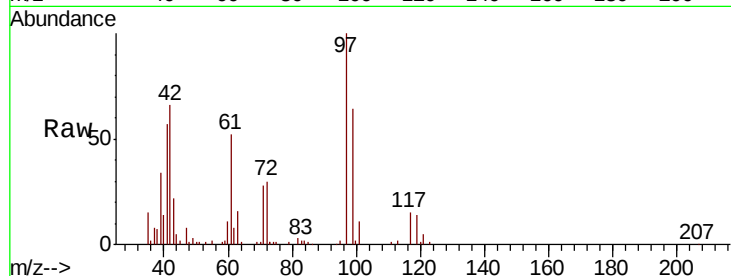




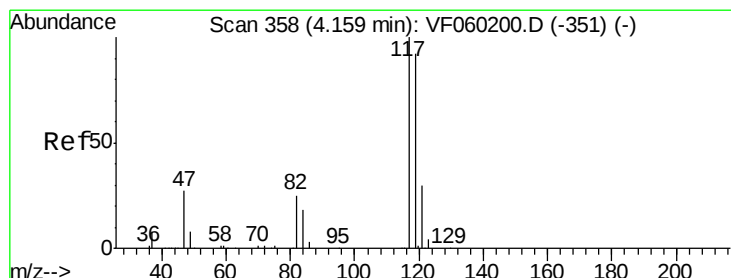
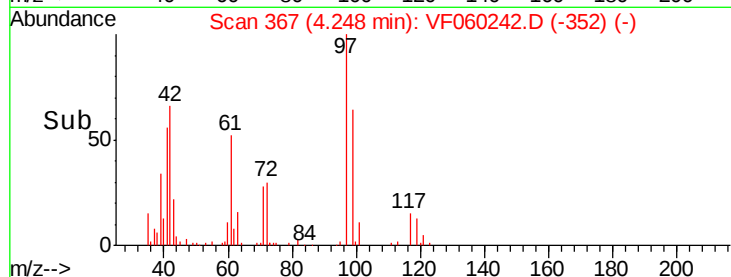
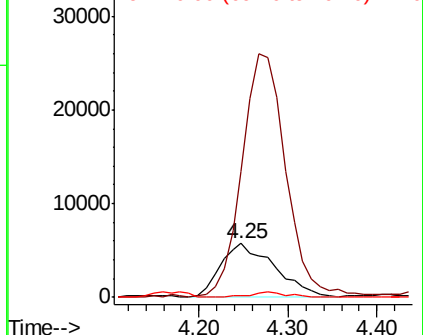
#37
Ethyl Acetate
Concen: 17.78 ug/l
RT: 4.25 min Scan# 367
Delta R.T. -0.05 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

Instrument :
MSVOA_F
ClientSampleId :
J4803-17MS

Tot Ion: 43 Resp: 24373
Ion Ratio Lower Upper
43 100
61 234.4 61.6 92.4#
70 4.1 6.9 10.3#

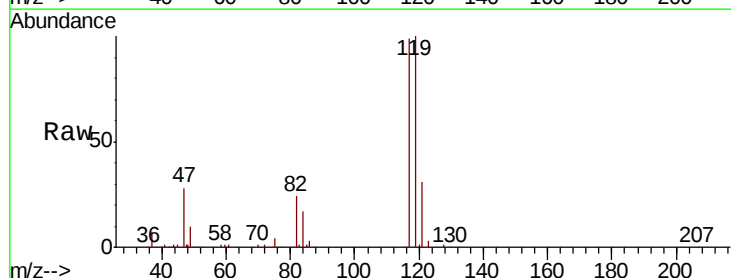


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

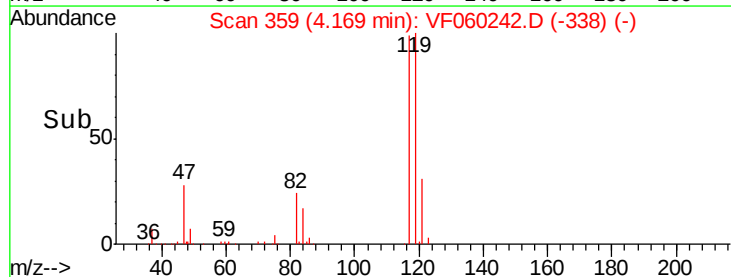
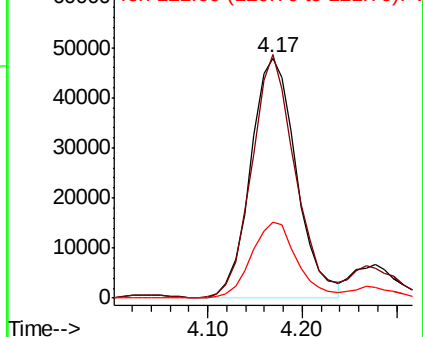


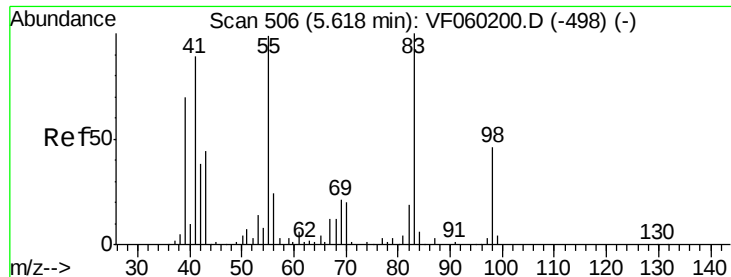
#38
Carbon Tetrachloride
Concen: 47.31 ug/l
RT: 4.17 min Scan# 359
Delta R.T. 0.01 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

Tgt Ion: 117 Resp: 159922
Ion Ratio Lower Upper
117 100
119 101.4 73.0 109.6
121 31.5 23.9 35.9



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

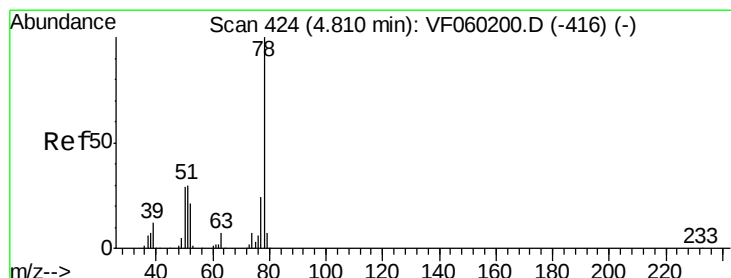
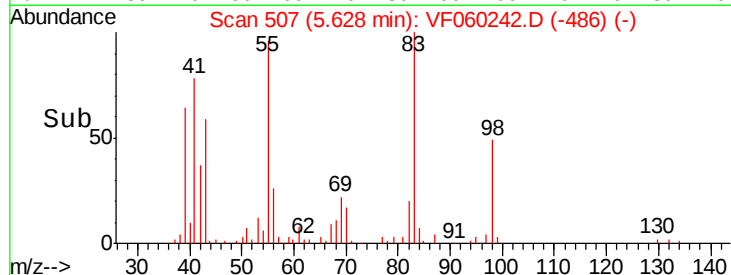
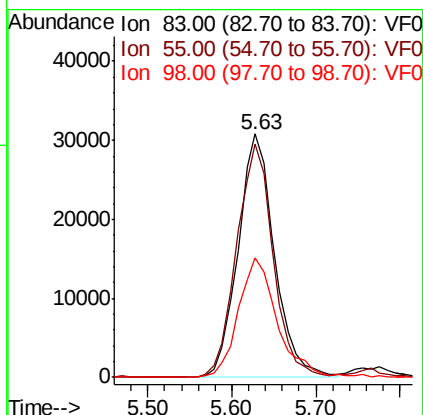
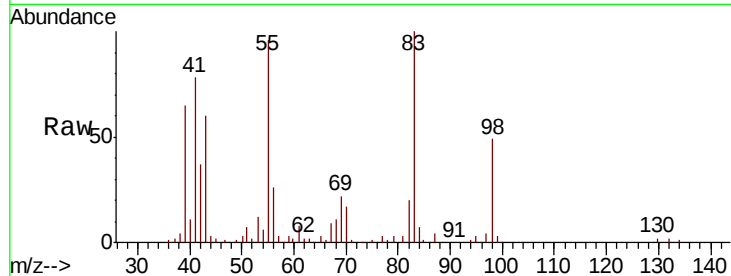




#39
Methvlcvclohexane
Concen: 45.05 ug/l
RT: 5.63 min Scan# 507
Delta R.T. 0.01 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

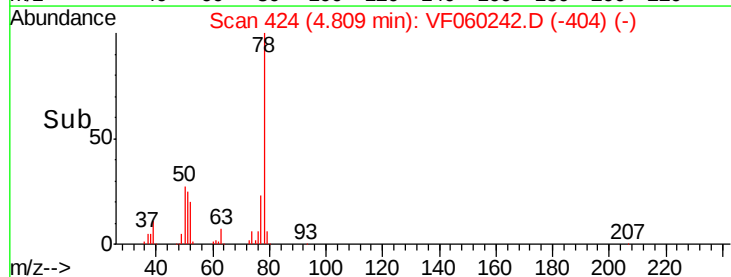
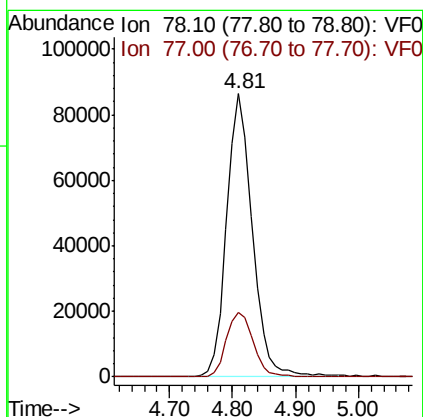
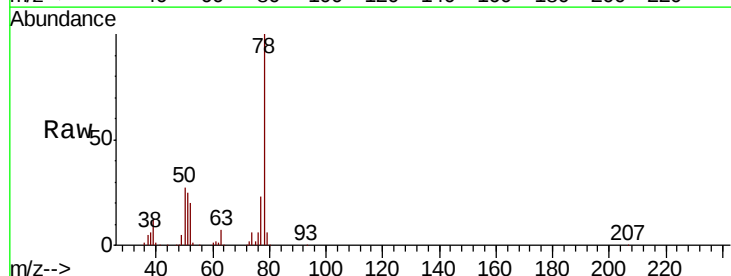
Instrument :
MSVOA_F
ClientSampleId :
J4803-17MS

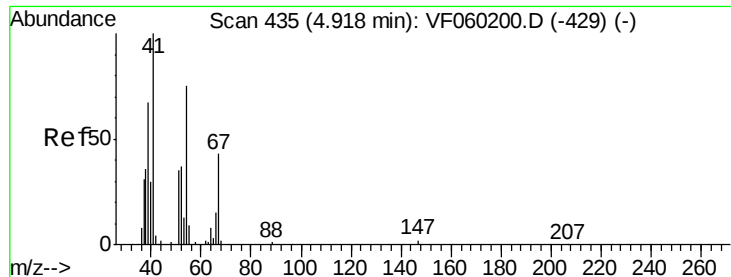
Tot Ion: 83 Resp: 92791
Ion Ratio Lower Upper
83 100
55 95.8 79.0 118.4
98 48.9 36.7 55.1



#40
Benzene
Concen: 55.74 ug/l
RT: 4.81 min Scan# 424
Delta R.T. -0.00 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

Tgt Ion: 78 Resp: 244206
Ion Ratio Lower Upper
78 100
77 22.9 19.0 28.4

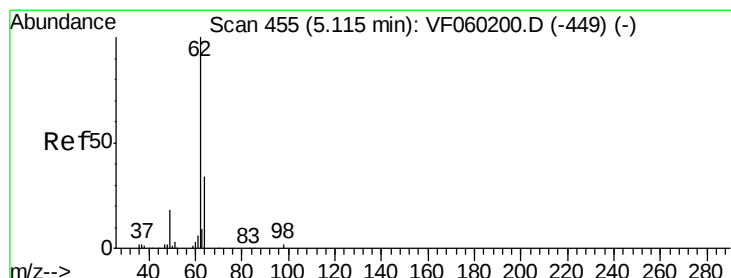
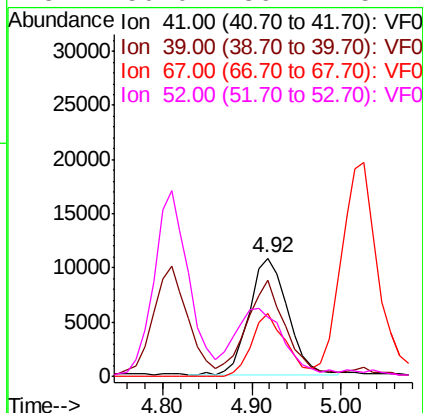
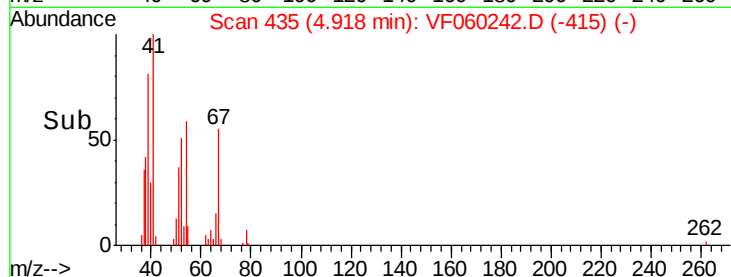
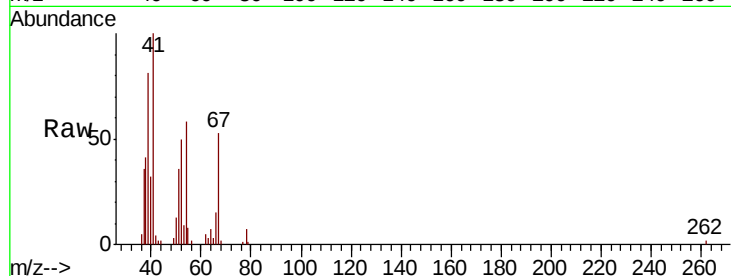




#41
Methacrylonitrile
Concen: 49.91 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.00 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

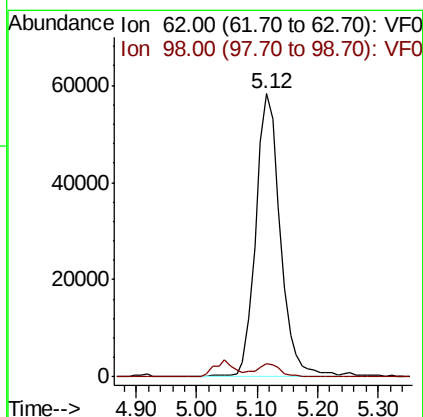
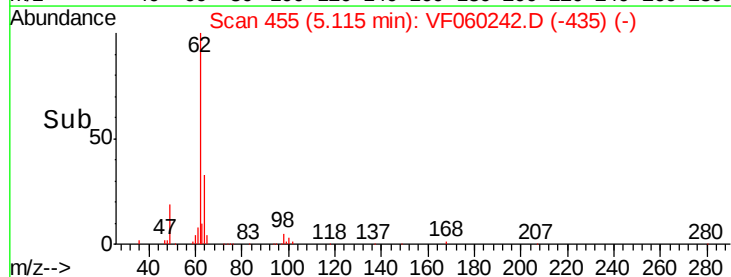
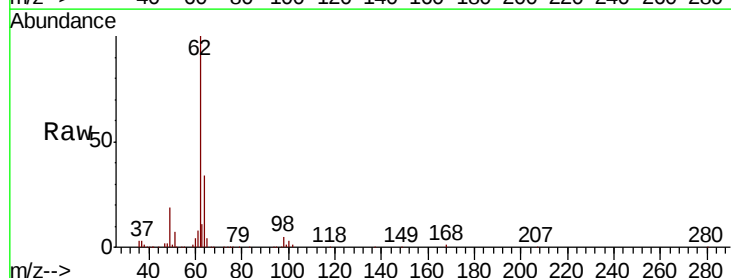
Instrument :
MSVOA_F
ClientSampleId :
J4803-17MS

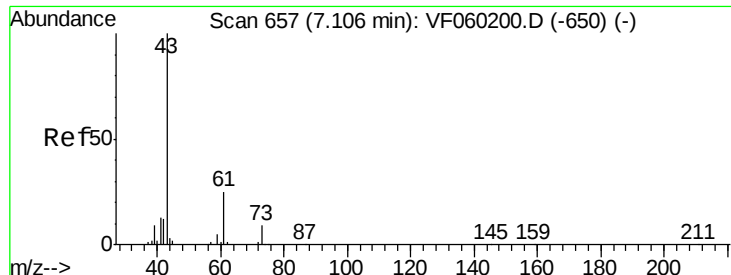
Tot Ion:	41	Resp:	31920
Ion	Ratio	Lower	Upper
41	100		
39	81.0	57.4	86.2
67	53.3	34.6	52.0#
52	50.0	36.2	54.4



#42
1,2-Dichloroethane
Concen: 52.09 ug/l
RT: 5.12 min Scan# 455
Delta R.T. -0.00 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

Tgt Ion:	62	Resp:	164913
Ion	Ratio	Lower	Upper
62	100		
98	4.6	0.0	8.8





#43

Isopropyl Acetate

Concen: 9.69 ug/l

RT: 7.12 min Scan# 658

Delta R.T. 0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MS

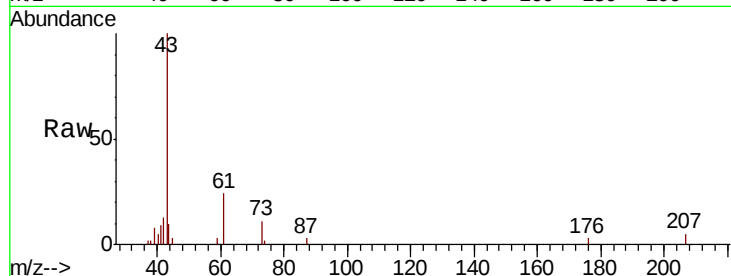
Tot Ion: 43 Resp: 13855

Ion Ratio Lower Upper

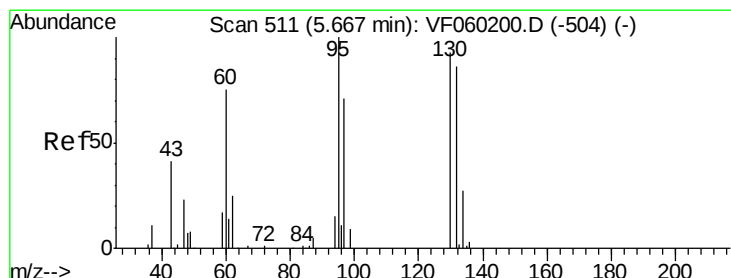
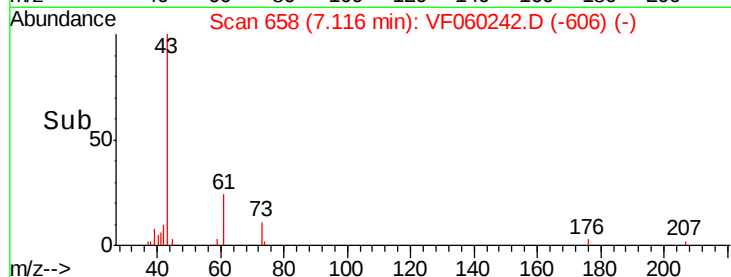
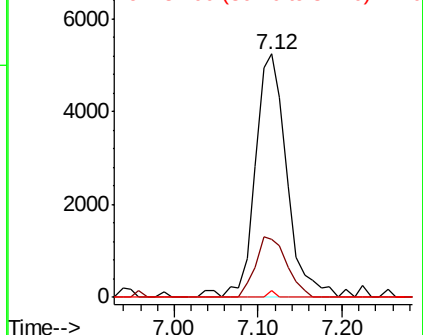
43 100

