

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110818\
 Data File : VF060651.D
 Acq On : 8 Nov 2018 15:54
 Operator : VA/AP
 Sample : J5768-01RE
 Misc : 7.25g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OK-02-110718-ARE

Quant Time: Nov 09 12:33:02 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	2308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	2495	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	390	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.55

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.82	65	442	18.95	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	37.90%	
35) Dibromofluoromethane	4.11	113	471	24.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.86%	
50) Toluene-d8	7.55	98	1274	22.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.62%	
62) 4-Bromofluorobenzene	11.42	95	92	3.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	215	5.338	ug/l #	41
3) Chloromethane	1.08	50	292	14.456	ug/l #	45
4) Vinyl Chloride	0.97	62	78	4.191	ug/l #	48
5) Bromomethane	1.38	94	158	15.123	ug/l #	1
6) Chloroethane	1.36	64	116	14.182	ug/l #	40
8) Diethyl Ether	1.66	74	66	10.222	ug/l	54
9) 1,1,2-Trichlorotrifluoroet	1.96	101	78	3.918	ug/l #	23
11) Tert butyl alcohol	2.50	59	62	45.217	ug/l #	1
12) 1,1-Dichloroethene	1.68	96	81	4.831	ug/l #	1
13) Acrolein	1.95	56	241	325.238	ug/l	86
14) Allyl chloride	2.08	41	178	6.502	ug/l #	40
15) Acrylonitrile	2.98	53	63	22.669	ug/l #	15
16) Acetone	2.24	43	547	99.546	ug/l #	59
17) Carbon Disulfide	1.80	76	69	1.461	ug/l #	1
18) Methyl Acetate	2.31	43	835	97.369	ug/l #	64
19) Methyl tert-butyl Ether	2.43	73	104	2.653	ug/l #	1
20) Methylene Chloride	2.22	84	83	Below Cal	#	7
21) trans-1,2-Dichloroethene	2.40	96	73	4.150	ug/l #	1
22) Diisopropyl ether	2.79	45	126	2.172	ug/l #	42
23) Vinyl Acetate	3.18	43	690	19.798	ug/l #	75
24) 1,1-Dichloroethane	2.88	63	196	5.839	ug/l #	89
25) 2-Butanone	4.32	43	402	7.842	ug/l #	56
26) 2,2-Dichloropropane	3.56	77	287	11.426	ug/l #	57
27) cis-1,2-Dichloroethene	3.46	96	69	2.055	ug/l	1
28) Bromochloromethane	3.56	49	66	3.133	ug/l #	13
29) Tetrahydrofuran	4.11	42	272	58.423	ug/l #	58
30) Chloroform	3.86	83	73	1.374	ug/l #	16
31) Cyclohexane	3.69	56	315	6.800	ug/l #	17
32) 1,1,1-Trichloroethane	4.08	97	65	1.752	ug/l #	21
37) Ethyl Acetate	4.13	43	578	43.830	ug/l #	17
39) Methylcyclohexane	5.54	83	65	1.939	ug/l #	1
41) Methacrylonitrile	4.69	41	383	51.284	ug/l #	26
43) Isopropyl Acetate	6.93	43	763	45.741	ug/l #	45
47) Bromodichloromethane	6.38	83	67	2.567	ug/l #	25

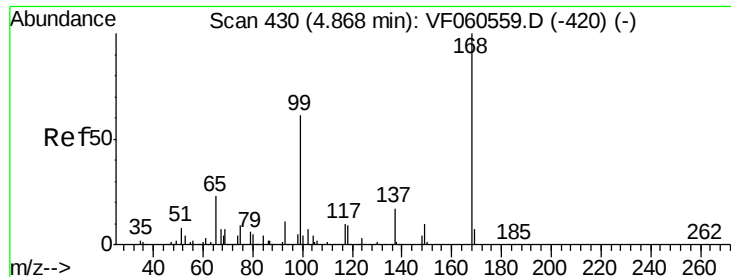
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110818\
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) Methyl methacrylate	6.75	41	326	31.096	ug/l #	17
51) 4-Methyl-2-Pentanone	8.25	43	682	60.798	ug/l #	37
52) Toluene	7.72	92	60	1.381	ug/l #	1
53) t-1,3-Dichloropropene	8.37	75	83	3.659	ug/l #	8
54) cis-1,3-Dichloropropene	7.30	75	66	2.303	ug/l #	1
55) 1,1,2-Trichloroethane	8.54	97	67	5.300	ug/l #	14
56) Ethyl methacrylate	8.62	69	95	5.841	ug/l #	14
57) 1,3-Dichloropropane	8.83	76	69	3.111	ug/l #	44
58) 2-Chloroethyl Vinyl ether	7.52	63	66	46.457	ug/l	100
59) 2-Hexanone	9.49	43	168	Below Cal	#	26
65) Chlorobenzene	9.64	112	67	8.401	ug/l #	41
67) Ethyl Benzene	9.99	91	79	5.458	ug/l #	44
70) Styrene	10.72	104	66	7.653	ug/l #	33

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.00 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

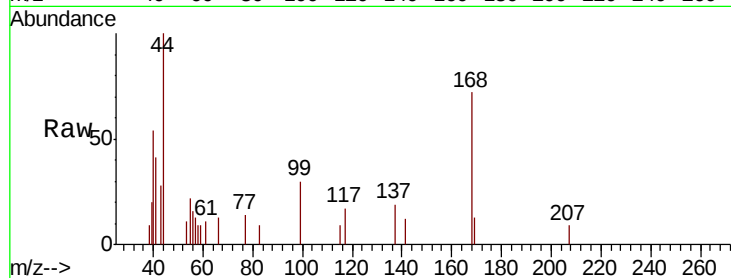
Instrument :
MSVOA_F
ClientSampleId :
OK-02-110718-ARE

Tot Ion:168 Resp: 2308

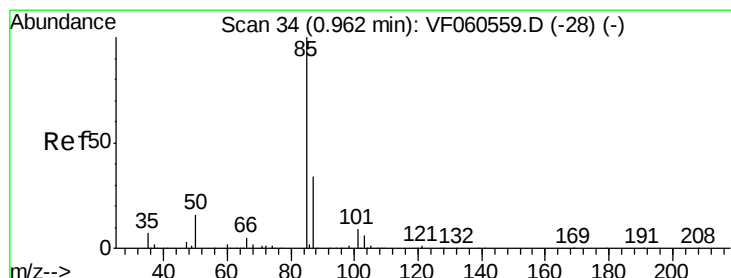
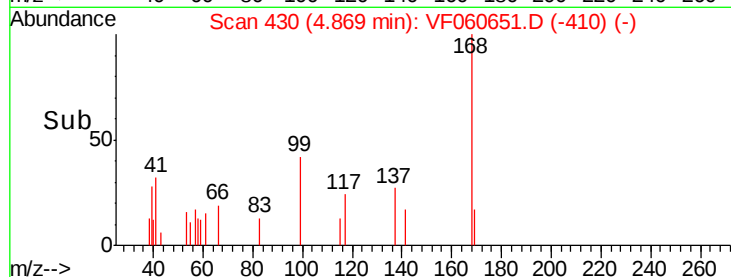
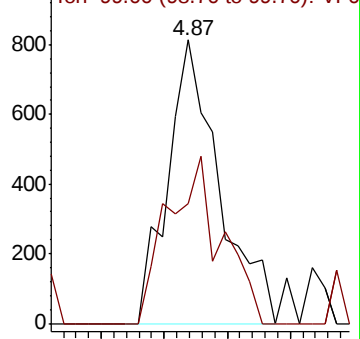
Ion Ratio Lower Upper

168 100

99 42.2 48.6 72.8#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 5.338 ug/l

RT: 0.97 min Scan# 35

Delta R.T. 0.01 min

Lab File: VF060651.D

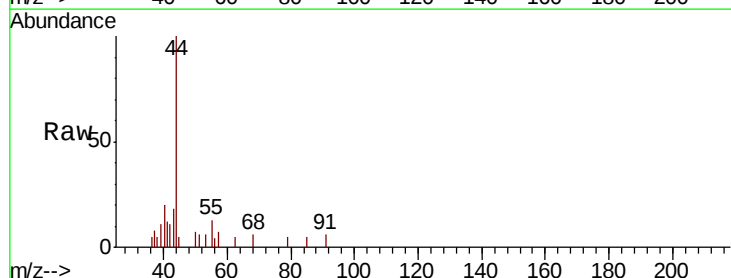
Acq: 8 Nov 2018 15:54

Tgt Ion: 85 Resp: 215

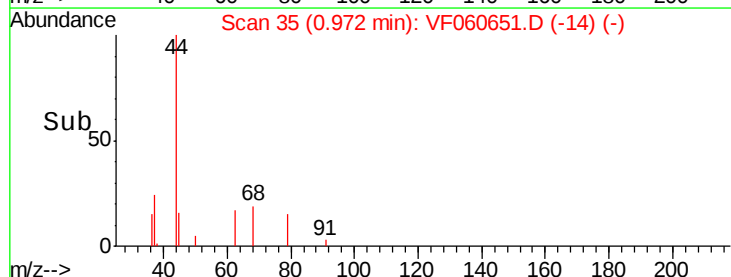
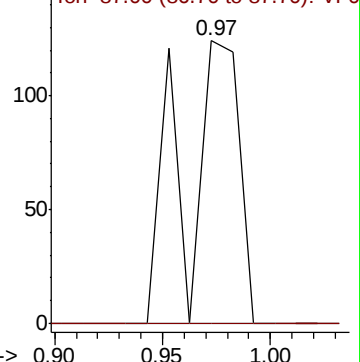
Ion Ratio Lower Upper

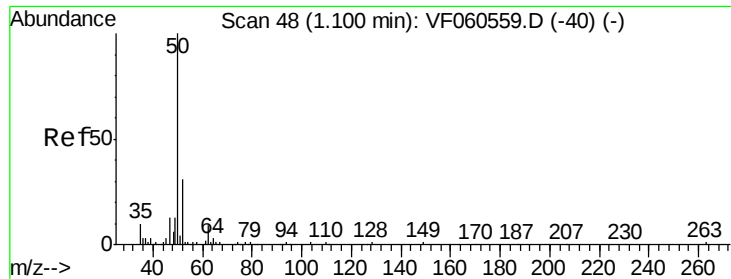
85 100

87 0.0 16.9 50.7#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 14.456 ug/l

RT: 1.08 min Scan# 46

Delta R.T. -0.02 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

Instrument :

MSVOA_F

ClientSampleId :

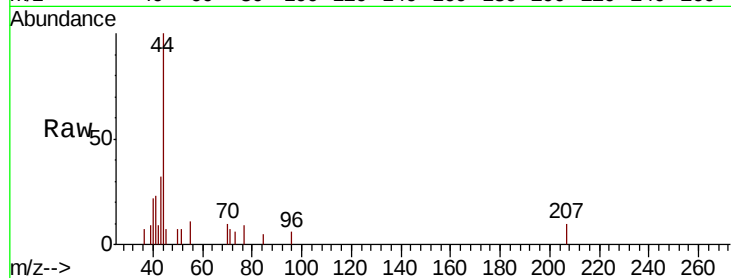
OK-02-110718-ARE

Tot Ion: 50 Resp: 292

Ion Ratio Lower Upper

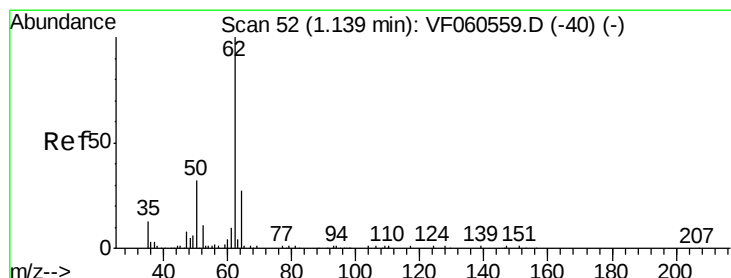
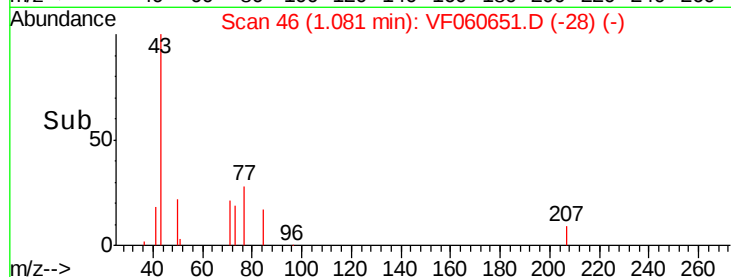
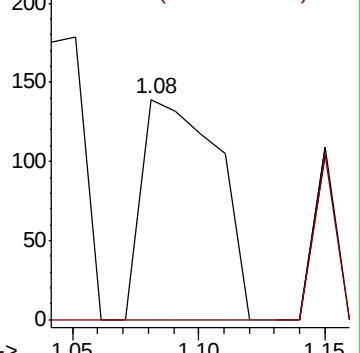
50 100

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



#4

Vinyl Chloride

Concen: 4.191 ug/l

RT: 0.97 min Scan# 35

Delta R.T. -0.17 min

Lab File: VF060651.D

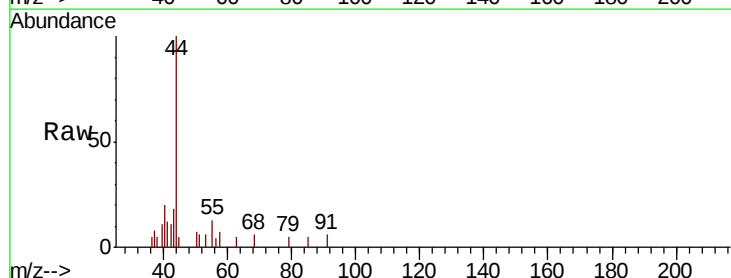
Acq: 8 Nov 2018 15:54

Tgt Ion: 62 Resp: 78

Ion Ratio Lower Upper

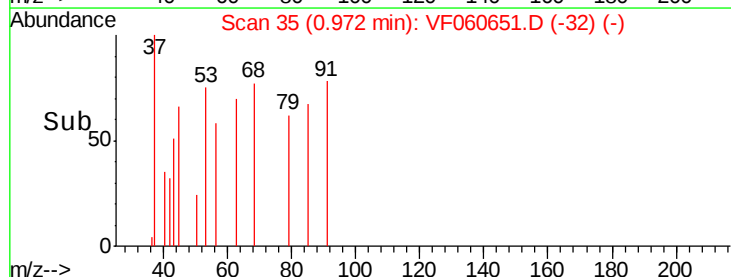
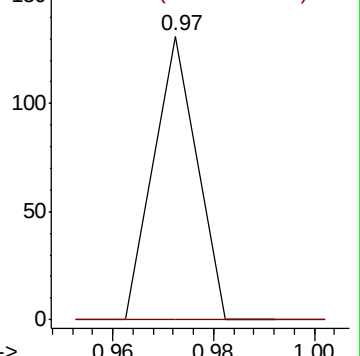
62 100

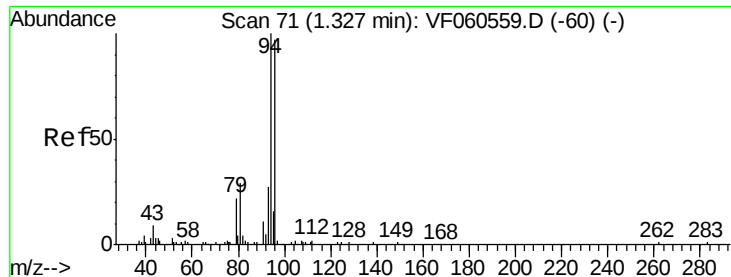
64 0.0 21.8 32.6#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 15.123 ug/l

RT: 1.38 min Scan# 76

Delta R.T. 0.05 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

Instrument :

MSVOA_F

ClientSampleId :

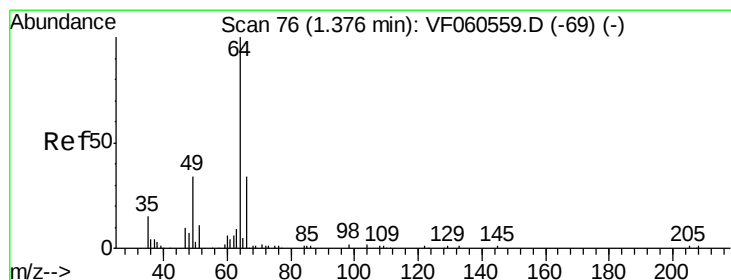
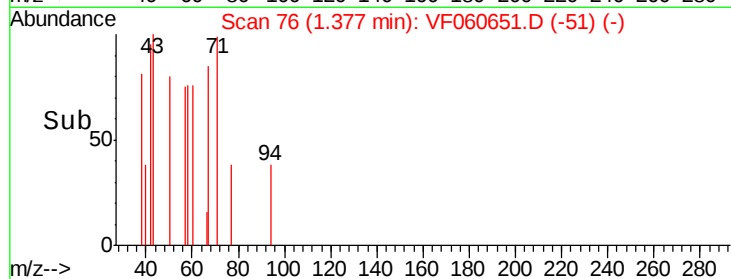
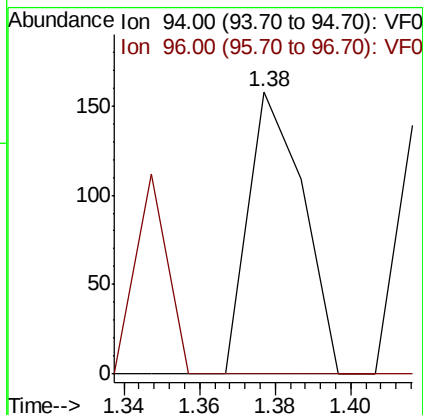
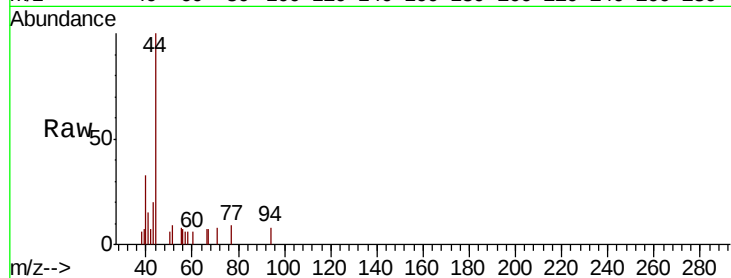
OK-02-110718-ARE

