

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF110918\
 Data File : VF060681.D
 Acq On : 9 Nov 2018 19:35
 Operator : VA/AP
 Sample : J5863-01RE
 Misc : 5.86g/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RT-3263RE

Quant Time: Nov 12 04:14:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	2068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	2859	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.78	117	450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.55

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	145	6.94	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	13.88%	
35) Dibromofluoromethane	4.11	113	669	30.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	60.58%	
50) Toluene-d8	7.57	98	2460	37.60	ug/l	0.01
Spiked Amount	50.000		Recovery	=	75.20%	
62) 4-Bromofluorobenzene	11.31	95	66	2.31	ug/l	-0.11
Spiked Amount	50.000		Recovery	=	4.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.92	85	159	3.645	ug/l #	41
3) Chloromethane	1.11	50	104	5.746	ug/l #	45
4) Vinyl Chloride	1.04	62	69	4.137	ug/l #	48
5) Bromomethane	1.35	94	115	12.284	ug/l #	1
6) Chloroethane	1.28	64	99	13.285	ug/l #	40
7) Trichlorofluoromethane	1.31	101	82	2.627	ug/l #	21
8) Diethyl Ether	1.67	74	60	10.371	ug/l #	1
13) Acrolein	2.01	56	146	207.282	ug/l #	7
14) Allyl chloride	2.09	41	920	37.504	ug/l #	49
15) Acrylonitrile	2.90	53	145	58.229	ug/l #	19
16) Acetone	2.25	43	213	43.261	ug/l #	59
18) Methyl Acetate	2.36	43	423	55.259	ug/l #	64
19) Methyl tert-butyl Ether	2.44	73	63	1.794	ug/l #	1
20) Methylene Chloride	2.20	84	61	Below Cal	#	3
21) trans-1,2-Dichloroethene	2.28	96	181	11.484	ug/l #	1
22) Diisopropyl ether	2.77	45	419	8.062	ug/l #	79
23) Vinyl Acetate	3.20	43	459	14.699	ug/l #	75
24) 1,1-Dichloroethane	2.78	63	90	2.992	ug/l #	89
25) 2-Butanone	4.32	43	675	46.837	ug/l #	56
26) 2,2-Dichloropropane	3.65	77	65	2.888	ug/l #	57
27) cis-1,2-Dichloroethene	3.46	96	150	4.985	ug/l	1
28) Bromochloromethane	3.78	49	65	3.443	ug/l #	13
29) Tetrahydrofuran	4.07	42	190	42.995	ug/l #	36
30) Chloroform	3.94	83	72	1.513	ug/l #	16
31) Cyclohexane	3.70	56	64	1.542	ug/l #	17
32) 1,1,1-Trichloroethane	4.10	97	62	1.865	ug/l #	21
36) 1,1-Dichloropropene	4.43	75	67	2.128	ug/l #	17
37) Ethyl Acetate	4.12	43	783	51.815	ug/l #	17
39) Methylcyclohexane	5.45	83	63	1.640	ug/l #	1
40) Benzene	4.74	78	95	1.243	ug/l #	51
41) Methacrylonitrile	4.75	41	577	67.425	ug/l #	48
43) Isopropyl Acetate	7.00	43	355	18.572	ug/l #	45
45) 1,2-Dichloropropane	6.26	63	71	3.633	ug/l #	7
46) Dibromomethane	6.19	93	142	11.453	ug/l #	3

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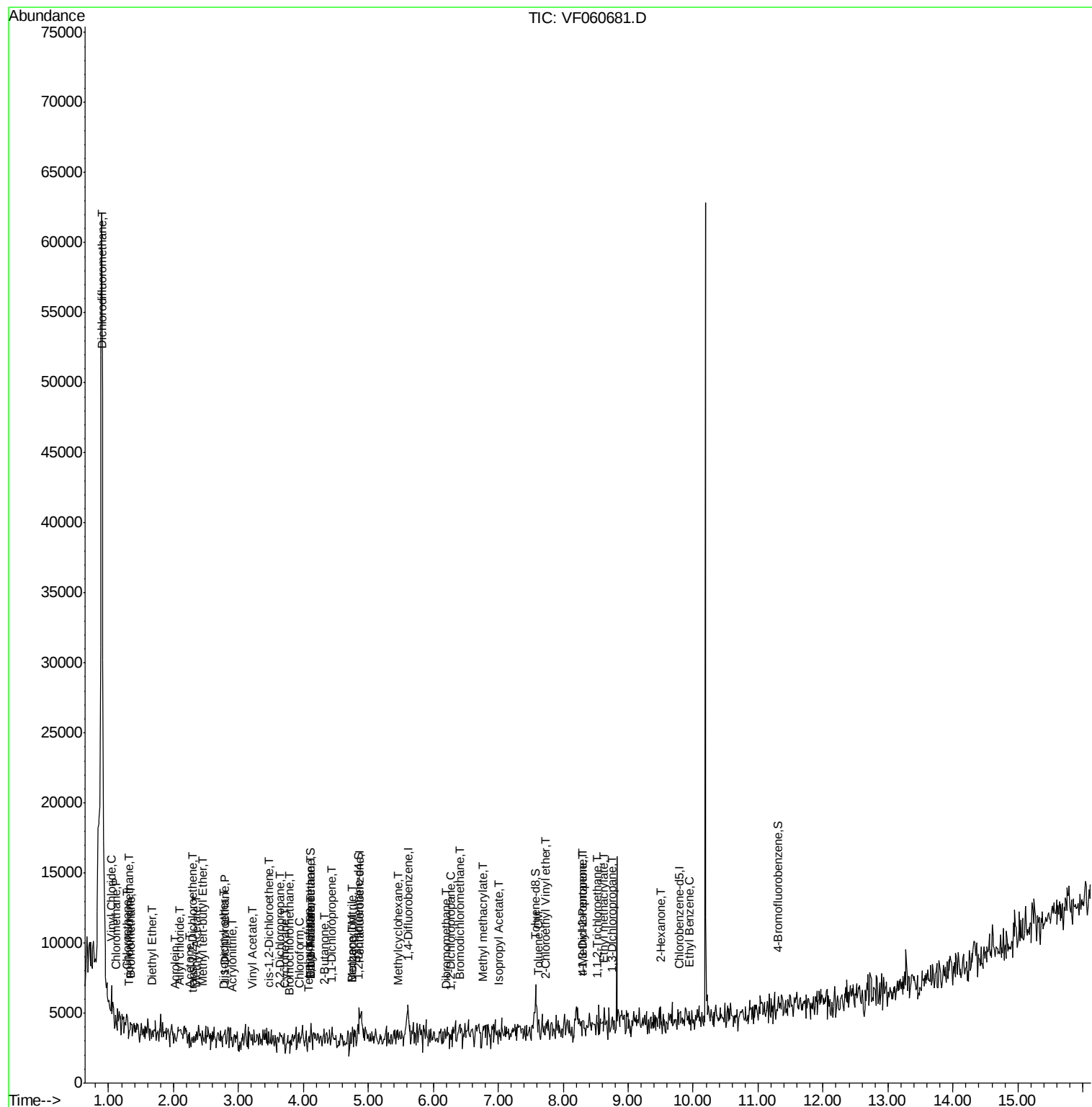
47) Bromodichloromethane	6.41	83	61	2.040	ug/l #	25
48) Methyl methacrylate	6.77	41	1052	87.570	ug/l #	46
51) 4-Methyl-2-Pentanone	8.29	43	973	75.697	ug/l #	37
52) Toluene	7.63	92	67	1.346	ug/l #	1
53) t-1,3-Dichloropropene	8.29	75	65	2.501	ug/l #	1
55) 1,1,2-Trichloroethane	8.53	97	72	4.971	ug/l #	14
56) Ethyl methacrylate	8.64	69	63	3.381	ug/l #	40
57) 1,3-Dichloropropane	8.75	76	69	2.715	ug/l #	44
58) 2-Chloroethyl Vinyl ether	7.72	63	149	113.613	ug/l	100
59) 2-Hexanone	9.50	43	1022	105.252	ug/l #	26
67) Ethyl Benzene	9.93	91	62	3.713	ug/l #	44

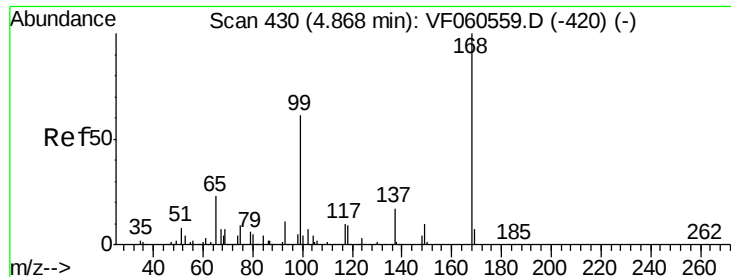
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF060681.D

Acq: 9 Nov 2018 19:35

Instrument :

MSVOA_F

ClientSampleId :

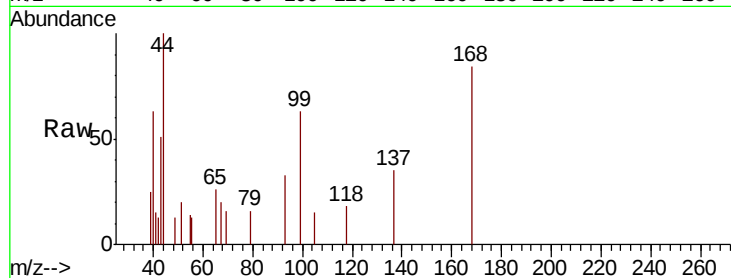
RT-3263RE

Tgt Ion:168 Resp: 2068

Ion Ratio Lower Upper

168 100

99 75.1 48.6 72.8#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

800

600

400

200

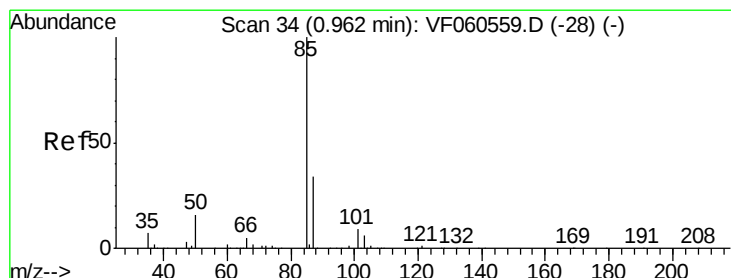
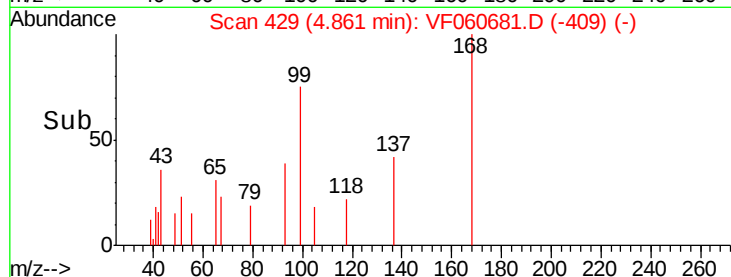
0

4.86

4.90

5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 3.645 ug/l

RT: 0.92 min Scan# 29

Delta R.T. -0.05 min

Lab File: VF060681.D

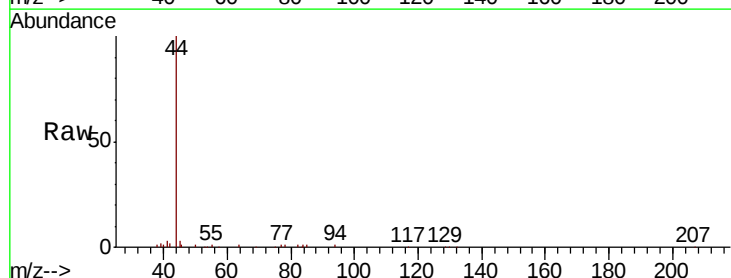
Acq: 9 Nov 2018 19:35

Tgt Ion: 85 Resp: 159

Ion Ratio Lower Upper

85 100

87 0.0 16.9 50.7#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

150

100

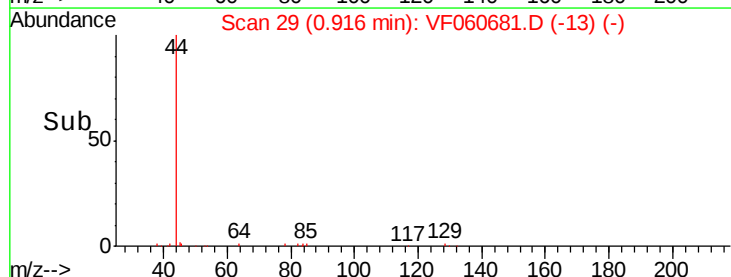
50

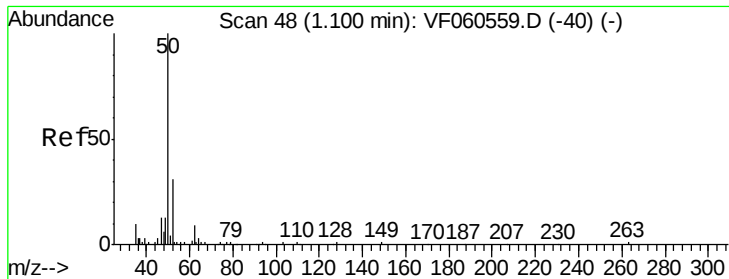
0

0.92

0.95

Time-->





#3

Chloromethane

Concen: 5.746 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF060681.D

Acq: 9 Nov 2018 19:35

Instrument :

MSVOA_F

ClientSampleId :

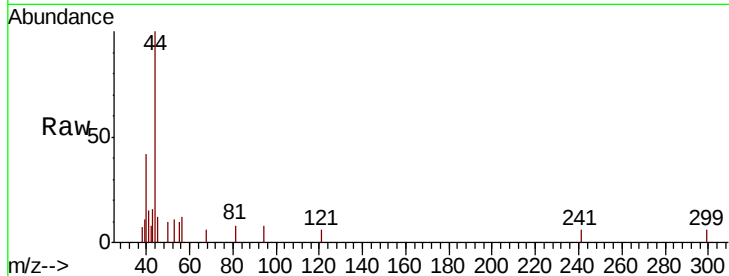
RT-3263RE

Tgt Ion: 50 Resp: 104

Ion Ratio Lower Upper

50 100

52 0.0 24.0 36.0#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.11

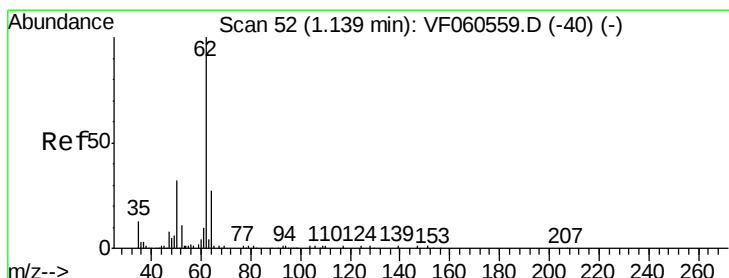
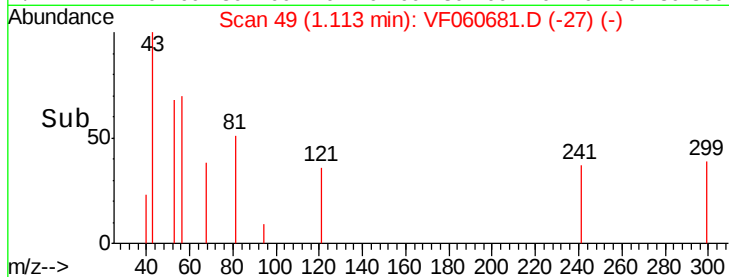
150

100

50

0

Time-->



#4

Vinyl Chloride

Concen: 4.137 ug/l

RT: 1.04 min Scan# 42

Delta R.T. -0.10 min

Lab File: VF060681.D

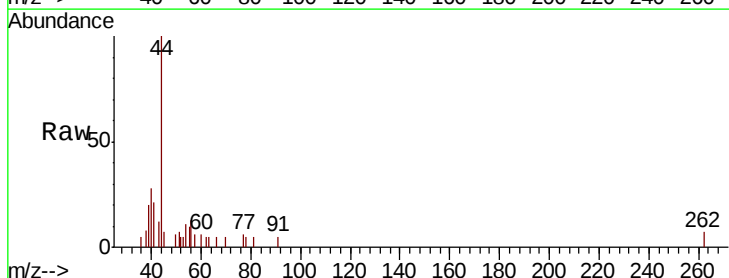
Acq: 9 Nov 2018 19:35

Tgt Ion: 62 Resp: 69

Ion Ratio Lower Upper

62 100

64 0.0 21.8 32.6#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

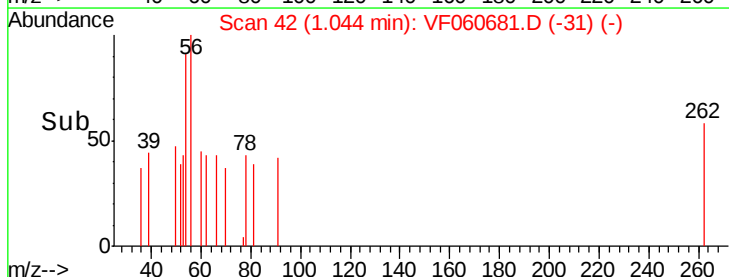
1.04

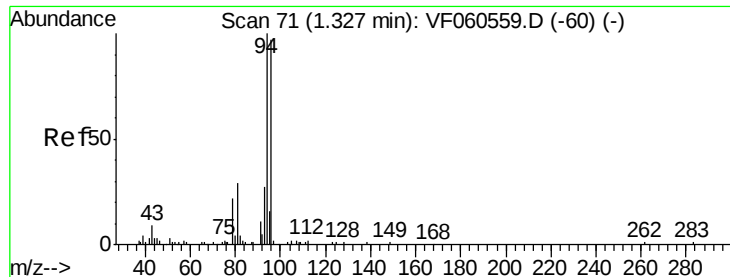
100

50

0

Time-->





#5

Bromomethane

Concen: 12.284 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.02 min

Lab File: VF060681.D

Acq: 9 Nov 2018 19:35

Instrument :

MSVOA_F

ClientSampleId :