61 24.0 19.9 29.9

87 2.7 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: 84.64 ug/l

RT: 5.68 min Scan# 512

Delta R.T. 0.01 min

Lab File: VF060242.D

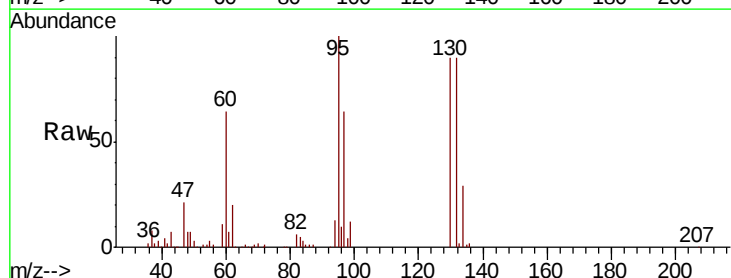
Acq: 10 Sep 2018 18:37

Tgt Ion:130 Resp: 150173

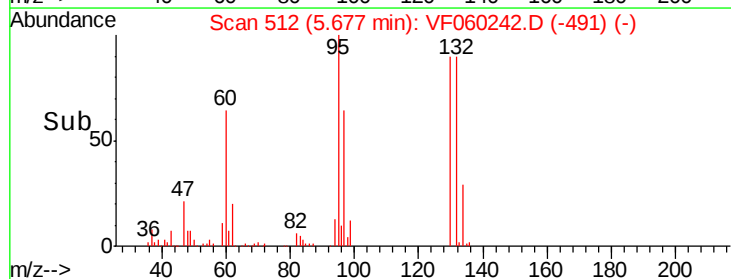
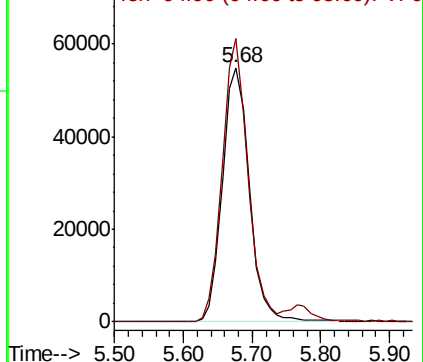
Ion Ratio Lower Upper

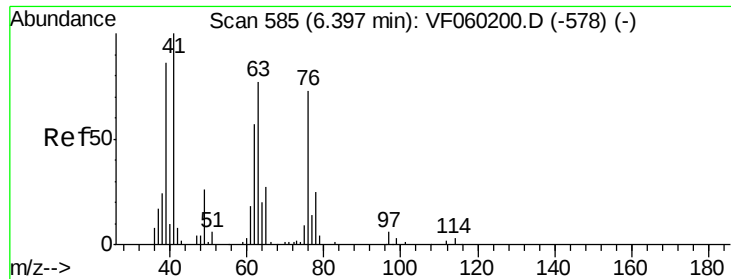
130 100

95 111.3 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: 54.49 ug/l

RT: 6.41 min Scan# 586

Delta R.T. 0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

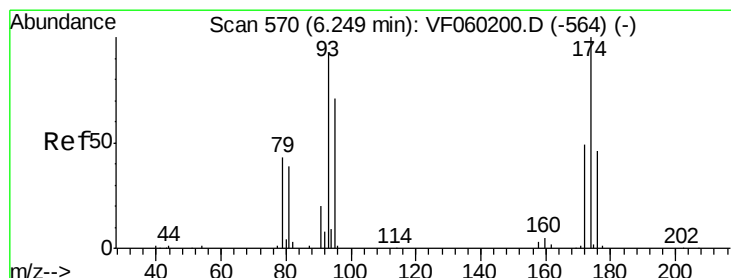
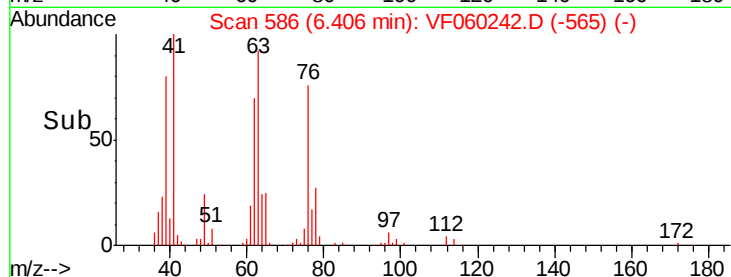
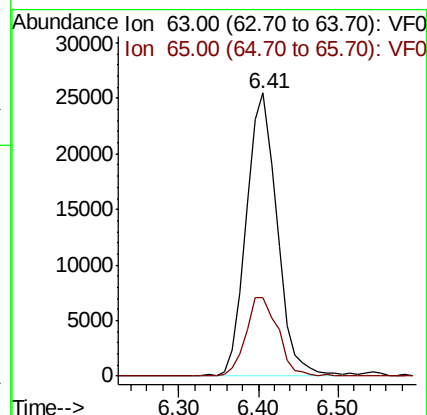
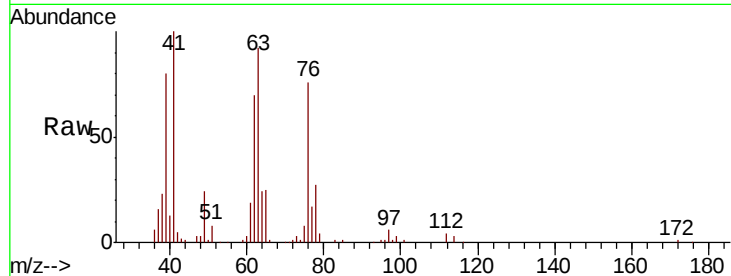
J4803-17MS

Tot Ion: 63 Resp: 67845

Ion Ratio Lower Upper

63 100

65 27.7 27.9 41.9#



#46

Dibromomethane

Concen: 53.74 ug/l

RT: 6.26 min Scan# 571

Delta R.T. 0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

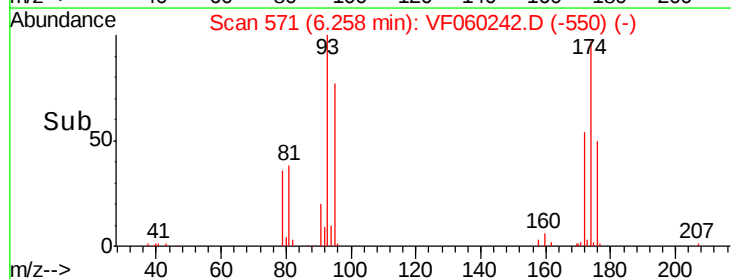
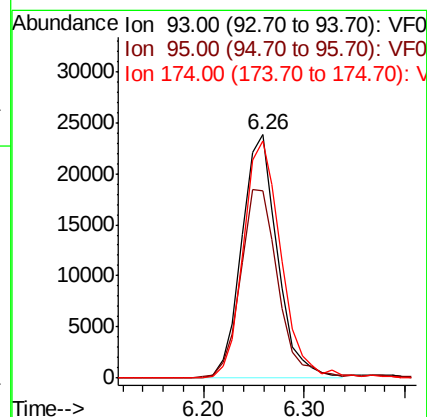
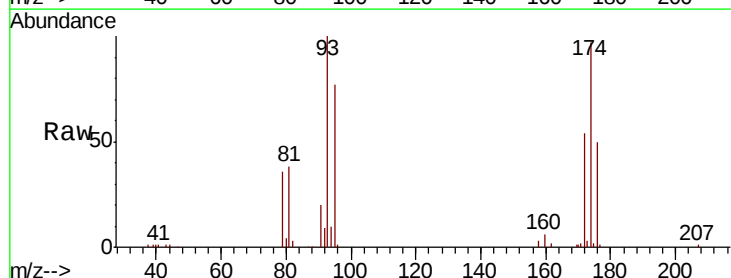
Tgt Ion: 93 Resp: 58915

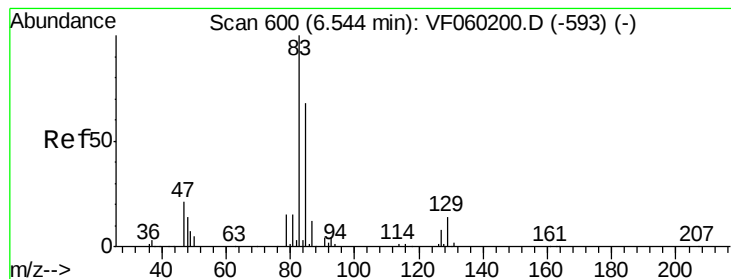
Ion Ratio Lower Upper

93 100

95 77.1 61.4 92.2

174 97.2 85.9 128.9





#47

Bromodichloromethane

Concen: 51.20 ug/l

RT: 6.55 min Scan# 601

Delta R.T. 0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MS

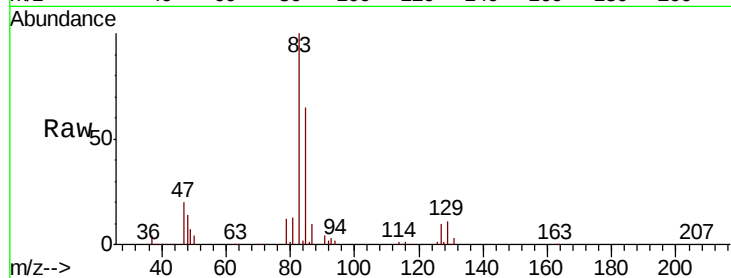
Tot Ion: 83 Resp: 152352

Ion Ratio Lower Upper

83 100

85 64.7 54.0 81.0

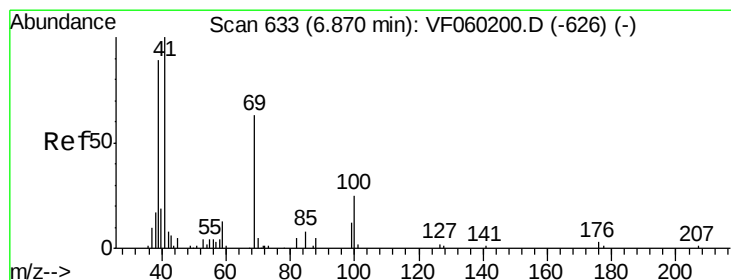
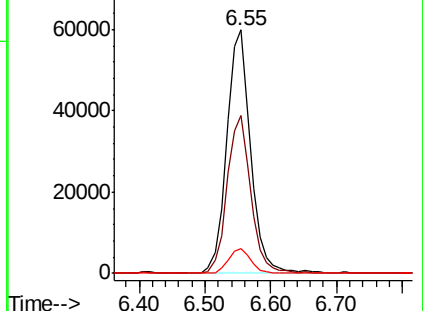
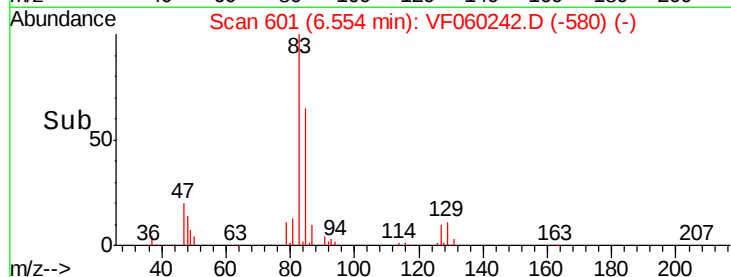
127 10.4 6.6 9.8#



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: 13.34 ug/l

RT: 6.87 min Scan# 633

Delta R.T. -0.00 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

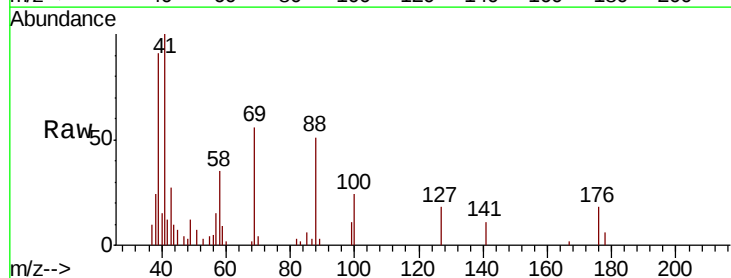
Tgt Ion: 41 Resp: 15160

Ion Ratio Lower Upper

41 100

69 56.4 50.4 75.6

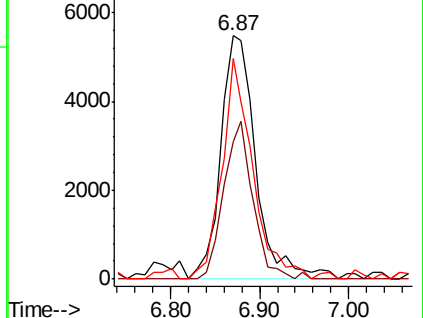
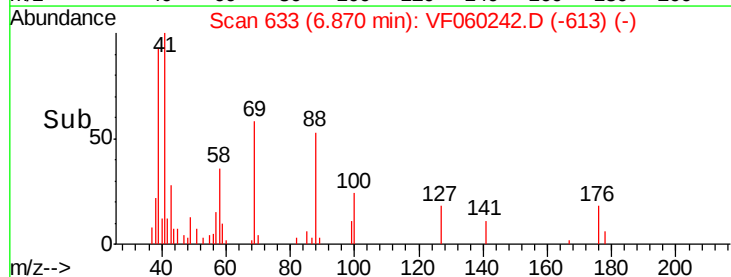
39 90.7 70.6 106.0

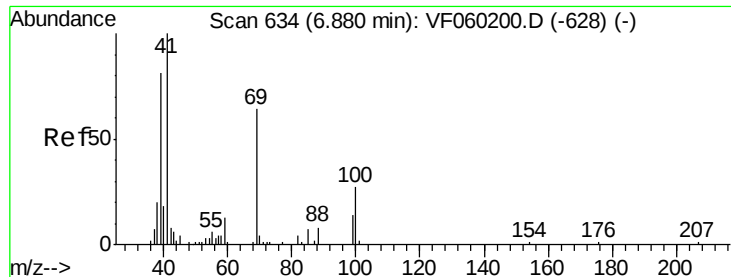


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

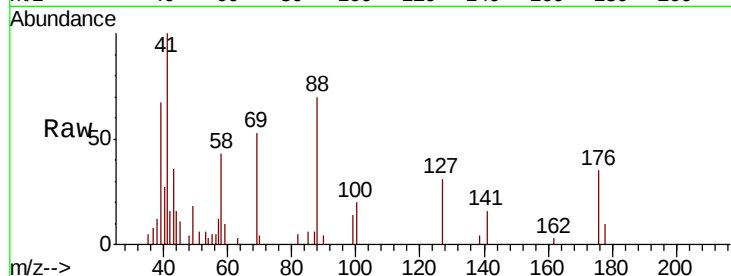




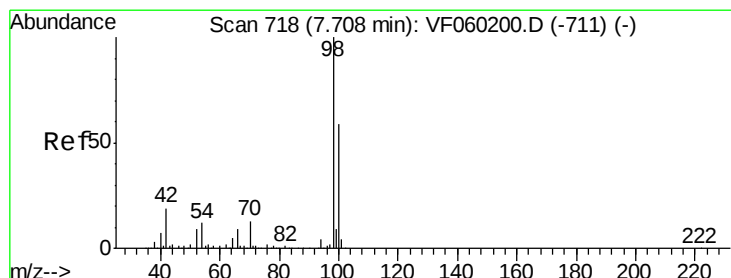
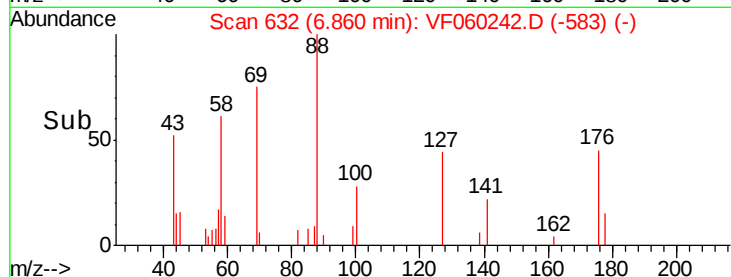
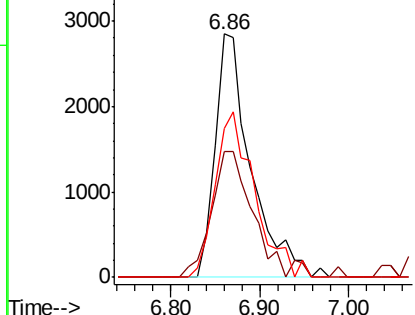
#49
1,4-Dioxane
Concen: 481.69 ug/l
RT: 6.86 min Scan# 632
Delta R.T. -0.02 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

Instrument :
MSVOA_F
ClientSampleId :
J4803-17MS

Tot Ion: 88 Resp: 8041
Ion Ratio Lower Upper
88 100
43 51.5 68.1 102.1#
58 61.2 38.1 57.1#

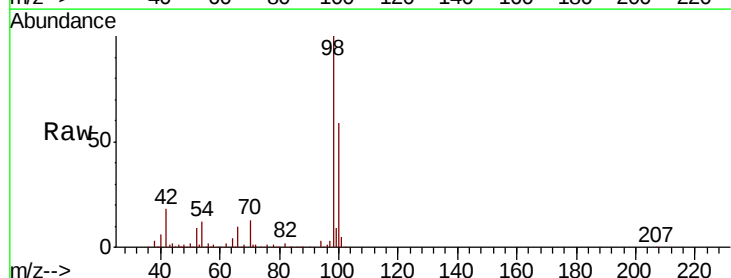


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

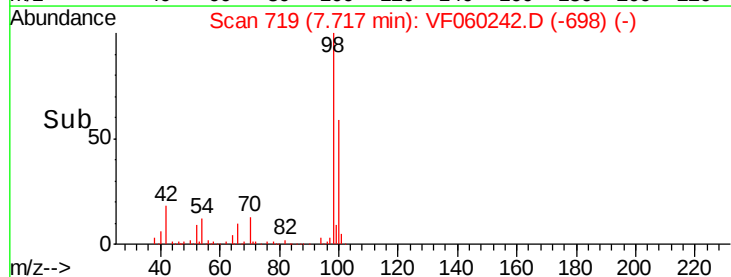
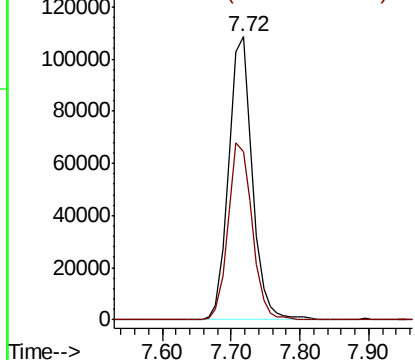


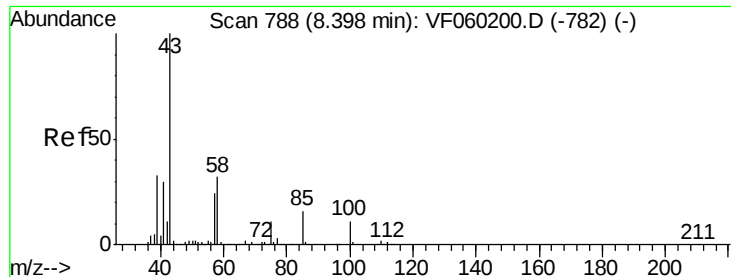
#50
Toluene-d8
Concen: 50.64 ug/l
RT: 7.72 min Scan# 719
Delta R.T. 0.01 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

Tgt Ion: 98 Resp: 258616
Ion Ratio Lower Upper
98 100
100 59.5 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: 270.61 ug/l

RT: 8.41 min Scan# 789

Delta R.T. 0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

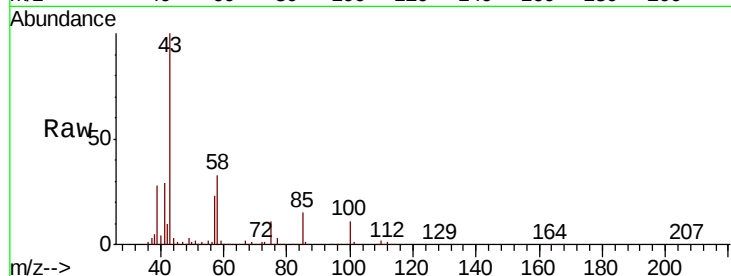
J4803-17MS

Tot Ion: 43 Resp: 343861

Ion Ratio Lower Upper

43 100

58 33.4 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

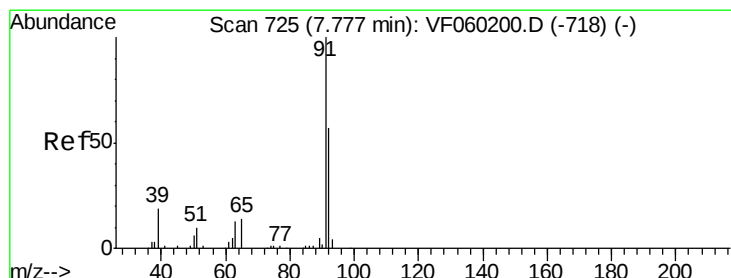
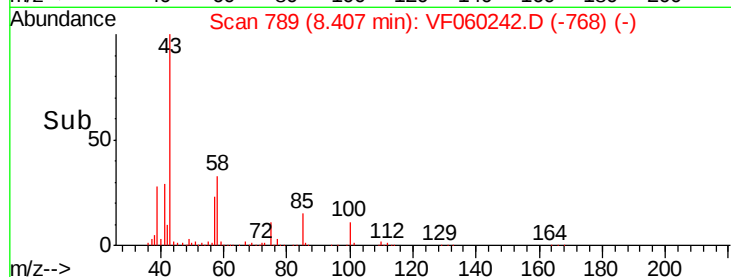
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 52.18 ug/l

