

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100418\
 Data File : VF060450.D
 Acq On : 4 Oct 2018 21:50
 Operator : VA/AP
 Sample : J5199-01
 Misc : 7.37/5mL/MSVOA F/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OK-01-100318

Quant Time: Oct 05 01:13:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	574	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.84	117	61	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.62

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	66	9.41	ug/l	0.04
Spiked Amount	50.000		Recovery	=	18.82%	
35) Dibromofluoromethane	4.28	113	63	11.68	ug/l	0.02
Spiked Amount	50.000		Recovery	=	23.36%	
50) Toluene-d8	7.68	98	159	11.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.94%	
62) 4-Bromofluorobenzene	11.45	95	172	28.37	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	56.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.01	85	101	5.447	ug/l #	43
3) Chloromethane	1.09	50	161	26.465	ug/l	89
4) Vinyl Chloride	1.16	62	137	21.649	ug/l #	1
5) Bromomethane	1.43	94	95	19.381	ug/l	87
6) Chloroethane	1.35	64	79	25.016	ug/l #	42
7) Trichlorofluoromethane	1.37	101	75	5.108	ug/l #	77
8) Diethyl Ether	1.72	74	115	57.152	ug/l	45
9) 1,1,2-Trichlorotrifluoroet	1.92	101	65	9.242	ug/l #	22
11) Tert butyl alcohol	2.68	59	186	438.653	ug/l #	1
12) 1,1-Dichloroethene	1.82	96	182	33.492	ug/l #	1
13) Acrolein	2.09	56	99	290.318	ug/l #	16
14) Allyl chloride	2.20	41	82	9.417	ug/l #	65
15) Acrylonitrile	3.04	53	63	86.709	ug/l #	3
16) Acetone	2.32	43	130	73.276	ug/l #	66
17) Carbon Disulfide	1.92	76	60	3.646	ug/l #	68
18) Methyl Acetate	2.42	43	219	84.344	ug/l #	57
19) Methyl tert-butyl Ether	2.50	73	112	8.462	ug/l #	23
20) Methylene Chloride	2.38	84	79	11.109	ug/l #	1
21) trans-1,2-Dichloroethene	2.40	96	138	25.427	ug/l #	1
22) Diisopropyl ether	2.91	45	253	16.008	ug/l #	1
23) Vinyl Acetate	3.34	43	488	77.728	ug/l #	81
24) 1,1-Dichloroethane	2.99	63	173	16.186	ug/l #	90
25) 2-Butanone	4.46	43	98	53.990	ug/l #	1
26) 2,2-Dichloropropane	3.70	77	72	11.894	ug/l #	61
27) cis-1,2-Dichloroethene	3.70	96	70	11.536	ug/l	1
28) Bromochloromethane	3.87	49	64	16.247	ug/l #	10
29) Tetrahydrofuran	4.57	42	218	320.104	ug/l	97
30) Chloroform	4.12	83	164	12.435	ug/l	91
31) Cyclohexane	3.84	56	251	32.705	ug/l #	17
32) 1,1,1-Trichloroethane	4.24	97	70	6.378	ug/l #	23
36) 1,1-Dichloropropene	4.45	75	62	8.761	ug/l #	45
37) Ethyl Acetate	4.27	43	769	283.758	ug/l #	1
38) Carbon Tetrachloride	4.16	117	59	6.849	ug/l #	13
39) Methylcyclohexane	5.53	83	104	14.990	ug/l #	10

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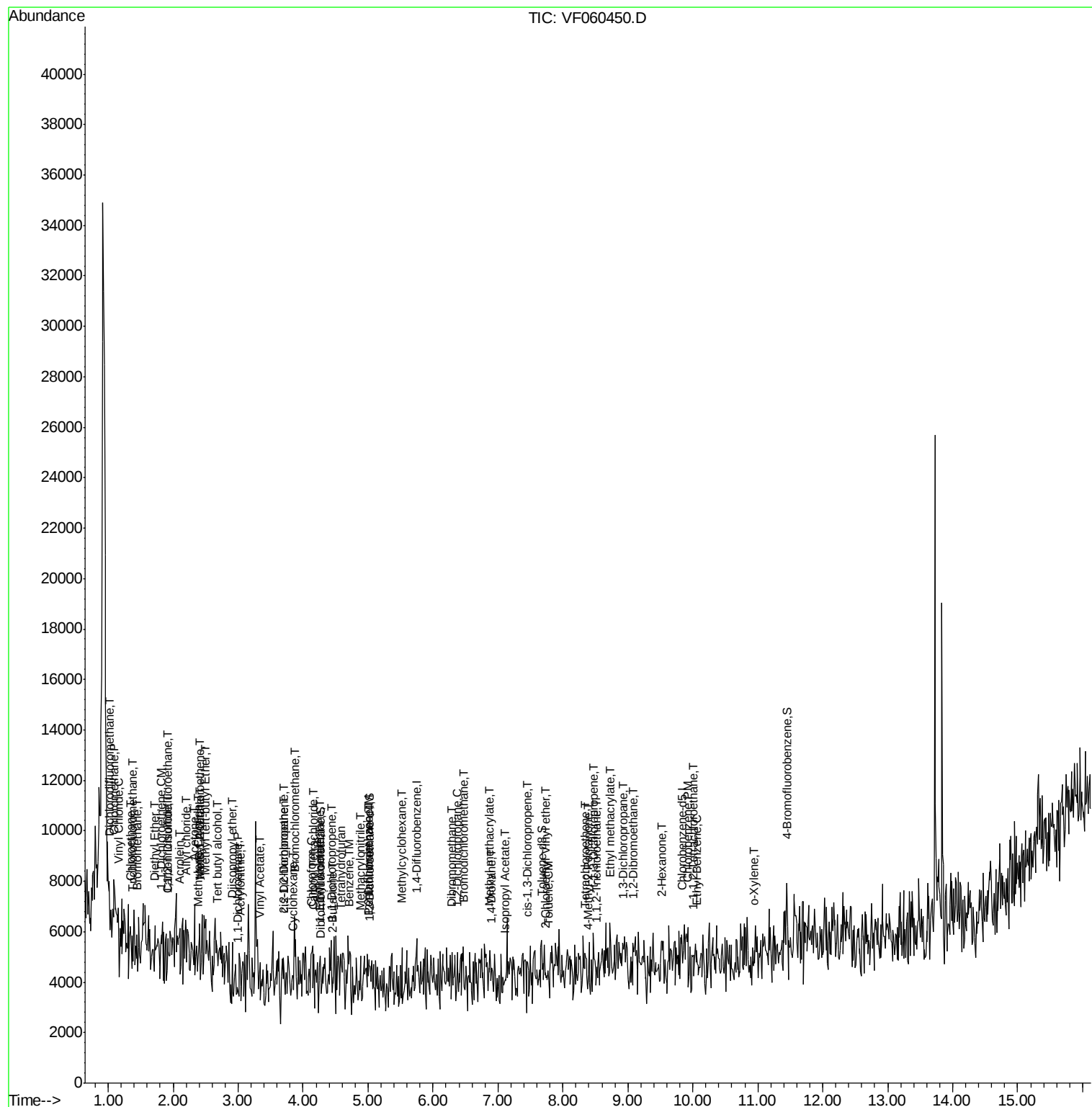
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.73	78	63	4.484	ug/l #	1
41) Methacrylonitrile	4.89	41	609	423.821	ug/l #	74
42) 1,2-Dichloroethane	5.01	62	84	12.533	ug/l	83
43) Isopropyl Acetate	7.10	43	160	48.854	ug/l #	44
45) 1,2-Dichloropropane	6.38	63	84	22.451	ug/l #	46
46) Dibromomethane	6.30	93	61	20.278	ug/l #	9
47) Bromodichloromethane	6.46	83	162	21.745	ug/l #	23
48) Methyl methacrylate	6.86	41	760	323.276	ug/l #	49
49) 1,4-Dioxane	6.91	88	75	3700.009	ug/l #	1
51) 4-Methyl-2-Pentanone	8.38	43	83	35.602	ug/l #	39
52) Toluene	7.77	92	61	6.392	ug/l #	1
53) t-1,3-Dichloropropene	8.46	75	79	13.531	ug/l #	1
54) cis-1,3-Dichloropropene	7.46	75	161	23.594	ug/l #	73
55) 1,1,2-Trichloroethane	8.51	97	67	22.151	ug/l #	18
56) Ethyl methacrylate	8.73	69	218	63.427	ug/l #	53
57) 1,3-Dichloropropane	8.92	76	73	14.266	ug/l #	43
58) 2-Chloroethyl Vinyl ether	7.73	63	64	182.296	ug/l	100
59) 2-Hexanone	9.51	43	331	193.569	ug/l	90
61) 1,2-Dibromoethane	9.09	107	76	22.963	ug/l #	4
64) Tetrachloroethene	8.33	164	82	169.102	ug/l #	1
65) Chlorobenzene	9.93	112	90	71.824	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.01	131	73	133.424	ug/l #	9
67) Ethyl Benzene	10.06	91	108	45.330	ug/l #	47
69) o-Xylene	10.94	106	60	67.207	ug/l #	1

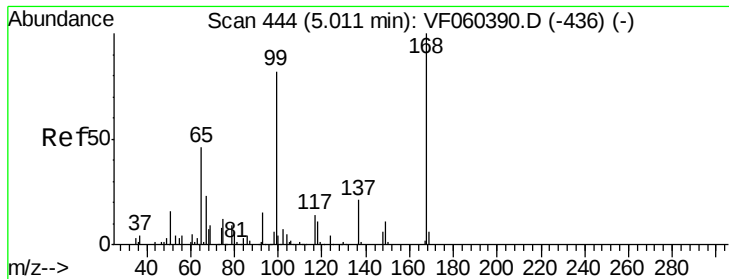
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.01 min Scan# 444

Delta R.T. -0.00 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

Instrument :

MSVOA_F

ClientSampleId :

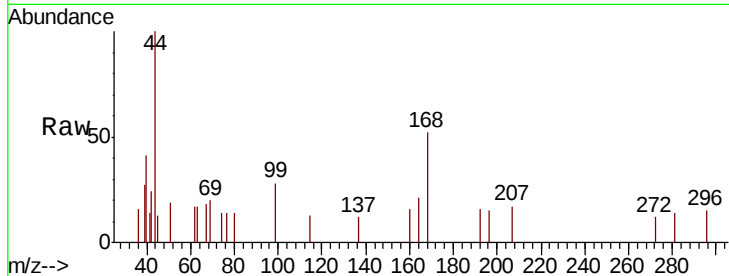
OK-01-100318

Tot Ion:168 Resp: 448

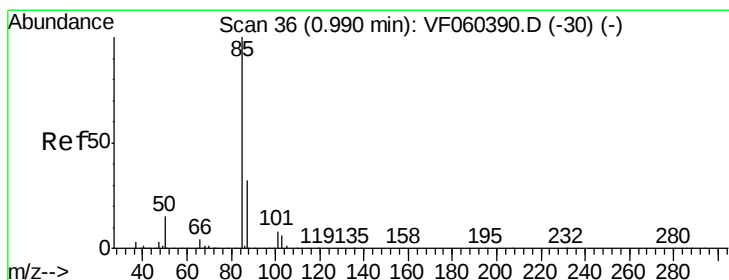
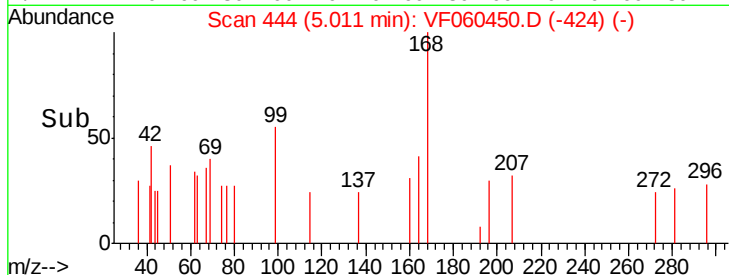
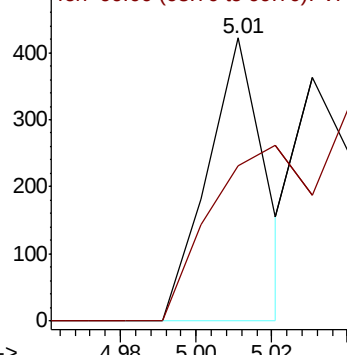
Ion Ratio Lower Upper

168 100

99 54.7 65.3 97.9#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 5.447 ug/l

RT: 1.01 min Scan# 38

Delta R.T. 0.02 min

Lab File: VF060450.D

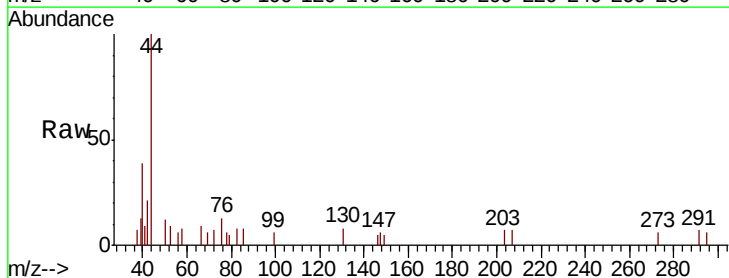
Acq: 4 Oct 2018 21:50

Tgt Ion: 85 Resp: 101

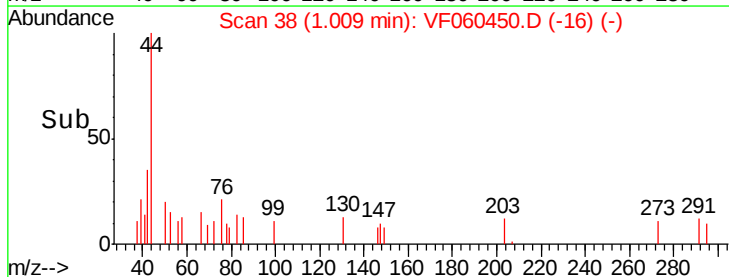
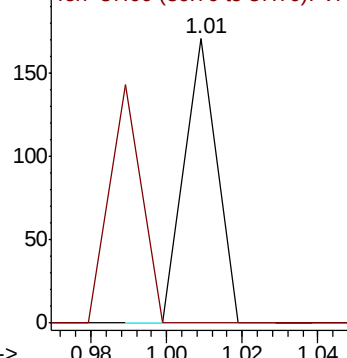
Ion Ratio Lower Upper

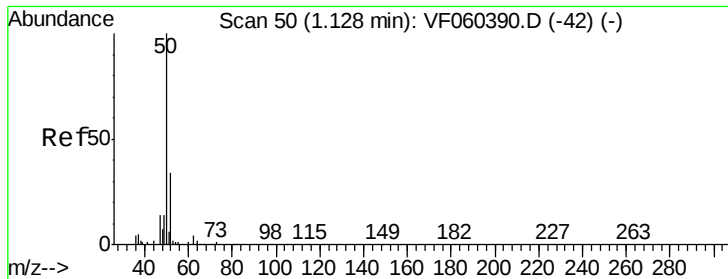
85 100

87 0.0 15.9 47.6#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 26.465 ug/l

RT: 1.09 min Scan# 46

Delta R.T. -0.04 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

Instrument :

MSVOA_F

ClientSampleId :