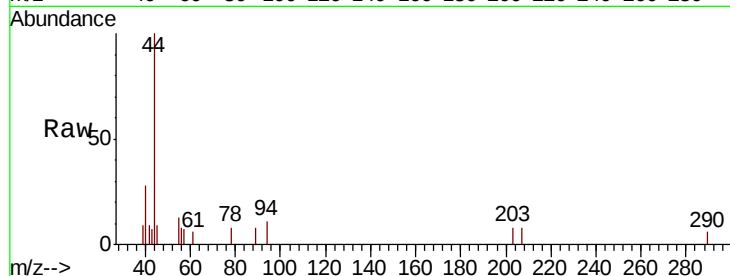
RT-3263RE

Tgt Ion: 94 Resp: 115

Ion Ratio Lower Upper

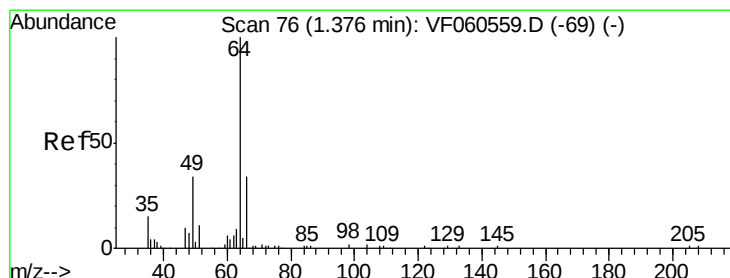
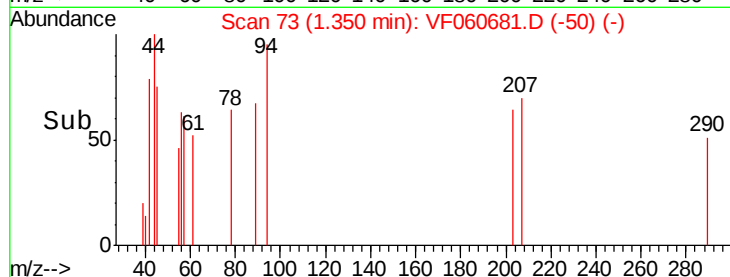
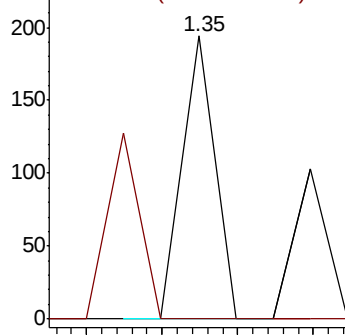
94 100

96 0.0 77.9 116.9#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 13.285 ug/l

RT: 1.28 min Scan# 66

Delta R.T. -0.09 min

Lab File: VF060681.D

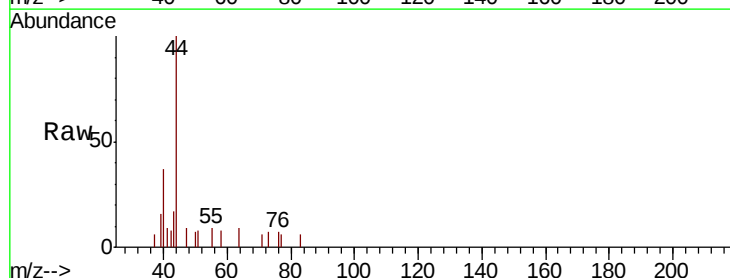
Acq: 9 Nov 2018 19:35

Tgt Ion: 64 Resp: 99

Ion Ratio Lower Upper

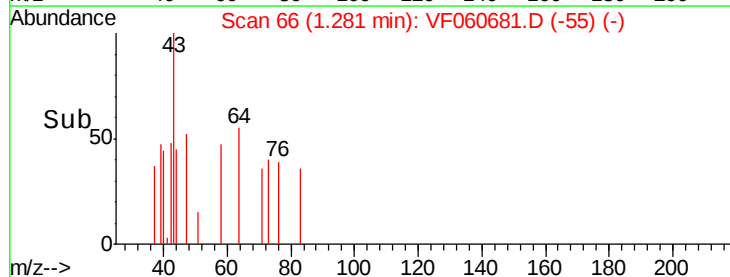
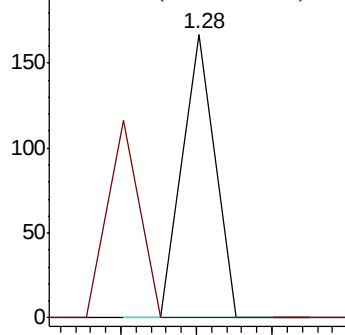
64 100

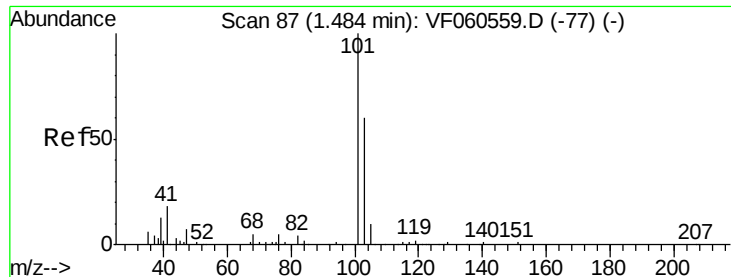
66 0.0 27.8 41.8#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 2.627 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.17 min

Lab File: VF060681.D

Acq: 9 Nov 2018 19:35

Instrument :

MSVOA_F

ClientSampleId :

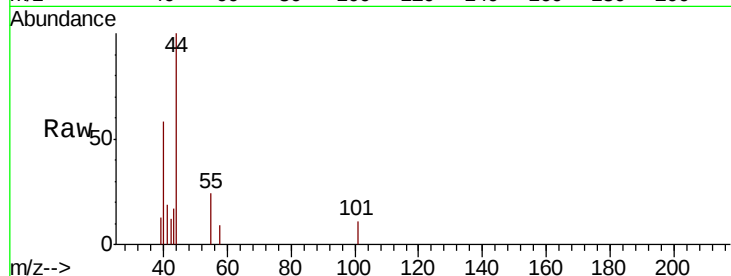
RT-3263RE

Tgt Ion: 101 Resp: 82

Ion Ratio Lower Upper

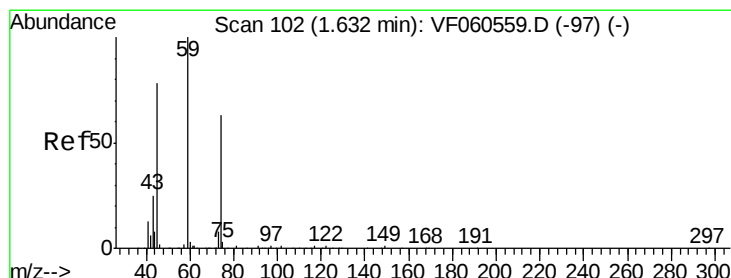
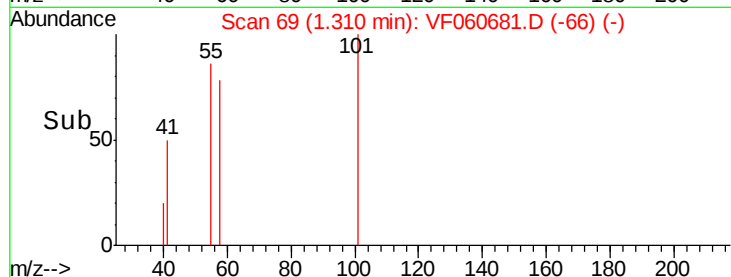
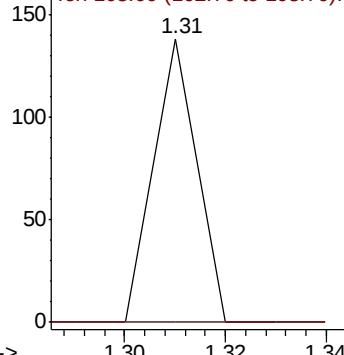
101 100

103 0.0 48.0 72.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 10.371 ug/l

RT: 1.67 min Scan# 105

Delta R.T. 0.03 min

Lab File: VF060681.D

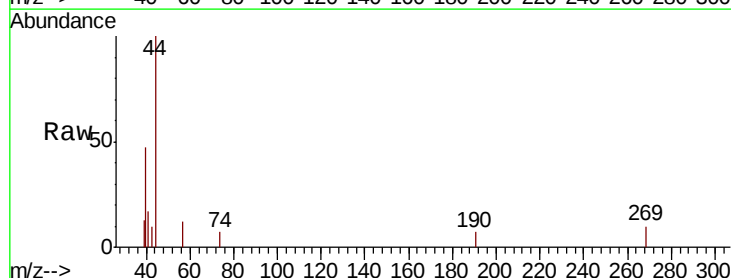
Acq: 9 Nov 2018 19:35

Tgt Ion: 74 Resp: 60

Ion Ratio Lower Upper

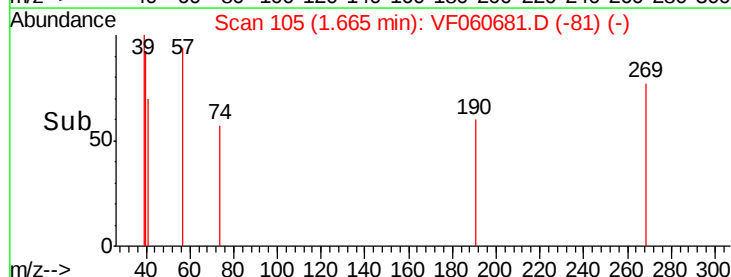
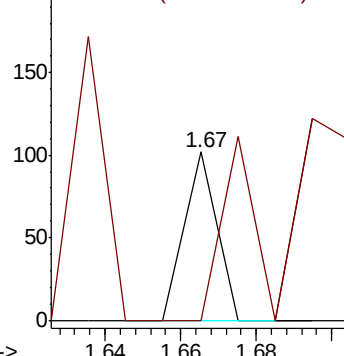
74 100

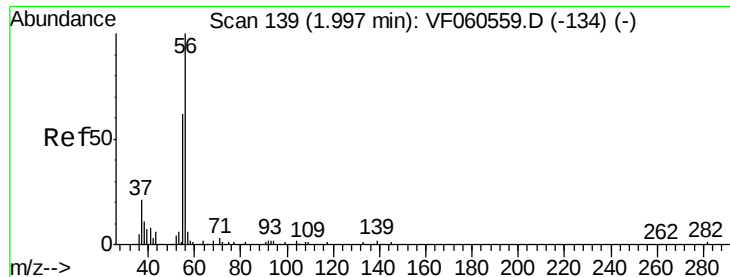
45 0.0 63.8 191.5#



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#13

Acrolein

Concen: 207.282 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.01 min

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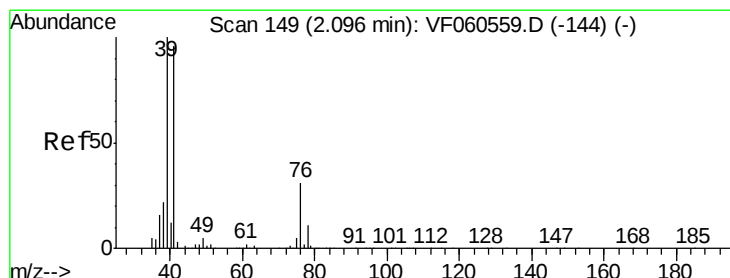
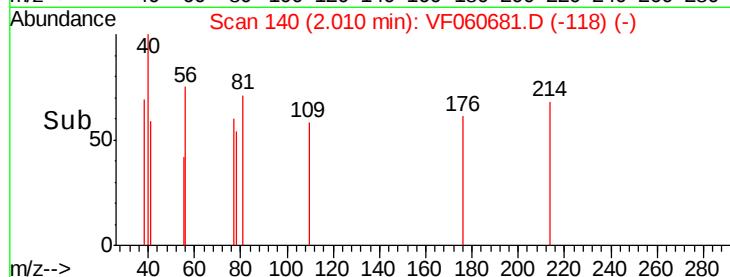
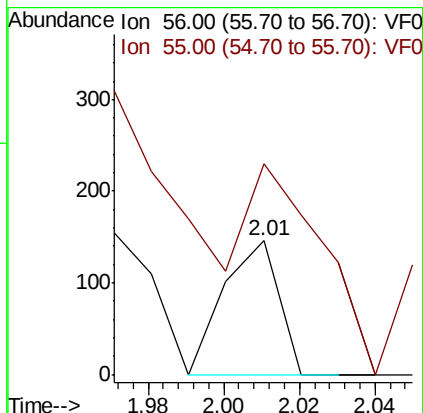
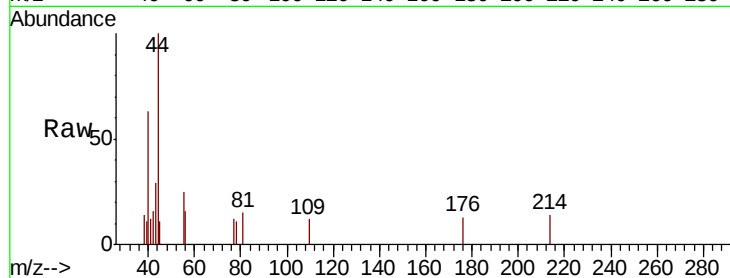
RT-3263RE

Tgt Ion: 56 Resp: 146

Ion Ratio Lower Upper

56 100

55 157.5 61.8 92.6#



#14

Allyl chloride

Concen: 37.504 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF060681.D

Acq: 9 Nov 2018 19:35

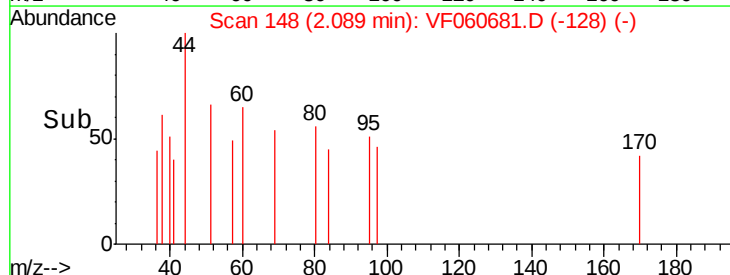
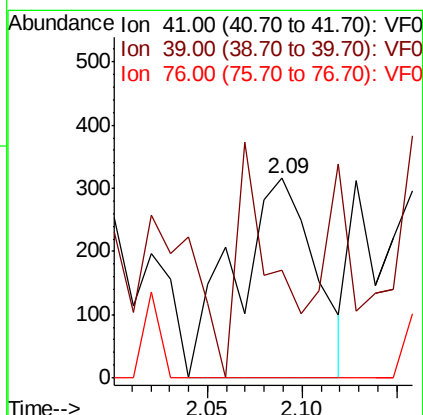
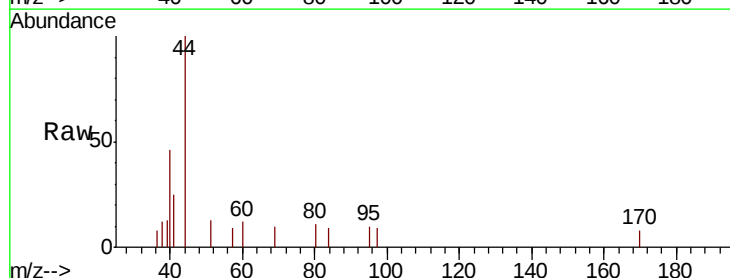
Tgt Ion: 41 Resp: 920

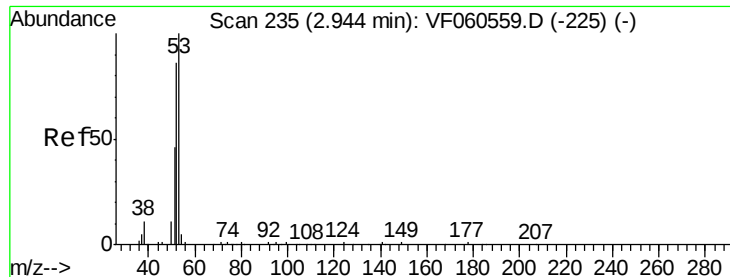
Ion Ratio Lower Upper

41 100

39 53.8 82.6 124.0#

76 0.0 26.7 40.1#





#15

Acrylonitrile

Concen: 58.229 ug/l

RT: 2.90 min Scan# 230

Delta R.T. -0.05 min

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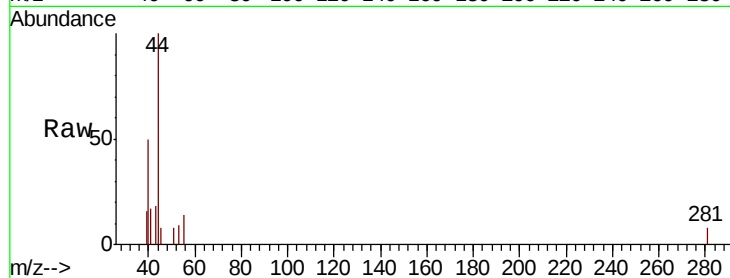
Tgt Ion: 53 Resp: 145

Ion Ratio Lower Upper

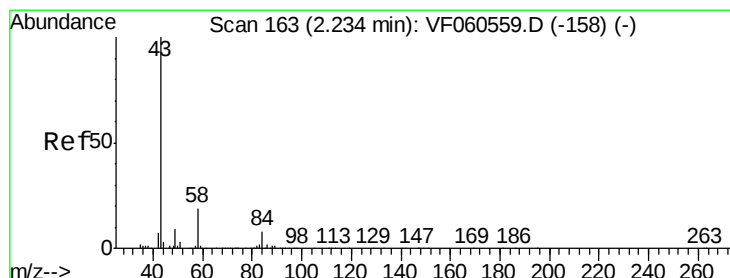
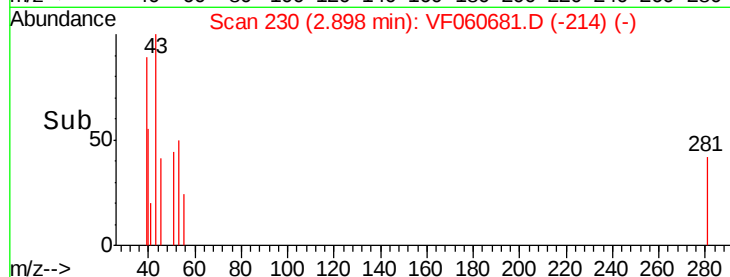
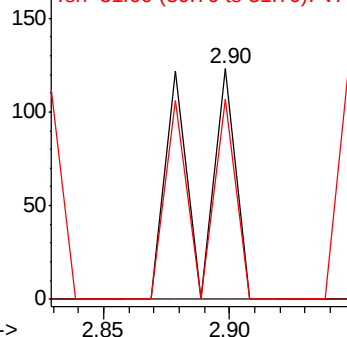
53 100

52 0.0 68.5 102.7#

51 87.0 38.2 57.2#



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: 43.261 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF060681.D

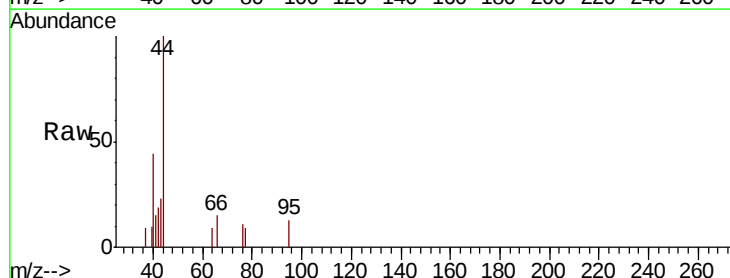
Acq: 9 Nov 2018 19:35

Tgt Ion: 43 Resp: 213

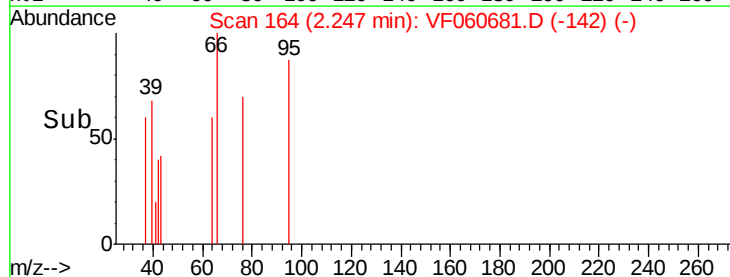
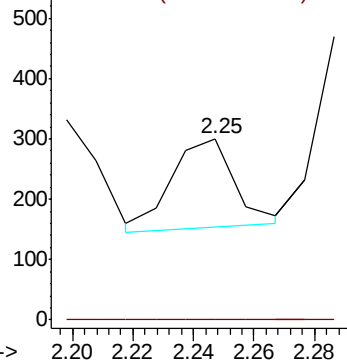
Ion Ratio Lower Upper