RT: 7.79 min Scan# 726

Delta R.T. 0.01 min

Lab File: VF060242.D

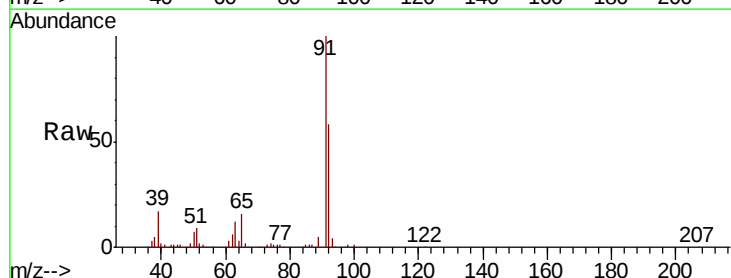
Acq: 10 Sep 2018 18:37

Tgt Ion: 92 Resp: 177027

Ion Ratio Lower Upper

92 100

91 171.2 140.0 210.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

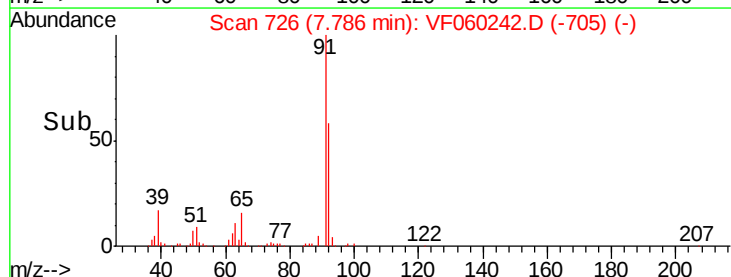
150000

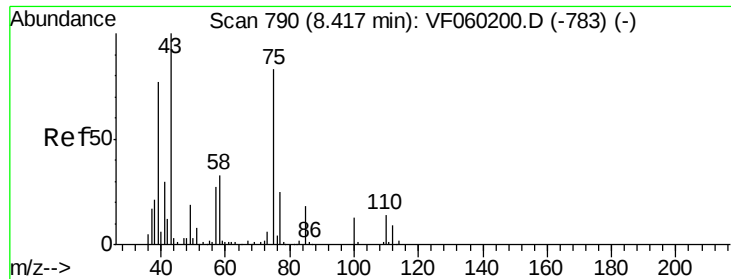
100000

50000

0

Time-->

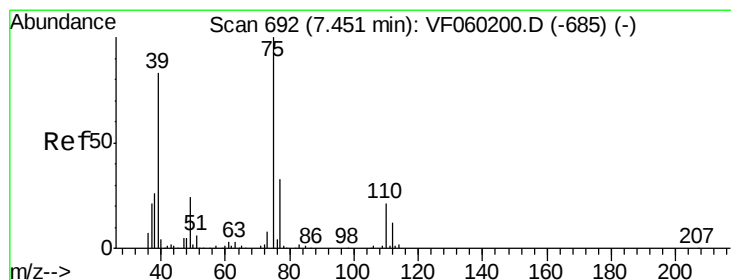
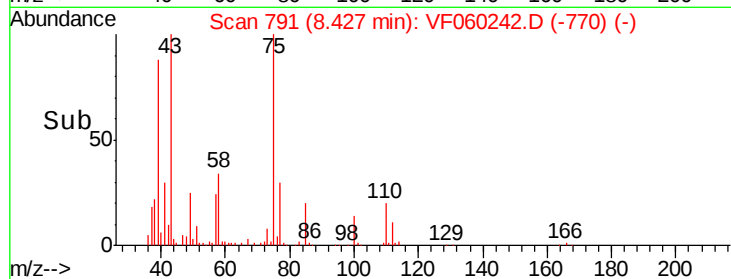
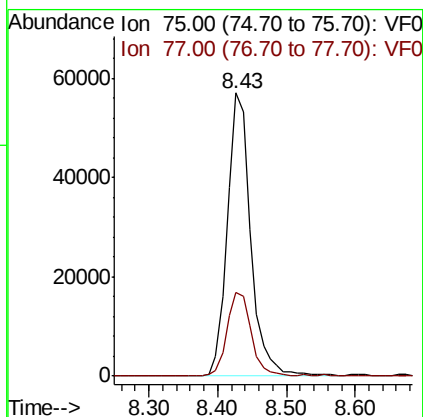
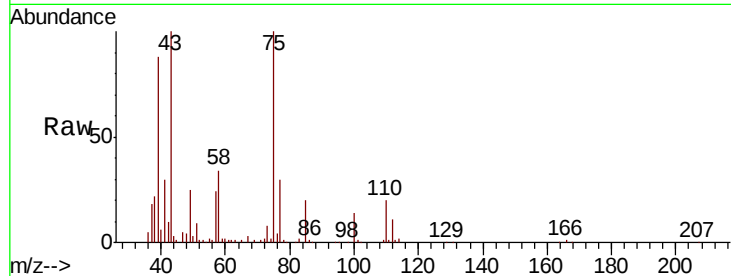




#53
t-1,3-Dichloropropene
Concen: 53.82 ug/l
RT: 8.43 min Scan# 791
Delta R.T. 0.01 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

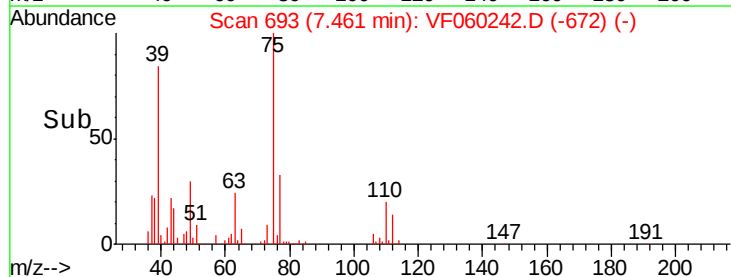
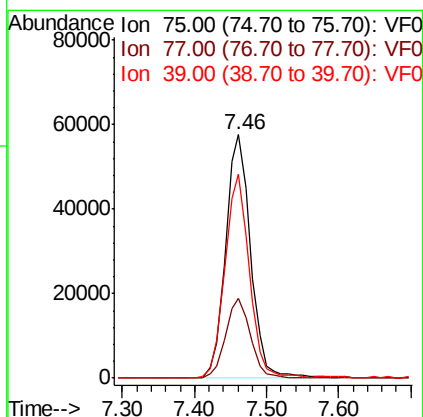
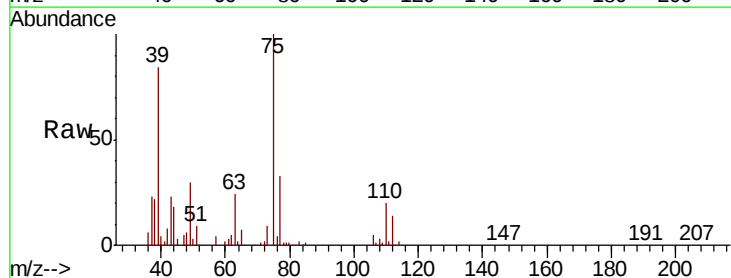
Instrument :
MSVOA_F
ClientSampleId :
J4803-17MS

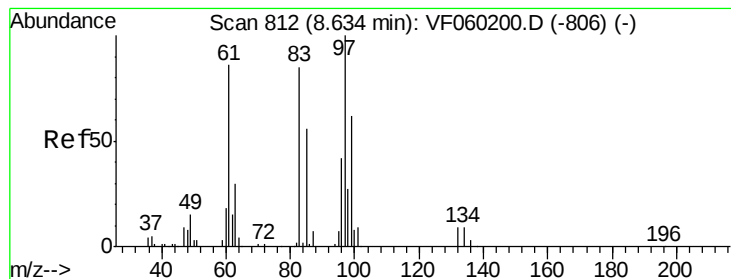
Tot Ion: 75 Resp: 134571
Ion Ratio Lower Upper
75 100
77 29.8 24.3 36.5



#54
cis-1,3-Dichloropropene
Concen: 53.45 ug/l
RT: 7.46 min Scan# 693
Delta R.T. 0.01 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

Tgt Ion: 75 Resp: 138740
Ion Ratio Lower Upper
75 100
77 32.7 26.6 39.8
39 83.6 66.6 100.0





#55

1,1,2-Trichloroethane

Concen: 48.09 ug/l

RT: 8.64 min Scan# 813

Delta R.T. 0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MS

Tot Ion: 97 Resp: 60007

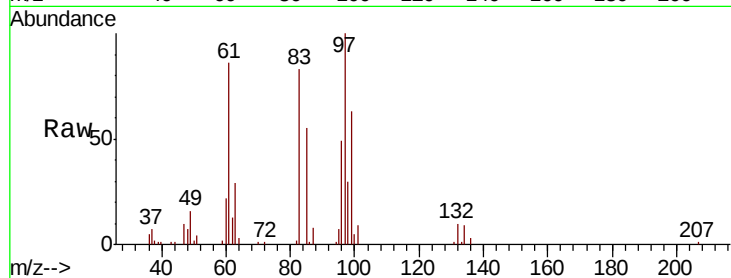
Ion Ratio Lower Upper

97 100

83 82.6 68.1 102.1

85 55.3 44.6 66.8

99 62.9 49.8 74.8

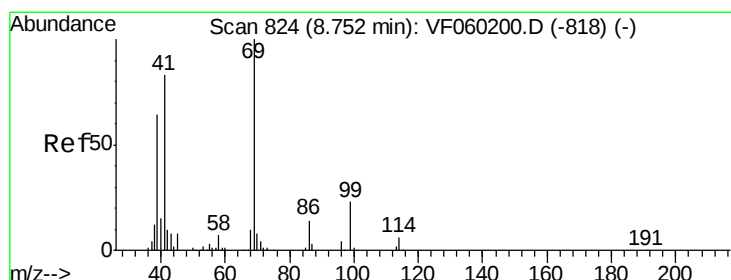
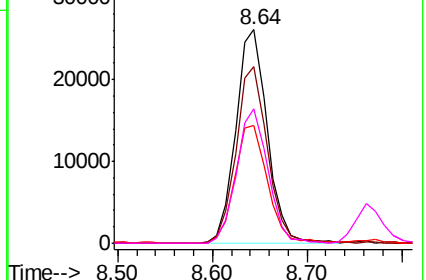
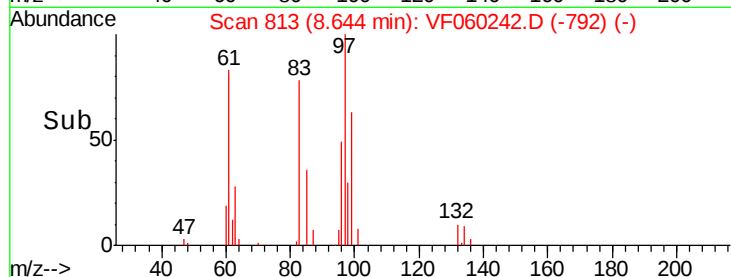


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 27.52 ug/l

RT: 8.76 min Scan# 825

Delta R.T. 0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

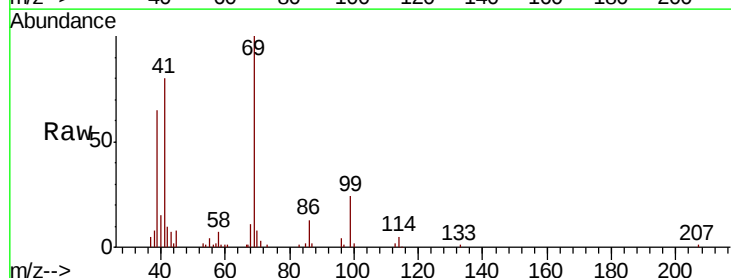
Tgt Ion: 69 Resp: 39255

Ion Ratio Lower Upper

69 100

41 80.2 66.6 100.0

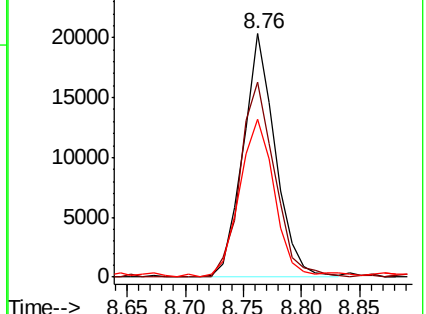
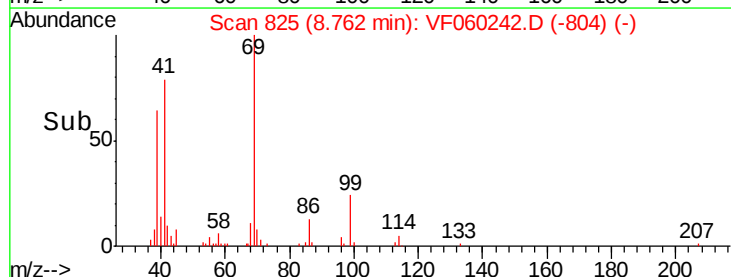
39 64.9 51.5 77.3

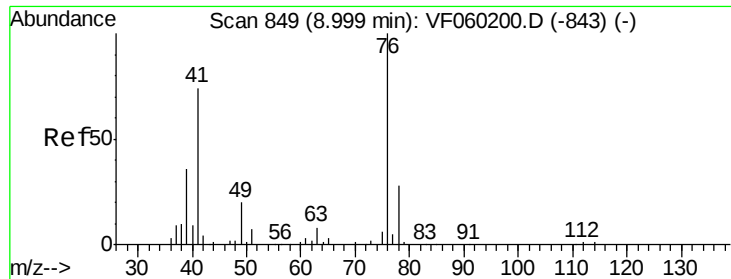


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

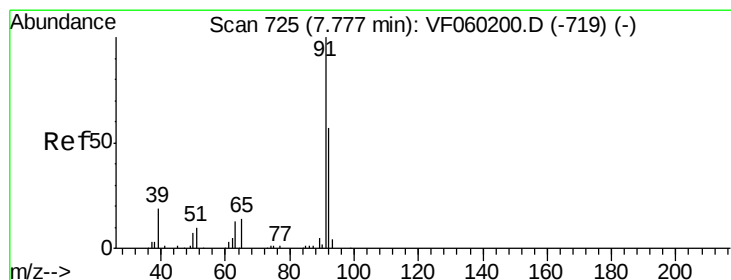
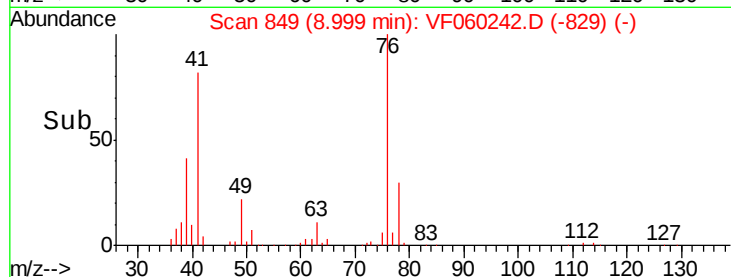
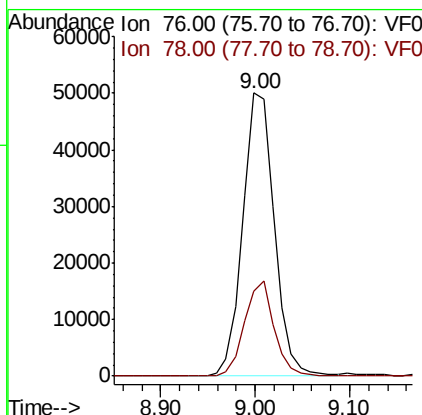
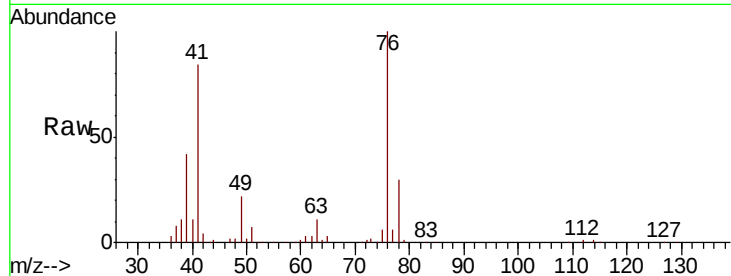




#57
 1,3-Dichloropropane
 Concen: 52.40 ug/l
 RT: 9.00 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: VF060242.D
 Acq: 10 Sep 2018 18:37

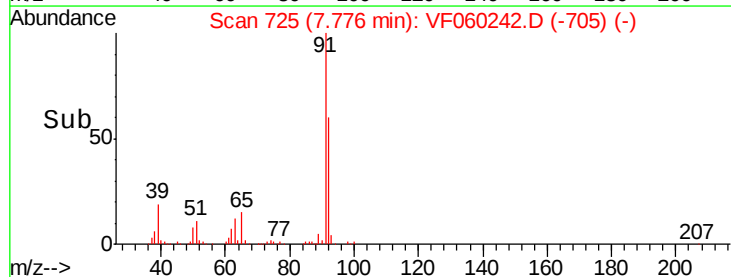
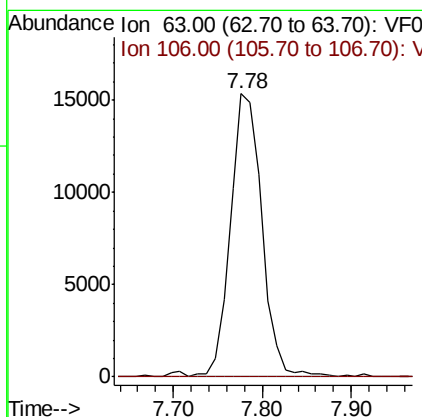
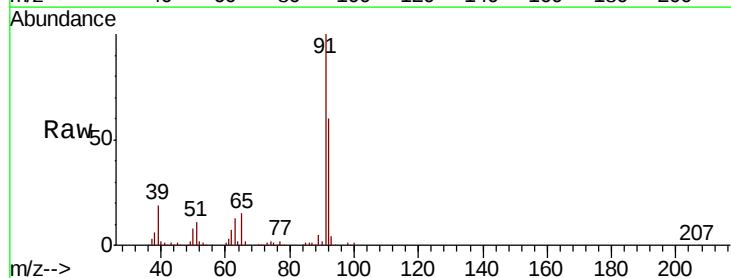
Instrument :
 MSVOA_F
 ClientSampleId :
 J4803-17MS

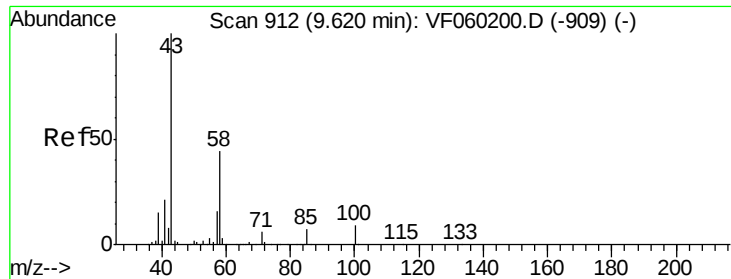
Tot Ion: 76 Resp: 116264
 Ion Ratio Lower Upper
 76 100
 78 30.0 22.8 34.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.34 ug/l
 RT: 7.78 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: VF060242.D
 Acq: 10 Sep 2018 18:37