OK-01-100318

Tot Ion: 50 Resp: 161

Ion Ratio Lower Upper

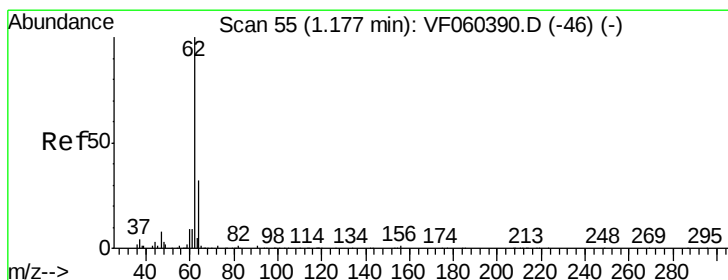
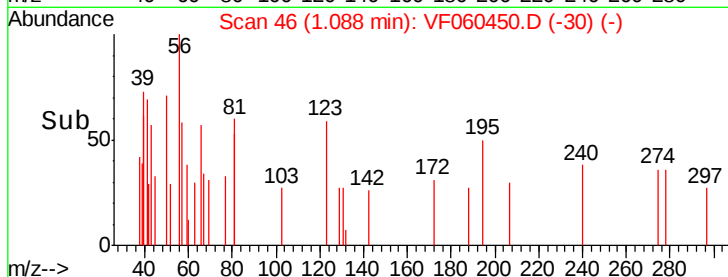
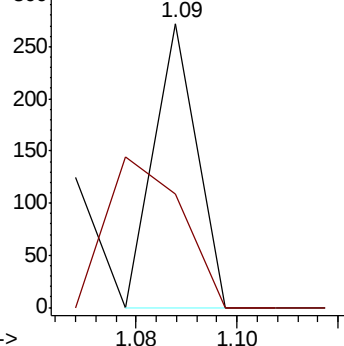
50 100

52 40.1 26.9 40.3



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 21.649 ug/l

RT: 1.16 min Scan# 53

Delta R.T. -0.02 min

Lab File: VF060450.D

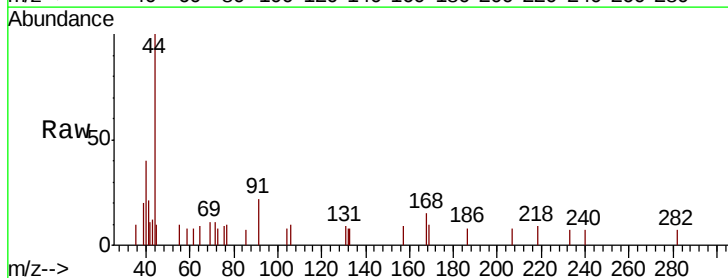
Acq: 4 Oct 2018 21:50

Tgt Ion: 62 Resp: 137

Ion Ratio Lower Upper

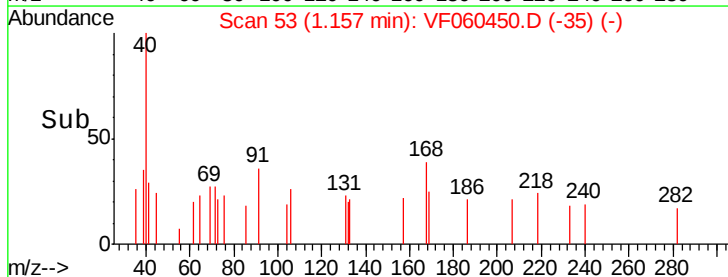
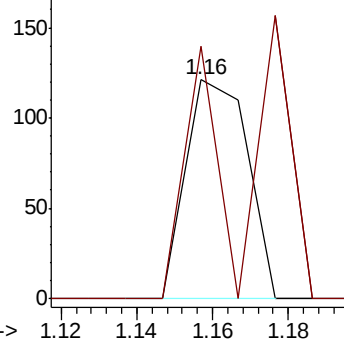
62 100

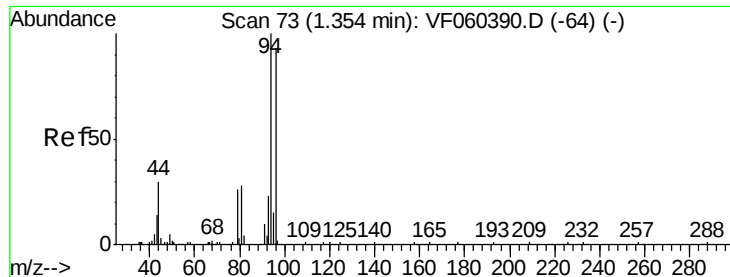
64 115.7 25.8 38.6#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 19.381 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.08 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

Instrument :

MSVOA_F

ClientSampleId :

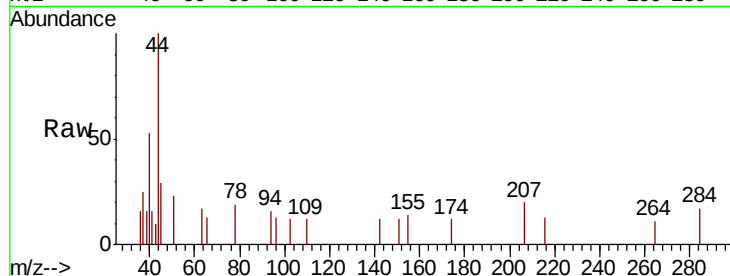
OK-01-100318

Tot Ion: 94 Resp: 95

Ion Ratio Lower Upper

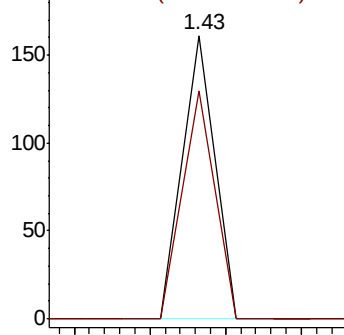
94 100

96 80.7 74.3 111.5

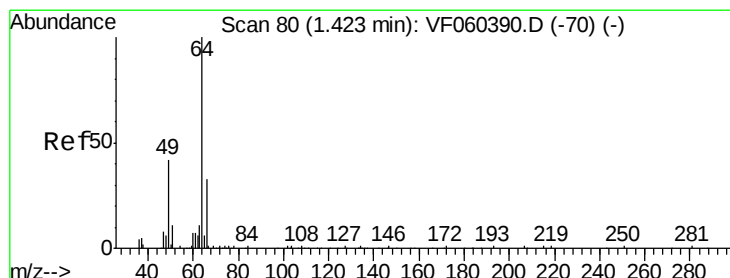
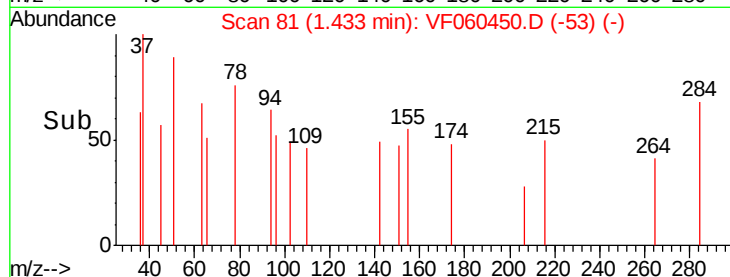


Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



Time--> 1.40 1.42 1.44 1.46



#6

Chloroethane

Concen: 25.016 ug/l

RT: 1.35 min Scan# 73

Delta R.T. -0.07 min

Lab File: VF060450.D

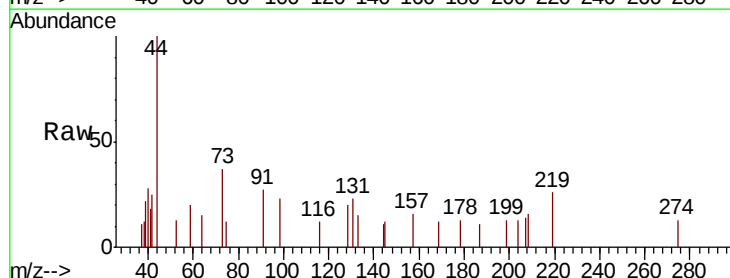
Acq: 4 Oct 2018 21:50

Tgt Ion: 64 Resp: 79

Ion Ratio Lower Upper

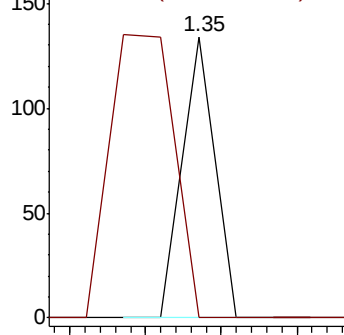
64 100

66 0.0 26.3 39.5#

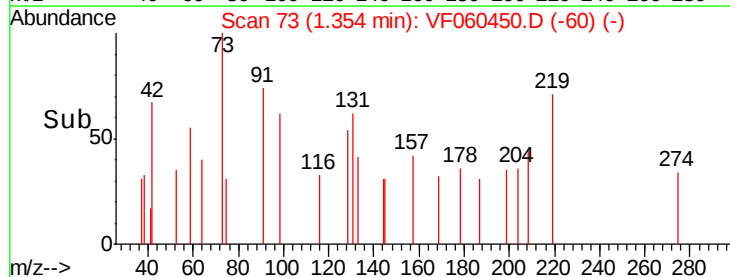


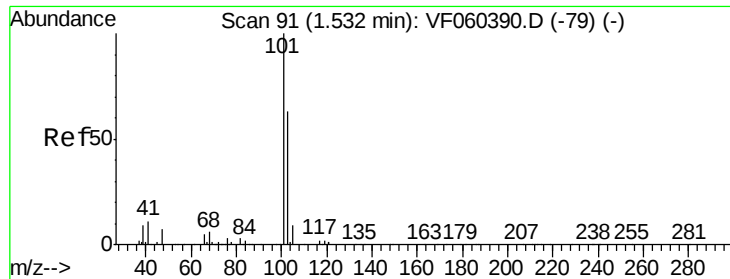
Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



Time--> 1.32 1.34 1.36 1.38





#7

Trichlorofluoromethane

Concen: 5.108 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.16 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

Instrument :

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ClientSampleId :

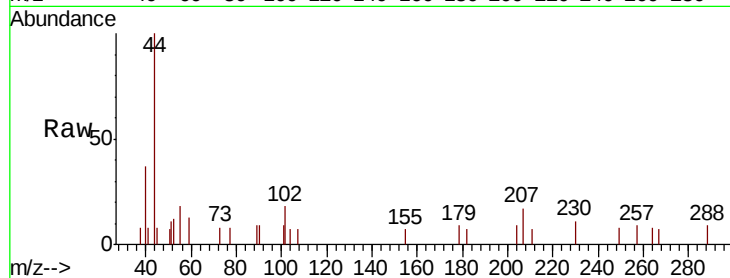
OK-01-100318

Tot Ion:101 Resp: 75

Ion Ratio Lower Upper

101 100

103 81.9 51.0 76.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

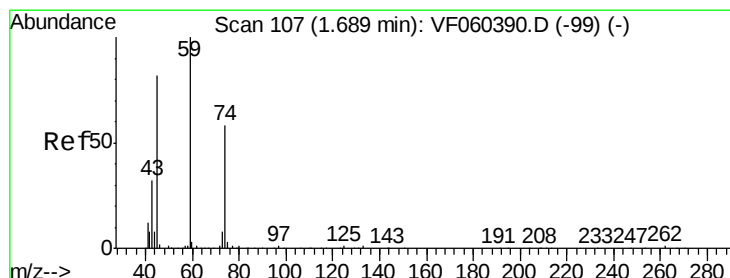
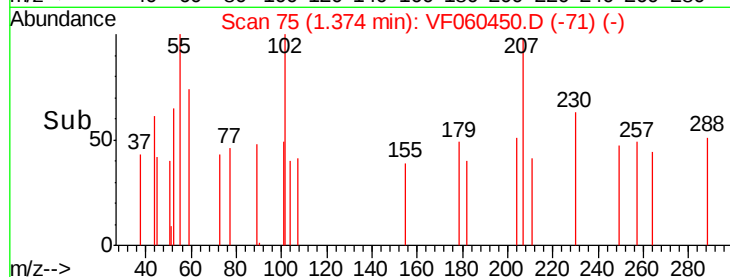
1.37

100

50

0

Time-->



#8

Diethyl Ether

Concen: 57.152 ug/l

RT: 1.72 min Scan# 110

Delta R.T. 0.03 min

Lab File: VF060450.D

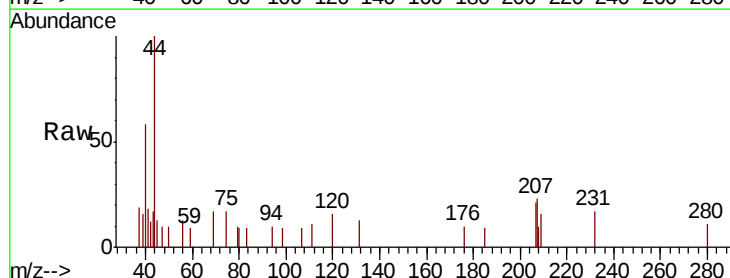
Acq: 4 Oct 2018 21:50

Tgt Ion: 74 Resp: 115

Ion Ratio Lower Upper

74 100

45 74.9 71.3 213.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.72

200

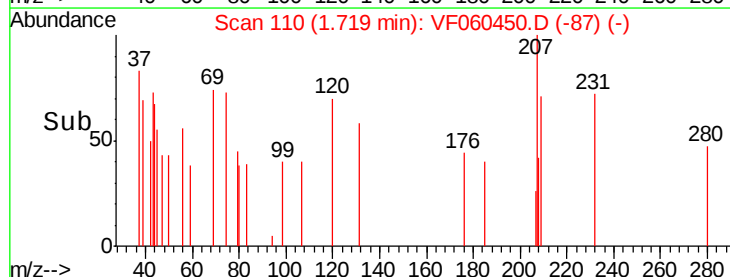
150

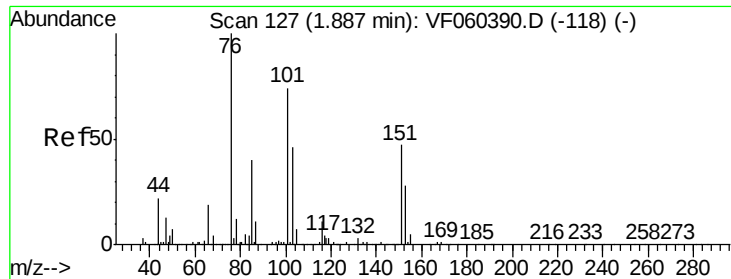
100

50

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.242 ug/l

RT: 1.92 min Scan# 130

Delta R.T. 0.03 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

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MSVOA_F

ClientSampled :