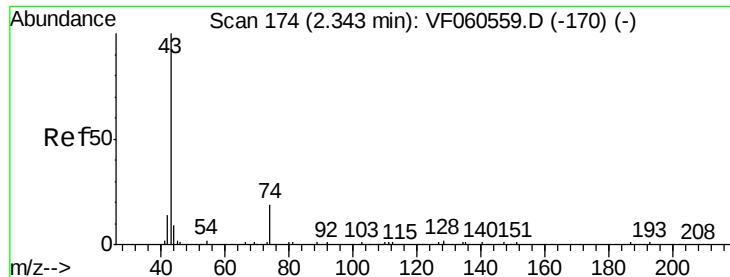
43 100

58 0.0 14.6 22.0#



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





#18

Methyl Acetate

Concen: 55.259 ug/l

RT: 2.36 min Scan# 175

Delta R.T. 0.01 min

Lab File: VF060681.D

Acq: 9 Nov 2018 19:35

Instrument :

MSVOA_F

ClientSampleId :

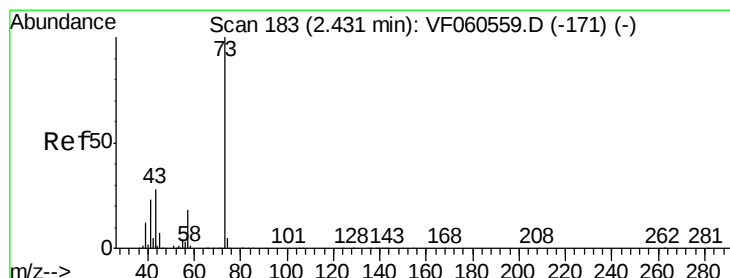
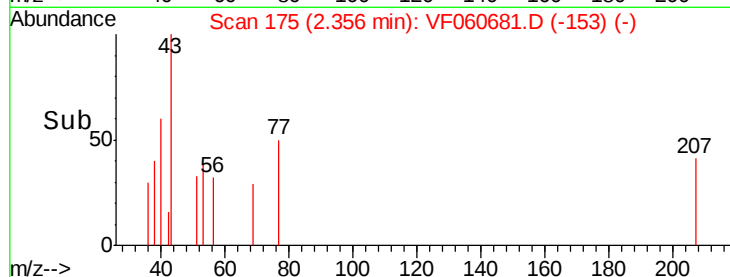
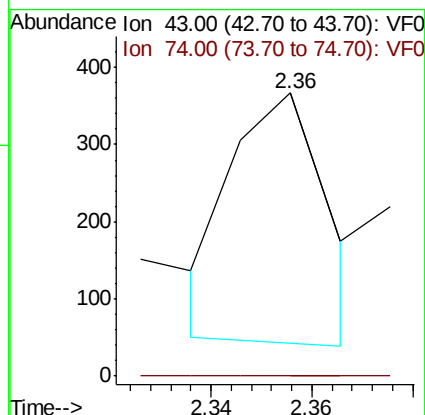
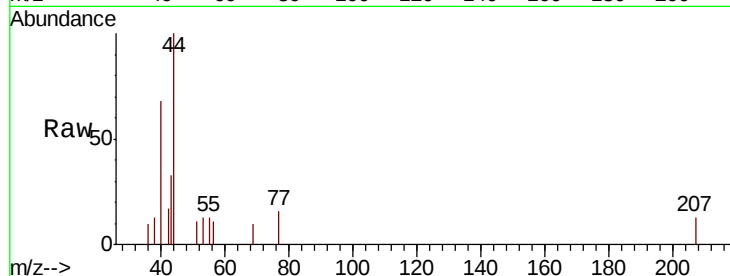
RT-3263RE

Tgt Ion: 43 Resp: 423

Ion Ratio Lower Upper

43 100

74 0.0 12.1 18.1#



#19

Methyl tert-butyl Ether

Concen: 1.794 ug/l

RT: 2.44 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF060681.D

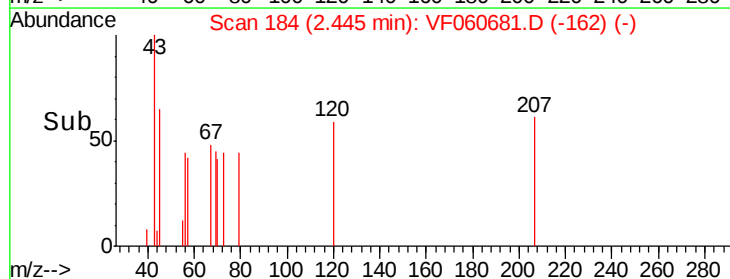
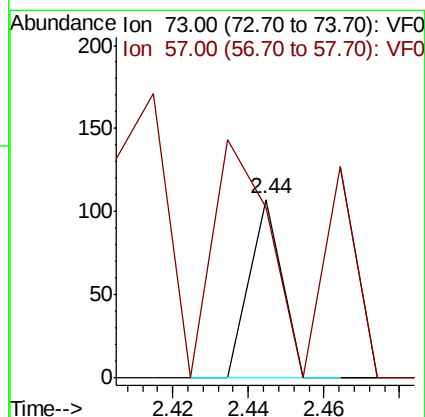
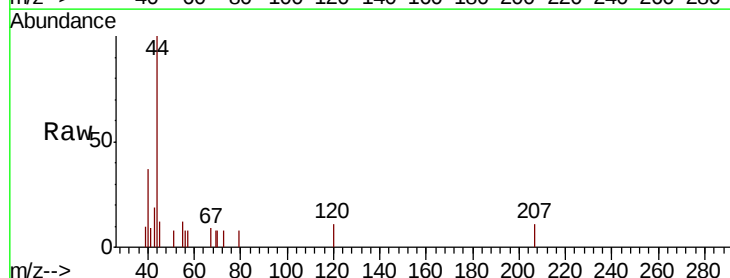
Acq: 9 Nov 2018 19:35

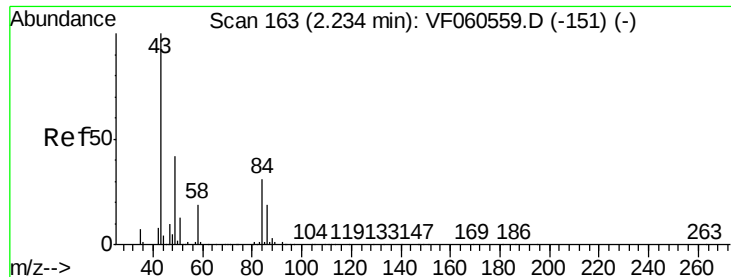
Tgt Ion: 73 Resp: 63

Ion Ratio Lower Upper

73 100

57 95.3 15.4 23.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.20 min Scan# 159

Delta R.T. -0.04 min

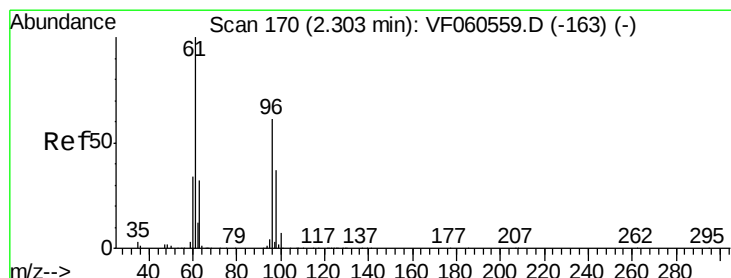
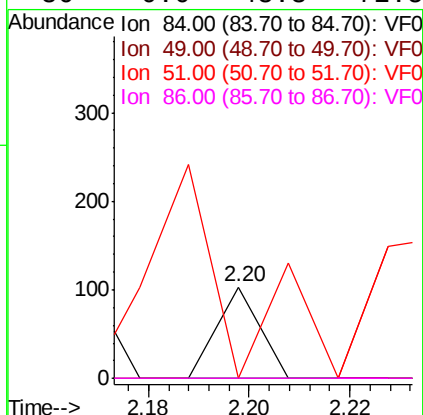
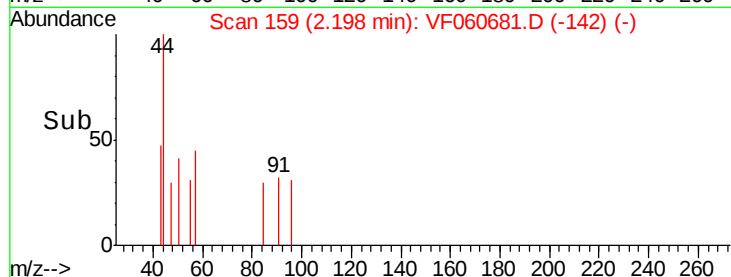
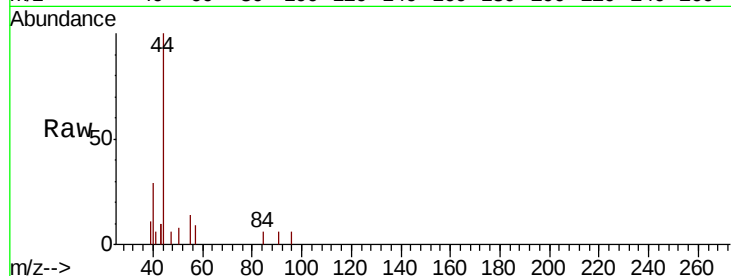
Lab File: VF060681.D

Acq: 9 Nov 2018 19:35

Instrument :
MSVOA_F
ClientSampleId :
RT-3263RE

Tgt Ion: 84 Resp: 61

Ion	Ratio	Lower	Upper
84	100		
49	0.0	109.9	164.9#
51	0.0	35.8	53.8#
86	0.0	48.3	72.5#



#21

trans-1,2-Dichloroethene

Concen: 11.484 ug/l

RT: 2.28 min Scan# 167

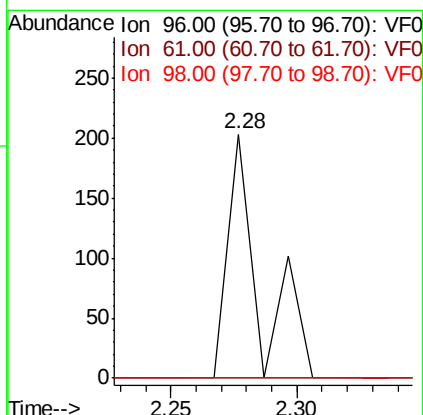
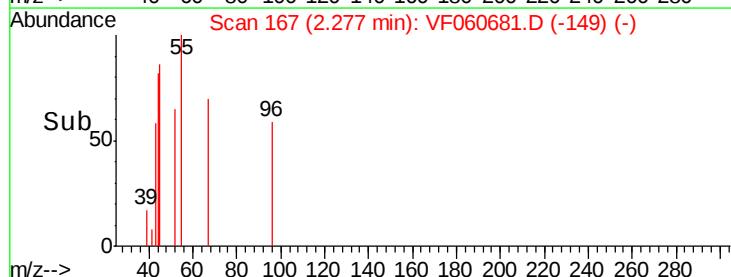
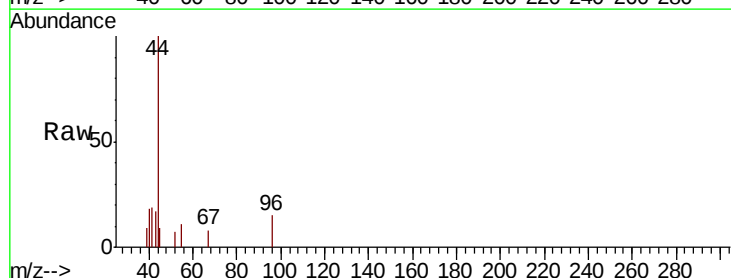
Delta R.T. -0.03 min

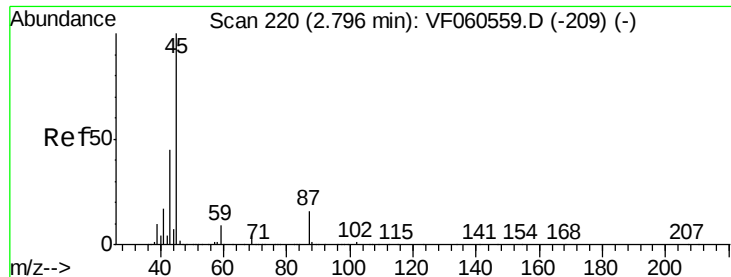
Lab File: VF060681.D

Acq: 9 Nov 2018 19:35

Tgt Ion: 96 Resp: 181

Ion	Ratio	Lower	Upper
96	100		
61	0.0	131.3	196.9#
98	0.0	48.6	73.0#





#22

Diisopropyl ether

Concen: 8.062 ug/l

RT: 2.77 min Scan# 217

Delta R.T. -0.03 min

Lab File: VF060681.D

Acq: 9 Nov 2018 19:35

Instrument :

MSVOA_F

ClientSampled :

RT-3263RE

Tgt Ion: 45 Resp: 419

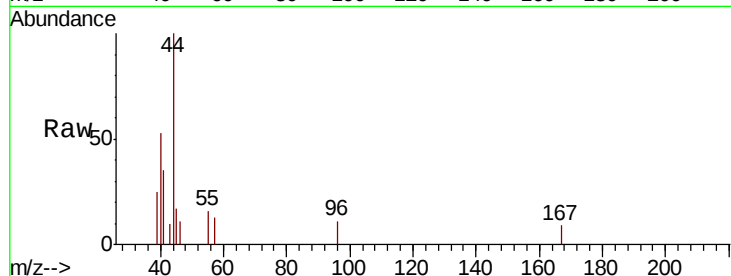
Ion Ratio Lower Upper

45 100

43 57.7 38.1 57.1#

87 0.0 12.7 19.1#

59 0.0 7.0 10.4#



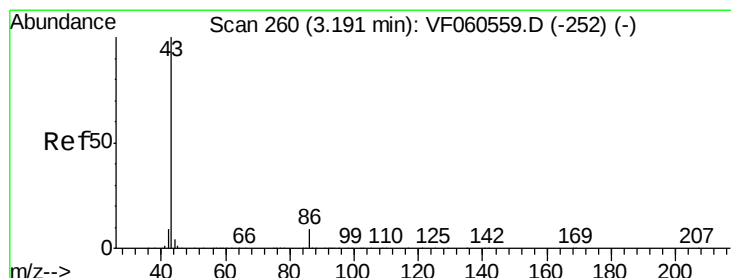
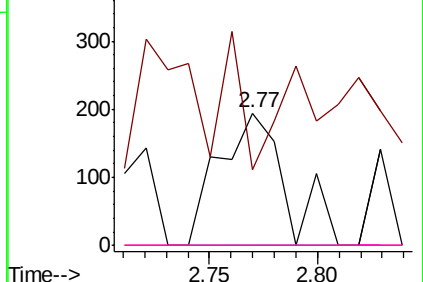
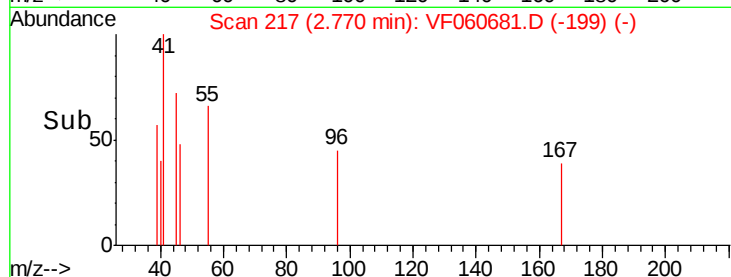
Abundance Ion 45.00 (44.70 to 45.70): VF0

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

Time-->



#23

Vinyl Acetate

Concen: 14.699 ug/l

RT: 3.20 min Scan# 261

Delta R.T. 0.01 min

Lab File: VF060681.D

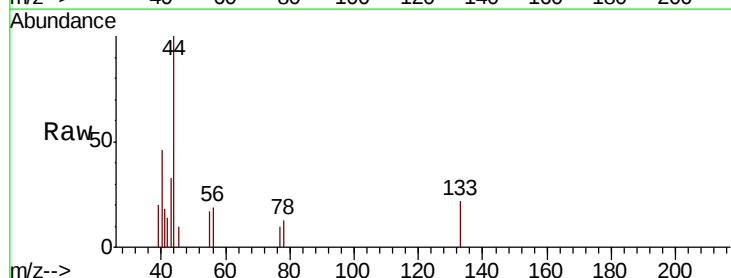
Acq: 9 Nov 2018 19:35

Tgt Ion: 43 Resp: 459

Ion Ratio Lower Upper

43 100

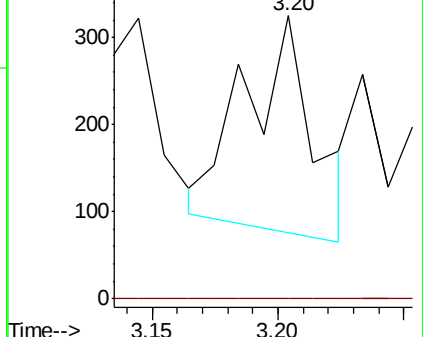
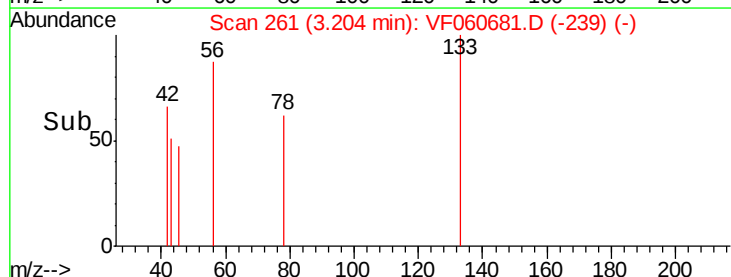
86 0.0 7.1 10.7#

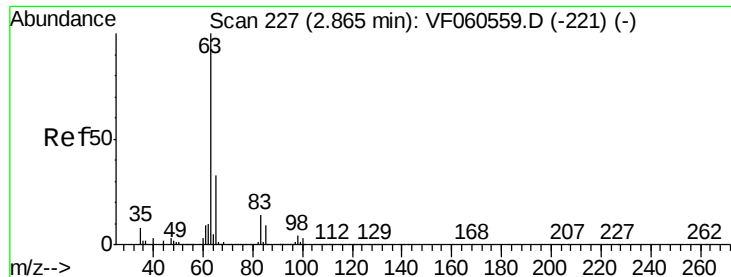


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

Time-->





#24

1,1-Dichloroethane

Concen: 2.992 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.09 min

Lab File: VF060681.D

Acq: 9 Nov 2018 19:35

Instrument :

MSVOA_F

ClientSampleId :