Tgt Ion: 63 Resp: 37944
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

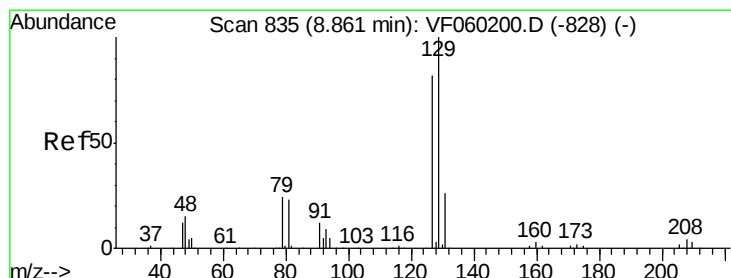
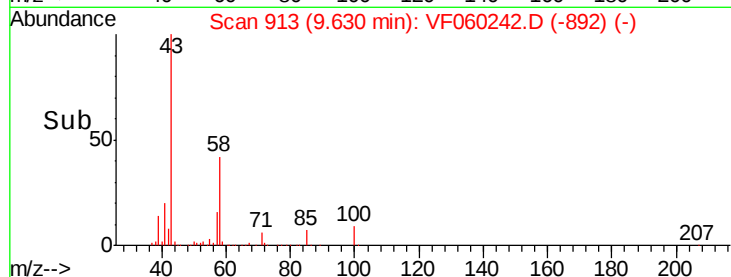
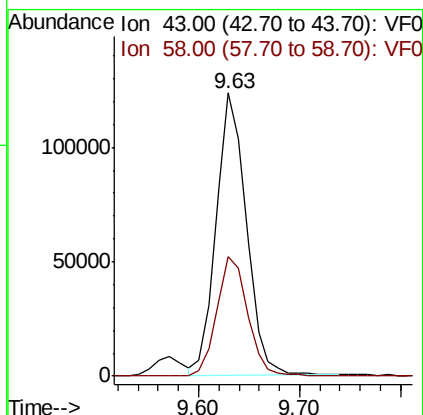
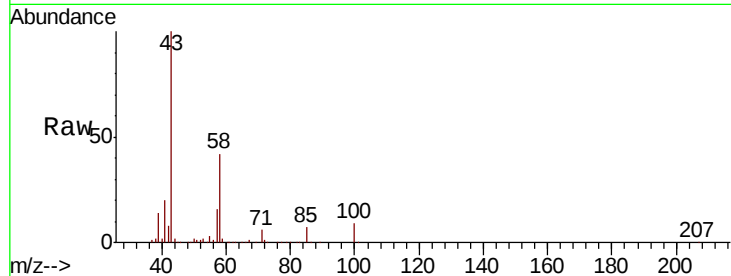




#59
2-Hexanone
Concen: 271.48 ug/l
RT: 9.63 min Scan# 913
Delta R.T. 0.01 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

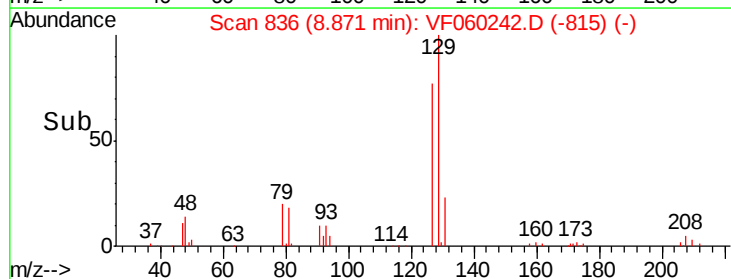
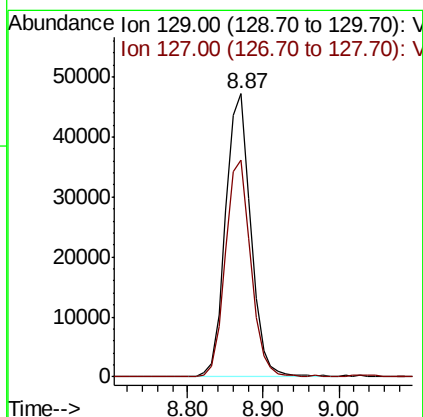
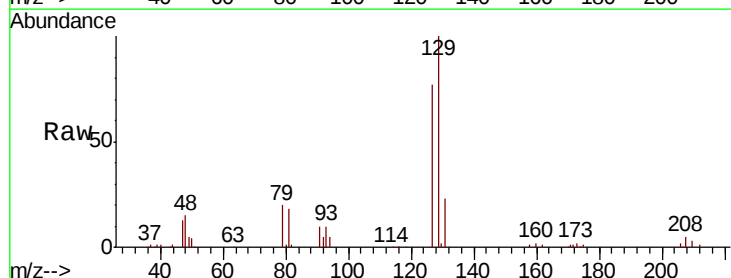
Instrument :
MSVOA_F
ClientSampleId :
J4803-17MS

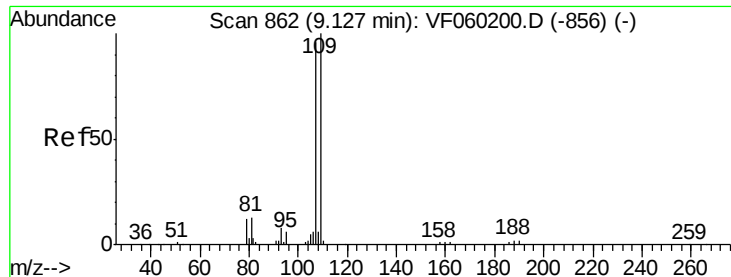
Tot Ion: 43 Resp: 257910
Ion Ratio Lower Upper
43 100
58 42.2 20.8 62.5



#60
Dibromochloromethane
Concen: 52.53 ug/l
RT: 8.87 min Scan# 836
Delta R.T. 0.01 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

Tgt Ion: 129 Resp: 108560
Ion Ratio Lower Upper
129 100
127 75.5 40.9 122.8





#61

1,2-Dibromoethane

Concen: 49.99 ug/l

RT: 9.14 min Scan# 863

Delta R.T. 0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

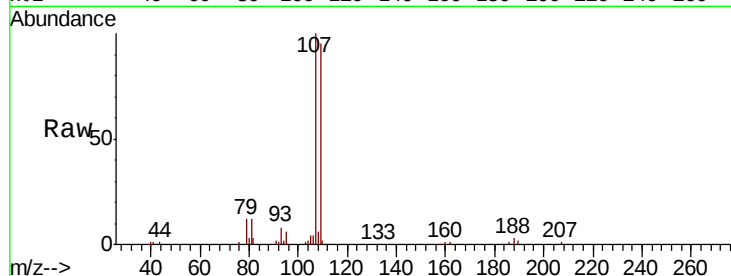
J4803-17MS

Tot Ion:107 Resp: 74819

Ion Ratio Lower Upper

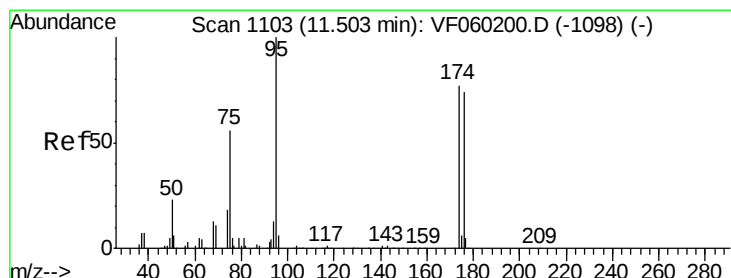
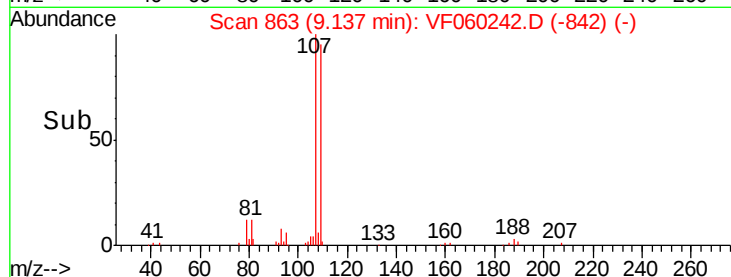
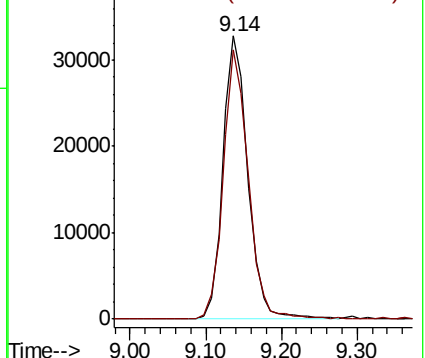
107 100

109 94.9 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: 48.66 ug/l

RT: 11.51 min Scan# 1104

Delta R.T. 0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

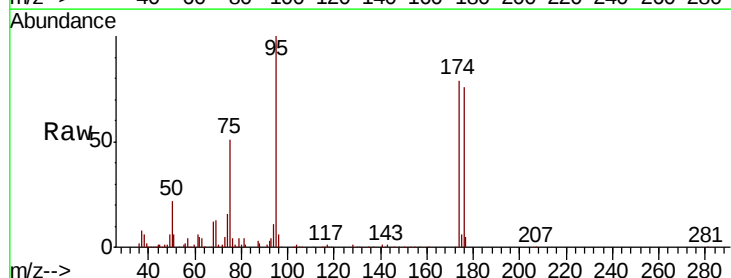
Tgt Ion: 95 Resp: 140221

Ion Ratio Lower Upper

95 100

174 79.0 0.0 153.2

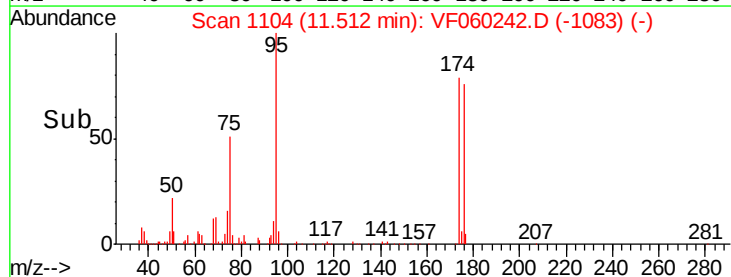
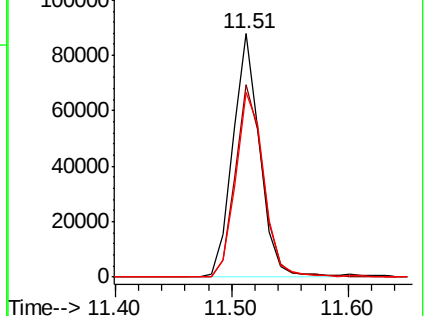
176 76.1 0.0 147.2

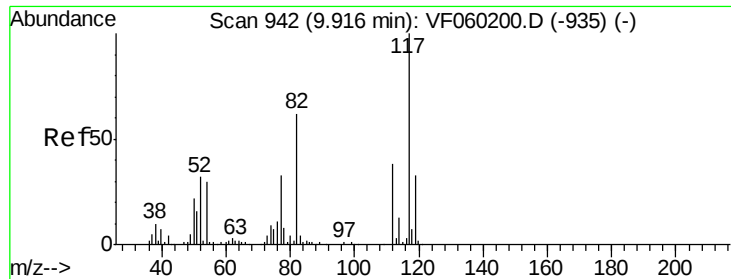


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

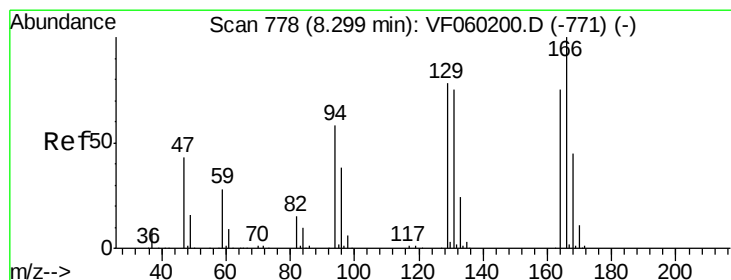
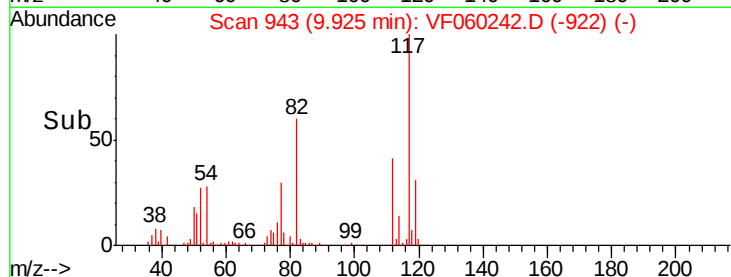
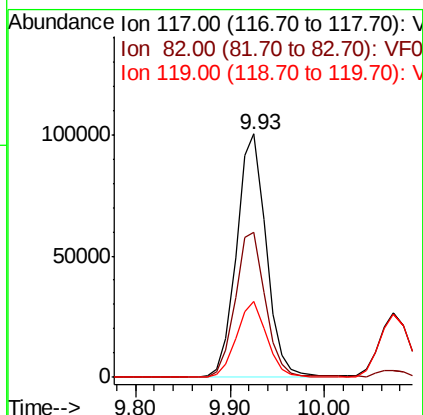
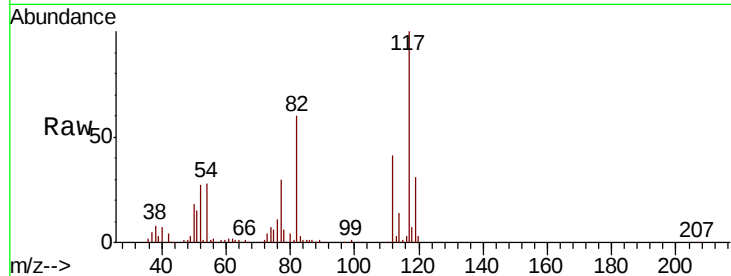




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.01 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

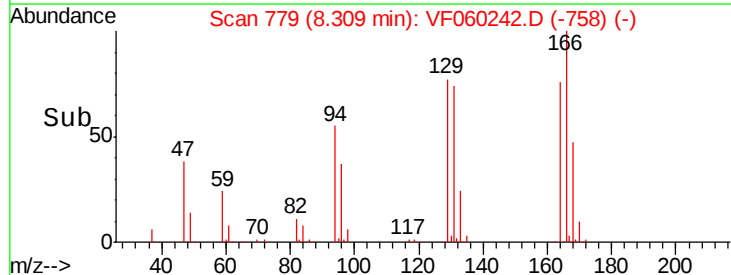
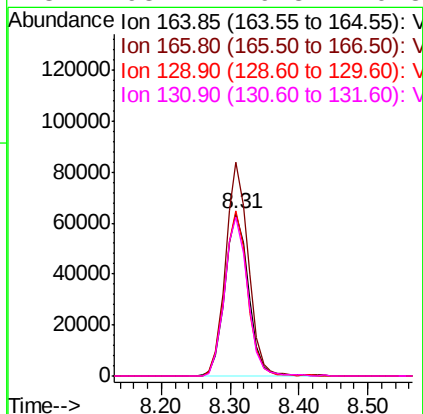
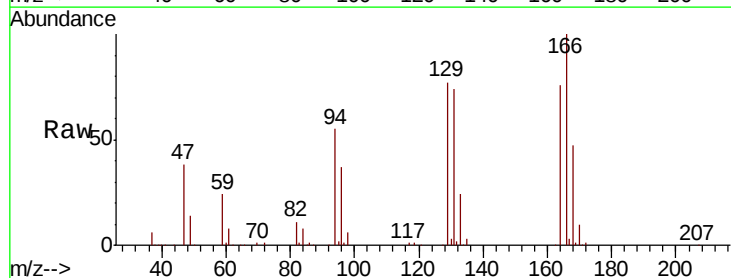
Instrument :
MSVOA_F
ClientSampleId :
J4803-17MS

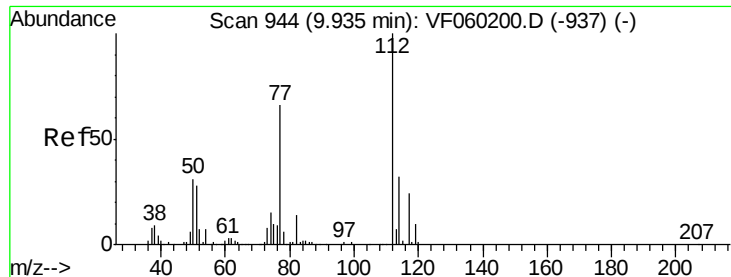
Tot Ion:117 Resp: 218586
Ion Ratio Lower Upper
117 100
82 59.5 49.3 73.9
119 31.1 26.5 39.7



#64
Tetrachloroethene
Concen: 68.81 ug/l
RT: 8.31 min Scan# 779
Delta R.T. 0.01 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

Tgt Ion:164 Resp: 150598
Ion Ratio Lower Upper
164 100
166 131.9 107.0 160.4
129 101.9 83.0 124.6
131 98.2 79.8 119.8

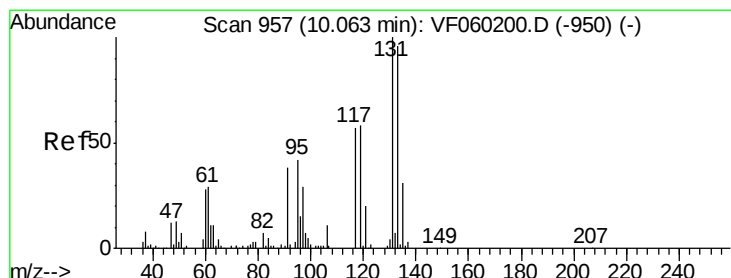
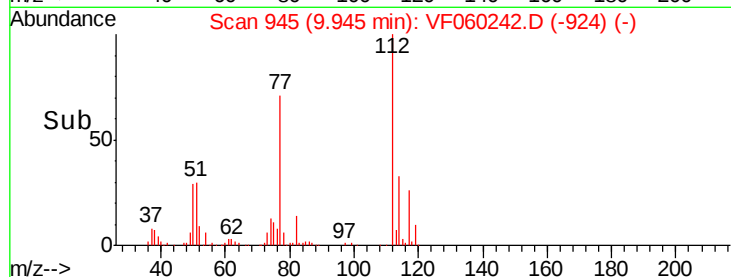
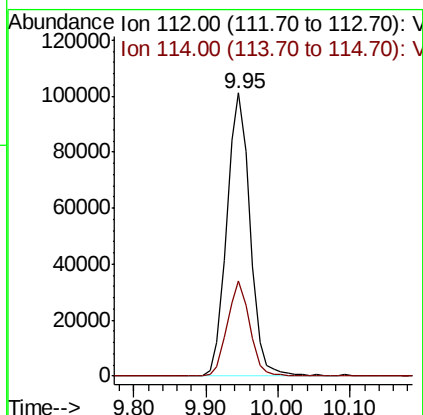
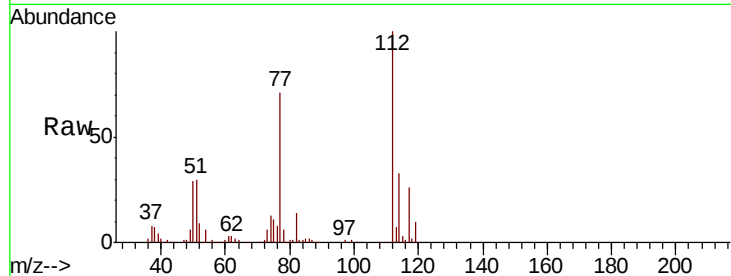




#65
Chlorobenzene
Concen: 50.20 ug/l
RT: 9.95 min Scan# 945
Delta R.T. 0.01 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

