

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082218\
 Data File : VF060040.D
 Acq On : 22 Aug 2018 15:18
 Operator : VA/AP
 Sample : J4583-01
 Misc : 7.90g/5mL/MSVOA F/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TOD1-SB-01-51.5-52

Quant Time: Aug 23 04:25:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	888	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	1081	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	849	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.65	152	156	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	61	5.02	ug/l	-0.01
Spiked Amount			Recovery	=	10.04%	
35) Dibromofluoromethane	4.30	113	135	15.90	ug/l	0.00
Spiked Amount			Recovery	=	31.80%	
50) Toluene-d8	7.73	98	1157	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
62) 4-Bromofluorobenzene	11.49	95	132	10.35	ug/l	-0.02
Spiked Amount			Recovery	=	20.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.08	50	259	32.86	ug/l #	40
4) Vinyl Chloride	0.95	62	83	11.43	ug/l #	40
5) Bromomethane	1.19	94	60	10.88	ug/l #	1
6) Chloroethane	1.40	64	812	283.79	ug/l #	45
10) Methyl Iodide	1.95	142	79	7.80	ug/l #	40
12) 1,1-Dichloroethene	1.75	96	86	15.23	ug/l #	1
14) Allyl chloride	2.17	41	224	22.34	ug/l #	1
15) Acrylonitrile	3.04	53	79	61.92	ug/l #	11
16) Acetone	2.33	43	62	19.41	ug/l #	63
18) Methyl Acetate	2.48	43	66	8.70	ug/l #	60
23) Vinyl Acetate	3.35	43	126	10.59	ug/l #	80
24) 1,1-Dichloroethane	2.94	63	70	5.05	ug/l #	89
25) 2-Butanone	4.36	43	72	17.35	ug/l #	58
27) cis-1,2-Dichloroethene	3.48	96	64	7.15	ug/l #	1
29) Tetrahydrofuran	4.29	42	105	67.03	ug/l #	37
37) Ethyl Acetate	4.27	43	65	10.70	ug/l #	1
43) Isopropyl Acetate	7.10	43	65	8.50	ug/l #	45
48) Methyl methacrylate	6.90	41	74	14.62	ug/l #	15
51) 4-Methyl-2-Pentanone	8.41	43	90	13.63	ug/l #	39
54) cis-1,3-Dichloropropene	7.56	75	66	5.50	ug/l #	24
56) Ethyl methacrylate	8.72	69	63	8.69	ug/l #	31
57) 1,3-Dichloropropane	9.01	76	63	5.99	ug/l #	1
59) 2-Hexanone	9.65	43	60	11.23	ug/l #	30
67) Ethyl Benzene	9.96	91	89	3.22	ug/l #	45
70) Styrene	11.00	104	69	4.15	ug/l #	29
74) N-amyl acetate	11.47	43	643	220.30	ug/l #	27
75) 1,1,2,2-Tetrachloroethane	11.78	83	184	89.72	ug/l #	26
77) Bromobenzene	11.56	156	61	23.89	ug/l #	1
78) n-propylbenzene	11.70	91	83	7.16	ug/l #	54
79) 2-Chlorotoluene	11.80	91	171	25.09	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.91	105	89	10.88	ug/l #	29
82) 4-Chlorotoluene	12.04	91	75	10.14	ug/l #	41
83) tert-Butylbenzene	12.21	119	73	9.15	ug/l #	32
84) 1,2,4-Trimethylbenzene	12.30	105	86	9.89	ug/l #	30

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082218\
Data File : VF060040.D
Acq On : 22 Aug 2018 15:18
Operator : VA/AP
Sample : J4583-01
Misc : 7.90g/5mL/MSVOA F/SOIL
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
TOD1-SB-01-51.5-52

Quant Time: Aug 23 04:25:51 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration

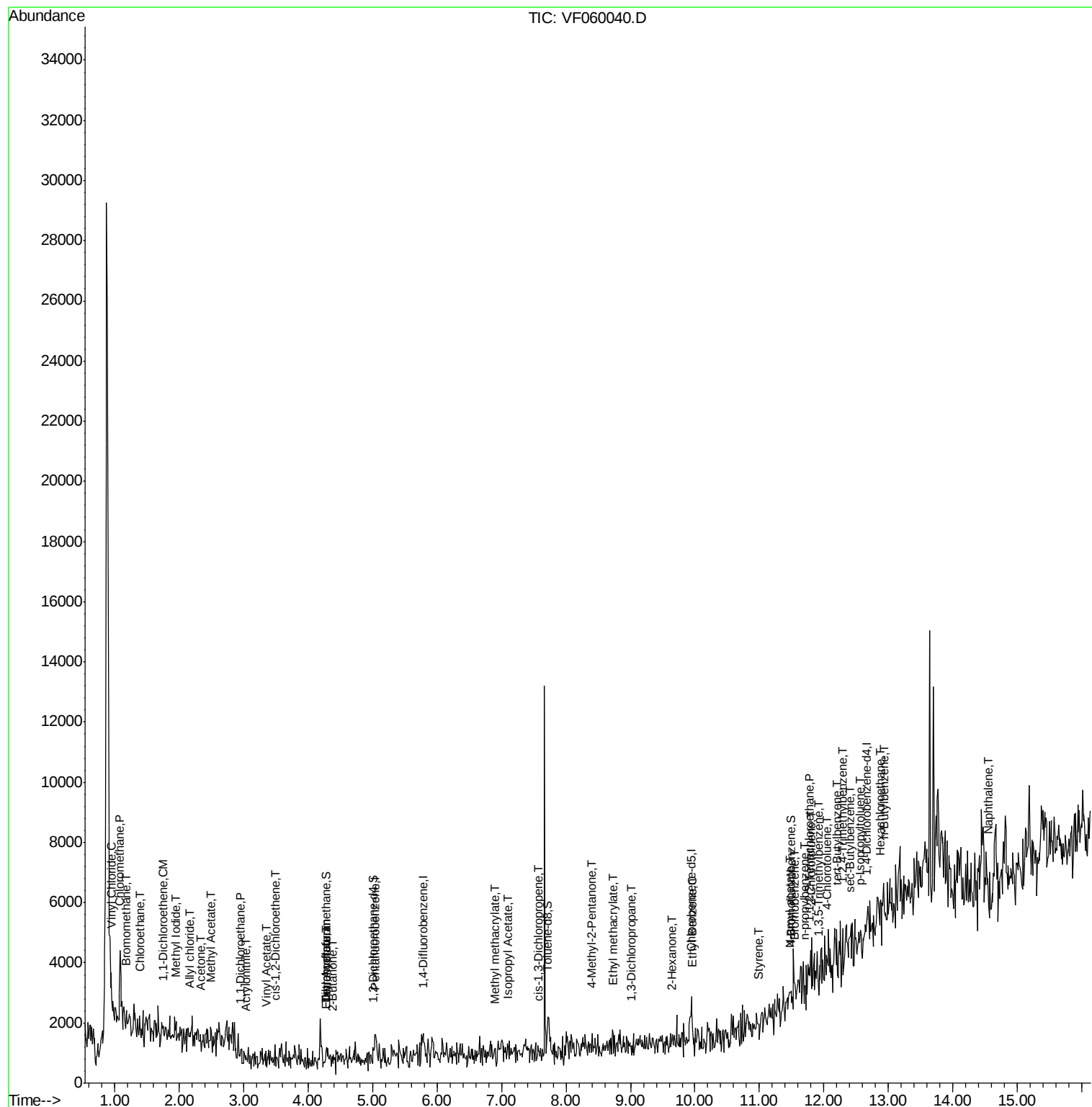
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	12.39	105	60	5.40	ug/l #	58
86) p-Isopropyltoluene	12.57	119	88	9.55	ug/l #	49
89) n-Butylbenzene	12.92	91	202	22.56	ug/l #	30
90) Hexachloroethane	12.89	117	63	30.42	ug/l #	11
95) Naphthalene	14.56	128	157	28.11	ug/l #	69

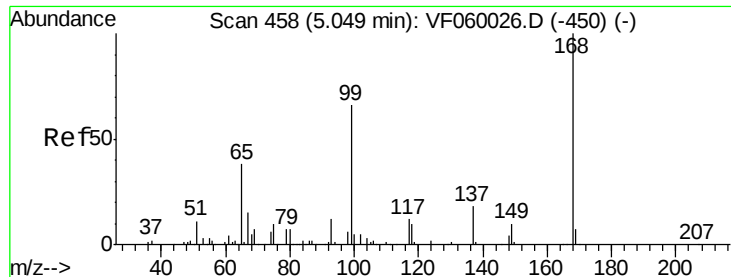
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082218\
Data File : VF060040.D
Acq On : 22 Aug 2018 15:18
Operator : VA/AP
Sample : J4583-01
Misc : 7.90q/5mL/MSVOA F/SOIL
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
TOD1-SB-01-51.5-52

Quant Time: Aug 23 04:25:51 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

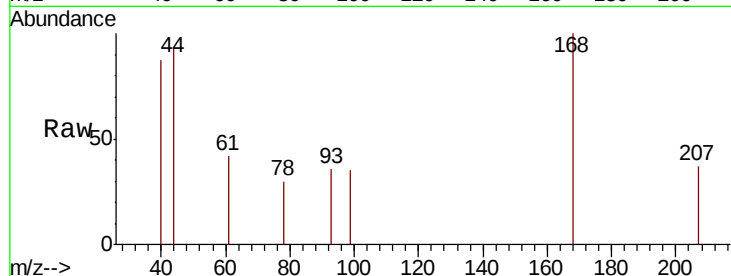
TOD1-SB-01-51.5-52

Tot Ion:168 Resp: 888

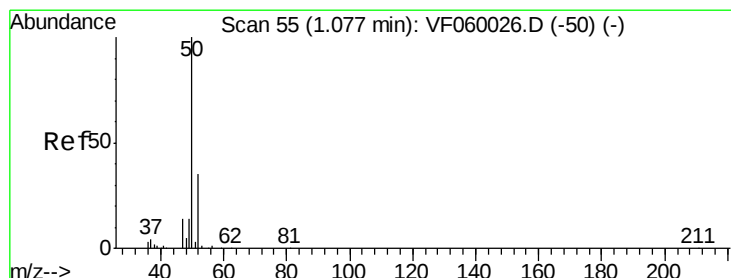
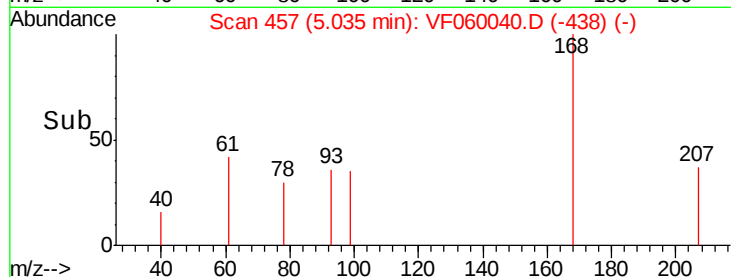
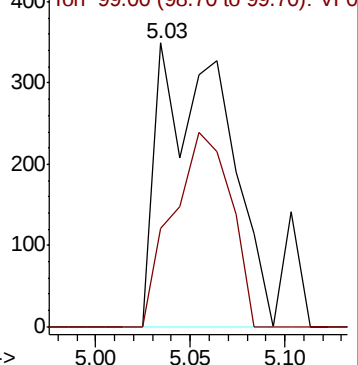
Ion Ratio Lower Upper

168 100

99 34.7 52.6 79.0#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#3

Chloromethane

Concen: 32.86 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF060040.D

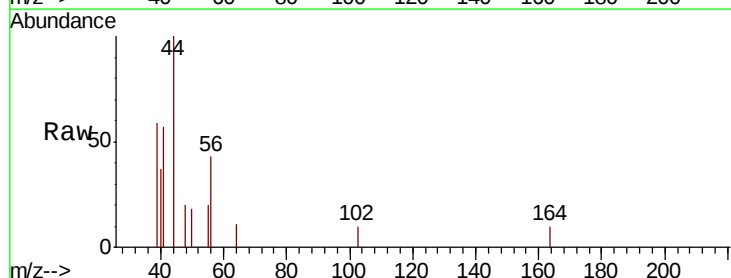
Acq: 22 Aug 2018 15:18

Tgt Ion: 50 Resp: 259

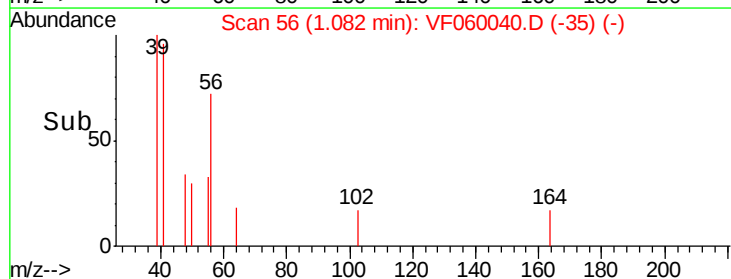
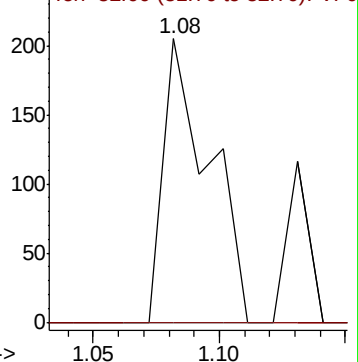
Ion Ratio Lower Upper

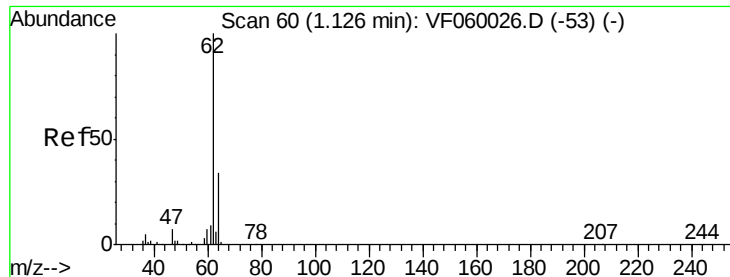
50 100

52 0.0 27.6 41.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0





#4

Vinyl Chloride

Concen: 11.43 ug/l

RT: 0.95 min Scan# 43

Delta R.T. -0.17 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

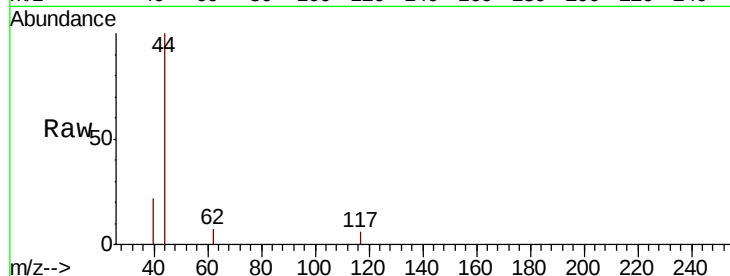
TOD1-SB-01-51.5-52

Tot Ion: 62 Resp: 83

Ion Ratio Lower Upper

62 100

64 0.0 27.4 41.2#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

0.95

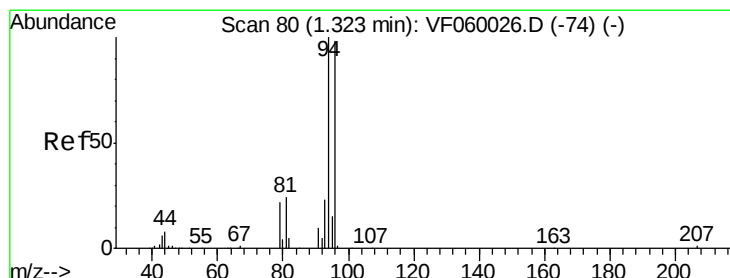
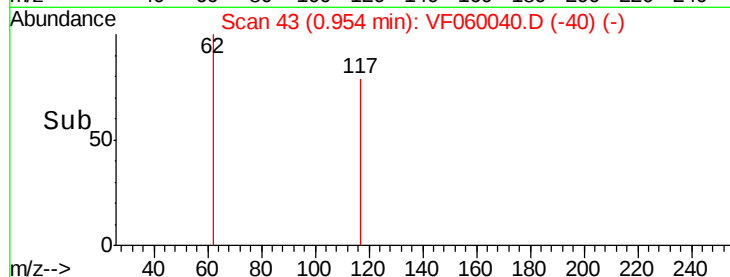
150

