

Data File : VF060705.D
Acq On : 13 Nov 2018 1:17
Operator : VA/AP
Sample : J5908-27
Misc : 8.23g/5mL/MSVOA-F/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SR-6-S

Quant Time: Nov 13 04:23:18 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	4.87	168	1077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	843	50.00	ug/l	0.00
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.78
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.55

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.77	65	61	5.61	ug/l	-0.08
Spiked Amount	50.000		Recovery	=	11.22%	
35) Dibromofluoromethane	4.12	113	101	15.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	31.02%	
50) Toluene-d8	7.57	98	141	7.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	14.62%	
62) 4-Bromofluorobenzene	11.44	95	128	15.17	ug/l	0.02
Spiked Amount	50.000		Recovery	=	30.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.80	85	60	1.442	ug/l #	41
3) Chloromethane	1.11	50	167	17.717	ug/l #	45
4) Vinyl Chloride	1.12	62	77	8.865	ug/l #	48
5) Bromomethane	1.30	94	139	28.510	ug/l #	1
6) Chloroethane	1.50	64	80	23.207	ug/l #	9
8) Diethyl Ether	1.54	74	60	19.914	ug/l #	1
13) Acrolein	1.97	56	128	375.564	ug/l #	11
14) Allyl chloride	2.11	41	728	56.984	ug/l #	37
15) Acrylonitrile	2.84	53	63	48.579	ug/l #	15
16) Acetone	2.27	43	1220	475.791	ug/l #	59
18) Methyl Acetate	2.35	43	289	72.343	ug/l #	64
19) Methyl tert-butyl Ether	2.48	73	79	4.319	ug/l #	1
20) Methylene Chloride	2.25	84	66	3.611	ug/l #	3
21) trans-1,2-Dichloroethene	2.36	96	62	7.553	ug/l #	1
22) Diisopropyl ether	2.81	45	231	8.534	ug/l #	7
23) Vinyl Acetate	3.18	43	507	31.175	ug/l #	75
24) 1,1-Dichloroethane	2.83	63	64	4.086	ug/l #	89
25) 2-Butanone	4.34	43	299	34.342	ug/l #	56
26) 2,2-Dichloropropane	3.58	77	86	7.337	ug/l #	57
27) cis-1,2-Dichloroethene	3.35	96	63	4.020	ug/l	1
28) Bromochloromethane	3.86	49	68	6.917	ug/l #	13
29) Tetrahydrofuran	4.09	42	147	69.494	ug/l #	36
30) Chloroform	3.83	83	65	2.623	ug/l #	16
31) Cyclohexane	3.67	56	229	10.593	ug/l #	17
32) 1,1,1-Trichloroethane	4.10	97	129	7.453	ug/l #	21
37) Ethyl Acetate	4.08	43	486	109.074	ug/l #	17
39) Methylcyclohexane	5.45	83	70	6.180	ug/l #	52
40) Benzene	4.60	78	124	5.504	ug/l #	51
41) Methacrylonitrile	4.69	41	380	150.596	ug/l #	53
42) 1,2-Dichloroethane	5.07	62	89	13.763	ug/l	71
43) Isopropyl Acetate	6.96	43	923	163.766	ug/l #	45
44) Trichloroethene	5.59	130	60	8.861	ug/l	2
45) 1,2-Dichloropropane	6.15	63	68	11.801	ug/l #	43
46) Dibromomethane	6.12	93	60	16.413	ug/l #	3

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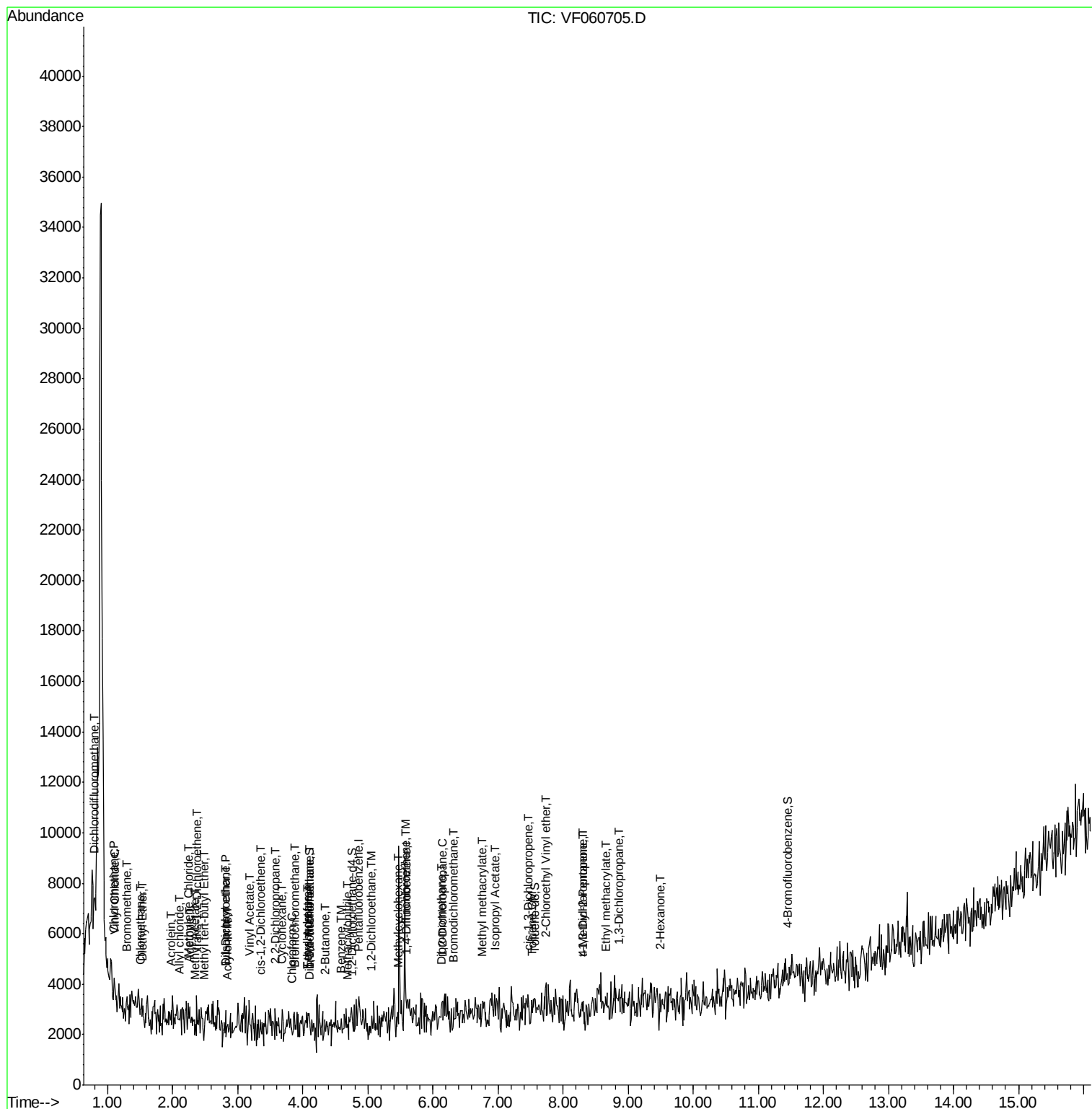
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Bromodichloromethane	6.31	83	74	8.392	ug/l #	25
48) Methyl methacrylate	6.77	41	1084	306.023	ug/l #	40
51) 4-Methyl-2-Pentanone	8.30	43	358	94.457	ug/l #	37
52) Toluene	7.51	92	74	5.042	ug/l #	1
53) t-1,3-Dichloropropene	8.31	75	88	11.483	ug/l #	43
54) cis-1,3-Dichloropropene	7.45	75	61	6.300	ug/l #	31
56) Ethyl methacrylate	8.66	69	61	11.101	ug/l #	1
57) 1,3-Dichloropropane	8.85	76	60	8.007	ug/l #	44
58) 2-Chloroethyl Vinyl ether	7.74	63	61	166.589	ug/l	100
59) 2-Hexanone	9.49	43	128	28.299	ug/l #	26

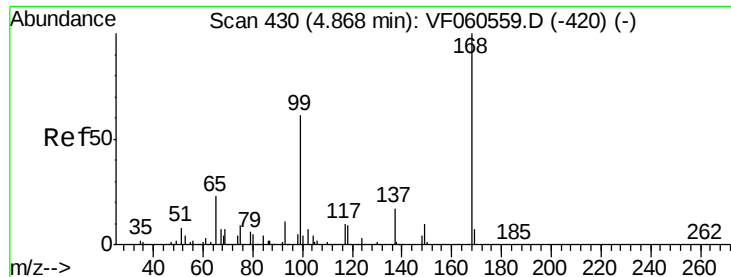
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.00 min

Lab File: VF060705.D

Acq: 13 Nov 2018 1:17

Instrument :

MSVOA_F

ClientSampled :

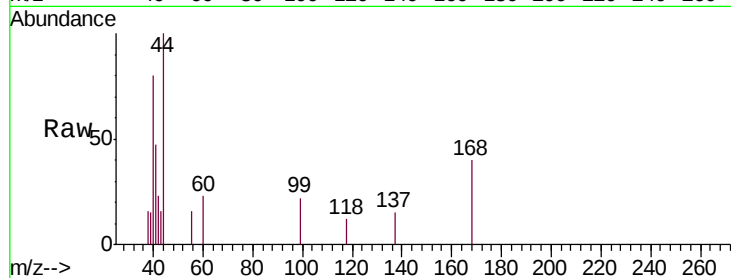
SR-6-S

Tgt Ion:168 Resp: 1077

Ion Ratio Lower Upper

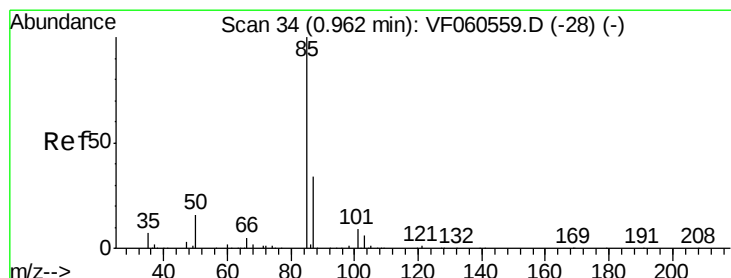
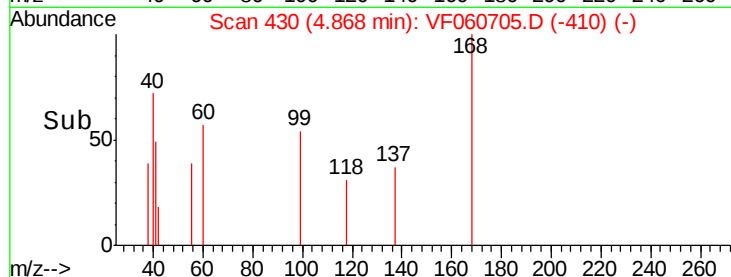
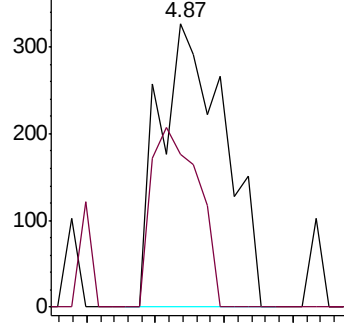
168 100

99 53.8 48.6 72.8



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 1.442 ug/l

RT: 0.80 min Scan# 18

Delta R.T. -0.16 min

Lab File: VF060705.D

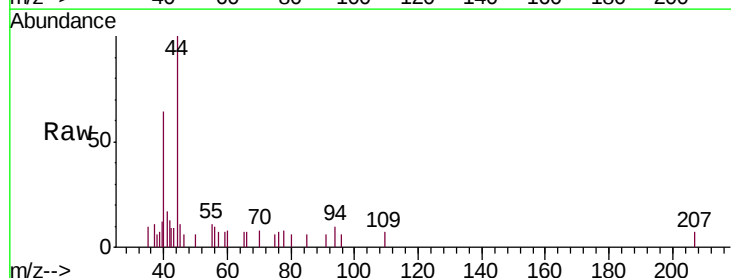
Acq: 13 Nov 2018 1:17

Tgt Ion: 85 Resp: 60

Ion Ratio Lower Upper

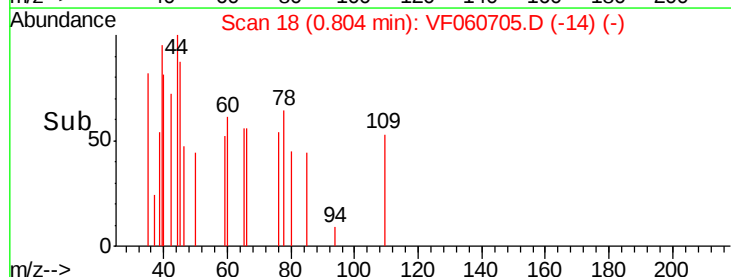
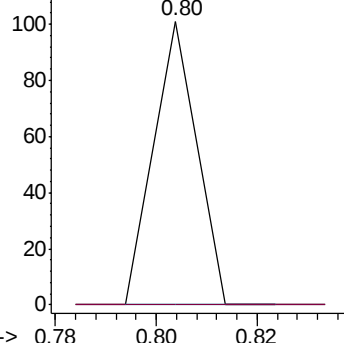
85 100

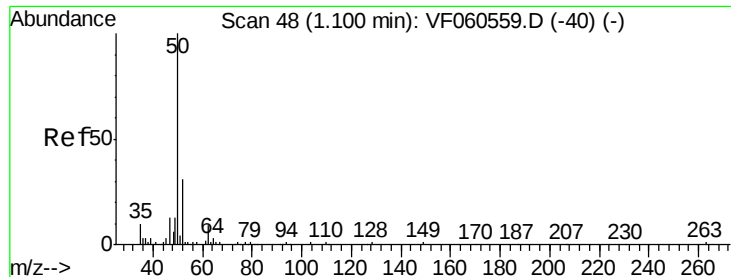
87 0.0 16.9 50.7#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 17.717 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF060705.D

Acq: 13 Nov 2018 1:17

Instrument :

MSVOA_F

ClientSampleId :

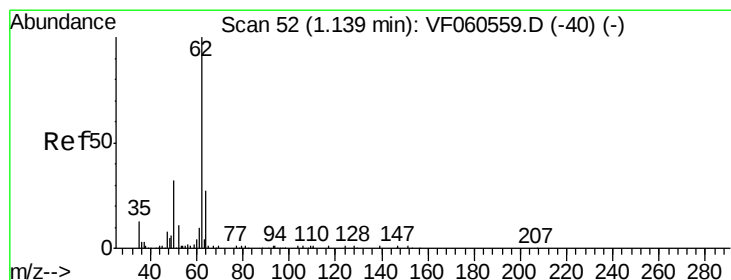
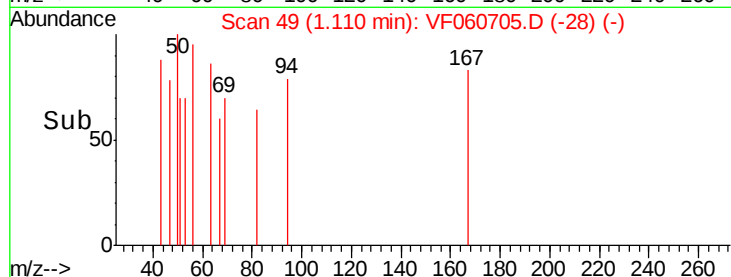
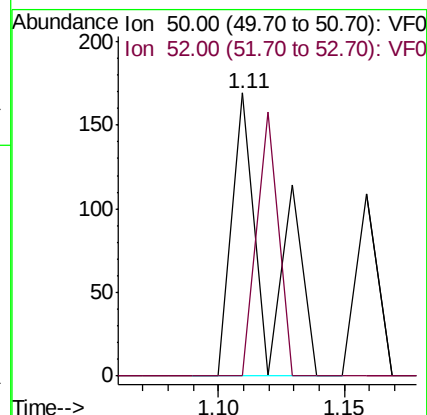
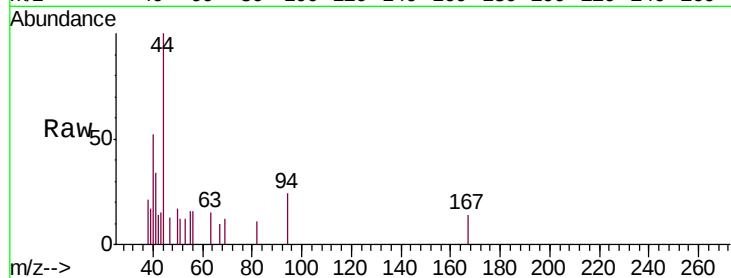
SR-6-S

Tgt Ion: 50 Resp: 167

Ion Ratio Lower Upper

50 100

52 0.0 24.0 36.0#



#4

Vinyl Chloride

Concen: 8.865 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.02 min

Lab File: VF060705.D

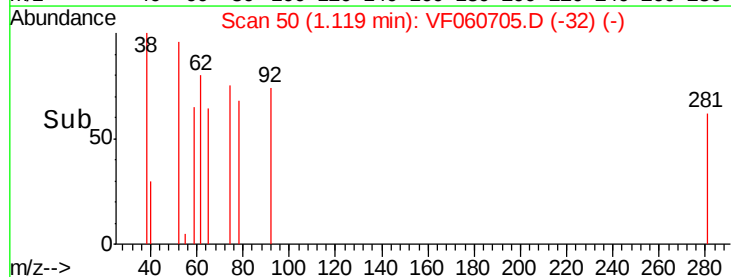
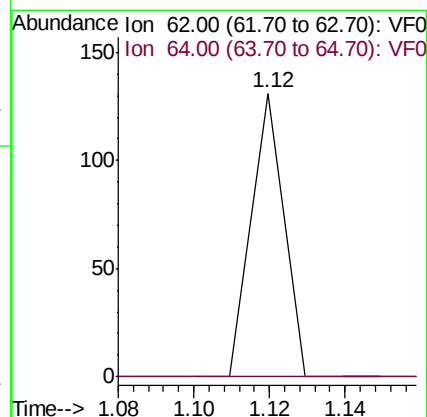
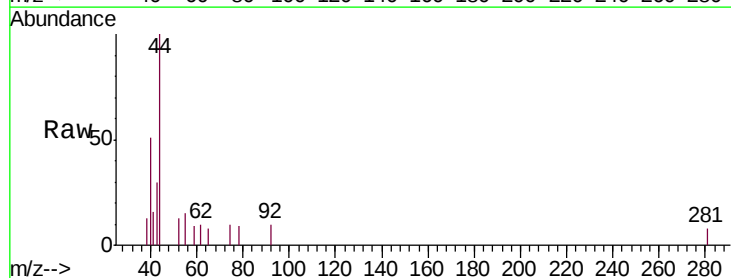
Acq: 13 Nov 2018 1:17