RT-3263RE

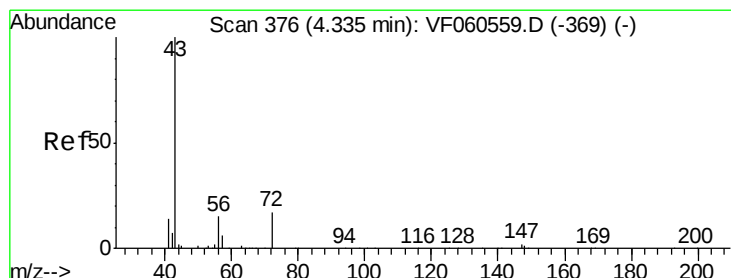
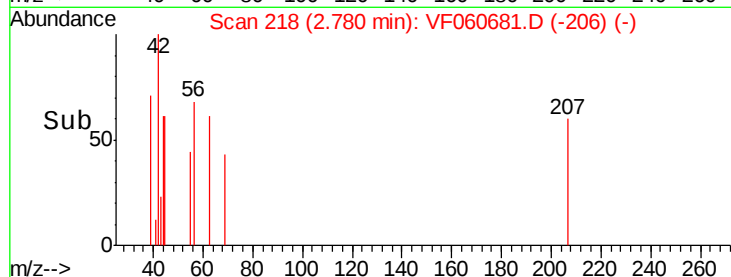
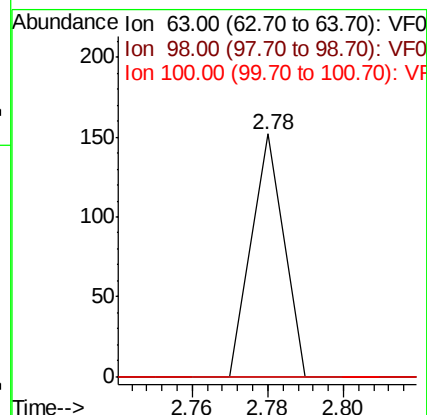
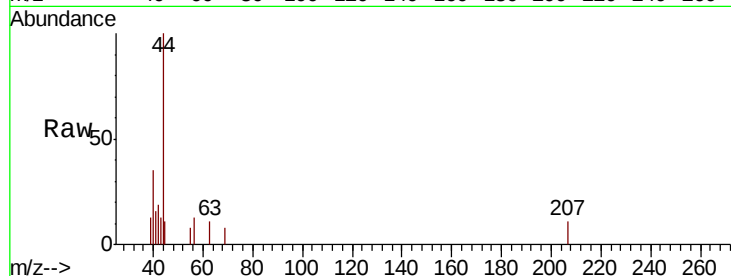
Tgt Ion: 63 Resp: 90

Ion Ratio Lower Upper

63 100

98 0.0 2.2 6.6#

100 0.0 1.4 4.0#



#25

2-Butanone

Concen: 46.837 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF060681.D

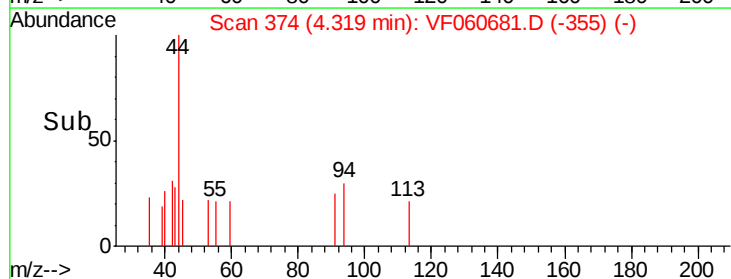
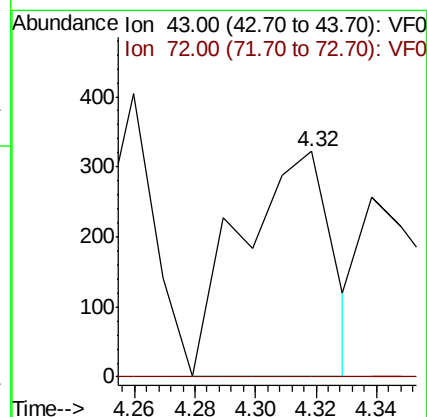
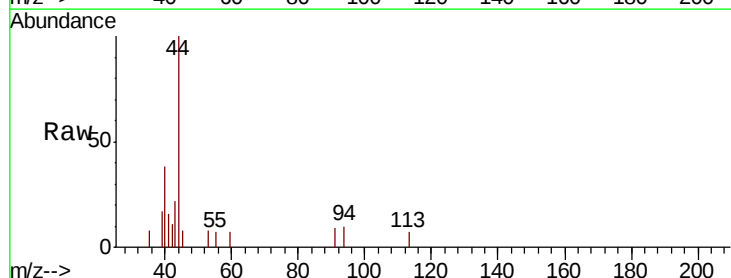
Acq: 9 Nov 2018 19:35

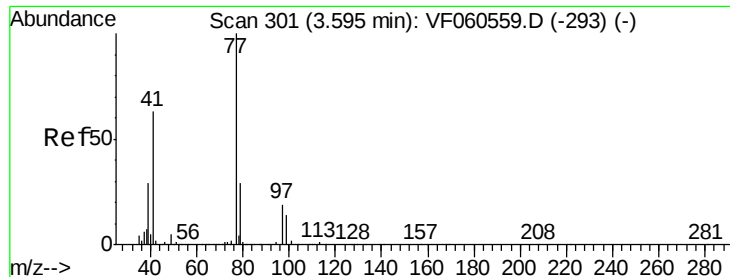
Tgt Ion: 43 Resp: 675

Ion Ratio Lower Upper

43 100

72 0.0 16.2 24.2#





#26

2,2-Dichloropropane

Concen: 2.888 ug/l

RT: 3.65 min Scan# 306

Delta R.T. 0.05 min

Lab File: VF060681.D

Acq: 9 Nov 2018 19:35

Instrument :

MSVOA_F

ClientSampleId :

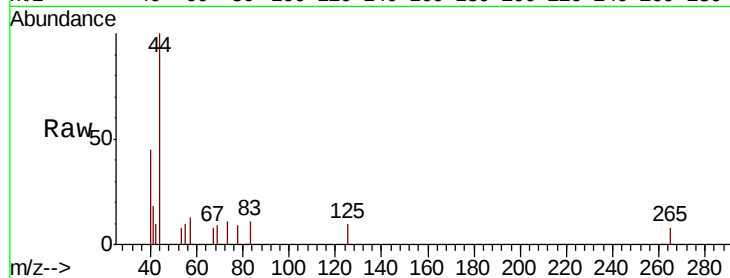
RT-3263RE

Tgt Ion: 77 Resp: 65

Ion Ratio Lower Upper

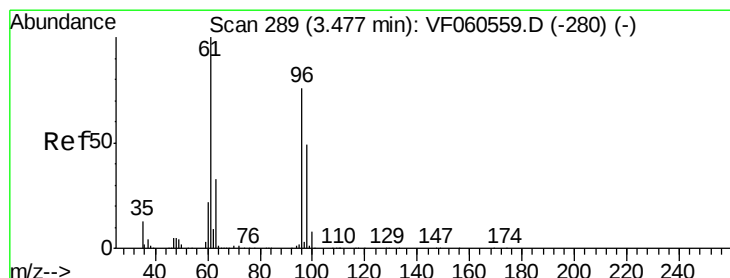
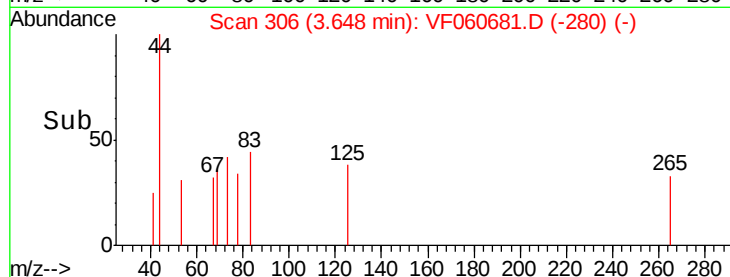
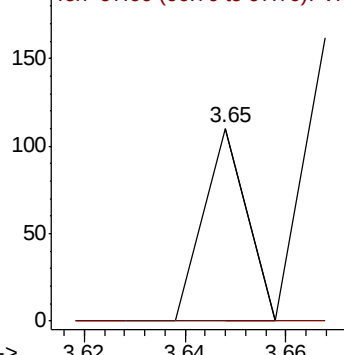
77 100

97 0.0 9.8 29.3#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



#27

cis-1,2-Dichloroethene

Concen: 4.985 ug/l

RT: 3.46 min Scan# 287

Delta R.T. -0.02 min

Lab File: VF060681.D

Acq: 9 Nov 2018 19:35

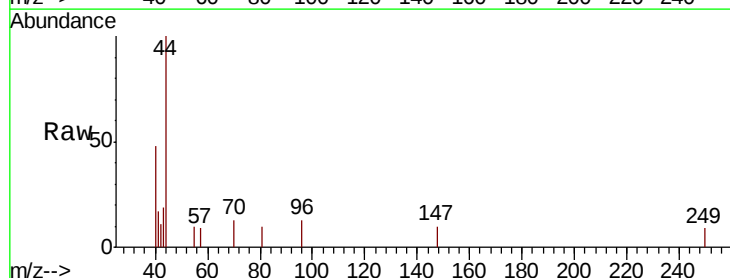
Tgt Ion: 96 Resp: 150

Ion Ratio Lower Upper

96 100

61 0.0 0.0 263.0

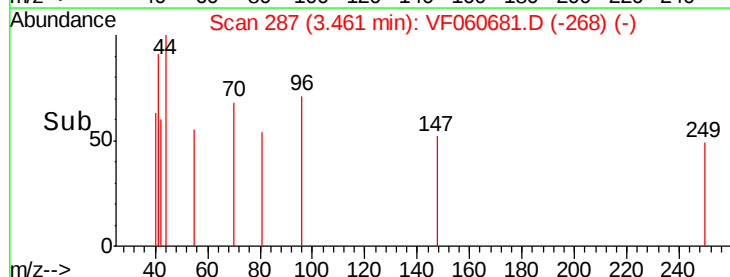
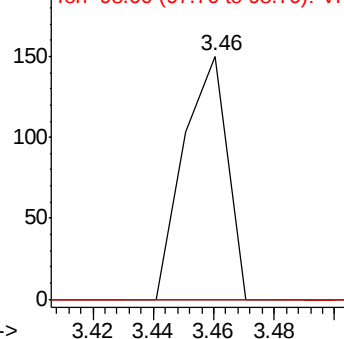
98 0.0 0.0 130.6

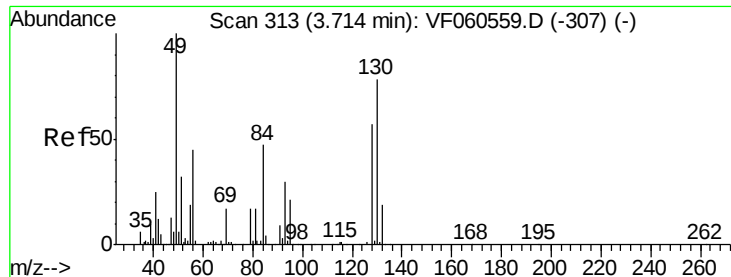


Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#28

Bromochloromethane

Concen: 3.443 ug/l

RT: 3.78 min Scan# 319

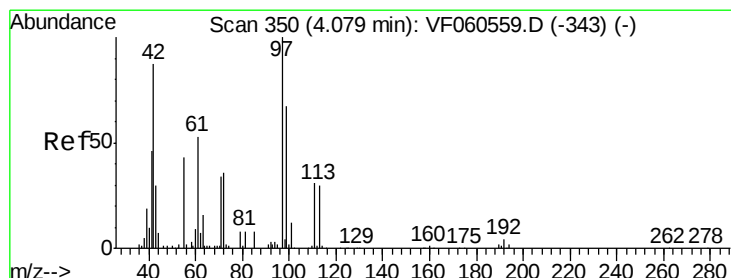
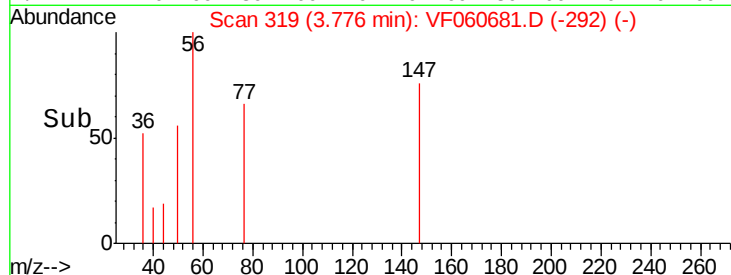
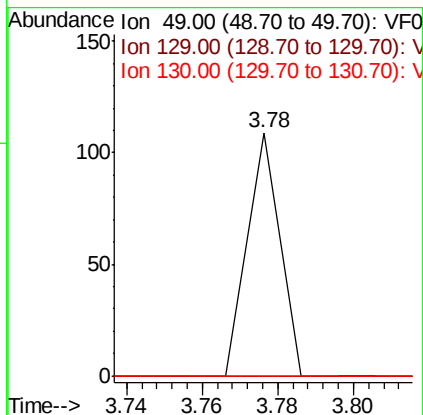
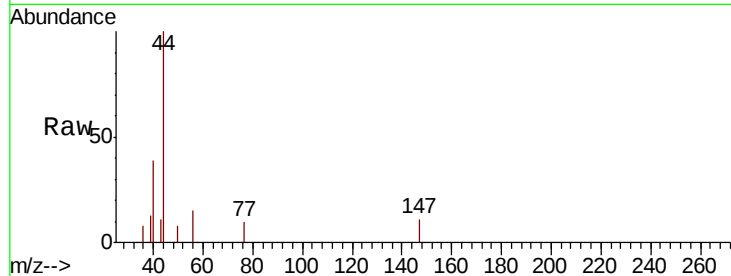
Delta R.T. 0.06 min

Lab File: VF060681.D

Acq: 9 Nov 2018 19:35

Instrument :
MSVOA_F
ClientSampleId :
RT-3263RE

Tgt Ion: 49 Resp: 65
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 61.8 92.8#



#29

Tetrahydrofuran

Concen: 42.995 ug/l

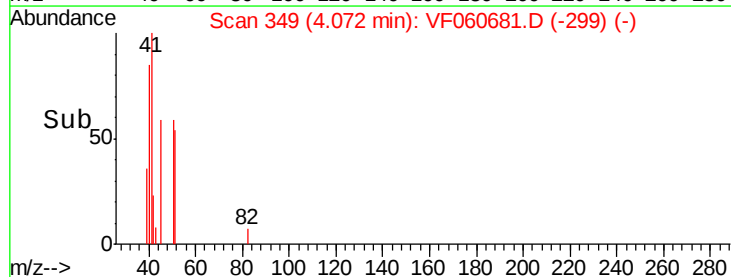
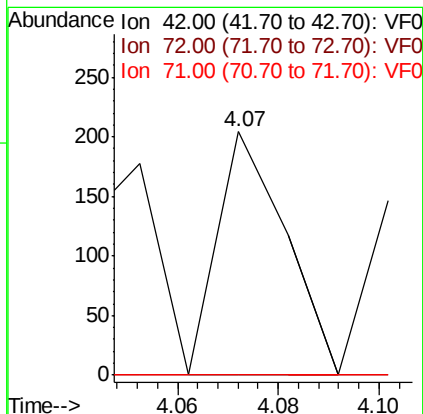
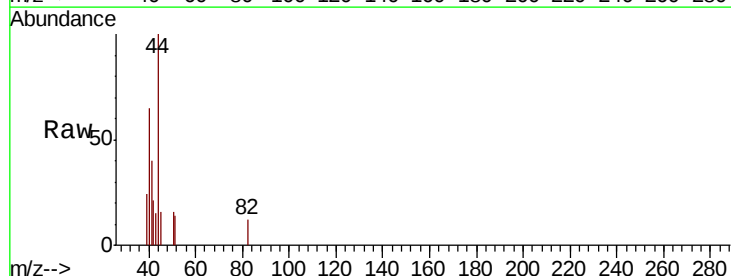
RT: 4.07 min Scan# 349

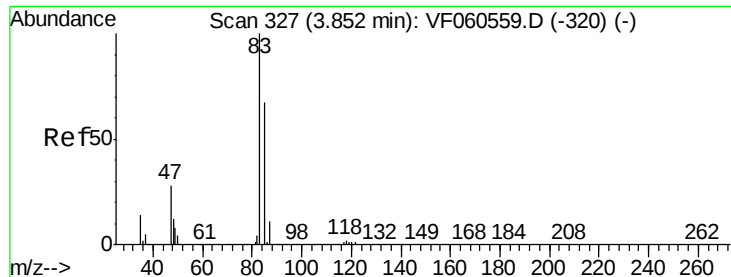
Delta R.T. -0.01 min

Lab File: VF060681.D

Acq: 9 Nov 2018 19:35

Tgt Ion: 42 Resp: 190
Ion Ratio Lower Upper
42 100
72 0.0 31.4 47.0#
71 0.0 31.8 47.6#





#30

Chloroform

Concen: 1.513 ug/l

RT: 3.94 min Scan# 336

Delta R.T. 0.09 min

Lab File: VF060681.D

Acq: 9 Nov 2018 19:35

Instrument :

MSVOA_F

ClientSampleId :

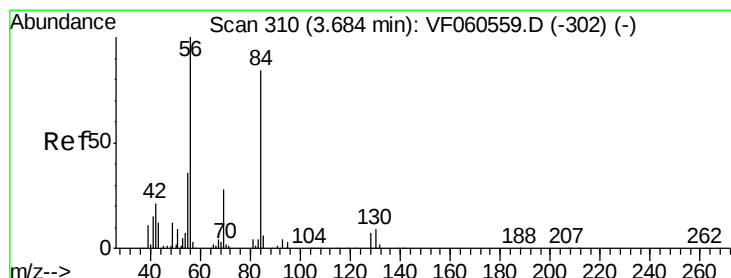
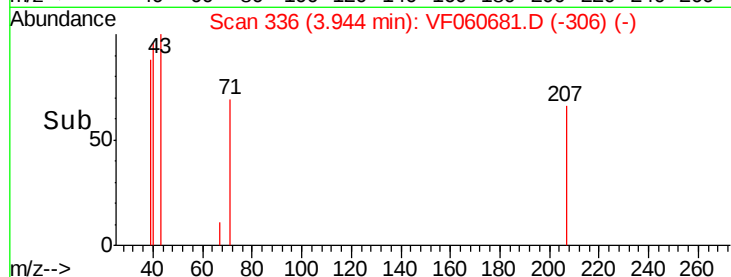
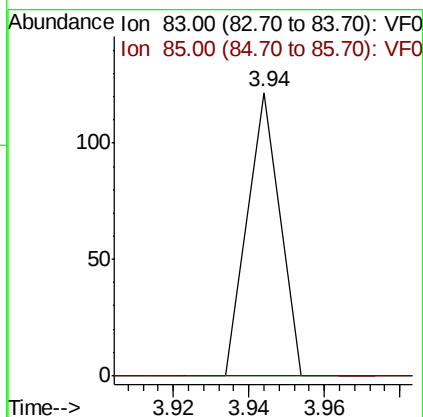
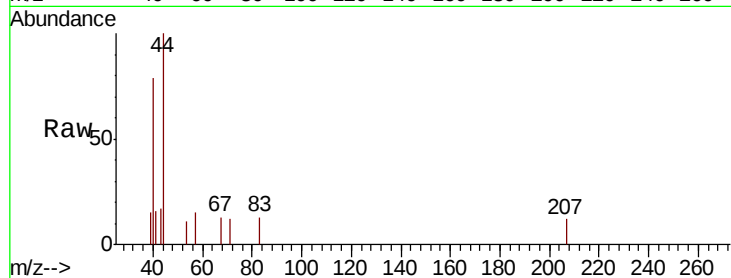
RT-3263RE