100

50

0

Time-->



#5

Bromomethane

Concen: 10.88 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.13 min

Lab File: VF060040.D

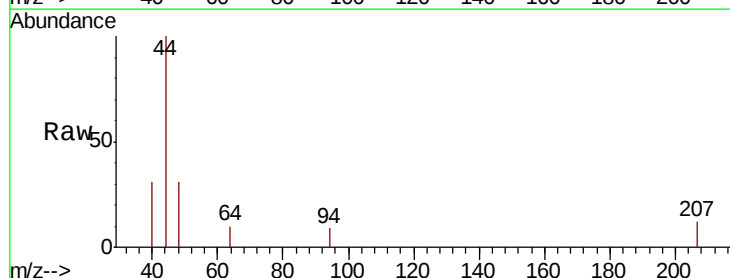
Acq: 22 Aug 2018 15:18

Tgt Ion: 94 Resp: 60

Ion Ratio Lower Upper

94 100

96 0.0 78.6 118.0#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.19

120

100

80

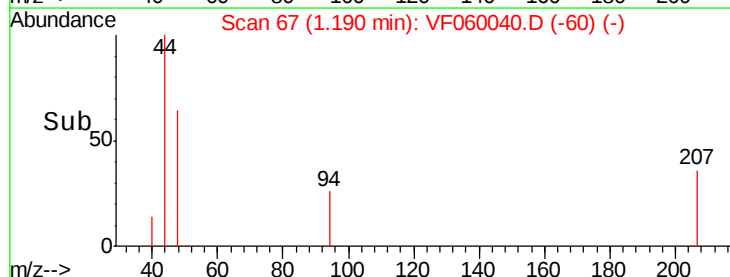
60

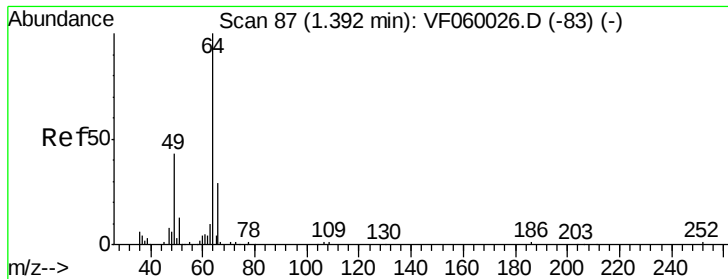
40

20

0

Time-->





#6

Chloroethane

Concen: 283.79 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.00 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

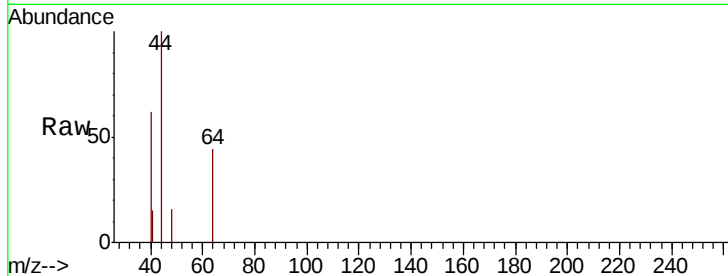
TOD1-SB-01-51.5-52

Tot Ion: 64 Resp: 812

Ion Ratio Lower Upper

64 100

66 0.0 24.1 36.1#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.40

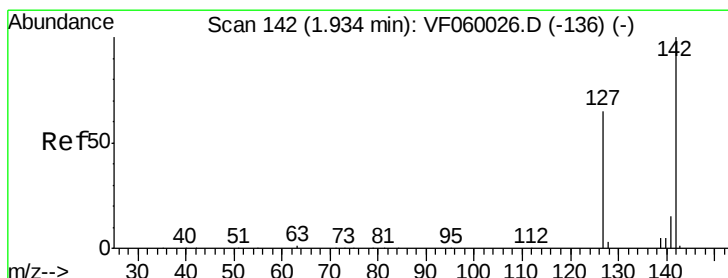
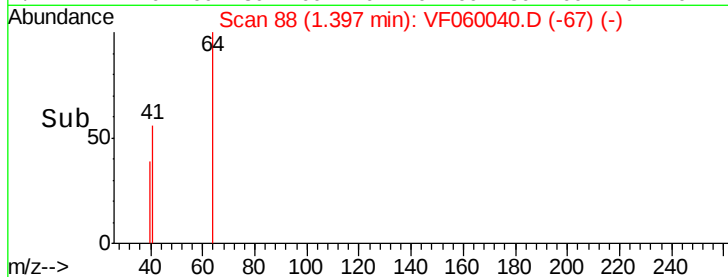
300

200

100

0

Time--> 1.35 1.40 1.45



#10

Methyl Iodide

Concen: 7.80 ug/l

RT: 1.95 min Scan# 144

Delta R.T. 0.01 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

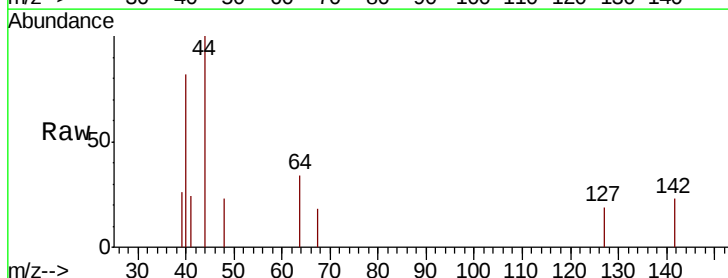
Tgt Ion:142 Resp: 79

Ion Ratio Lower Upper

142 100

127 85.7 51.8 77.6#

141 100.0 11.9 17.9#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

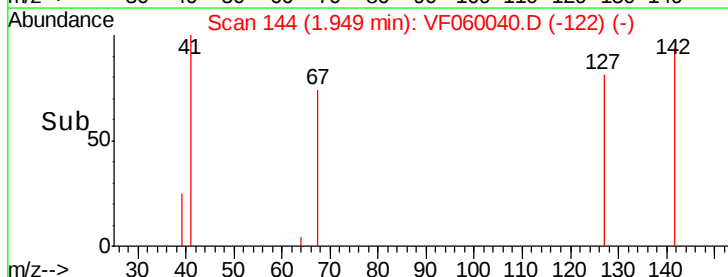
150

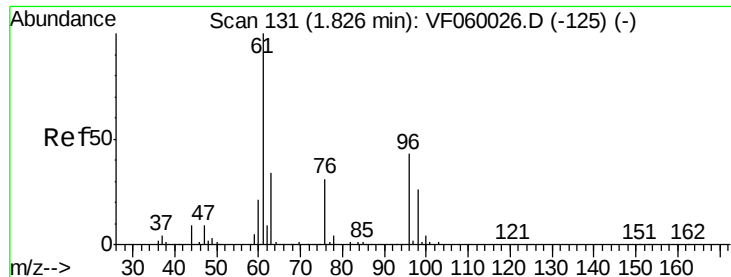
100

50

0

Time--> 1.92 1.94 1.96 1.98





#12

1,1-Dichloroethene

Concen: 15.23 ug/l

RT: 1.75 min Scan# 124

Delta R.T. -0.07 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

TOD1-SB-01-51.5-52

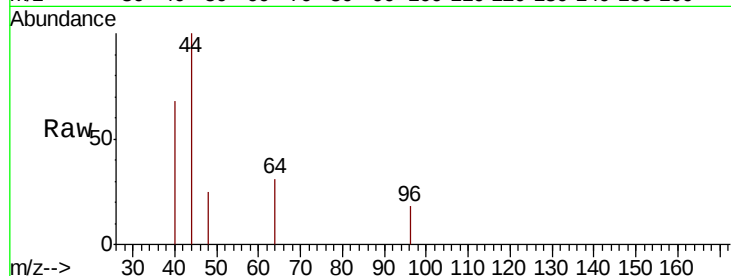
Tot Ion: 96 Resp: 86

Ion Ratio Lower Upper

96 100

61 0.0 185.0 277.6#

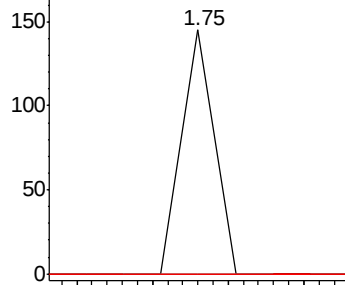
98 0.0 47.8 71.8#



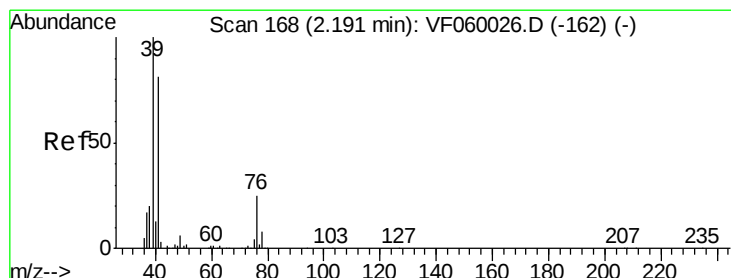
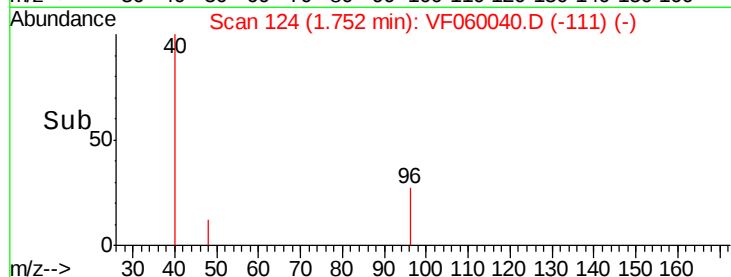
Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



Time-->



#14

Allyl chloride

Concen: 22.34 ug/l

RT: 2.17 min Scan# 166

Delta R.T. -0.02 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

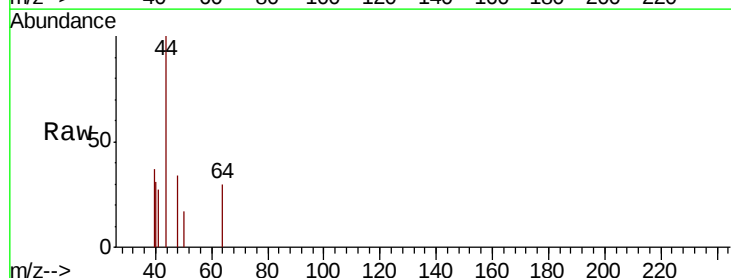
Tgt Ion: 41 Resp: 224

Ion Ratio Lower Upper

41 100

39 0.0 99.3 148.9#

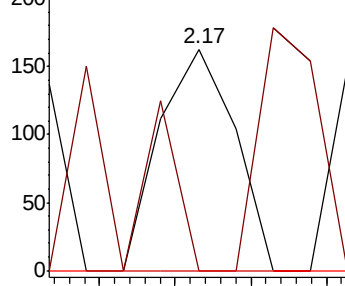
76 0.0 24.3 36.5#



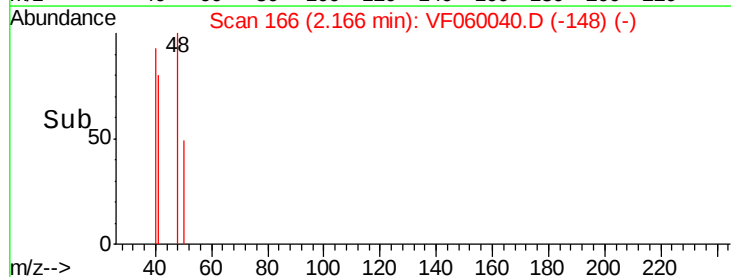
Abundance Ion 41.00 (40.70 to 41.70): VF0

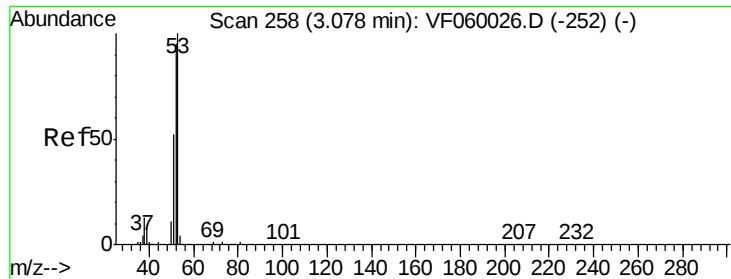
Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0



Time-->





#15

Acrylonitrile

Concen: 61.92 ug/l

RT: 3.04 min Scan# 255

Delta R.T. -0.03 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

TOD1-SB-01-51.5-52

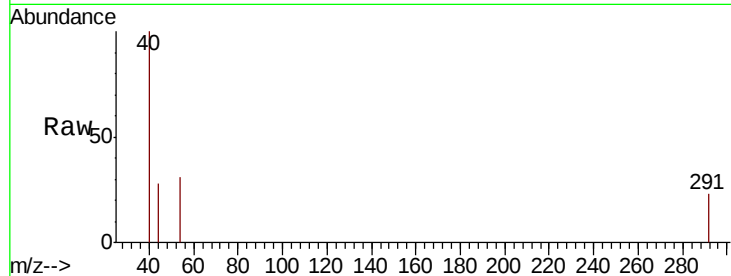
Tot Ion: 53 Resp: 79

Ion Ratio Lower Upper

53 100

52 0.0 75.8 113.8#

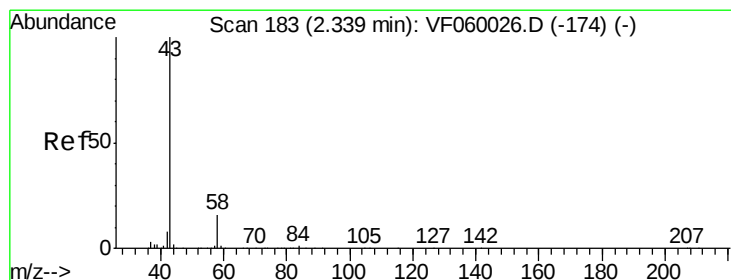
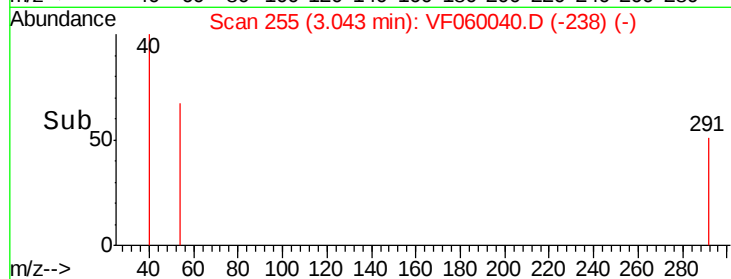
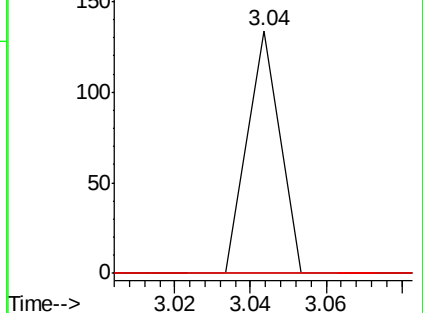
51 0.0 42.1 63.1#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 19.41 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.00 min

Lab File: VF060040.D

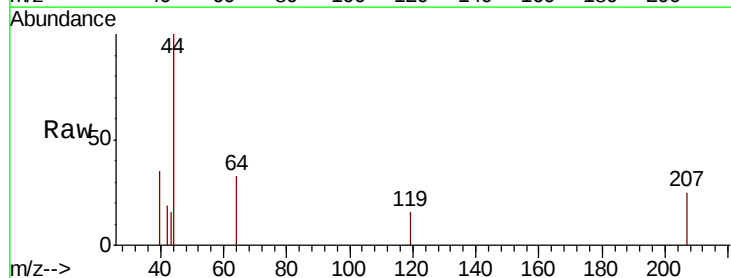
Acq: 22 Aug 2018 15:18

Tgt Ion: 43 Resp: 62

Ion Ratio Lower Upper

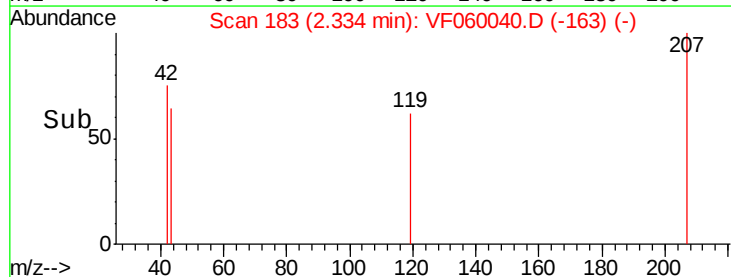
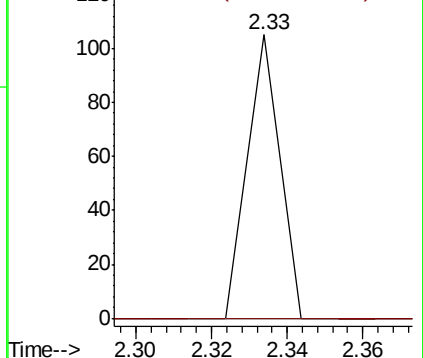
43 100