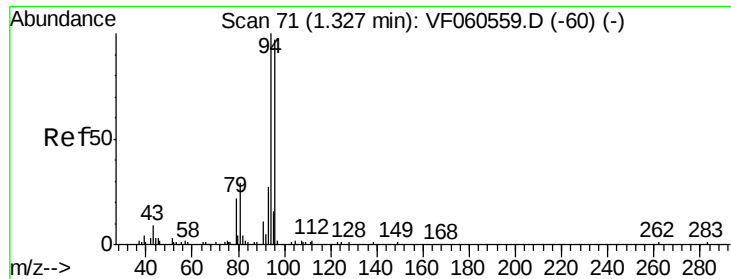
Tgt Ion: 62 Resp: 77

Ion Ratio Lower Upper

62 100

64 0.0 21.8 32.6#





#5

Bromomethane

Concen: 28.510 ug/l

RT: 1.30 min Scan# 68

Delta R.T. -0.03 min

Lab File: VF060705.D

Acq: 13 Nov 2018 1:17

Instrument :

MSVOA_F

ClientSampleId :

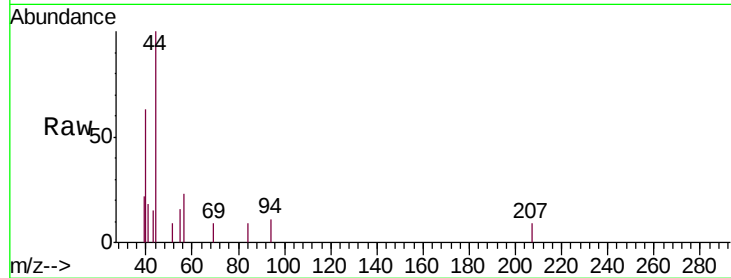
SR-6-S

Tgt Ion: 94 Resp: 139

Ion Ratio Lower Upper

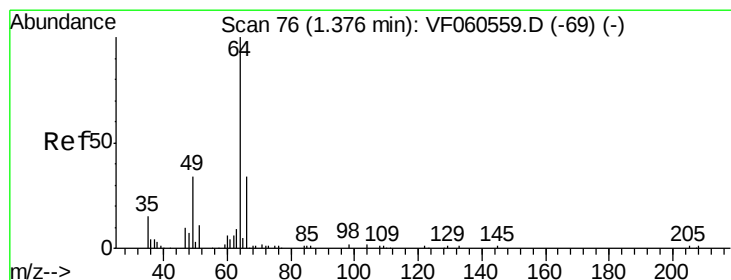
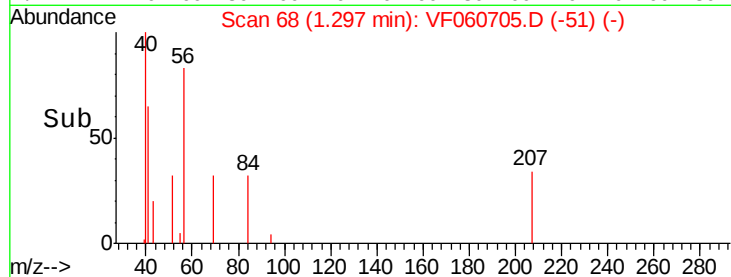
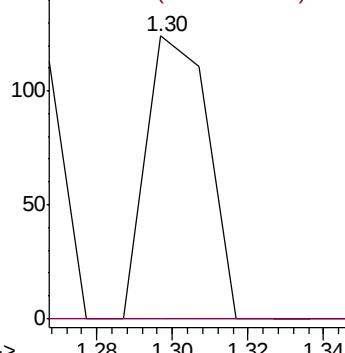
94 100

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: 23.207 ug/l

RT: 1.50 min Scan# 89

Delta R.T. 0.13 min

Lab File: VF060705.D

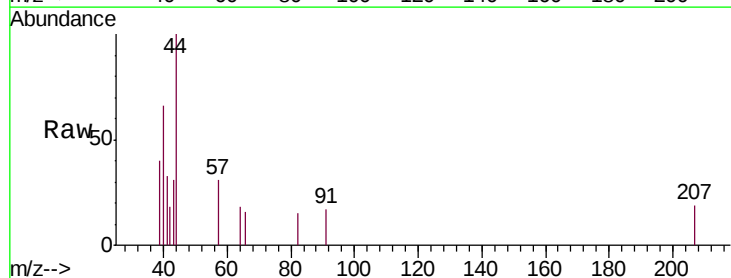
Acq: 13 Nov 2018 1:17

Tgt Ion: 64 Resp: 80

Ion Ratio Lower Upper

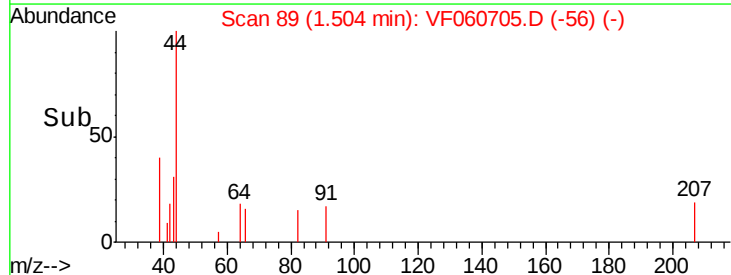
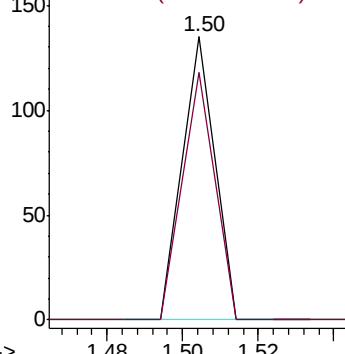
64 100

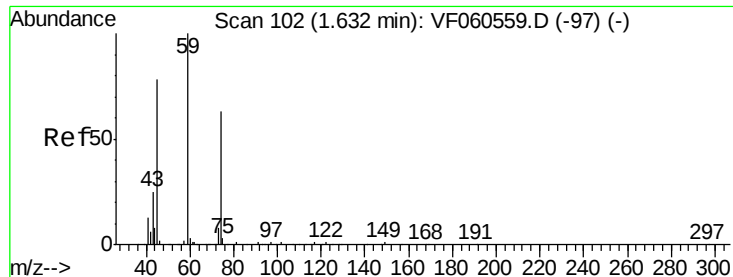
66 87.4 27.8 41.8#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#8

Diethyl Ether

Concen: 19.914 ug/l

RT: 1.54 min Scan# 93

Delta R.T. -0.09 min

Lab File: VF060705.D

Acq: 13 Nov 2018 1:17

Instrument :

MSVOA_F

ClientSampleId :

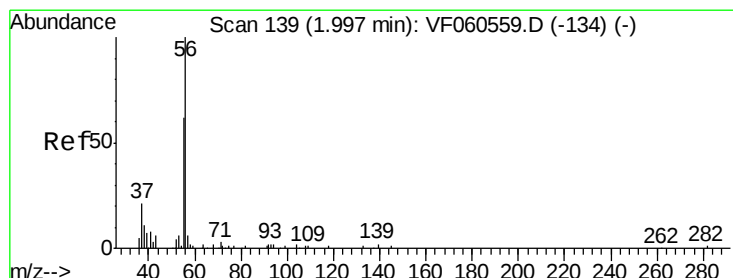
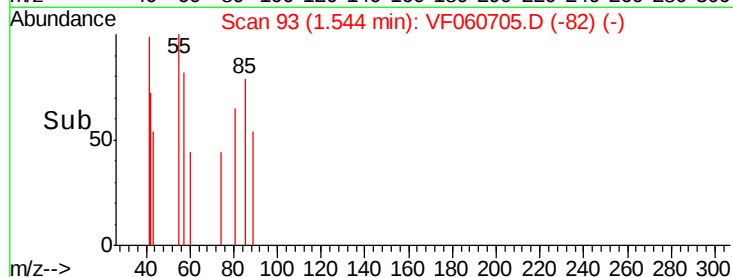
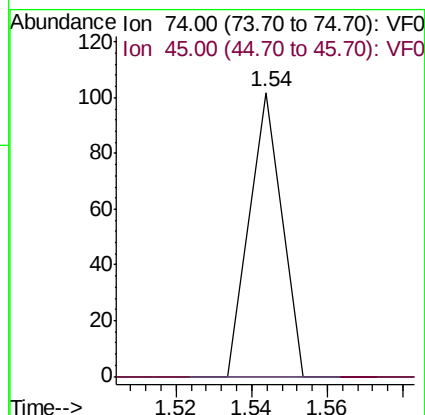
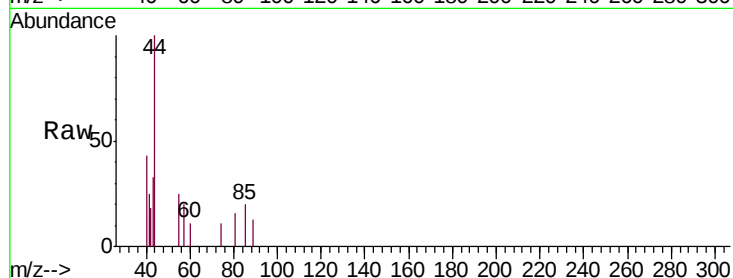
SR-6-S

Tgt Ion: 74 Resp: 60

Ion Ratio Lower Upper

74 100

45 0.0 63.8 191.5#



#13

Acrolein

Concen: 375.564 ug/l

RT: 1.97 min Scan# 136

Delta R.T. -0.03 min

Lab File: VF060705.D

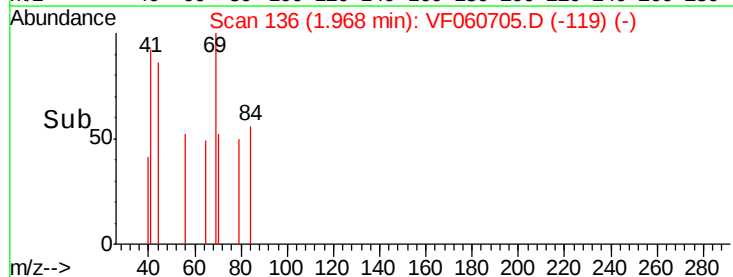
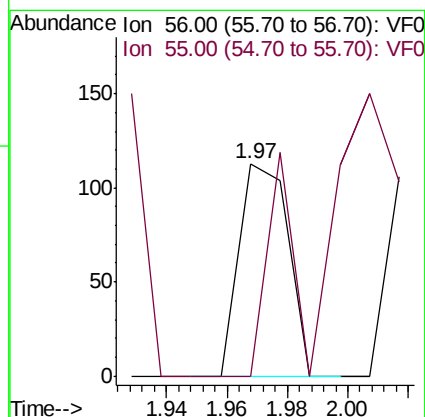
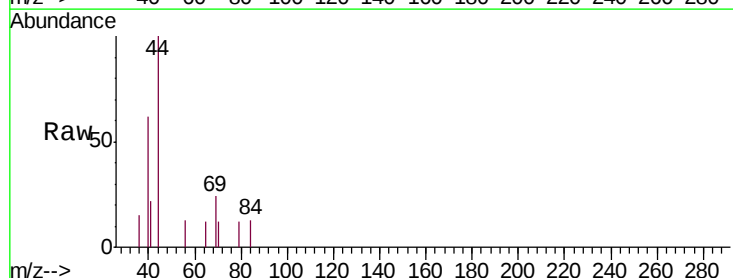
Acq: 13 Nov 2018 1:17

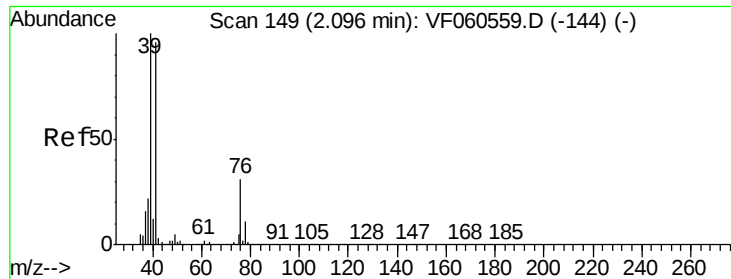
Tgt Ion: 56 Resp: 128

Ion Ratio Lower Upper

56 100

55 0.0 61.8 92.6#

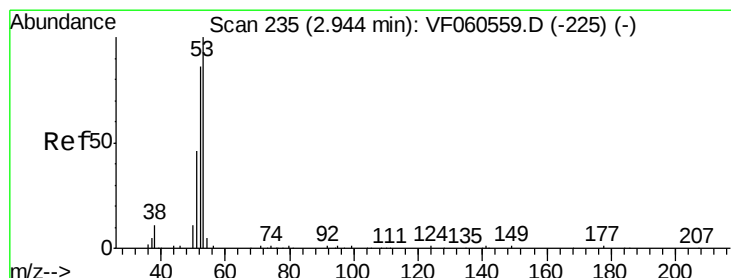
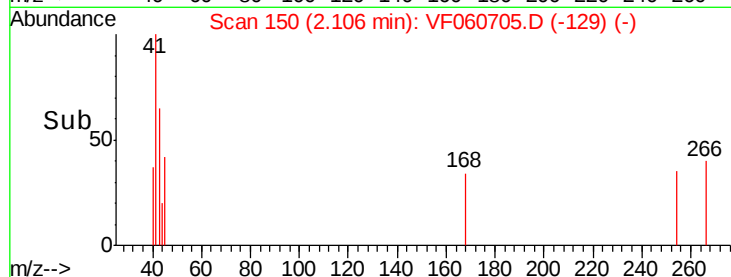
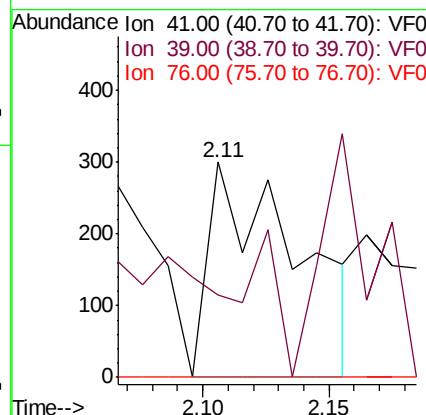
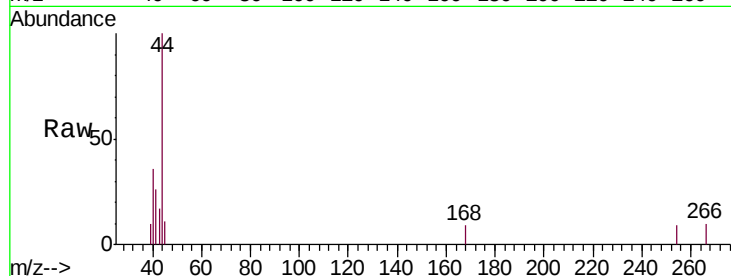




#14
 Allyl chloride
 Concen: 56.984 ug/l
 RT: 2.11 min Scan# 150
 Delta R.T. 0.01 min
 Lab File: VF060705.D
 Acq: 13 Nov 2018 1:17

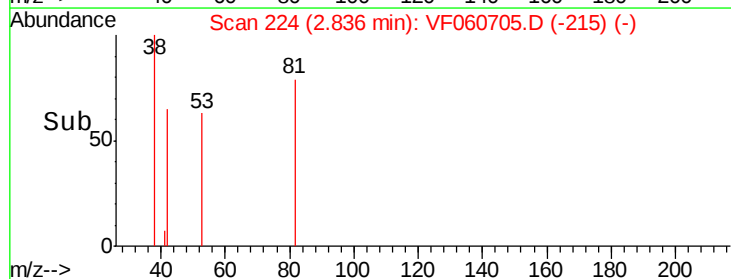
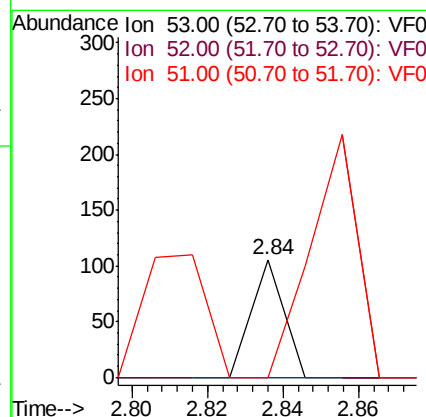
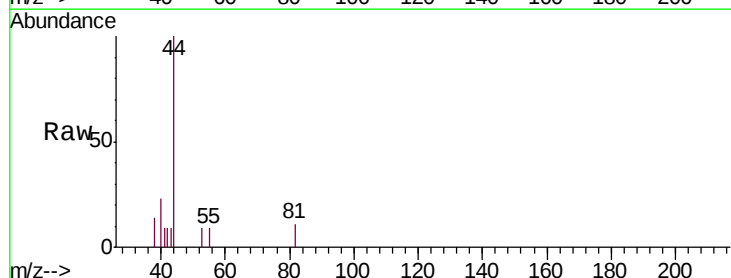
Instrument :
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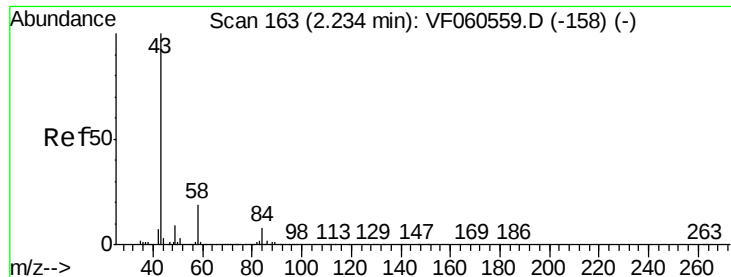
Tgt Ion: 41 Resp: 728
 Ion Ratio Lower Upper
 41 100
 39 38.3 82.6 124.0#
 76 0.0 26.7 40.1#



#15
 Acrylonitrile
 Concen: 48.579 ug/l
 RT: 2.84 min Scan# 224
 Delta R.T. -0.11 min
 Lab File: VF060705.D
 Acq: 13 Nov 2018 1:17

Tgt Ion: 53 Resp: 63
 Ion Ratio Lower Upper
 53 100
 52 0.0 68.5 102.7#
 51 0.0 38.2 57.2#





#16

Acetone

Concen: 475.791 ug/l

RT: 2.27 min Scan# 167

Delta R.T. 0.04 min

Lab File: VF060705.D

Acq: 13 Nov 2018 1:17

Instrument :

MSVOA_F

ClientSampleId :