OK-01-100318

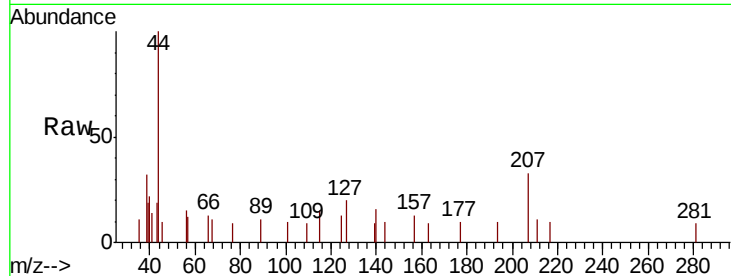
Tot Ion:101 Resp: 65

Ion Ratio Lower Upper

101 100

85 0.0 42.5 63.7#

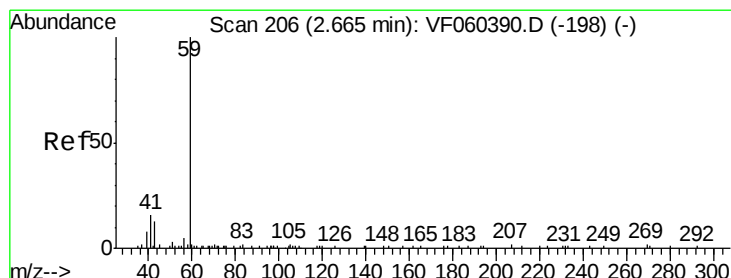
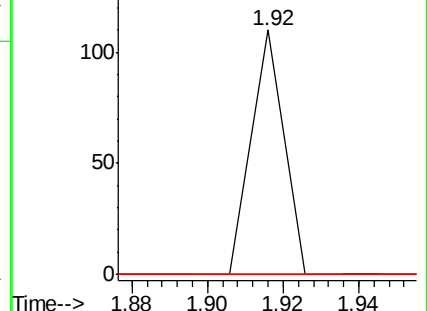
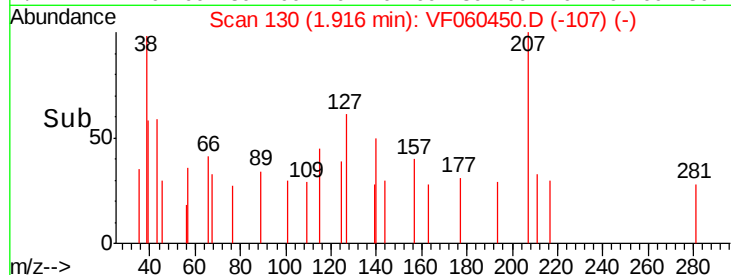
151 0.0 49.8 74.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#11

Tert butyl alcohol

Concen: 438.653 ug/l

RT: 2.68 min Scan# 208

Delta R.T. 0.02 min

Lab File: VF060450.D

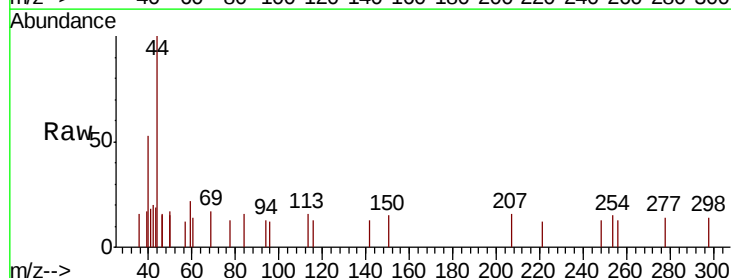
Acq: 4 Oct 2018 21:50

Tgt Ion: 59 Resp: 186

Ion Ratio Lower Upper

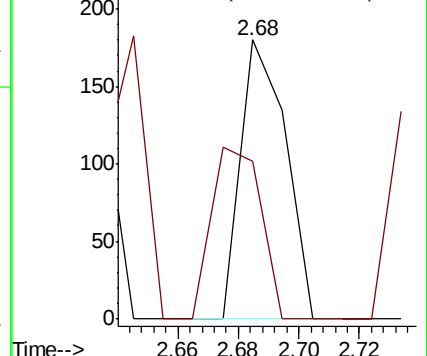
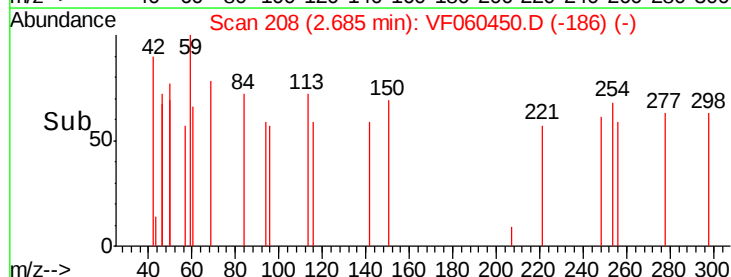
59 100

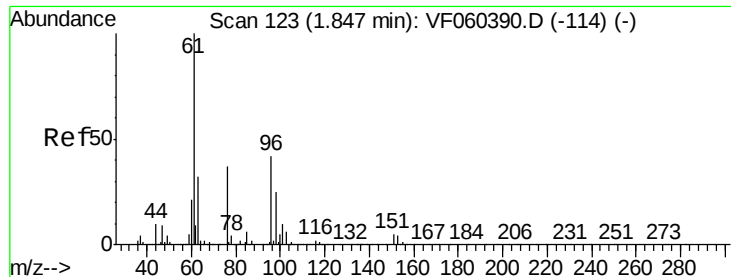
57 56.7 6.5 9.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#12

1,1-Dichloroethene

Concen: 33.492 ug/l

RT: 1.82 min Scan# 120

Delta R.T. -0.03 min

Lab File: VF060450.D

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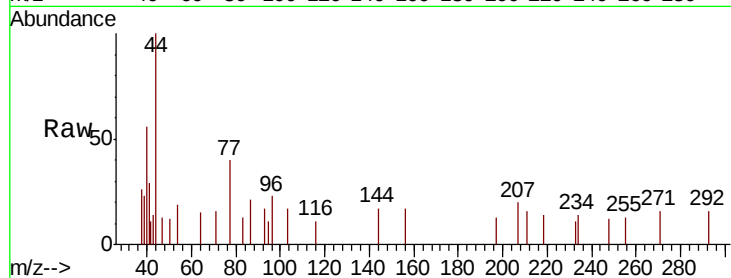
Tot Ion: 96 Resp: 182

Ion Ratio Lower Upper

96 100

61 0.0 189.4 284.0#

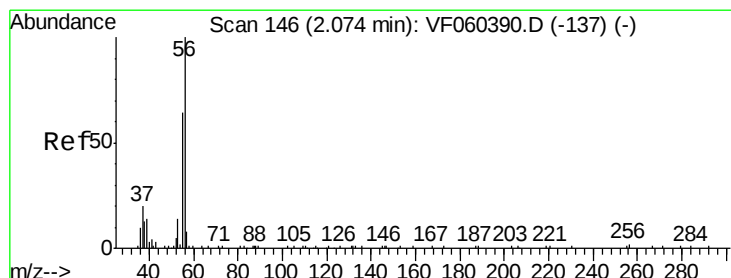
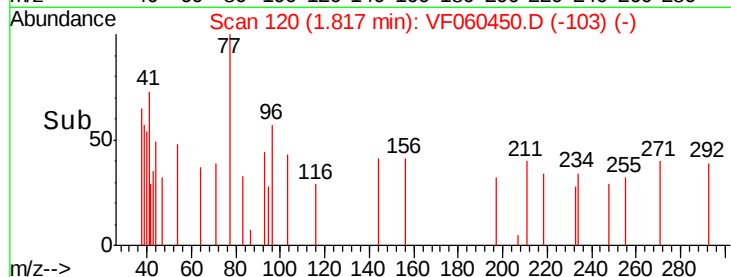
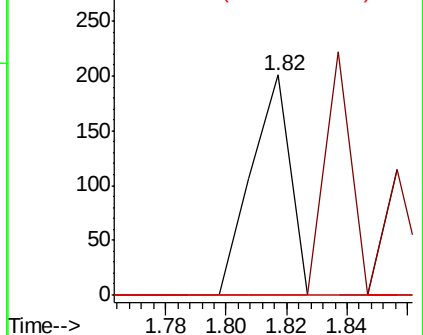
98 0.0 47.8 71.6#



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



#13

Acrolein

Concen: 290.318 ug/l

RT: 2.09 min Scan# 148

Delta R.T. 0.02 min

Lab File: VF060450.D

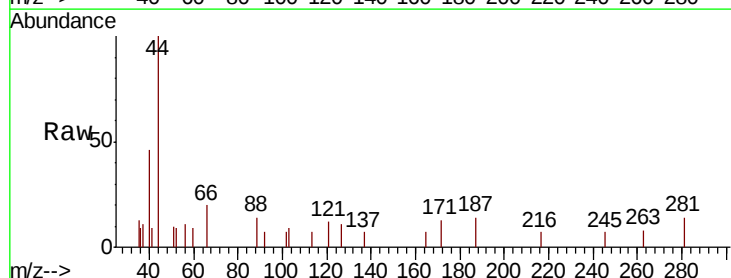
Acq: 4 Oct 2018 21:50

Tgt Ion: 56 Resp: 99

Ion Ratio Lower Upper

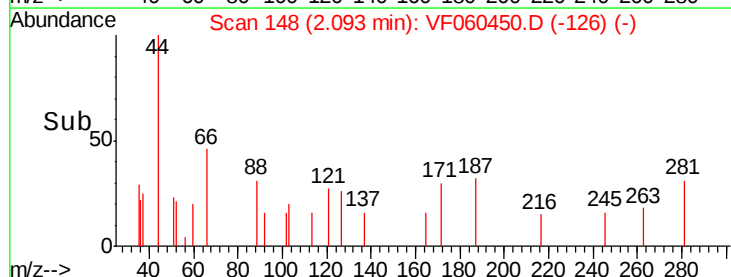
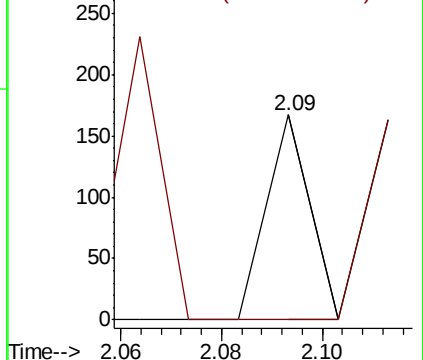
56 100

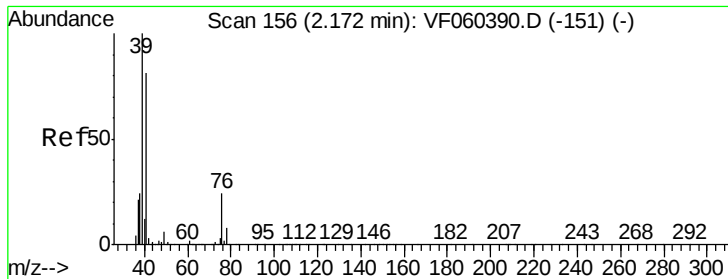
55 0.0 53.9 80.9#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

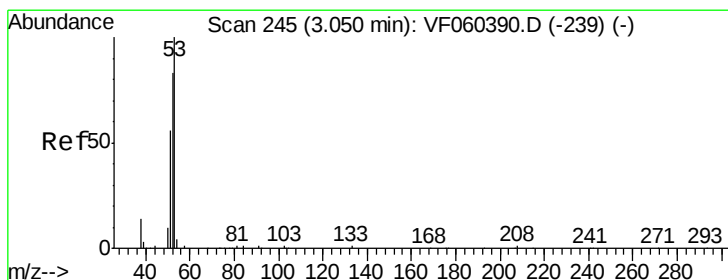
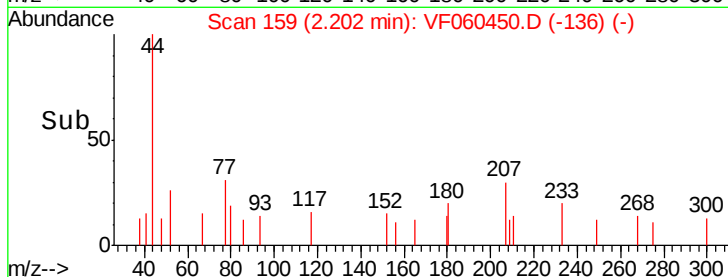
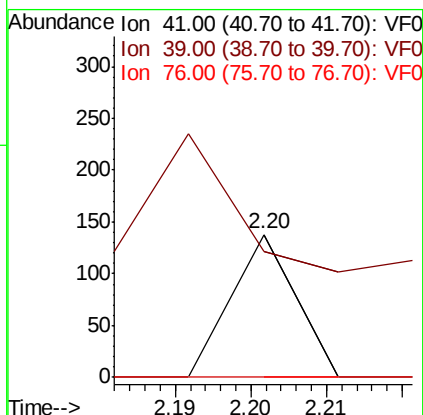
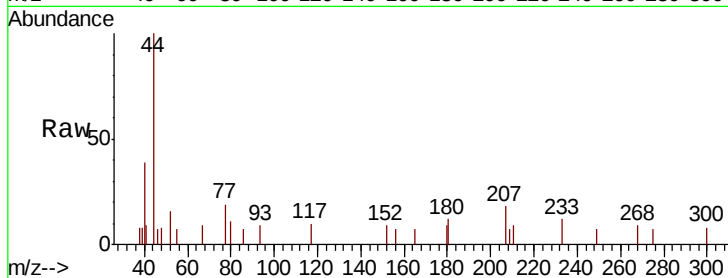




#14
Allvl chloride
Concen: 9.417 ug/l
RT: 2.20 min Scan# 159
Delta R.T. 0.03 min
Lab File: VF060450.D
Acq: 4 Oct 2018 21:50

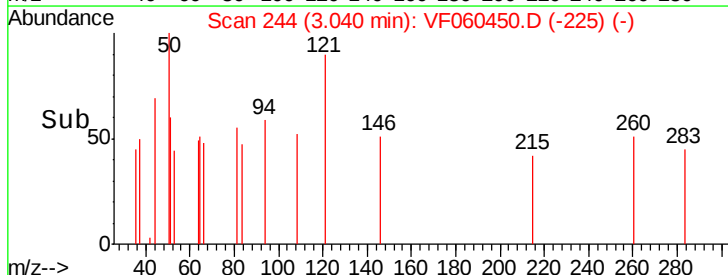
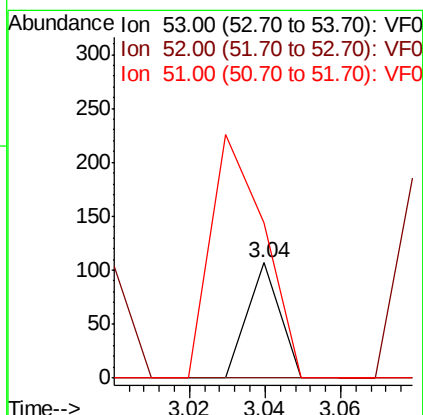
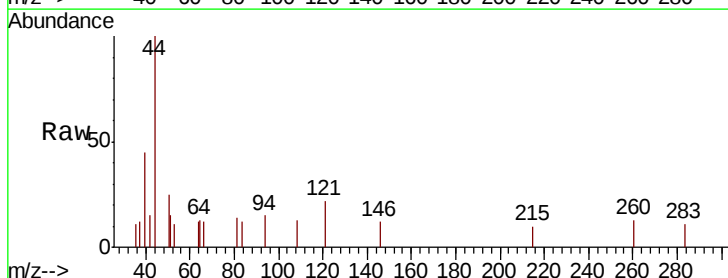
Instrument :
MSVOA_F
ClientSampled :
OK-01-100318

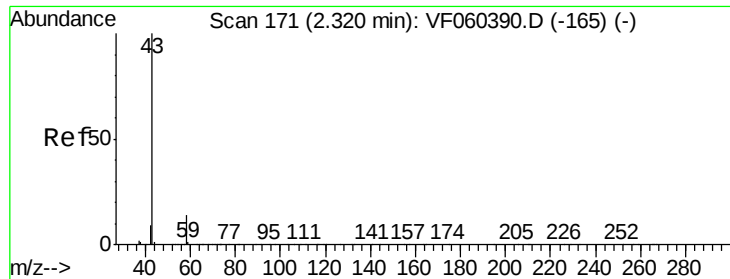
Tot Ion: 41 Resp: 82
Ion Ratio Lower Upper
41 100
39 88.4 98.3 147.5#
76 0.0 23.9 35.9#