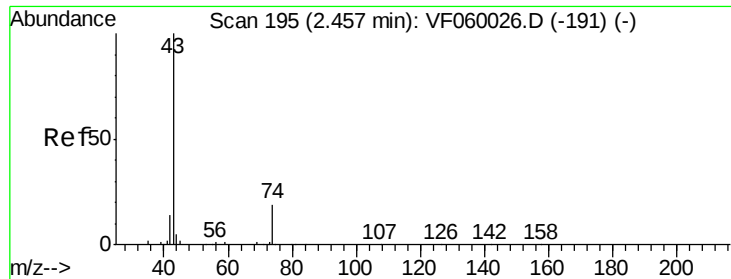
58 0.0 12.6 19.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

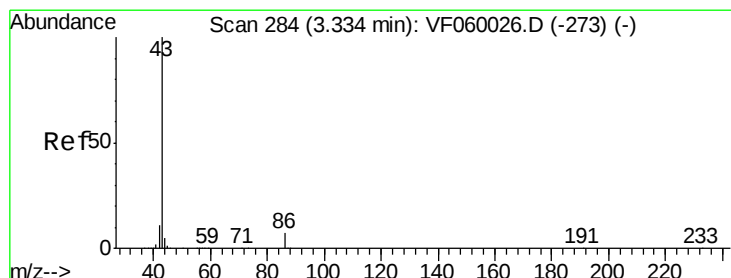
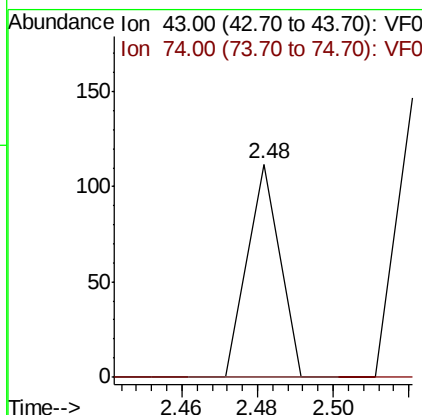
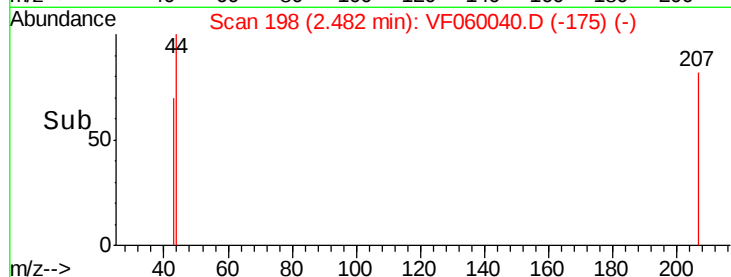
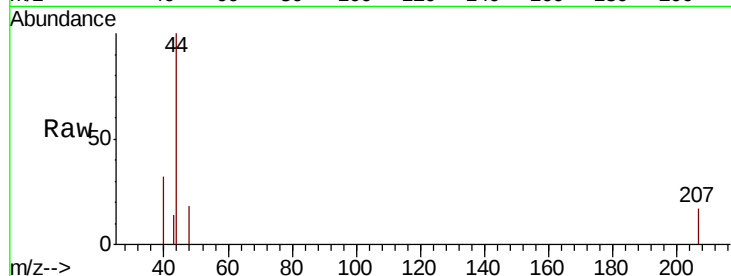




#18
Methyl Acetate
Concen: 8.70 ug/l
RT: 2.48 min Scan# 198
Delta R.T. 0.03 min
Lab File: VF060040.D
Acq: 22 Aug 2018 15:18

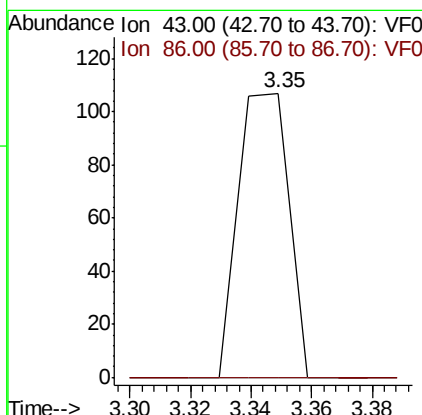
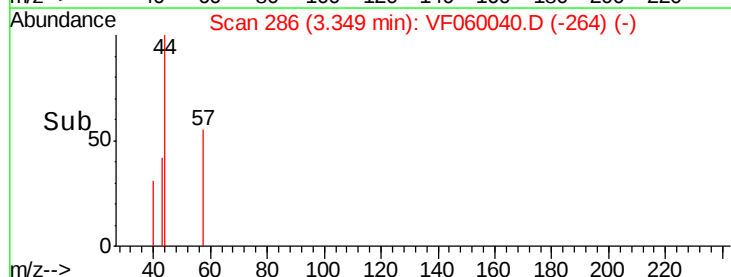
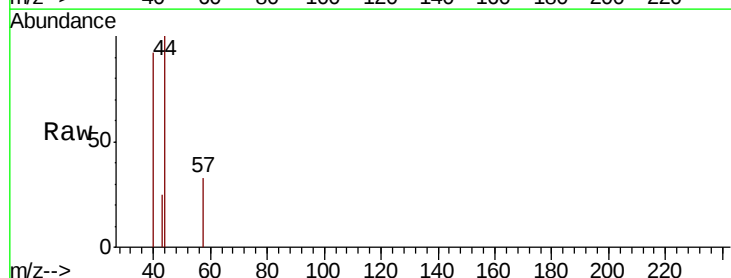
Instrument :
MSVOA_F
ClientSampleId :
TOD1-SB-01-51.5-52

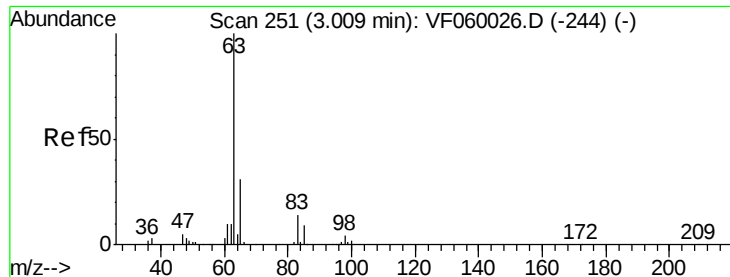
Tot Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
74 0.0 13.8 20.6#



#23
Vinyl Acetate
Concen: 10.59 ug/l
RT: 3.35 min Scan# 286
Delta R.T. 0.01 min
Lab File: VF060040.D
Acq: 22 Aug 2018 15:18

Tgt Ion: 43 Resp: 126
Ion Ratio Lower Upper
43 100
86 0.0 5.6 8.4#





#24

1,1-Dichloroethane

Concen: 5.05 ug/l

RT: 2.94 min Scan# 245

Delta R.T. -0.06 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

TOD1-SB-01-51.5-52

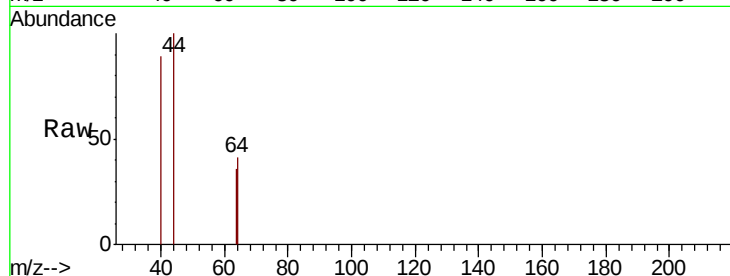
Tot Ion: 63 Resp: 70

Ion Ratio Lower Upper

63 100

98 0.0 2.1 6.5#

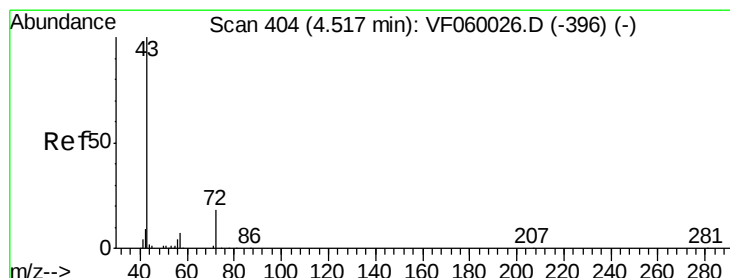
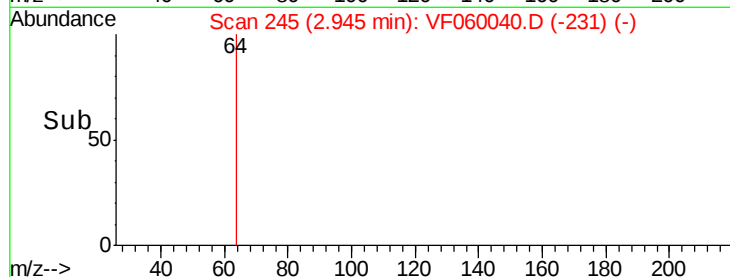
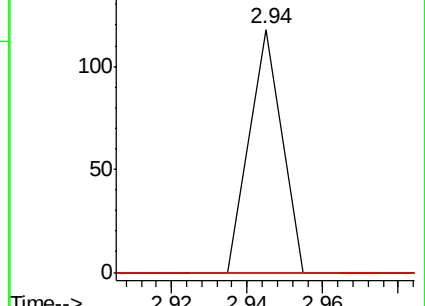
100 0.0 1.1 3.3#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#25

2-Butanone

Concen: 17.35 ug/l

RT: 4.36 min Scan# 389

Delta R.T. -0.15 min

Lab File: VF060040.D

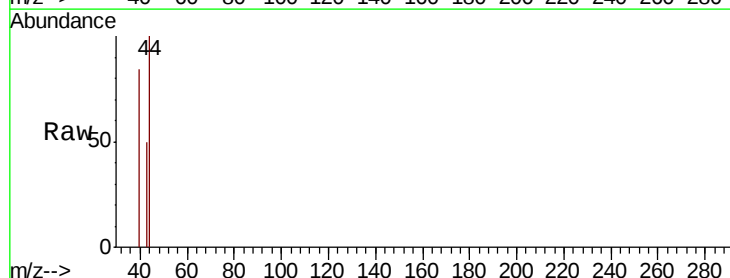
Acq: 22 Aug 2018 15:18

Tgt Ion: 43 Resp: 72

Ion Ratio Lower Upper

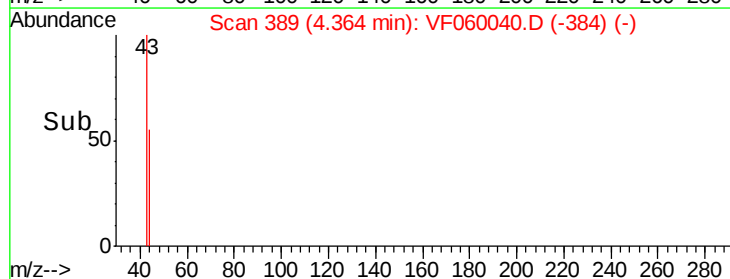
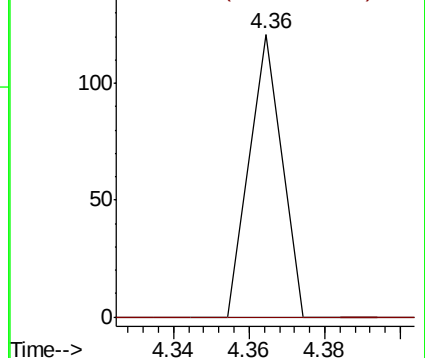
43 100

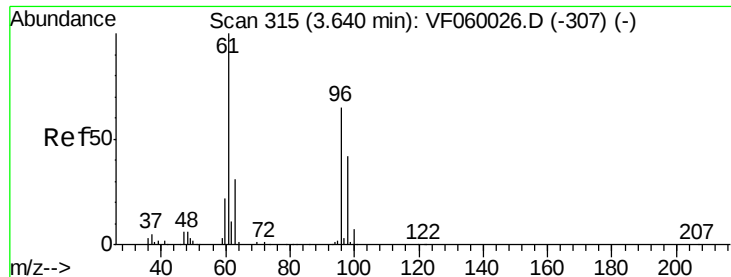
72 0.0 15.0 22.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#27

cis-1,2-Dichloroethene

Concen: 7.15 ug/l

RT: 3.48 min Scan# 299

Delta R.T. -0.16 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

TOD1-SB-01-51.5-52

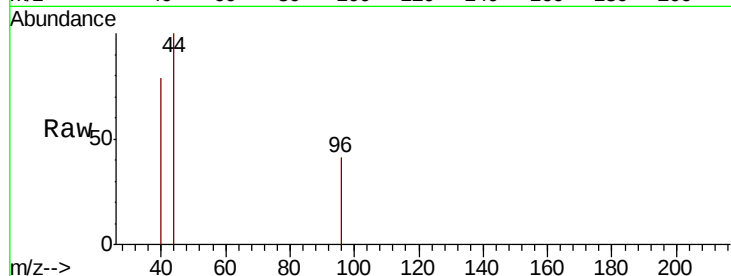
Tot Ion: 96 Resp: 64

Ion Ratio Lower Upper

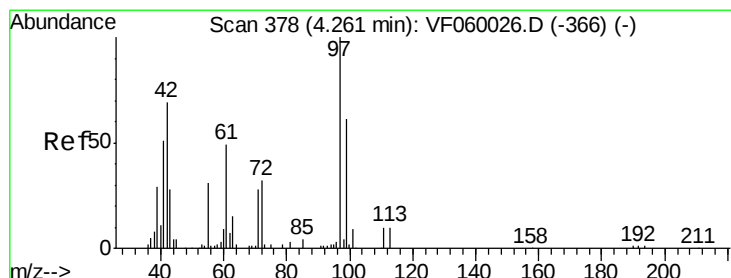
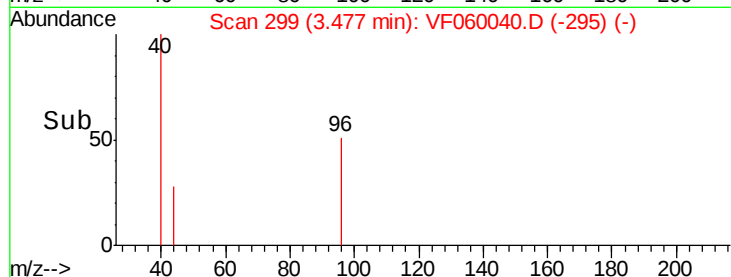
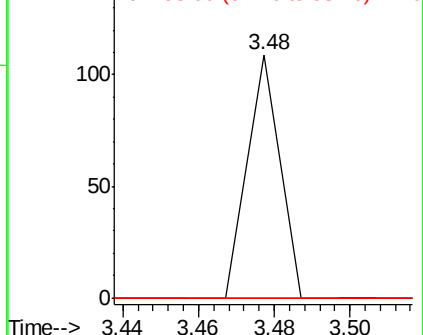
96 100

61 0.0 0.0 307.6

98 0.0 0.0 128.4



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



#29

Tetrahydrofuran

Concen: 67.03 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.02 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