Tot Ion: 94 Resp: 158

Ion Ratio Lower Upper

94 100

96 0.0 77.9 116.9#



#6

Chloroethane

Concen: 14.182 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.02 min

Lab File: VF060651.D

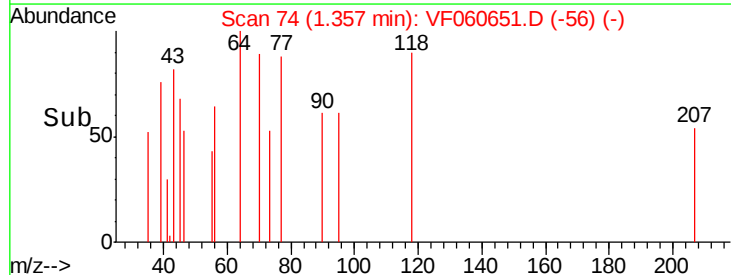
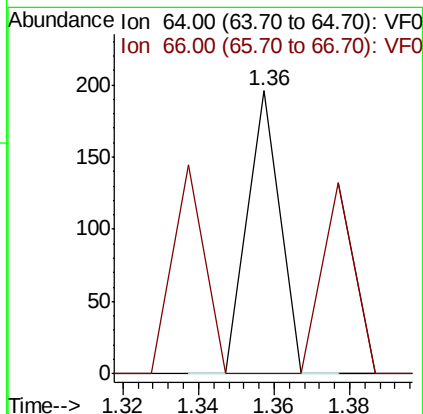
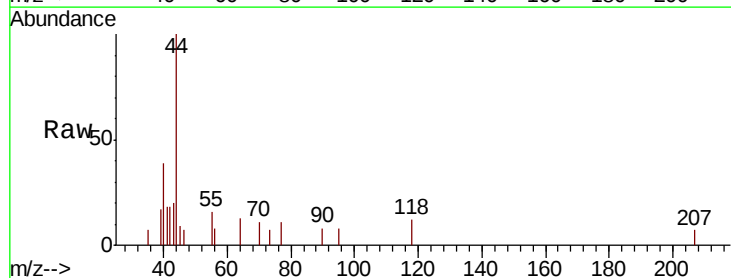
Acq: 8 Nov 2018 15:54

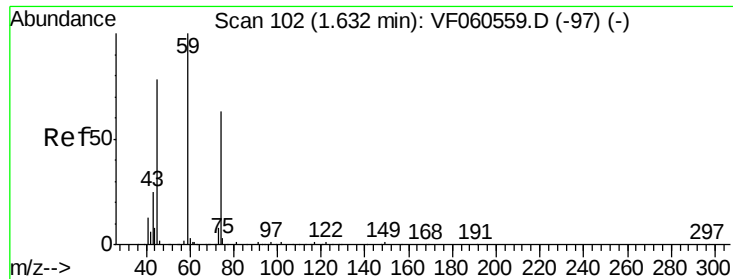
Tgt Ion: 64 Resp: 116

Ion Ratio Lower Upper

64 100

66 0.0 27.8 41.8#





#8

Diethyl Ether

Concen: 10.222 ug/l

RT: 1.66 min Scan# 105

Delta R.T. 0.03 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

Instrument :

MSVOA_F

ClientSampleId :

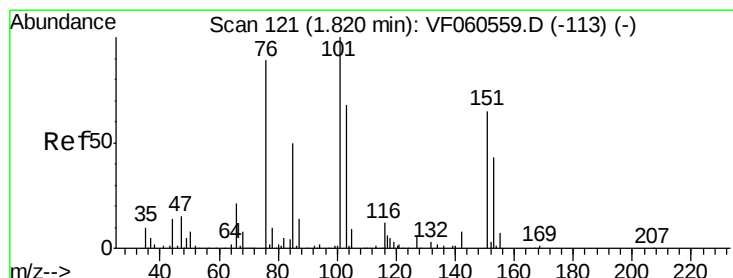
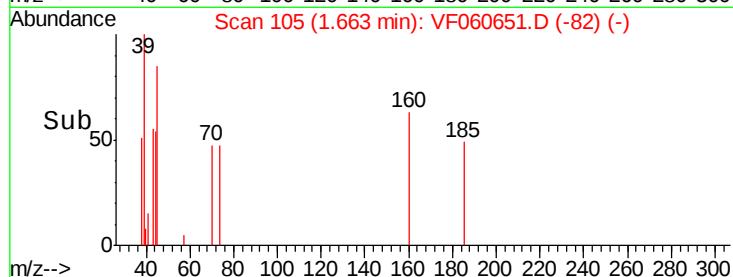
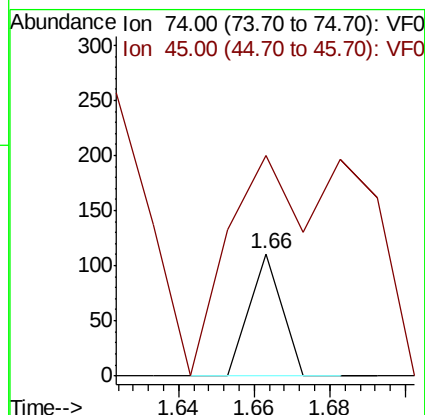
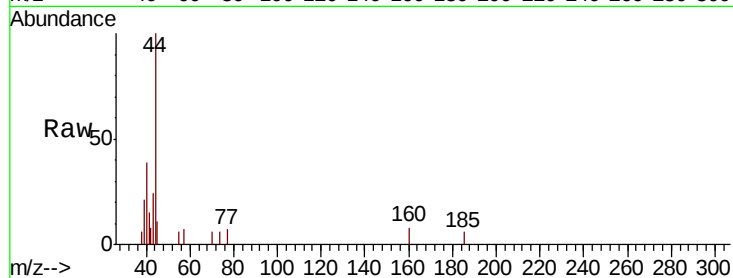
OK-02-110718-ARE

Tot Ion: 74 Resp: 66

Ion Ratio Lower Upper

74 100

45 180.2 63.8 191.5



#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.918 ug/l

RT: 1.96 min Scan# 135

Delta R.T. 0.14 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

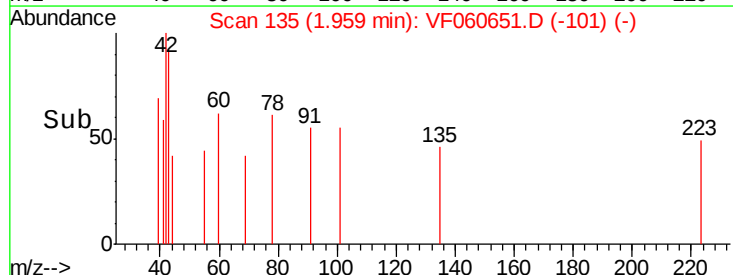
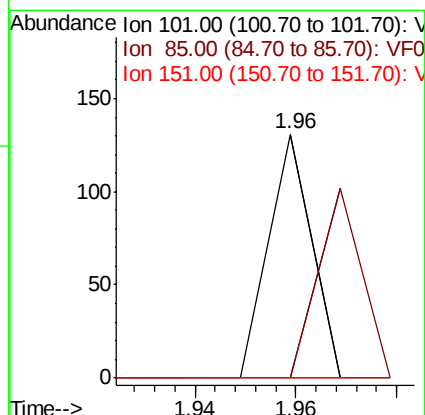
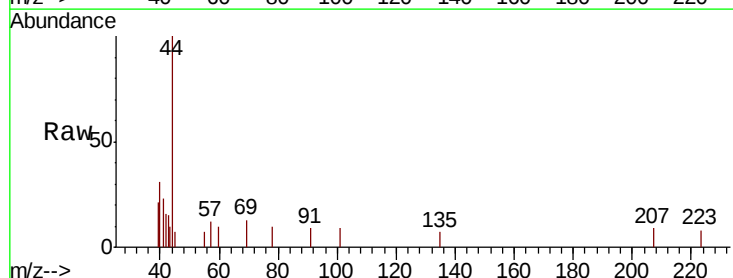
Tgt Ion: 101 Resp: 78

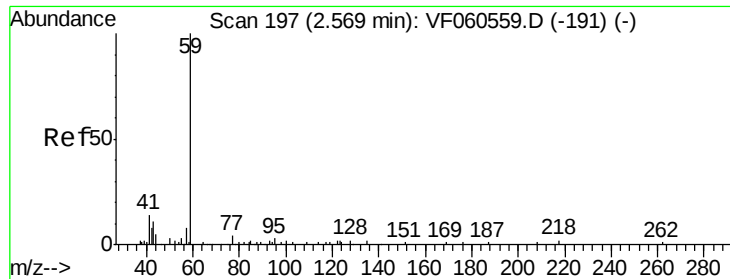
Ion Ratio Lower Upper

101 100

85 0.0 39.8 59.6#

151 0.0 50.8 76.2#

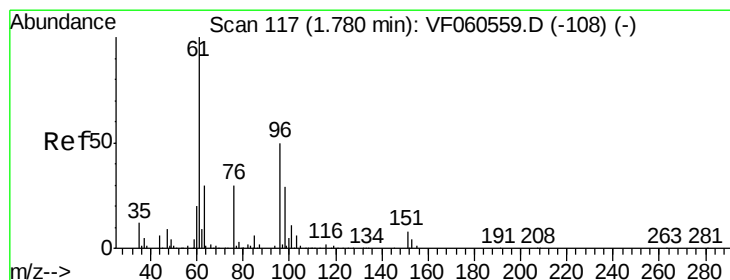
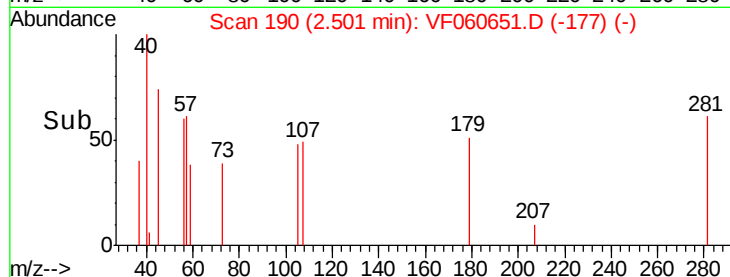
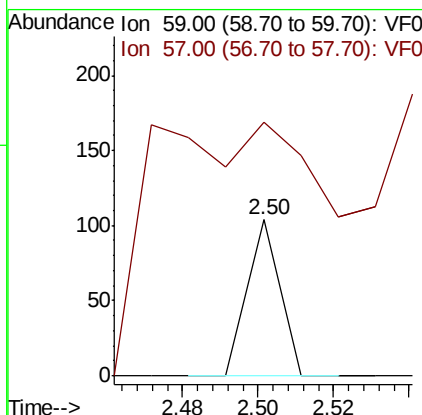
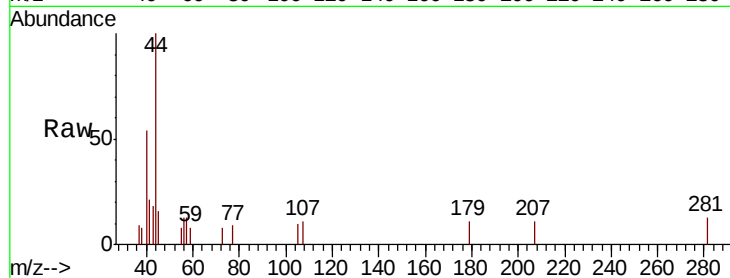




#11
Tert butyl alcohol
Concen: 45.217 ug/l
RT: 2.50 min Scan# 190
Delta R.T. -0.07 min
Lab File: VF060651.D
Acq: 8 Nov 2018 15:54

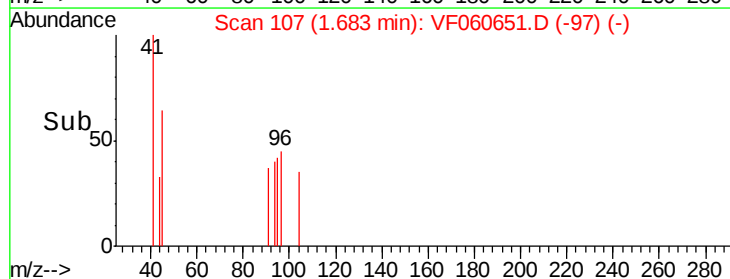
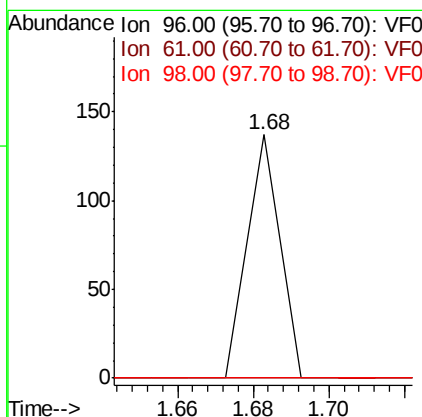
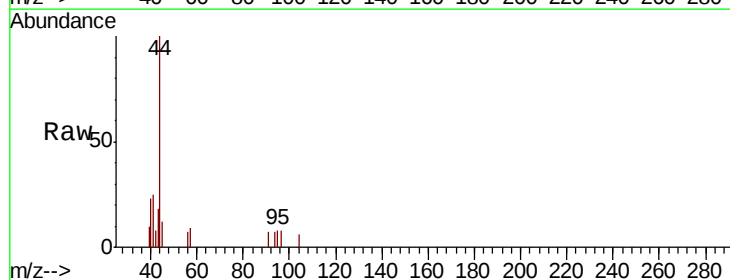
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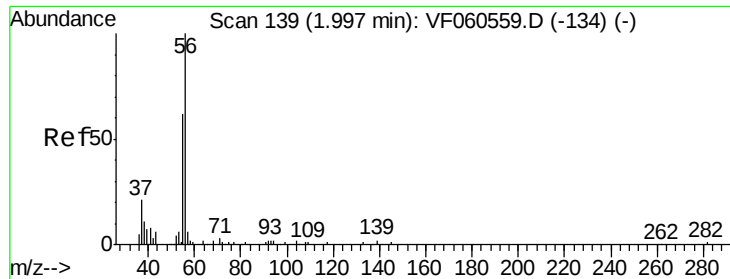
Tot Ion: 59 Resp: 62
Ion Ratio Lower Upper
59 100
57 162.5 19.0 28.4#



#12
1,1-Dichloroethene
Concen: 4.831 ug/l
RT: 1.68 min Scan# 107
Delta R.T. -0.10 min
Lab File: VF060651.D
Acq: 8 Nov 2018 15:54

Tgt Ion: 96 Resp: 81
Ion Ratio Lower Upper
96 100
61 0.0 158.1 237.1#
98 0.0 47.0 70.6#





#13

Acrolein

Concen: 325.238 ug/l

RT: 1.95 min Scan# 134

Delta R.T. -0.05 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

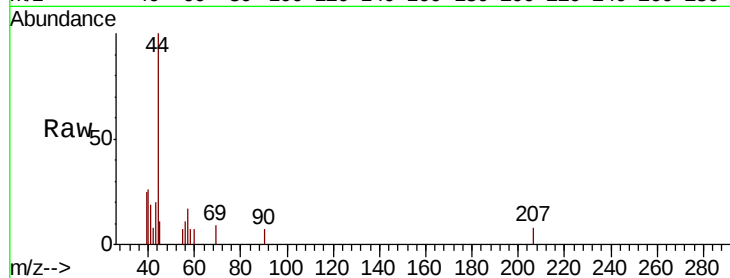
Instrument :
MSVOA_F
ClientSampleId :
OK-02-110718-ARE

Tot Ion: 56 Resp: 241

Ion Ratio Lower Upper

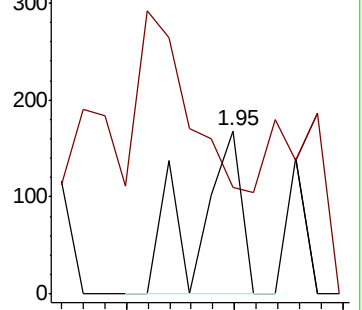
56 100

55 65.5 61.8 92.6

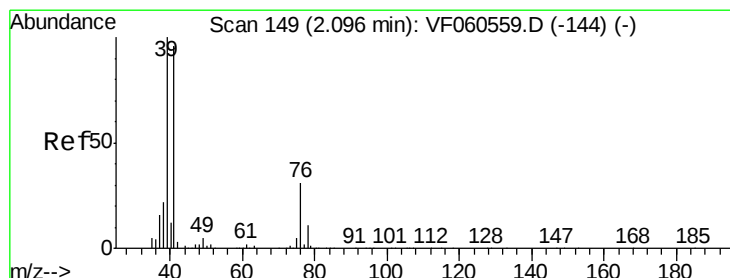
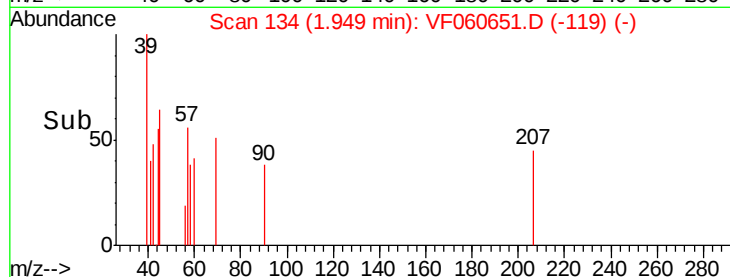


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time-->



#14

Allyl chloride

Concen: 6.502 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.02 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

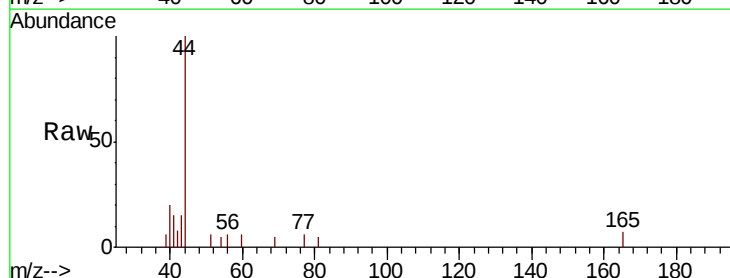
Tgt Ion: 41 Resp: 178

Ion Ratio Lower Upper

41 100

39 42.2 82.6 124.0#

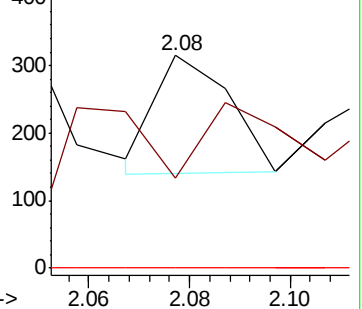
76 0.0 26.7 40.1#



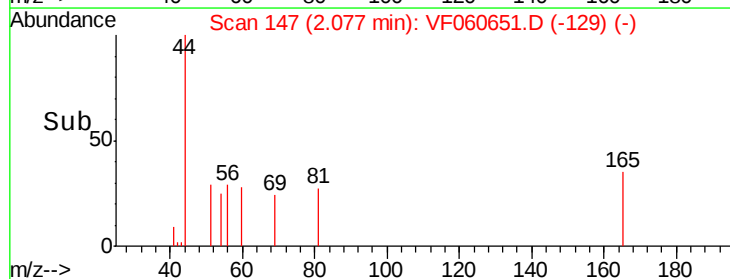
Abundance Ion 41.00 (40.70 to 41.70): VF0

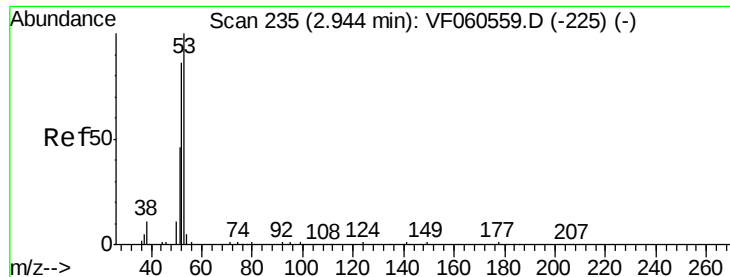
Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0