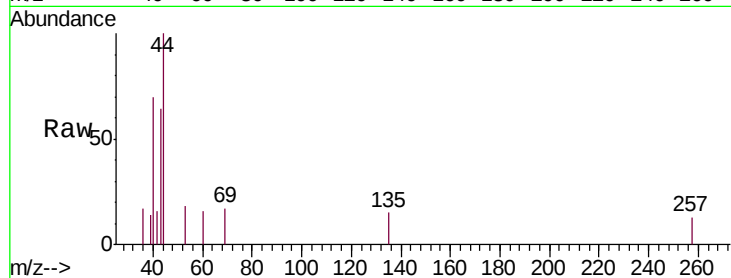
SR-6-S

Tgt Ion: 43 Resp: 1220

Ion Ratio Lower Upper

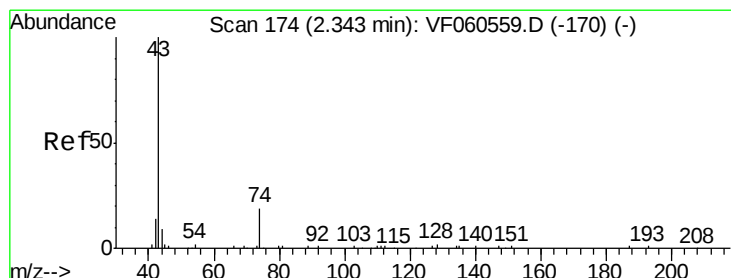
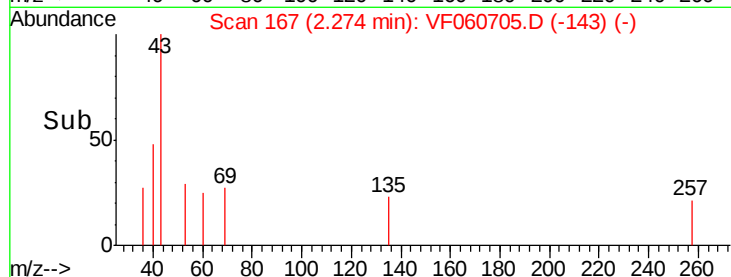
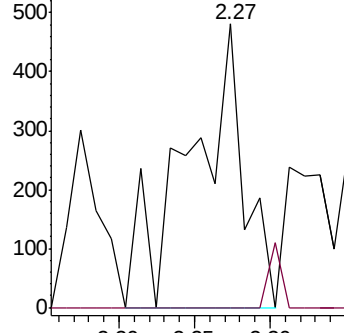
43 100

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: 72.343 ug/l

RT: 2.35 min Scan# 175

Delta R.T. 0.01 min

Lab File: VF060705.D

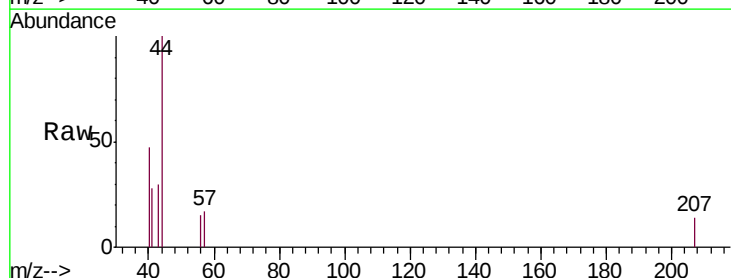
Acq: 13 Nov 2018 1:17

Tgt Ion: 43 Resp: 289

Ion Ratio Lower Upper

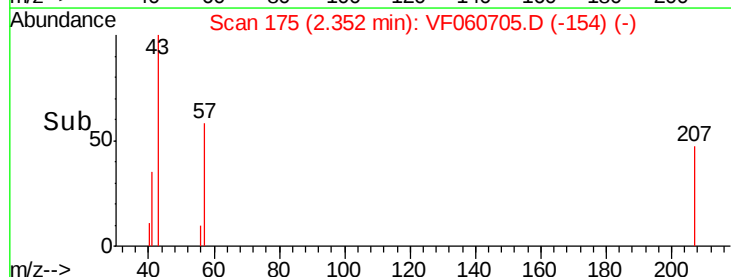
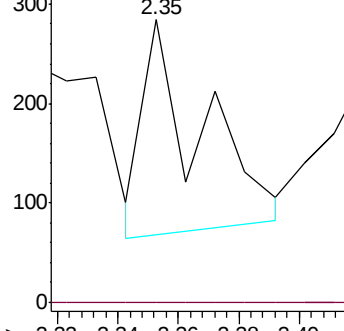
43 100

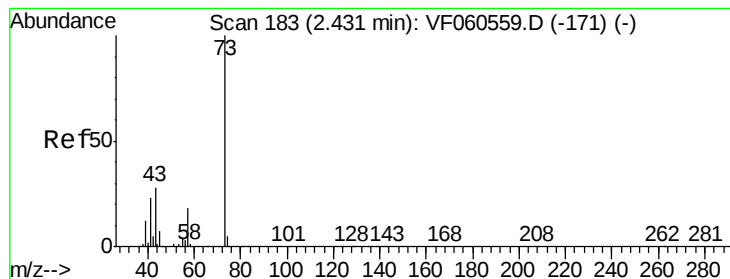
74 0.0 12.1 18.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





#19

Methyl tert-butyl Ether

Concen: 4.319 ug/l

RT: 2.48 min Scan# 188

Delta R.T. 0.05 min

Lab File: VF060705.D

Acq: 13 Nov 2018 1:17

Instrument :

MSVOA_F

ClientSampleId :

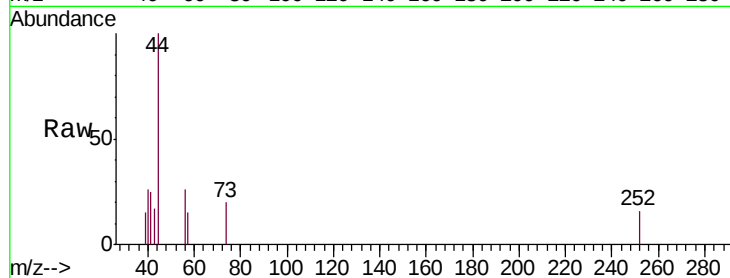
SR-6-S

Tgt Ion: 73 Resp: 79

Ion Ratio Lower Upper

73 100

57 76.7 15.4 23.0#



Abundance Ion 73.00 (72.70 to 73.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.48

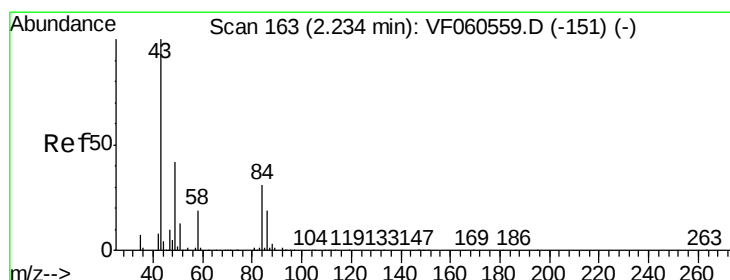
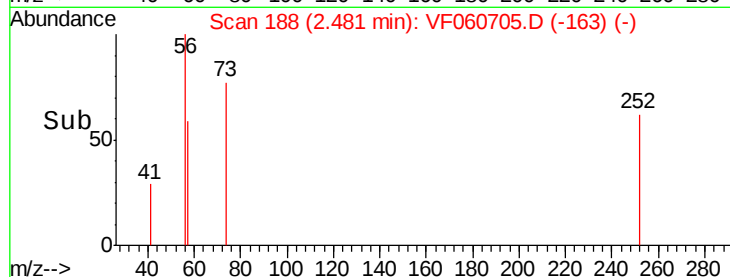
100

50

0

2.46 2.48 2.50

Time-->



#20

Methylene Chloride

Concen: 3.611 ug/l

RT: 2.25 min Scan# 165

Delta R.T. 0.02 min

Lab File: VF060705.D

Acq: 13 Nov 2018 1:17

Tgt Ion: 84 Resp: 66

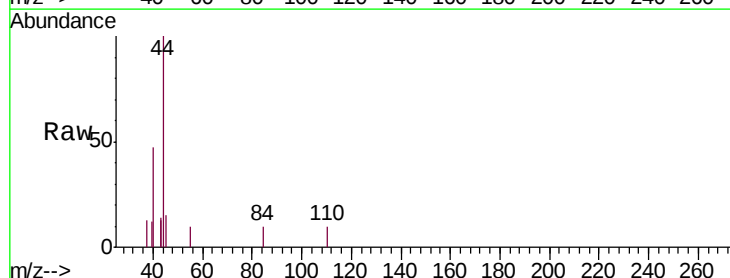
Ion Ratio Lower Upper

84 100

49 0.0 109.9 164.9#

51 0.0 35.8 53.8#

86 0.0 48.3 72.5#



Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

200

150

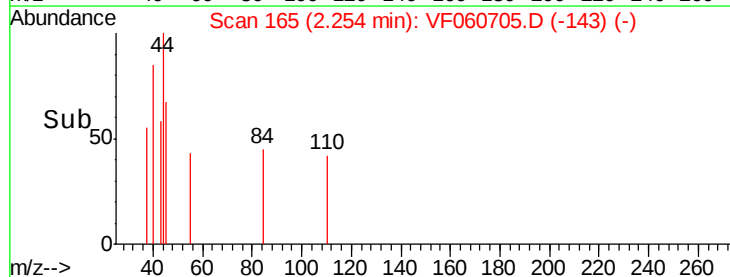
100

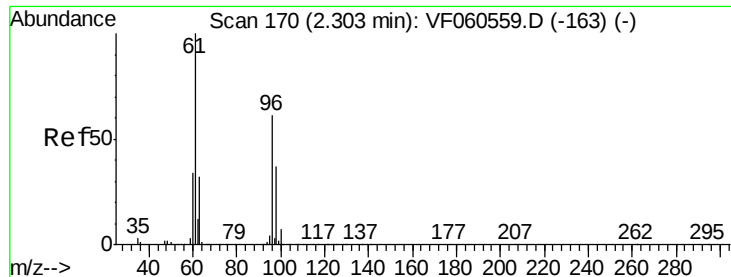
50

0

2.22 2.24 2.26 2.28

Time-->





#21

trans-1,2-Dichloroethene

Concen: 7.553 ug/l

RT: 2.36 min Scan# 176

Delta R.T. 0.06 min

Lab File: VF060705.D

Acq: 13 Nov 2018 1:17

Instrument :

MSVOA_F

ClientSampled :

SR-6-S

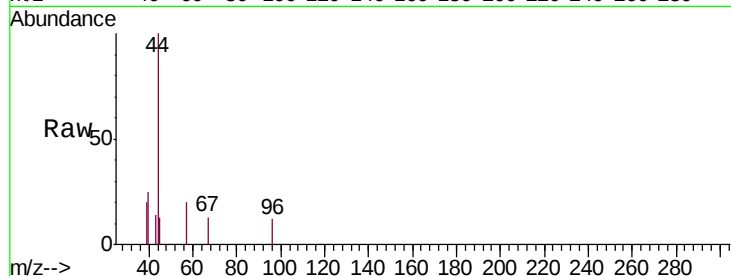
Tgt Ion: 96 Resp: 62

Ion Ratio Lower Upper

96 100

61 0.0 131.3 196.9#

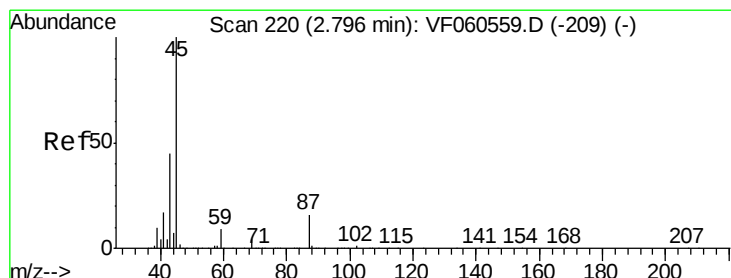
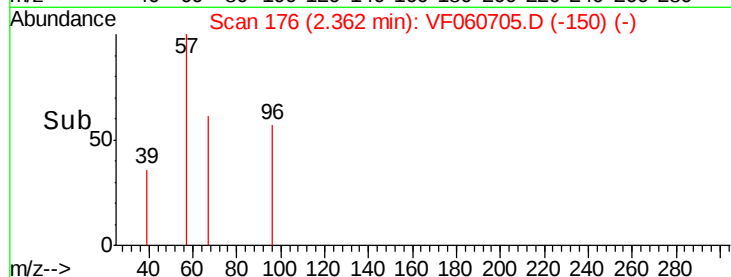
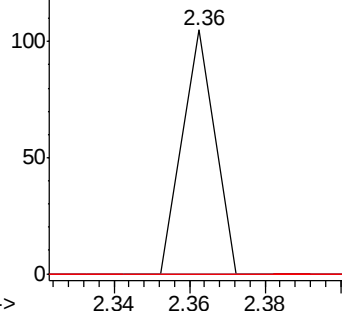
98 0.0 48.6 73.0#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 8.534 ug/l

RT: 2.81 min Scan# 221

Delta R.T. 0.01 min

Lab File: VF060705.D

Acq: 13 Nov 2018 1:17

Tgt Ion: 45 Resp: 231

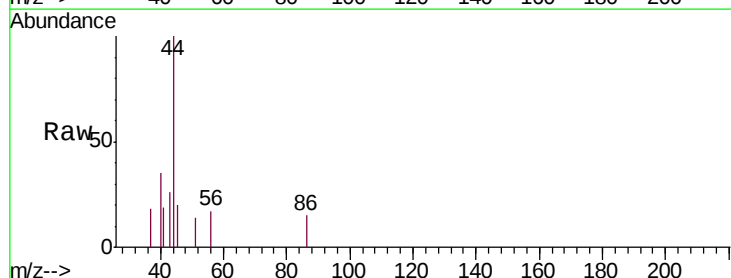
Ion Ratio Lower Upper

45 100

43 131.0 38.1 57.1#

87 0.0 12.7 19.1#

59 0.0 7.0 10.4#

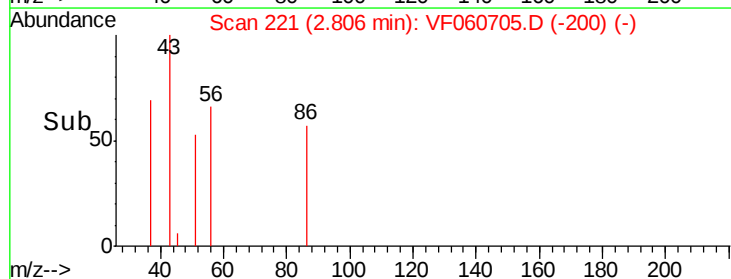
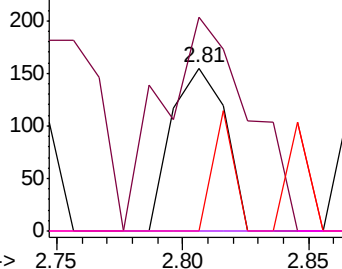


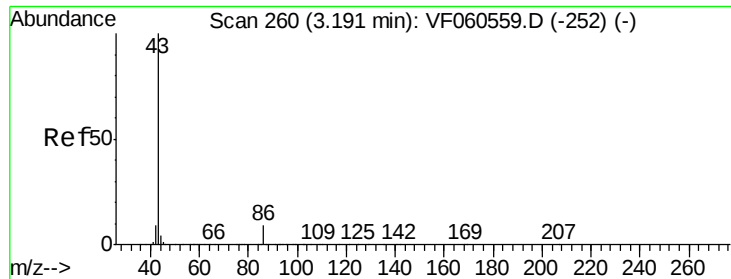
Abundance Ion 45.00 (44.70 to 45.70): VF0

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





#23

Vinyl Acetate

Concen: 31.175 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF060705.D

Acq: 13 Nov 2018 1:17

Instrument :

MSVOA_F

ClientSampleId :

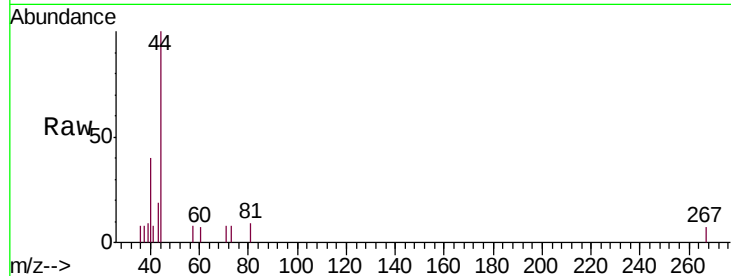
SR-6-S

Tgt Ion: 43 Resp: 507

Ion Ratio Lower Upper

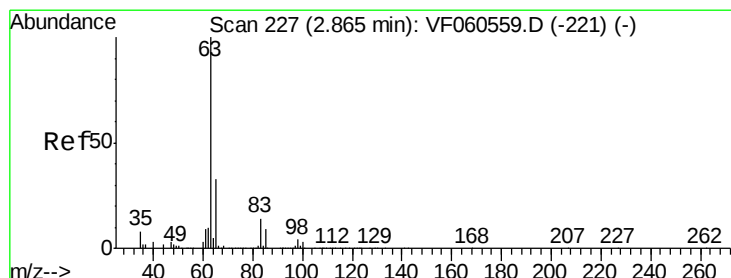
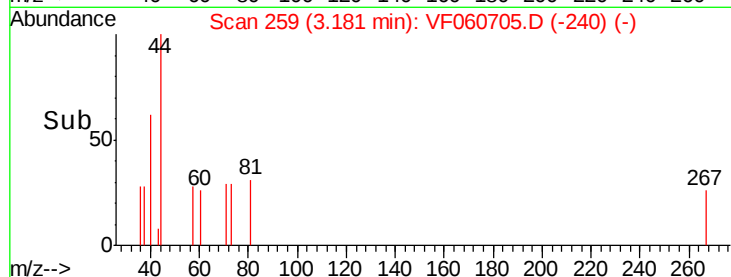
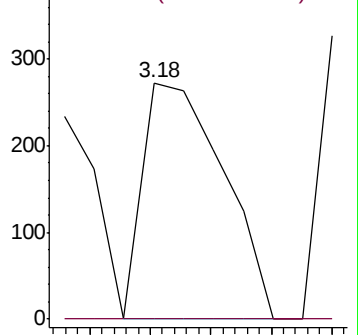
43 100