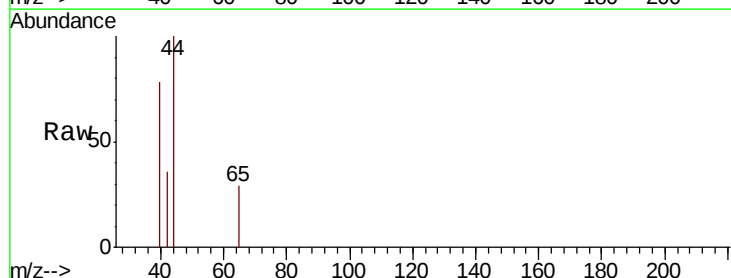
Tgt Ion: 42 Resp: 105

Ion Ratio Lower Upper

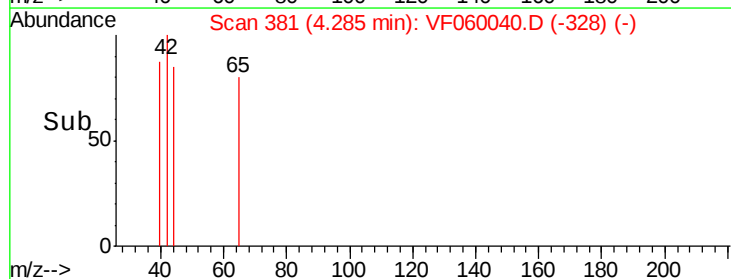
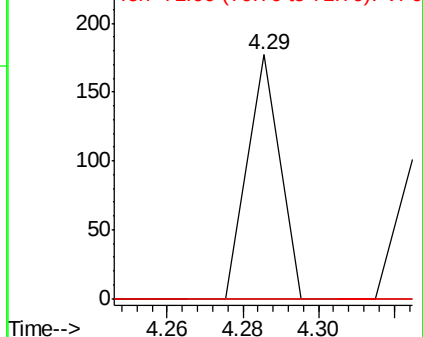
42 100

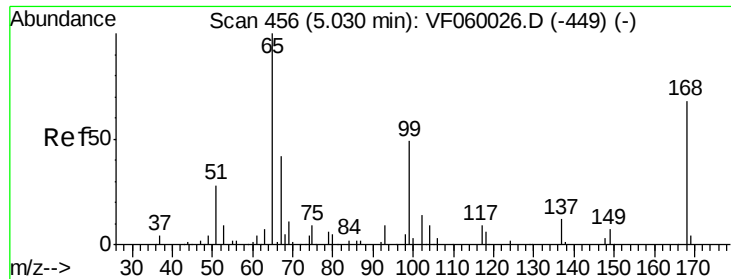
72 0.0 31.4 47.2#

71 0.0 29.7 44.5#



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





#33

1,2-Dichloroethane-d4

Concen: 5.02 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

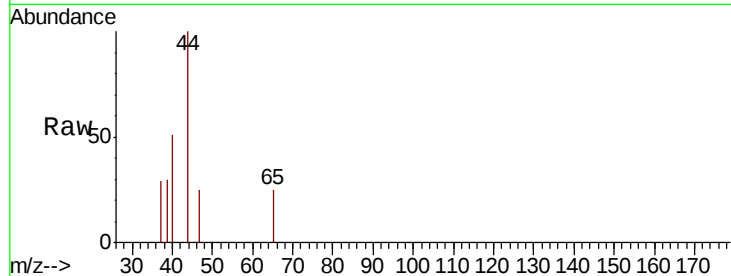
TOD1-SB-01-51.5-52

Tot Ion: 65 Resp: 61

Ion Ratio Lower Upper

65 100

67 0.0 0.0 92.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

150

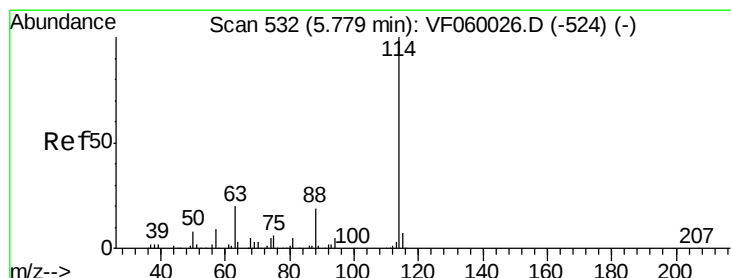
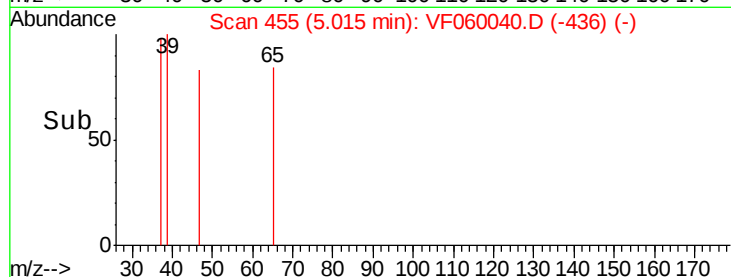
100

50

0

4.98 5.00 5.02 5.04

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 532

Delta R.T. -0.00 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

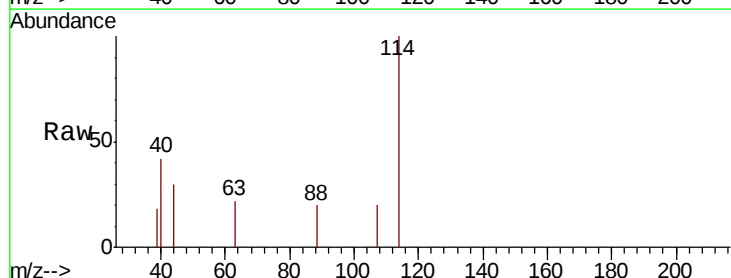
Tgt Ion: 114 Resp: 1081

Ion Ratio Lower Upper

114 100

63 22.1 0.0 40.4

88 19.9 0.0 38.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

800

600

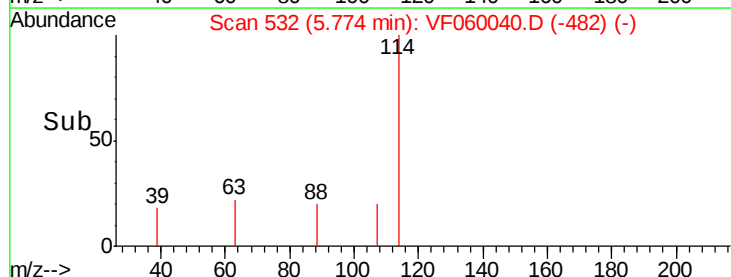
400

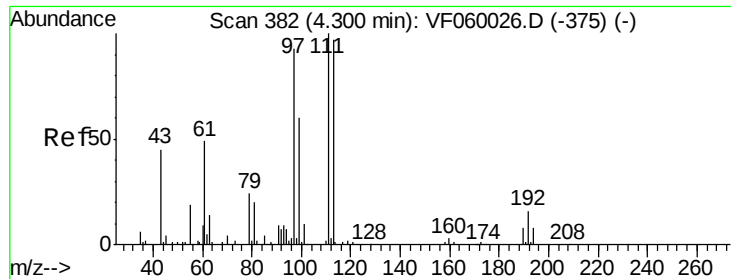
200

0

5.70 5.75 5.80 5.85

Time-->





#35

Dibromofluoromethane

Concen: 15.90 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

TOD1-SB-01-51.5-52

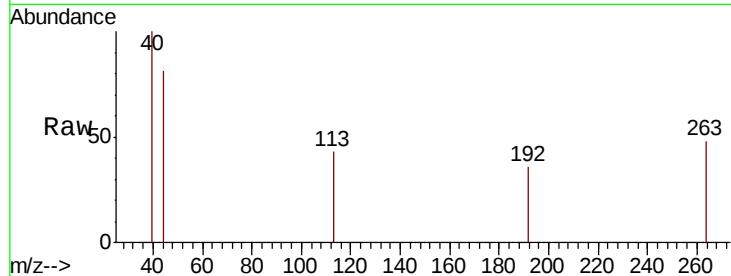
Tot Ion:113 Resp: 135

Ion Ratio Lower Upper

113 100

111 0.0 82.7 124.1#

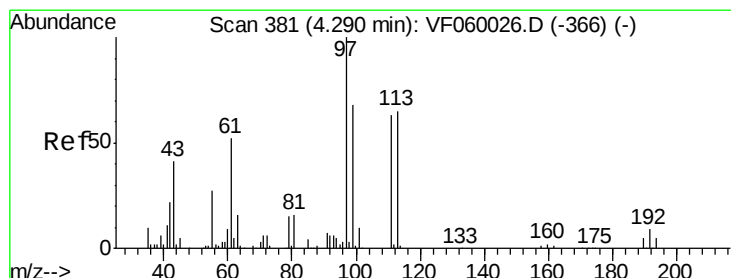
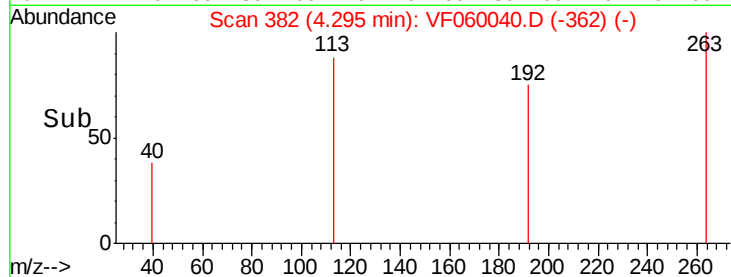
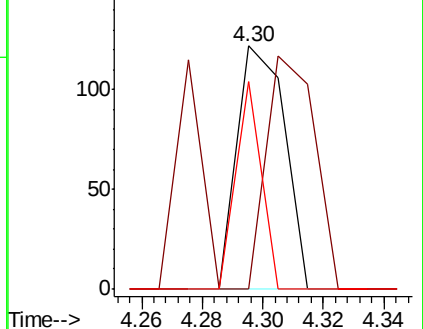
192 85.2 13.0 19.4#



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



#37

Ethyl Acetate

Concen: 10.70 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.02 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

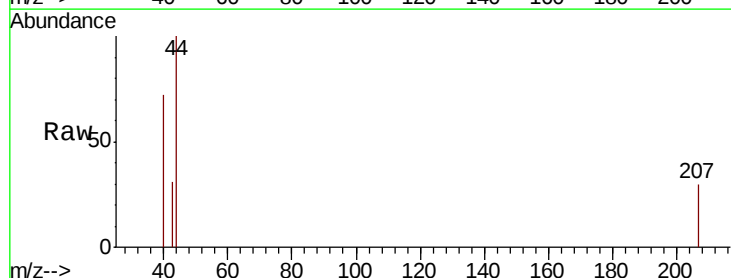
Tgt Ion: 43 Resp: 65

Ion Ratio Lower Upper

43 100

61 0.0 101.5 152.3#

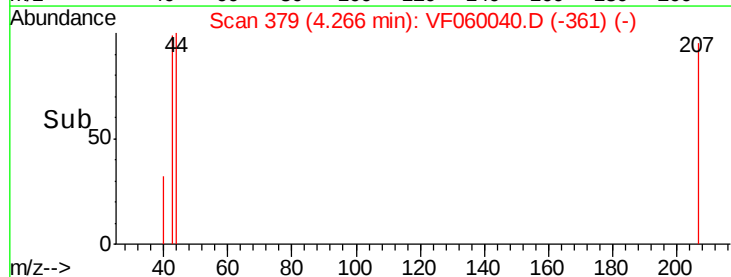
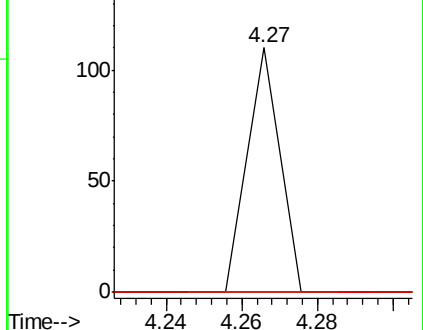
70 0.0 6.4 9.6#

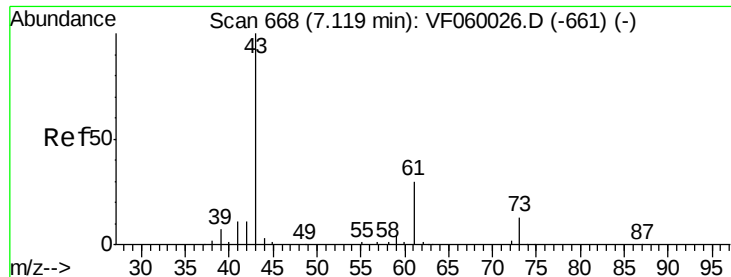


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0





#43

Isopropyl Acetate

Concen: 8.50 ug/l

RT: 7.10 min Scan# 667

Delta R.T. -0.01 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

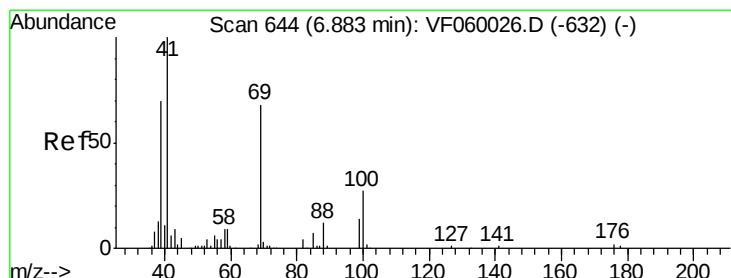
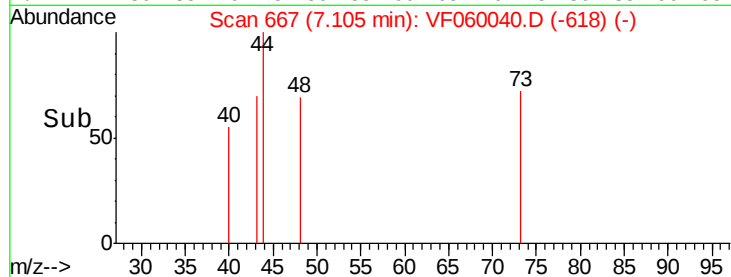
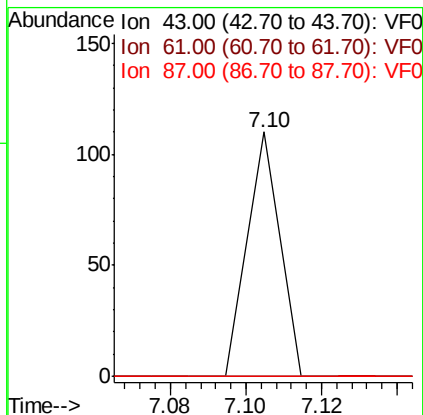
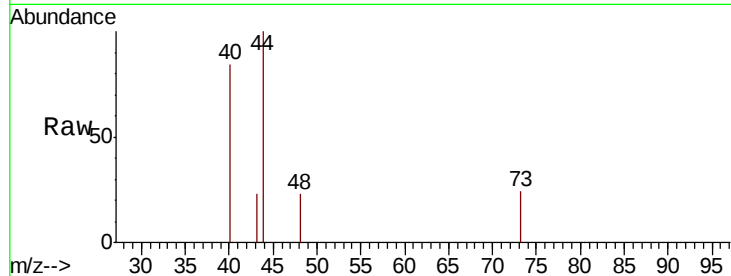
Instrument :

MSVOA_F

ClientSampleId :

TOD1-SB-01-51.5-52

Tot Ion:	43	Resp:	65
Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.8	35.6#
87	0.0	0.2	0.4#



#48

Methyl methacrylate

Concen: 14.62 ug/l

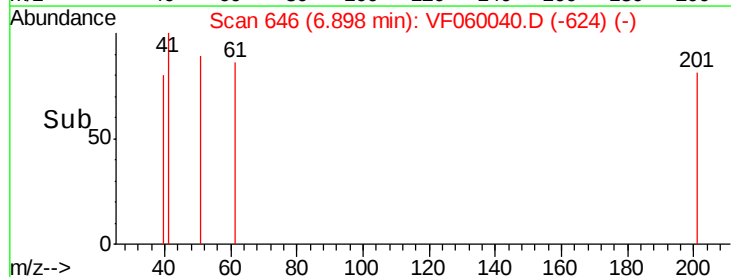
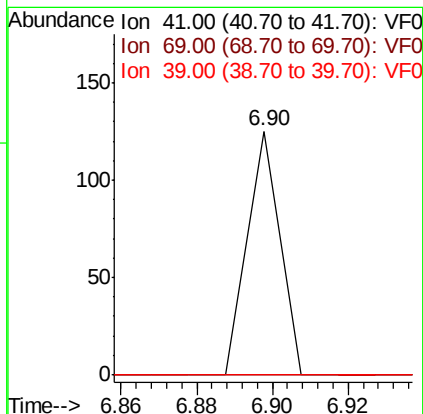
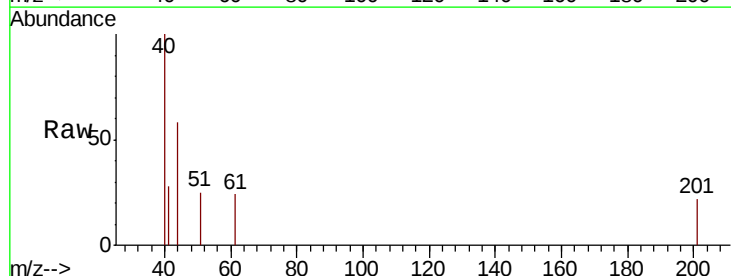
RT: 6.90 min Scan# 646