#15
Acrylonitrile
Concen: 86.709 ug/l
RT: 3.04 min Scan# 244
Delta R.T. -0.01 min
Lab File: VF060450.D
Acq: 4 Oct 2018 21:50

Tgt Ion: 53 Resp: 63
Ion Ratio Lower Upper
53 100
52 0.0 66.0 99.0#
51 134.6 45.6 68.4#

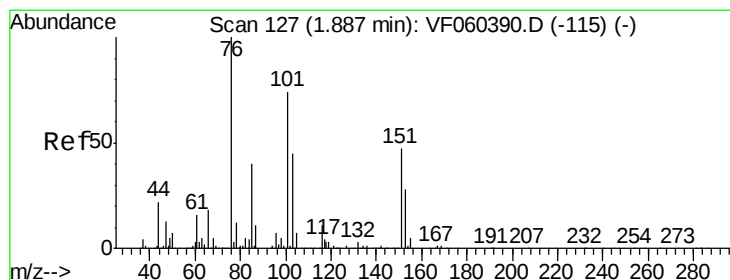
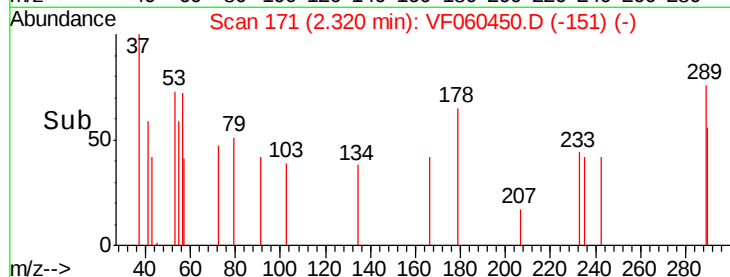
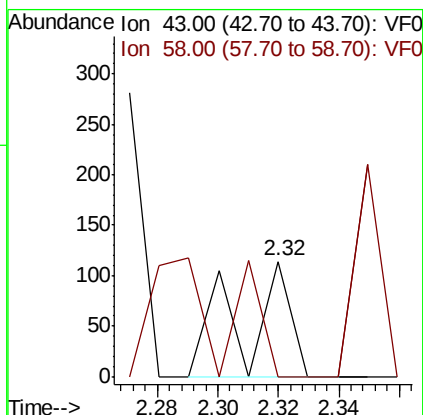
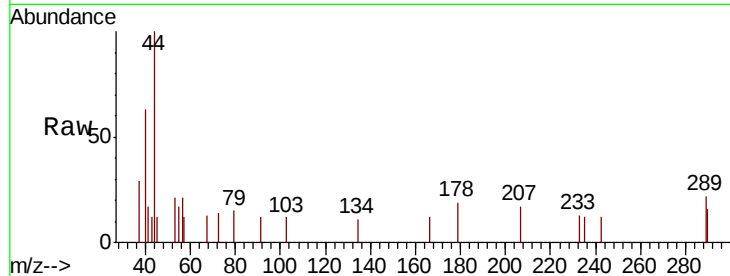




#16
Acetone
Concen: 73.276 ug/l
RT: 2.32 min Scan# 171
Delta R.T. -0.00 min
Lab File: VF060450.D
Acq: 4 Oct 2018 21:50

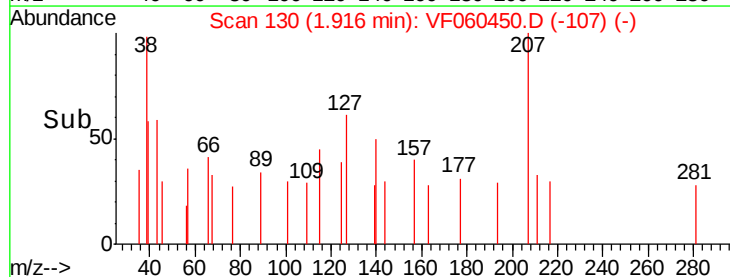
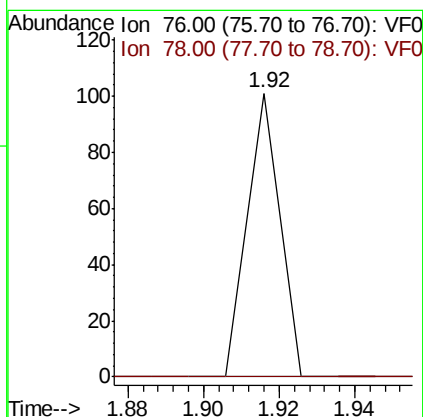
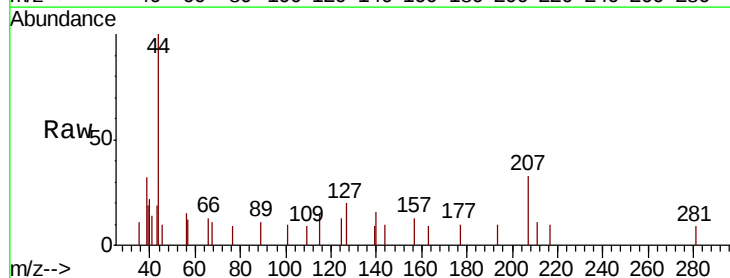
Instrument :
MSVOA_F
ClientSampleId :
OK-01-100318

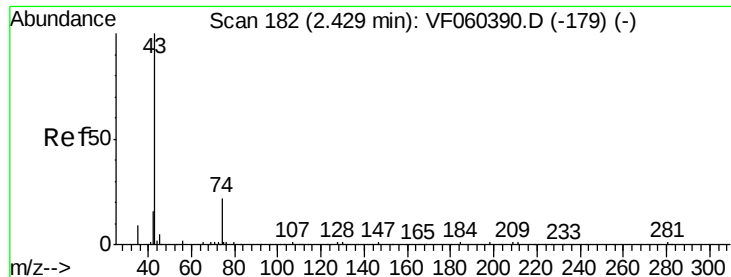
Tot Ion: 43 Resp: 130
Ion Ratio Lower Upper
43 100
58 0.0 11.2 16.8#



#17
Carbon Disulfide
Concen: 3.646 ug/l
RT: 1.92 min Scan# 130
Delta R.T. 0.03 min
Lab File: VF060450.D
Acq: 4 Oct 2018 21:50

Tgt Ion: 76 Resp: 60
Ion Ratio Lower Upper
76 100
78 0.0 10.1 15.1#

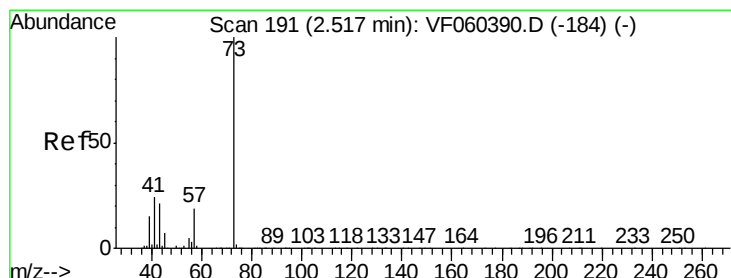
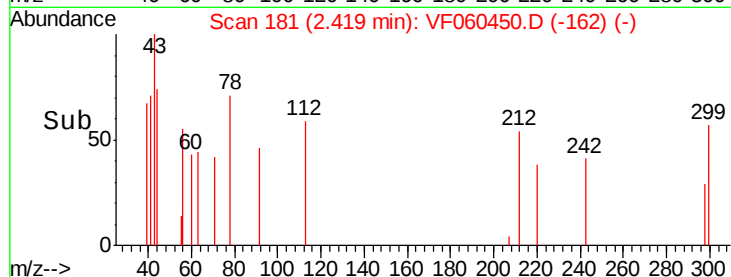
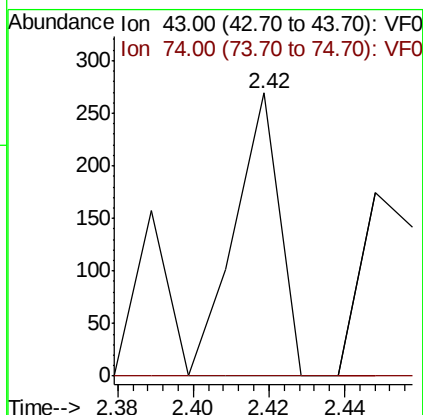
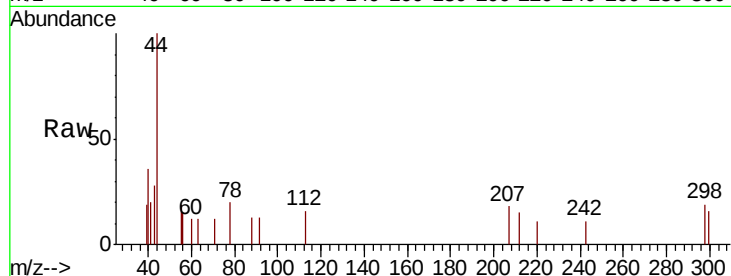




#18
Methyl Acetate
Concen: 84.344 ug/l
RT: 2.42 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF060450.D
Acq: 4 Oct 2018 21:50

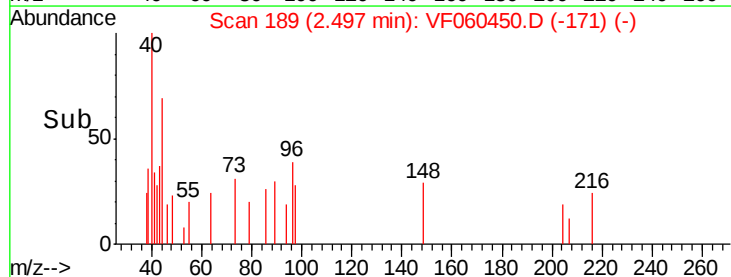
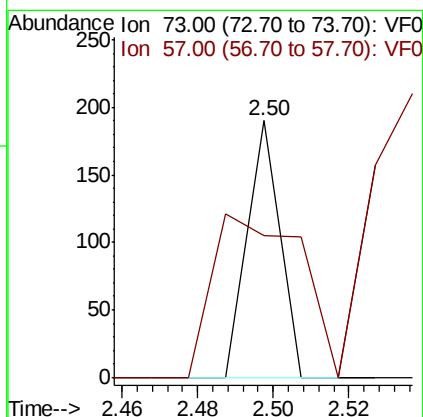
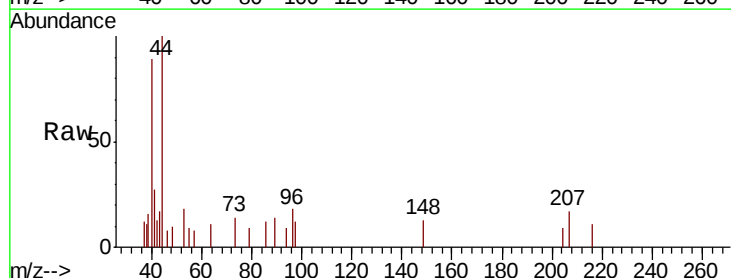
Instrument :
MSVOA_F
ClientSampleId :
OK-01-100318

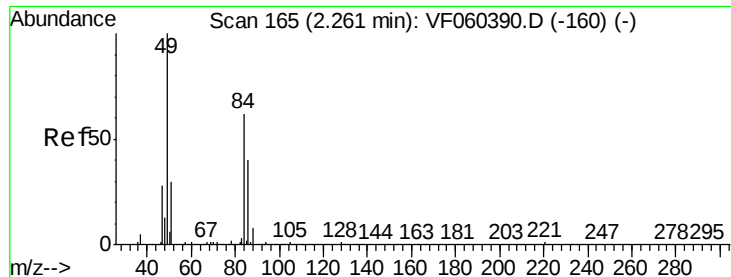
Tot Ion: 43 Resp: 219
Ion Ratio Lower Upper
43 100
74 0.0 15.8 23.8#



#19
Methyl tert-butyl Ether
Concen: 8.462 ug/l
RT: 2.50 min Scan# 189
Delta R.T. -0.02 min
Lab File: VF060450.D
Acq: 4 Oct 2018 21:50

Tgt Ion: 73 Resp: 112
Ion Ratio Lower Upper
73 100
57 55.3 15.9 23.9#

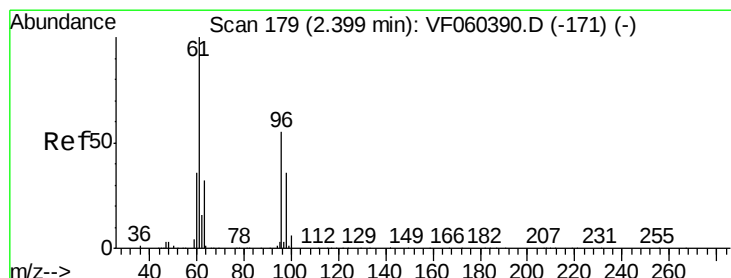
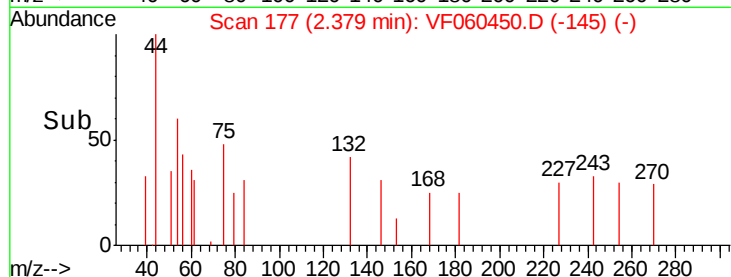
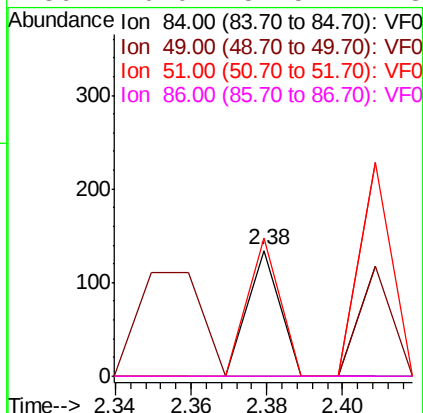
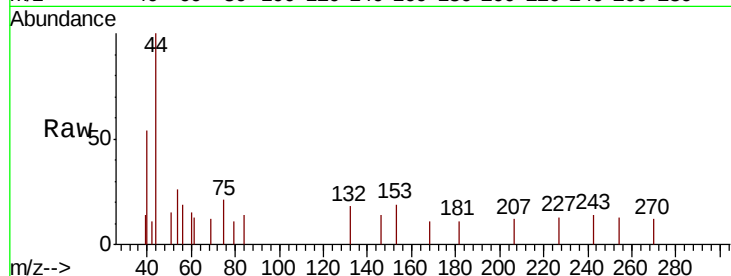




#20
Methvlene Chloride
Concen: 11.109 ug/l
RT: 2.38 min Scan# 177
Delta R.T. 0.12 min
Lab File: VF060450.D
Acq: 4 Oct 2018 21:50