Time-->





#15

Acrylonitrile

Concen: 22.669 ug/l

RT: 2.98 min Scan# 239

Delta R.T. 0.04 min

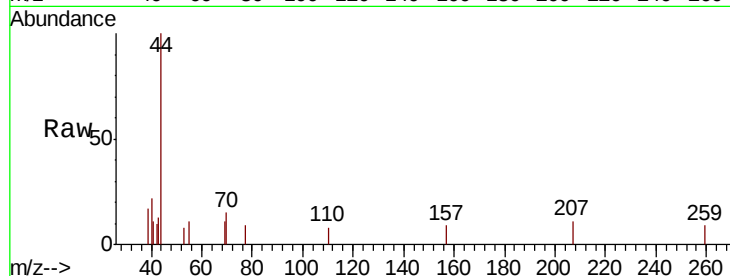
Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

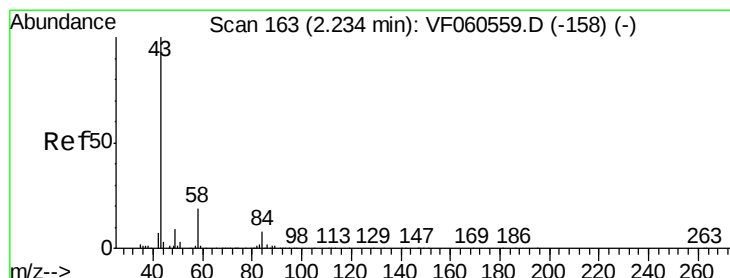
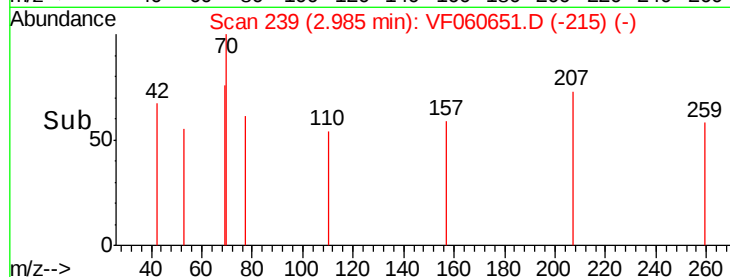
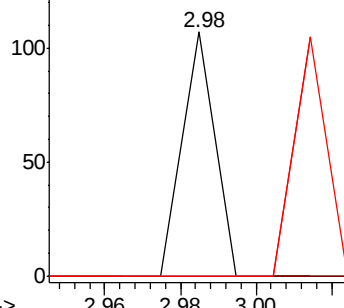
Instrument :
MSVOA_F
ClientSampleId :
OK-02-110718-ARE

Tot Ion: 53 Resp: 63

Ion	Ratio	Lower	Upper
53	100		
52	0.0	68.5	102.7#
51	0.0	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: 99.546 ug/l

RT: 2.24 min Scan# 163

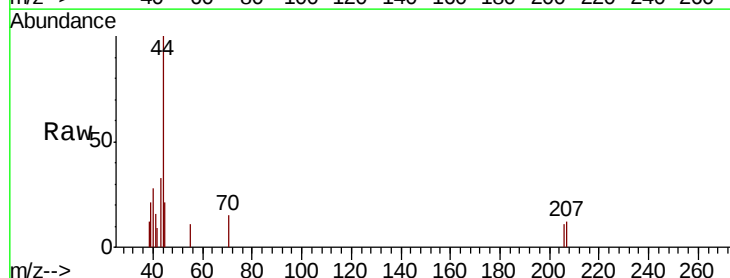
Delta R.T. 0.00 min

Lab File: VF060651.D

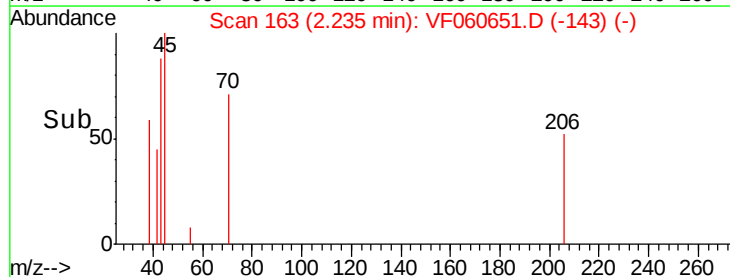
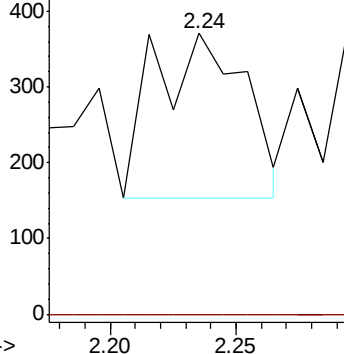
Acq: 8 Nov 2018 15:54

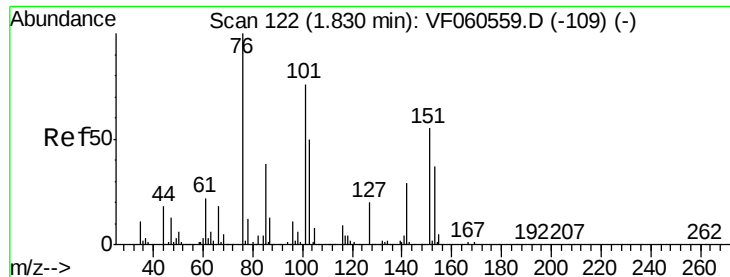
Tgt Ion: 43 Resp: 547

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





#17

Carbon Disulfide

Concen: 1.461 ug/l

RT: 1.80 min Scan# 119

Delta R.T. -0.03 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

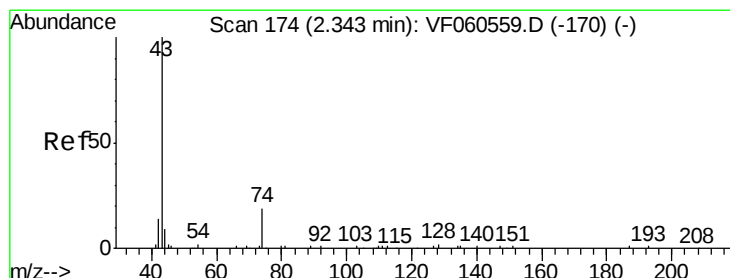
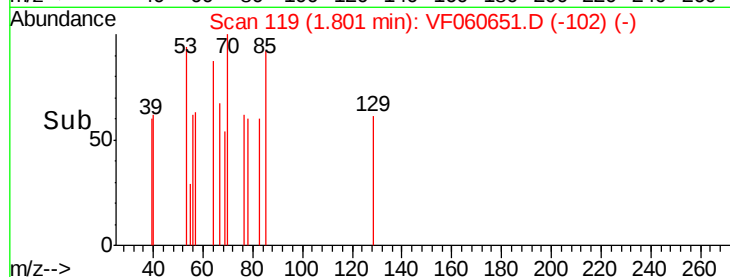
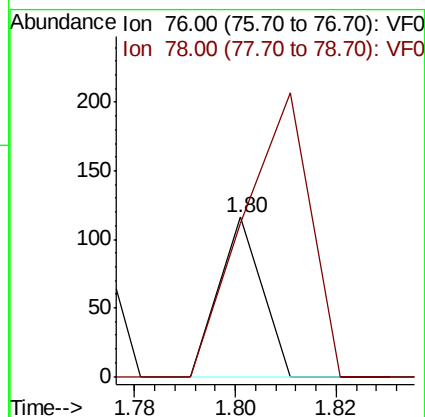
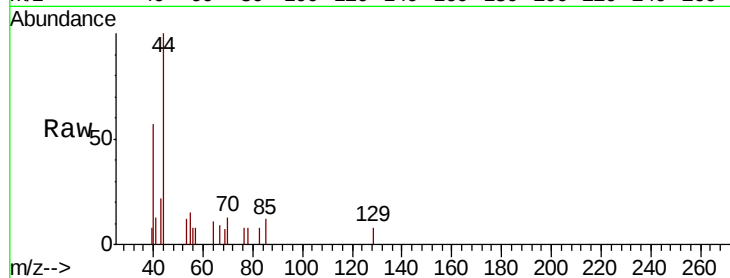
Instrument :
MSVOA_F
ClientSampleId :
OK-02-110718-ARE

Tot Ion: 76 Resp: 69

Ion Ratio Lower Upper

76 100

78 96.6 9.9 14.9#



#18

Methyl Acetate

Concen: 97.369 ug/l

RT: 2.31 min Scan# 171

Delta R.T. -0.03 min

Lab File: VF060651.D

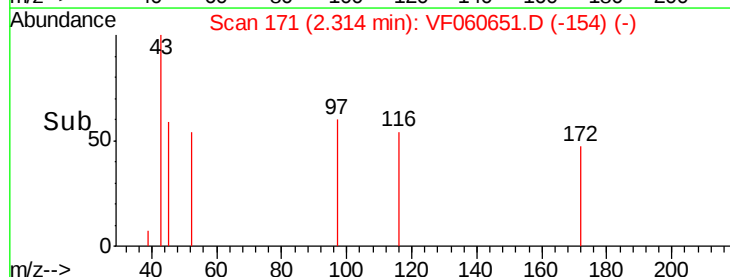
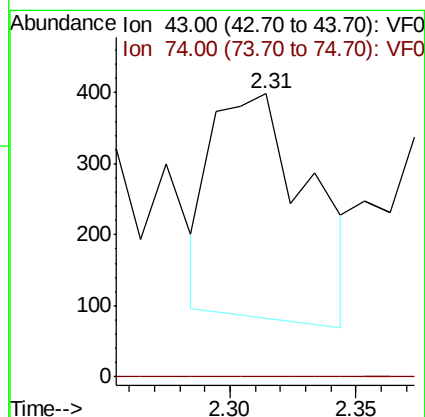
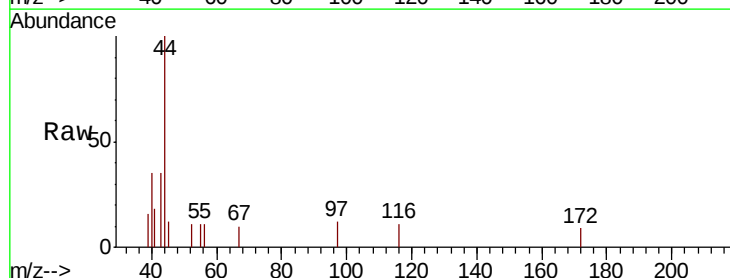
Acq: 8 Nov 2018 15:54

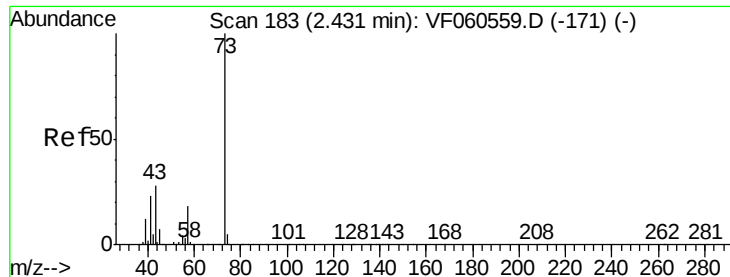
Tgt Ion: 43 Resp: 835

Ion Ratio Lower Upper

43 100

74 0.0 12.1 18.1#



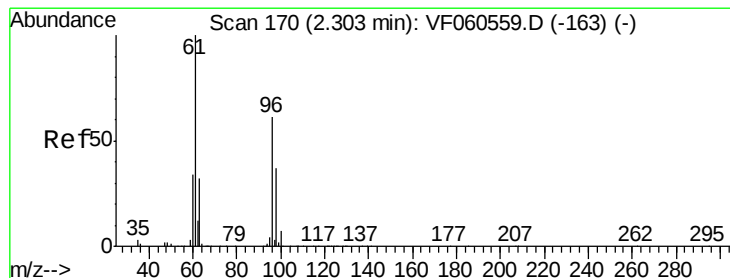
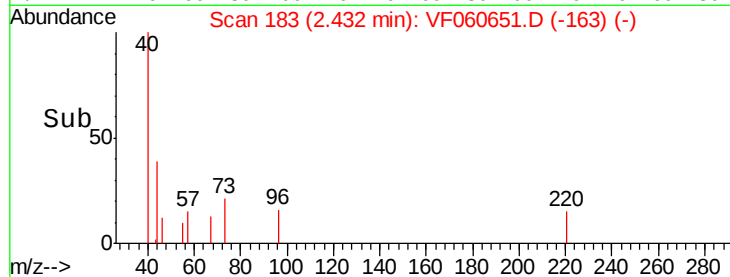
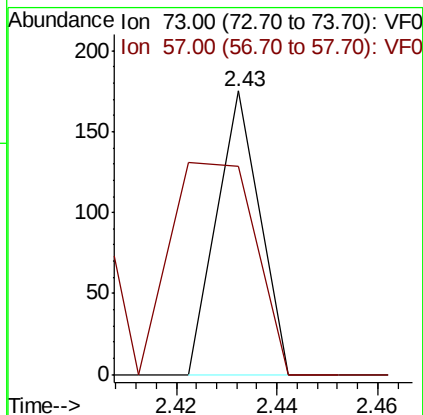
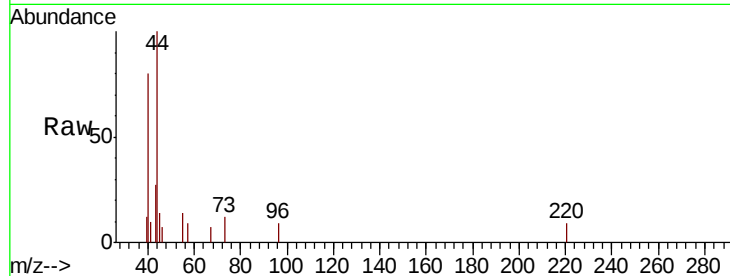


#19

Methvl tert-butvl Ether
 Concen: 2.653 ug/l
 RT: 2.43 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VF060651.D
 Acq: 8 Nov 2018 15:54

Instrument :
 MSVOA_F
 ClientSampleId :
 OK-02-110718-ARE

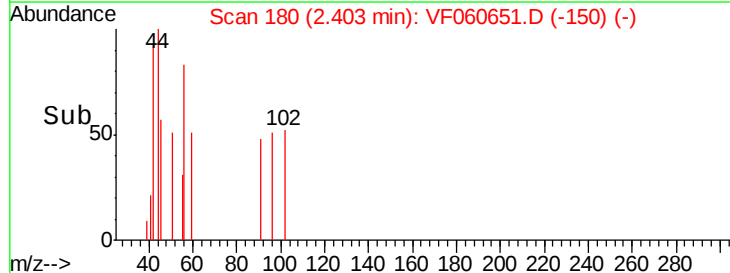
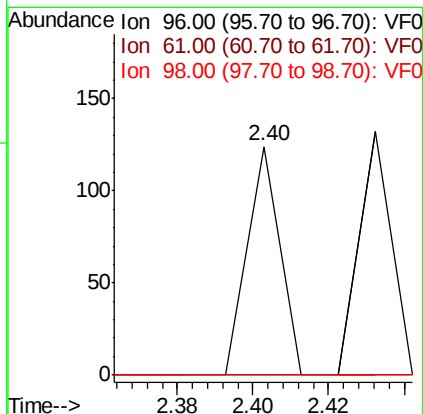
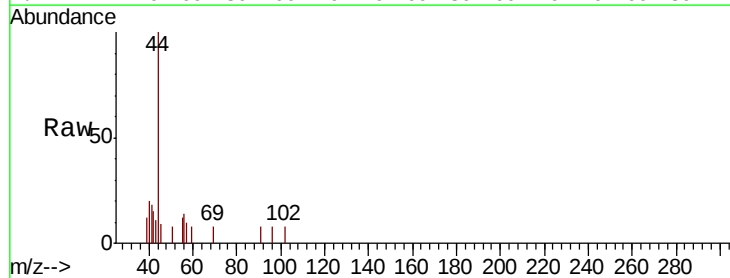
Tot Ion: 73 Resp: 104
 Ion Ratio Lower Upper
 73 100
 57 73.7 15.4 23.0#

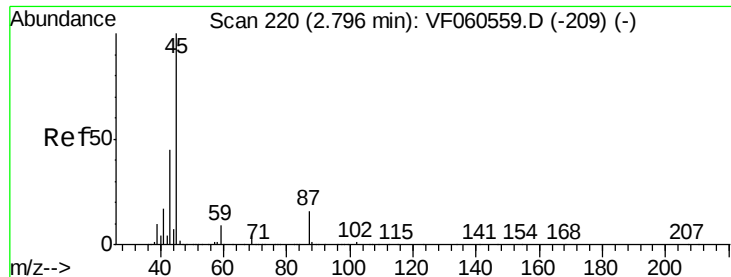


#21

trans-1,2-Dichloroethene
 Concen: 4.150 ug/l
 RT: 2.40 min Scan# 180
 Delta R.T. 0.10 min
 Lab File: VF060651.D
 Acq: 8 Nov 2018 15:54

Tgt Ion: 96 Resp: 73
 Ion Ratio Lower Upper
 96 100
 61 0.0 131.3 196.9#
 98 0.0 48.6 73.0#





#22

Diisopropyl ether

Concen: 2.172 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

Instrument :

MSVOA_F

ClientSampleId :

OK-02-110718-ARE

Tot Ion: 45 Resp: 126

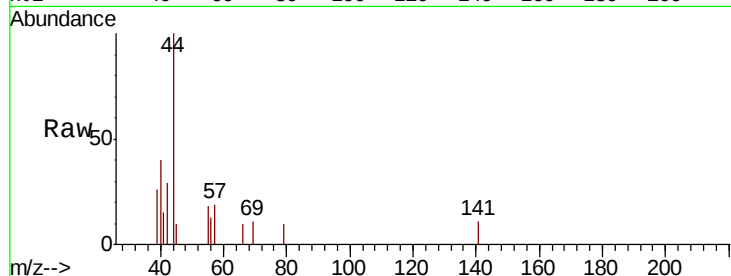
Ion Ratio Lower Upper

45 100

43 0.0 38.1 57.1#

87 0.0 12.7 19.1#

59 0.0 7.0 10.4#



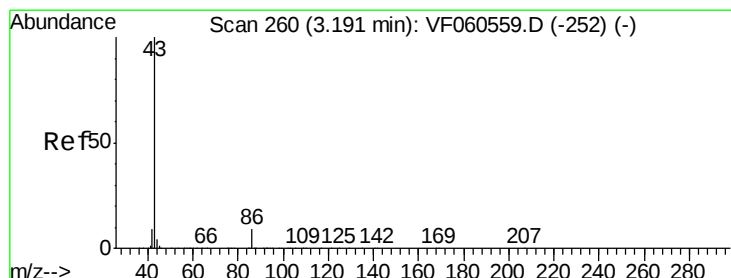
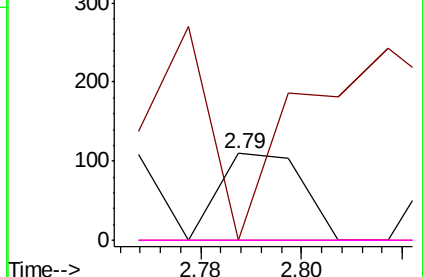
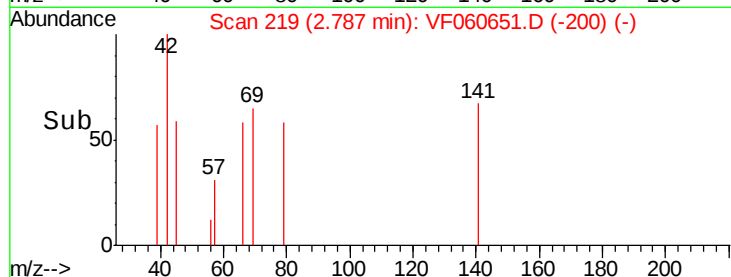
Abundance Ion 45.00 (44.70 to 45.70): VF0