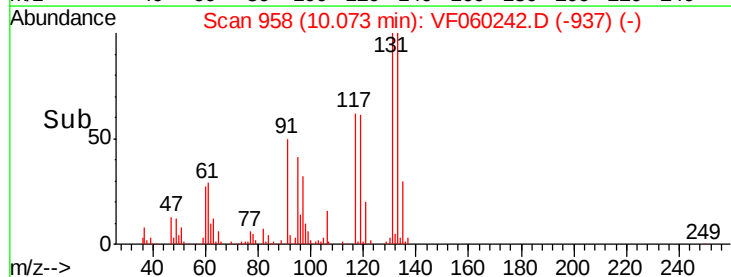
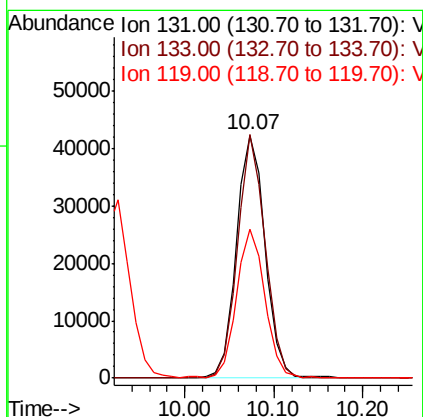
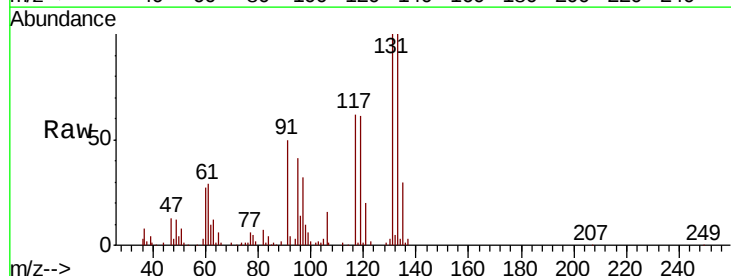
Instrument :
MSVOA_F
ClientSampleId :
J4803-17MS

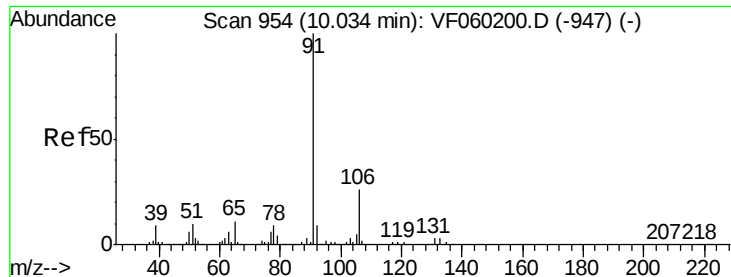
Tot Ion:112 Resp: 227119
Ion Ratio Lower Upper
112 100
114 33.5 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 47.21 ug/l
RT: 10.07 min Scan# 958
Delta R.T. 0.01 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

Tgt Ion:131 Resp: 94667
Ion Ratio Lower Upper
131 100
133 100.3 47.9 143.8
119 61.5 29.0 87.0





#67

Ethyl Benzene

Concen: 49.32 ug/l

RT: 10.04 min Scan# 955

Delta R.T. 0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

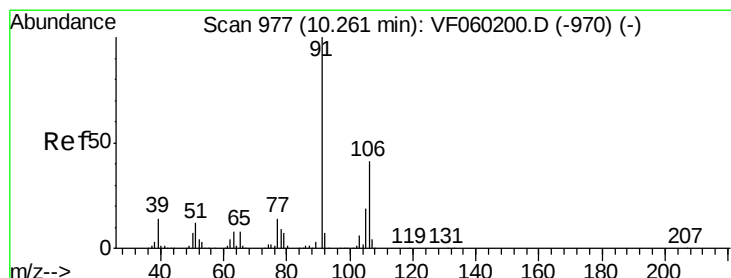
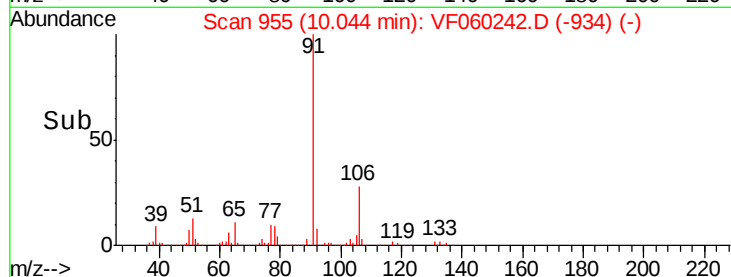
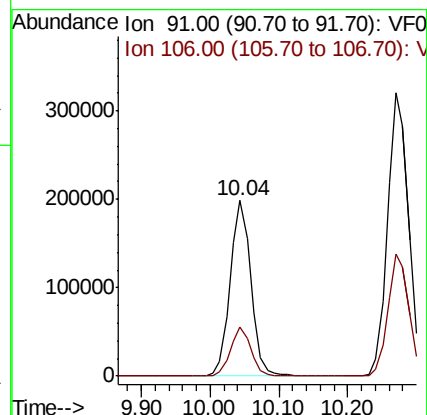
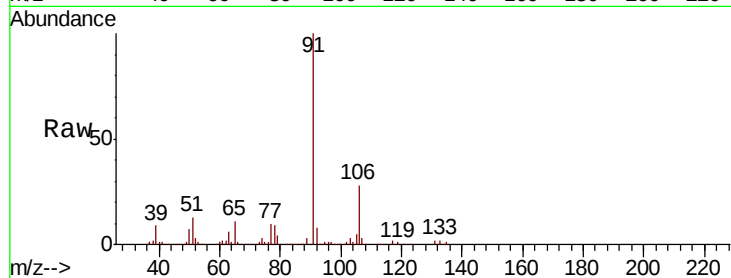
J4803-17MS

Tot Ion: 91 Resp: 416299

Ion Ratio Lower Upper

91 100

106 27.9 21.1 31.7



#68

m/p-Xylenes

Concen: 104.76 ug/l

RT: 10.27 min Scan# 978

Delta R.T. 0.01 min

Lab File: VF060242.D

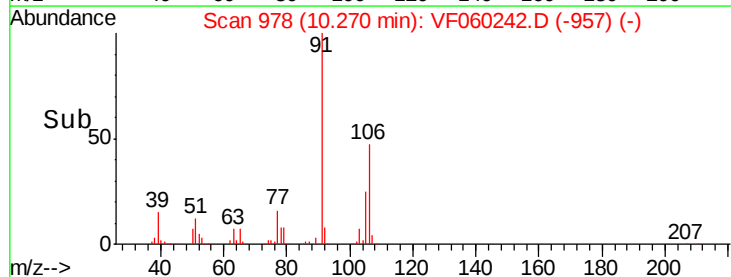
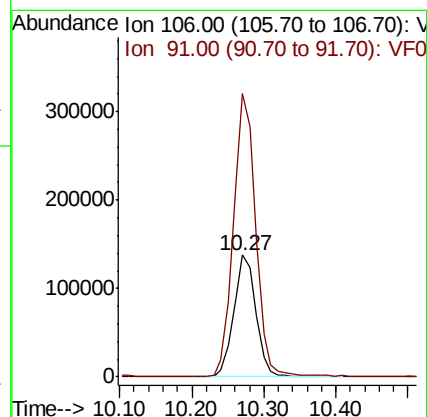
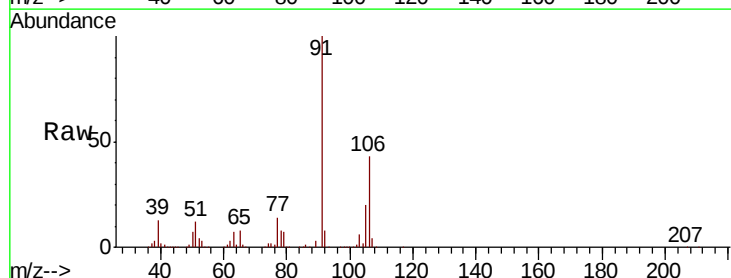
Acq: 10 Sep 2018 18:37

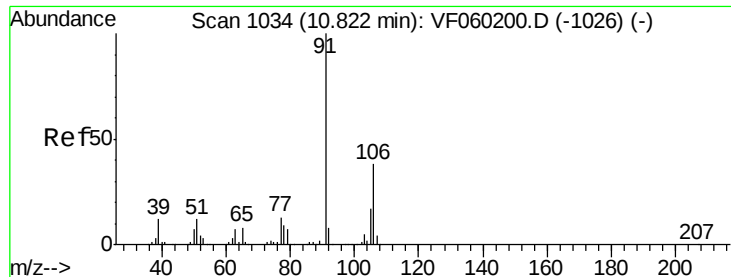
Tgt Ion: 106 Resp: 296683

Ion Ratio Lower Upper

106 100

91 232.1 194.6 291.8

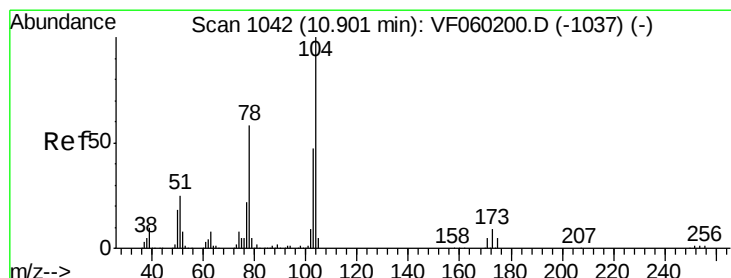
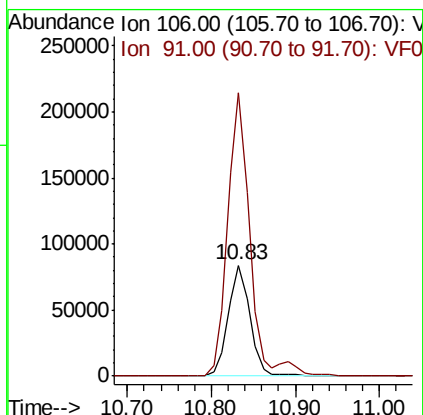
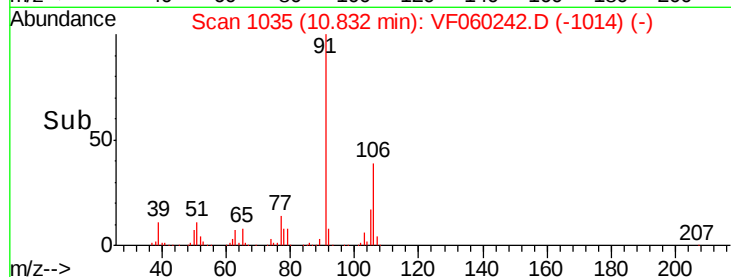
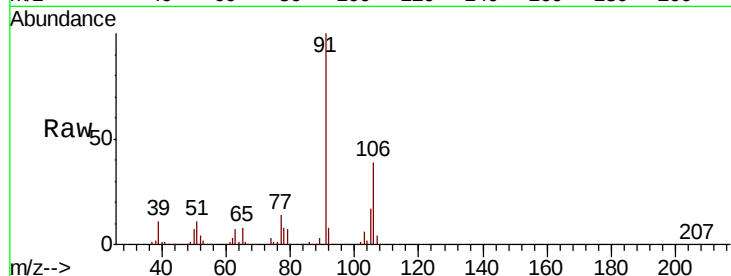




#69
o-Xylene
Concen: 50.17 ug/l
RT: 10.83 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

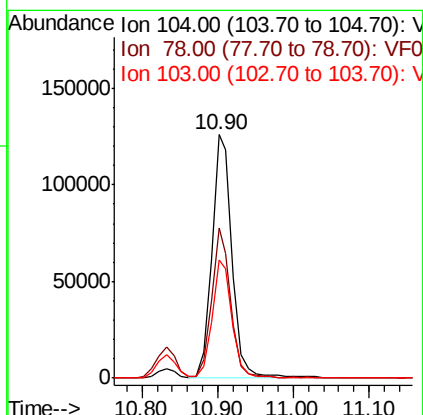
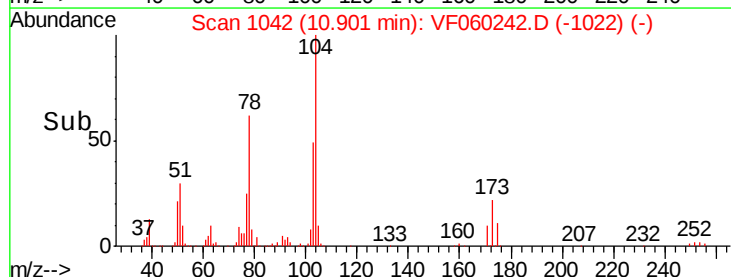
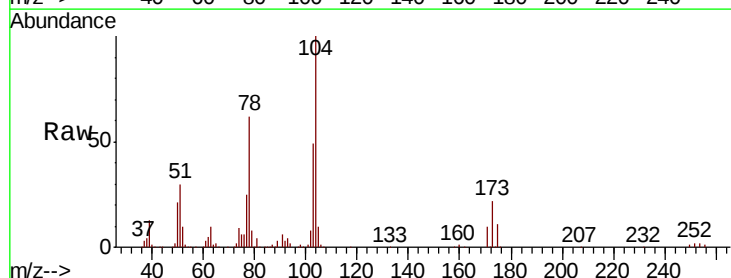
Instrument :
MSVOA_F
ClientSampleId :
J4803-17MS

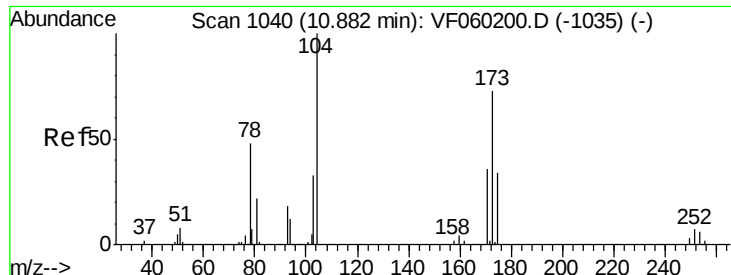
Tot Ion:106 Resp: 151561
Ion Ratio Lower Upper
106 100
91 255.0 130.5 391.5



#70
Styrene
Concen: 51.26 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

Tgt Ion:104 Resp: 234735
Ion Ratio Lower Upper
104 100
78 61.6 47.1 70.7
103 48.6 38.6 57.8

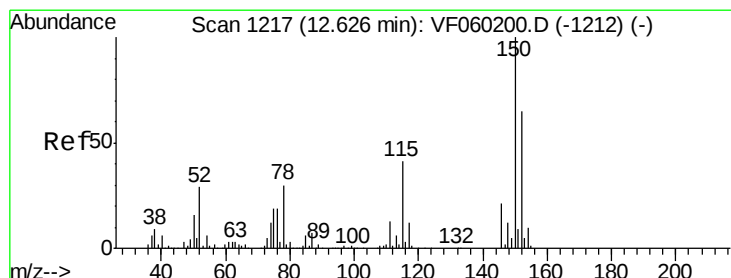
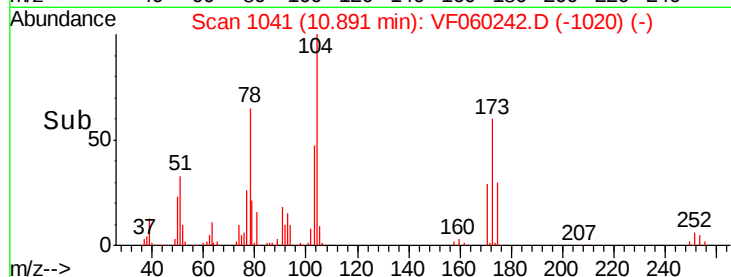
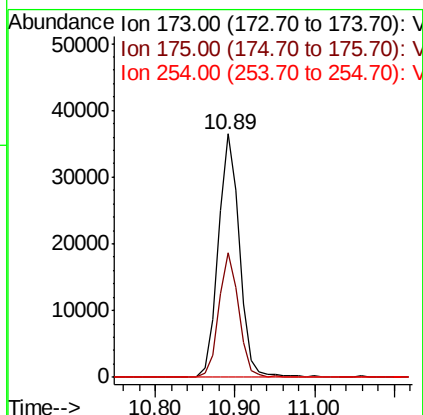
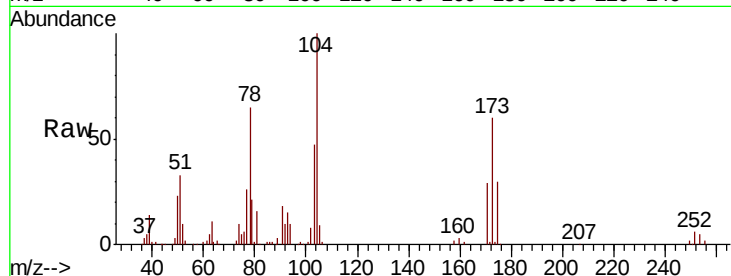




#71
Bromoform
Concen: 59.25 ug/l
RT: 10.89 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

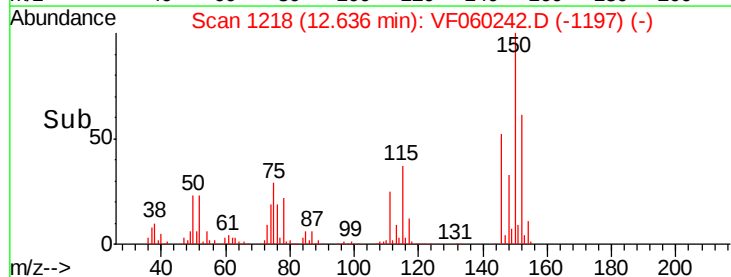
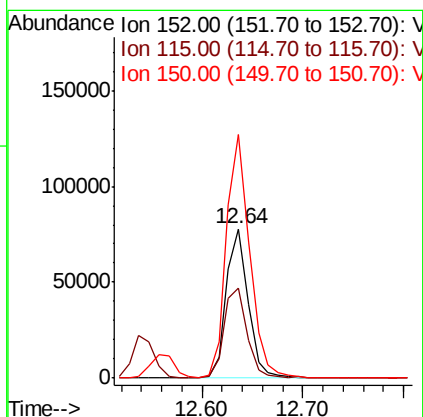
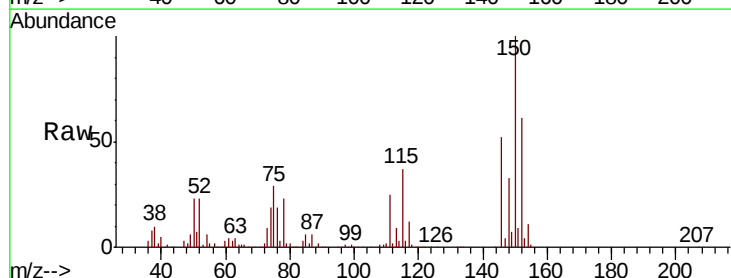
Instrument :
MSVOA_F
ClientSampleId :
J4803-17MS

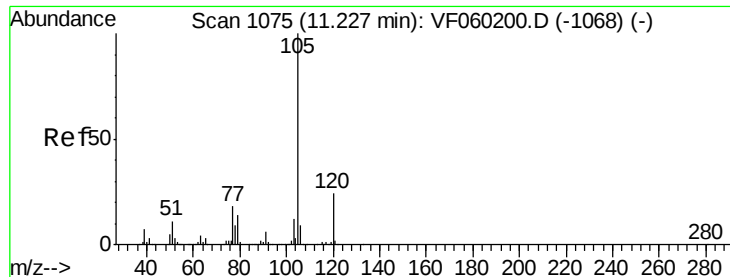
Tot Ion:173 Resp: 68596
Ion Ratio Lower Upper
173 100
175 51.0 23.1 69.3
254 0.0 0.2 0.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.64 min Scan# 1218
Delta R.T. 0.01 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

Tgt Ion:152 Resp: 118051
Ion Ratio Lower Upper
152 100
115 60.2 31.5 94.5
150 163.0 0.0 310.4