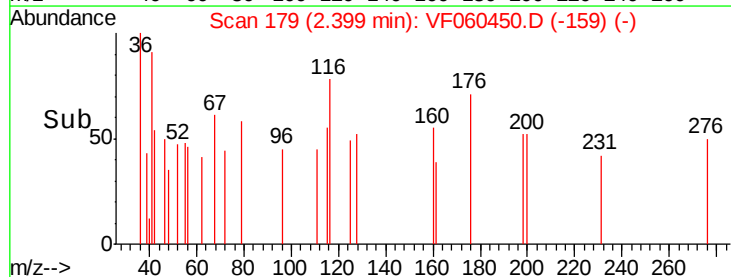
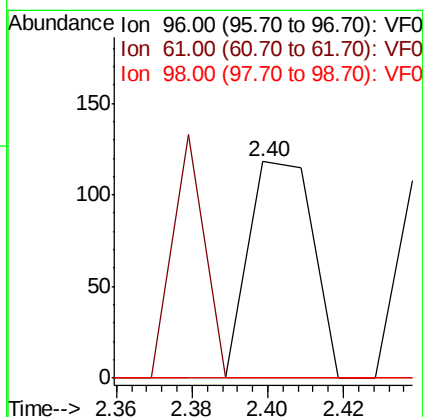
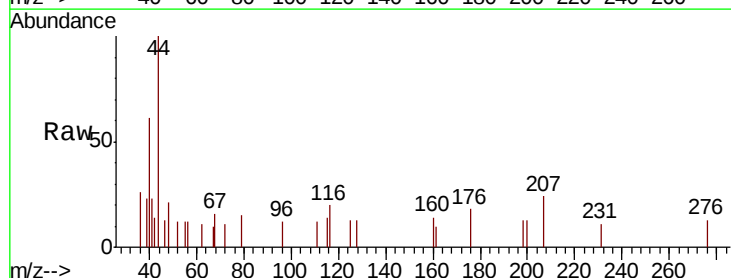
Instrument :
MSVOA_F
ClientSampleId :
OK-01-100318

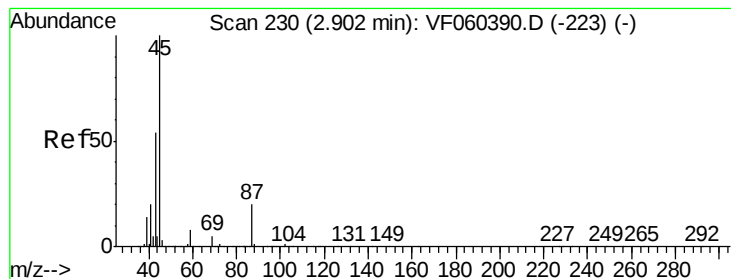
Tot Ion: 84 Resp: 79
Ion Ratio Lower Upper
84 100
49 0.0 130.2 195.2#
51 110.4 41.0 61.6#
86 0.0 51.5 77.3#



#21
trans-1,2-Dichloroethene
Concen: 25.427 ug/l
RT: 2.40 min Scan# 179
Delta R.T. -0.00 min
Lab File: VF060450.D
Acq: 4 Oct 2018 21:50

Tgt Ion: 96 Resp: 138
Ion Ratio Lower Upper
96 100
61 0.0 146.2 219.2#
98 0.0 52.6 78.8#





#22

Diisopropyl ether

Concen: 16.008 ug/l

RT: 2.91 min Scan# 231

Delta R.T. 0.01 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

Instrument :

MSVOA_F

ClientSampleId :

OK-01-100318

Tot Ion: 45 Resp: 253

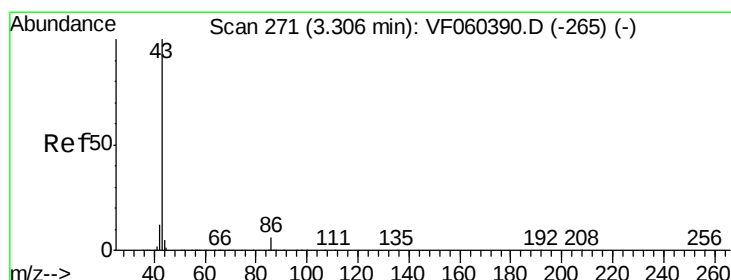
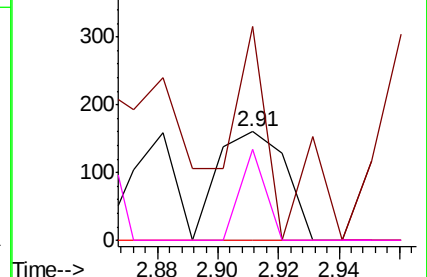
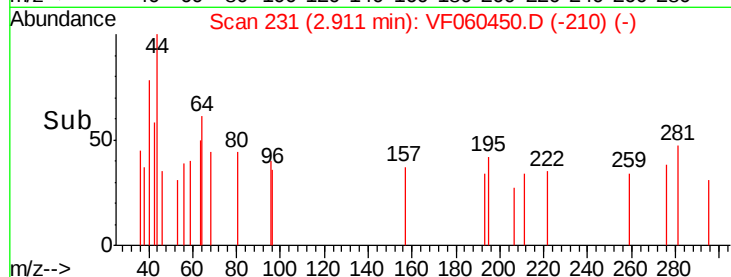
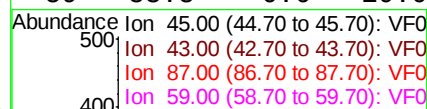
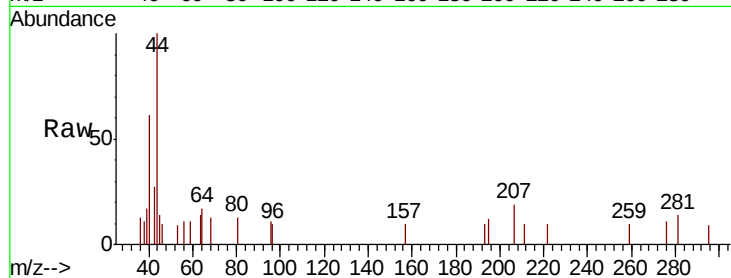
Ion Ratio Lower Upper

45 100

43 196.9 43.8 65.8#

87 0.0 16.3 24.5#

59 83.8 6.6 10.0#



#23

Vinyl Acetate

Concen: 77.728 ug/l

RT: 3.34 min Scan# 274

Delta R.T. 0.03 min

Lab File: VF060450.D

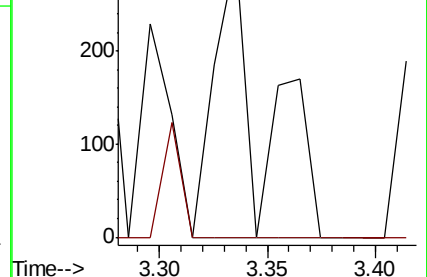
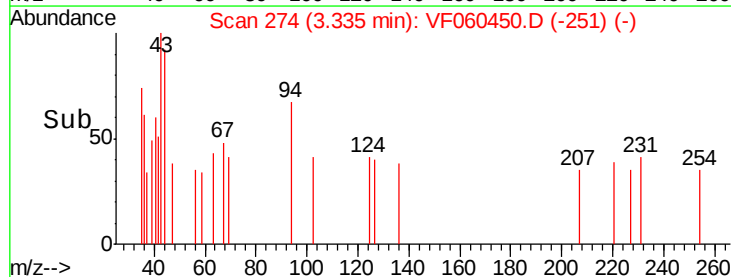
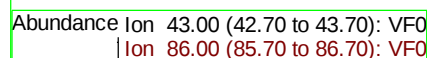
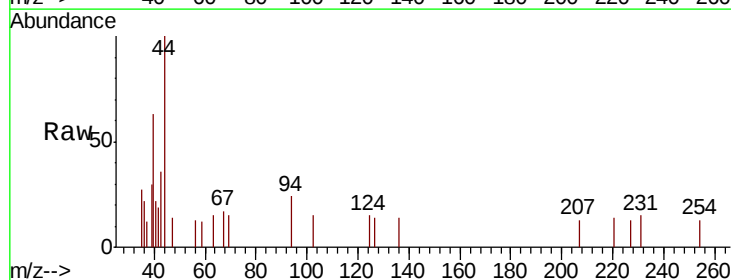
Acq: 4 Oct 2018 21:50

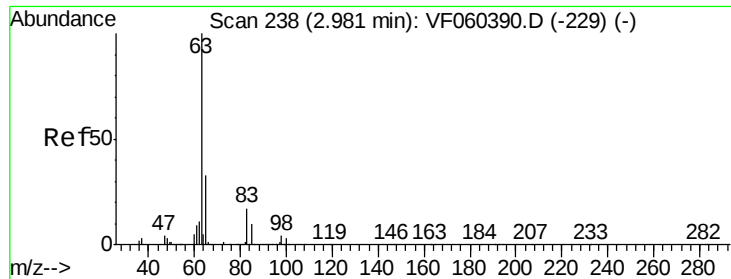
Tgt Ion: 43 Resp: 488

Ion Ratio Lower Upper

43 100

86 0.0 5.1 7.7#





#24

1,1-Dichloroethane

Concen: 16.186 ug/l

RT: 2.99 min Scan# 239

Delta R.T. 0.01 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

Instrument :

MSVOA_F

ClientSampleId :

OK-01-100318

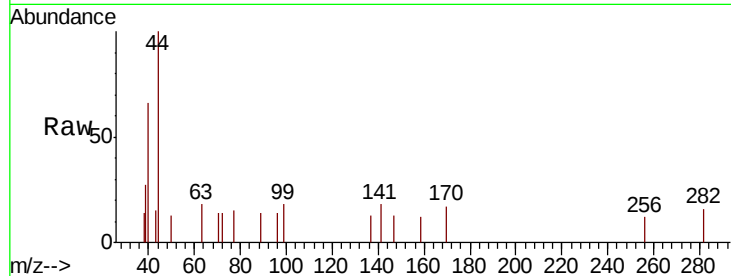
Tot Ion: 63 Resp: 173

Ion Ratio Lower Upper

63 100

98 0.0 2.0 5.8#

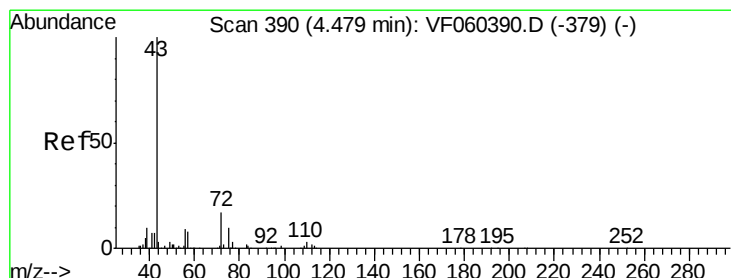
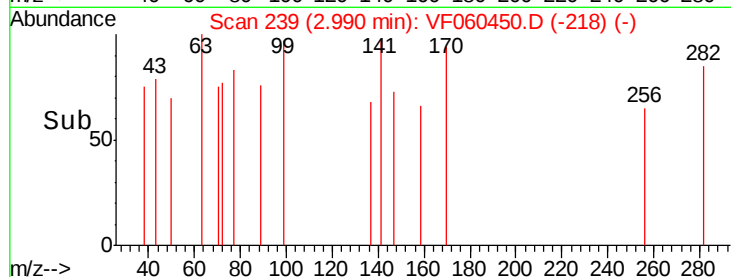
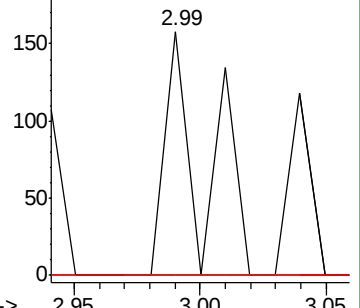
100 0.0 1.4 4.2#



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: 53.990 ug/l

RT: 4.46 min Scan# 388

Delta R.T. -0.02 min

Lab File: VF060450.D

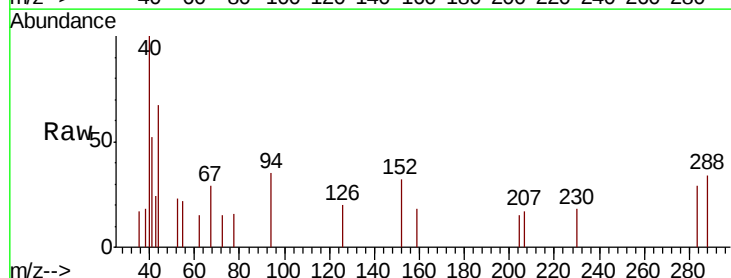
Acq: 4 Oct 2018 21:50

Tgt Ion: 43 Resp: 98

Ion Ratio Lower Upper

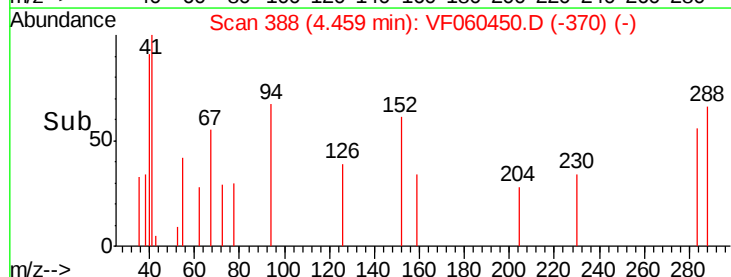
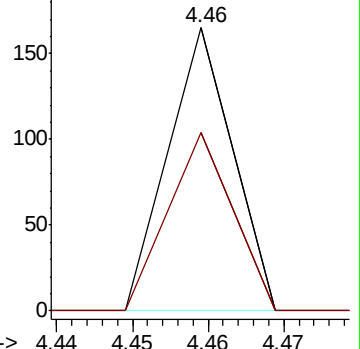
43 100

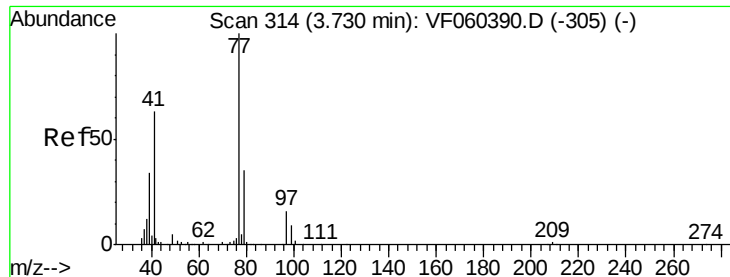
72 63.0 14.1 21.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#26

2,2-Dichloropropane

Concen: 11.894 ug/l

RT: 3.70 min Scan# 311

Delta R.T. -0.03 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

Instrument :

MSVOA_F

ClientSampleId :