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



#24

1,1-Dichloroethane

Concen: 4.086 ug/l

RT: 2.83 min Scan# 223

Delta R.T. -0.04 min

Lab File: VF060705.D

Acq: 13 Nov 2018 1:17

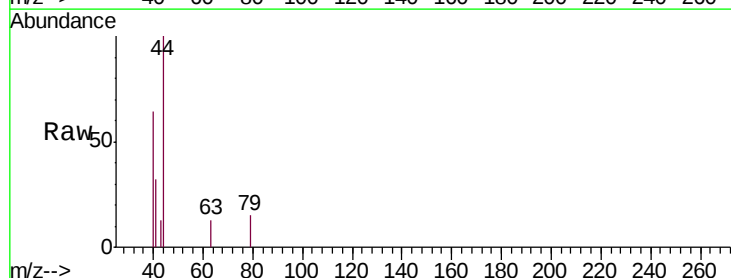
Tgt Ion: 63 Resp: 64

Ion Ratio Lower Upper

63 100

98 0.0 2.2 6.6#

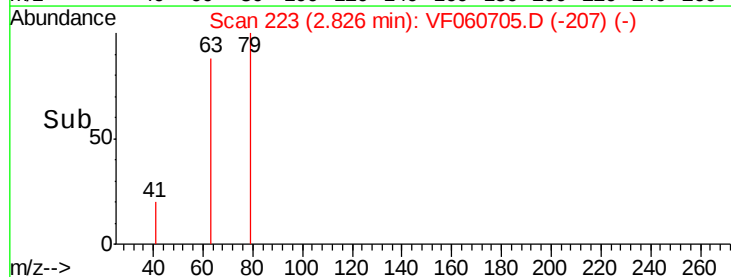
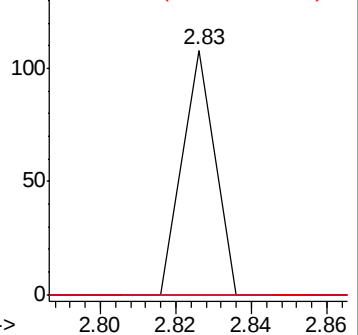
100 0.0 1.4 4.0#

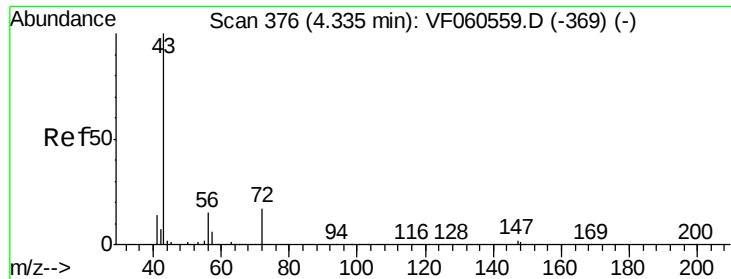


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 34.342 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.00 min

Lab File: VF060705.D

Acq: 13 Nov 2018 1:17

Instrument :

MSVOA_F

ClientSampleId :

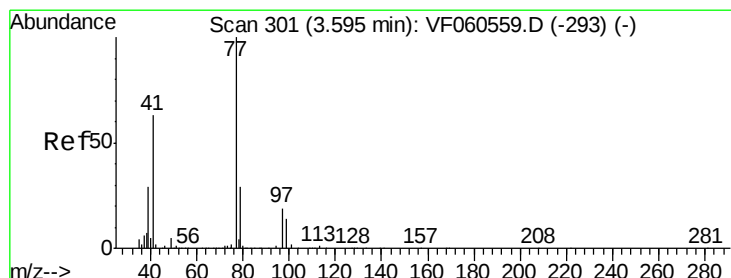
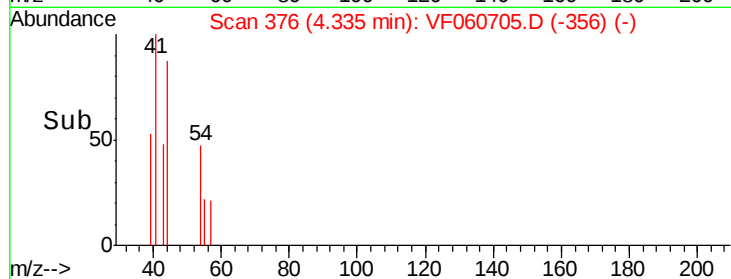
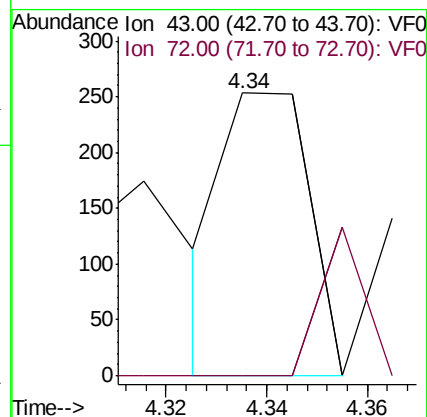
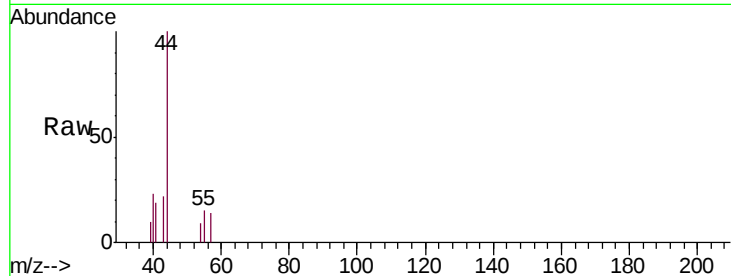
SR-6-S

Tgt Ion: 43 Resp: 299

Ion Ratio Lower Upper

43 100

72 0.0 16.2 24.2#



#26

2,2-Dichloropropane

Concen: 7.337 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.02 min

Lab File: VF060705.D

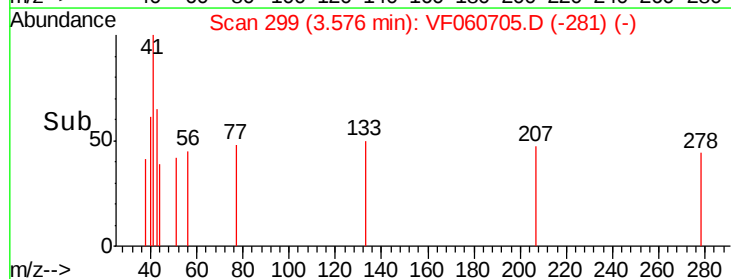
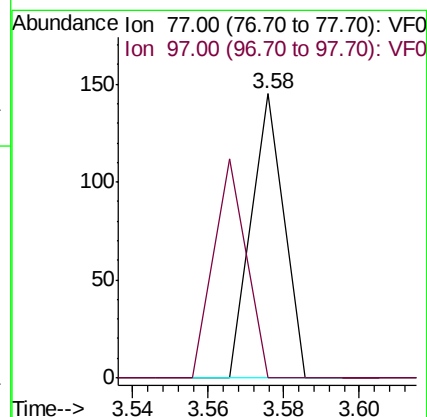
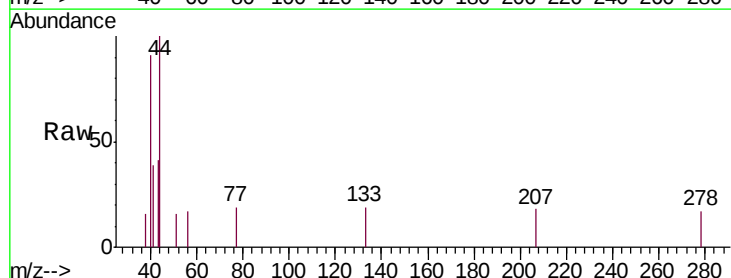
Acq: 13 Nov 2018 1:17

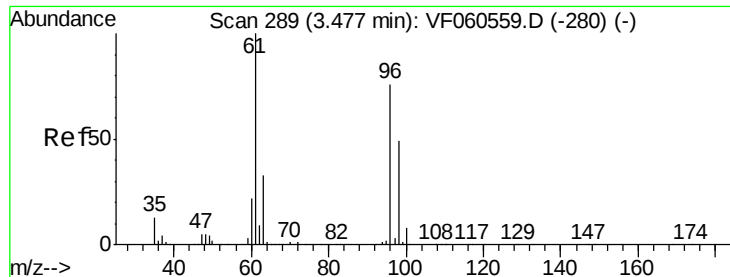
Tgt Ion: 77 Resp: 86

Ion Ratio Lower Upper

77 100

97 0.0 9.8 29.3#



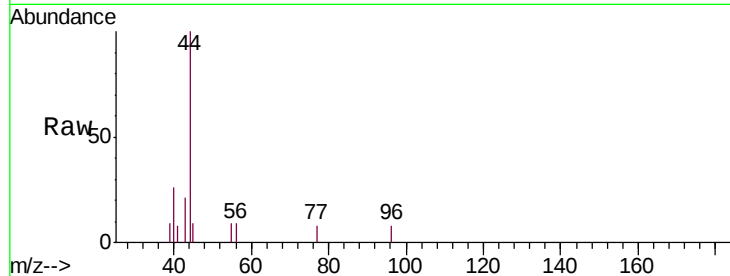


#27

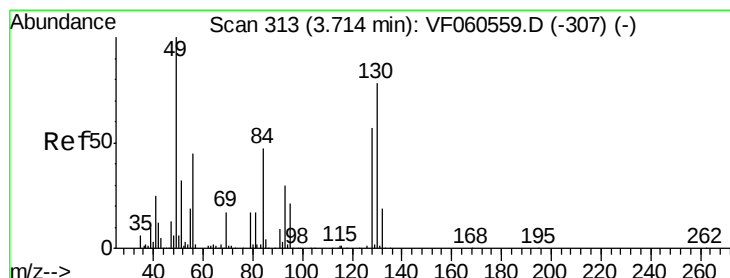
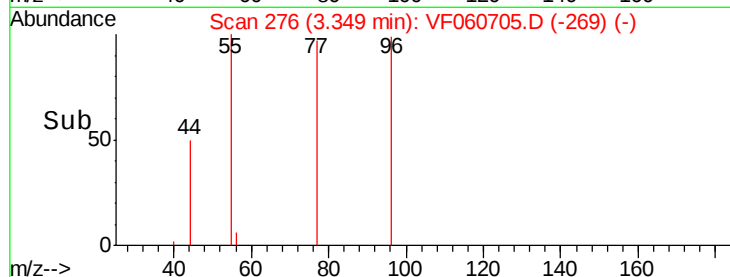
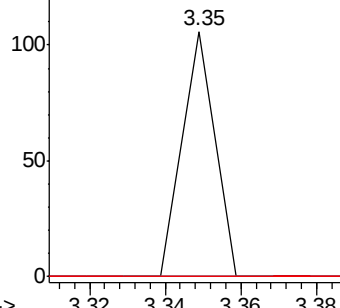
cis-1,2-Dichloroethene
 Concen: 4.020 ug/l
 RT: 3.35 min Scan# 276
 Delta R.T. -0.13 min
 Lab File: VF060705.D
 Acq: 13 Nov 2018 1:17

Instrument :
 MSVOA_F
 ClientSampleId :
 SR-6-S

Tgt Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	263.0
98	0.0	0.0	130.6



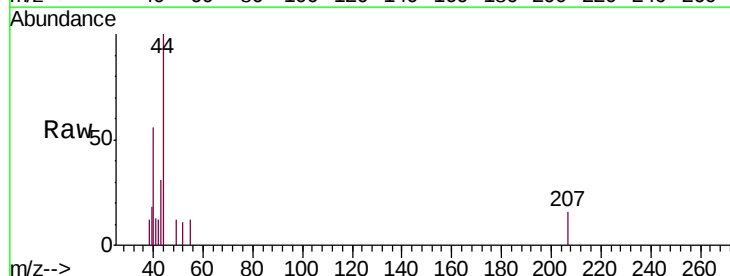
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



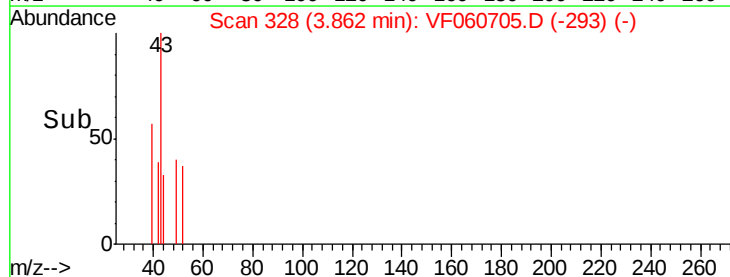
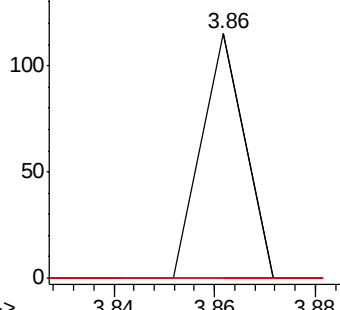
#28

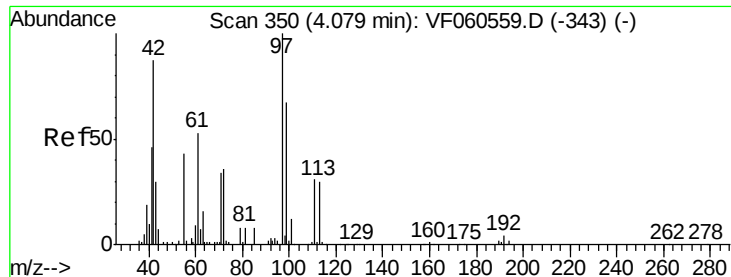
Bromochloromethane
 Concen: 6.917 ug/l
 RT: 3.86 min Scan# 328
 Delta R.T. 0.15 min
 Lab File: VF060705.D
 Acq: 13 Nov 2018 1:17

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



Abundance Ion 49.00 (48.70 to 49.70): VF0
 Ion 129.00 (128.70 to 129.70): V
 Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 69.494 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.01 min

Lab File: VF060705.D

Acq: 13 Nov 2018 1:17

Instrument :

MSVOA_F

ClientSampleId :

SR-6-S

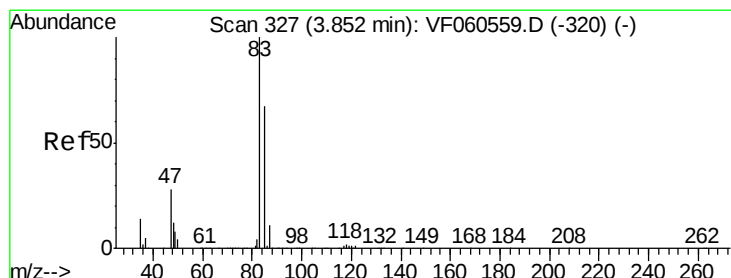
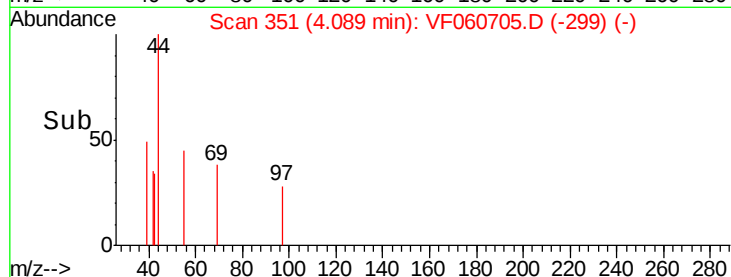
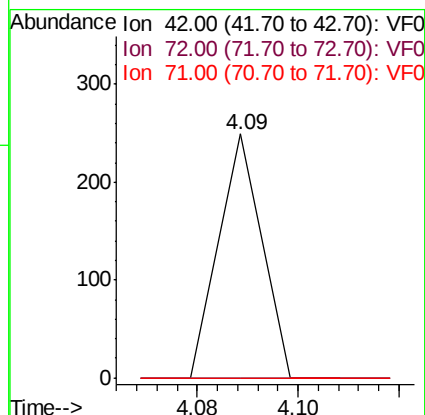
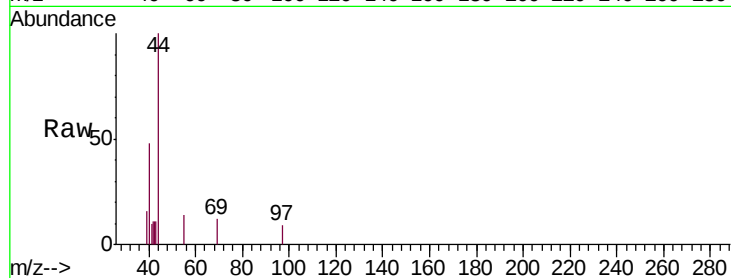
Tgt Ion: 42 Resp: 147

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

71 0.0 31.8 47.6#



#30

Chloroform

Concen: 2.623 ug/l

RT: 3.83 min Scan# 325

Delta R.T. -0.02 min

Lab File: VF060705.D

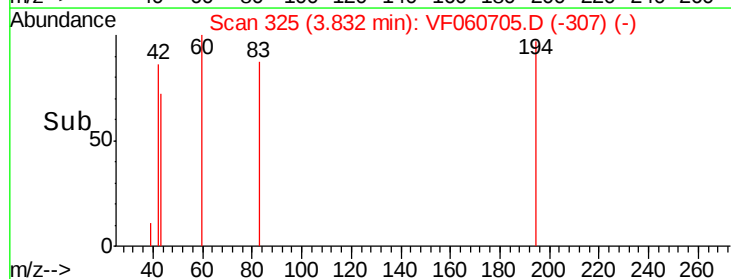
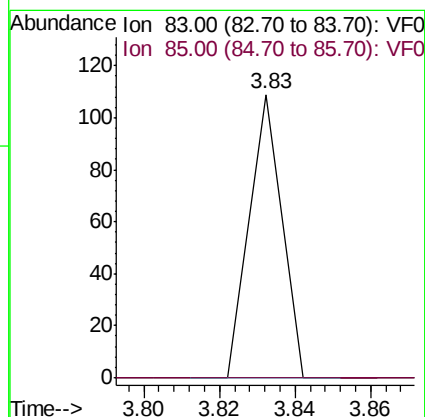
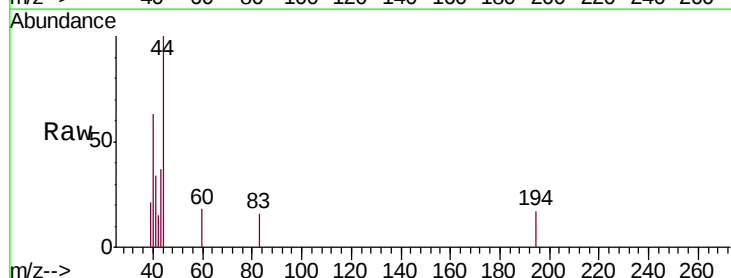
Acq: 13 Nov 2018 1:17