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

Time-->



#23

Vinyl Acetate

Concen: 19.798 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF060651.D

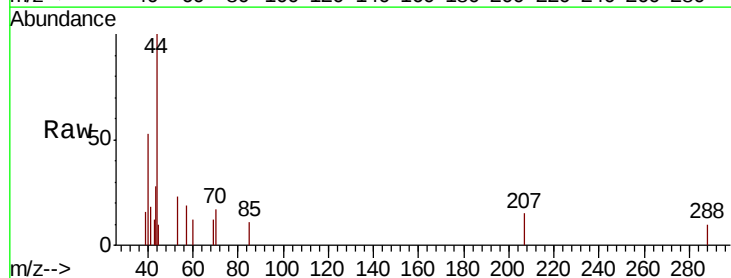
Acq: 8 Nov 2018 15:54

Tgt Ion: 43 Resp: 690

Ion Ratio Lower Upper

43 100

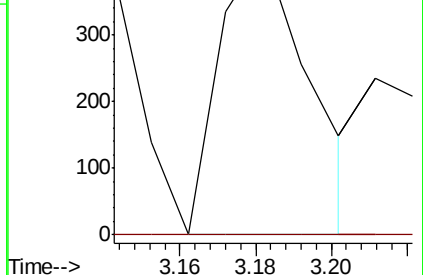
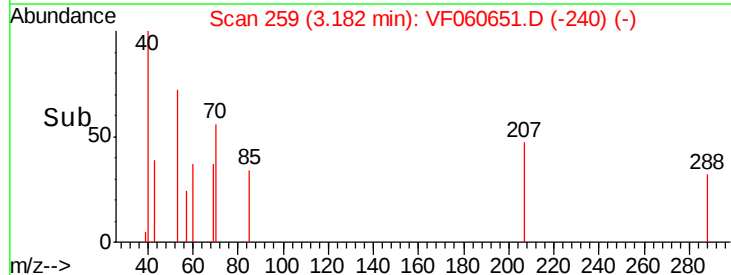
86 0.0 7.1 10.7#

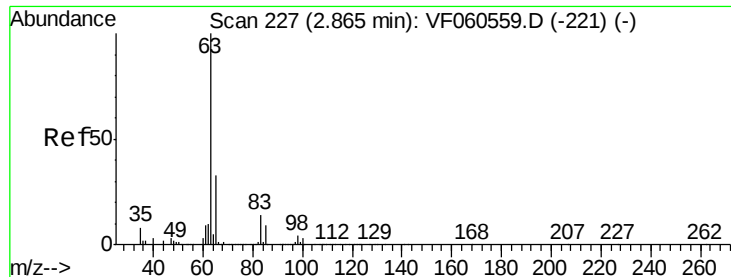


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

Time-->





#24

1,1-Dichloroethane

Concen: 5.839 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.01 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

Instrument :

MSVOA_F

ClientSampleId :

OK-02-110718-ARE

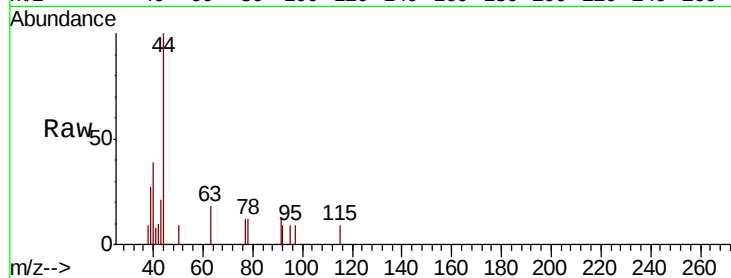
Tot Ion: 63 Resp: 196

Ion Ratio Lower Upper

63 100

98 0.0 2.2 6.6#

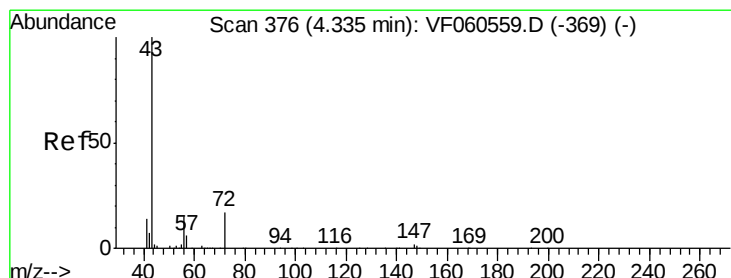
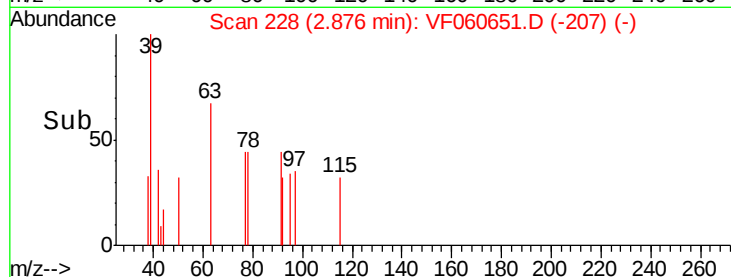
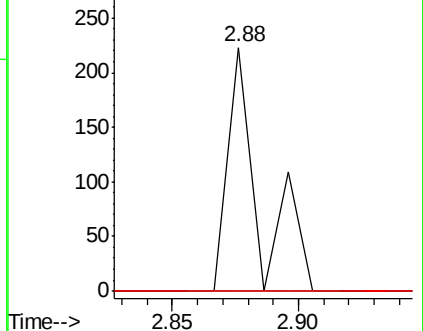
100 0.0 1.4 4.0#



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: 7.842 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF060651.D

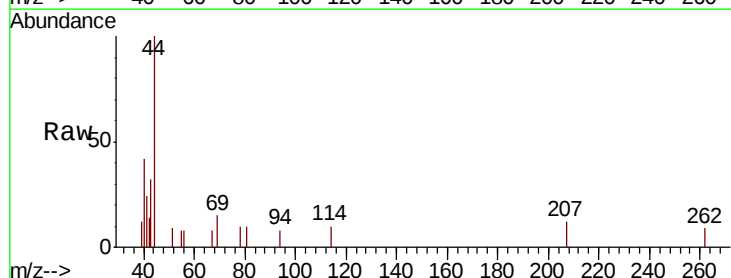
Acq: 8 Nov 2018 15:54

Tgt Ion: 43 Resp: 402

Ion Ratio Lower Upper

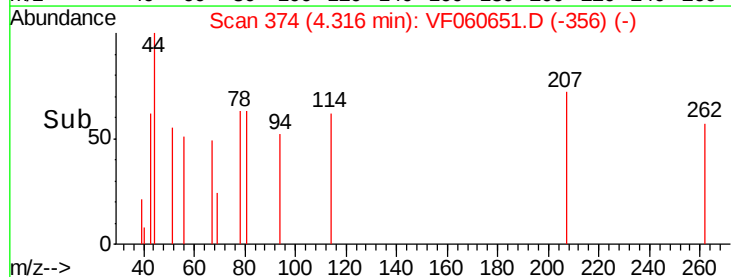
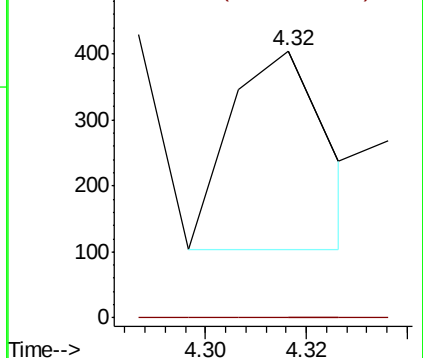
43 100

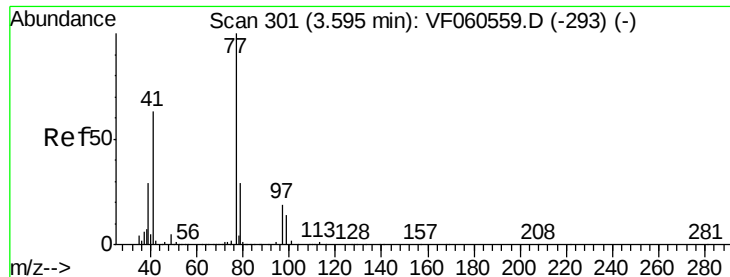
72 0.0 16.2 24.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#26

2,2-Dichloropropane

Concen: 11.426 ug/l

RT: 3.56 min Scan# 297

Delta R.T. -0.04 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

Instrument :

MSVOA_F

ClientSampleId :

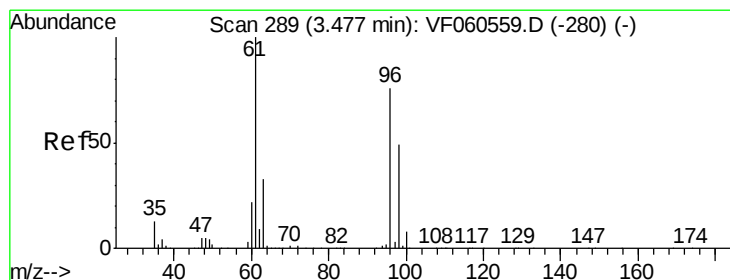
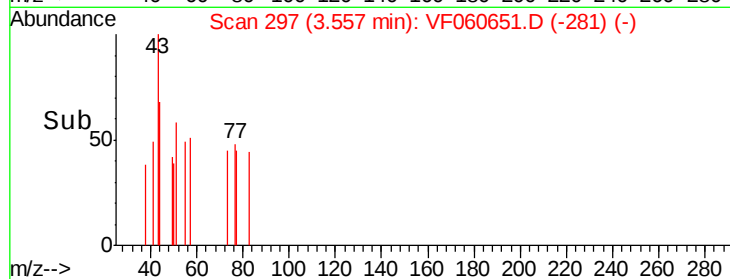
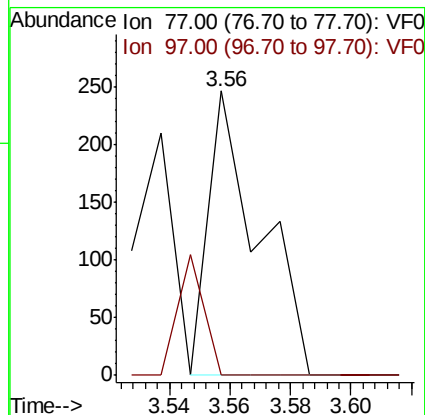
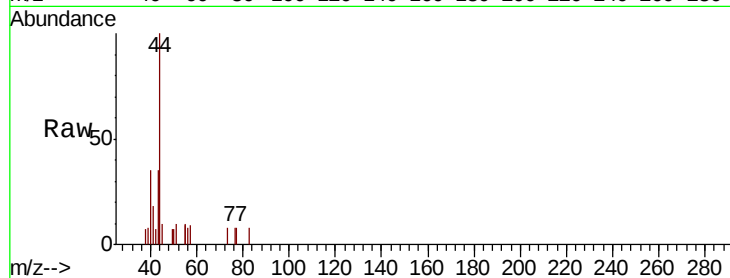
OK-02-110718-ARE

Tot Ion: 77 Resp: 287

Ion Ratio Lower Upper

77 100

97 0.0 9.8 29.3#



#27

cis-1,2-Dichloroethene

Concen: 2.055 ug/l

RT: 3.46 min Scan# 287

Delta R.T. -0.02 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

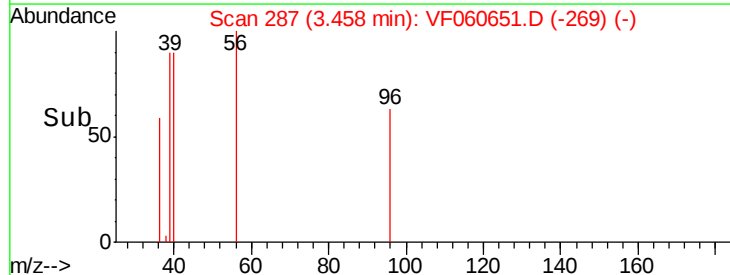
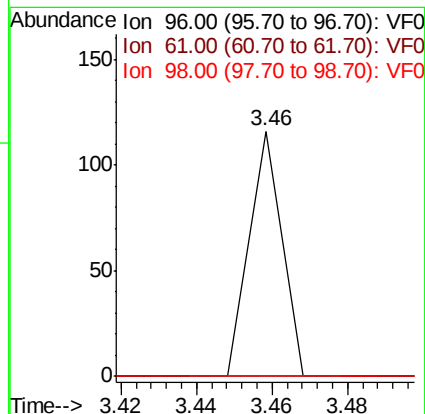
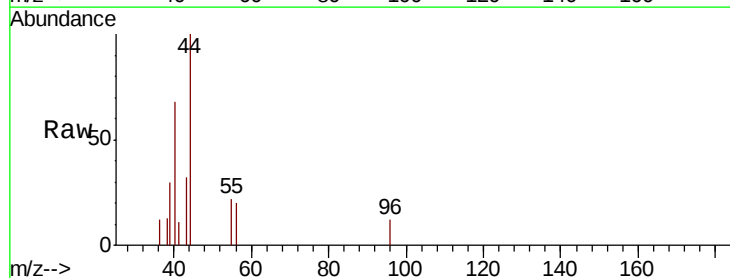
Tgt Ion: 96 Resp: 69

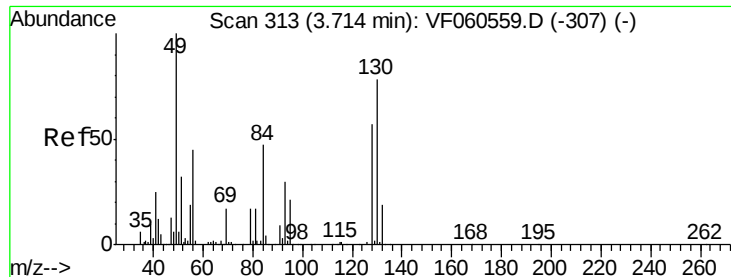
Ion Ratio Lower Upper

96 100

61 0.0 0.0 263.0

98 0.0 0.0 130.6





#28

Bromochloromethane

Concen: 3.133 ug/l

RT: 3.56 min Scan# 297

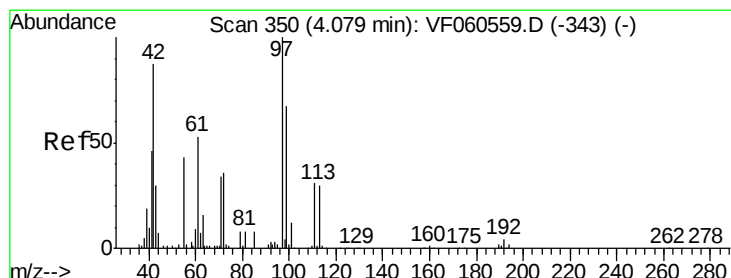
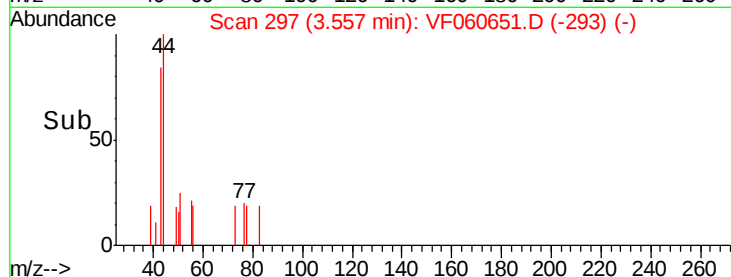
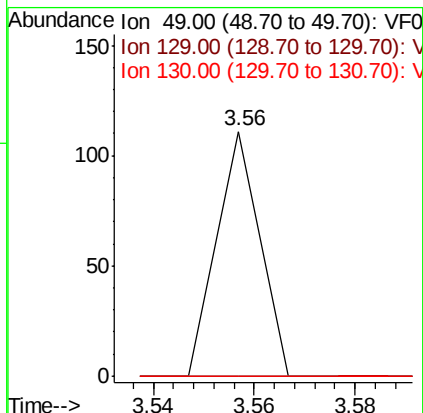
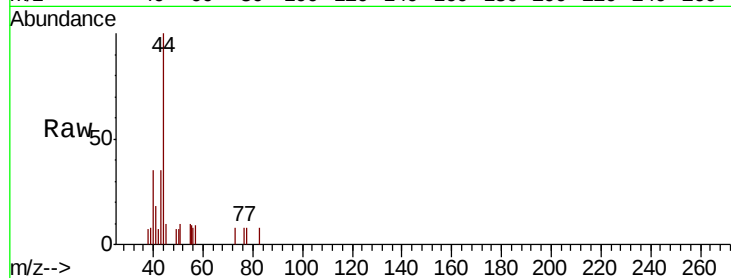
Delta R.T. -0.16 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

Instrument :
MSVOA_F
ClientSampleId :
OK-02-110718-ARE

Tot Ion:	49	Resp:	66
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	0.0	61.8	92.8#



#29

Tetrahydrofuran

Concen: 58.423 ug/l

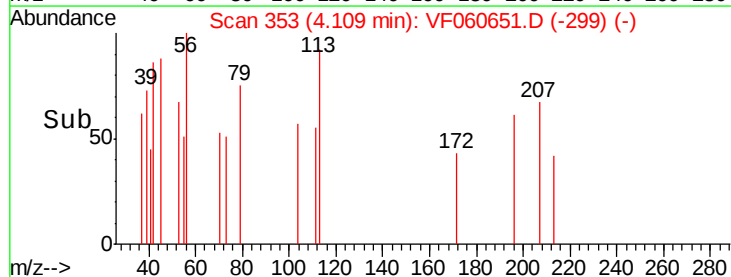
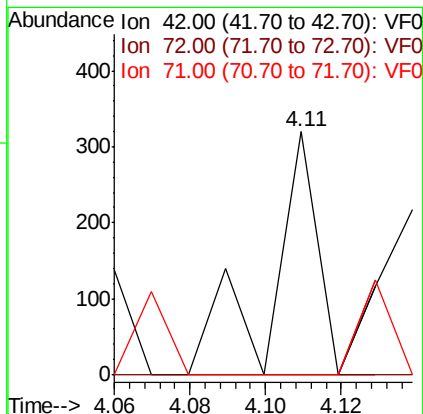
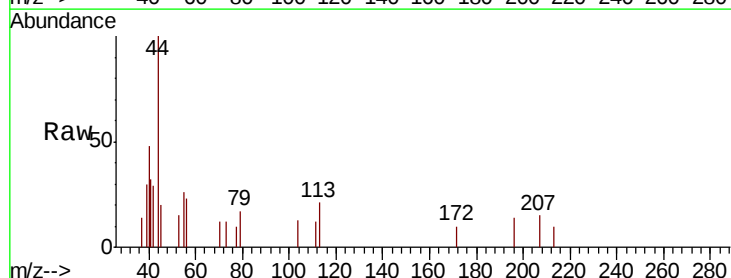
RT: 4.11 min Scan# 353