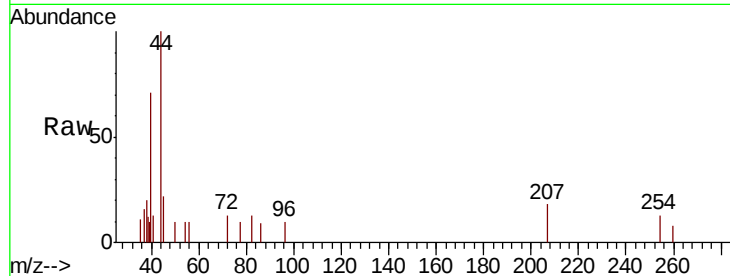
OK-01-100318

Tot Ion: 77 Resp: 72

Ion Ratio Lower Upper

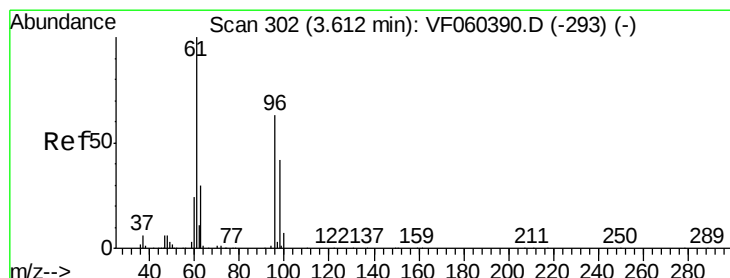
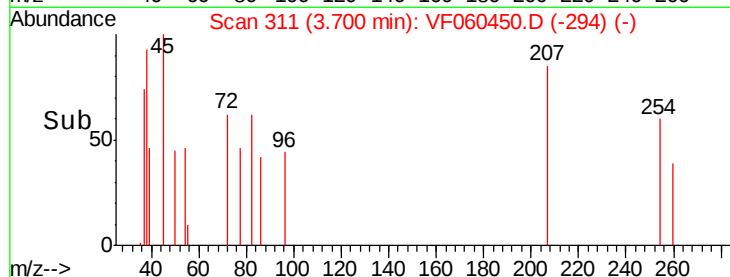
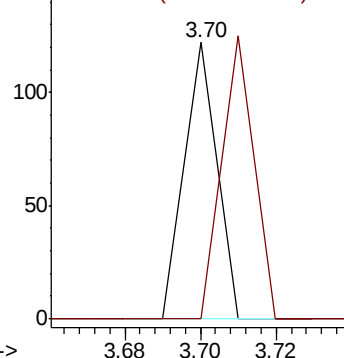
77 100

97 0.0 8.3 25.1#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



#27

cis-1,2-Dichloroethene

Concen: 11.536 ug/l

RT: 3.70 min Scan# 311

Delta R.T. 0.09 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

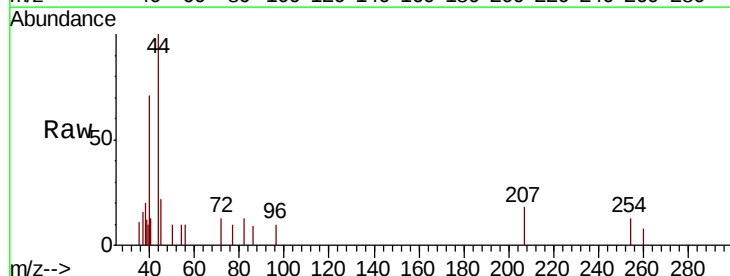
Tgt Ion: 96 Resp: 70

Ion Ratio Lower Upper

96 100

61 0.0 0.0 318.2

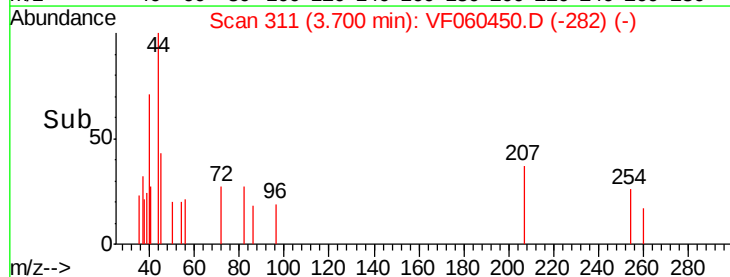
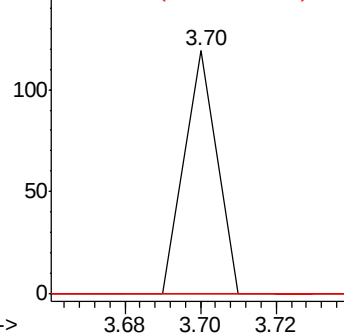
98 0.0 0.0 134.0

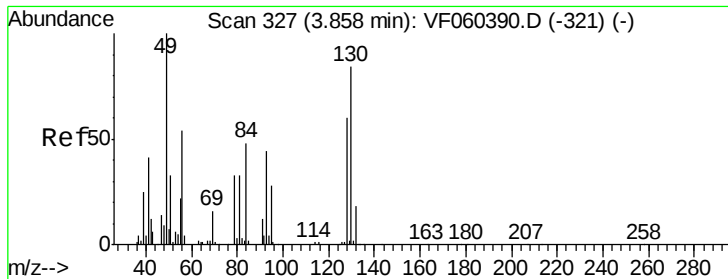


Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#28

Bromochloromethane

Concen: 16.247 ug/l

RT: 3.87 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

Instrument :

MSVOA_F

ClientSampleId :

OK-01-100318

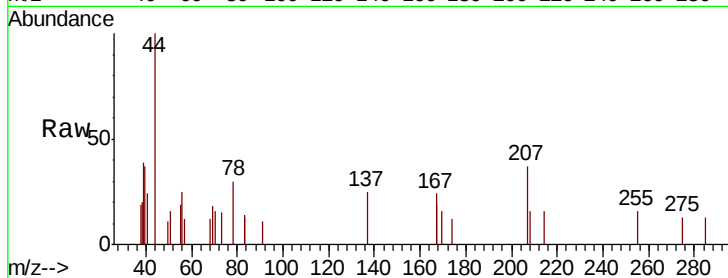
Tot Ion: 49 Resp: 64

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

130 0.0 67.3 100.9#

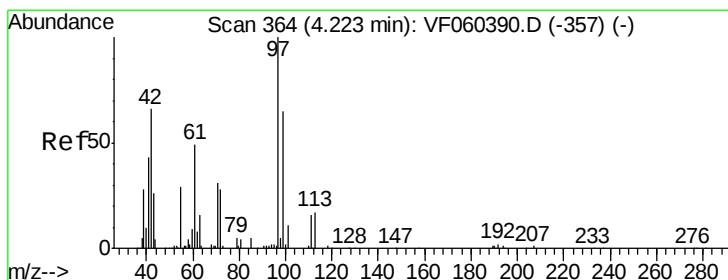
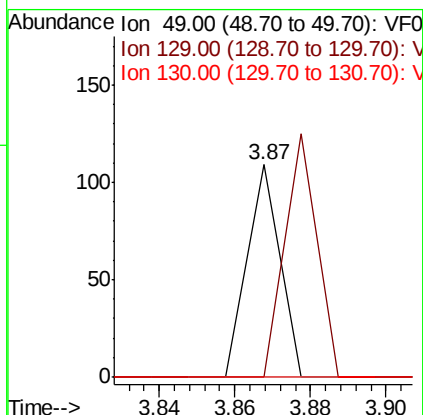
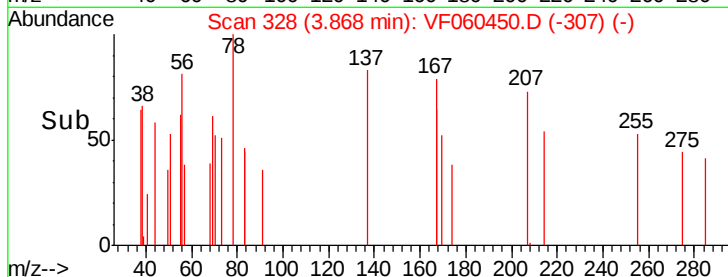


Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V

Time-->



#29

Tetrahydrofuran

Concen: 320.104 ug/l

RT: 4.57 min Scan# 399

Delta R.T. 0.35 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

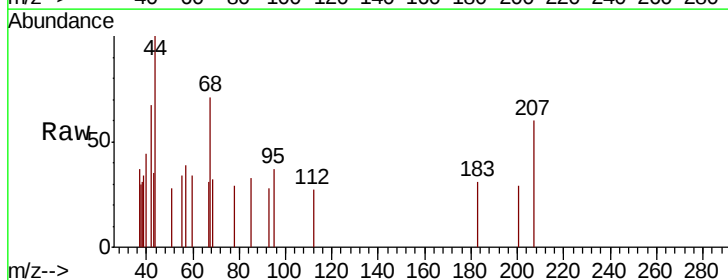
Tgt Ion: 42 Resp: 218

Ion Ratio Lower Upper

42 100

72 39.4 33.6 50.4

71 39.9 32.7 49.1

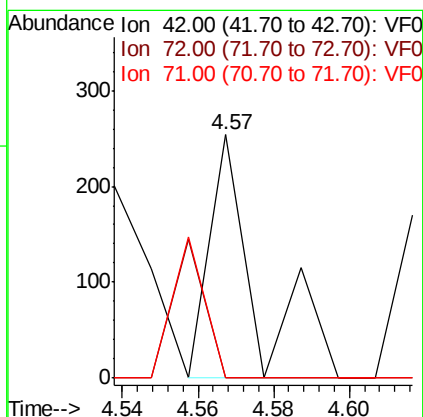
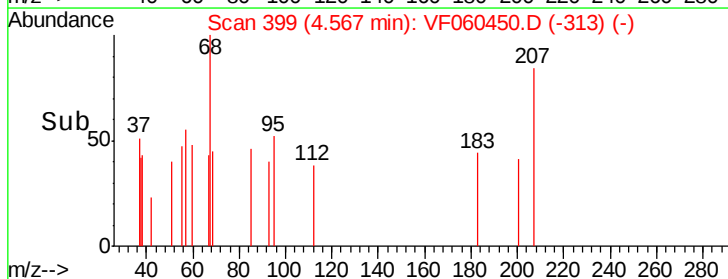


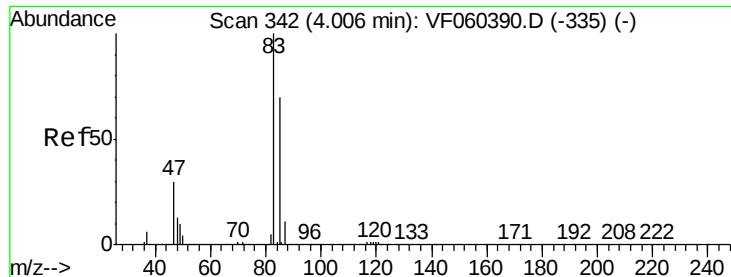
Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

Time-->

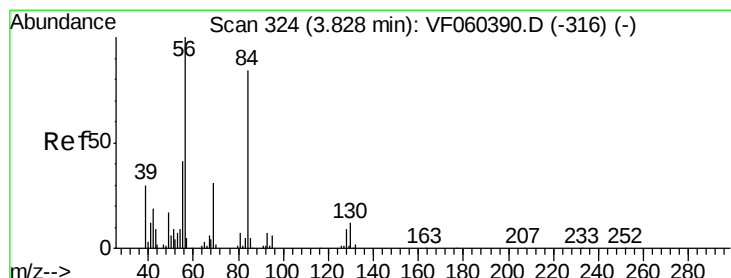
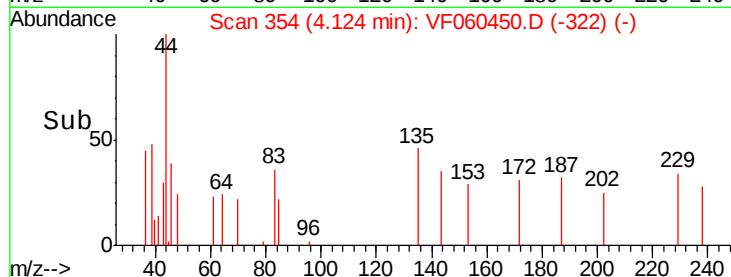
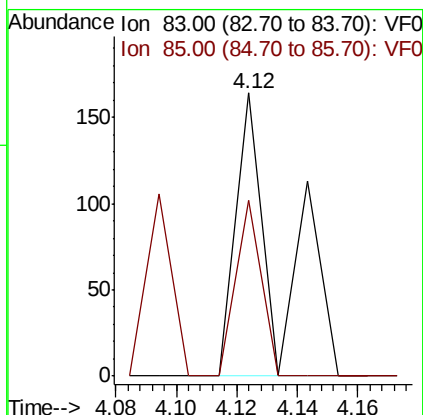
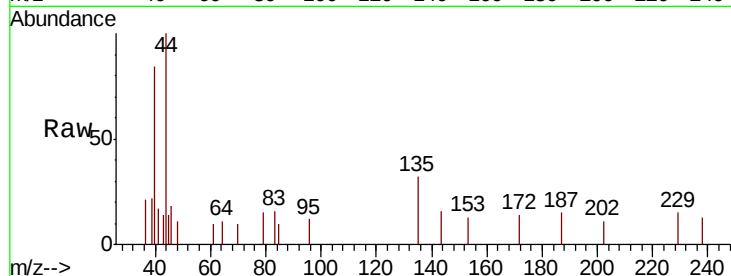




#30
Chloroform
Concen: 12.435 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.12 min
Lab File: VF060450.D
Acq: 4 Oct 2018 21:50

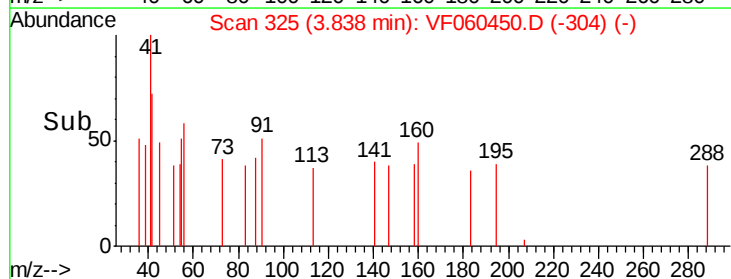
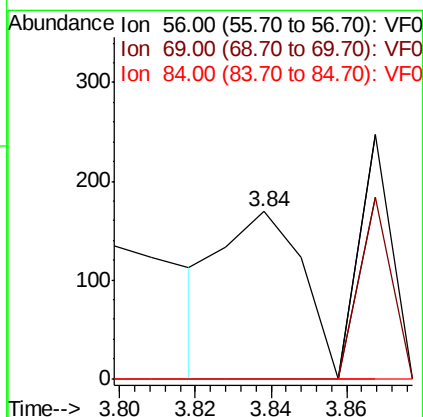
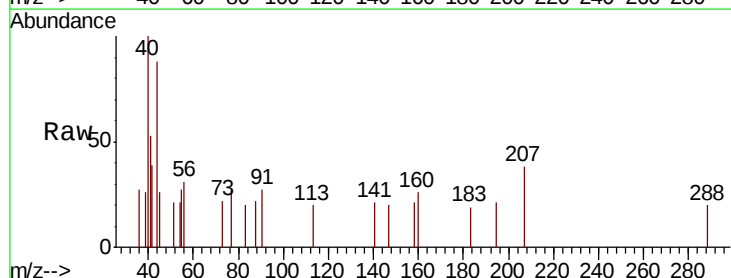
Instrument :
MSVOA_F
ClientSampleId :
OK-01-100318

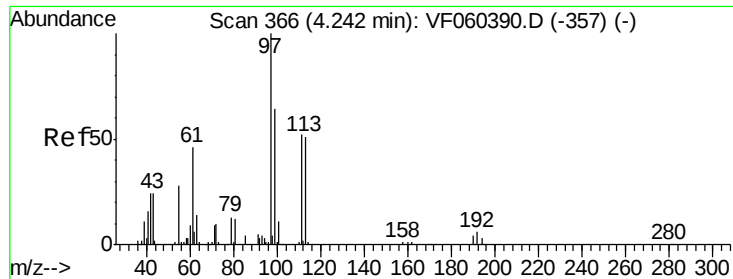
Tot Ion: 83 Resp: 164
Ion Ratio Lower Upper
83 100
85 62.2 55.9 83.9