Tgt Ion: 83 Resp: 72

Ion Ratio Lower Upper

83 100

85 0.0 53.7 80.5#



#31

Cyclohexane

Concen: 1.542 ug/l

RT: 3.70 min Scan# 311

Delta R.T. 0.01 min

Lab File: VF060681.D

Acq: 9 Nov 2018 19:35

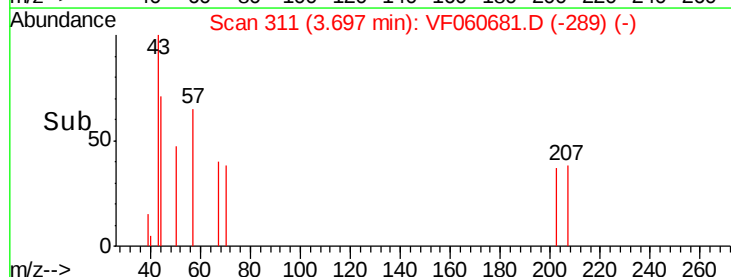
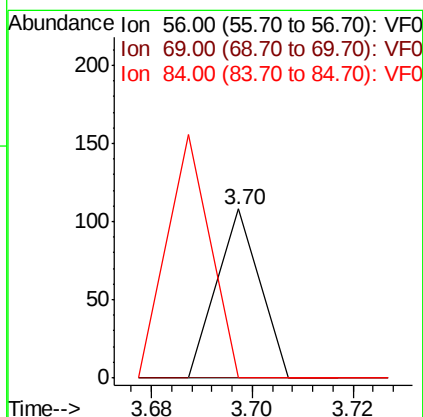
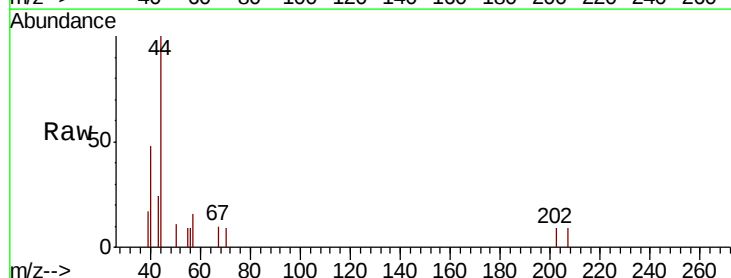
Tgt Ion: 56 Resp: 64

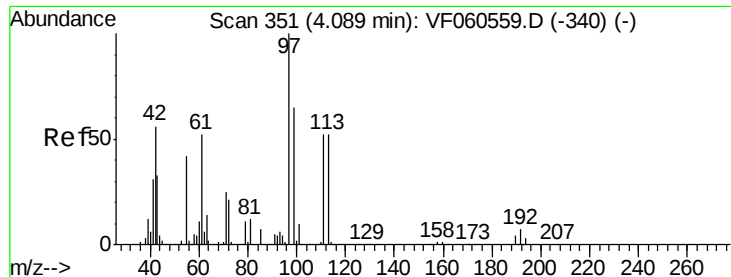
Ion Ratio Lower Upper

56 100

69 0.0 23.0 34.4#

84 0.0 67.1 100.7#





#32

1,1,1-Trichloroethane

Concen: 1.865 ug/l

RT: 4.10 min Scan# 352

Delta R.T. 0.01 min

Lab File: VF060681.D

Acq: 9 Nov 2018 19:35

Instrument :

MSVOA_F

ClientSampled :

RT-3263RE

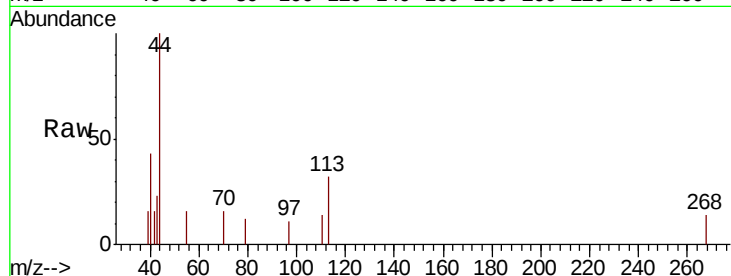
Tgt Ion: 97 Resp: 62

Ion Ratio Lower Upper

97 100

99 0.0 52.4 78.6#

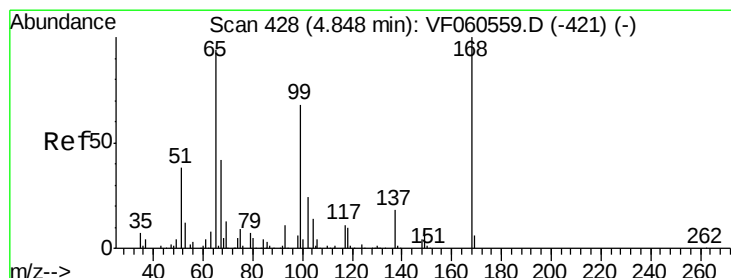
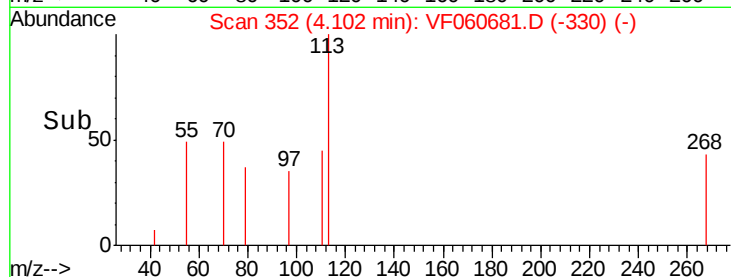
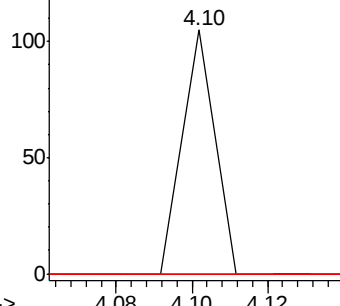
61 0.0 41.5 62.3#



Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 6.940 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.02 min

Lab File: VF060681.D

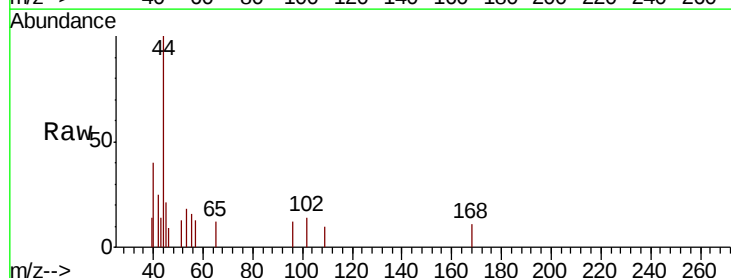
Acq: 9 Nov 2018 19:35

Tgt Ion: 65 Resp: 145

Ion Ratio Lower Upper

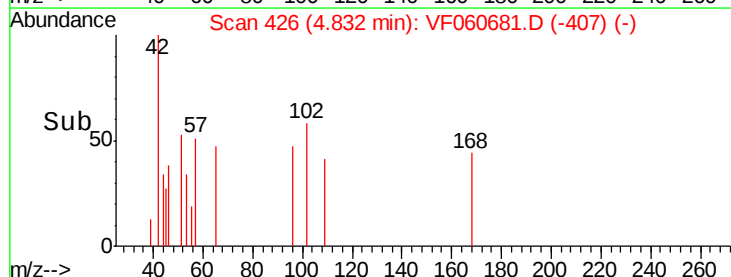
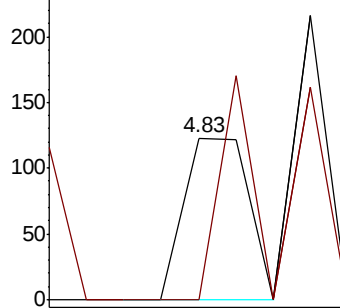
65 100

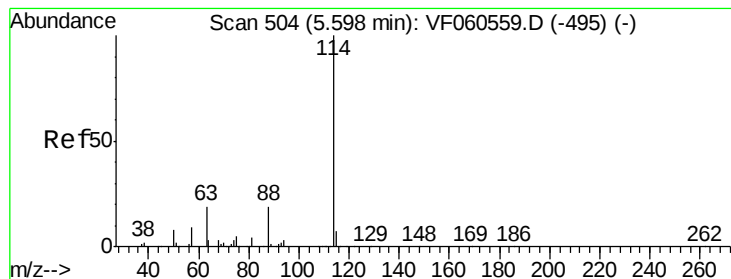
67 0.0 0.0 101.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.01 min

Lab File: VF060681.D

Acq: 9 Nov 2018 19:35

Instrument :

MSVOA_F

ClientSampleId :

RT-3263RE

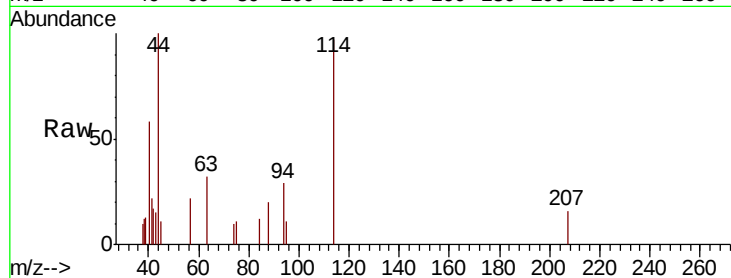
Tgt Ion:114 Resp: 2859

Ion Ratio Lower Upper

114 100

63 32.6 0.0 39.0

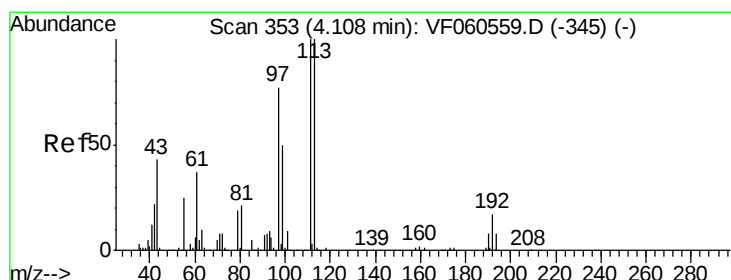
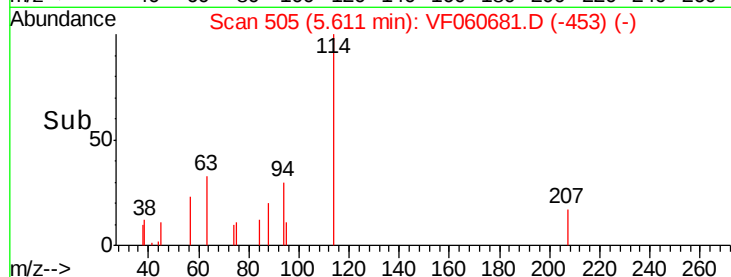
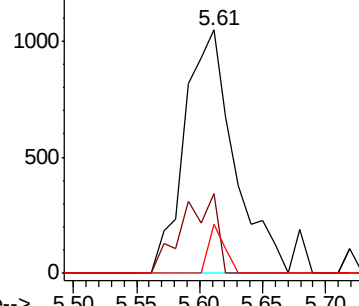
88 20.1 0.0 38.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 30.287 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF060681.D

Acq: 9 Nov 2018 19:35

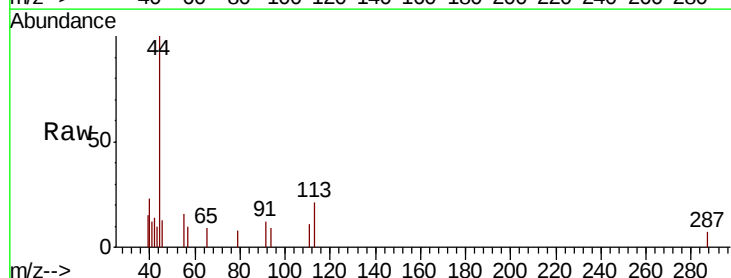
Tgt Ion:113 Resp: 669

Ion Ratio Lower Upper

113 100

111 51.5 79.9 119.9#

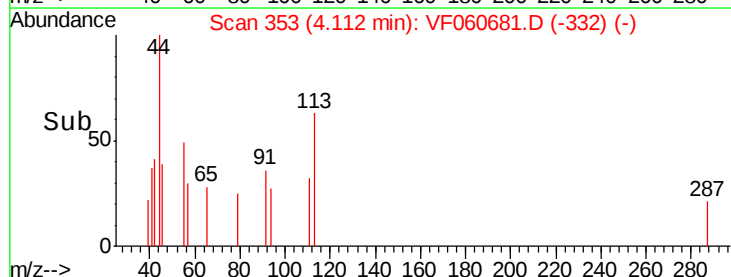
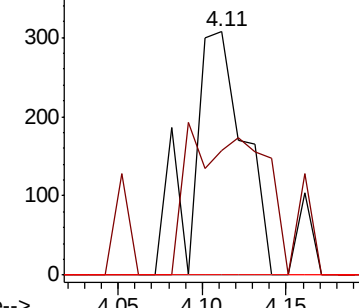
192 0.0 13.3 19.9#

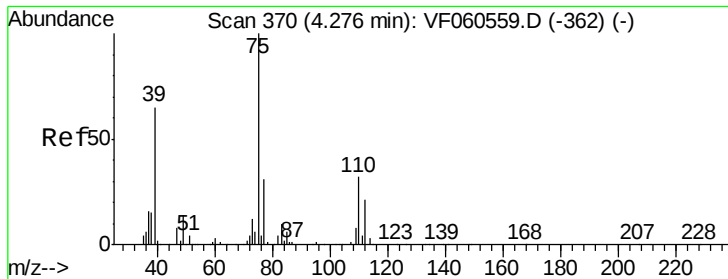


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#36

1,1-Dichloropropene

Concen: 2.128 ug/l

RT: 4.43 min Scan# 385

Delta R.T. 0.15 min

Lab File: VF060681.D

Acq: 9 Nov 2018 19:35

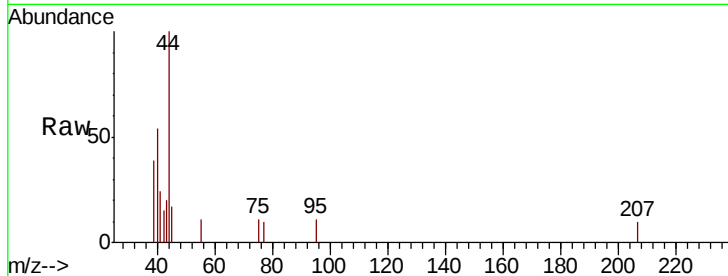
Instrument :

MSVOA_F

ClientSampleId :

RT-3263RE

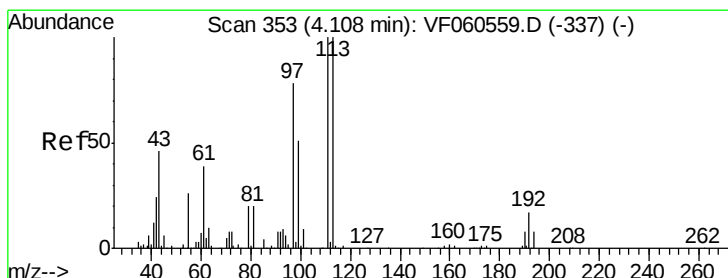
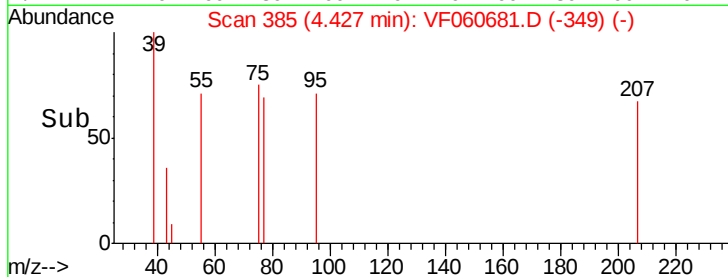
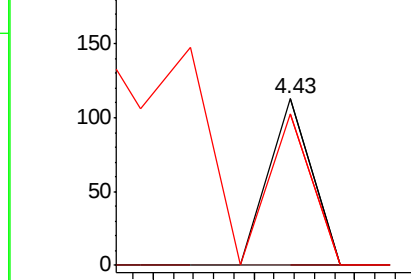
Tgt Ion:	75	Resp:	67
Ion	Ratio	Lower	Upper
75	100		
110	0.0	16.2	48.6#
77	91.2	25.0	37.6#



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: 51.815 ug/l

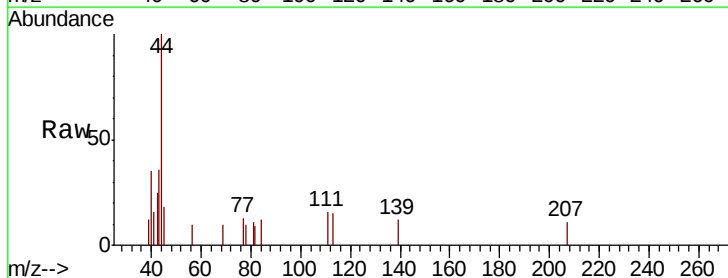
RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF060681.D

Acq: 9 Nov 2018 19:35

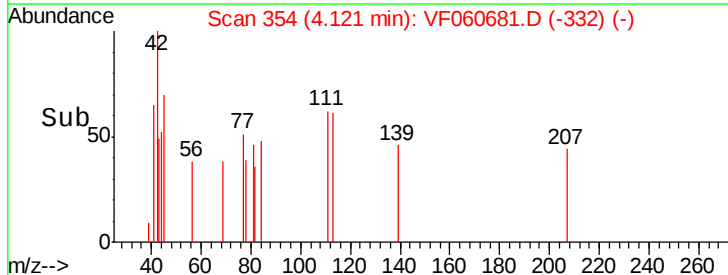
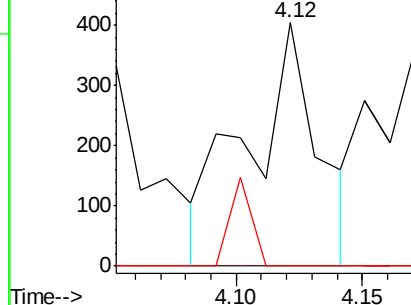
Tgt Ion:	43	Resp:	783
Ion	Ratio	Lower	Upper
43	100		
61	0.0	63.4	95.2#
70	0.0	9.3	13.9#