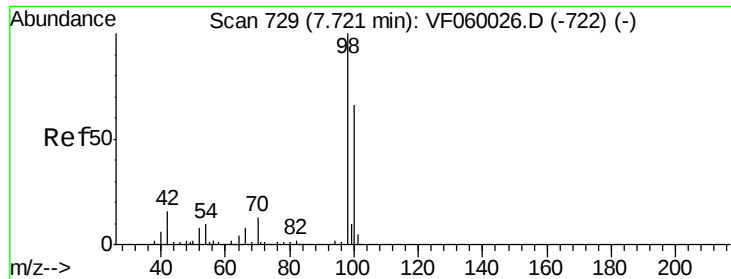
Delta R.T. 0.01 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

Tgt Ion:	41	Resp:	74
Ion	Ratio	Lower	Upper
41	100		
69	0.0	54.6	81.8#
39	0.0	56.5	84.7#





#50

Toluene-d8

Concen: 47.99 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.00 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

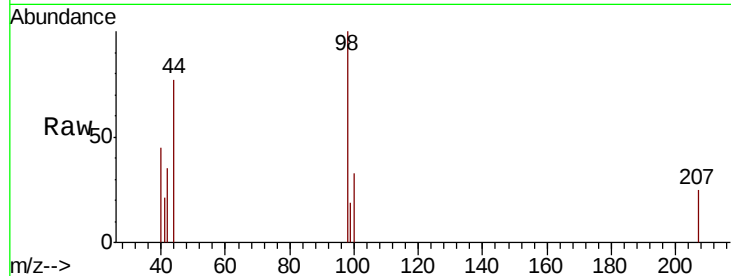
TOD1-SB-01-51.5-52

Tot Ion: 98 Resp: 1157

Ion Ratio Lower Upper

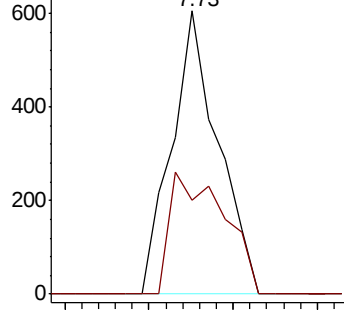
98 100

100 33.2 53.2 79.8#

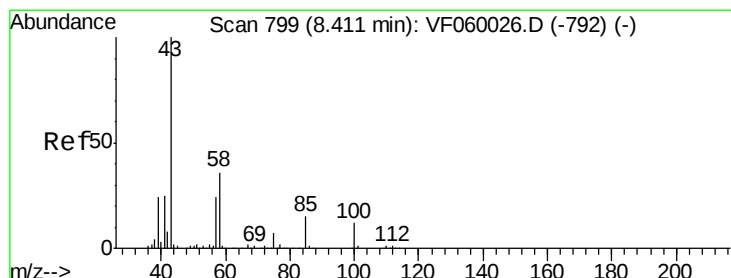
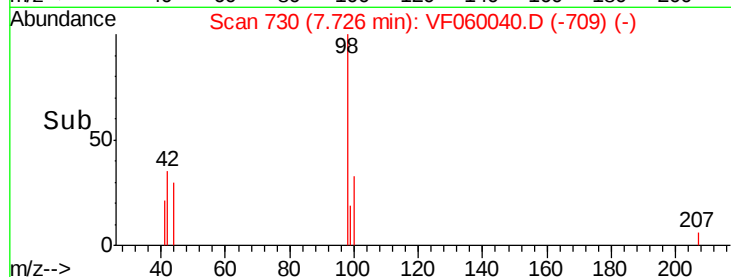


Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->



#51

4-Methyl-2-Pentanone

Concen: 13.63 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF060040.D

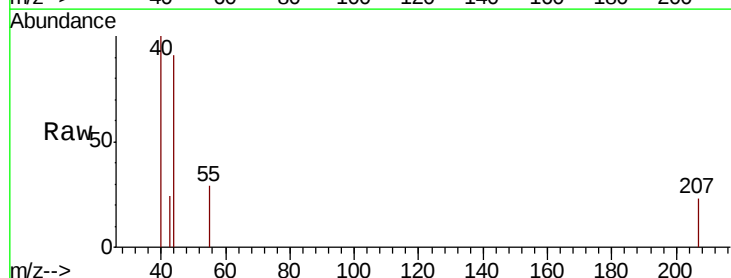
Acq: 22 Aug 2018 15:18

Tgt Ion: 43 Resp: 90

Ion Ratio Lower Upper

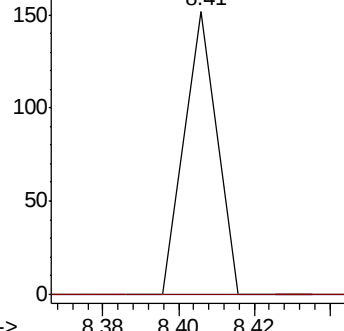
43 100

58 0.0 28.6 42.8#

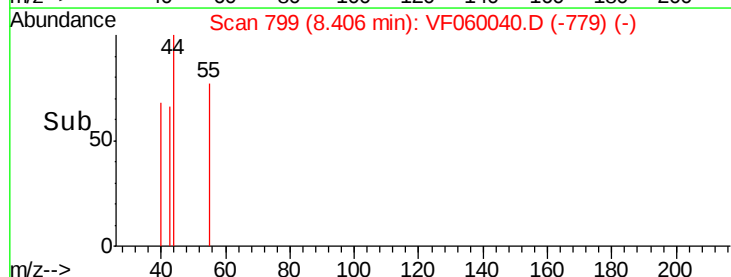


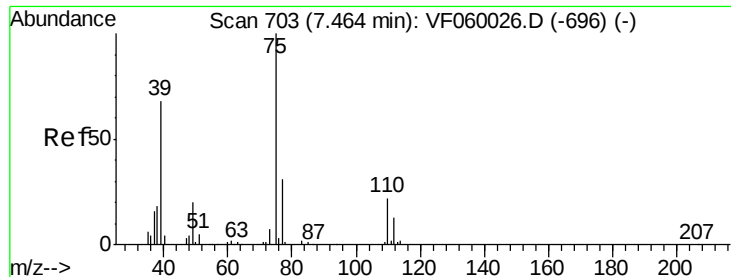
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->





#54

cis-1,3-Dichloropropene

Concen: 5.50 ug/l

RT: 7.56 min Scan# 713

Delta R.T. 0.09 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

TOD1-SB-01-51.5-52

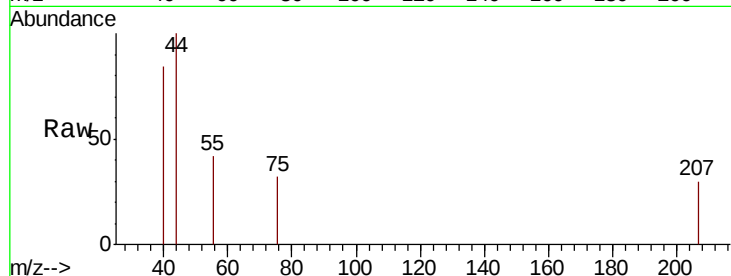
Tot Ion: 75 Resp: 66

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

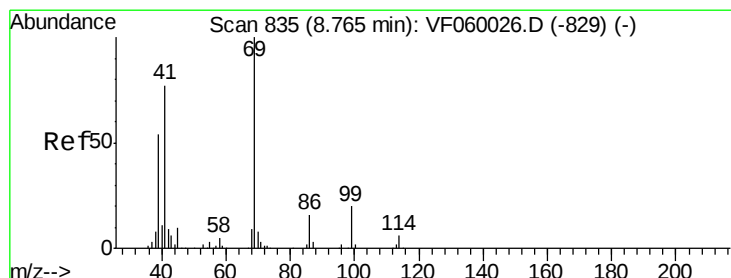
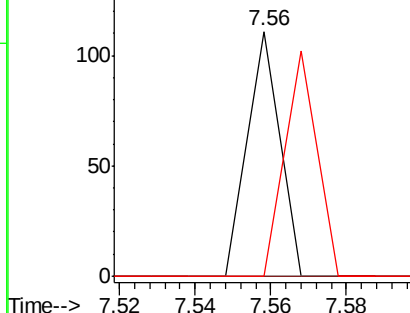
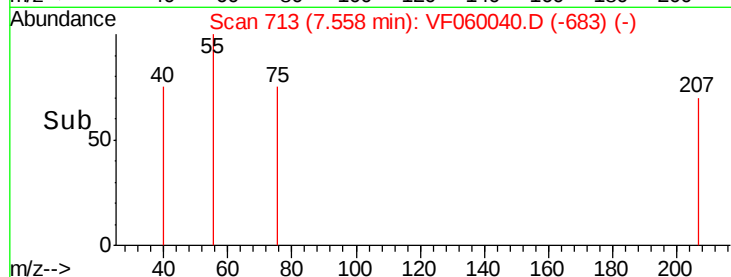
39 0.0 54.6 81.8#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#56

Ethyl methacrylate

Concen: 8.69 ug/l

RT: 8.72 min Scan# 831

Delta R.T. -0.04 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

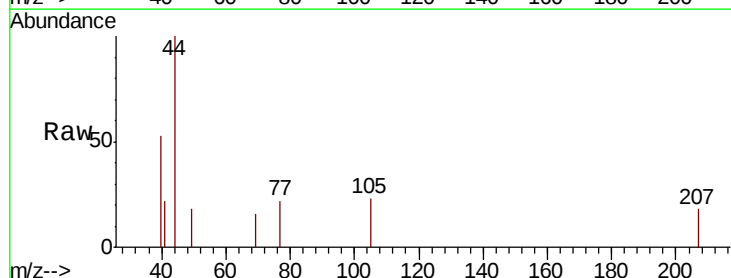
Tgt Ion: 69 Resp: 63

Ion Ratio Lower Upper

69 100

41 133.0 61.6 92.4#

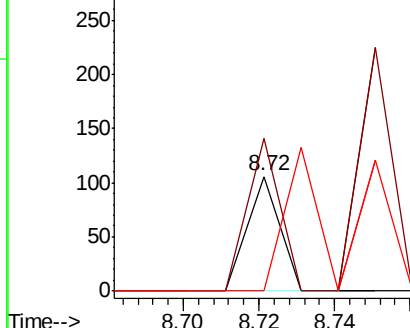
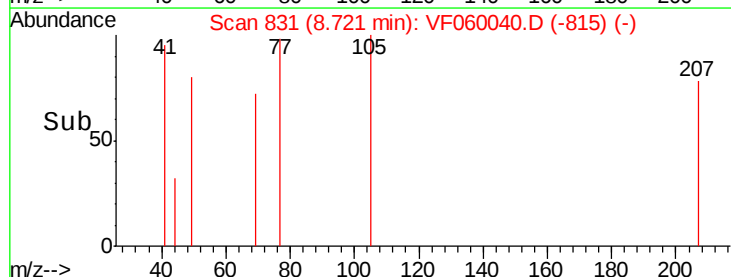
39 0.0 43.9 65.9#

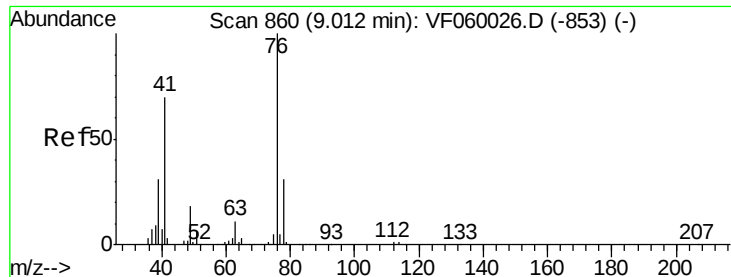


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 5.99 ug/l

RT: 9.01 min Scan# 860

Delta R.T. -0.00 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

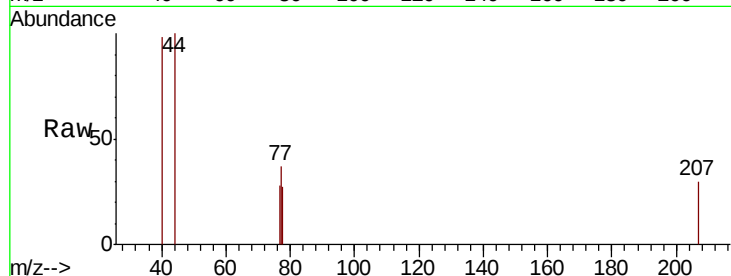
TOD1-SB-01-51.5-52

Tot Ion: 76 Resp: 63

Ion Ratio Lower Upper

76 100

78 99.1 25.2 37.8#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

9.01

120

100

80

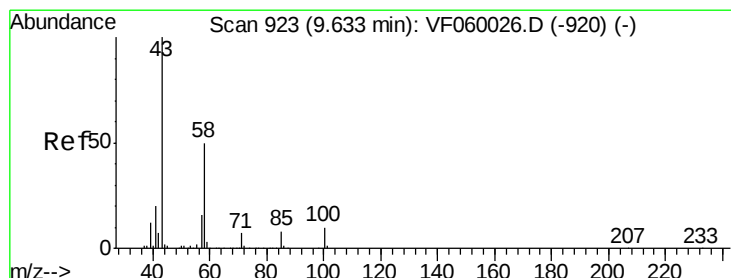
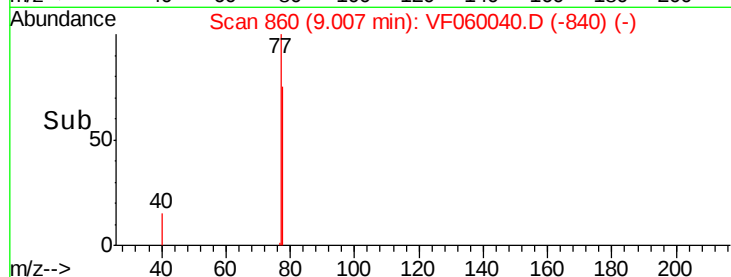
60

40

20

0

Time-->



#59

2-Hexanone

Concen: 11.23 ug/l

RT: 9.65 min Scan# 925

Delta R.T. 0.01 min

Lab File: VF060040.D

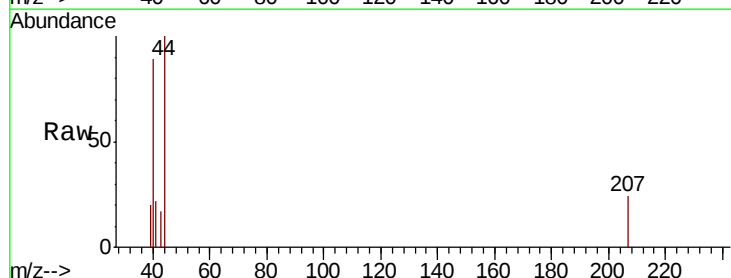
Acq: 22 Aug 2018 15:18

Tgt Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

58 0.0 23.4 70.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.65

120

100

80

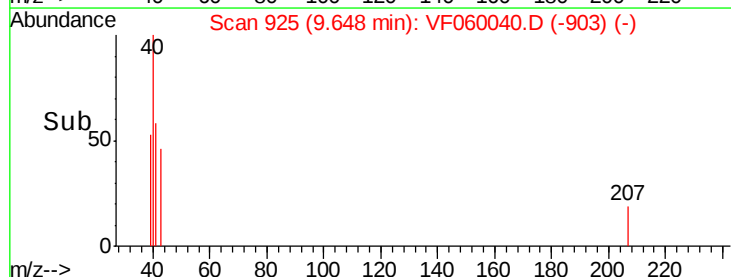
60

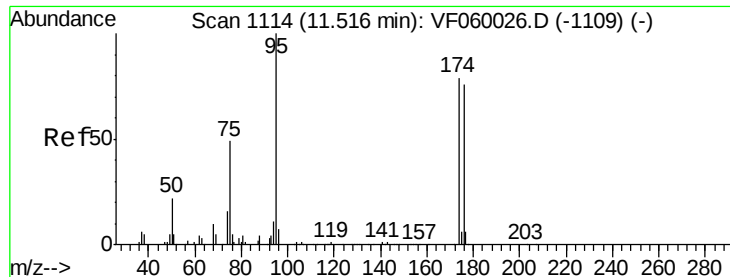
40

20

0

Time-->





#62

4-Bromofluorobenzene

Concen: 10.35 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.02 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