#31
Cyclohexane
Concen: 32.705 ug/l
RT: 3.84 min Scan# 325
Delta R.T. 0.01 min
Lab File: VF060450.D
Acq: 4 Oct 2018 21:50

Tgt Ion: 56 Resp: 251
Ion Ratio Lower Upper
56 100
69 0.0 25.5 38.3#
84 0.0 67.4 101.0#





#32

1,1,1-Trichloroethane

Concen: 6.378 ug/l

RT: 4.24 min Scan# 366

Delta R.T. -0.00 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

Instrument :

MSVOA_F

ClientSampleId :

OK-01-100318

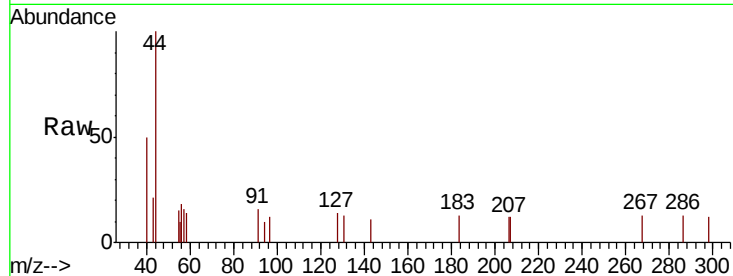
Tot Ion: 97 Resp: 70

Ion Ratio Lower Upper

97 100

99 0.0 51.0 76.4#

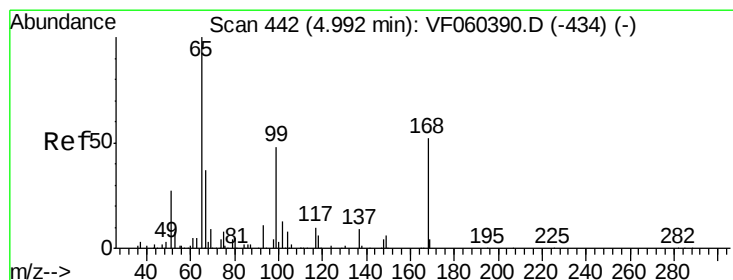
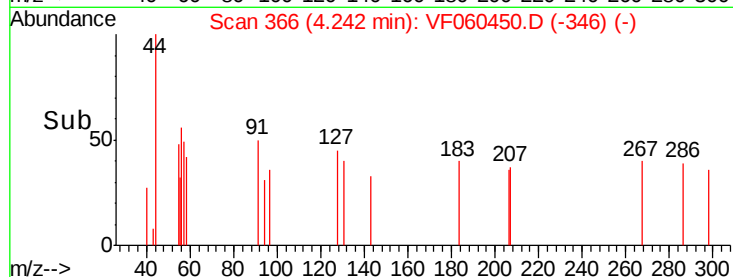
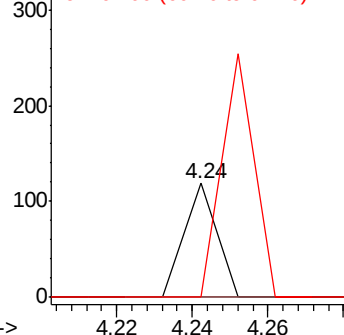
61 0.0 37.5 56.3#



Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 9.415 ug/l

RT: 5.03 min Scan# 446

Delta R.T. 0.04 min

Lab File: VF060450.D

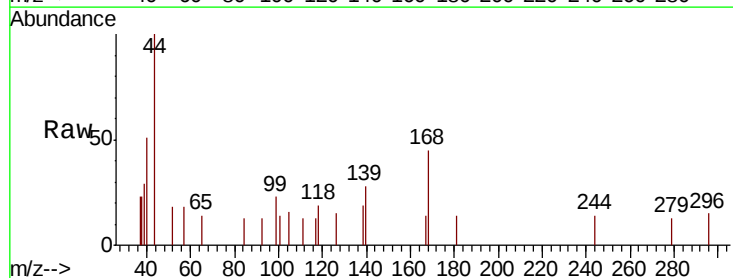
Acq: 4 Oct 2018 21:50

Tgt Ion: 65 Resp: 66

Ion Ratio Lower Upper

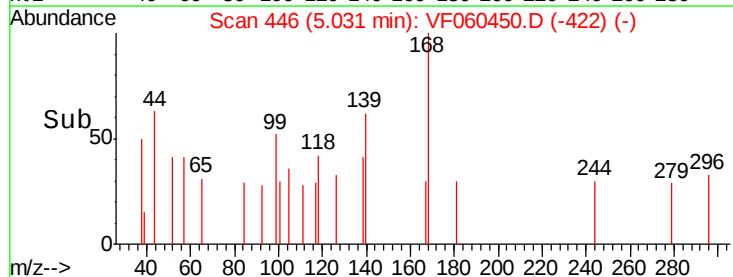
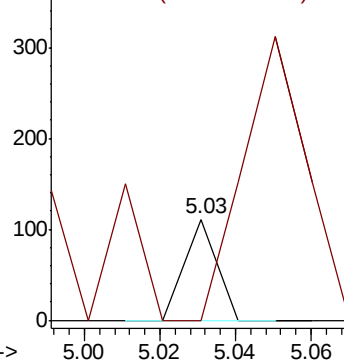
65 100

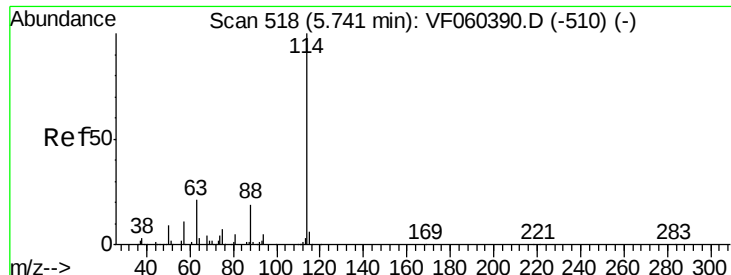
67 0.0 0.0 89.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.74 min Scan# 518

Delta R.T. -0.00 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

Instrument :

MSVOA_F

ClientSampleId :

OK-01-100318

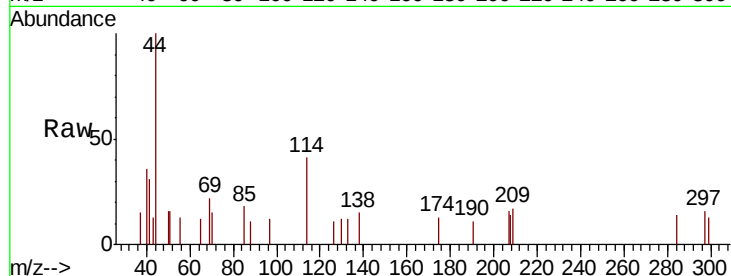
Tot Ion:114 Resp: 574

Ion Ratio Lower Upper

114 100

63 0.0 0.0 42.2

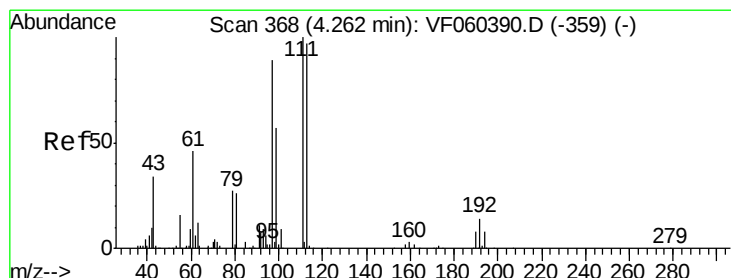
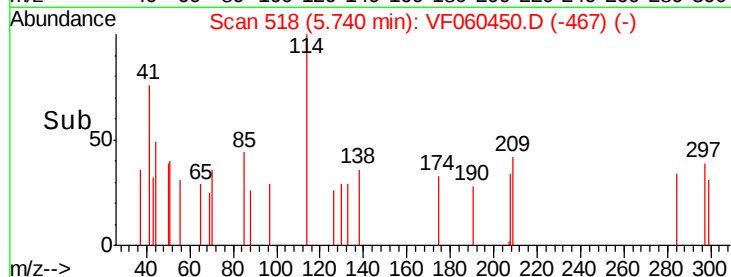
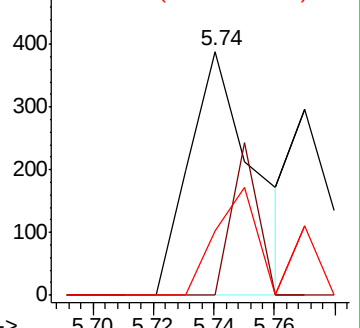
88 26.3 0.0 38.8



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: 11.683 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.02 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

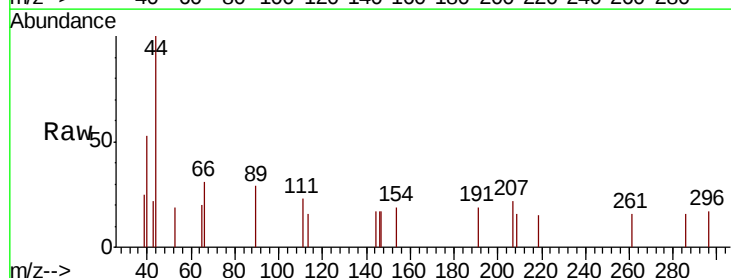
Tgt Ion:113 Resp: 63

Ion Ratio Lower Upper

113 100

111 143.9 82.3 123.5#

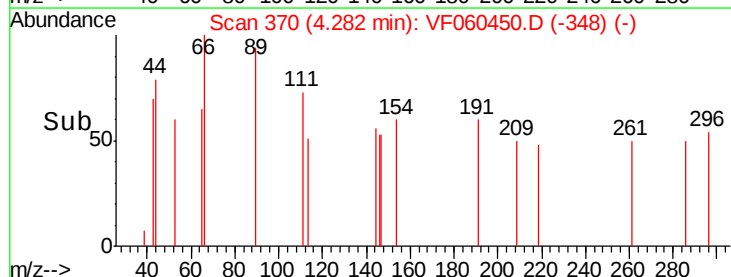
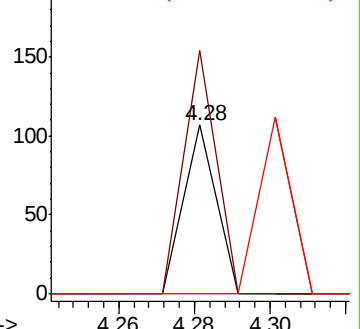
192 0.0 11.8 17.6#

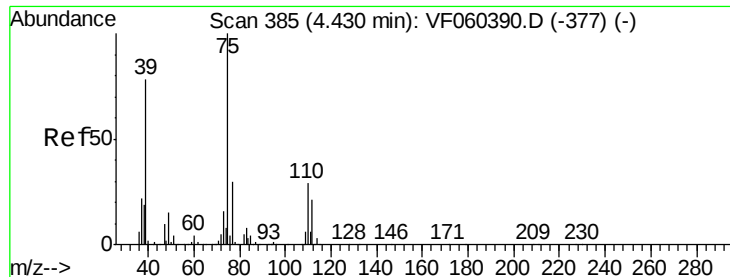


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#36

1,1-Dichloropropene

Concen: 8.761 ug/l

RT: 4.45 min Scan# 387

Delta R.T. 0.02 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

Instrument :

MSVOA_F

ClientSampleId :

OK-01-100318

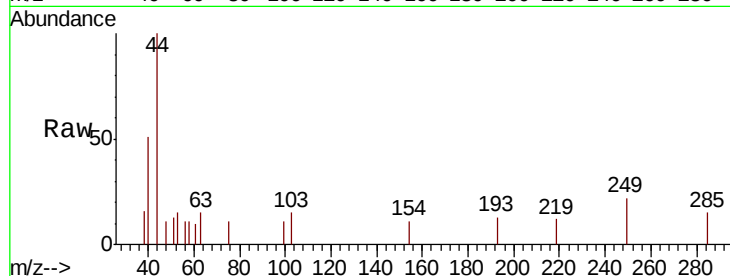
Tot Ion: 75 Resp: 62

Ion Ratio Lower Upper

75 100

110 0.0 14.5 43.6#

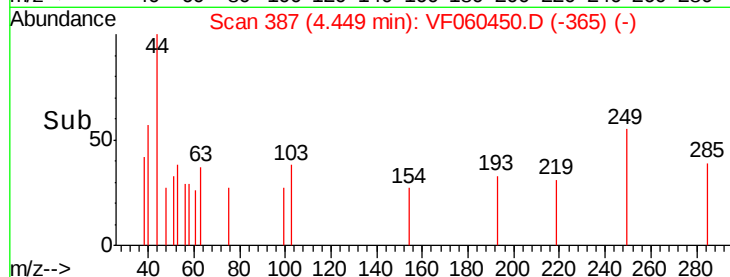
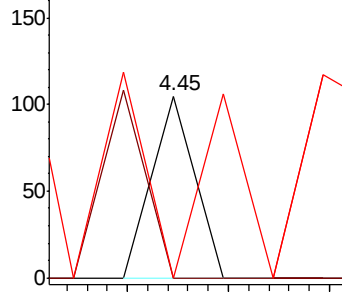
77 0.0 24.3 36.5#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#37

Ethyl Acetate

Concen: 283.758 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.01 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

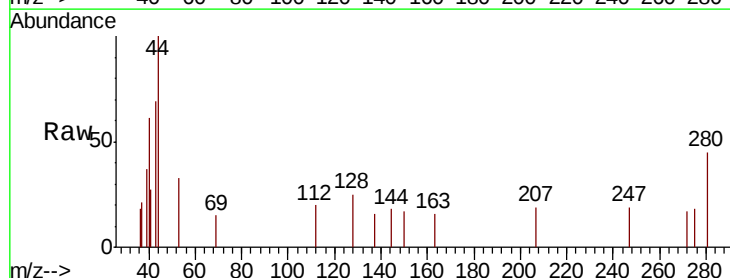
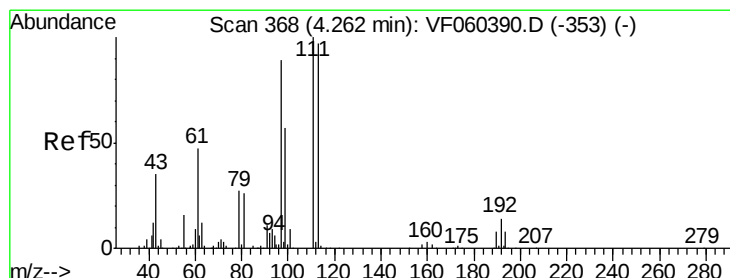
Tgt Ion: 43 Resp: 769