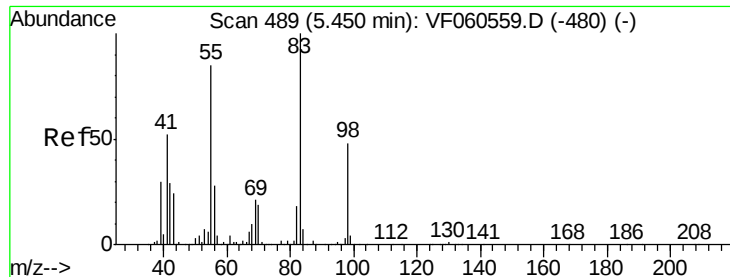


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

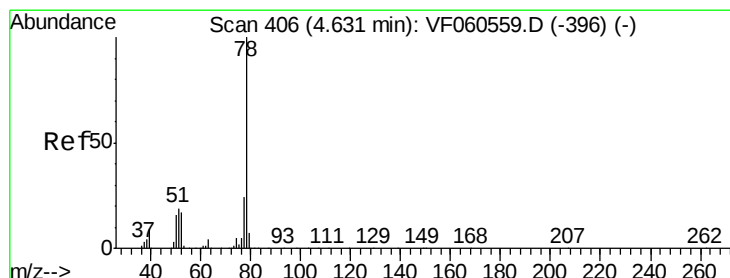
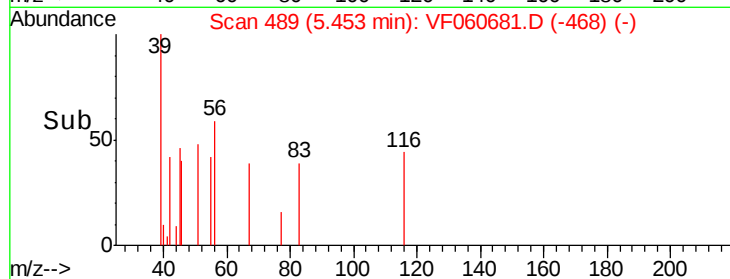
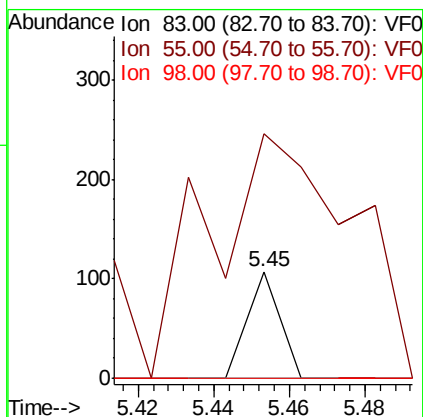
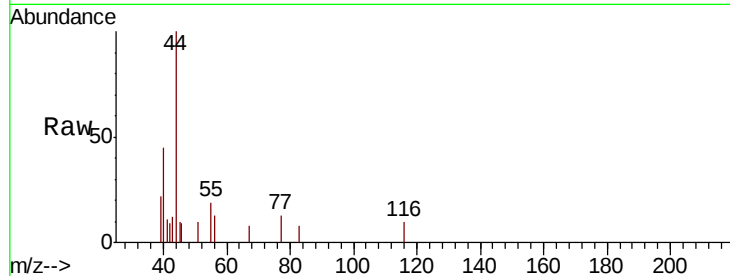




#39
Methylcyclohexane
Concen: 1.640 ug/l
RT: 5.45 min Scan# 489
Delta R.T. 0.00 min
Lab File: VF060681.D
Acq: 9 Nov 2018 19:35

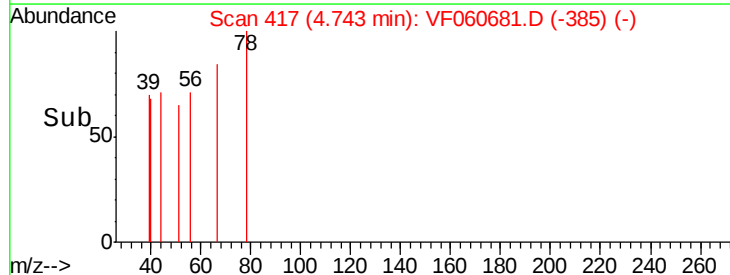
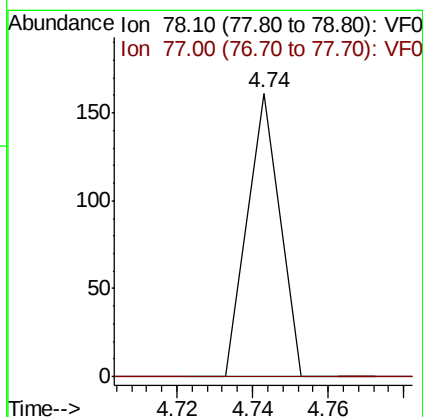
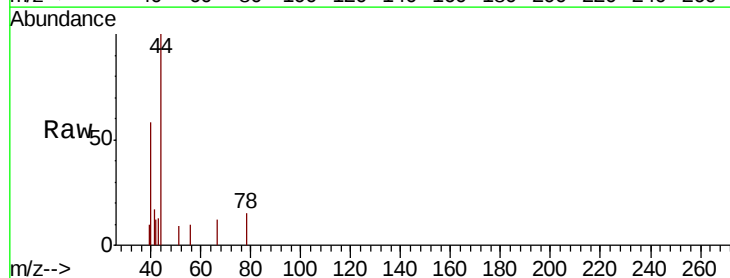
Instrument :
MSVOA_F
ClientSampleId :
RT-3263RE

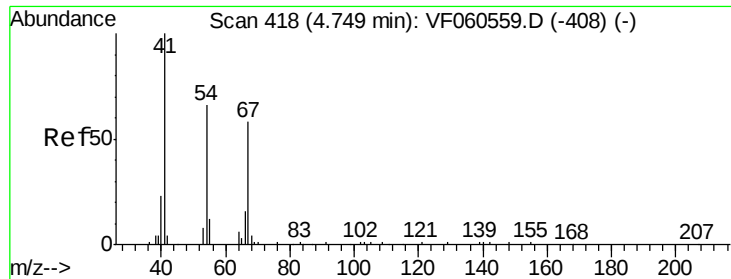
Tgt Ion: 83 Resp: 63
Ion Ratio Lower Upper
83 100
55 229.9 69.1 103.7#
98 0.0 38.6 57.8#



#40
Benzene
Concen: 1.243 ug/l
RT: 4.74 min Scan# 417
Delta R.T. 0.11 min
Lab File: VF060681.D
Acq: 9 Nov 2018 19:35

Tgt Ion: 78 Resp: 95
Ion Ratio Lower Upper
78 100
77 0.0 19.3 28.9#

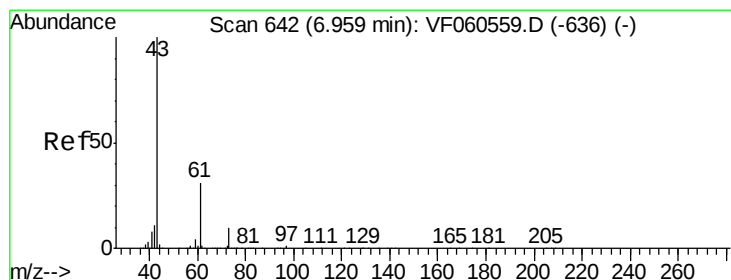
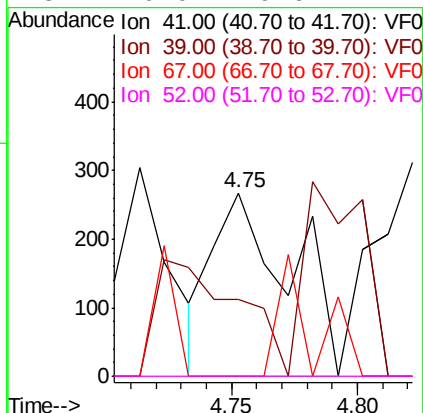
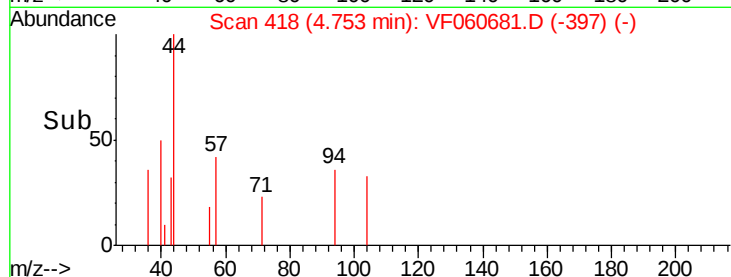
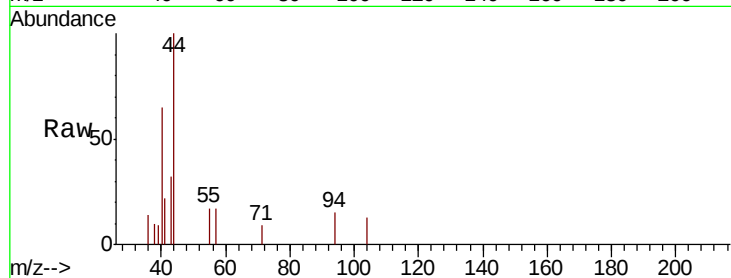




#41
Methacrylonitrile
Concen: 67.425 ug/l
RT: 4.75 min Scan# 418
Delta R.T. 0.00 min
Lab File: VF060681.D
Acq: 9 Nov 2018 19:35

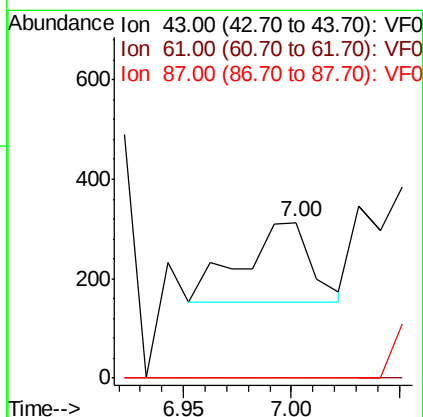
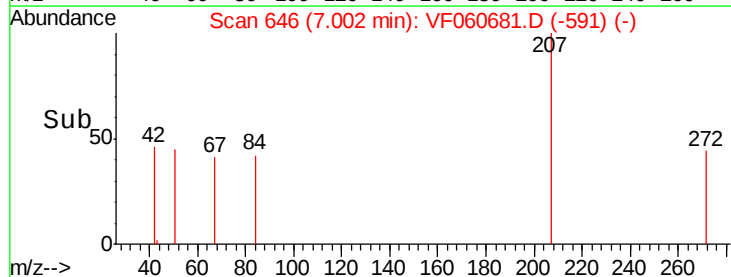
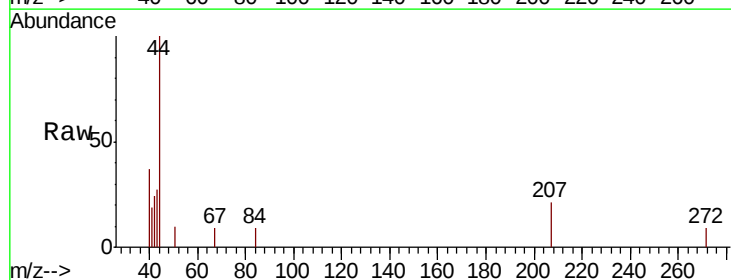
Instrument :
MSVOA_F
ClientSampleId :
RT-3263RE

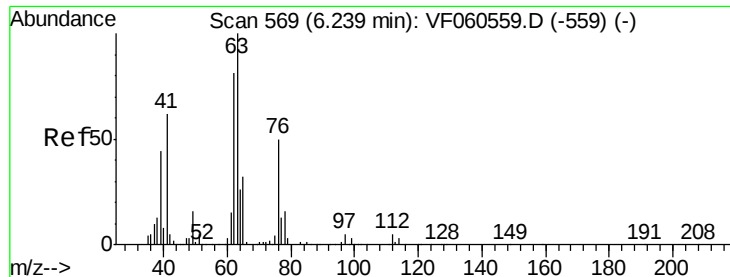
Tgt Ion: 41 Resp: 577
Ion Ratio Lower Upper
41 100
39 41.9 45.6 68.4#
67 0.0 45.3 67.9#
52 0.0 29.6 44.4#



#43
Isopropyl Acetate
Concen: 18.572 ug/l
RT: 7.00 min Scan# 646
Delta R.T. 0.04 min
Lab File: VF060681.D
Acq: 9 Nov 2018 19:35

Tgt Ion: 43 Resp: 355
Ion Ratio Lower Upper
43 100
61 0.0 24.2 36.2#
87 0.0 0.2 0.4#





#45

1,2-Dichloropropane

Concen: 3.633 ug/l

RT: 6.26 min Scan# 571

Delta R.T. 0.02 min

Lab File: VF060681.D

Acq: 9 Nov 2018 19:35

Instrument :

MSVOA_F

ClientSampled :

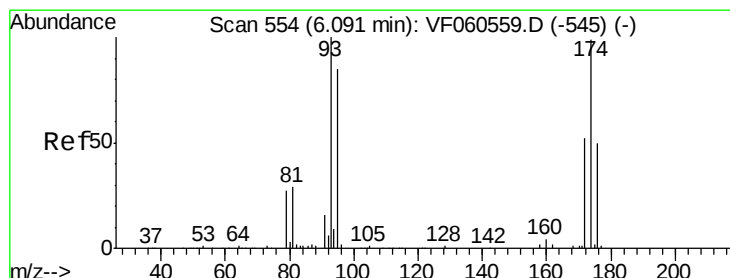
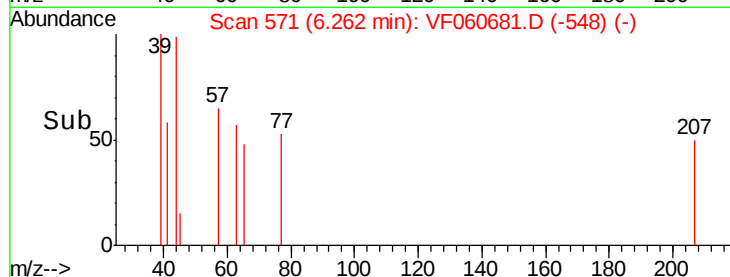
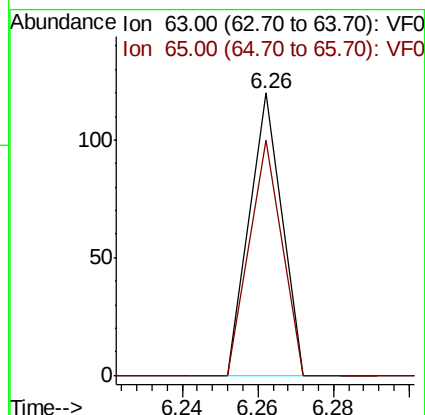
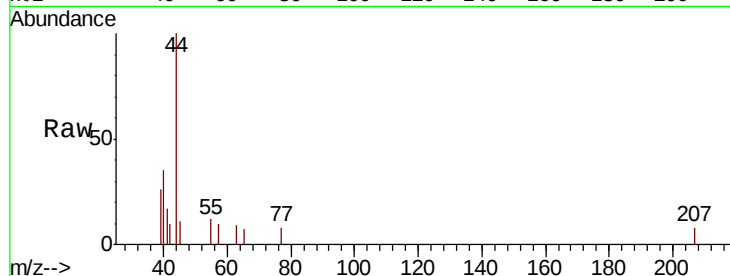
RT-3263RE

Tgt Ion: 63 Resp: 71

Ion Ratio Lower Upper

63 100

65 83.3 25.4 38.0#



#46

Dibromomethane

Concen: 11.453 ug/l

RT: 6.19 min Scan# 564

Delta R.T. 0.10 min

Lab File: VF060681.D

Acq: 9 Nov 2018 19:35

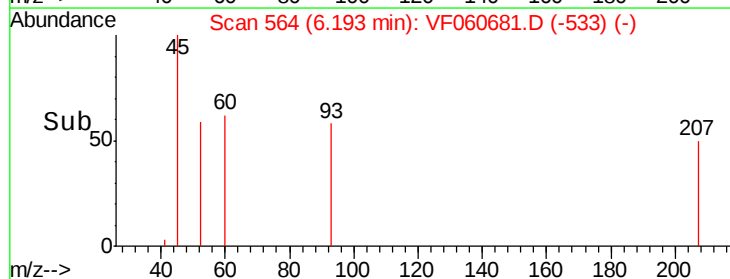
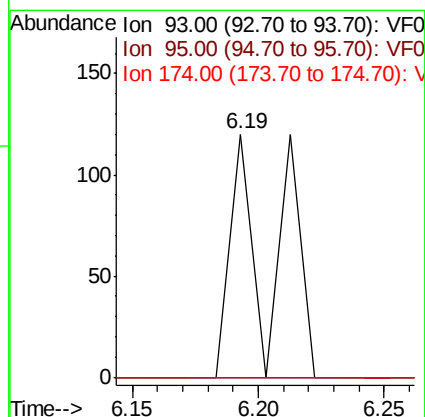
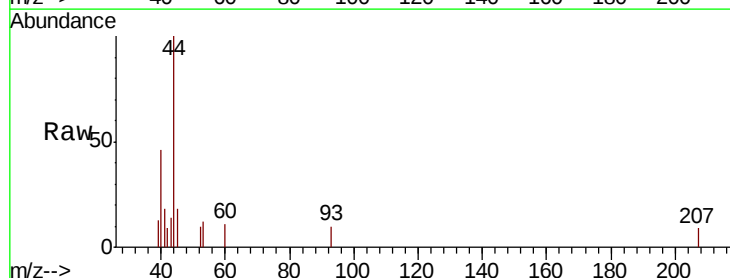
Tgt Ion: 93 Resp: 142

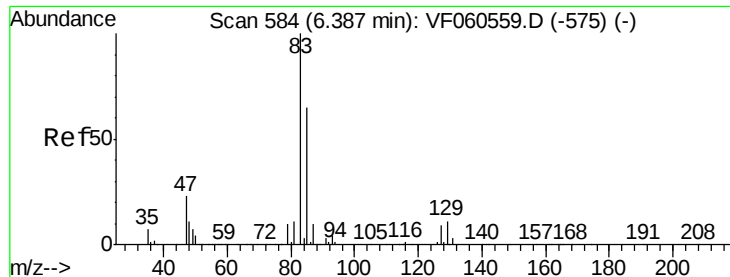
Ion Ratio Lower Upper

93 100

95 0.0 68.6 102.8#

174 0.0 79.0 118.4#





#47

Bromodichloromethane

Concen: 2.040 ug/l

RT: 6.41 min Scan# 586

Delta R.T. 0.02 min

Lab File: VF060681.D

Acq: 9 Nov 2018 19:35

Instrument :

MSVOA_F

ClientSampleId :

RT-3263RE

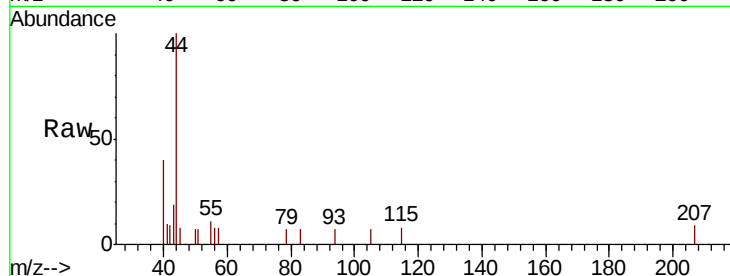
Tgt Ion: 83 Resp: 61

Ion Ratio Lower Upper

83 100

85 0.0 51.8 77.6#

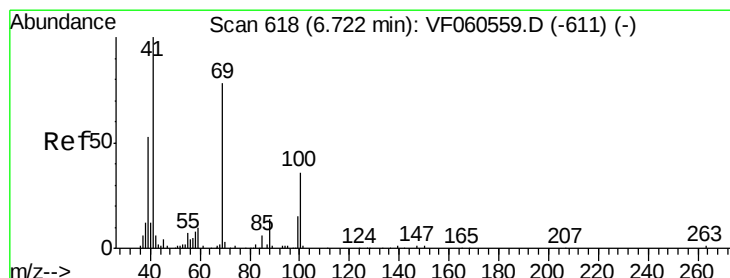
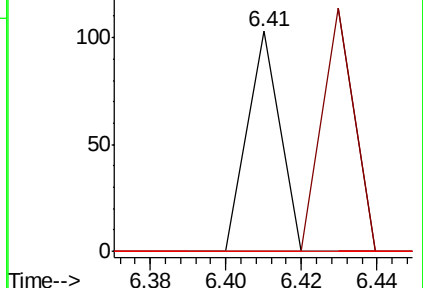
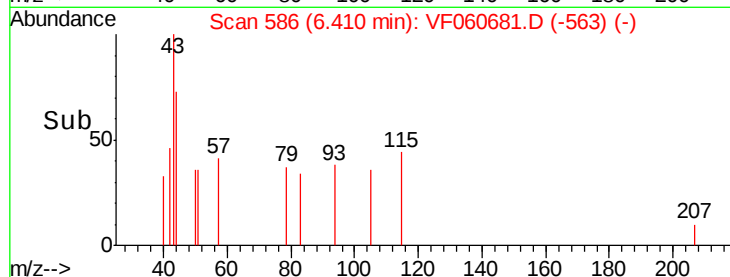
127 0.0 7.0 10.4#