#73

Isopropylbenzene

Concen: 58.01 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

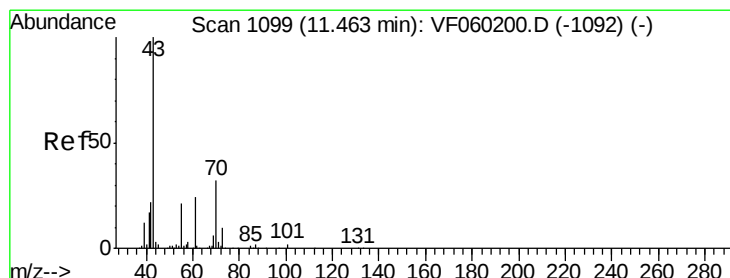
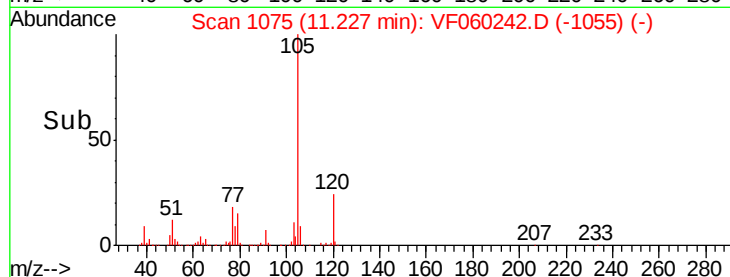
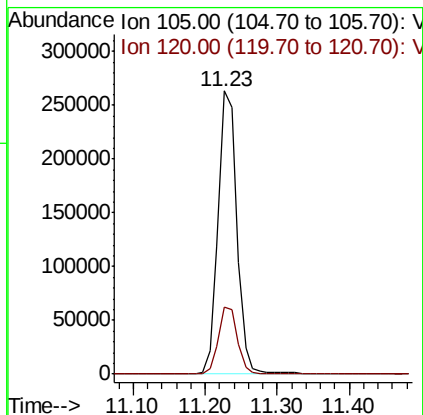
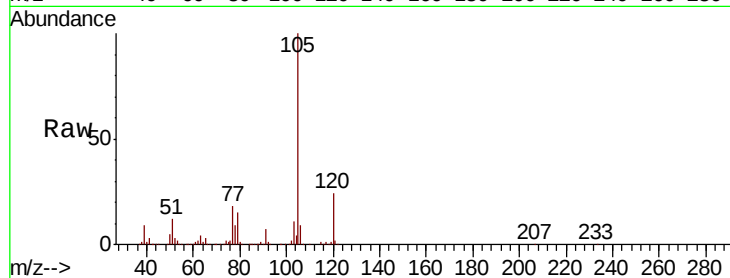
J4803-17MS

Tot Ion:105 Resp: 472394

Ion Ratio Lower Upper

105 100

120 23.6 11.8 35.3



#74

N-ethyl acetate

Concen: 16.83 ug/l

RT: 11.46 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

Tgt Ion: 43 Resp: 21583

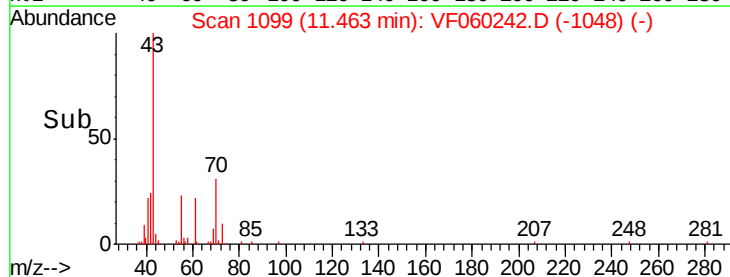
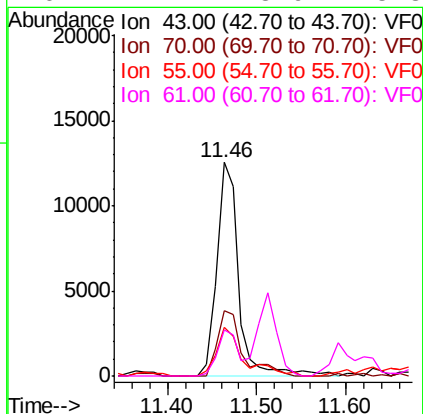
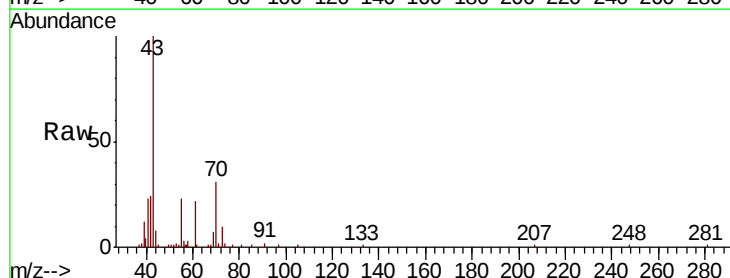
Ion Ratio Lower Upper

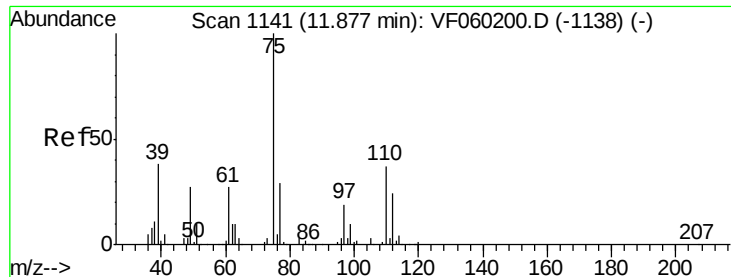
43 100

70 30.7 25.8 38.6

55 22.9 16.8 25.2

61 21.7 18.9 28.3





#76

1,2,3-Trichloropropane

Concen: 57.26 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

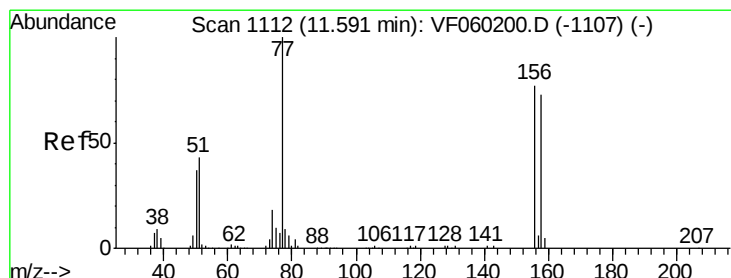
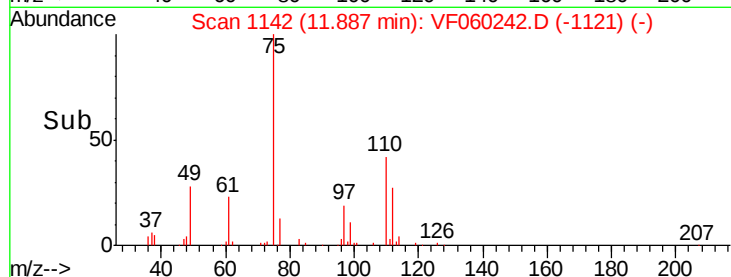
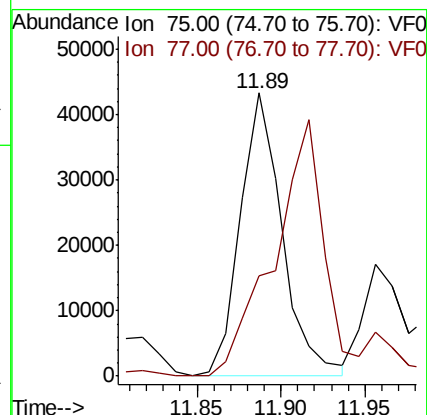
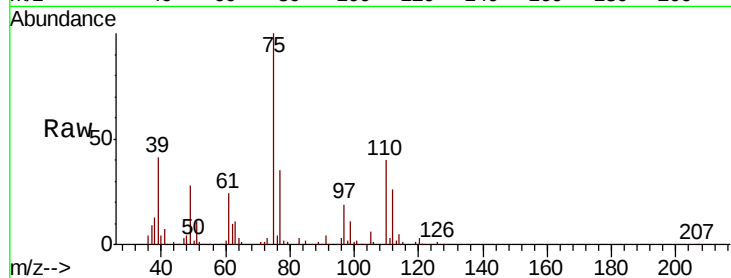
J4803-17MS

Tot Ion: 75 Resp: 74302

Ion Ratio Lower Upper

75 100

77 35.4 14.6 43.8



#77

Bromobenzene

Concen: 58.40 ug/l

RT: 11.60 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

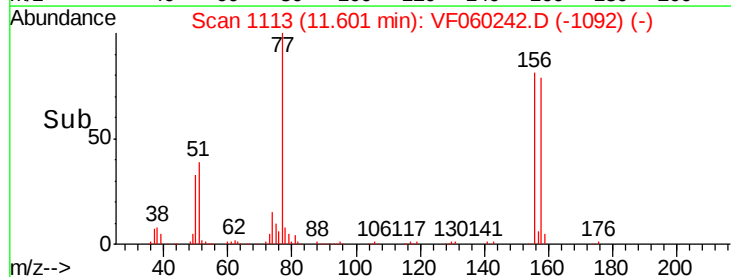
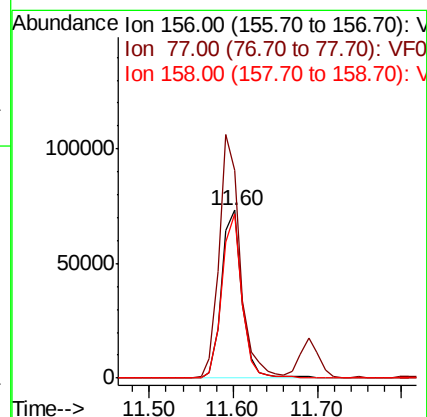
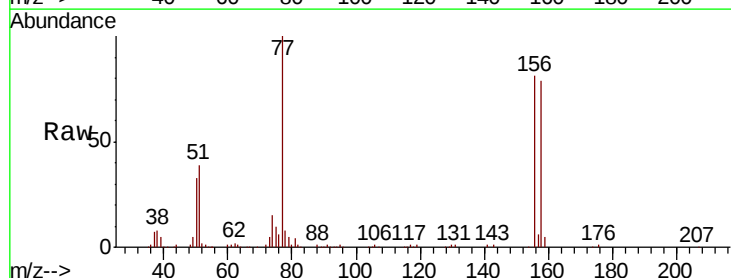
Tgt Ion: 156 Resp: 124538

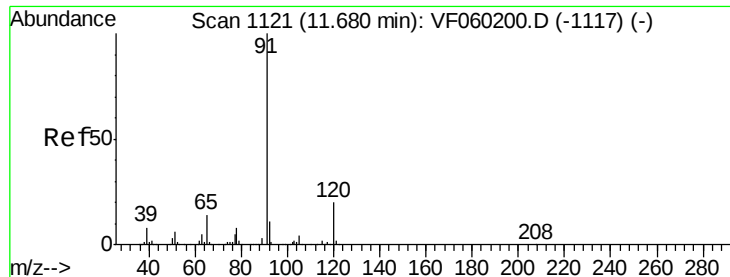
Ion Ratio Lower Upper

156 100

77 123.4 64.8 194.3

158 97.6 47.3 141.8

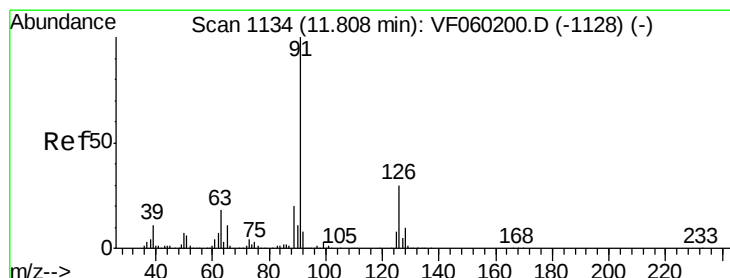
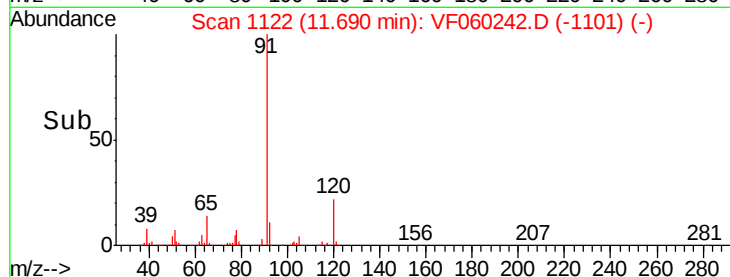
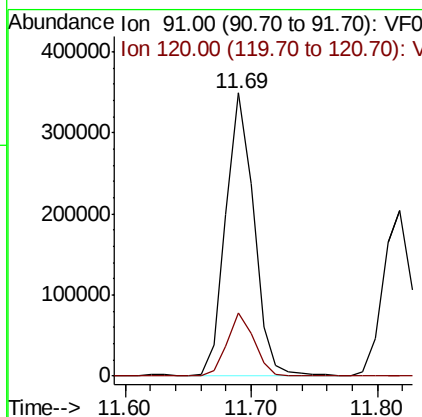
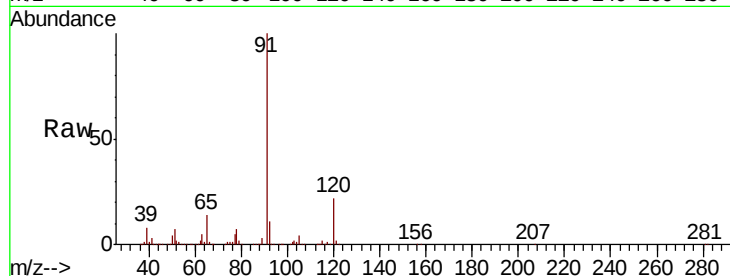




#78
n-propylbenzene
Concen: 55.07 ug/l
RT: 11.69 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

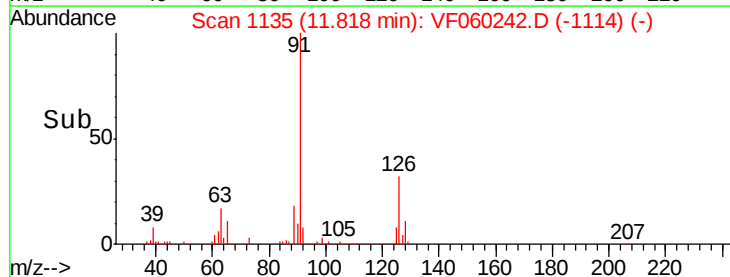
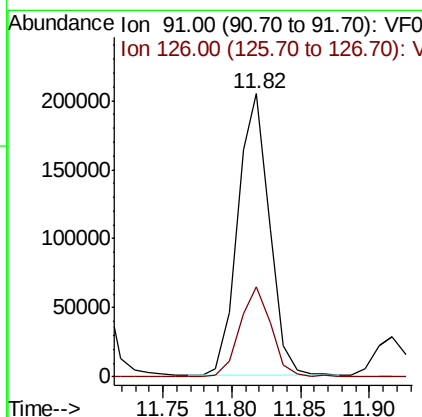
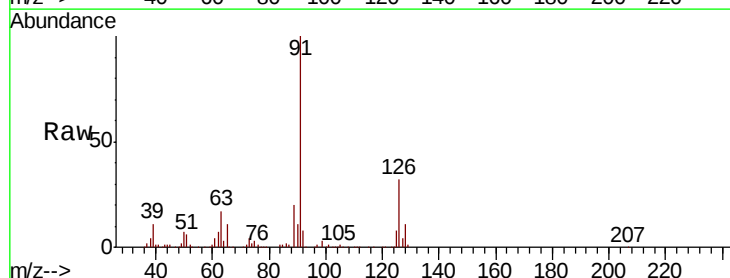
Instrument :
MSVOA_F
ClientSampleId :
J4803-17MS

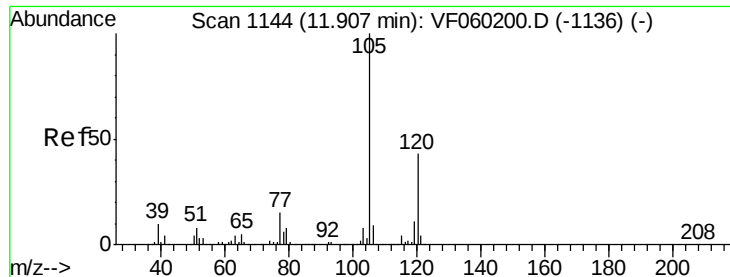
Tot Ion: 91 Resp: 537333
Ion Ratio Lower Upper
91 100
120 22.2 9.8 29.4



#79
2-Chlorotoluene
Concen: 55.35 ug/l
RT: 11.82 min Scan# 1135
Delta R.T. 0.01 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

Tgt Ion: 91 Resp: 326268
Ion Ratio Lower Upper
91 100
126 32.0 15.2 45.5





#80

1,3,5-Trimethylbenzene

Concen: 54.63 ug/l

RT: 11.92 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

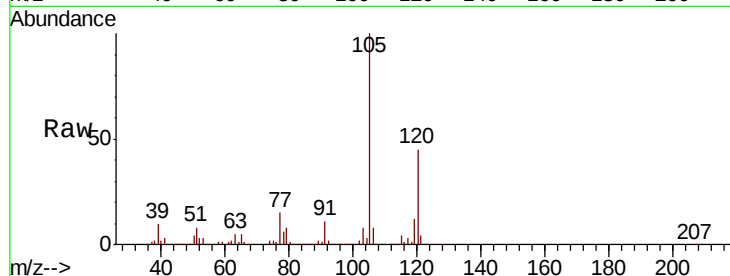
J4803-17MS

Tot Ion:105 Resp: 392688

Ion Ratio Lower Upper

105 100

120 44.7 21.6 64.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

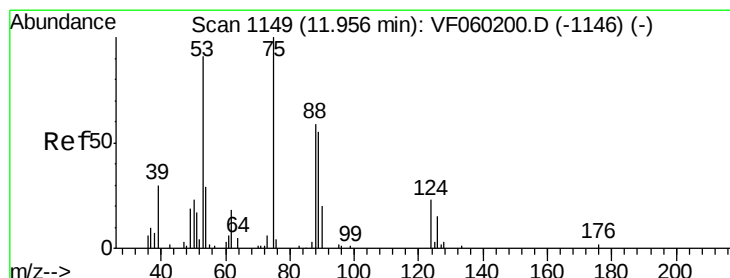
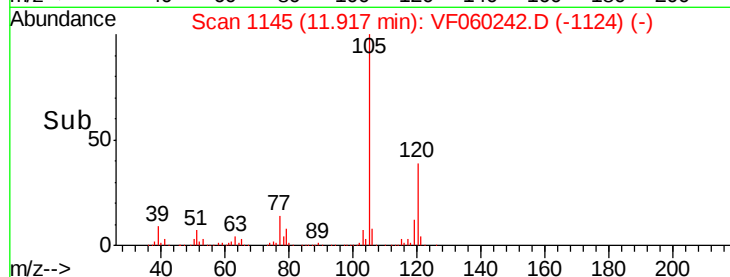
100000