TOD1-SB-01-51.5-52

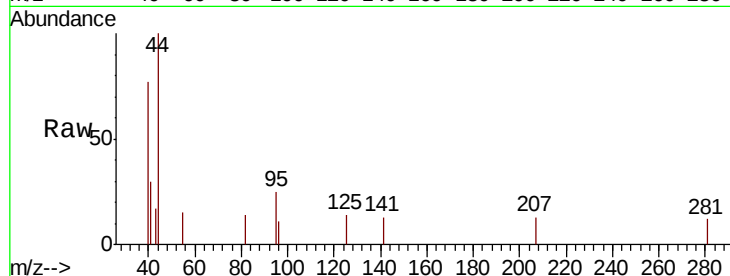
Tot Ion: 95 Resp: 132

Ion Ratio Lower Upper

95 100

174 0.0 0.0 158.4

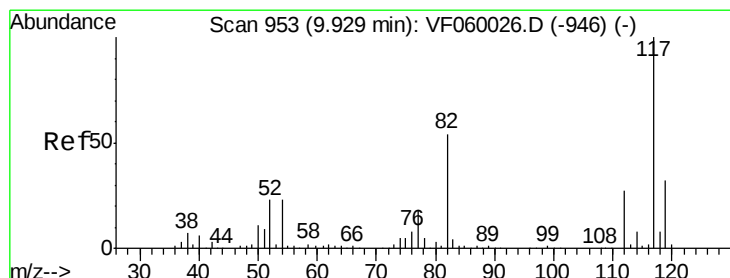
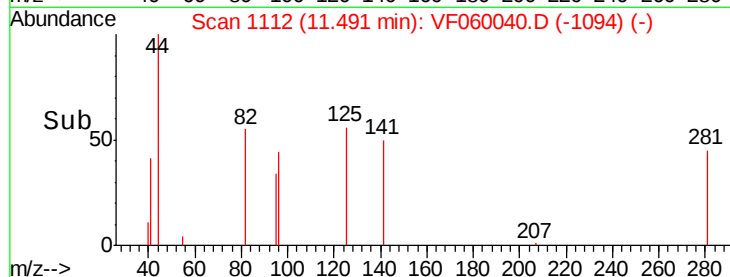
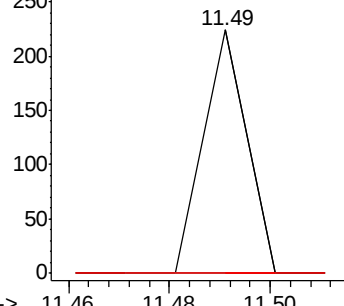
176 0.0 0.0 153.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.94 min Scan# 955

Delta R.T. 0.01 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

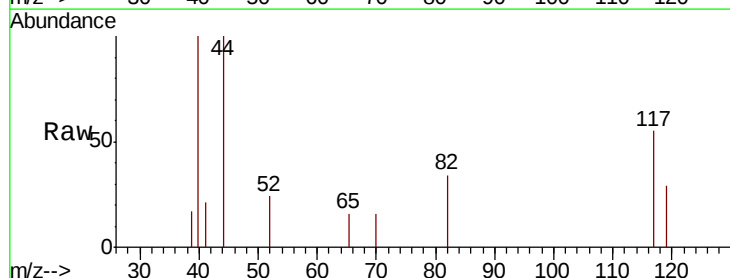
Tgt Ion: 117 Resp: 849

Ion Ratio Lower Upper

117 100

82 62.1 43.6 65.4

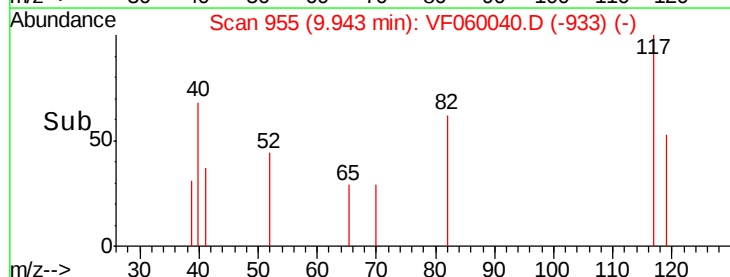
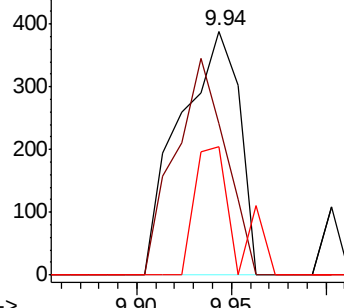
119 52.6 25.6 38.4#

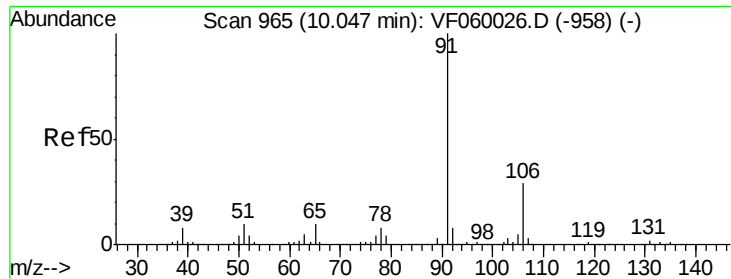


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

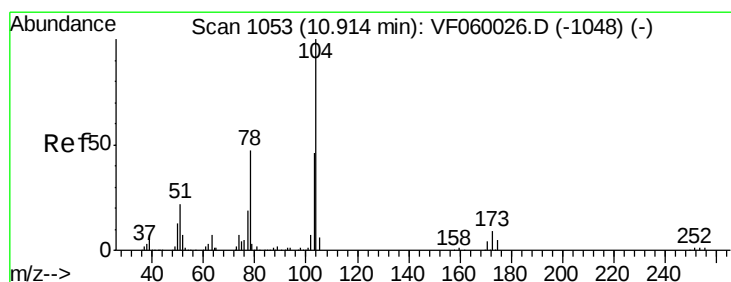
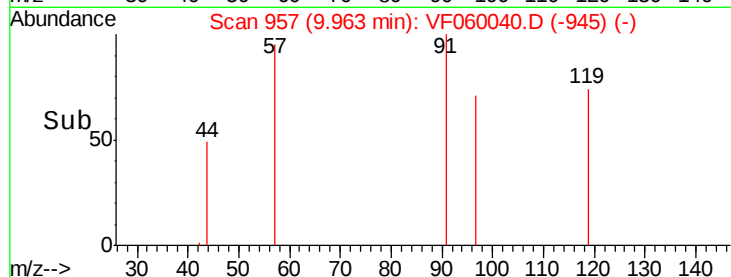
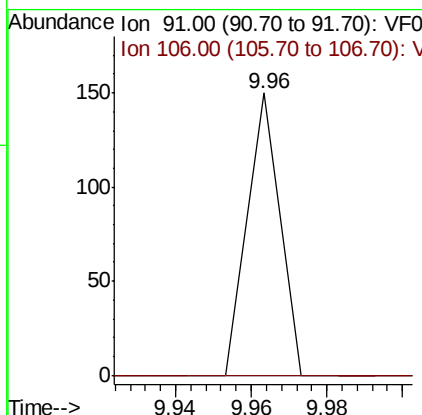
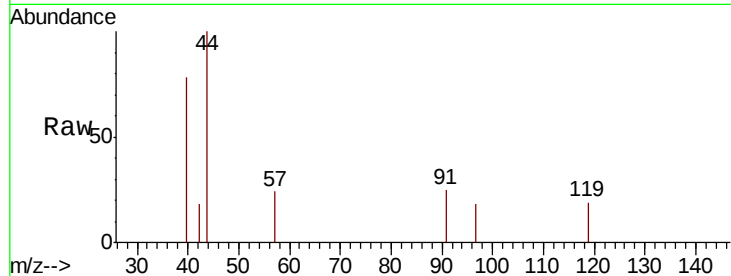




#67
Ethyl Benzene
Concen: 3.22 ug/l
RT: 9.96 min Scan# 957
Delta R.T. -0.08 min
Lab File: VF060040.D
Acq: 22 Aug 2018 15:18

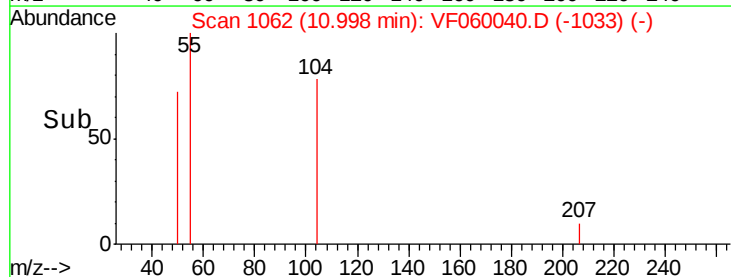
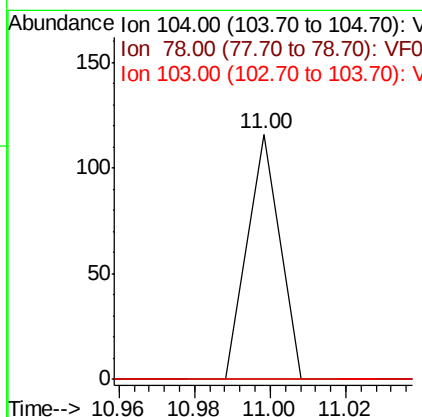
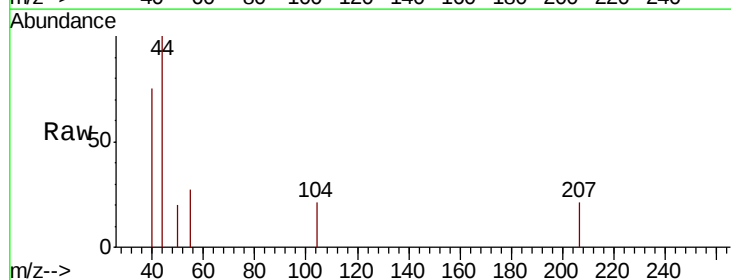
Instrument :
MSVOA_F
ClientSampleId :
TOD1-SB-01-51.5-52

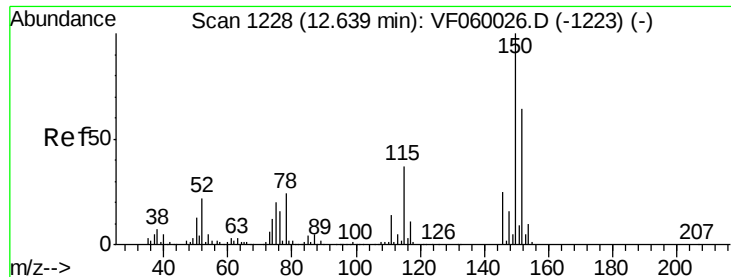
Tot Ion: 91 Resp: 89
Ion Ratio Lower Upper
91 100
106 0.0 23.6 35.4#



#70
Styrene
Concen: 4.15 ug/l
RT: 11.00 min Scan# 1062
Delta R.T. 0.08 min
Lab File: VF060040.D
Acq: 22 Aug 2018 15:18

Tgt Ion:104 Resp: 69
Ion Ratio Lower Upper
104 100
78 0.0 38.0 57.0#
103 0.0 37.6 56.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.65 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

TOD1-SB-01-51.5-52

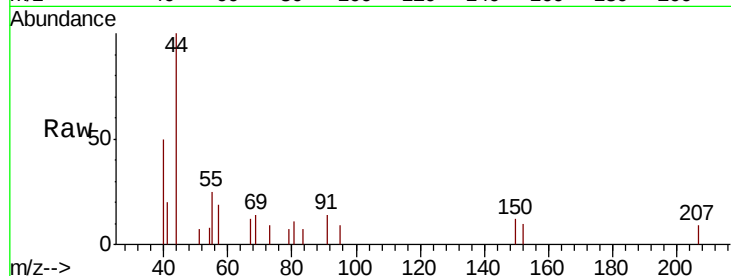
Tot Ion:152 Resp: 156

Ion Ratio Lower Upper

152 100

115 0.0 28.6 85.9#

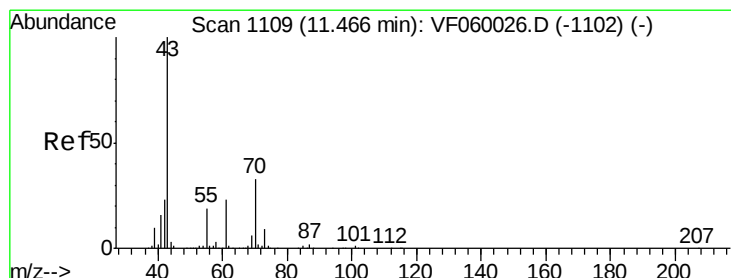
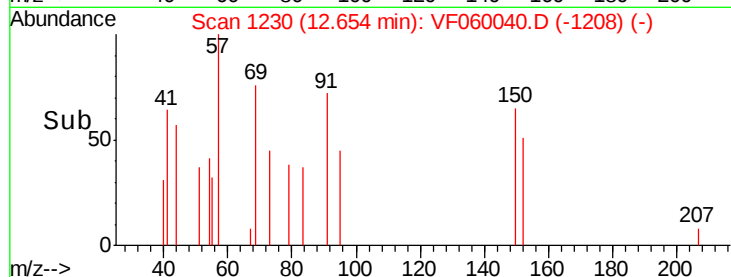
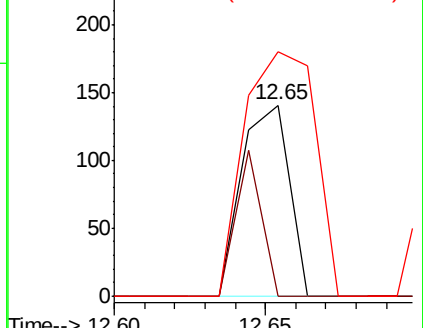
150 127.7 0.0 312.0



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#74

N-ethyl acetate

Concen: 220.30 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

Tgt Ion: 43 Resp: 643

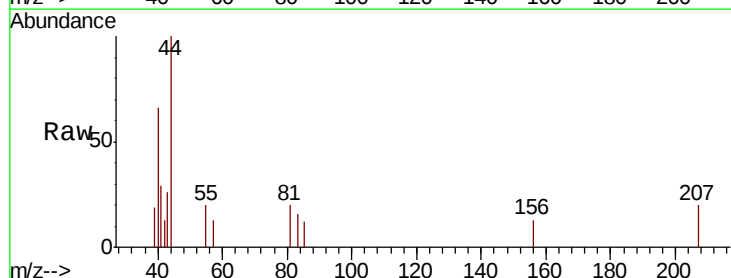
Ion Ratio Lower Upper

43 100

70 0.0 26.4 39.6#

55 76.4 15.0 22.4#

61 0.0 18.4 27.6#

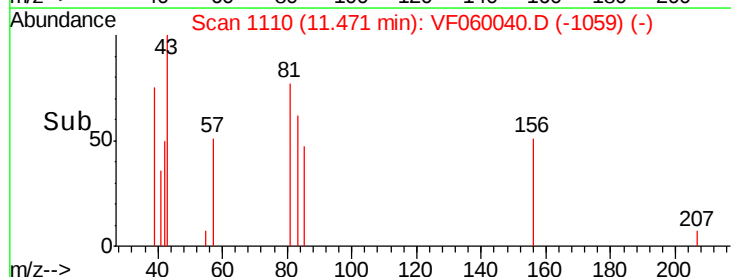
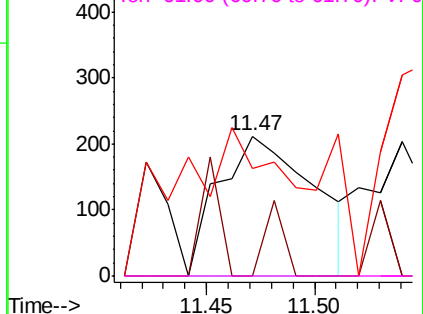