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: 87.570 ug/l

RT: 6.77 min Scan# 622

Delta R.T. 0.04 min

Lab File: VF060681.D

Acq: 9 Nov 2018 19:35

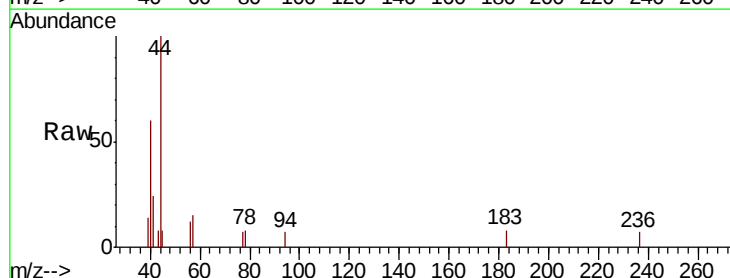
Tgt Ion: 41 Resp: 1052

Ion Ratio Lower Upper

41 100

69 0.0 61.1 91.7#

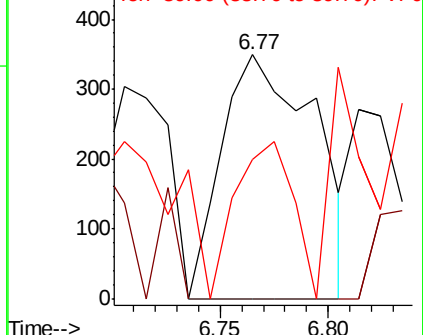
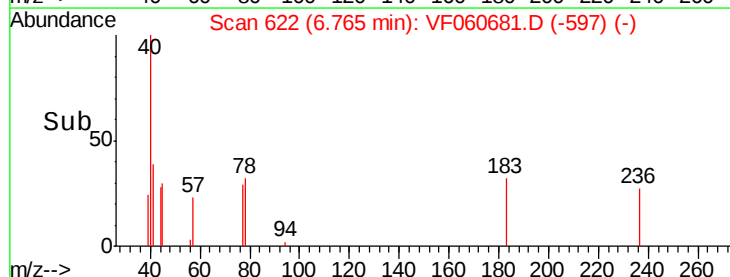
39 57.0 43.0 64.6

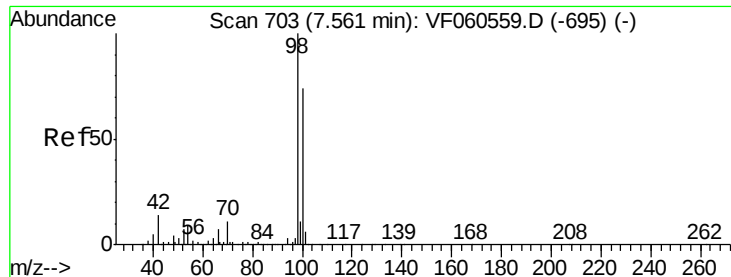


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#50

Toluene-d8

Concen: 37.596 ug/l

RT: 7.57 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF060681.D

Acq: 9 Nov 2018 19:35

Instrument :

MSVOA_F

ClientSampleId :

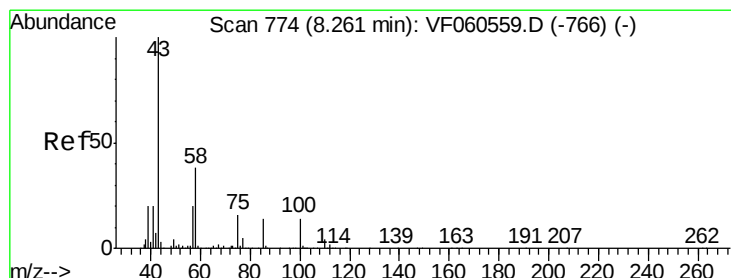
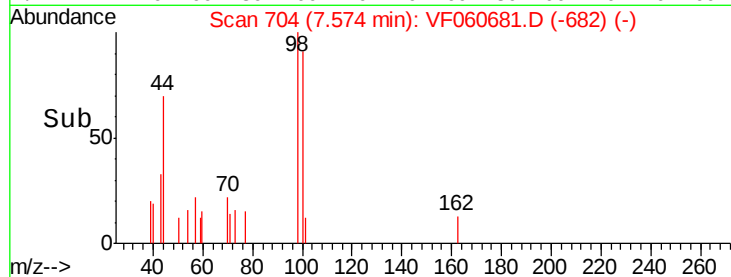
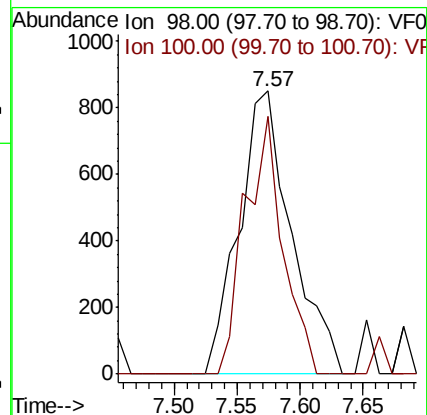
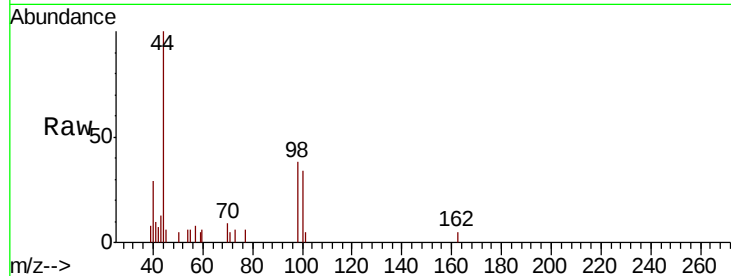
RT-3263RE

Tgt Ion: 98 Resp: 2460

Ion Ratio Lower Upper

98 100

100 91.0 59.4 89.2#



#51

4-Methyl-2-Pentanone

Concen: 75.697 ug/l

RT: 8.29 min Scan# 777

Delta R.T. 0.03 min

Lab File: VF060681.D

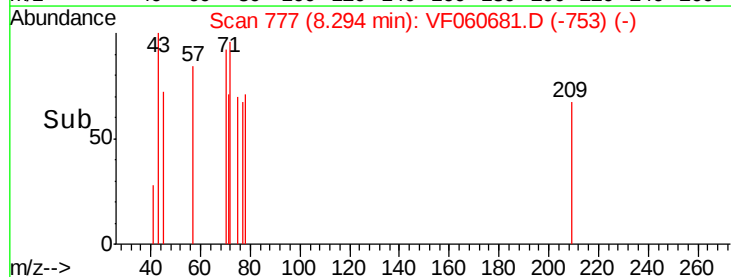
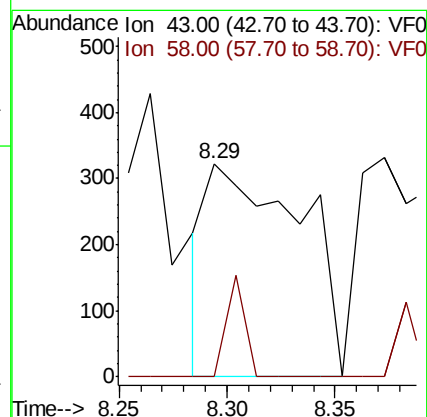
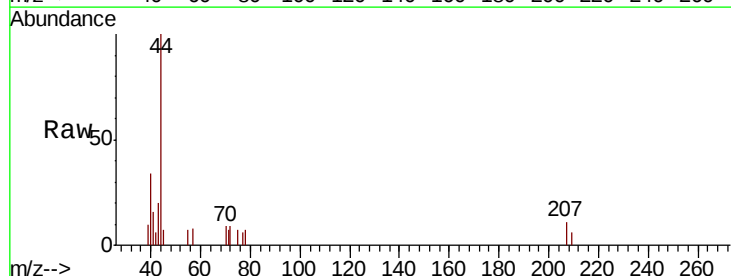
Acq: 9 Nov 2018 19:35

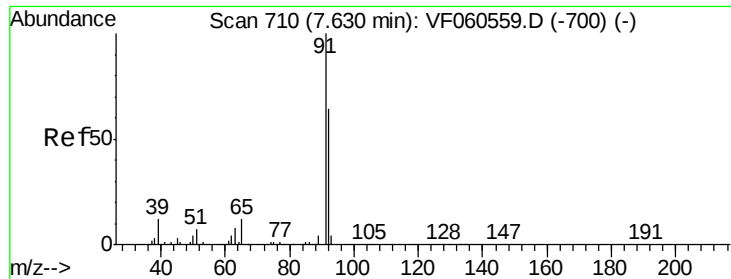
Tgt Ion: 43 Resp: 973

Ion Ratio Lower Upper

43 100

58 0.0 30.1 45.1#





#52

Toluene

Concen: 1.346 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.00 min

Lab File: VF060681.D

Acq: 9 Nov 2018 19:35

Instrument :

MSVOA_F

ClientSampleId :

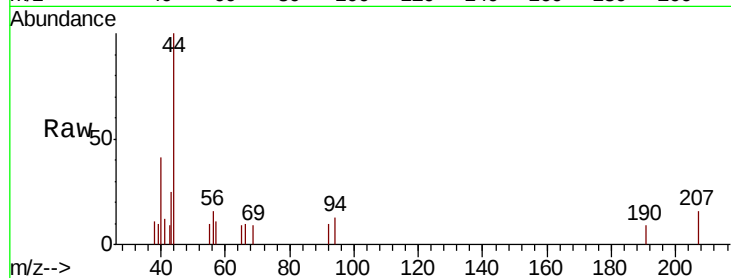
RT-3263RE

Tgt Ion: 92 Resp: 67

Ion Ratio Lower Upper

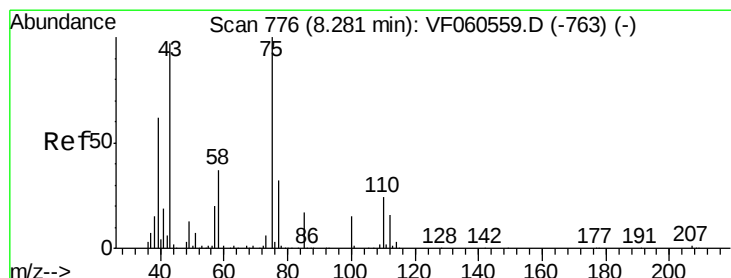
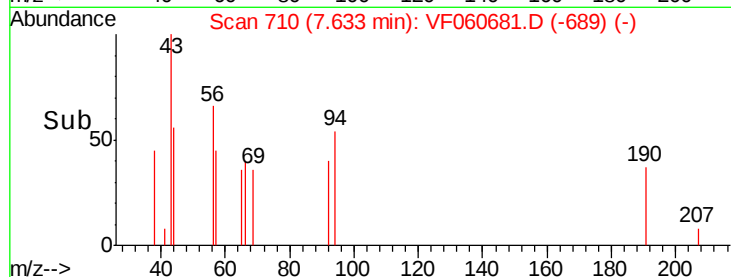
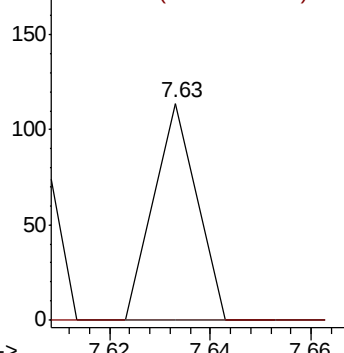
92 100

91 0.0 124.5 186.7#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#53

t-1,3-Dichloropropene

Concen: 2.501 ug/l

RT: 8.29 min Scan# 777

Delta R.T. 0.01 min

Lab File: VF060681.D

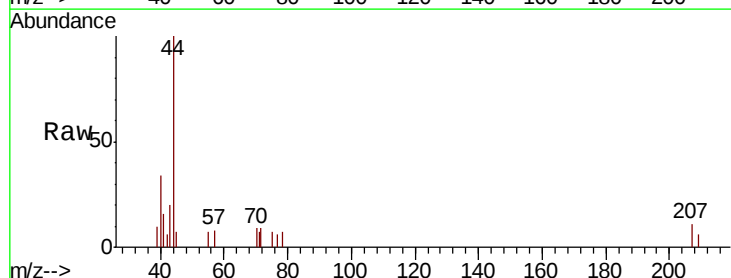
Acq: 9 Nov 2018 19:35

Tgt Ion: 75 Resp: 65

Ion Ratio Lower Upper

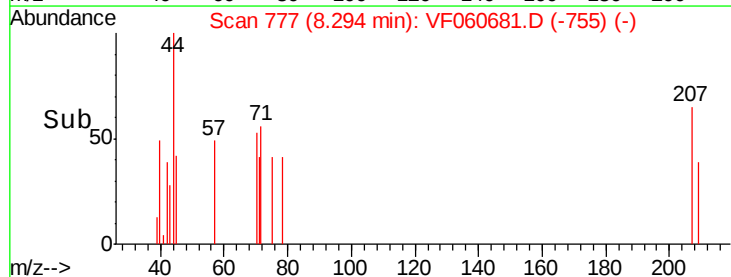
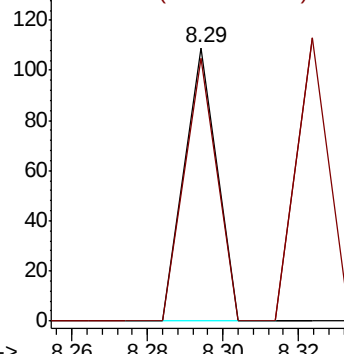
75 100

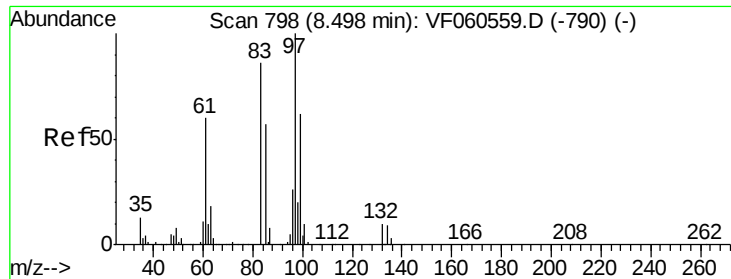
77 96.3 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#55

1,1,2-Trichloroethane

Concen: 4.971 ug/l

RT: 8.53 min Scan# 801

Delta R.T. 0.03 min

Lab File: VF060681.D

Acq: 9 Nov 2018 19:35

Instrument :

MSVOA_F

ClientSampleId :

RT-3263RE

Tgt Ion: 97 Resp: 72

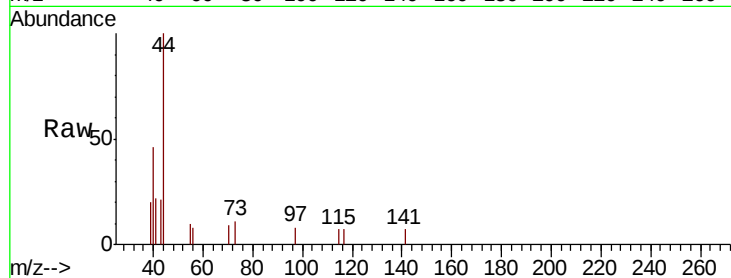
Ion Ratio Lower Upper

97 100

83 0.0 69.4 104.0#

85 0.0 46.6 69.8#

99 0.0 50.0 75.0#

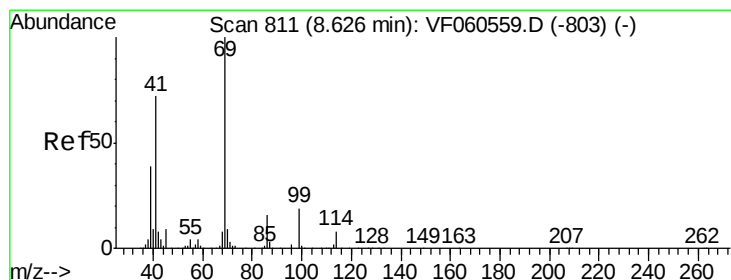
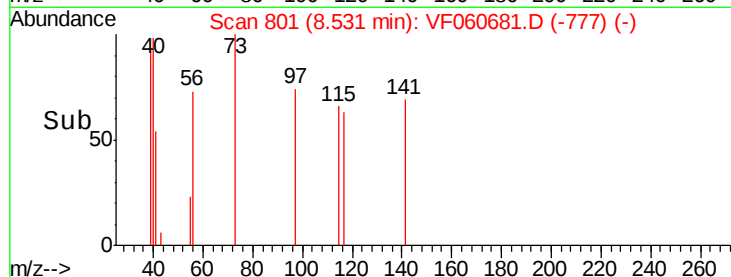
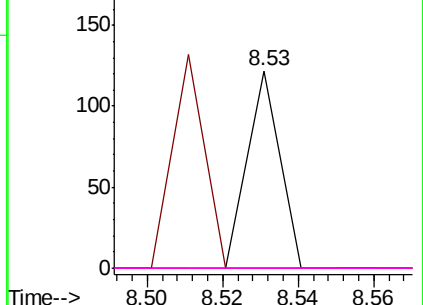


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 3.381 ug/l

RT: 8.64 min Scan# 812

Delta R.T. 0.01 min

Lab File: VF060681.D

Acq: 9 Nov 2018 19:35

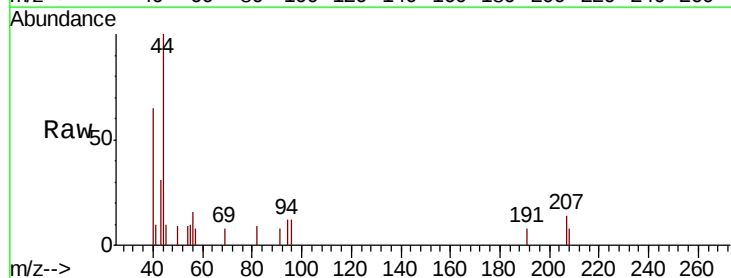
Tgt Ion: 69 Resp: 63

Ion Ratio Lower Upper

69 100

41 122.4 59.2 88.8#

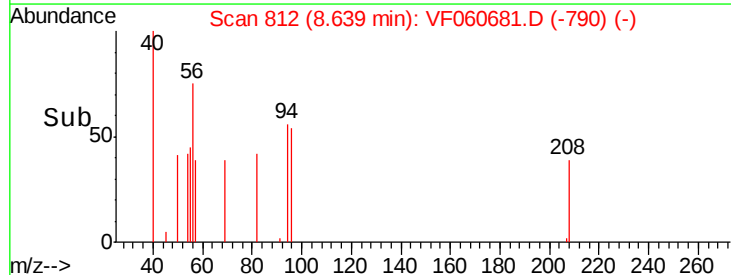
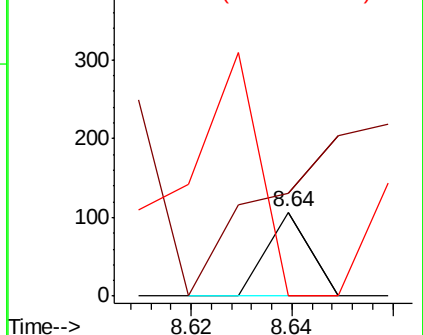
39 0.0 32.3 48.5#