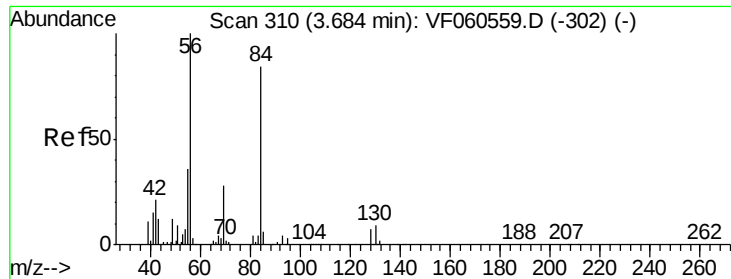
Tgt Ion: 83 Resp: 65

Ion Ratio Lower Upper

83 100

85 0.0 53.7 80.5#

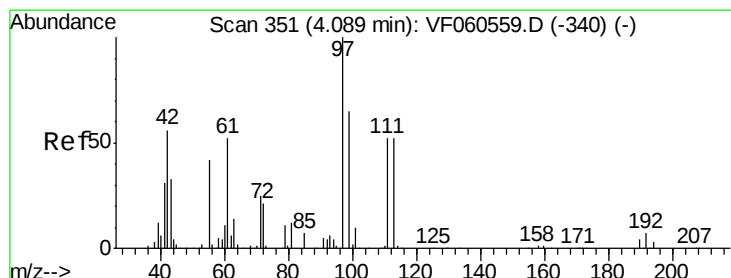
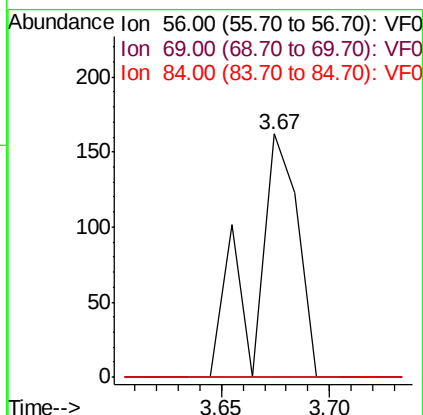
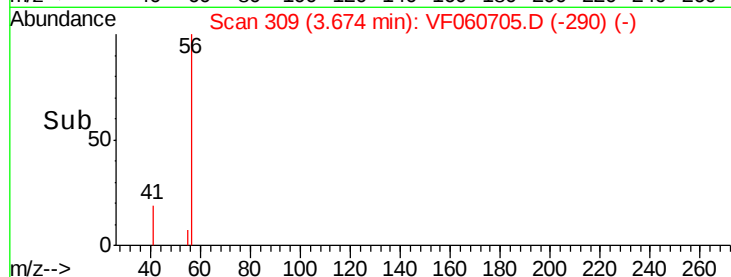
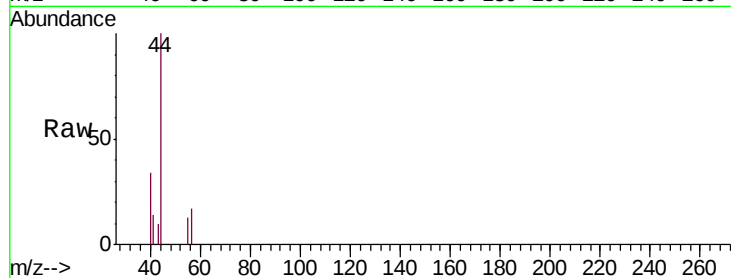




#31
Cyclohexane
Concen: 10.593 ug/l
RT: 3.67 min Scan# 309
Delta R.T. -0.01 min
Lab File: VF060705.D
Acq: 13 Nov 2018 1:17

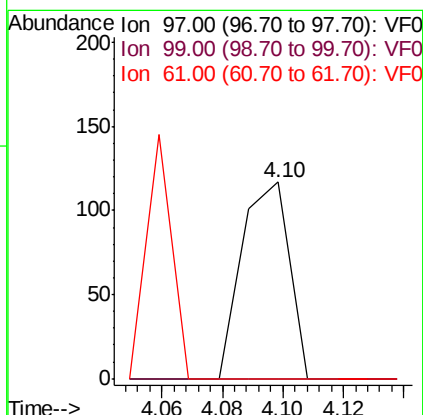
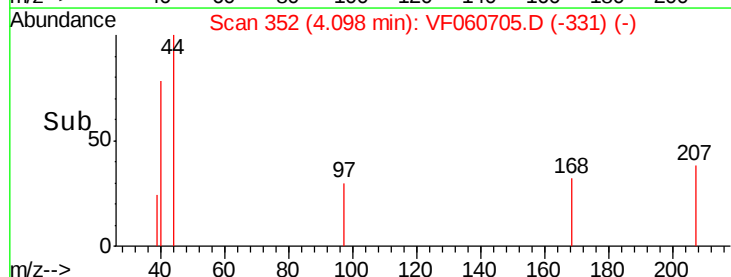
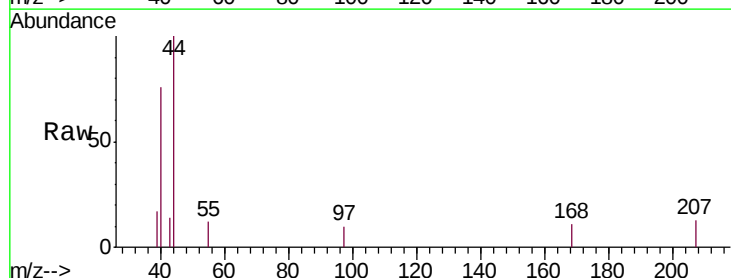
Instrument :
MSVOA_F
ClientSampleId :
SR-6-S

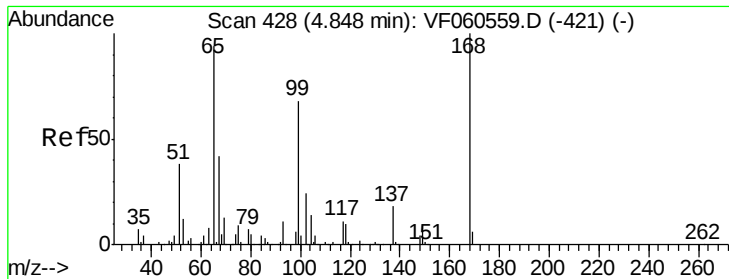
Tgt Ion: 56 Resp: 229
Ion Ratio Lower Upper
56 100
69 0.0 23.0 34.4#
84 0.0 67.1 100.7#



#32
1,1,1-Trichloroethane
Concen: 7.453 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.01 min
Lab File: VF060705.D
Acq: 13 Nov 2018 1:17

Tgt Ion: 97 Resp: 129
Ion Ratio Lower Upper
97 100
99 0.0 52.4 78.6#
61 0.0 41.5 62.3#





#33

1,2-Dichloroethane-d4

Concen: 5.606 ug/l

RT: 4.77 min Scan# 420

Delta R.T. -0.08 min

Lab File: VF060705.D

Acq: 13 Nov 2018 1:17

Instrument :

MSVOA_F

ClientSampleId :

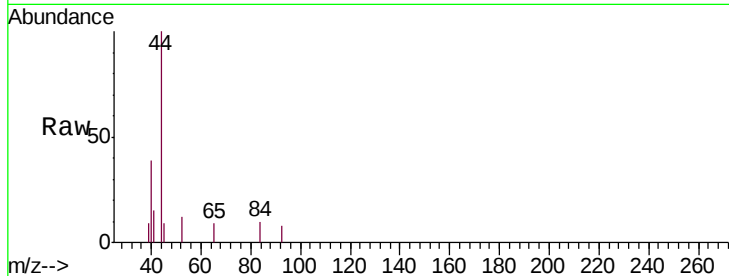
SR-6-S

Tgt Ion: 65 Resp: 61

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

120

100

80

60

40

20

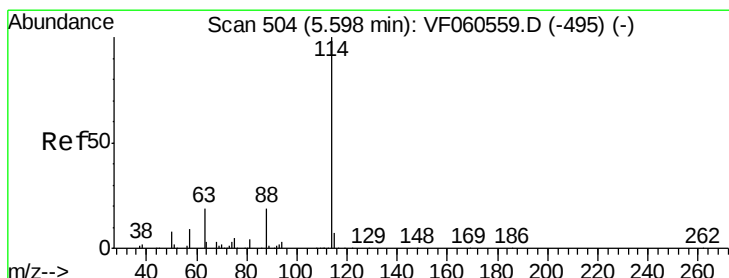
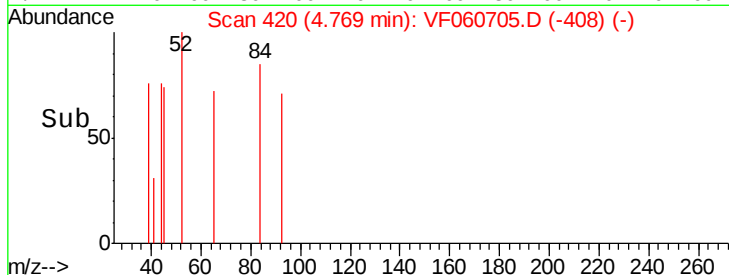
0

4.76

4.77

4.78

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.00 min

Lab File: VF060705.D

Acq: 13 Nov 2018 1:17

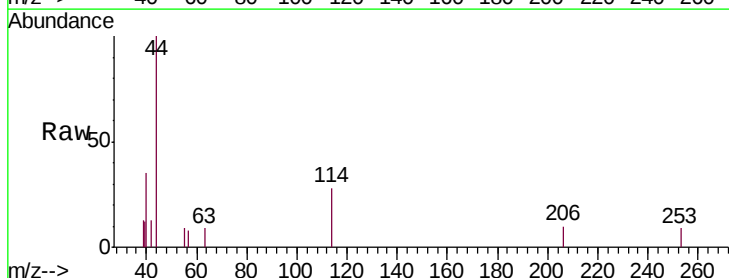
Tgt Ion: 114 Resp: 843

Ion Ratio Lower Upper

114 100

63 32.8 0.0 39.0

88 0.0 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

400

300

200

100

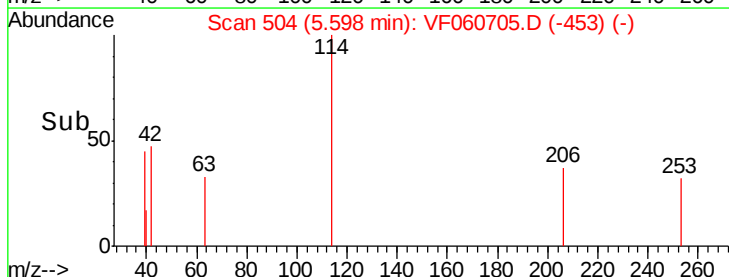
0

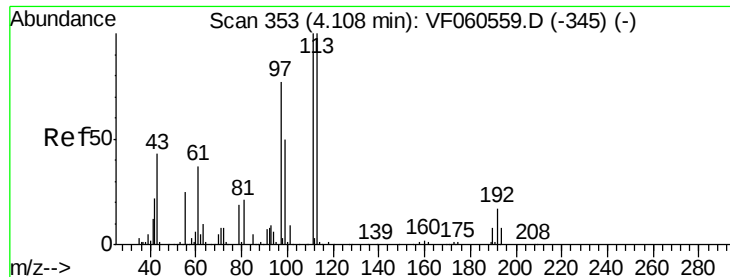
5.55

5.60

5.65

Time-->





#35

Dibromofluoromethane

Concen: 15.507 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF060705.D

Acq: 13 Nov 2018 1:17

Instrument :

MSVOA_F

ClientSampleId :

SR-6-S

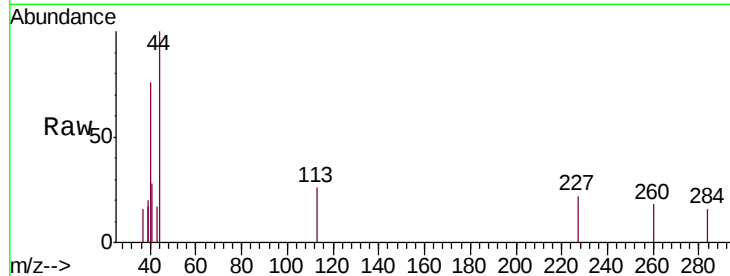
Tgt Ion: 113 Resp: 101

Ion Ratio Lower Upper

113 100

111 0.0 79.9 119.9#

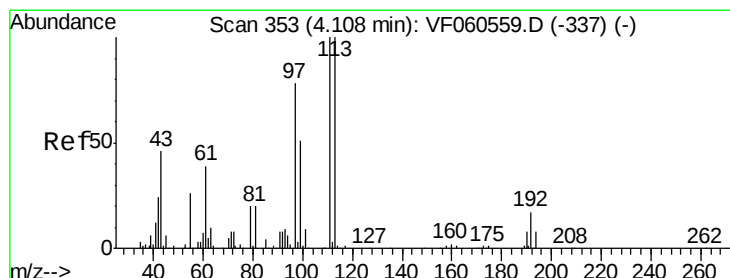
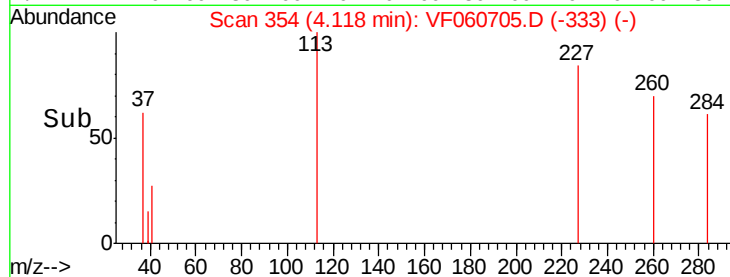
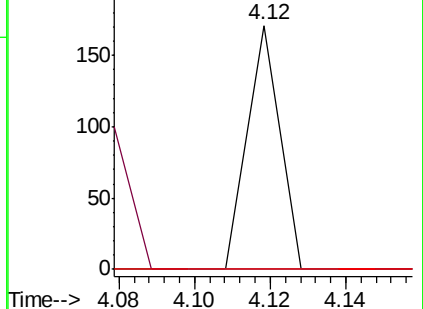
192 0.0 13.3 19.9#



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



#37

Ethyl Acetate

Concen: 109.074 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF060705.D

Acq: 13 Nov 2018 1:17

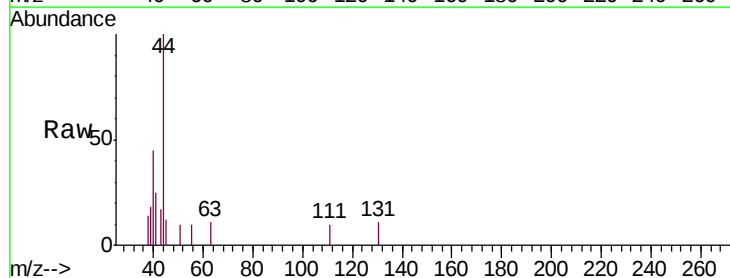
Tgt Ion: 43 Resp: 486

Ion Ratio Lower Upper

43 100

61 0.0 63.4 95.2#

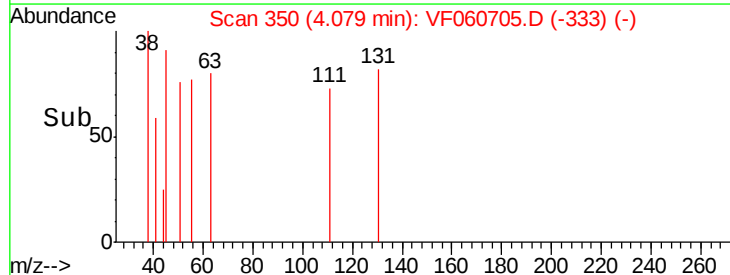
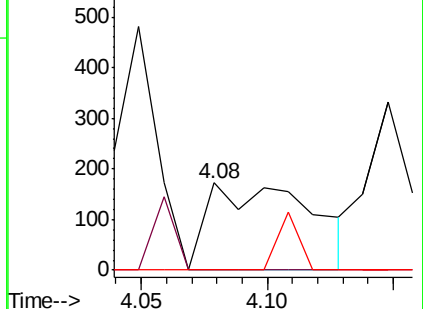
70 0.0 9.3 13.9#

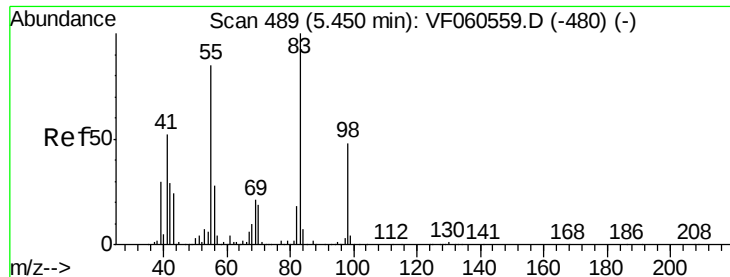


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0





#39

Methylcyclohexane

Concen: 6.180 ug/l

RT: 5.45 min Scan# 489

Delta R.T. 0.00 min

Lab File: VF060705.D

Acq: 13 Nov 2018 1:17

Instrument :

MSVOA_F

ClientSampleId :

SR-6-S

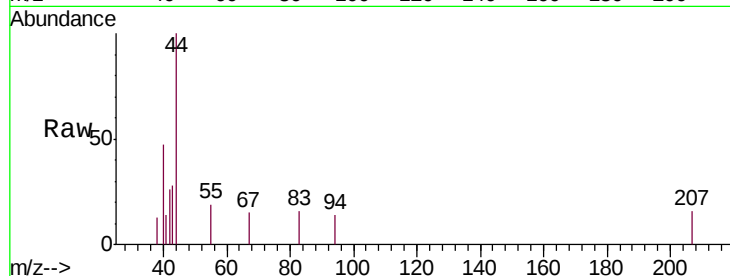
Tgt Ion: 83 Resp: 70

Ion Ratio Lower Upper

83 100

55 118.5 69.1 103.7#

98 0.0 38.6 57.8#

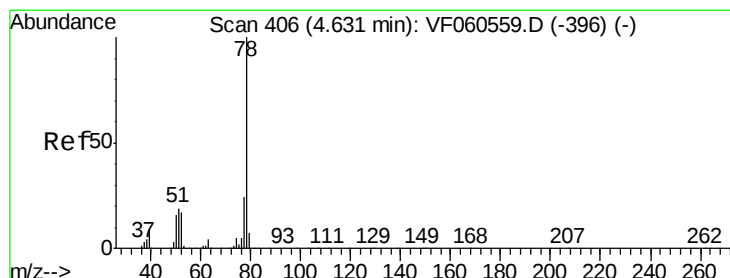
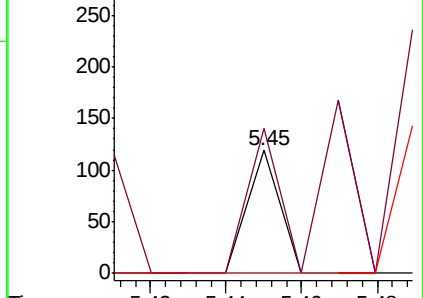
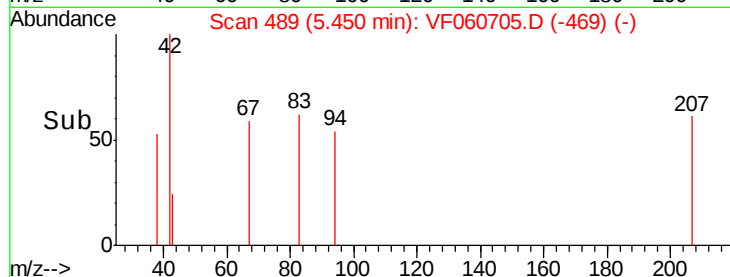