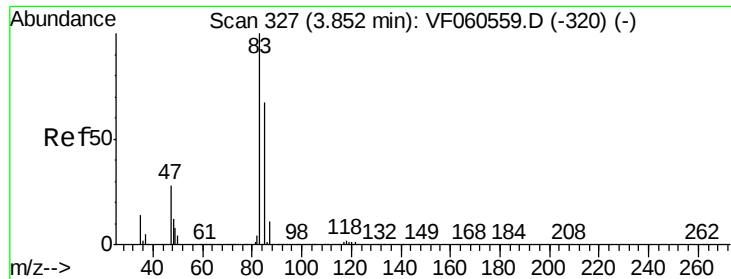
Delta R.T. 0.03 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

Tgt Ion:	42	Resp:	272
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.0#
71	26.8	31.8	47.6#

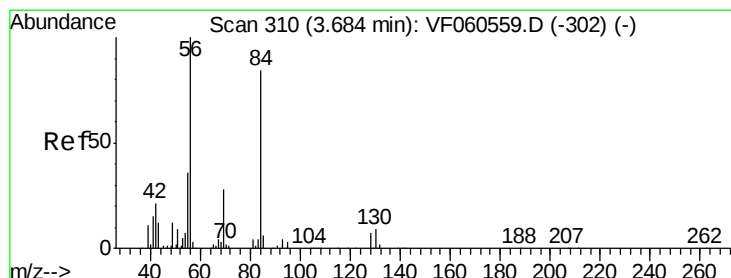
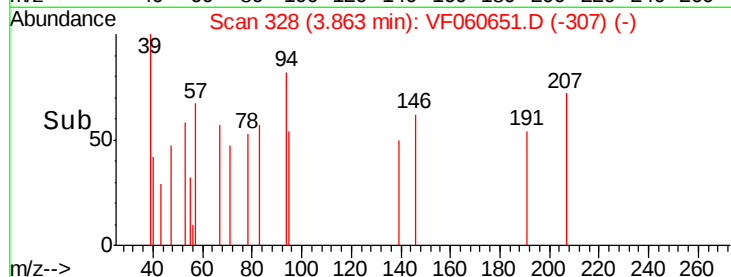
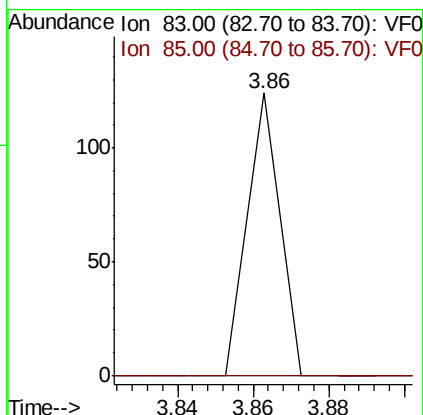
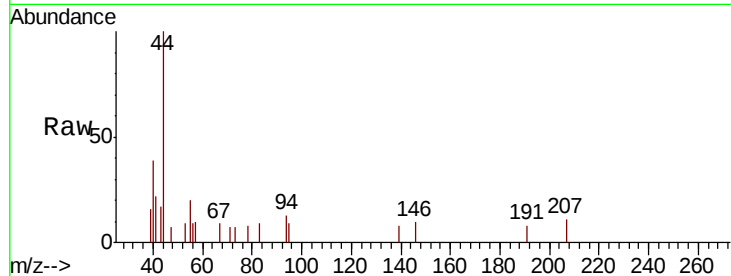




#30
Chloroform
Concen: 1.374 ug/l
RT: 3.86 min Scan# 328
Delta R.T. 0.01 min
Lab File: VF060651.D
Acq: 8 Nov 2018 15:54

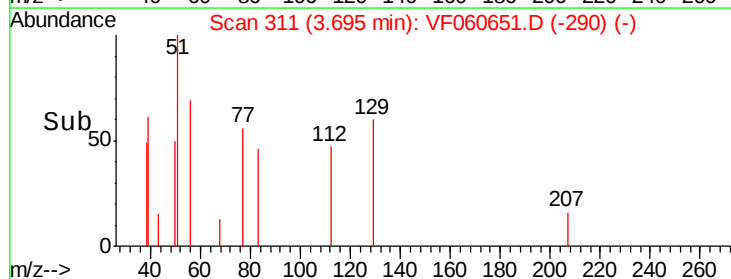
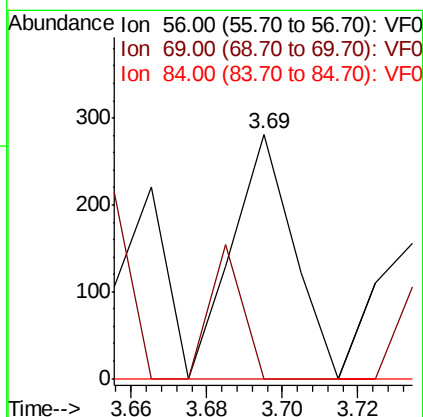
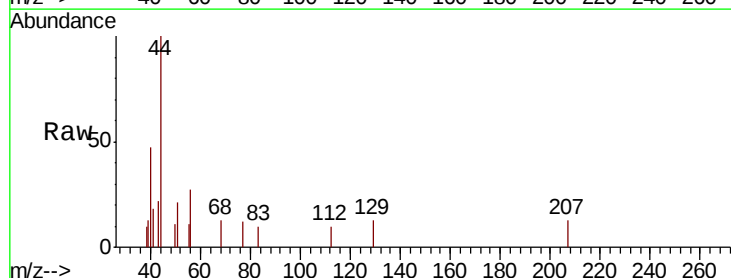
Instrument :
MSVOA_F
ClientSampleId :
OK-02-110718-ARE

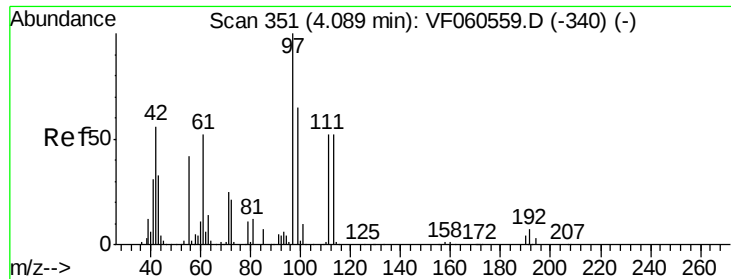
Tot Ion: 83 Resp: 73
Ion Ratio Lower Upper
83 100
85 0.0 53.7 80.5#



#31
Cyclohexane
Concen: 6.800 ug/l
RT: 3.69 min Scan# 311
Delta R.T. 0.01 min
Lab File: VF060651.D
Acq: 8 Nov 2018 15:54

Tgt Ion: 56 Resp: 315
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: 1.752 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

Instrument :

MSVOA_F

ClientSampleId :

OK-02-110718-ARE

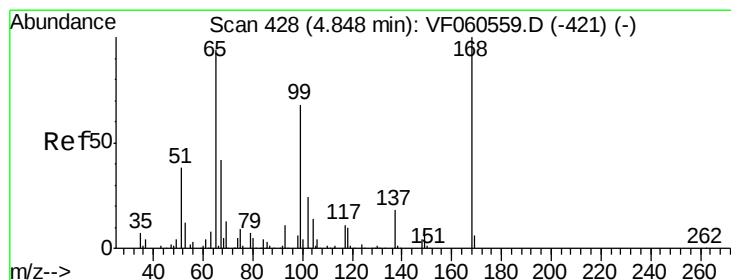
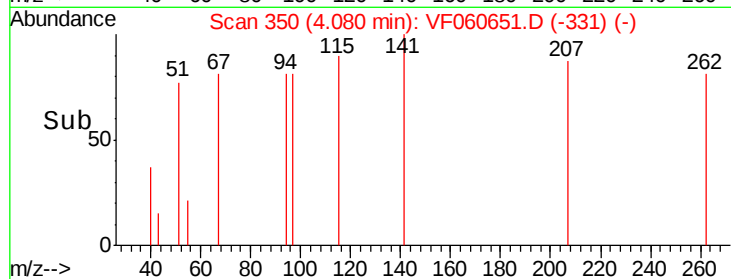
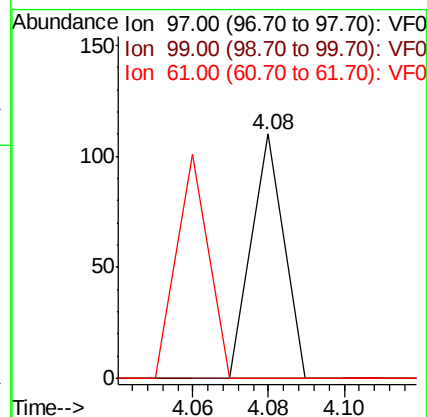
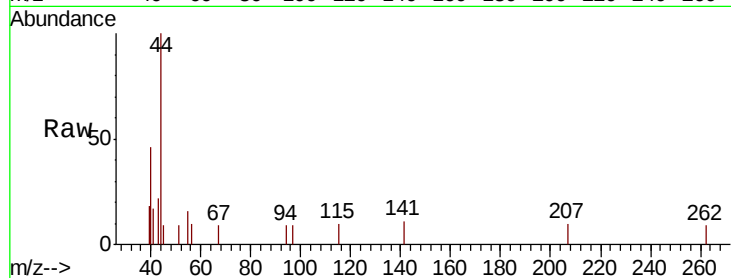
Tot Ion: 97 Resp: 65

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: 18.954 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.03 min

Lab File: VF060651.D

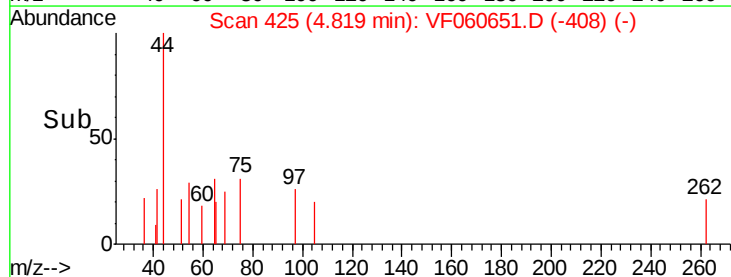
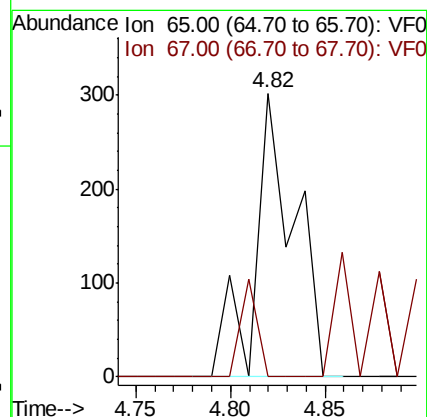
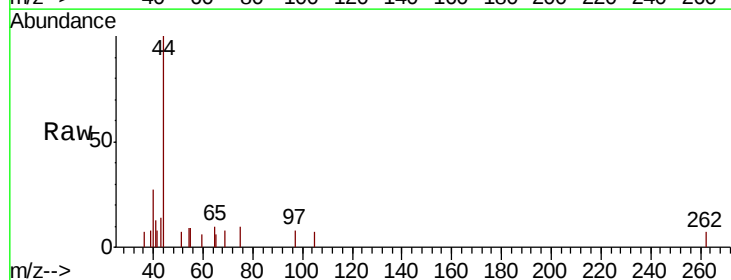
Acq: 8 Nov 2018 15:54

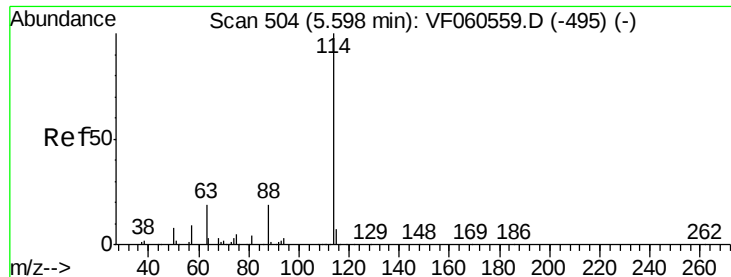
Tgt Ion: 65 Resp: 442

Ion Ratio Lower Upper

65 100

67 0.0 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.00 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

Instrument :

MSVOA_F

ClientSampleId :

OK-02-110718-ARE

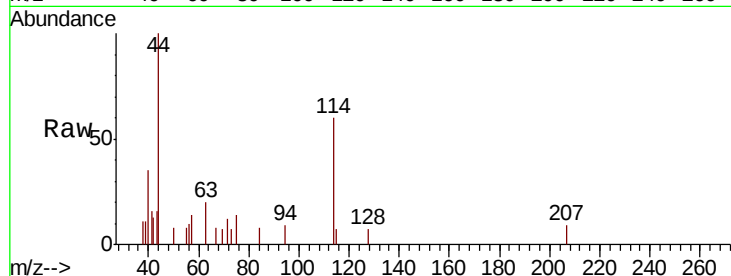
Tot Ion:114 Resp: 2495

Ion Ratio Lower Upper

114 100

63 33.3 0.0 39.0

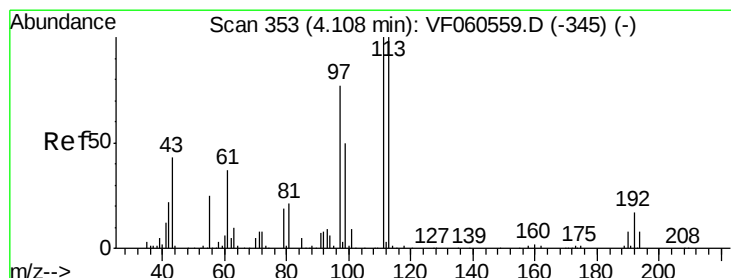
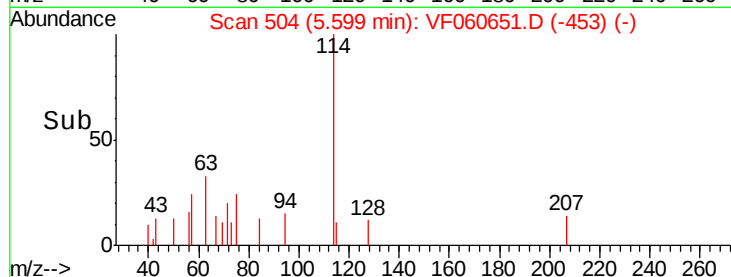
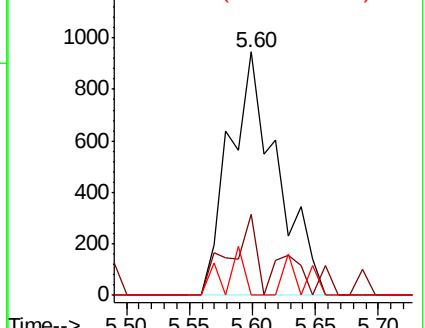
88 0.0 0.0 38.2



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



#35

Dibromofluoromethane

Concen: 24.434 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

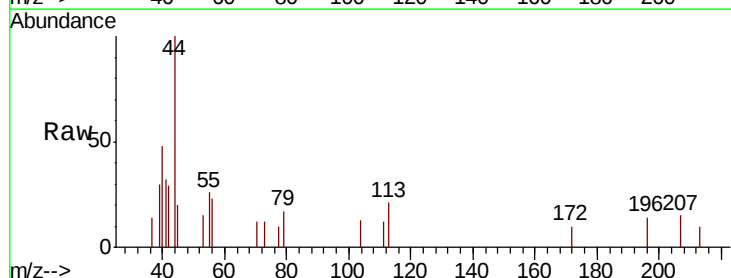
Tgt Ion:113 Resp: 471

Ion Ratio Lower Upper

113 100

111 60.1 79.9 119.9#

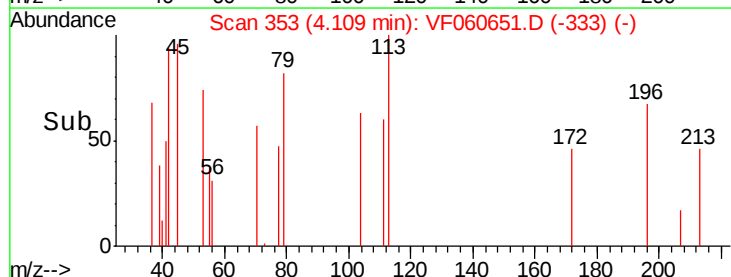
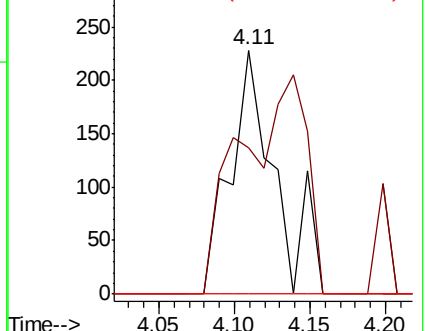
192 0.0 13.3 19.9#

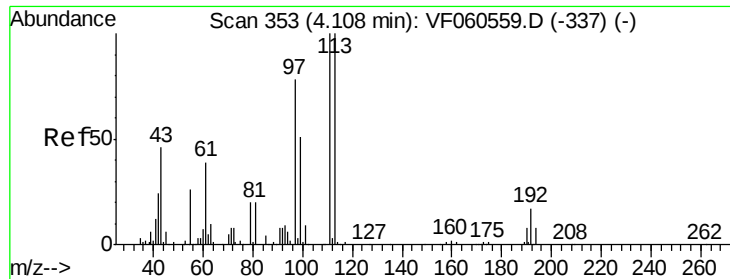


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

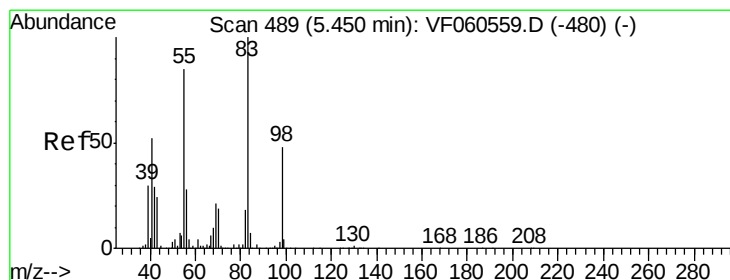
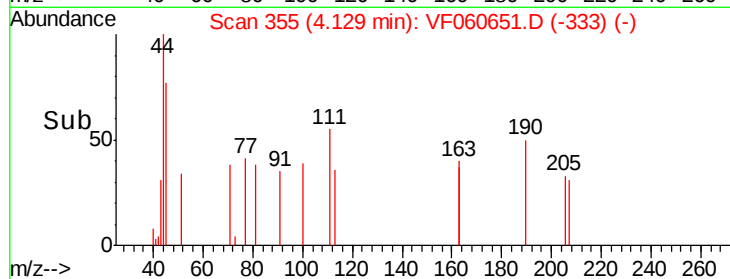
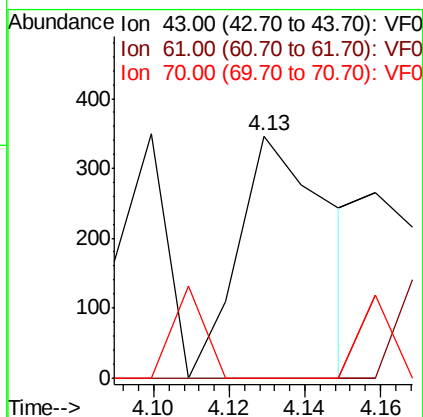
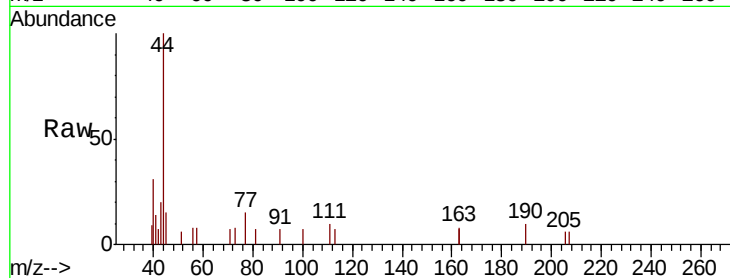