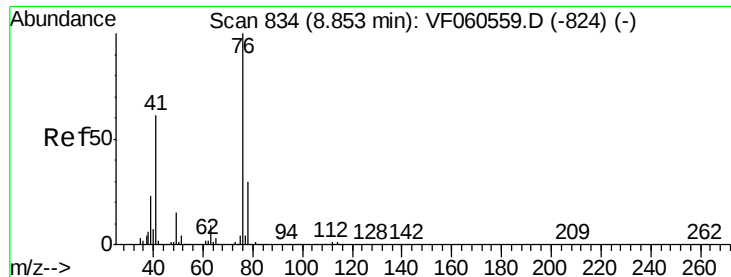


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

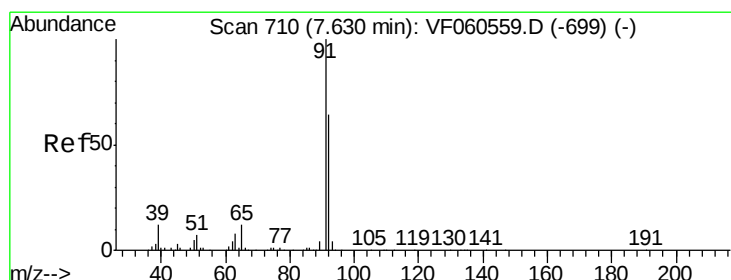
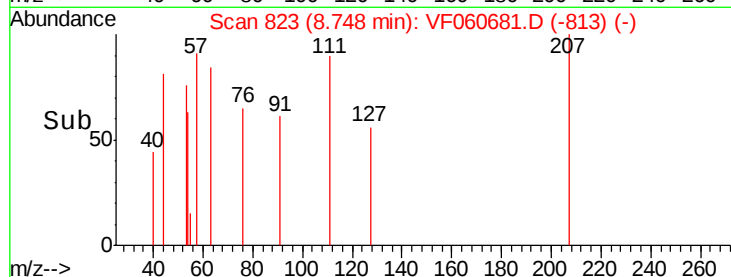
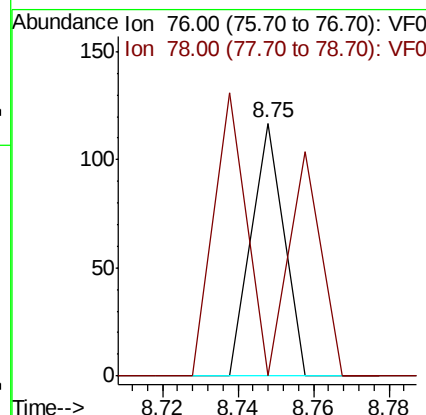
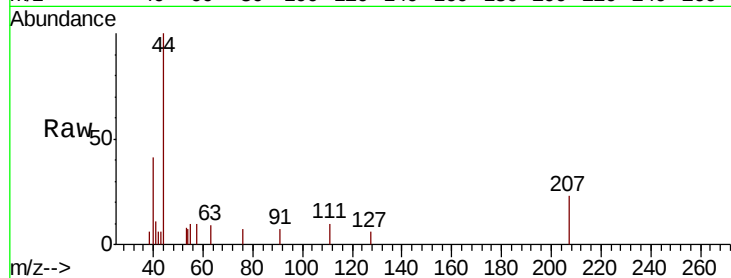




#57
 1,3-Dichloropropane
 Concen: 2.715 ug/l
 RT: 8.75 min Scan# 823
 Delta R.T. -0.11 min
 Lab File: VF060681.D
 Acq: 9 Nov 2018 19:35

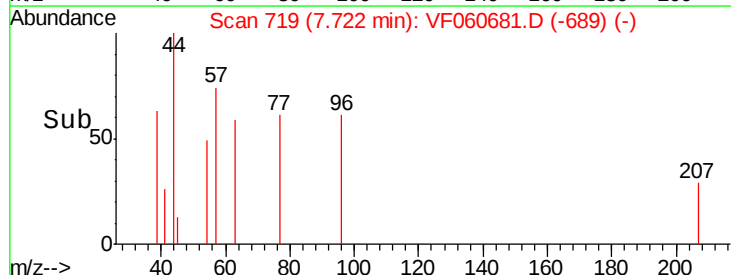
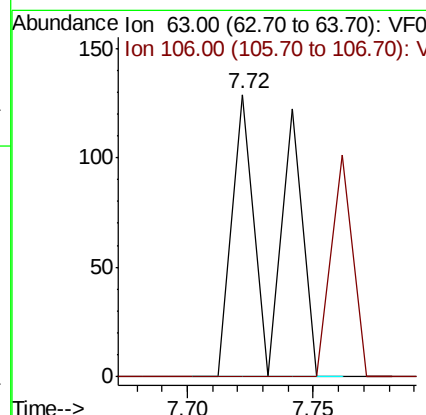
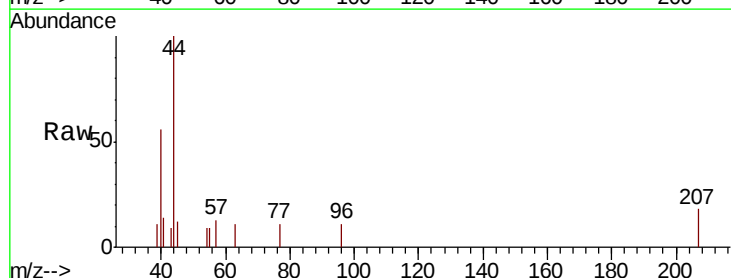
Instrument :
 MSVOA_F
 ClientSampleID :
 RT-3263RE

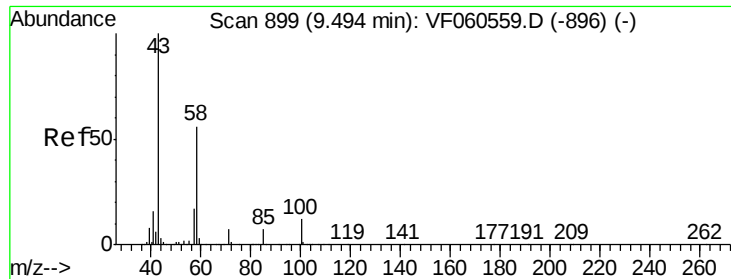
Tgt Ion: 76 Resp: 69
 Ion Ratio Lower Upper
 76 100
 78 0.0 24.2 36.4#



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.613 ug/l
 RT: 7.72 min Scan# 719
 Delta R.T. 0.09 min
 Lab File: VF060681.D
 Acq: 9 Nov 2018 19:35

Tgt Ion: 63 Resp: 149
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

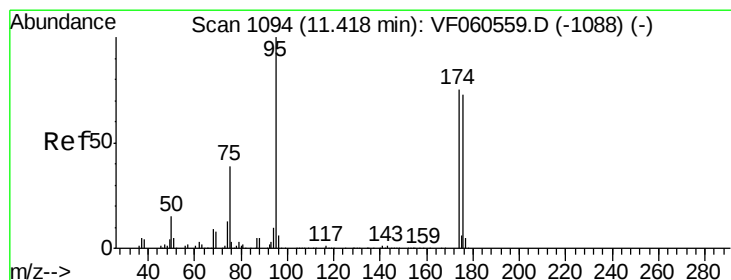
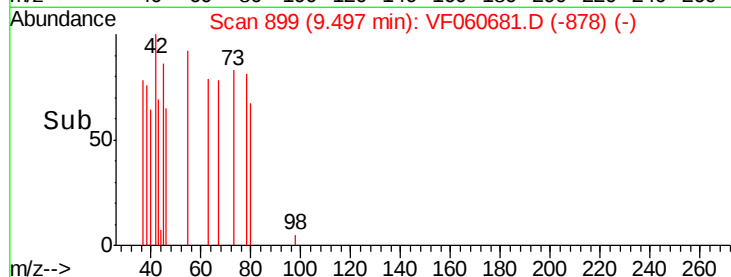
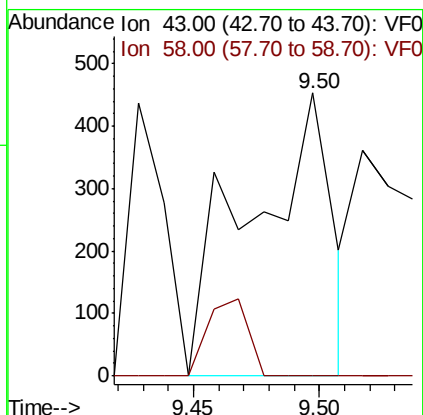
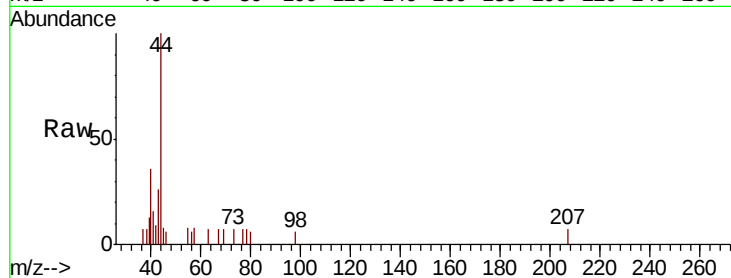




#59
2-Hexanone
Concen: 105.252 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.00 min
Lab File: VF060681.D
Acq: 9 Nov 2018 19:35

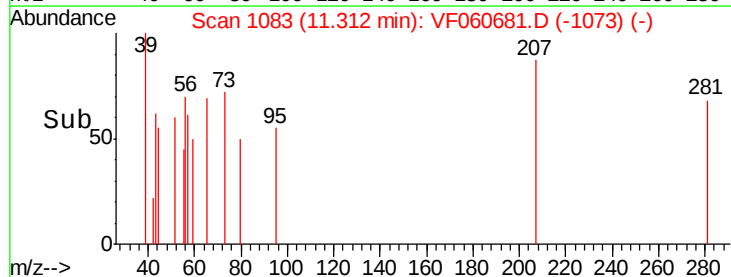
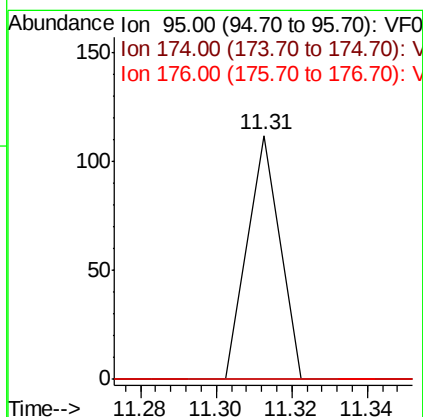
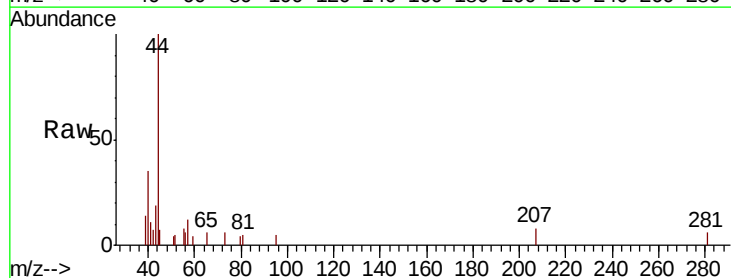
Instrument :
MSVOA_F
ClientSampleId :
RT-3263RE

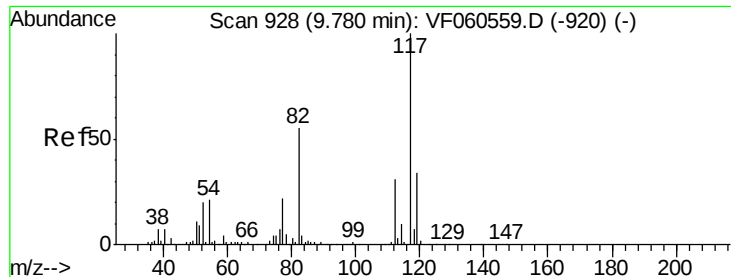
Tgt Ion: 43 Resp: 1022
Ion Ratio Lower Upper
43 100
58 0.0 26.1 78.3#



#62
4-Bromofluorobenzene
Concen: 2.306 ug/l
RT: 11.31 min Scan# 1083
Delta R.T. -0.11 min
Lab File: VF060681.D
Acq: 9 Nov 2018 19:35

Tgt Ion: 95 Resp: 66
Ion Ratio Lower Upper
95 100
174 0.0 0.0 149.0
176 0.0 0.0 145.6

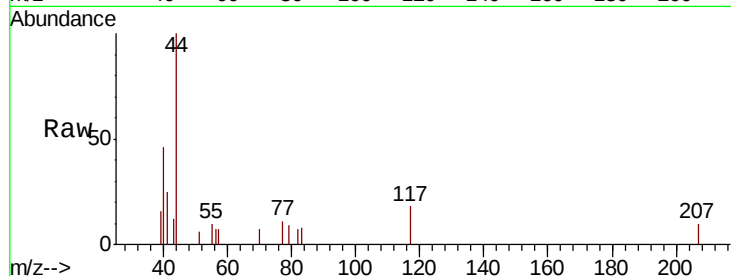




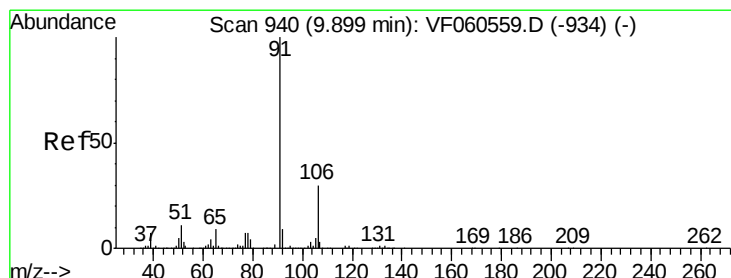
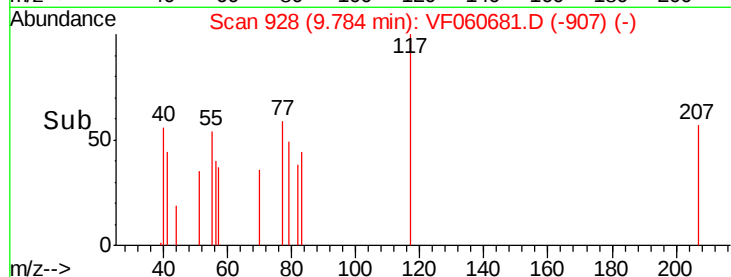
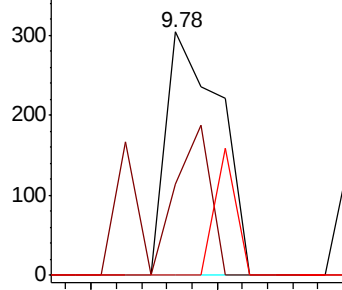
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.00 min
Lab File: VF060681.D
Acq: 9 Nov 2018 19:35

Instrument :
MSVOA_F
ClientSampleId :
RT-3263RE

Tgt Ion: 117 Resp: 450
Ion Ratio Lower Upper
117 100
82 37.5 43.9 65.9#
119 0.0 27.4 41.0#

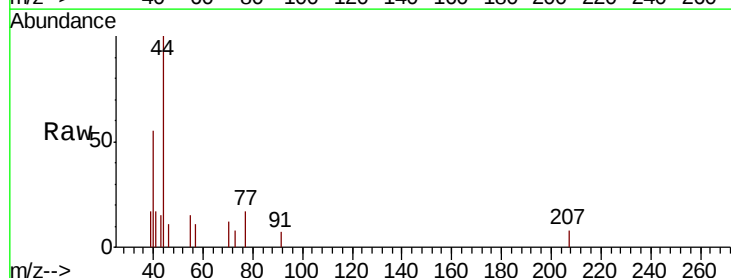


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

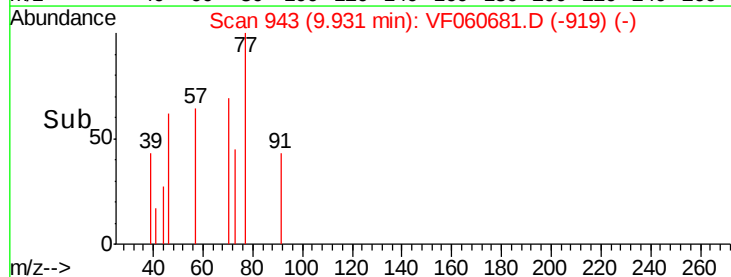
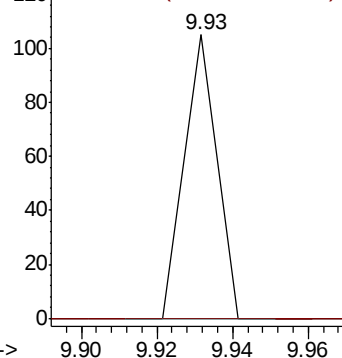


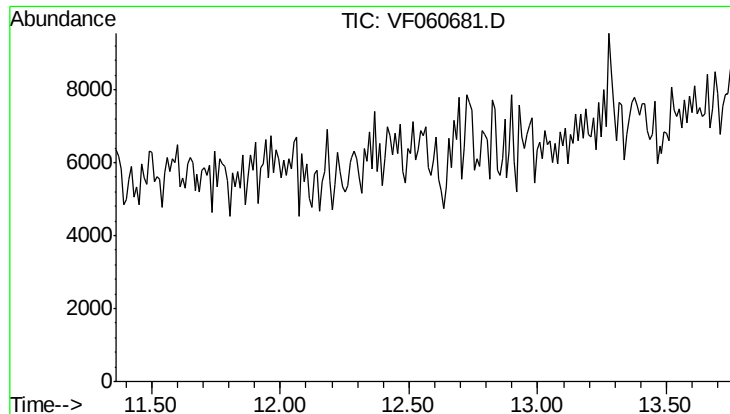
#67
Ethyl Benzene
Concen: 3.713 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.03 min
Lab File: VF060681.D
Acq: 9 Nov 2018 19:35

Tgt Ion: 91 Resp: 62
Ion Ratio Lower Upper
91 100
106 0.0 24.2 36.4#



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





#72
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ug/l
 Expected RT: 12.55 min
 Lab File: VF060681.D
 Acq: 9 Nov 2018 19:35

Instrument :
 MSVOA_F
 ClientSampleId :
 RT-3263RE

Tgt Ion: 152
 Sig Exp Ratio
 152 100
 115 59.2
 150 157.8