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Time-->



#40

Benzene

Concen: 5.504 ug/l

RT: 4.60 min Scan# 403

Delta R.T. -0.03 min

Lab File: VF060705.D

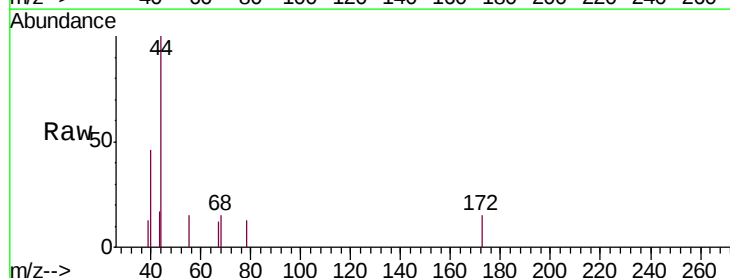
Acq: 13 Nov 2018 1:17

Tgt Ion: 78 Resp: 124

Ion Ratio Lower Upper

78 100

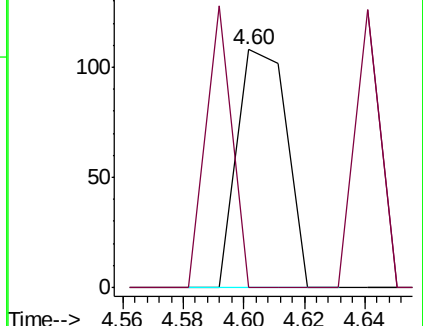
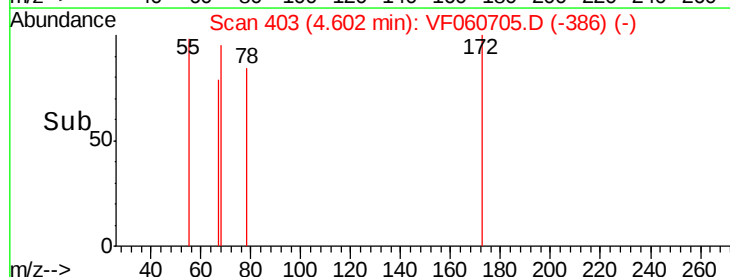
77 0.0 19.3 28.9#

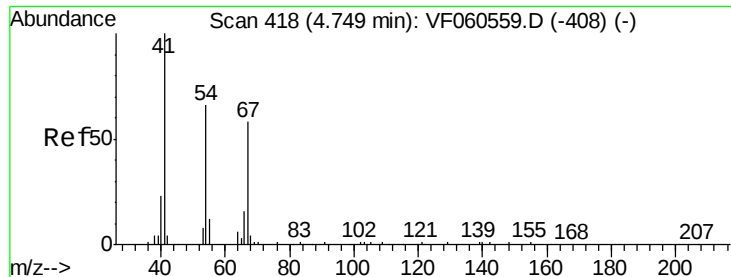


Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

Time-->

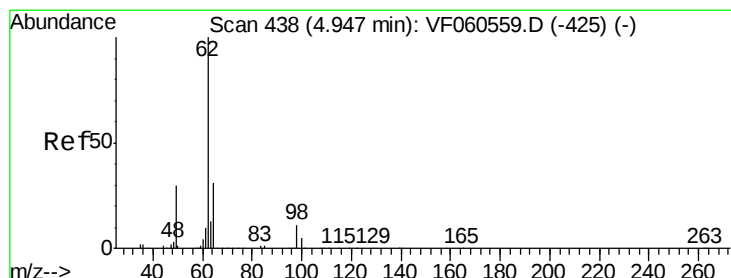
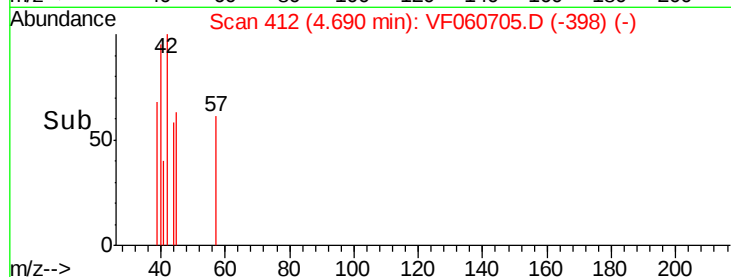
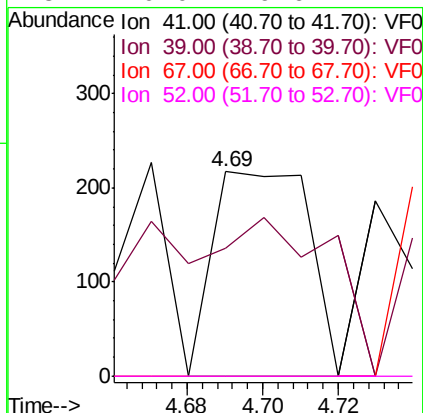
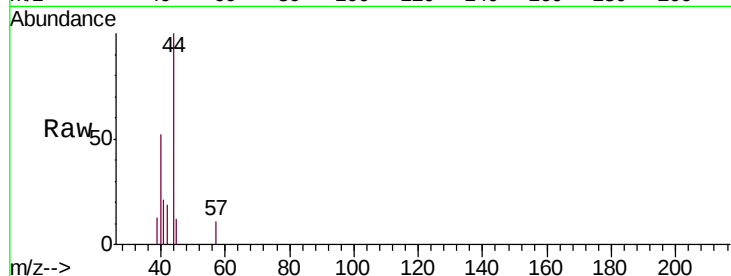




#41
Methacrylonitrile
Concen: 150.596 ug/l
RT: 4.69 min Scan# 412
Delta R.T. -0.06 min
Lab File: VF060705.D
Acq: 13 Nov 2018 1:17

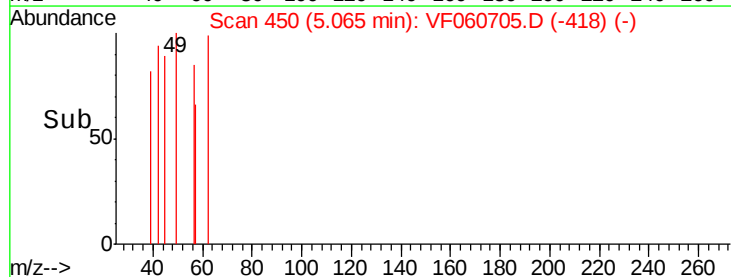
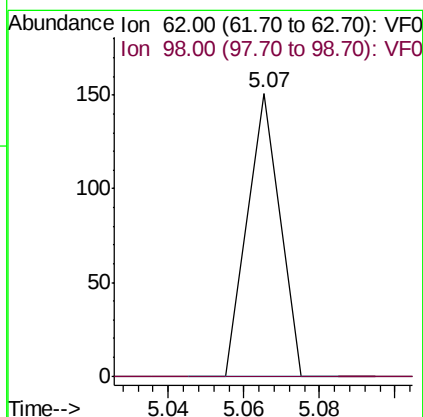
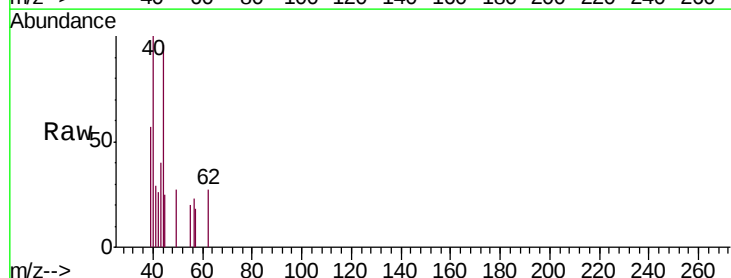
Instrument :
MSVOA_F
ClientSampleId :
SR-6-S

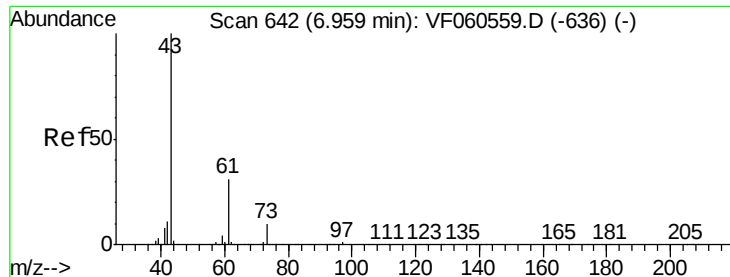
Tgt Ion:	41	Resp:	380
Ion	Ratio	Lower	Upper
41	100		
39	62.7	45.6	68.4
67	0.0	45.3	67.9#
52	0.0	29.6	44.4#



#42
1,2-Dichloroethane
Concen: 13.763 ug/l
RT: 5.07 min Scan# 450
Delta R.T. 0.12 min
Lab File: VF060705.D
Acq: 13 Nov 2018 1:17

Tgt Ion:	62	Resp:	89
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	22.4



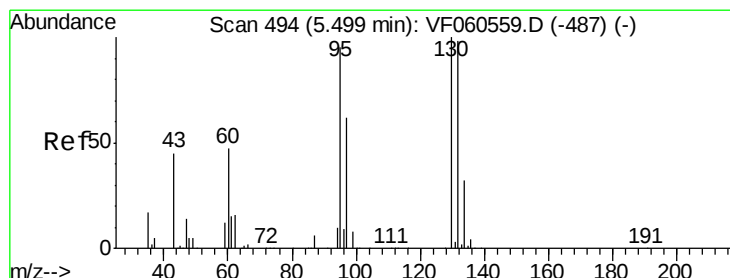
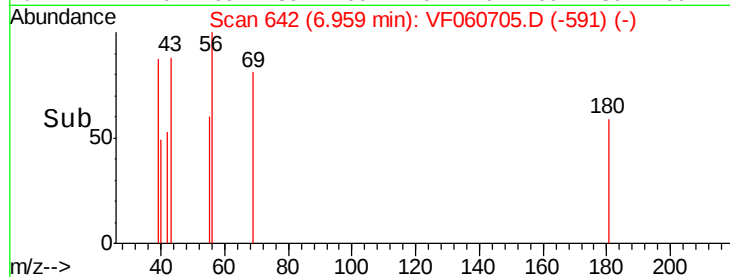
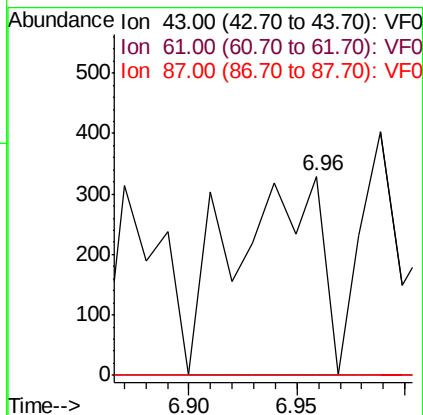
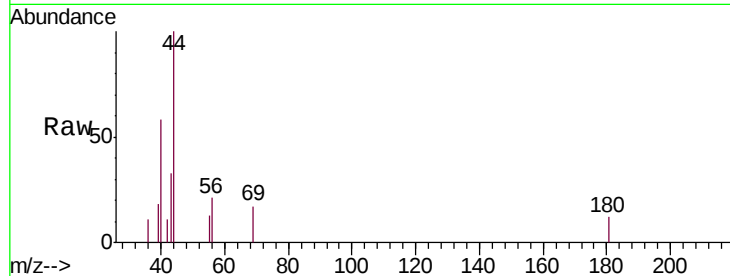


#43

Isopropyl Acetate
 Concen: 163.766 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. 0.00 min
 Lab File: VF060705.D
 Acq: 13 Nov 2018 1:17

Instrument :
 MSVOA_F
 ClientSampled :
 SR-6-S

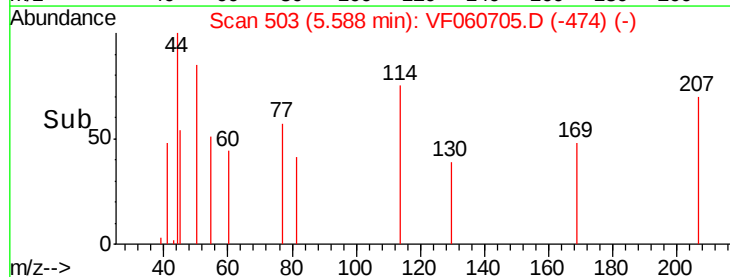
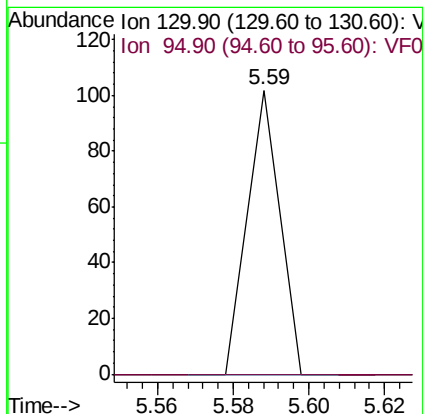
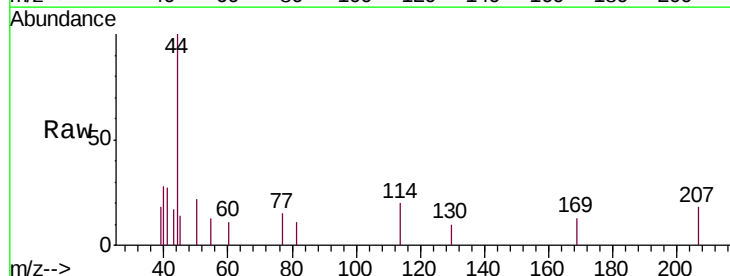
Tgt Ion: 43 Resp: 923
 Ion Ratio Lower Upper
 43 100
 61 0.0 24.2 36.2#
 87 0.0 0.2 0.4#

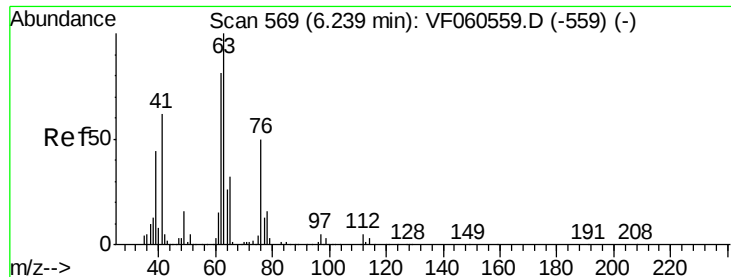


#44

Trichloroethene
 Concen: 8.861 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. 0.09 min
 Lab File: VF060705.D
 Acq: 13 Nov 2018 1:17

Tgt Ion: 130 Resp: 60
 Ion Ratio Lower Upper
 130 100
 95 0.0 0.0 191.0





#45

1,2-Dichloropropane

Concen: 11.801 ug/l

RT: 6.15 min Scan# 560

Delta R.T. -0.09 min

Lab File: VF060705.D

Acq: 13 Nov 2018 1:17

Instrument :

MSVOA_F

ClientSampled :

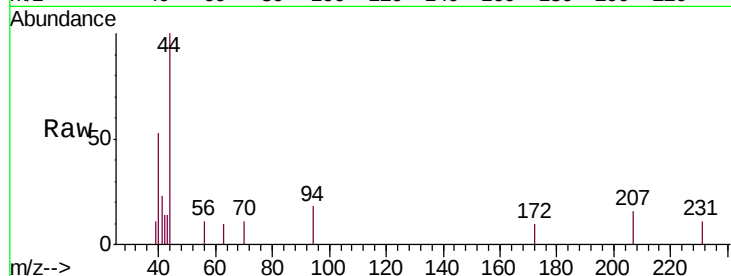
SR-6-S

Tgt Ion: 63 Resp: 68

Ion Ratio Lower Upper

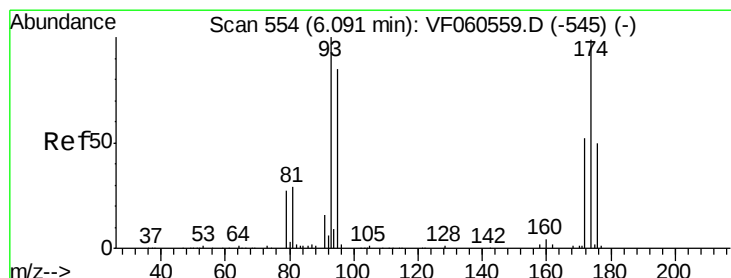
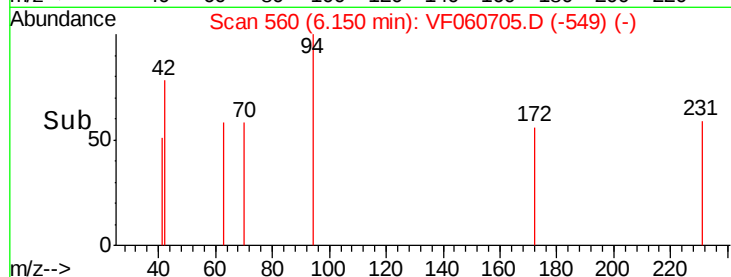
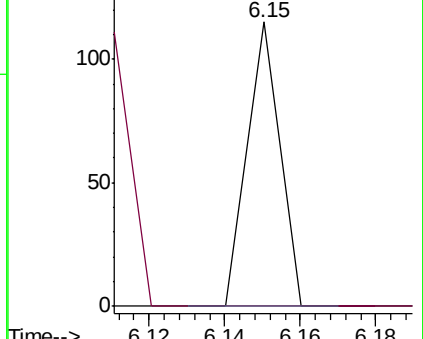
63 100

65 0.0 25.4 38.0#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 16.413 ug/l

RT: 6.12 min Scan# 557

Delta R.T. 0.03 min

Lab File: VF060705.D

Acq: 13 Nov 2018 1:17

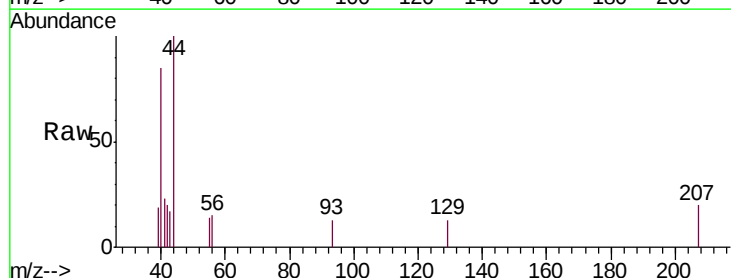
Tgt Ion: 93 Resp: 60

Ion Ratio Lower Upper

93 100

95 0.0 68.6 102.8#

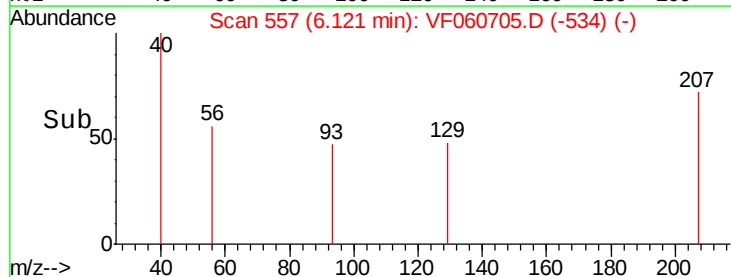
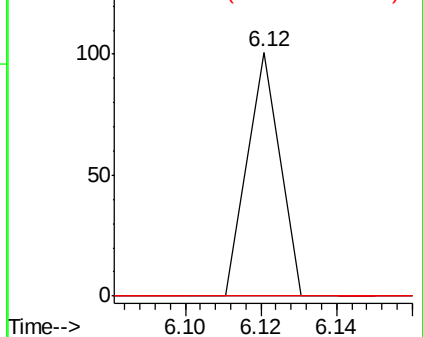
174 0.0 79.0 118.4#