#37
Ethyl Acetate
Concen: 43.830 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.02 min
Lab File: VF060651.D
Acq: 8 Nov 2018 15:54

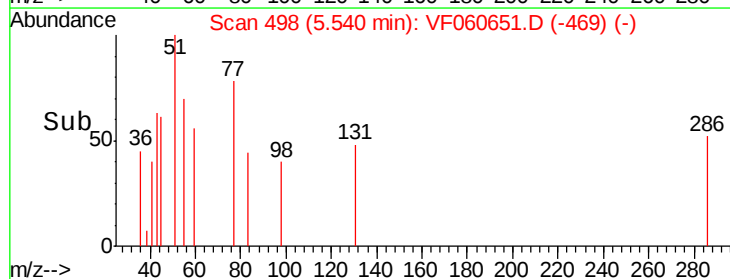
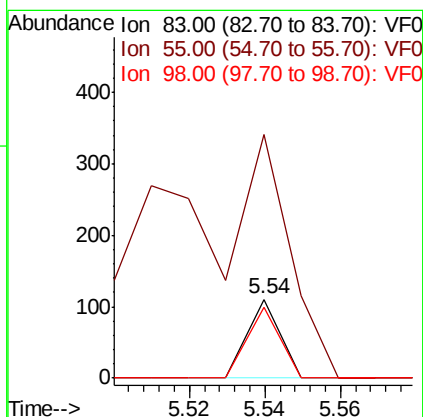
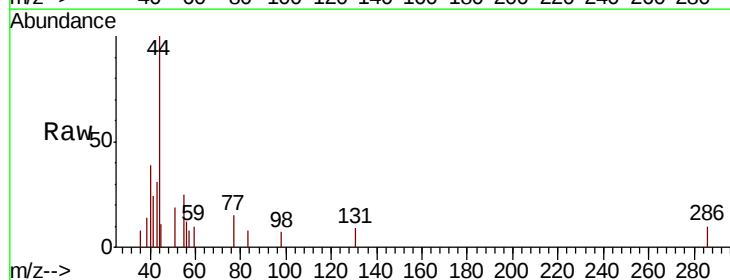
Instrument :
MSVOA_F
ClientSampleId :
OK-02-110718-ARE

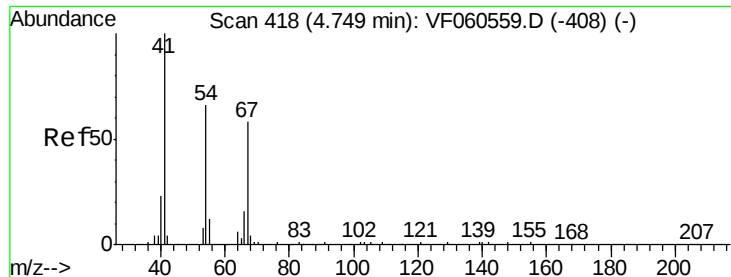
Tot Ion: 43 Resp: 578
Ion Ratio Lower Upper
43 100
61 0.0 63.4 95.2#
70 0.0 9.3 13.9#



#39
Methylcyclohexane
Concen: 1.939 ug/l
RT: 5.54 min Scan# 498
Delta R.T. 0.09 min
Lab File: VF060651.D
Acq: 8 Nov 2018 15:54

Tgt Ion: 83 Resp: 65
Ion Ratio Lower Upper
83 100
55 310.0 69.1 103.7#
98 90.9 38.6 57.8#

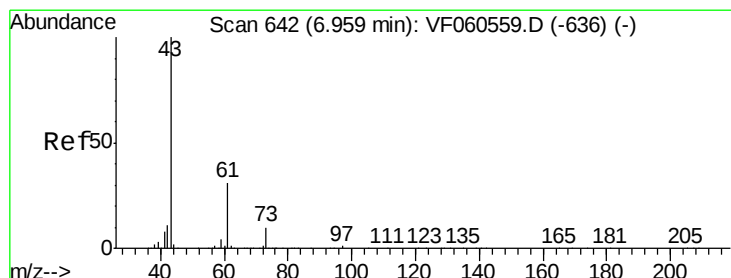
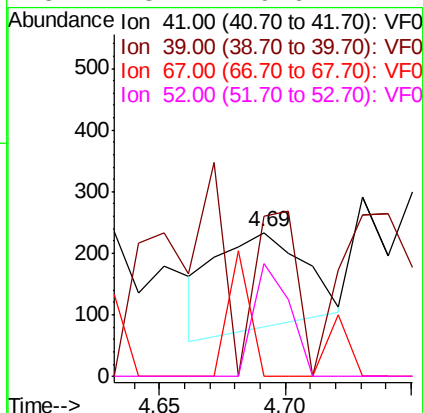
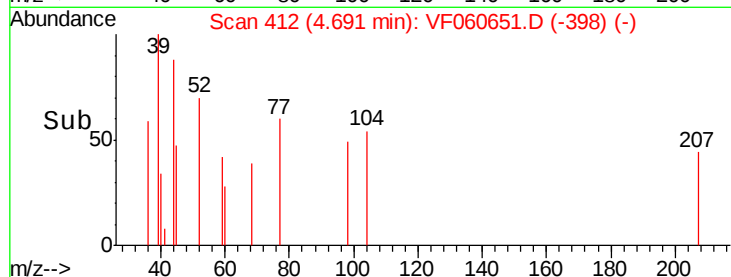
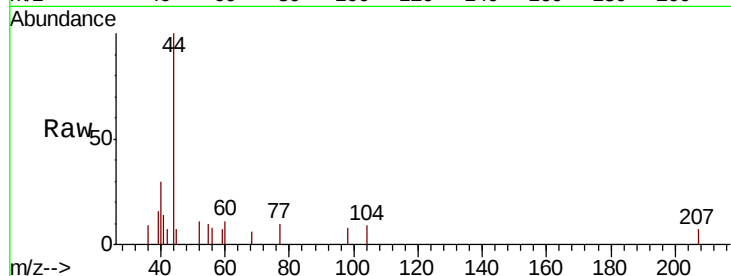




#41
Methacrylonitrile
Concen: 51.284 ug/l
RT: 4.69 min Scan# 412
Delta R.T. -0.06 min
Lab File: VF060651.D
Acq: 8 Nov 2018 15:54

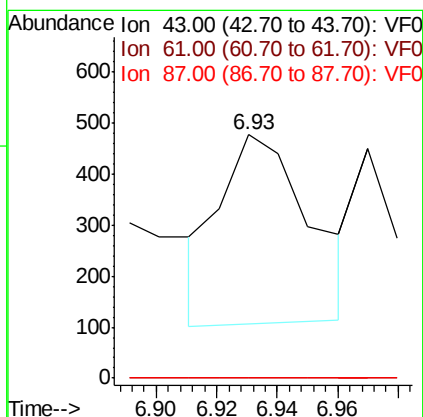
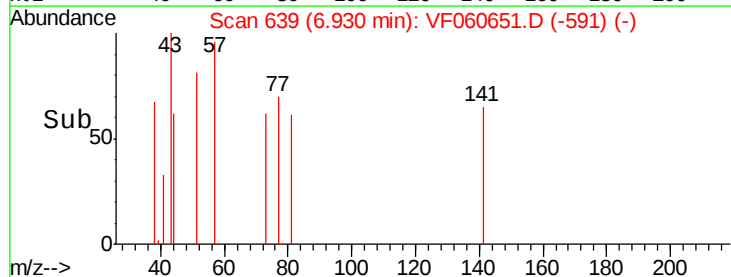
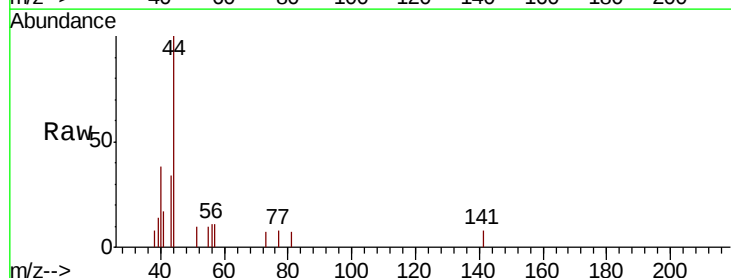
Instrument :
MSVOA_F
ClientSampleId :
OK-02-110718-ARE

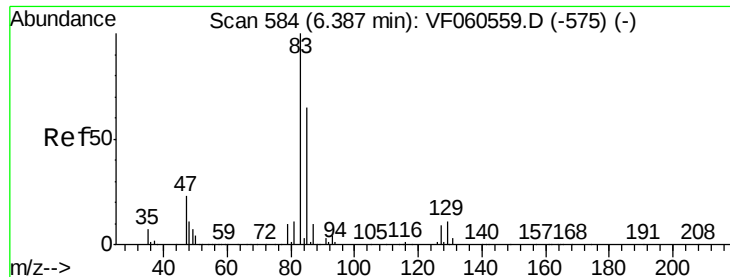
Tot Ion: 41 Resp: 383
Ion Ratio Lower Upper
41 100
39 111.5 45.6 68.4#
67 0.0 45.3 67.9#
52 78.2 29.6 44.4#



#43
Isopropyl Acetate
Concen: 45.741 ug/l
RT: 6.93 min Scan# 639
Delta R.T. -0.03 min
Lab File: VF060651.D
Acq: 8 Nov 2018 15:54

Tgt Ion: 43 Resp: 763
Ion Ratio Lower Upper
43 100
61 0.0 24.2 36.2#
87 0.0 0.2 0.4#





#47

Bromodichloromethane

Concen: 2.567 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

Instrument :

MSVOA_F

ClientSampleId :

OK-02-110718-ARE

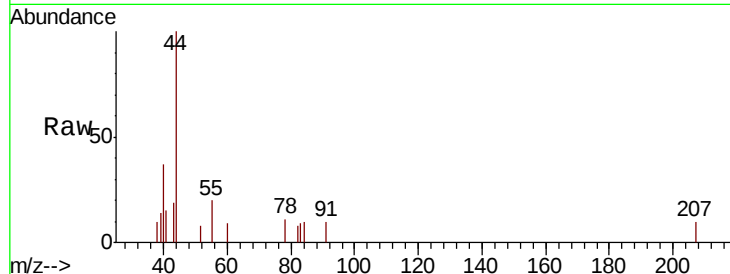
Tot Ion: 83 Resp: 67

Ion Ratio Lower Upper

83 100

85 0.0 51.8 77.6#

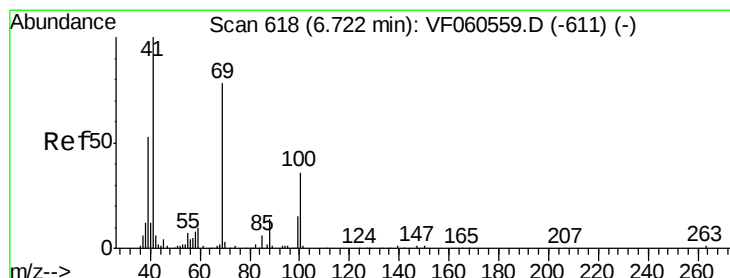
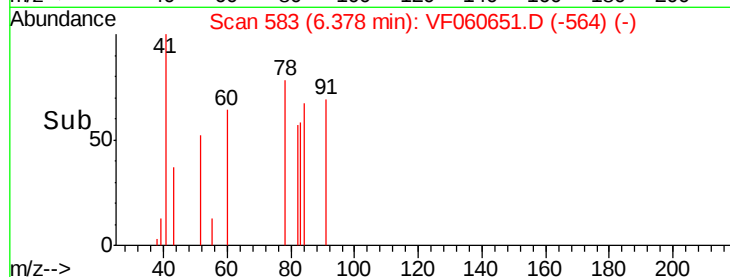
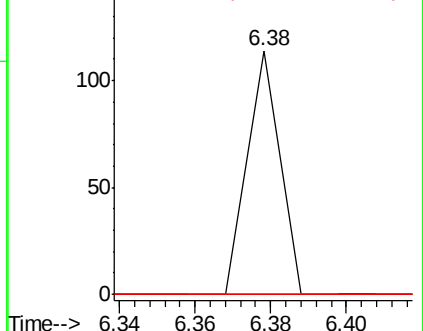
127 0.0 7.0 10.4#



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: 31.096 ug/l

RT: 6.75 min Scan# 621

Delta R.T. 0.03 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

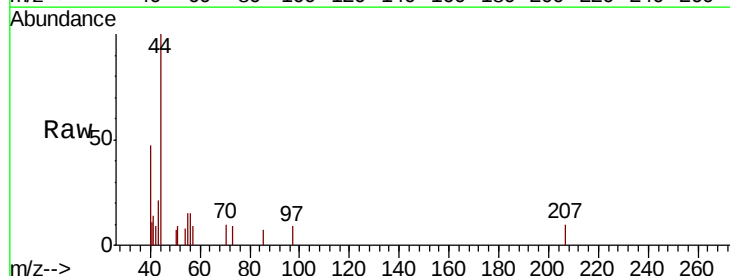
Tgt Ion: 41 Resp: 326

Ion Ratio Lower Upper

41 100

69 0.0 61.1 91.7#

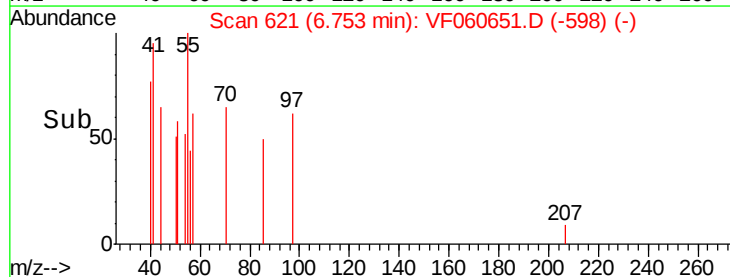
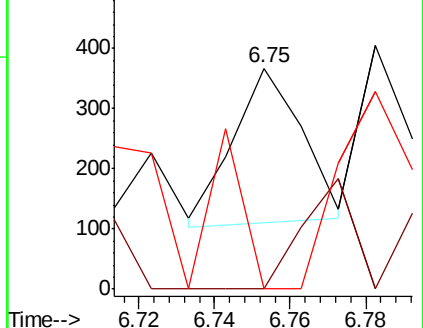
39 0.0 43.0 64.6#

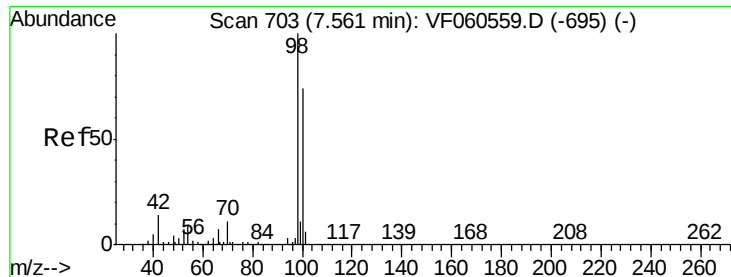


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#50

Toluene-d8

Concen: 22.311 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

Instrument :

MSVOA_F

ClientSampleId :

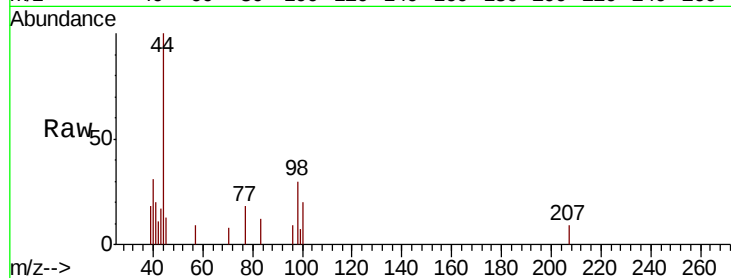
OK-02-110718-ARE

Tot Ion: 98 Resp: 1274

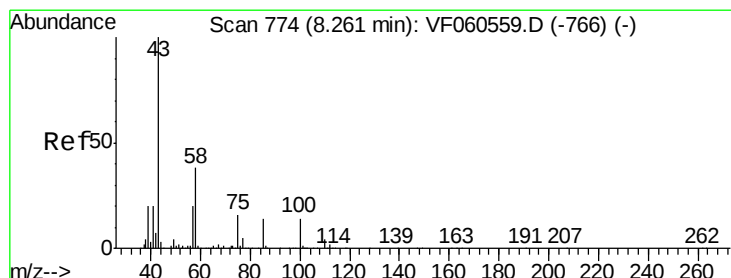
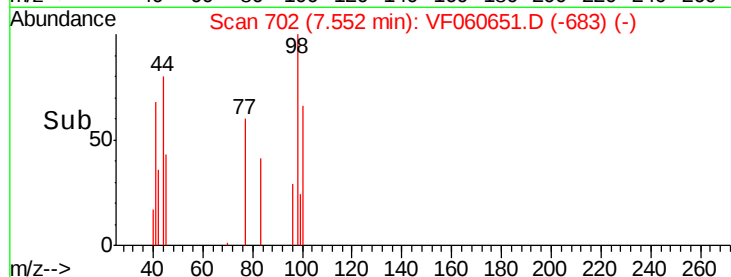
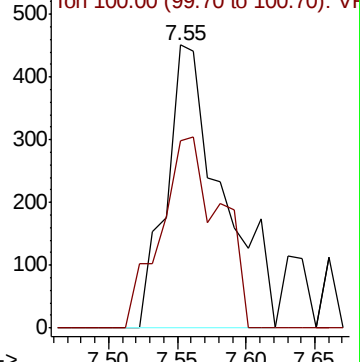
Ion Ratio Lower Upper

98 100

100 66.1 59.4 89.2



Abundance Ion 98.00 (97.70 to 98.70): VF0



#51

4-Methyl-2-Pentanone

Concen: 60.798 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF060651.D

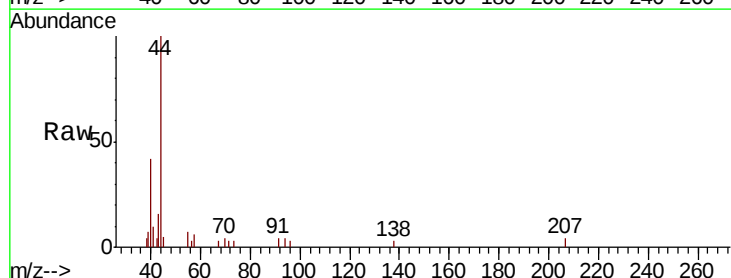
Acq: 8 Nov 2018 15:54

Tgt Ion: 43 Resp: 682

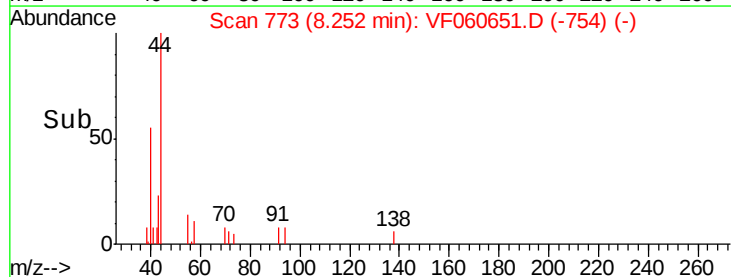
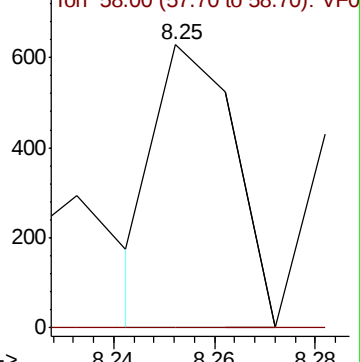
Ion Ratio Lower Upper