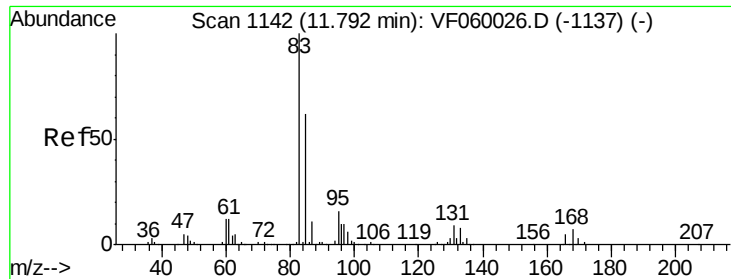
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 89.72 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

TOD1-SB-01-51.5-52

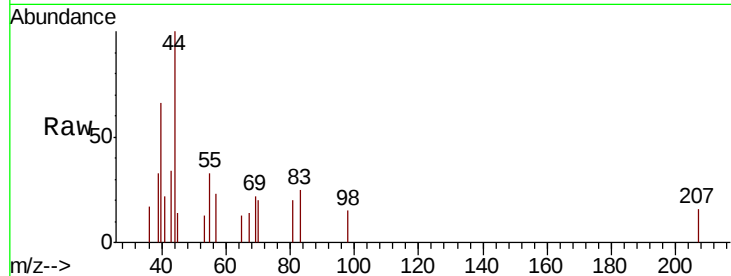
Tot Ion: 83 Resp: 184

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.7#

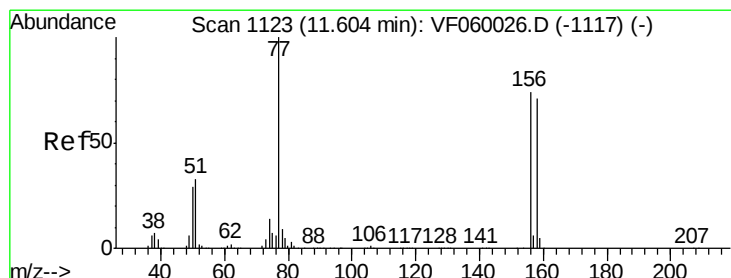
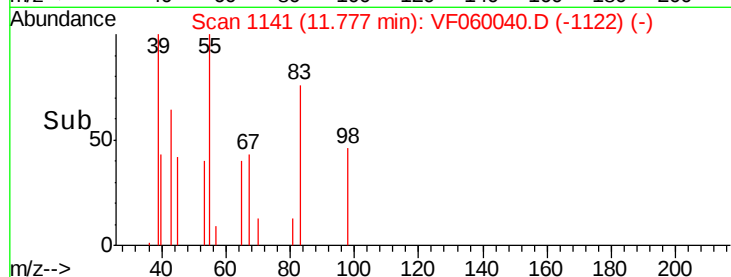
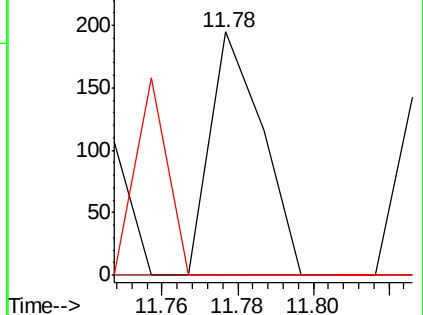
85 0.0 31.3 93.9#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#77

Bromobenzene

Concen: 23.89 ug/l

RT: 11.56 min Scan# 1119

Delta R.T. -0.04 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

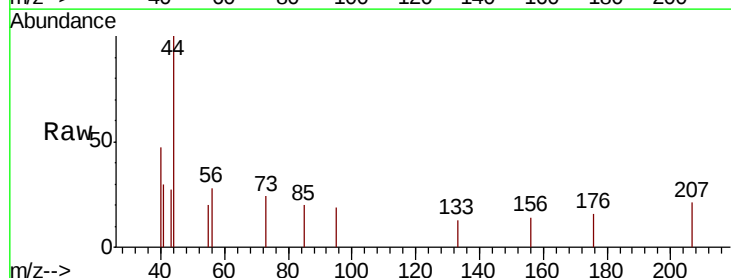
Tgt Ion: 156 Resp: 61

Ion Ratio Lower Upper

156 100

77 0.0 68.0 204.0#

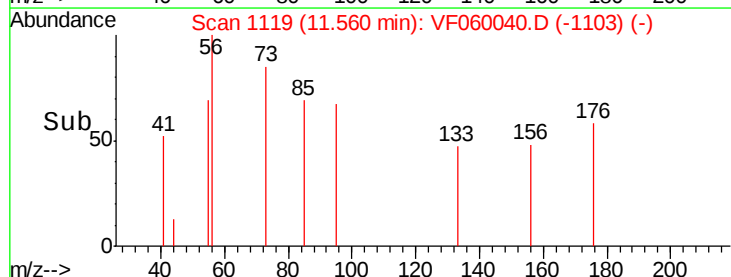
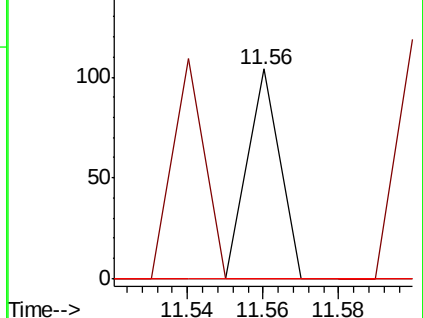
158 0.0 48.4 145.3#

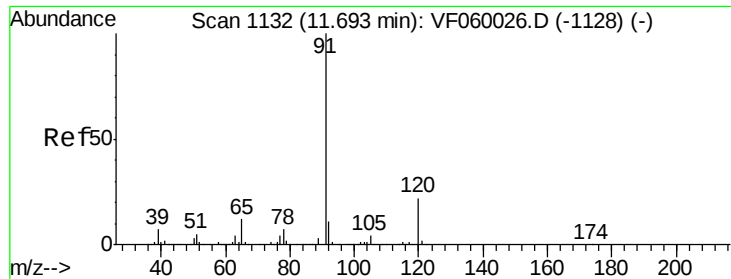


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V





#78

n-propylbenzene

Concen: 7.16 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

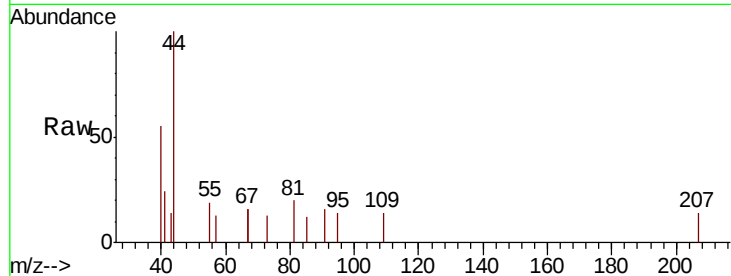
TOD1-SB-01-51.5-52

Tot Ion: 91 Resp: 83

Ion Ratio Lower Upper

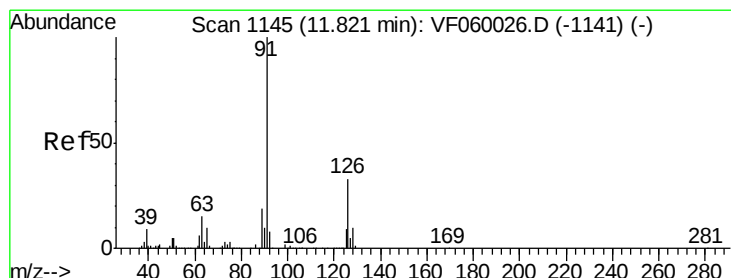
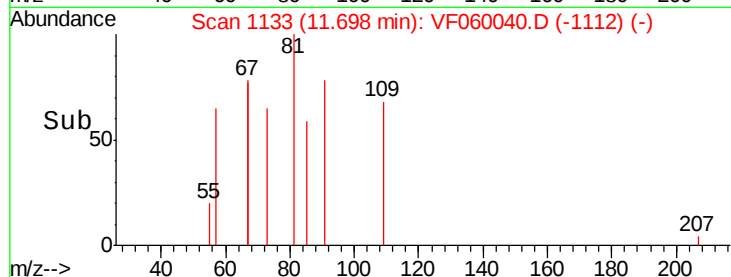
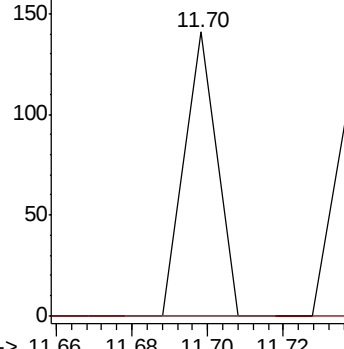
91 100

120 0.0 10.9 32.7#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 25.09 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.02 min

Lab File: VF060040.D

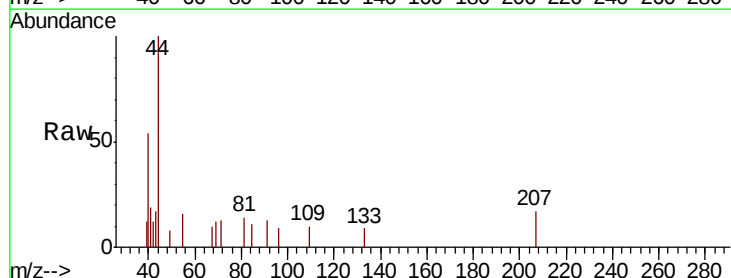
Acq: 22 Aug 2018 15:18

Tgt Ion: 91 Resp: 171

Ion Ratio Lower Upper

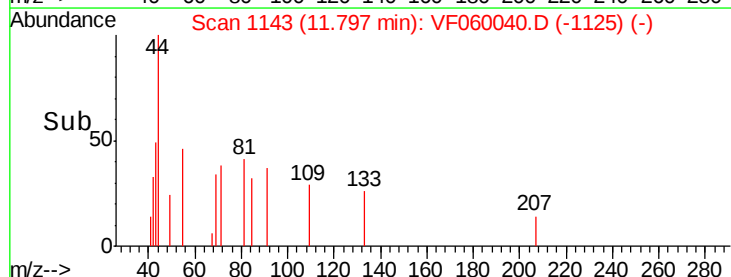
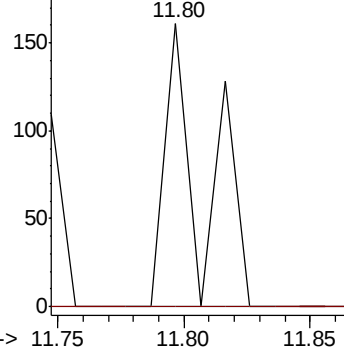
91 100

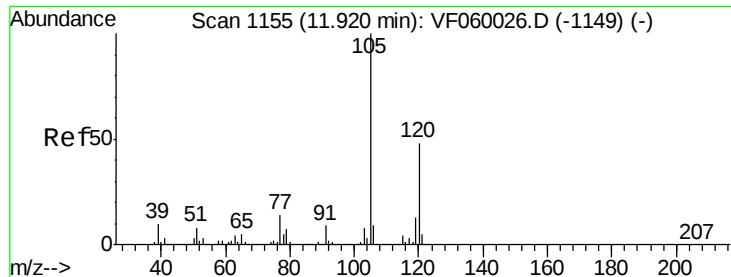
126 0.0 16.6 49.7#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#80

1,3,5-Trimethylbenzene

Concen: 10.88 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

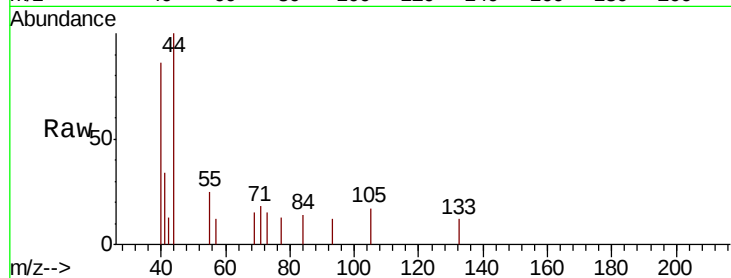
TOD1-SB-01-51.5-52

Tot Ion:105 Resp: 89

Ion Ratio Lower Upper

105 100

120 0.0 23.8 71.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.91

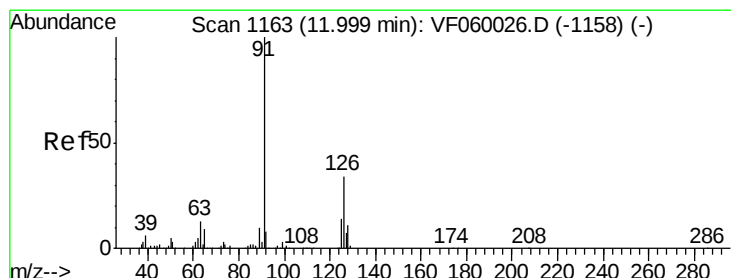
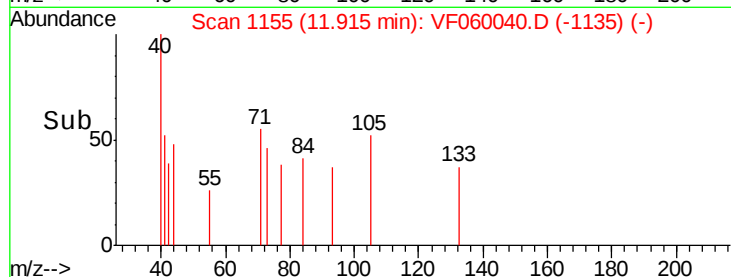
150

100

50

0

Time--> 11.88 11.90 11.92 11.94



#82

4-Chlorotoluene

Concen: 10.14 ug/l

RT: 12.04 min Scan# 1168

Delta R.T. 0.04 min

Lab File: VF060040.D

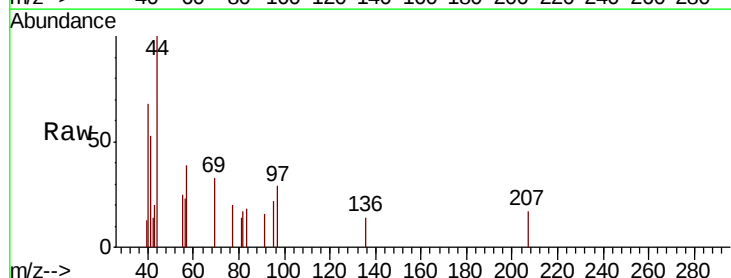
Acq: 22 Aug 2018 15:18

Tgt Ion: 91 Resp: 75

Ion Ratio Lower Upper

91 100

126 0.0 17.0 50.9#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

12.04

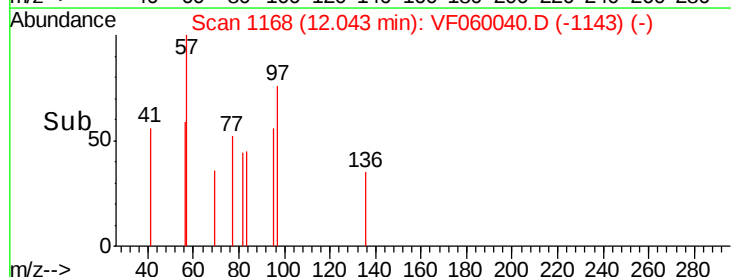
150

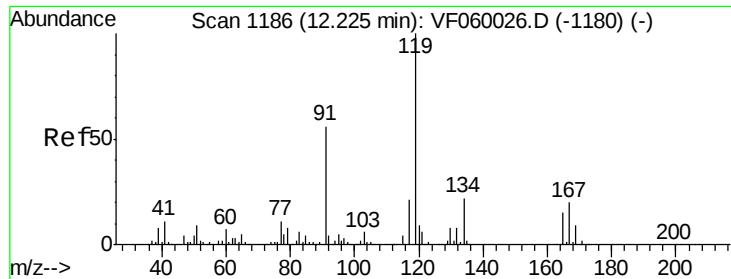
100

50

0

Time--> 12.02 12.04 12.06

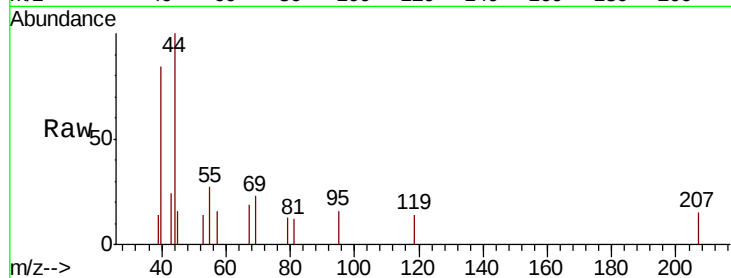




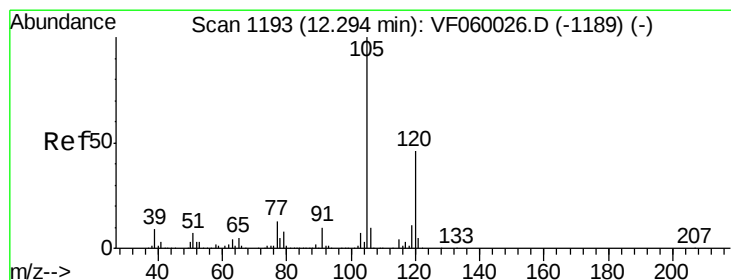
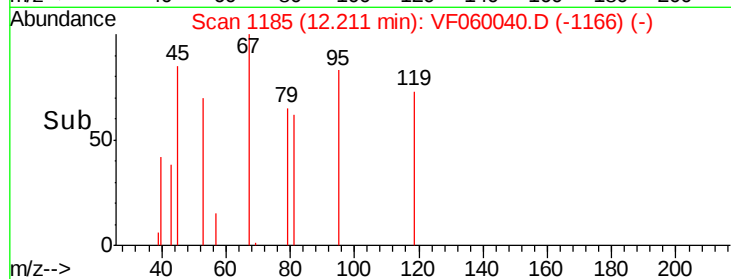
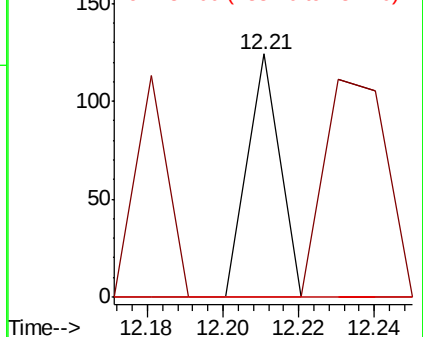
#83
tert-Butylbenzene
Concen: 9.15 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VF060040.D
Acq: 22 Aug 2018 15:18