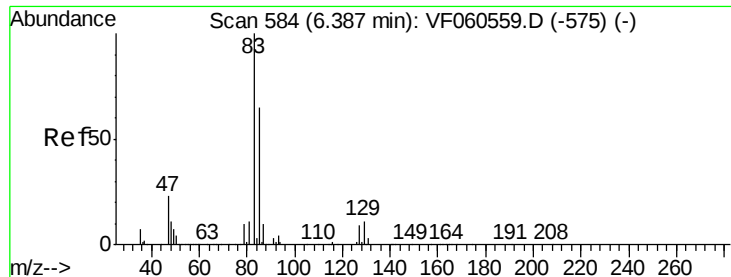


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 8.392 ug/l

RT: 6.31 min Scan# 576

Delta R.T. -0.08 min

Lab File: VF060705.D

Acq: 13 Nov 2018 1:17

Instrument :

MSVOA_F

ClientSampleId :

SR-6-S

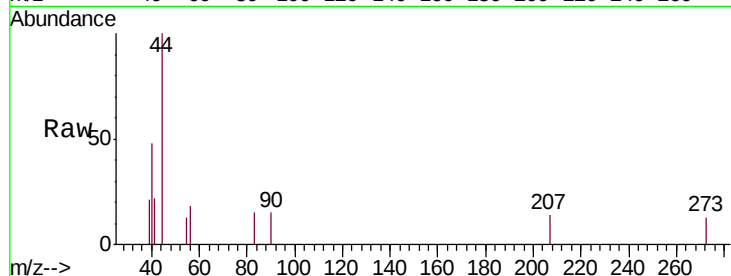
Tgt Ion: 83 Resp: 74

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

6.31

150

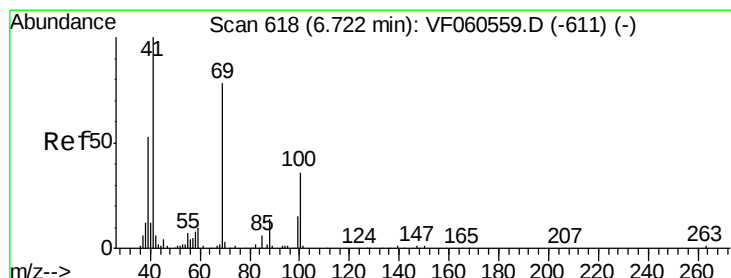
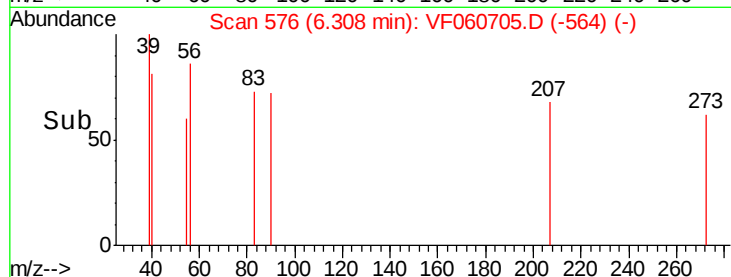
100

50

0

6.28 6.30 6.32 6.34

Time-->



#48

Methyl methacrylate

Concen: 306.023 ug/l

RT: 6.77 min Scan# 623

Delta R.T. 0.05 min

Lab File: VF060705.D

Acq: 13 Nov 2018 1:17

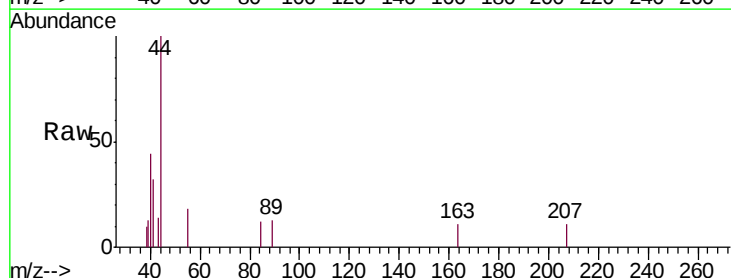
Tgt Ion: 41 Resp: 1084

Ion Ratio Lower Upper

41 100

69 0.0 61.1 91.7#

39 39.7 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

6.77

500

400

300

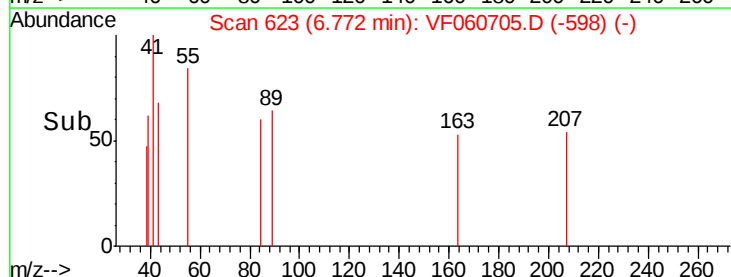
200

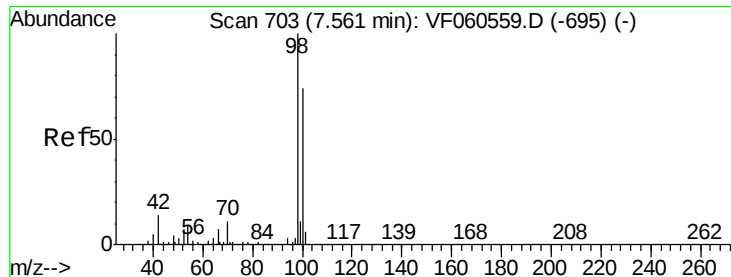
100

0

6.65 6.70 6.75 6.80

Time-->

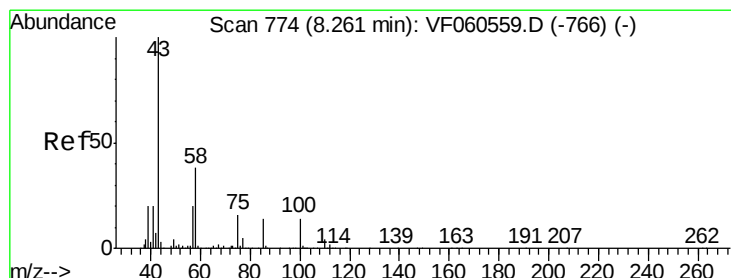
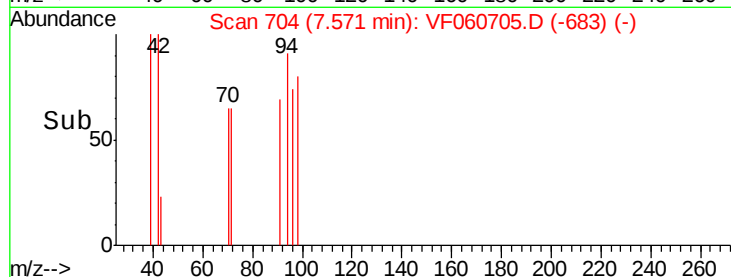
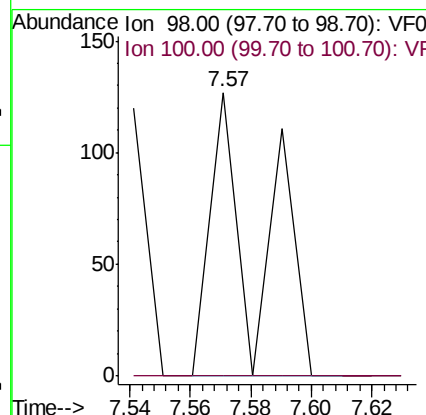
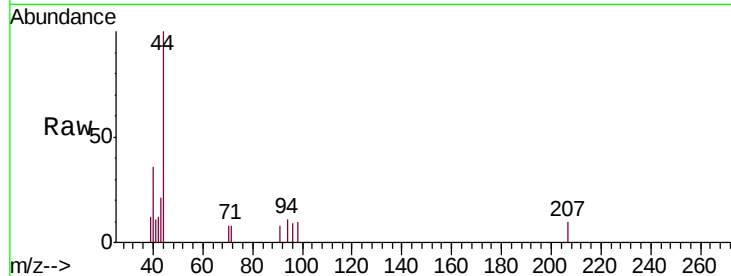




#50
Toluene-d8
Concen: 7.308 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.01 min
Lab File: VF060705.D
Acq: 13 Nov 2018 1:17

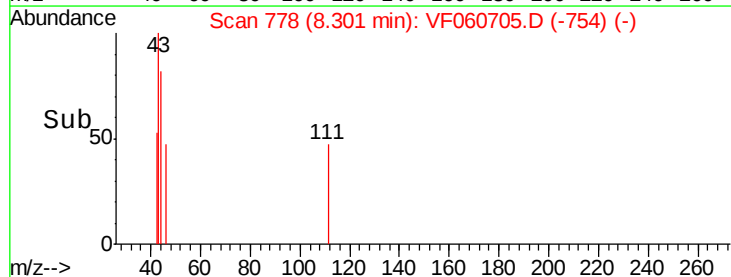
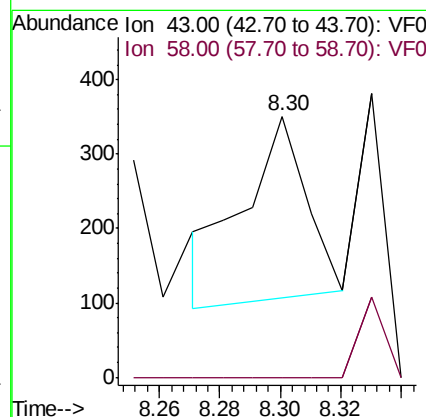
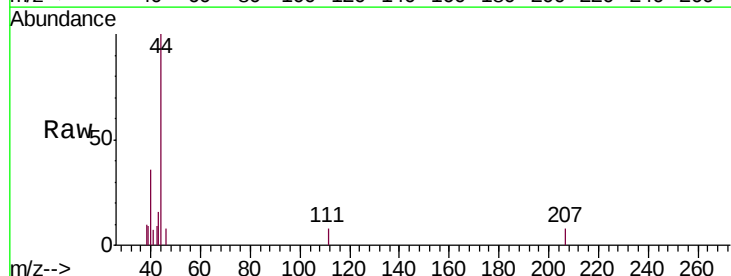
Instrument :
MSVOA_F
ClientSampled :
SR-6-S

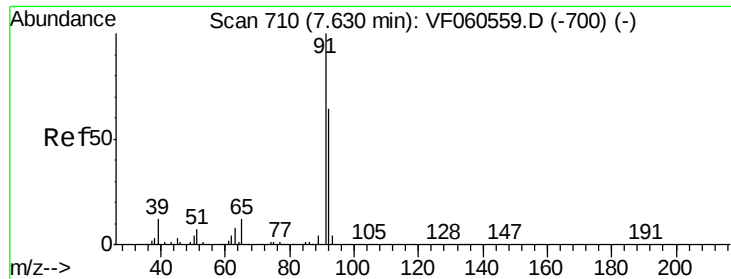
Tgt Ion: 98 Resp: 141
Ion Ratio Lower Upper
98 100
100 0.0 59.4 89.2#



#51
4-Methyl-2-Pentanone
Concen: 94.457 ug/l
RT: 8.30 min Scan# 778
Delta R.T. 0.04 min
Lab File: VF060705.D
Acq: 13 Nov 2018 1:17

Tgt Ion: 43 Resp: 358
Ion Ratio Lower Upper
43 100
58 0.0 30.1 45.1#





#52

Toluene

Concen: 5.042 ug/l

RT: 7.51 min Scan# 698

Delta R.T. -0.12 min

Lab File: VF060705.D

Acq: 13 Nov 2018 1:17

Instrument :

MSVOA_F

ClientSampled :

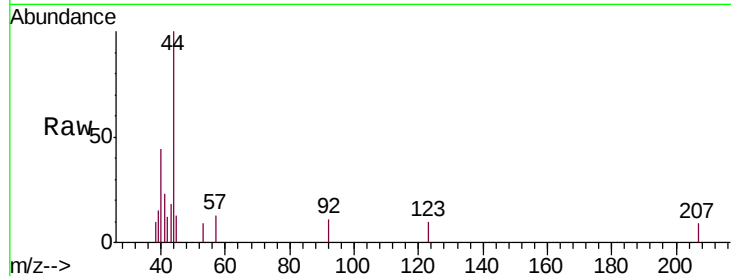
SR-6-S

Tgt Ion: 92 Resp: 74

Ion Ratio Lower Upper

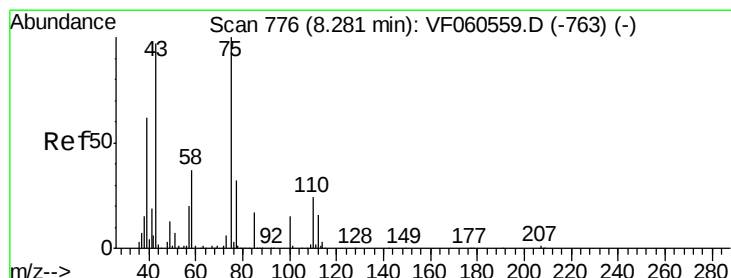
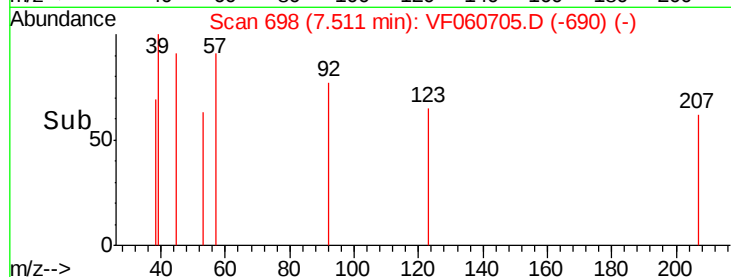
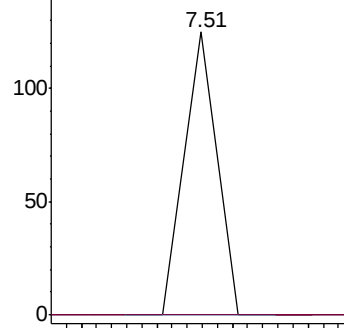
92 100

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: 11.483 ug/l

RT: 8.31 min Scan# 779

Delta R.T. 0.03 min

Lab File: VF060705.D

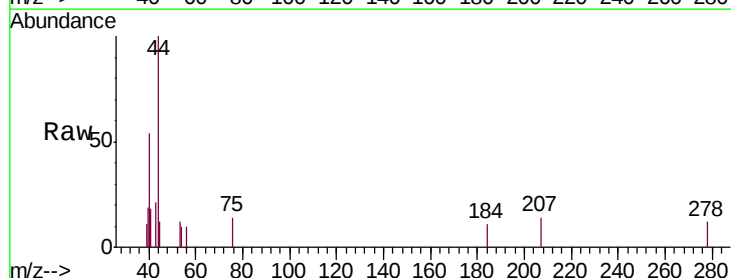
Acq: 13 Nov 2018 1:17

Tgt Ion: 75 Resp: 88

Ion Ratio Lower Upper

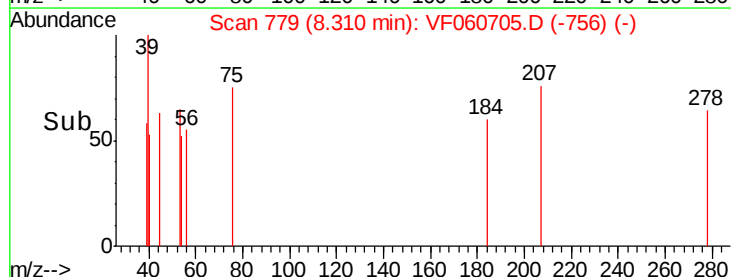
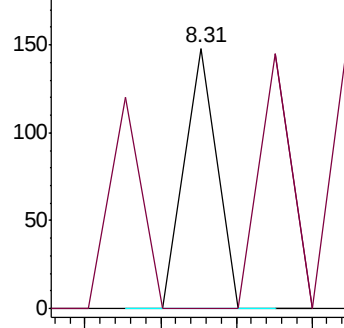
75 100

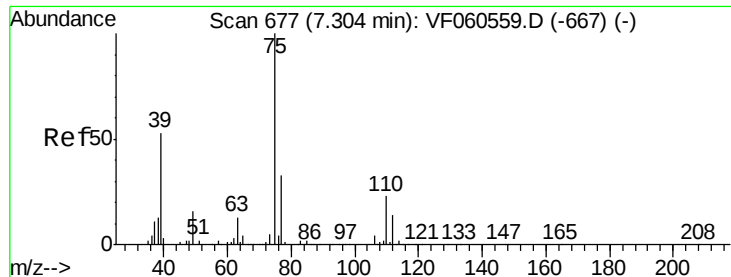
77 0.0 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#54

cis-1,3-Dichloropropene

Concen: 6.300 ug/l

RT: 7.45 min Scan# 692

Delta R.T. 0.15 min

Lab File: VF060705.D

Acq: 13 Nov 2018 1:17

Instrument :

MSVOA_F

ClientSampleId :