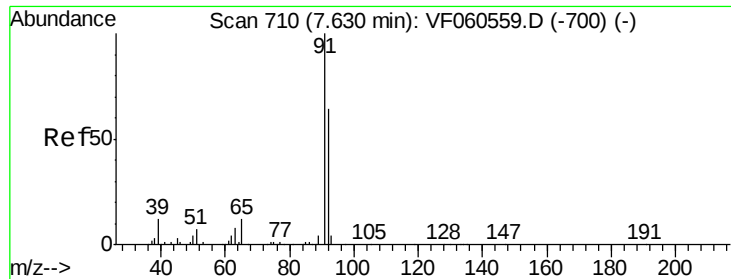
43 100

58 0.0 30.1 45.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0





#52

Toluene

Concen: 1.381 ug/l

RT: 7.72 min Scan# 719

Delta R.T. 0.09 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

Instrument :

MSVOA_F

ClientSampleId :

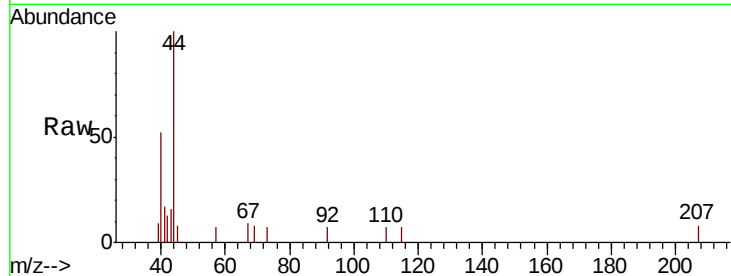
OK-02-110718-ARE

Tot Ion: 92 Resp: 60

Ion Ratio Lower Upper

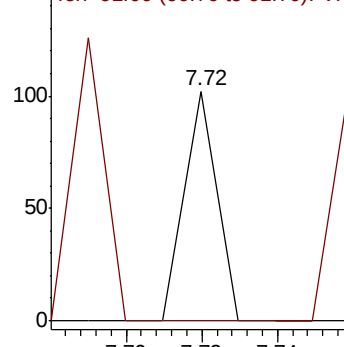
92 100

91 0.0 124.5 186.7#

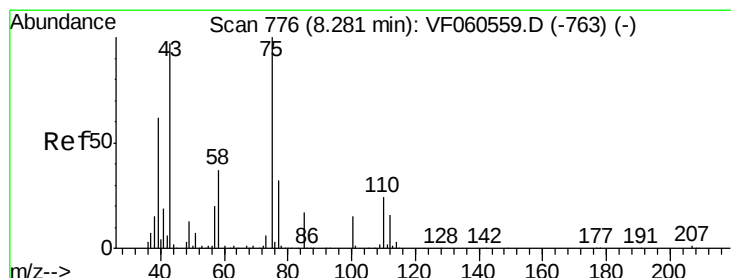
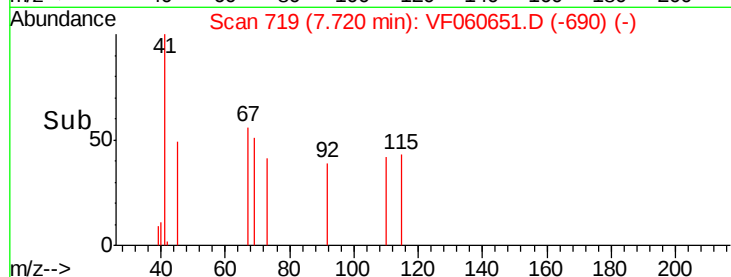


Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



Time-->



#53

t-1,3-Dichloropropene

Concen: 3.659 ug/l

RT: 8.37 min Scan# 785

Delta R.T. 0.09 min

Lab File: VF060651.D

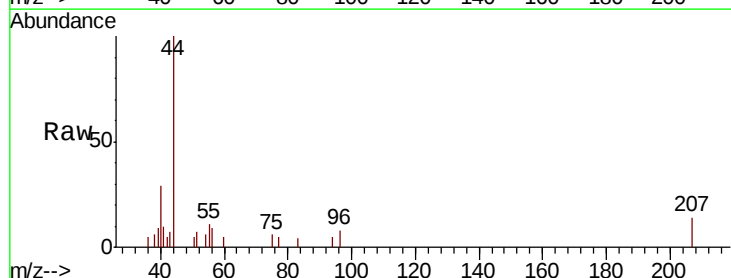
Acq: 8 Nov 2018 15:54

Tgt Ion: 75 Resp: 83

Ion Ratio Lower Upper

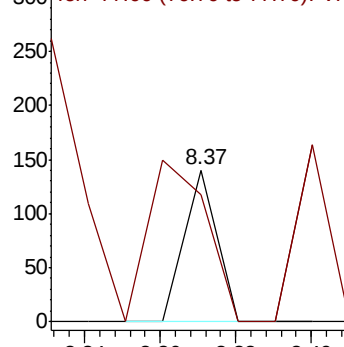
75 100

77 83.6 25.7 38.5#

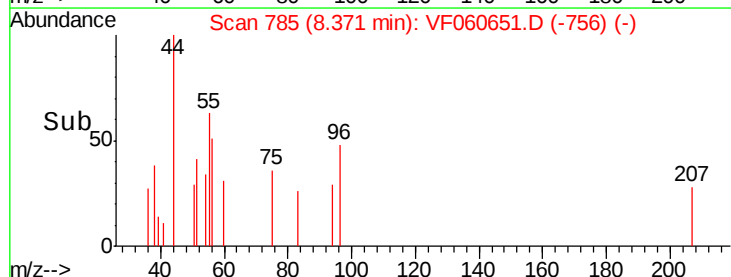


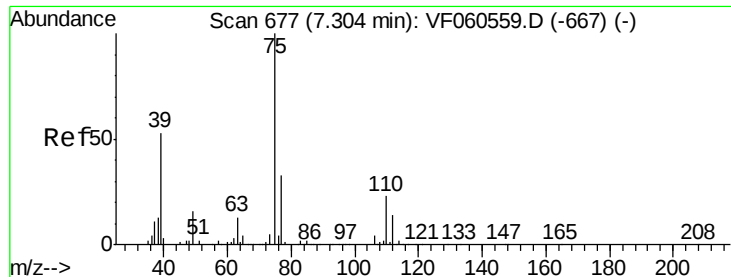
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



Time-->



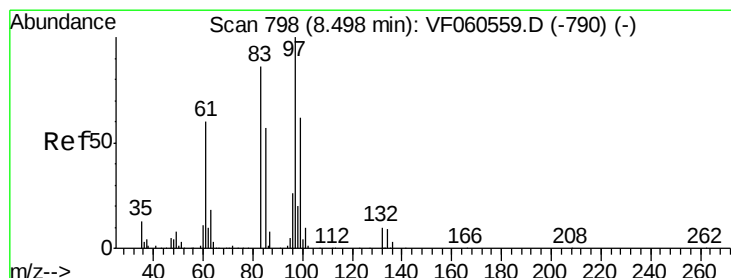
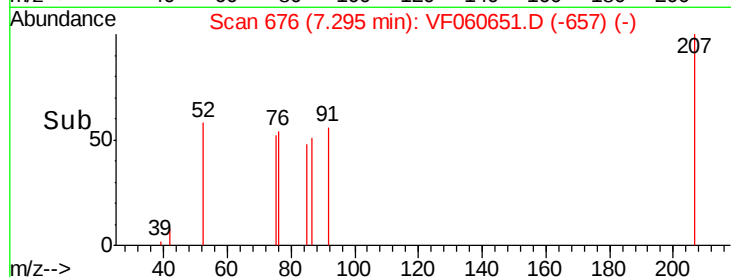
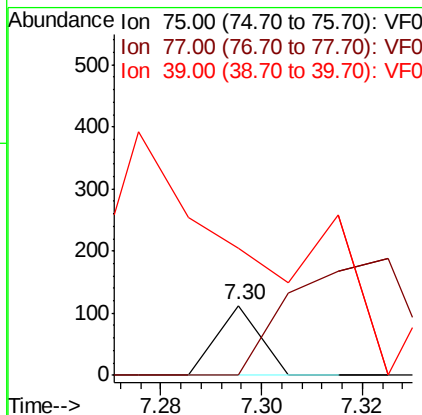
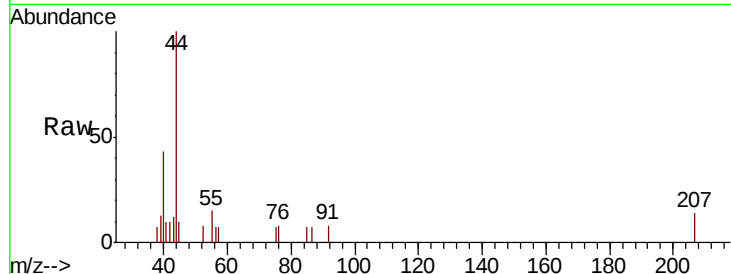


#54

cis-1,3-Dichloropropene
Concen: 2.303 ug/l
RT: 7.30 min Scan# 676
Delta R.T. -0.01 min
Lab File: VF060651.D
Acq: 8 Nov 2018 15:54

Instrument :
MSVOA_F
ClientSampleId :
OK-02-110718-ARE

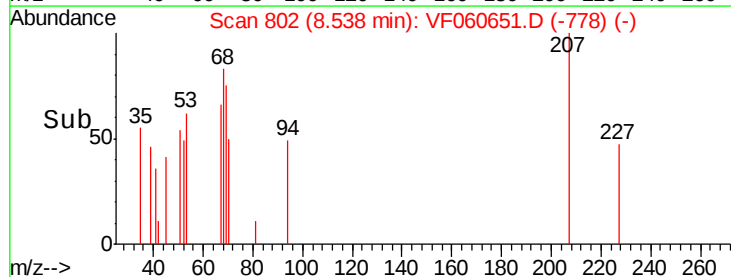
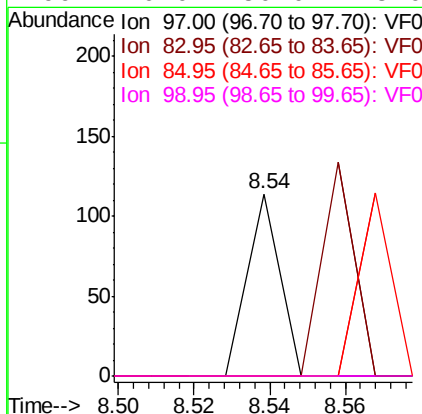
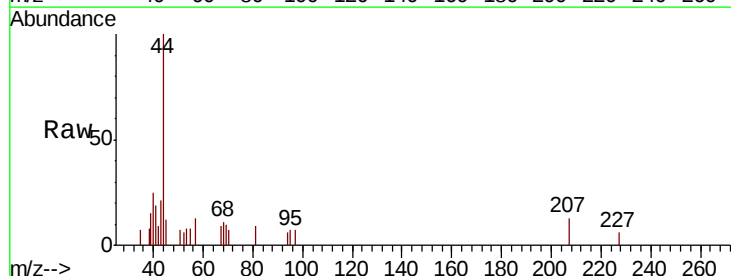
Tot Ion: 75 Resp: 66
Ion Ratio Lower Upper
75 100
77 0.0 26.7 40.1#
39 182.1 43.0 64.4#

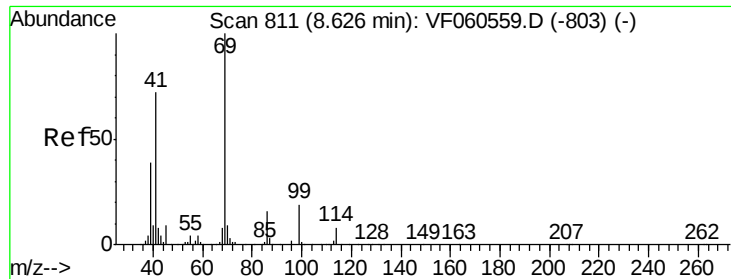


#55

1,1,2-Trichloroethane
Concen: 5.300 ug/l
RT: 8.54 min Scan# 802
Delta R.T. 0.04 min
Lab File: VF060651.D
Acq: 8 Nov 2018 15:54

Tgt Ion: 97 Resp: 67
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#





#56

Ethyl methacrylate

Concen: 5.841 ug/l

RT: 8.62 min Scan# 810

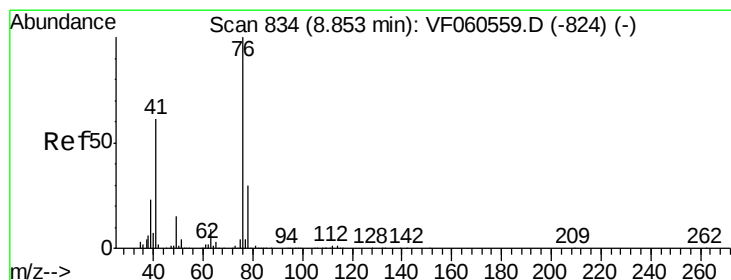
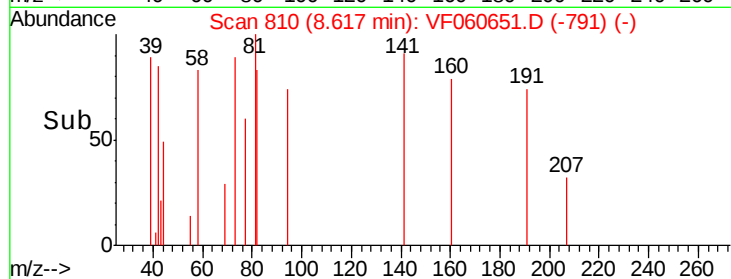
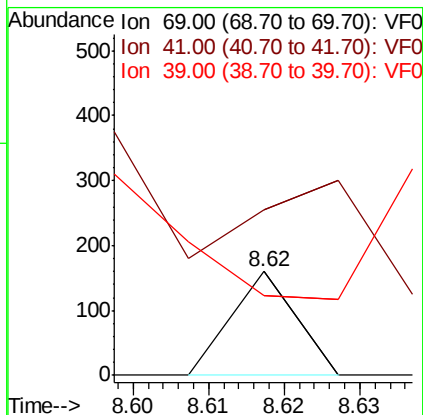
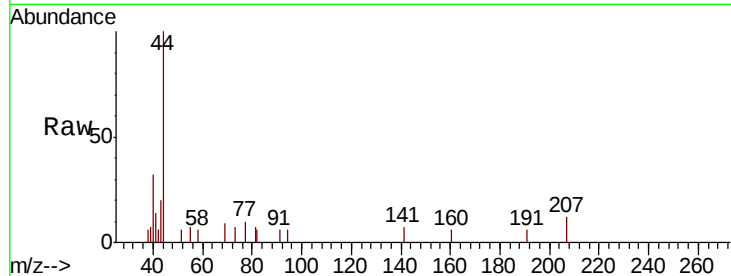
Delta R.T. -0.01 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

Instrument :
MSVOA_F
ClientSampleId :
OK-02-110718-ARE

Tot Ion:	69	Resp:	95
Ion	Ratio	Lower	Upper
69	100		
41	159.4	59.2	88.8#
39	76.9	32.3	48.5#



#57

1,3-Dichloropropane

Concen: 3.111 ug/l

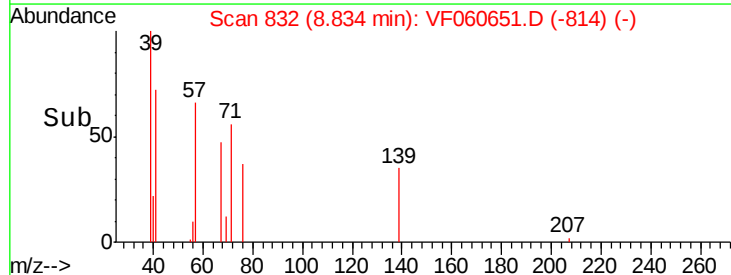
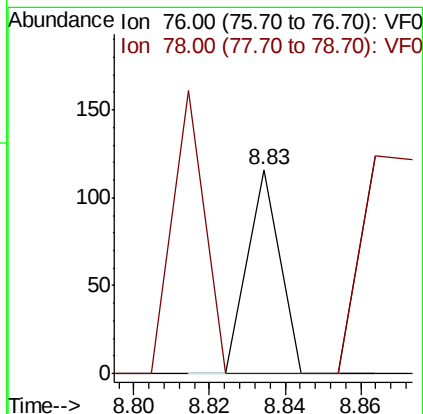
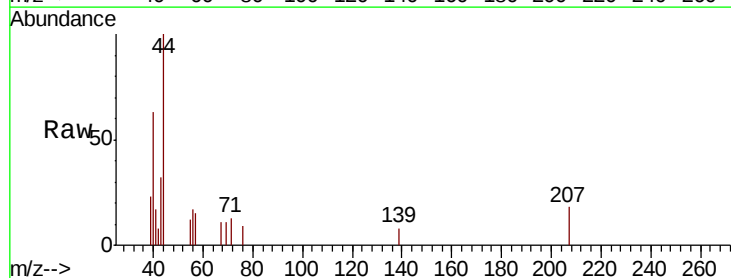
RT: 8.83 min Scan# 832

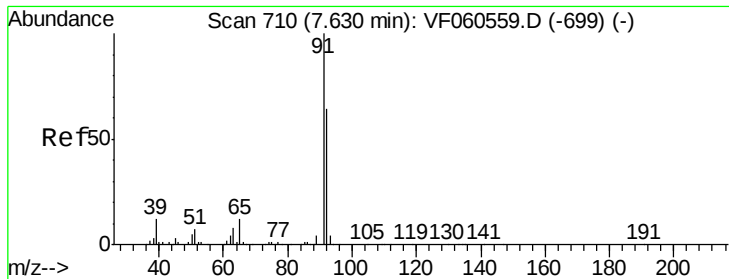
Delta R.T. -0.02 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

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





#58

2-Chloroethyl Vinyl ether

Concen: 46.457 ug/l

RT: 7.52 min Scan# 699

Delta R.T. -0.11 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

Instrument :

MSVOA_F

ClientSampleId :