Instrument :
MSVOA_F
ClientSampleId :
TOD1-SB-01-51.5-52

Tot Ion:119 Resp: 73
Ion Ratio Lower Upper
119 100
91 0.0 28.1 84.3#
134 0.0 11.1 33.3#

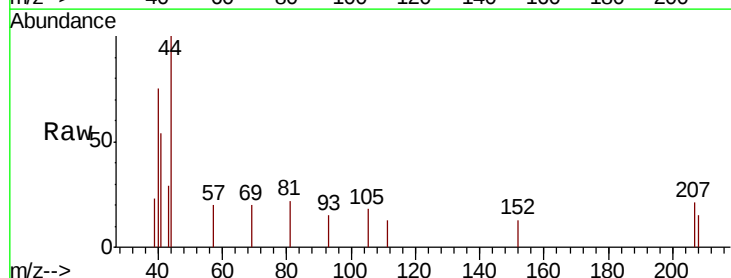


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

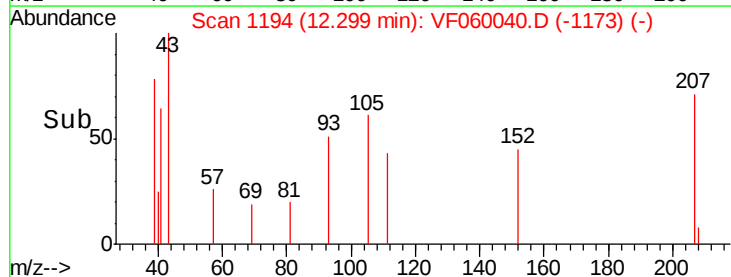
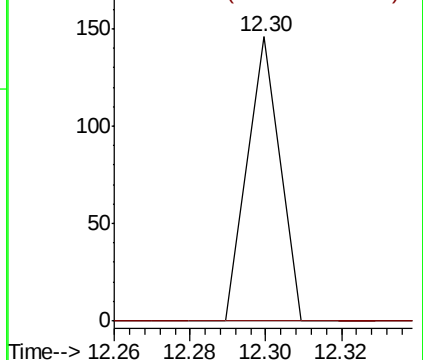


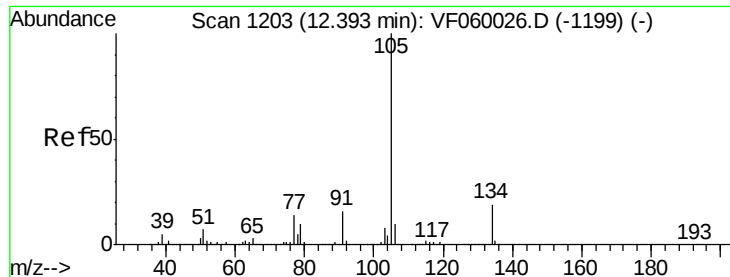
#84
1,2,4-Trimethylbenzene
Concen: 9.89 ug/l
RT: 12.30 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VF060040.D
Acq: 22 Aug 2018 15:18

Tgt Ion:105 Resp: 86
Ion Ratio Lower Upper
105 100
120 0.0 23.3 69.8#



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





#85

sec-Butylbenzene

Concen: 5.40 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

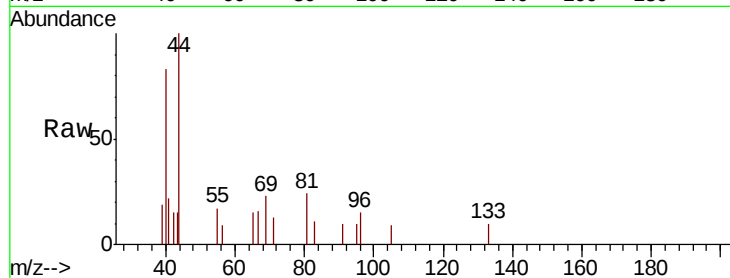
TOD1-SB-01-51.5-52

Tot Ion:105 Resp: 60

Ion Ratio Lower Upper

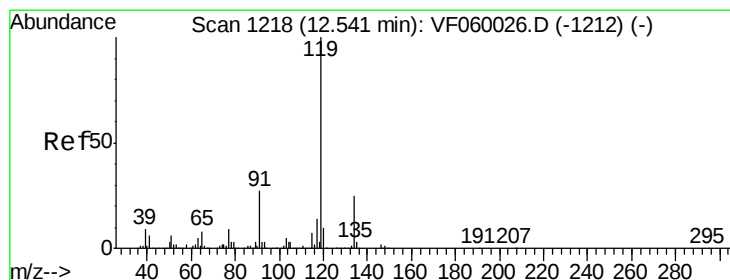
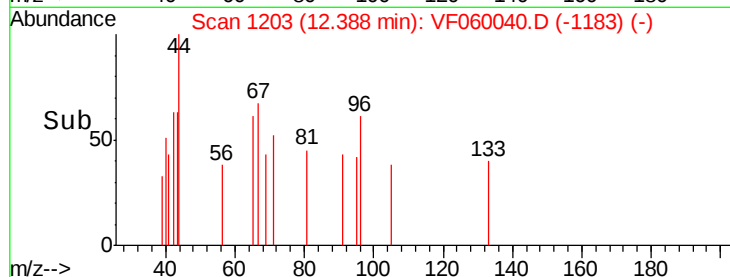
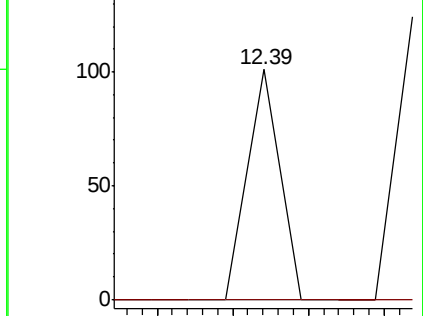
105 100

134 0.0 9.3 27.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 9.55 ug/l

RT: 12.57 min Scan# 1221

Delta R.T. 0.02 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

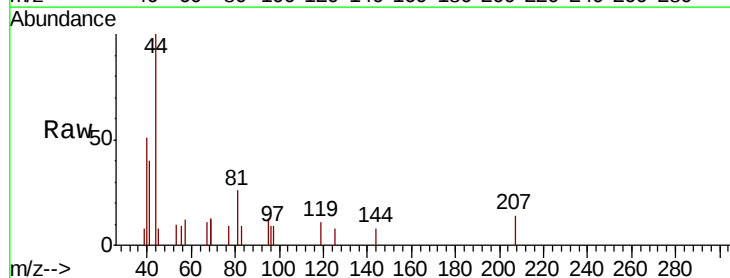
Tgt Ion:119 Resp: 88

Ion Ratio Lower Upper

119 100

134 0.0 12.4 37.2#

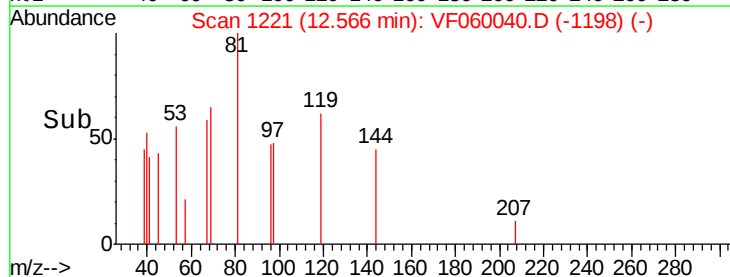
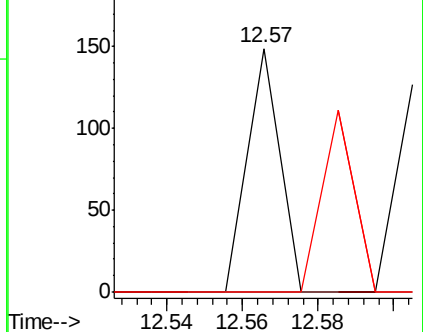
91 0.0 13.5 40.4#

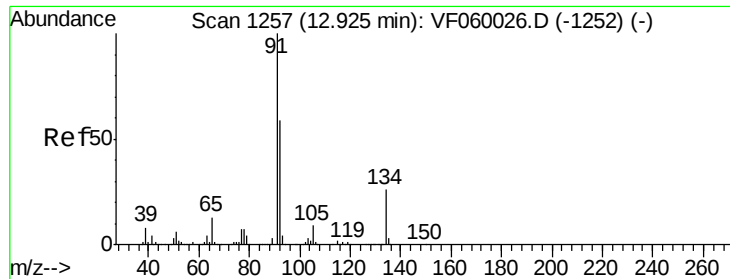


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#89

n-Butylbenzene

Concen: 22.56 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VF060040.D

Acq: 22 Aug 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

TOD1-SB-01-51.5-52

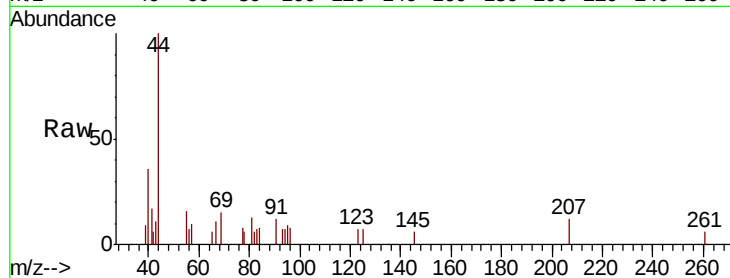
Tot Ion: 91 Resp: 202

Ion Ratio Lower Upper

91 100

92 0.0 29.3 87.9#

134 0.0 12.8 38.3#



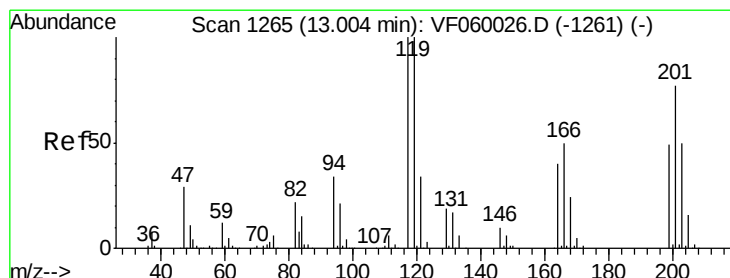
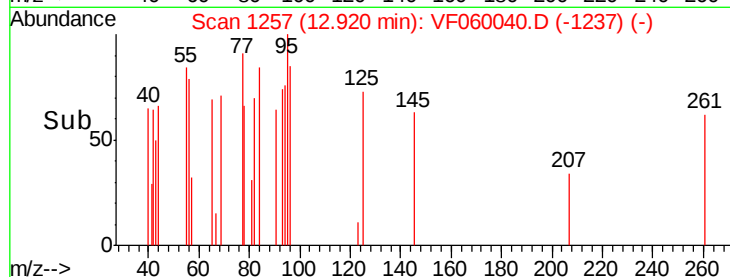
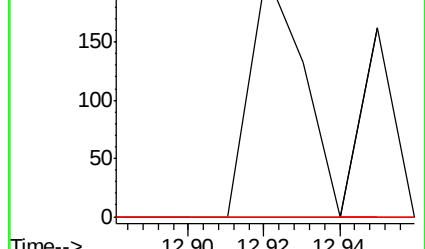
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V

12.92

12.94



#90

Hexachloroethane

Concen: 30.42 ug/l

RT: 12.89 min Scan# 1254

Delta R.T. -0.11 min

Lab File: VF060040.D

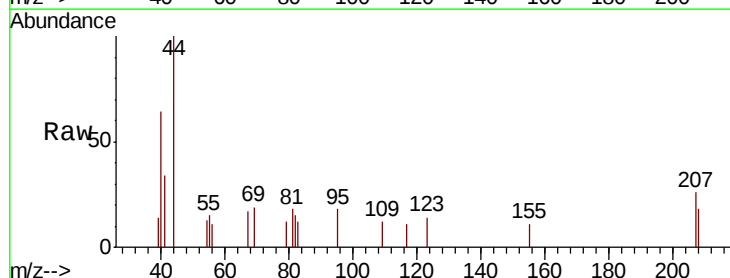
Acq: 22 Aug 2018 15:18

Tgt Ion: 117 Resp: 63

Ion Ratio Lower Upper

117 100

201 0.0 38.6 115.8#

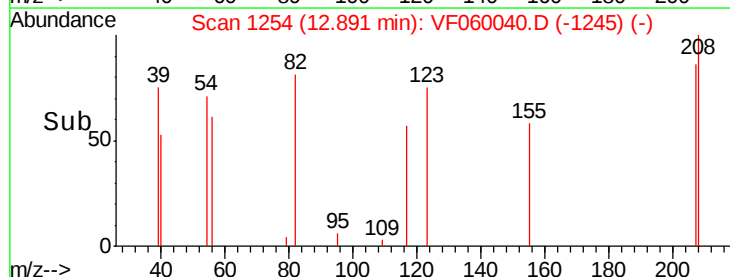
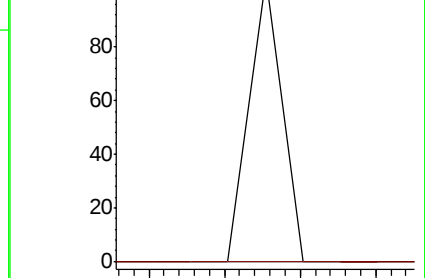


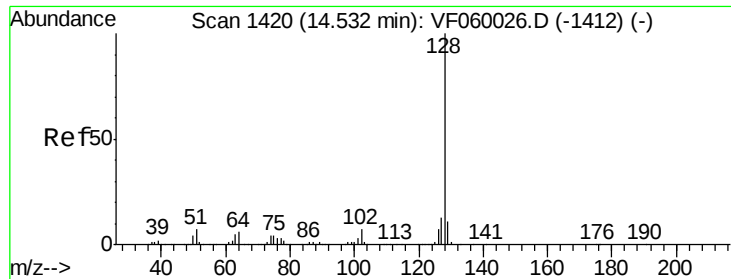
Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

12.89

12.92





#95
Naphthalene
Concen: 28.11 ug/l
RT: 14.56 min Scan# 1423
Delta R.T. 0.03 min
Lab File: VF060040.D
Acq: 22 Aug 2018 15:18

Instrument :
MSVOA_F
ClientSampleId :
TOD1-SB-01-51.5-52

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.5	12.7#