SR-6-S

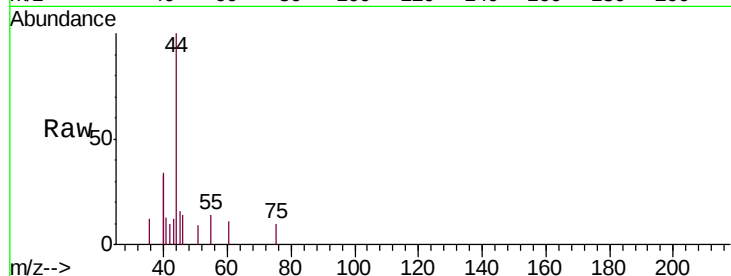
Tgt Ion: 75 Resp: 61

Ion Ratio Lower Upper

75 100

77 0.0 26.7 40.1#

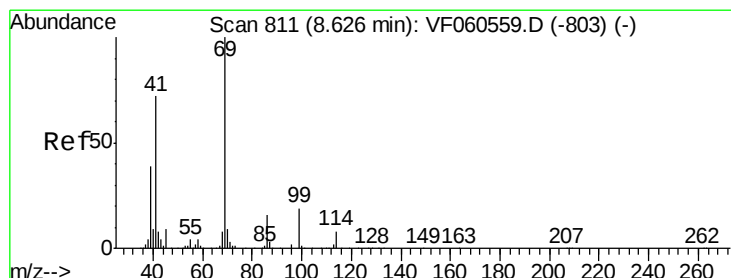
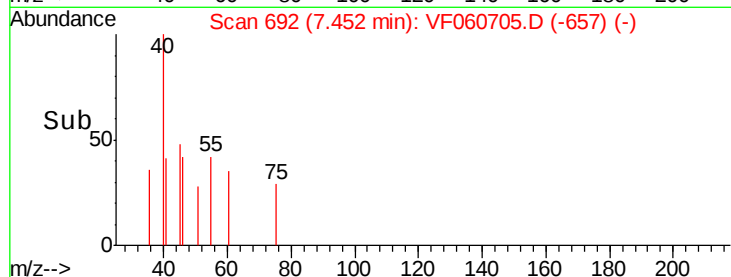
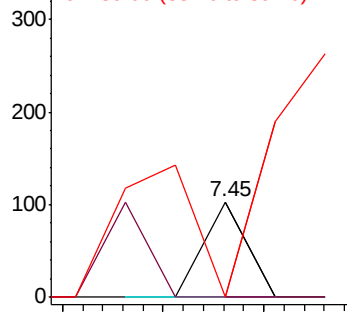
39 0.0 43.0 64.4#



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: 11.101 ug/l

RT: 8.66 min Scan# 814

Delta R.T. 0.03 min

Lab File: VF060705.D

Acq: 13 Nov 2018 1:17

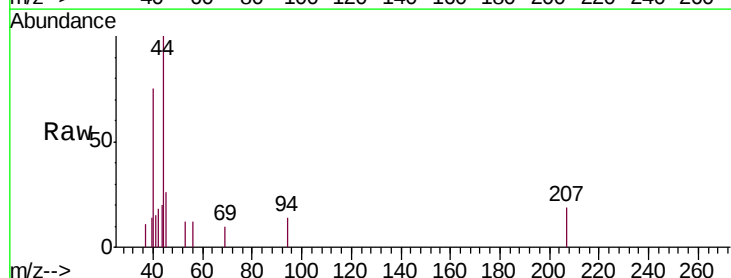
Tgt Ion: 69 Resp: 61

Ion Ratio Lower Upper

69 100

41 152.4 59.2 88.8#

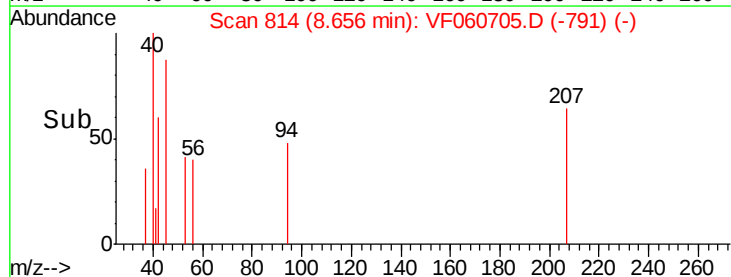
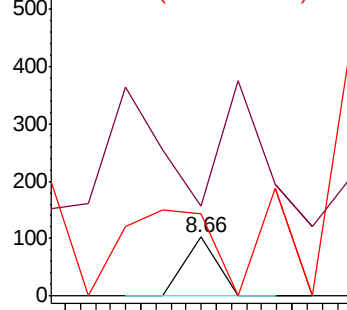
39 138.8 32.3 48.5#

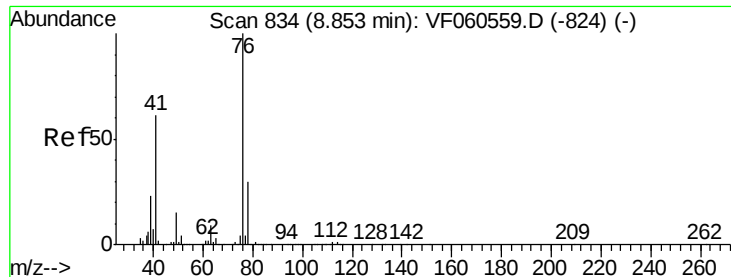


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 8.007 ug/l

RT: 8.85 min Scan# 834

Delta R.T. 0.00 min

Lab File: VF060705.D

Acq: 13 Nov 2018 1:17

Instrument :

MSVOA_F

ClientSampleId :

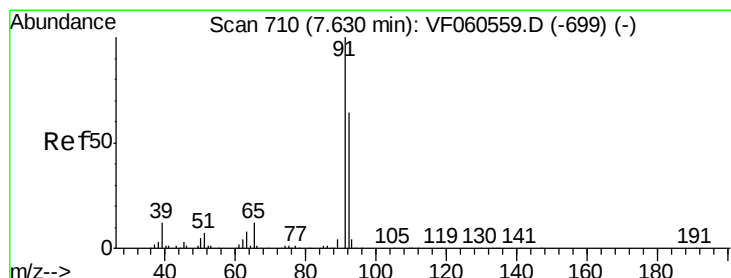
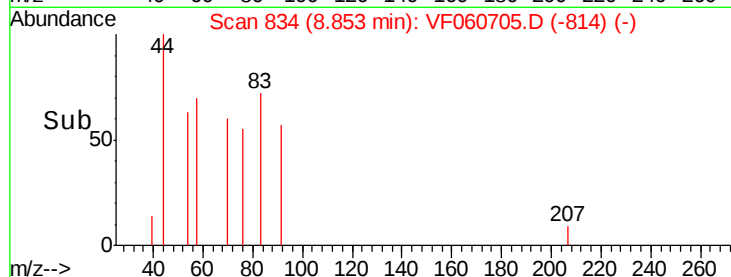
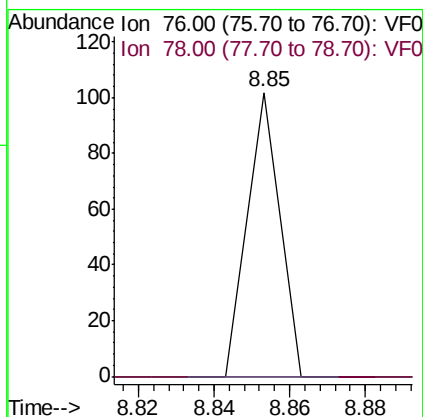
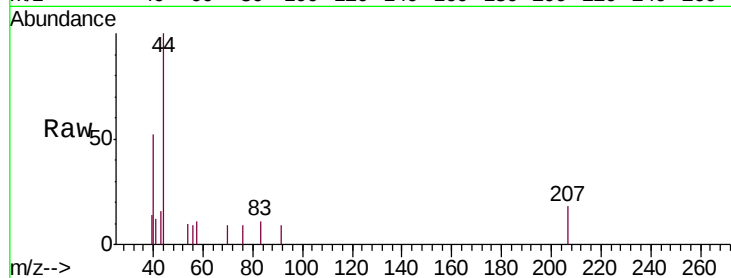
SR-6-S

Tgt Ion: 76 Resp: 60

Ion Ratio Lower Upper

76 100

78 0.0 24.2 36.4#



#58

2-Chloroethyl Vinyl ether

Concen: 166.589 ug/l

RT: 7.74 min Scan# 721

Delta R.T. 0.11 min

Lab File: VF060705.D

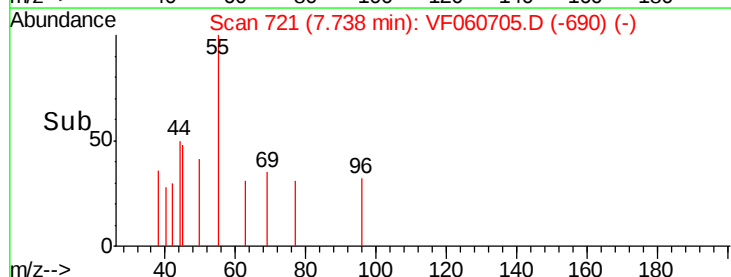
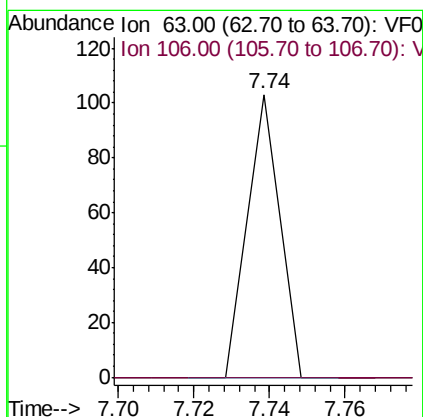
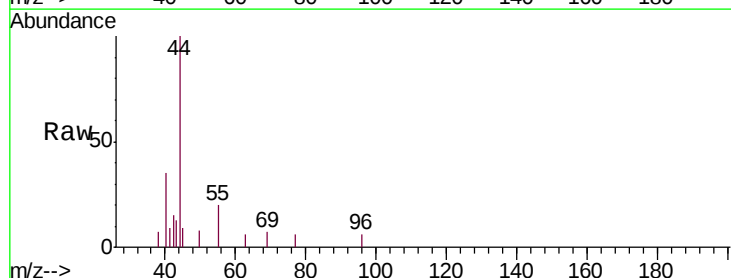
Acq: 13 Nov 2018 1:17

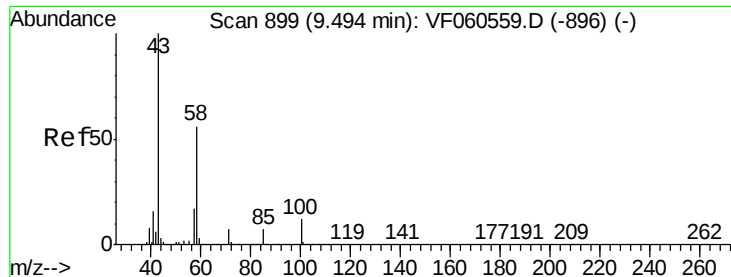
Tgt Ion: 63 Resp: 61

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

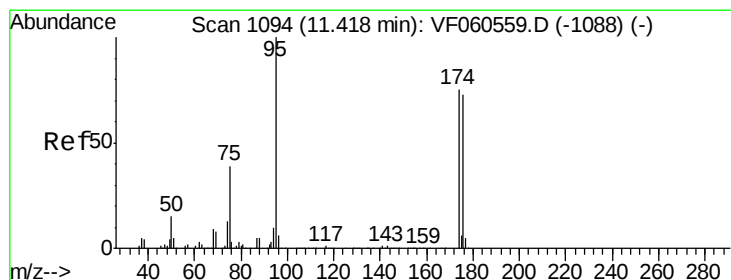
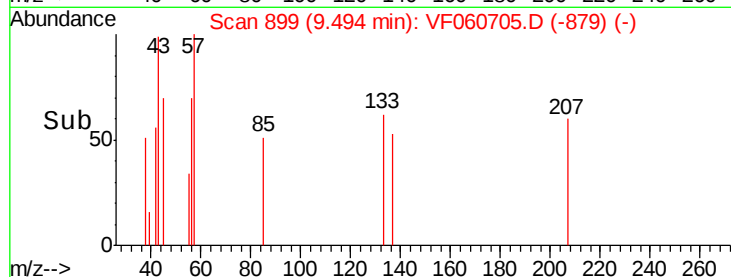
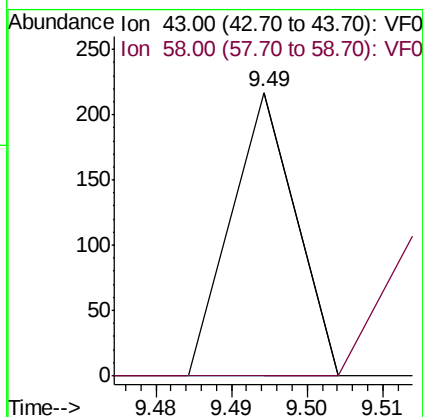
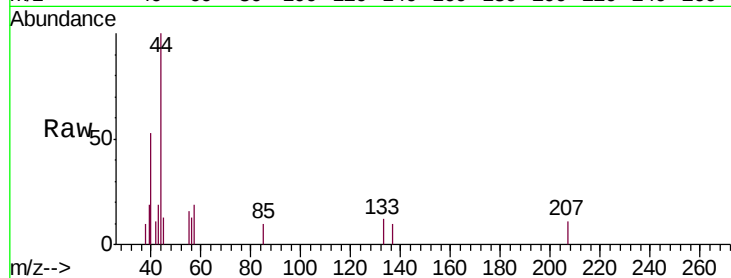




#59
2-Hexanone
Concen: 28.299 ug/l
RT: 9.49 min Scan# 899
Delta R.T. 0.00 min
Lab File: VF060705.D
Acq: 13 Nov 2018 1:17

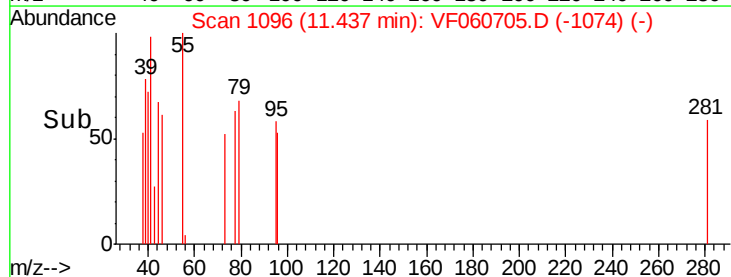
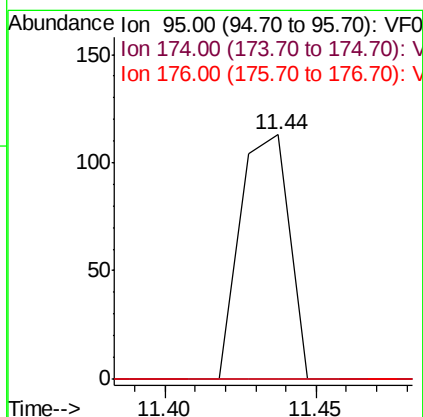
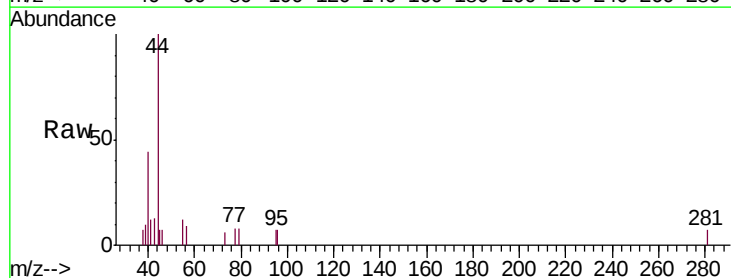
Instrument :
MSVOA_F
ClientSampleId :
SR-6-S

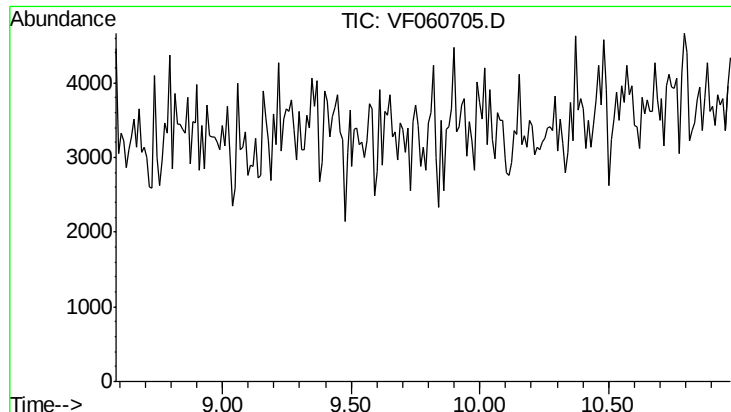
Tgt Ion: 43 Resp: 128
Ion Ratio Lower Upper
43 100
58 0.0 26.1 78.3#



#62
4-Bromofluorobenzene
Concen: 15.167 ug/l
RT: 11.44 min Scan# 1096
Delta R.T. 0.02 min
Lab File: VF060705.D
Acq: 13 Nov 2018 1:17

Tgt Ion: 95 Resp: 128
Ion Ratio Lower Upper
95 100
174 0.0 0.0 149.0
176 0.0 0.0 145.6



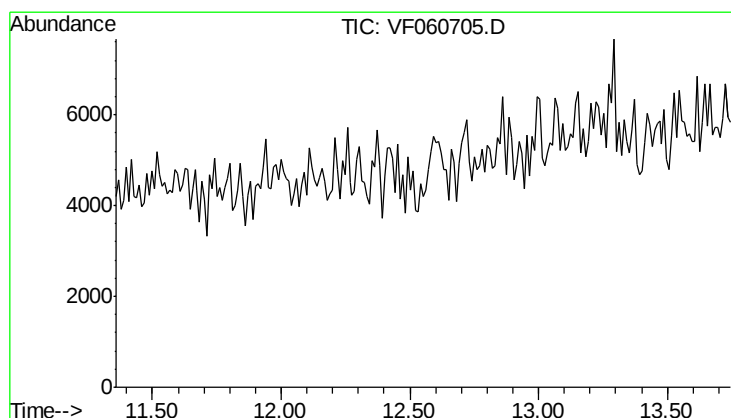
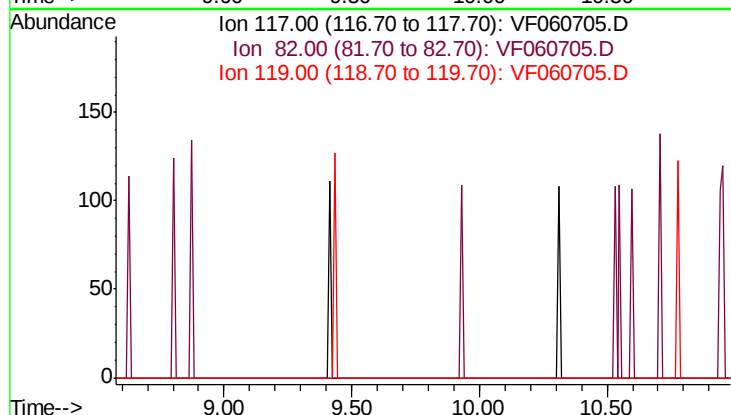


#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 9.78 min

Lab File: VF060705.D
 Acq: 13 Nov 2018 1:17

Instrument :
 MSVOA_F
 ClientSampleId :
 SR-6-S

Tgt Ion: 117
 Sig Exp Ratio
 117 100
 82 54.9
 119 34.2



#72
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ug/l
 Expected RT: 12.55 min

Lab File: VF060705.D
 Acq: 13 Nov 2018 1:17

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