50000

0

11.80 11.90 12.00

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 128.41 ug/l

RT: 11.96 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

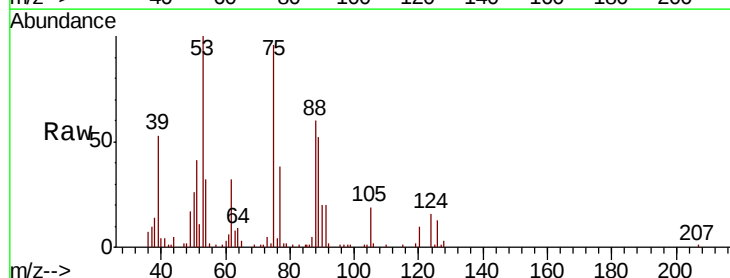
Tgt Ion: 75 Resp: 40191

Ion Ratio Lower Upper

75 100

53 104.4 76.5 114.7

89 54.4 46.5 69.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0

60000

50000

40000

30000

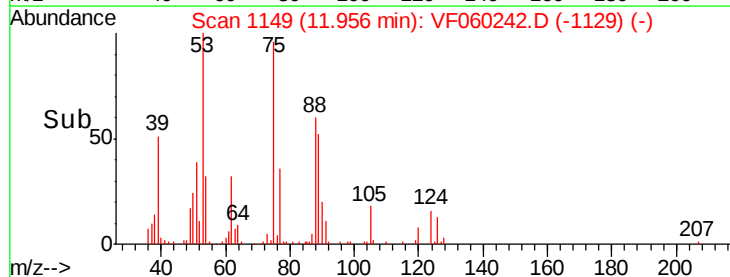
20000

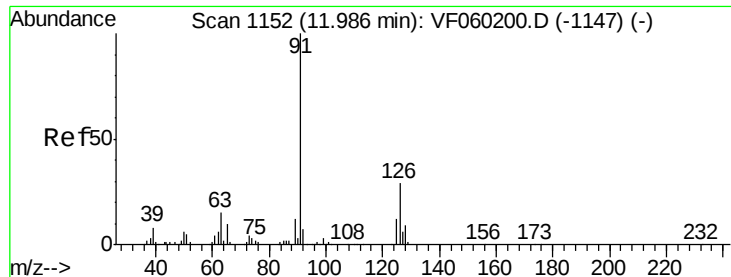
10000

0

11.90 11.96 12.00 12.10

Time-->





#82

4-Chlorotoluene

Concen: 54.62 ug/l

RT: 12.00 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

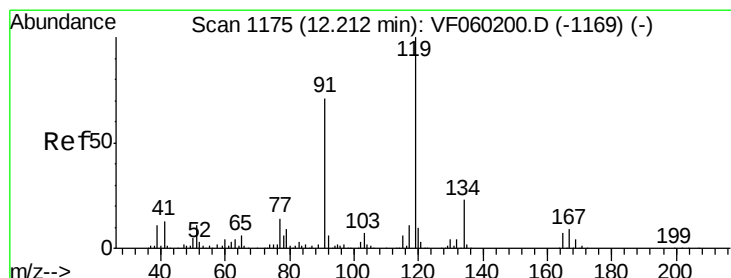
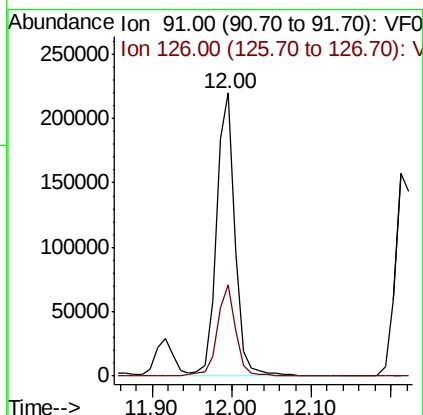
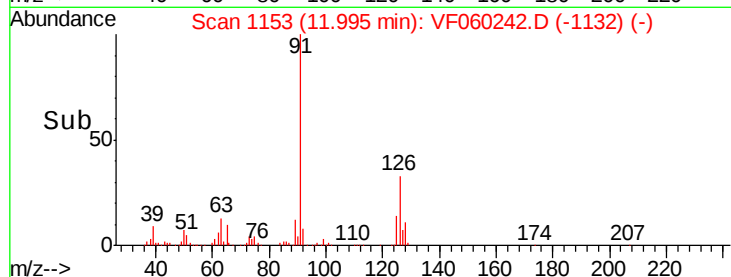
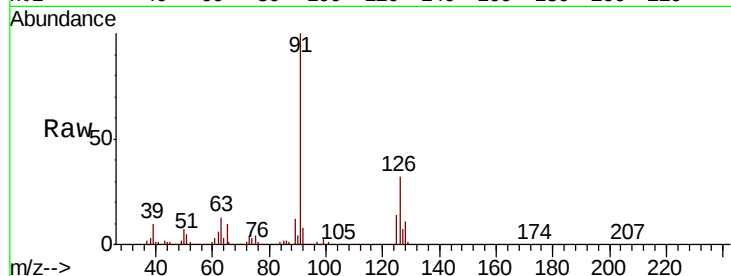
J4803-17MS

Tot Ion: 91 Resp: 357291

Ion Ratio Lower Upper

91 100

126 32.4 14.4 43.4



#83

tert-Butylbenzene

Concen: 52.15 ug/l

RT: 12.22 min Scan# 1176

Delta R.T. 0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

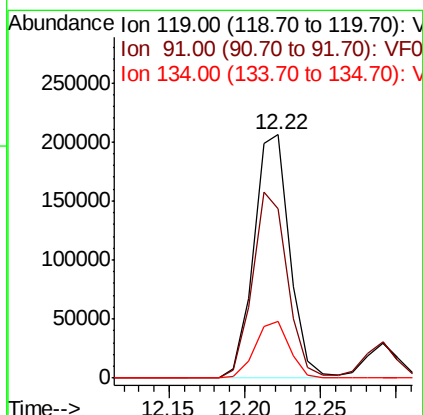
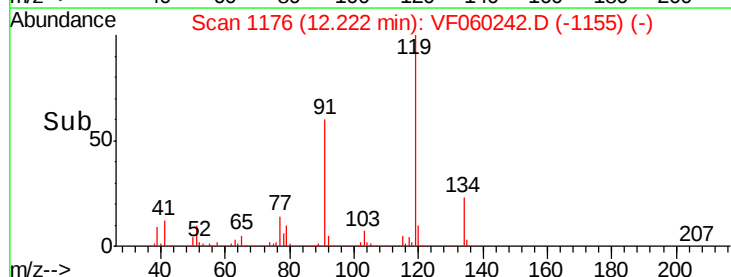
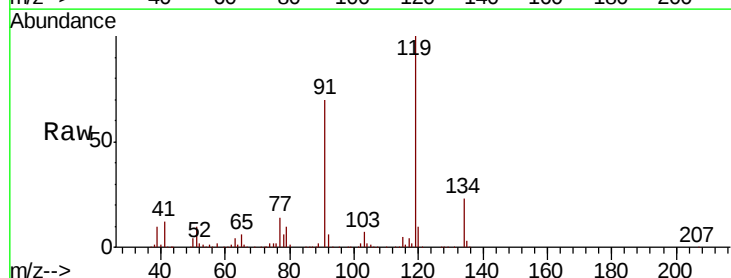
Tgt Ion: 119 Resp: 341571

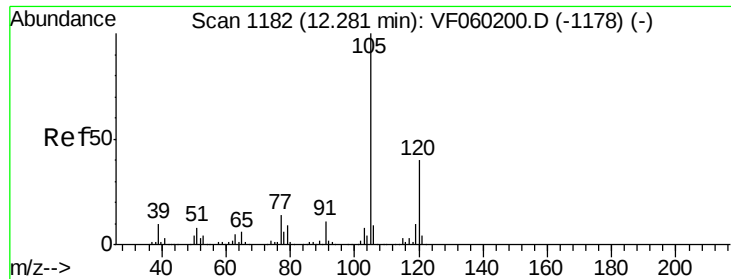
Ion Ratio Lower Upper

119 100

91 69.7 35.8 107.4

134 23.1 11.6 34.7

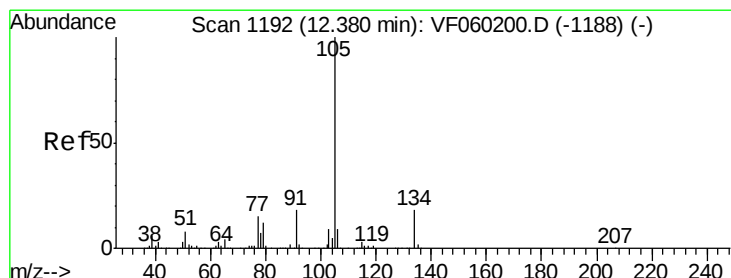
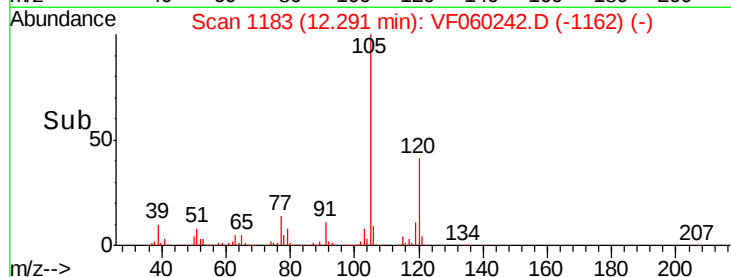
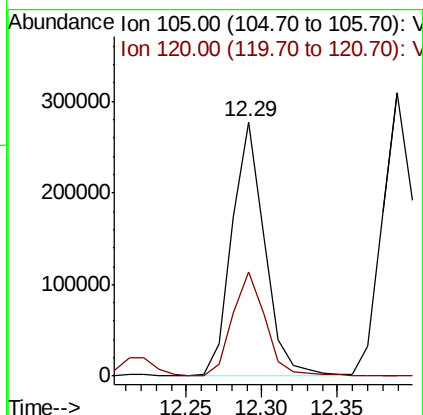
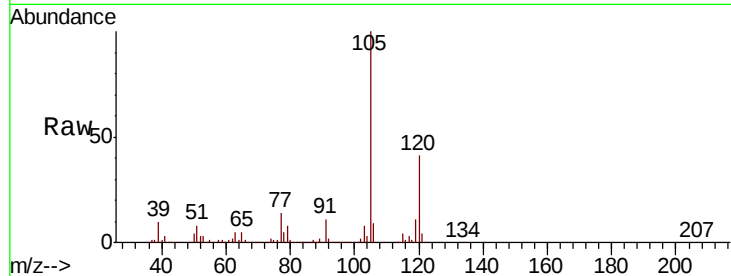




#84
 1,2,4-Trimethylbenzene
 Concen: 56.87 ug/l
 RT: 12.29 min Scan# 1183
 Delta R.T. 0.01 min
 Lab File: VF060242.D
 Acq: 10 Sep 2018 18:37

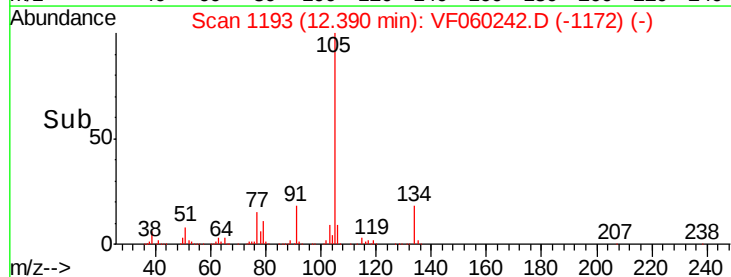
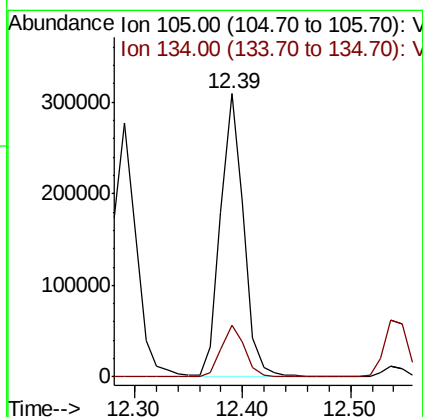
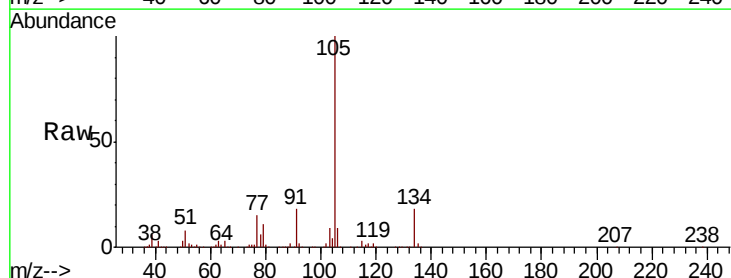
Instrument :
 MSVOA_F
 ClientSampleId :
 J4803-17MS

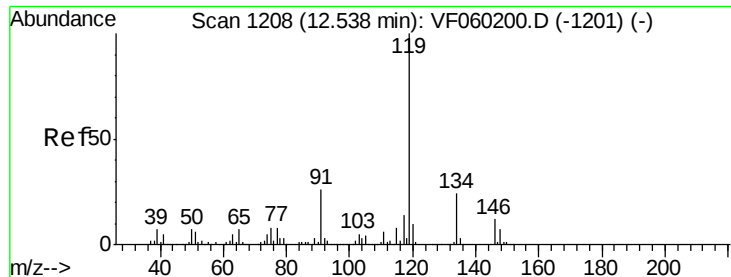
Tot Ion:105 Resp: 415331
 Ion Ratio Lower Upper
 105 100
 120 40.8 20.2 60.5



#85
 sec-Butylbenzene
 Concen: 50.52 ug/l
 RT: 12.39 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: VF060242.D
 Acq: 10 Sep 2018 18:37

Tgt Ion:105 Resp: 456537
 Ion Ratio Lower Upper
 105 100
 134 18.1 8.8 26.5

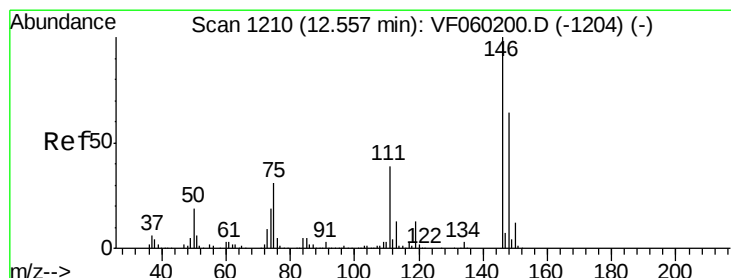
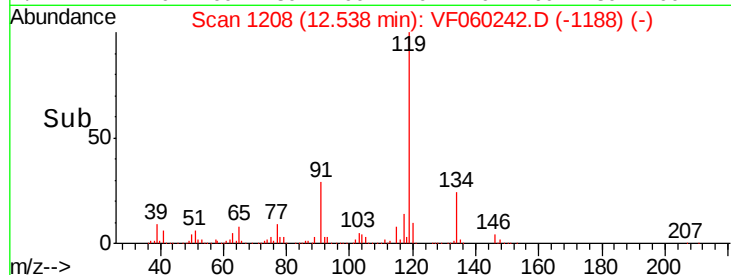
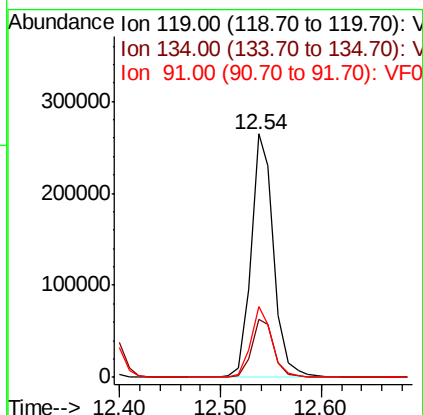
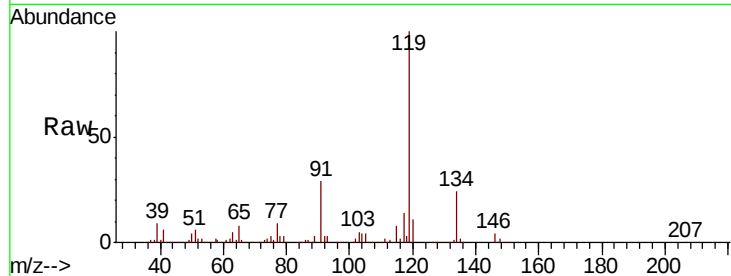




#86
p-Isopropyltoluene
Concen: 51.51 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.00 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

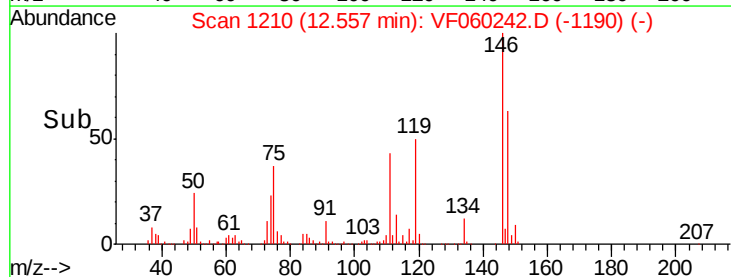
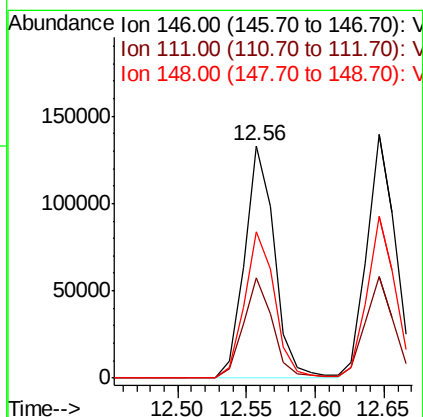
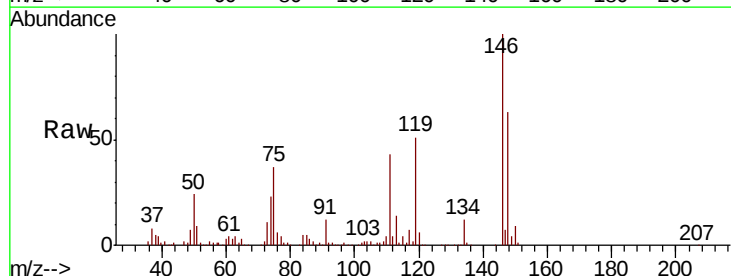
Instrument :
MSVOA_F
ClientSampleId :
J4803-17MS

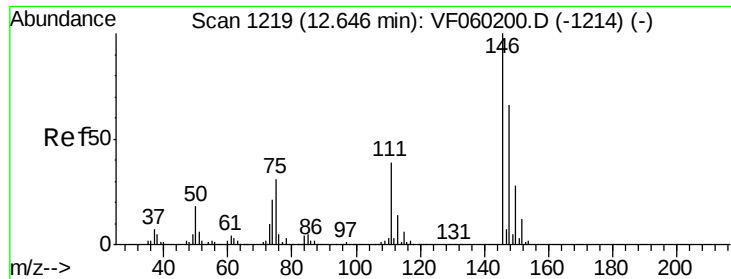
Tot Ion:119 Resp: 413292
Ion Ratio Lower Upper
119 100
134 23.7 12.0 36.0
91 29.0 12.9 38.7



#87
1,3-Dichlorobenzene
Concen: 52.09 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. -0.00 min
Lab File: VF060242.D
Acq: 10 Sep 2018 18:37

Tgt Ion:146 Resp: 202992
Ion Ratio Lower Upper
146 100
111 43.1 19.7 59.1
148 62.8 32.0 96.0

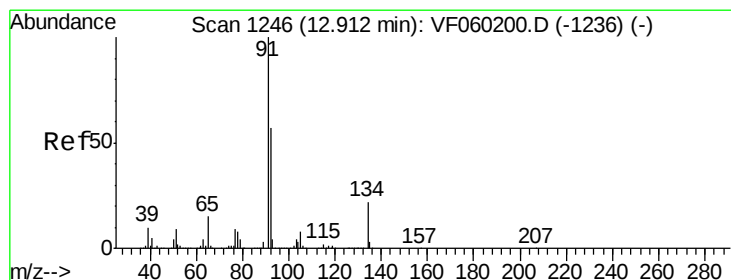
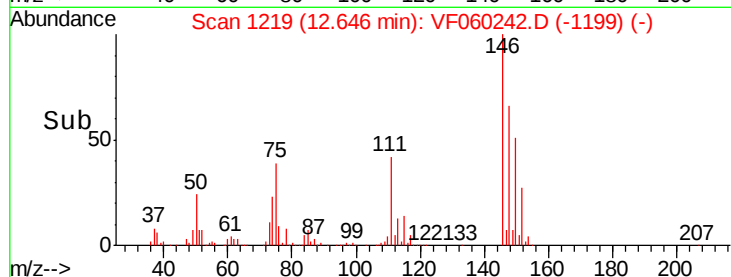
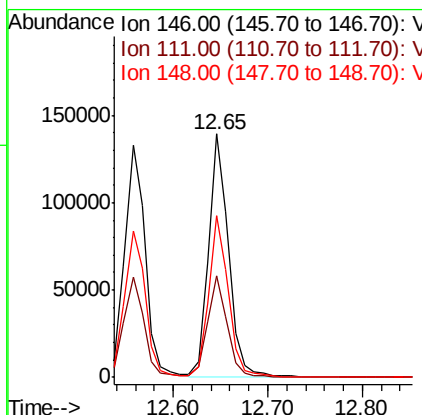
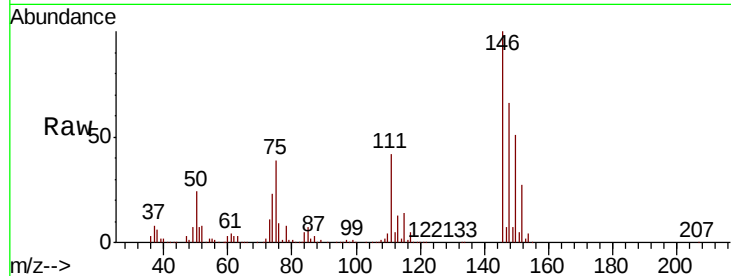