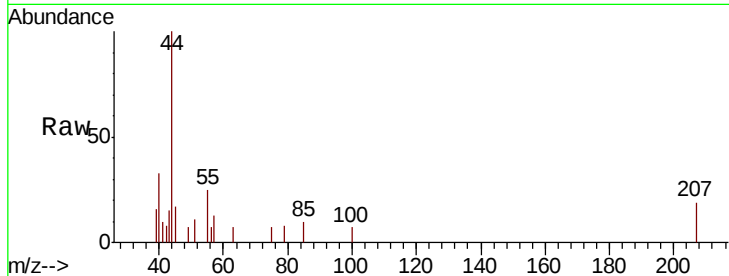
OK-02-110718-ARE

Tot Ion: 63 Resp: 66

Ion Ratio Lower Upper

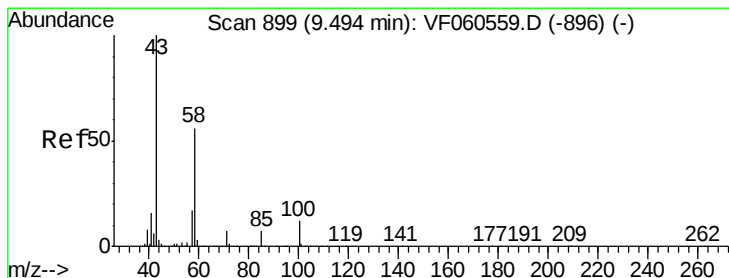
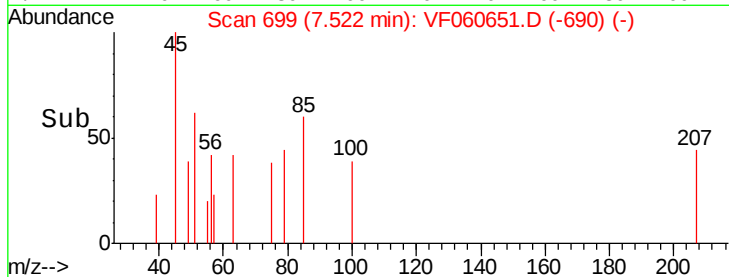
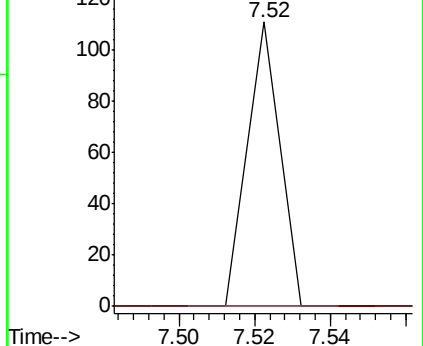
63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V



#59

2-Hexanone

Concen: Below Cal

RT: 9.49 min Scan# 898

Delta R.T. -0.01 min

Lab File: VF060651.D

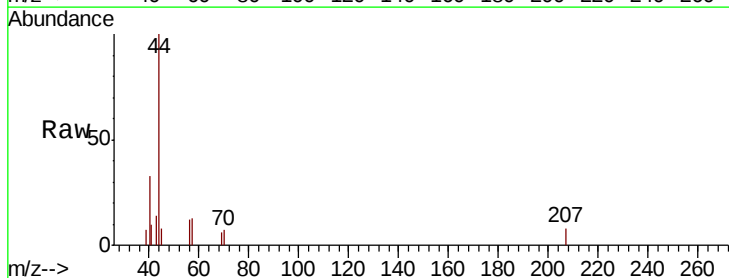
Acq: 8 Nov 2018 15:54

Tgt Ion: 43 Resp: 168

Ion Ratio Lower Upper

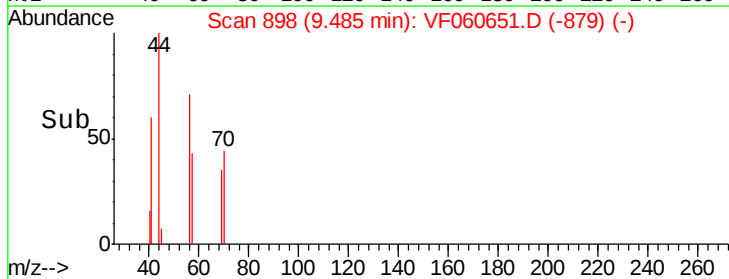
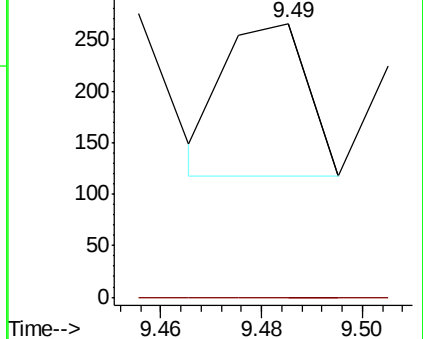
43 100

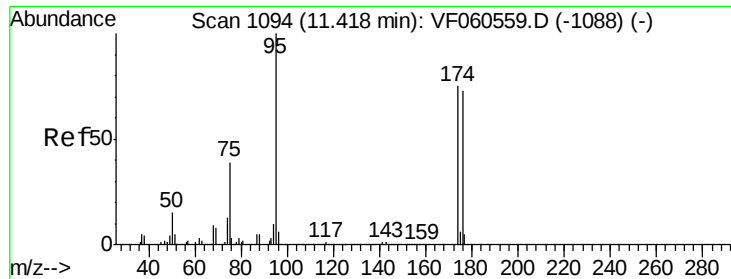
58 0.0 26.1 78.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

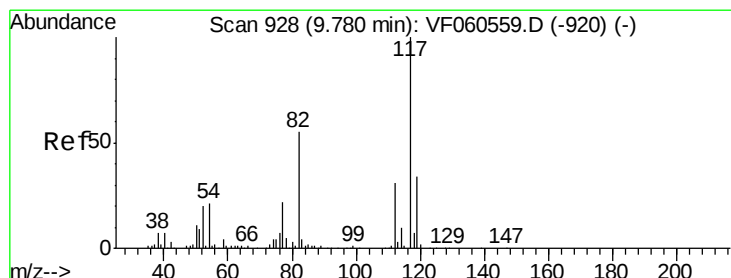
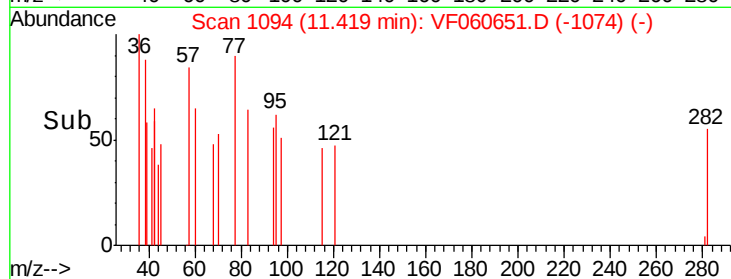
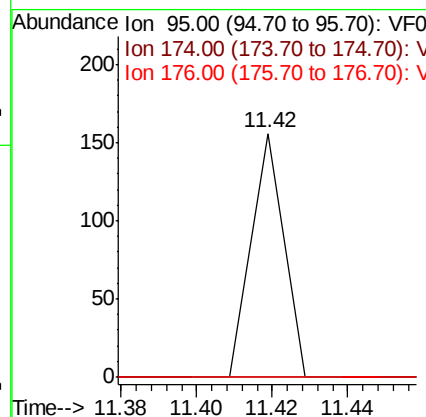
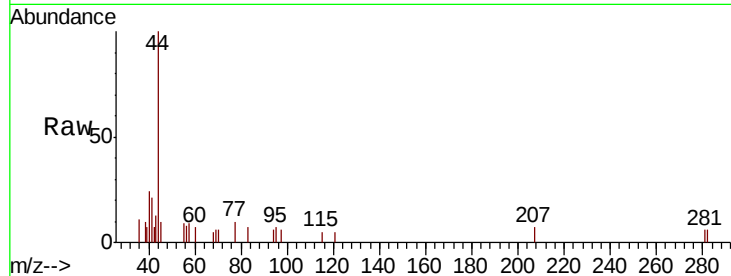




#62
4-Bromofluorobenzene
Concen: 3.683 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VF060651.D
Acq: 8 Nov 2018 15:54

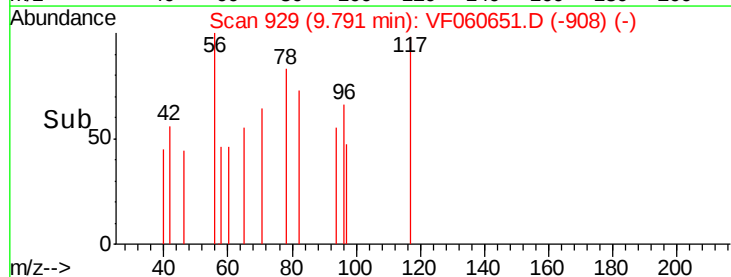
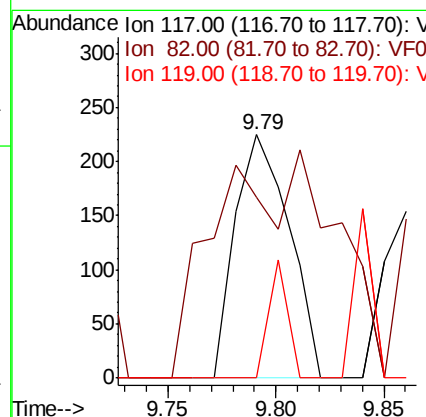
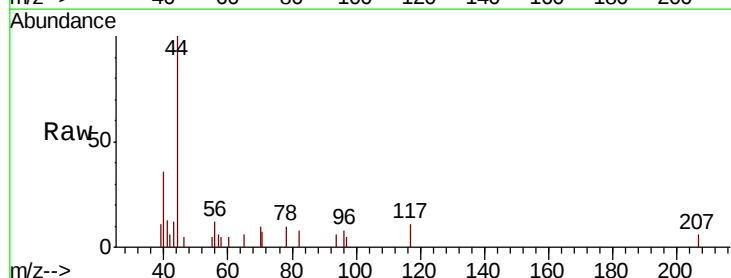
Instrument :
MSVOA_F
ClientSampleId :
OK-02-110718-ARE

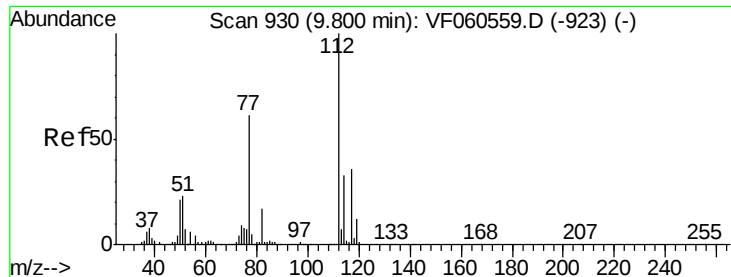
Tot Ion	95	Resp	92
Ion Ratio	100		
Lower			
Upper			
174	0.0	0.0	149.0
176	0.0	0.0	145.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.01 min
Lab File: VF060651.D
Acq: 8 Nov 2018 15:54

Tgt Ion	117	Resp	390
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower <td></td> <td></td> <td></td>			
Upper <td></td> <td></td> <td></td>			
82	74.2	43.9	65.9#
119	0.0	27.4	41.0#

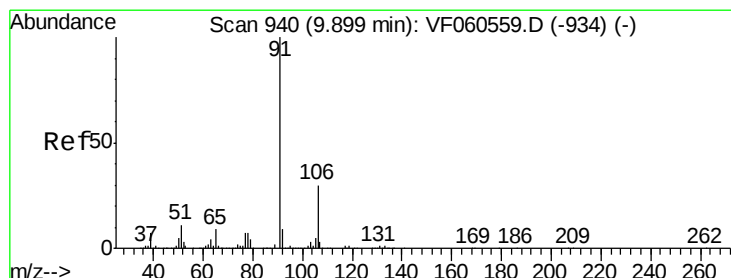
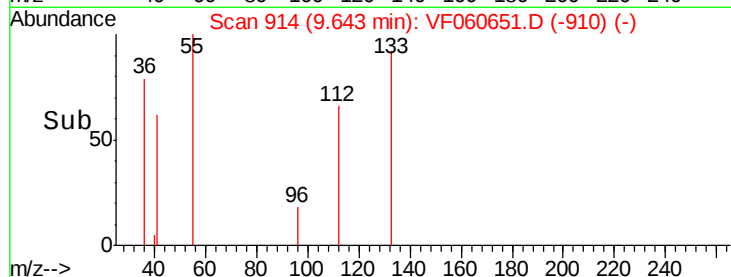
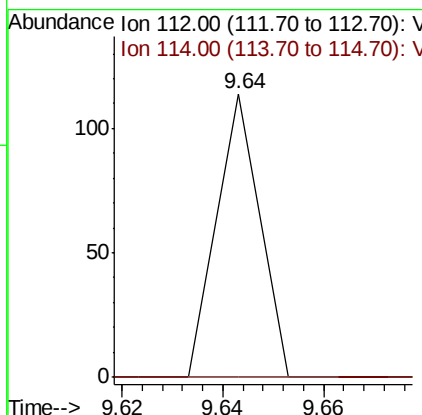
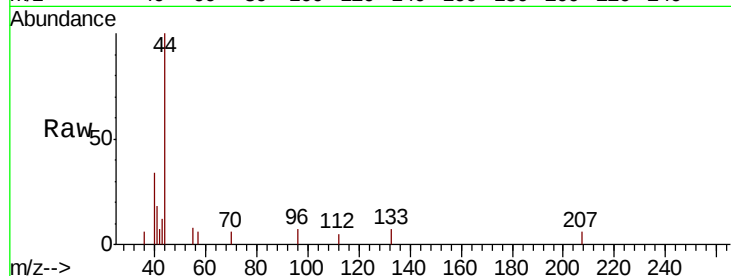




#65
Chlorobenzene
Concen: 8.401 ug/l
RT: 9.64 min Scan# 914
Delta R.T. -0.16 min
Lab File: VF060651.D
Acq: 8 Nov 2018 15:54

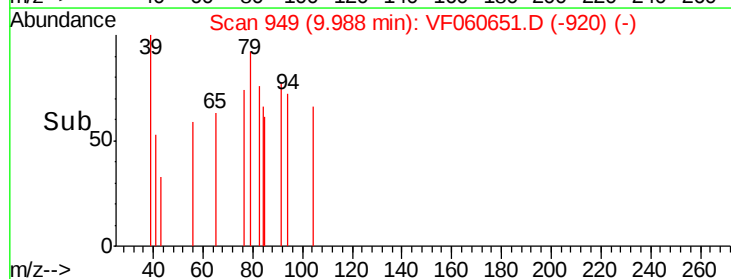
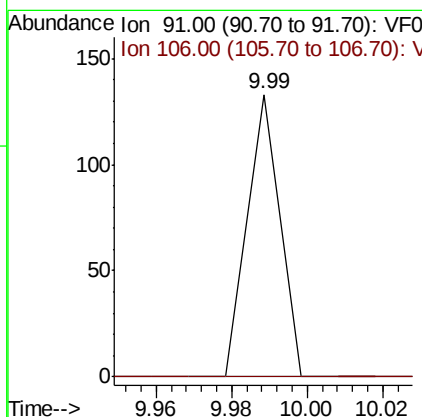
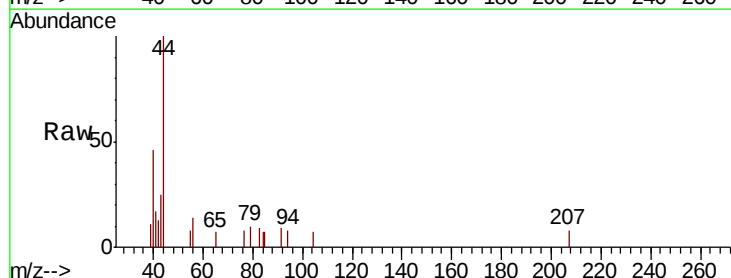
Instrument :
MSVOA_F
ClientSampleId :
OK-02-110718-ARE

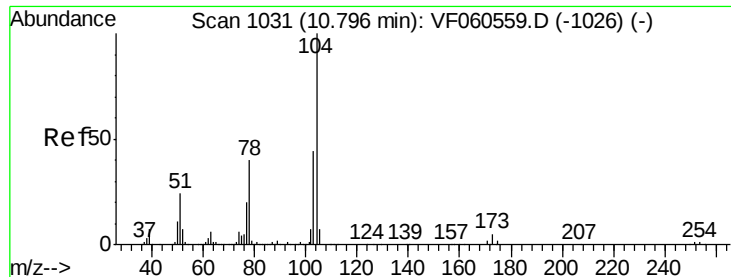
Tot Ion: 112 Resp: 67
Ion Ratio Lower Upper
112 100
114 0.0 26.6 40.0#



#67
Ethyl Benzene
Concen: 5.458 ug/l
RT: 9.99 min Scan# 949
Delta R.T. 0.09 min
Lab File: VF060651.D
Acq: 8 Nov 2018 15:54

Tgt Ion: 91 Resp: 79
Ion Ratio Lower Upper
91 100
106 0.0 24.2 36.4#





#70

Stvrene

Concen: 7.653 ug/l

RT: 10.72 min Scan# 1023

Delta R.T. -0.08 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

Instrument :

MSVOA_F

ClientSampleId :

OK-02-110718-ARE

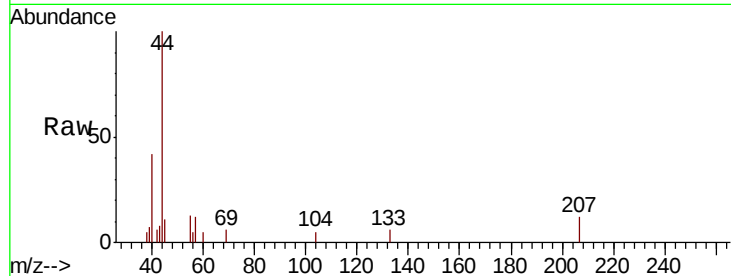
Tot Ion:104 Resp: 66

Ion Ratio Lower Upper

104 100

78 0.0 32.6 49.0#

103 0.0 35.2 52.8#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V

10.72

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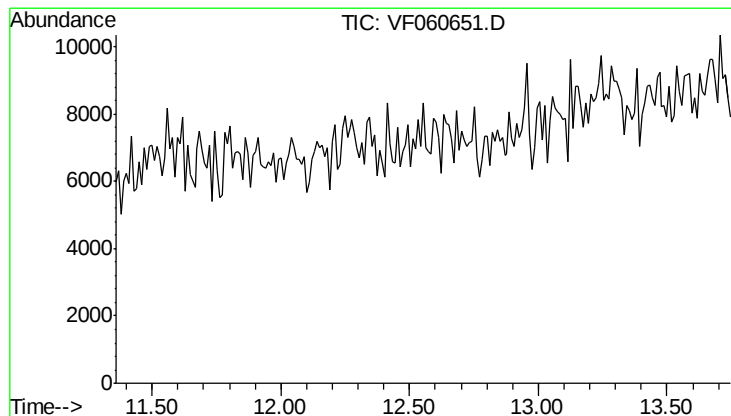
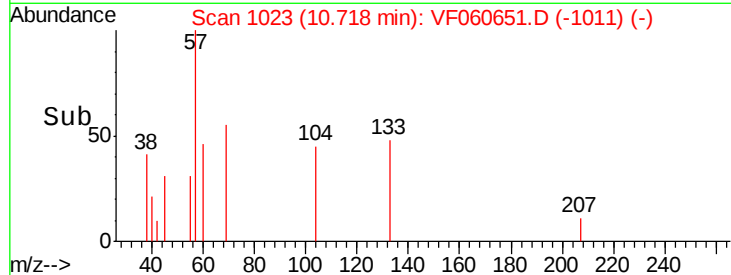
10.72

10.72

10.72

10.72

10.72



#72

1,4-Dichlorobenzene-d4

Concen: 0.000 ug/l

Expected RT: 12.55 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

Tgt Ion: 152

Sig Exp Ratio

152 100

115 59.2

150 157.8