#88
 1,4-Dichlorobenzene
 Concen: 53.84 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF060242.D
 Acq: 10 Sep 2018 18:37

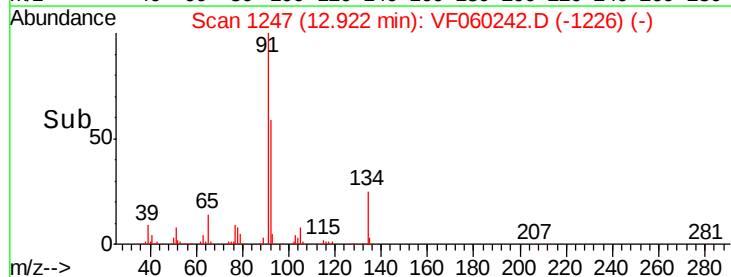
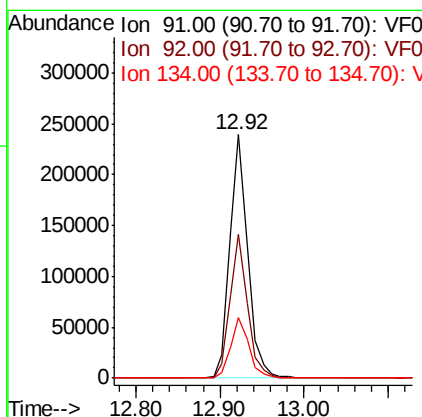
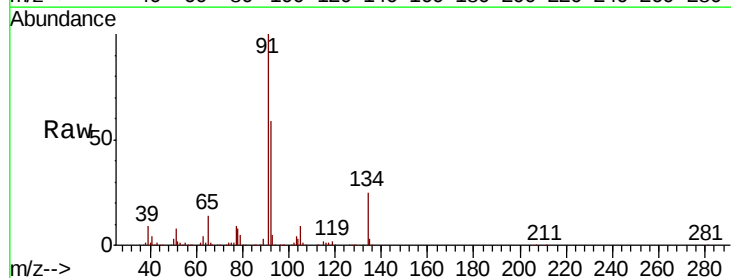
Instrument :
 MSVOA_F
 ClientSampled :
 J4803-17MS

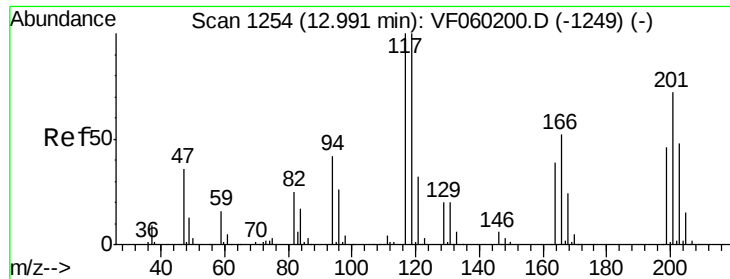
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	19.7	59.1
148	66.3	33.1	99.5



#89
 n-Butylbenzene
 Concen: 45.51 ug/l
 RT: 12.92 min Scan# 1247
 Delta R.T. 0.01 min
 Lab File: VF060242.D
 Acq: 10 Sep 2018 18:37

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.1	28.4	85.3
134	25.0	11.1	33.3





#90

Hexachloroethane

Concen: 54.54 ug/l

RT: 13.00 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

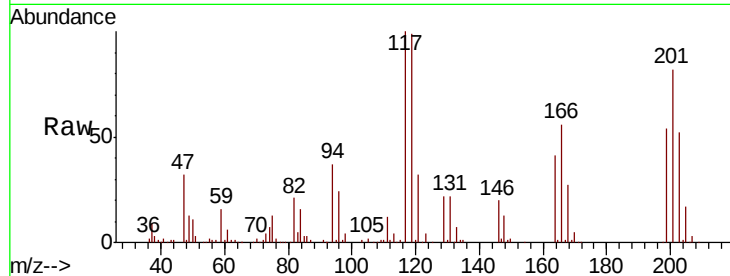
J4803-17MS

Tot Ion:117 Resp: 88723

Ion Ratio Lower Upper

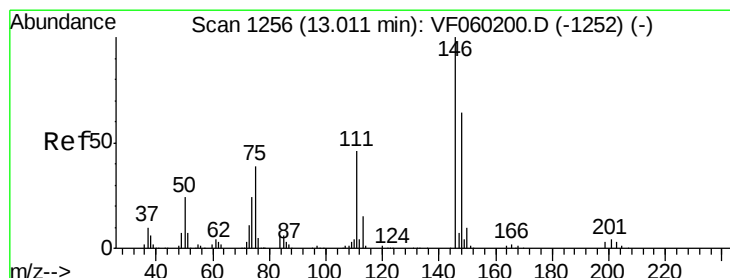
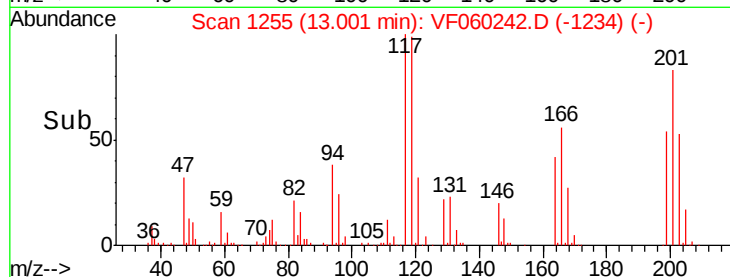
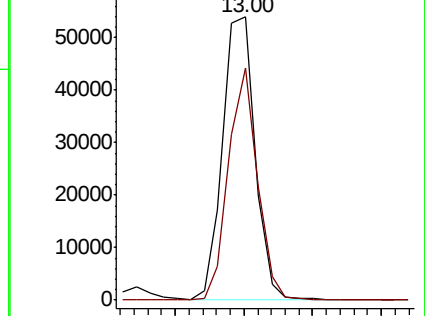
117 100

201 82.1 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: 54.50 ug/l

RT: 13.02 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

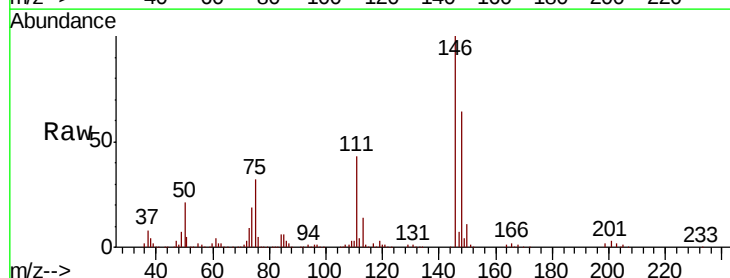
Tgt Ion:146 Resp: 201628

Ion Ratio Lower Upper

146 100

111 43.3 23.0 69.0

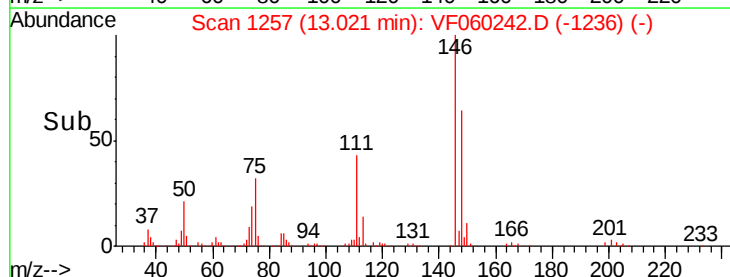
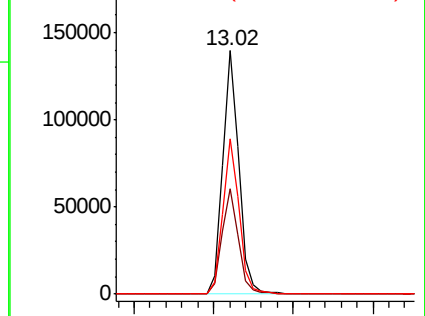
148 64.0 32.2 96.6

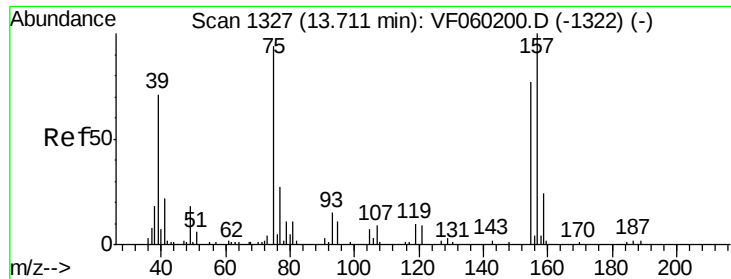


Abundance Ion 146.00 (145.70 to 146.70): V

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: 60.71 ug/l

RT: 13.71 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MS

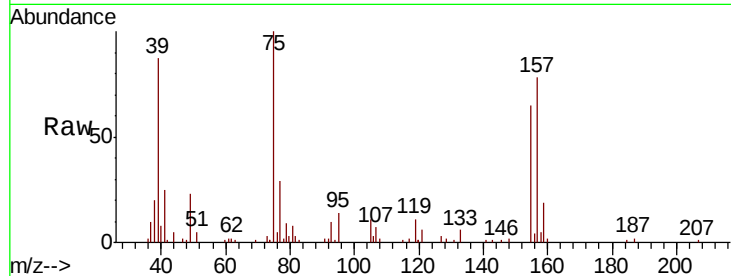
Tot Ion: 75 Resp: 18970

Ion Ratio Lower Upper

75 100

155 64.9 40.8 122.5

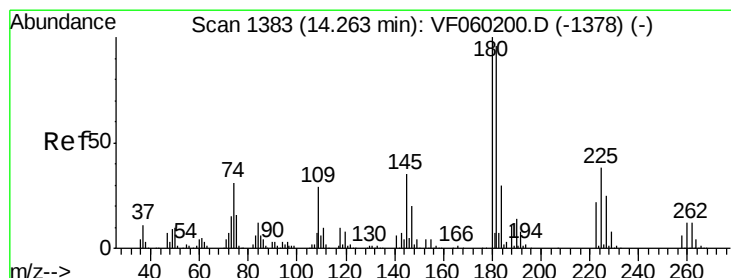
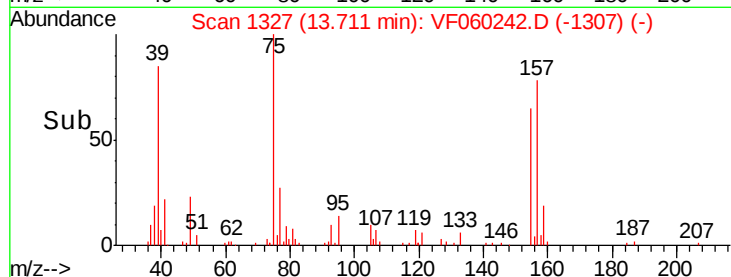
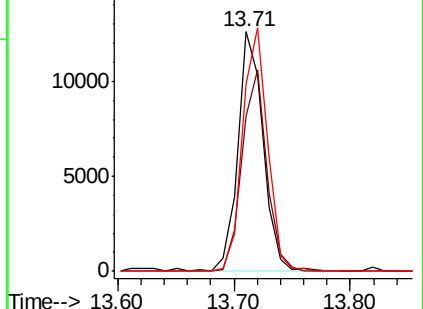
157 78.3 53.3 159.9



Abundance Ion 75.00 (74.70 to 75.70): VF060200.D (-1322) (-)

Ion 155.00 (154.70 to 155.70): VF060200.D (-1322) (-)

Ion 157.00 (156.70 to 157.70): VF060200.D (-1322) (-)



#93

1,2,4-Trichlorobenzene

Concen: 43.76 ug/l

RT: 14.27 min Scan# 1384

Delta R.T. 0.01 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

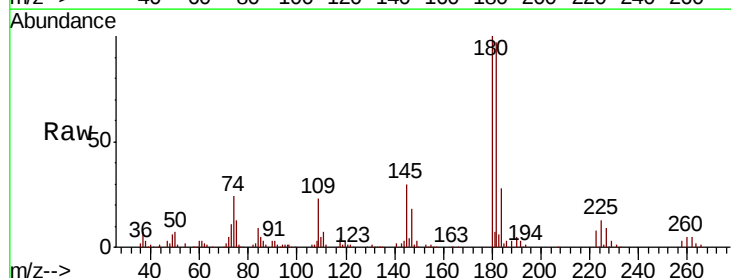
Tgt Ion:180 Resp: 125130

Ion Ratio Lower Upper

180 100

182 96.7 48.2 144.6

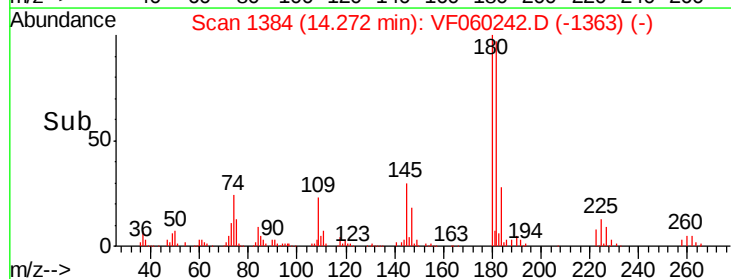
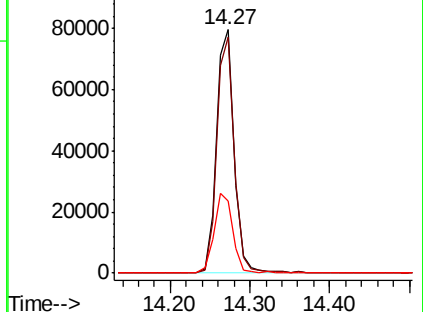
145 29.8 17.4 52.2

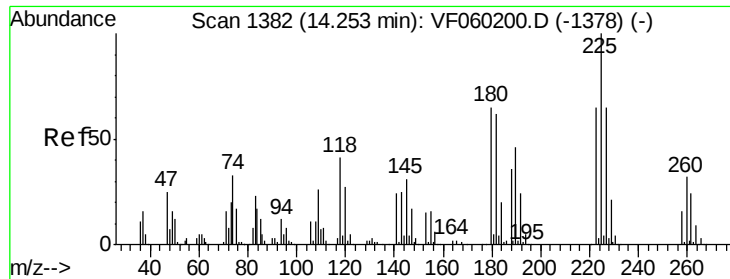


Abundance Ion 180.00 (179.70 to 180.70): VF060200.D (-1378) (-)

Ion 182.00 (181.70 to 182.70): VF060200.D (-1378) (-)

Ion 145.00 (144.70 to 145.70): VF060200.D (-1378) (-)





#94

Hexachlorobutadiene

Concen: 32.37 ug/l

RT: 14.25 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MS

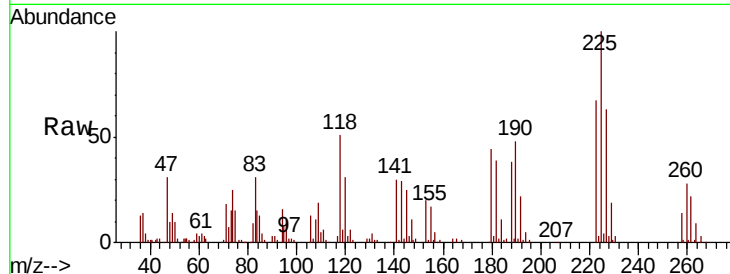
Tot Ion:225 Resp: 65971

Ion Ratio Lower Upper

225 100

223 66.5 32.3 96.8

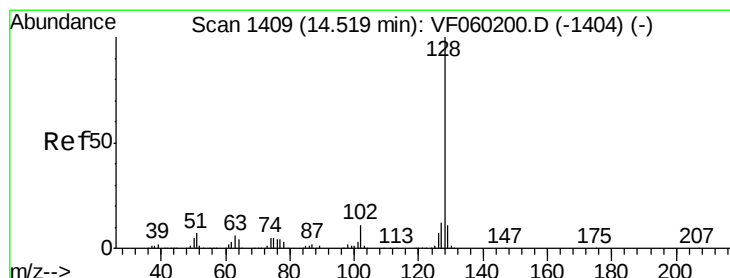
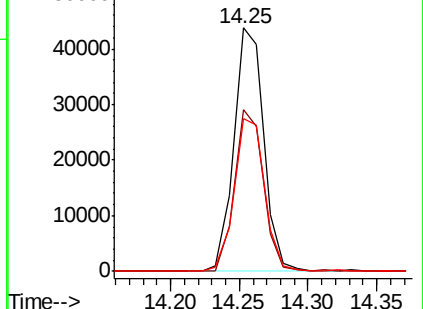
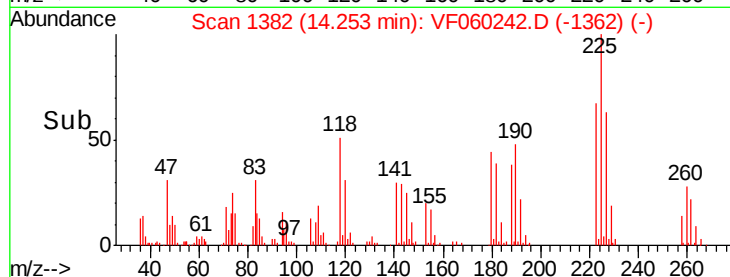
227 62.5 32.4 97.0



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: 35.58 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. 0.00 min

Lab File: VF060242.D

Acq: 10 Sep 2018 18:37

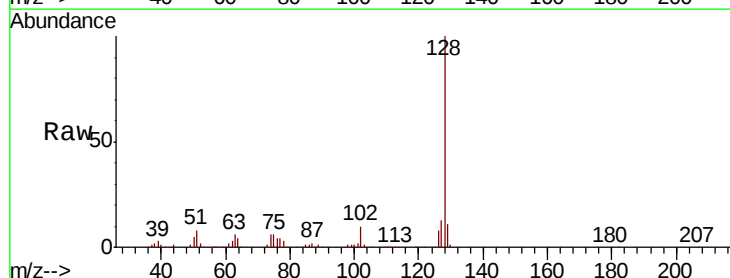
Tgt Ion:128 Resp: 155269

Ion Ratio Lower Upper

128 100

127 13.1 9.9 14.9

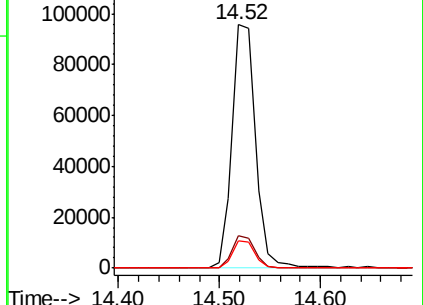
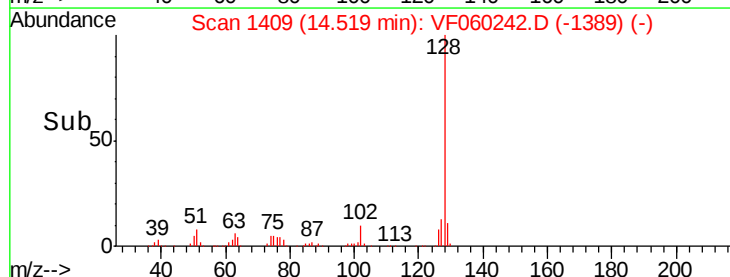
129 11.1 8.9 13.3

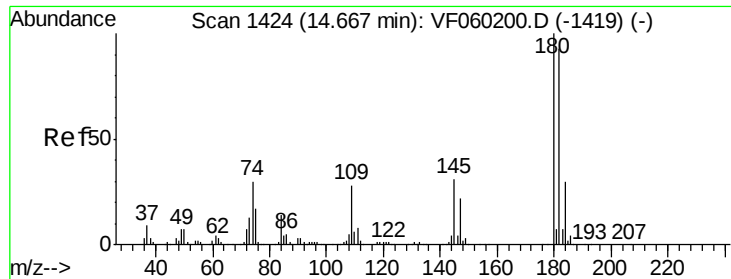


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 41.76 ug/l
 RT: 14.67 min Scan# 1424
 Delta R.T. -0.00 min
 Lab File: VF060242.D
 Acq: 10 Sep 2018 18:37

Instrument :
 MSVOA_F
 ClientSampleId :
 J4803-17MS

Tot Ion:180 Resp: 112082
 Ion Ratio Lower Upper
 180 100
 182 94.4 46.6 139.7
 145 34.5 15.7 47.0