Ion Ratio Lower Upper

43 100

61 0.0 105.1 157.7#

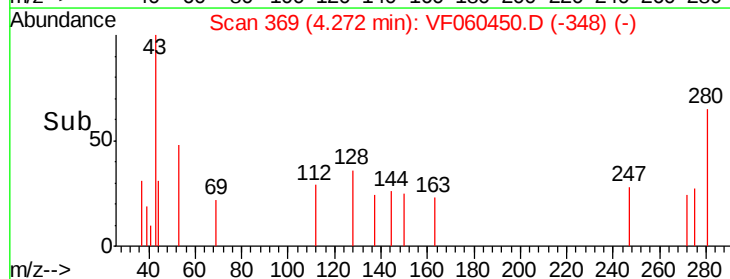
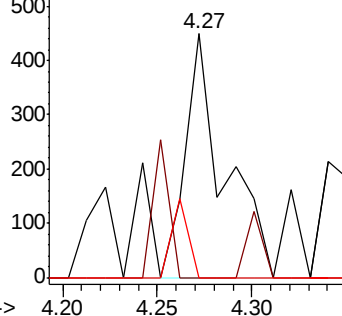
70 0.0 8.0 12.0#

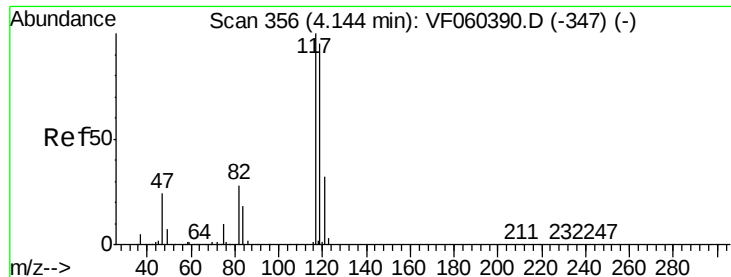


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0





#38

Carbon Tetrachloride

Concen: 6.849 ug/l

RT: 4.16 min Scan# 358

Delta R.T. 0.02 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

Instrument :

MSVOA_F

ClientSampleId :

OK-01-100318

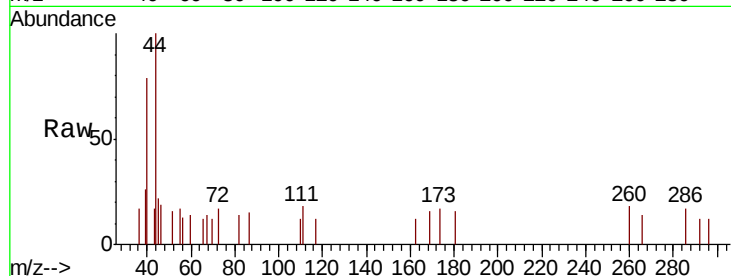
Tot Ion:117 Resp: 59

Ion Ratio Lower Upper

117 100

119 0.0 75.5 113.3#

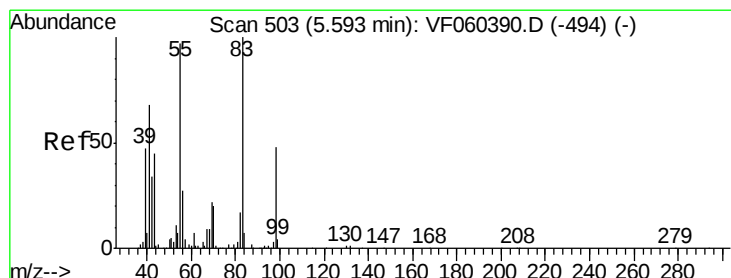
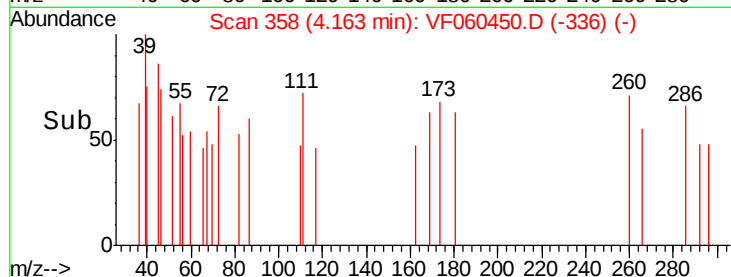
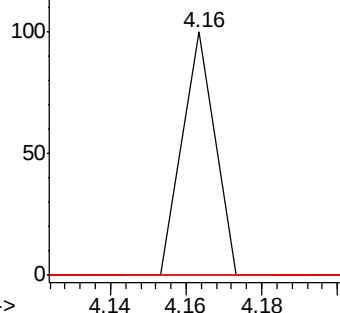
121 0.0 25.4 38.0#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#39

Methylcyclohexane

Concen: 14.990 ug/l

RT: 5.53 min Scan# 497

Delta R.T. -0.06 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

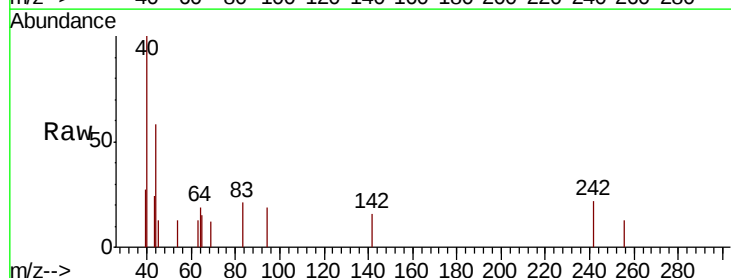
Tgt Ion: 83 Resp: 104

Ion Ratio Lower Upper

83 100

55 0.0 77.5 116.3#

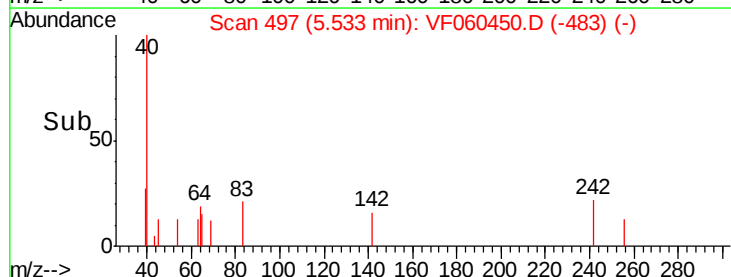
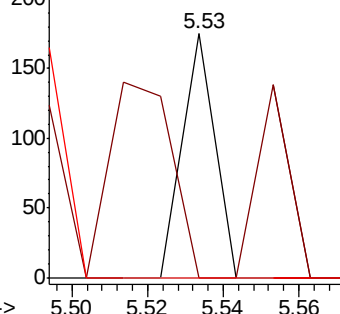
98 0.0 38.7 58.1#

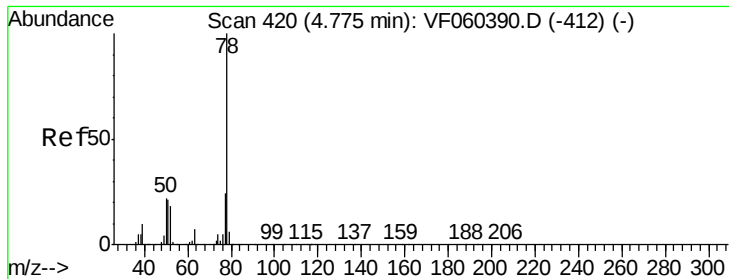


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#40

Benzene

Concen: 4.484 ug/l

RT: 4.73 min Scan# 415

Delta R.T. -0.05 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

Instrument :

MSVOA_F

ClientSampleId :

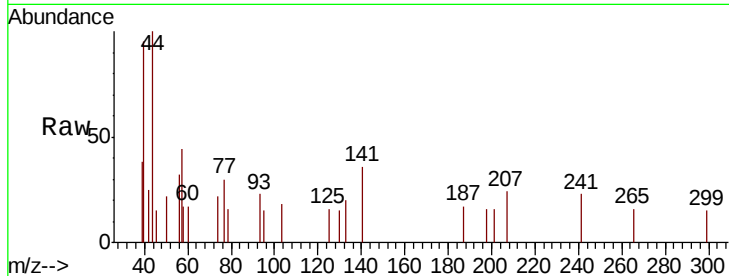
OK-01-100318

Tot Ion: 78 Resp: 63

Ion Ratio Lower Upper

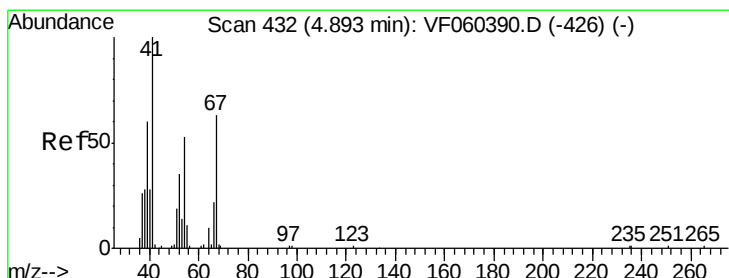
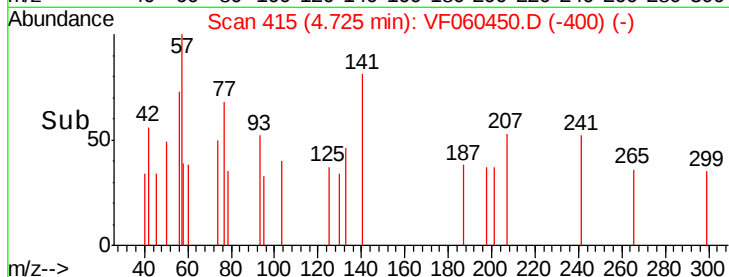
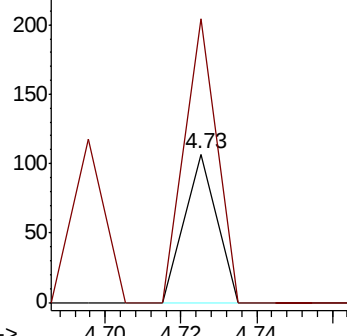
78 100

77 190.7 19.2 28.8#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0



#41

Methacrylonitrile

Concen: 423.821 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.00 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

Tgt Ion: 41 Resp: 609

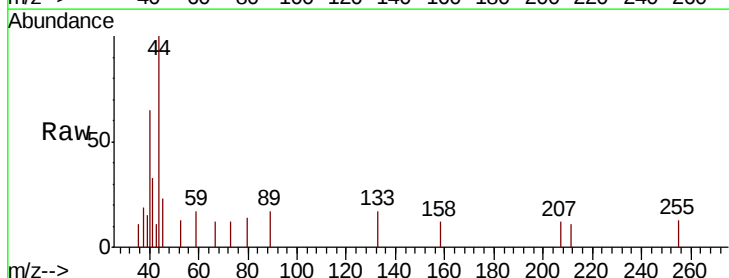
Ion Ratio Lower Upper

41 100

39 46.8 55.0 82.4#

67 35.7 49.6 74.4#

52 39.9 38.8 58.2

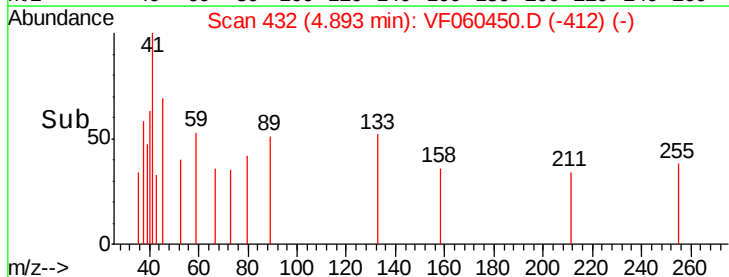
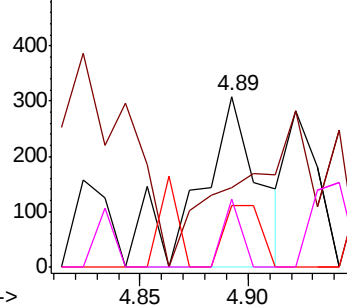


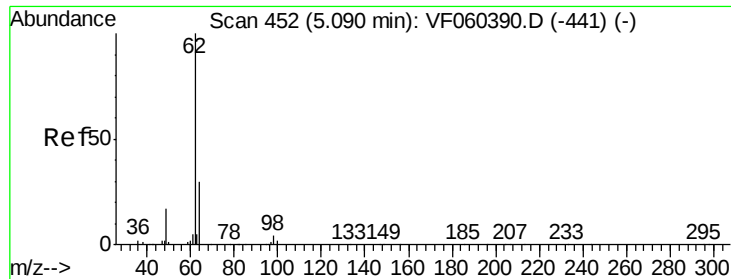
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#42

1,2-Dichloroethane

Concen: 12.533 ug/l

RT: 5.01 min Scan# 444

Delta R.T. -0.08 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

Instrument :

MSVOA_F

ClientSampleId :

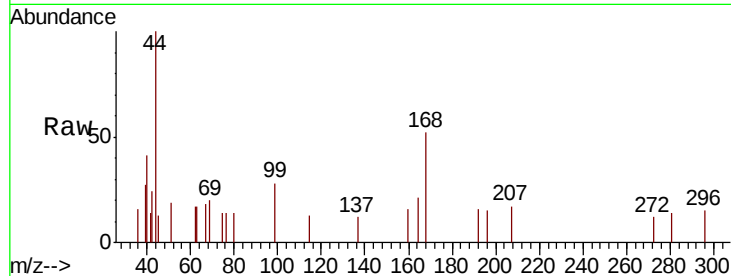
OK-01-100318

Tot Ion: 62 Resp: 84

Ion Ratio Lower Upper

62 100

98 0.0 0.0 11.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

5.01

150

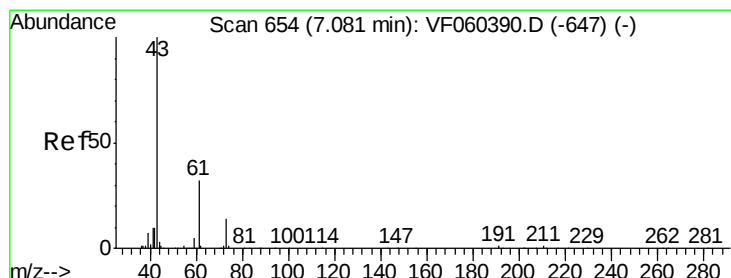
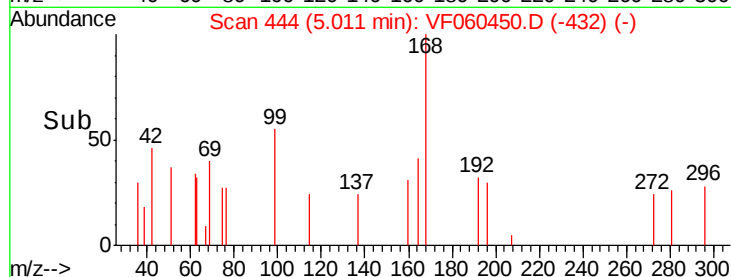
100

50

0

4.98 5.00 5.02 5.04

Time-->



#43

Isopropyl Acetate

Concen: 48.854 ug/l

RT: 7.10 min Scan# 656

Delta R.T. 0.02 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

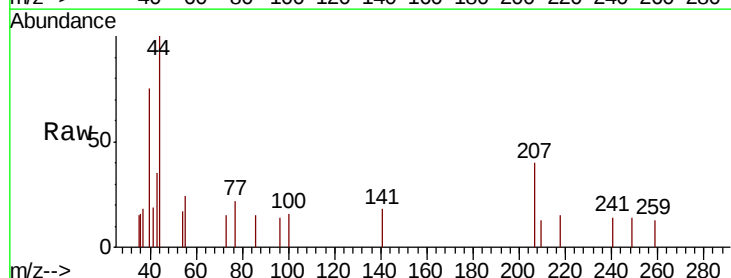
Tgt Ion: 43 Resp: 160

Ion Ratio Lower Upper

43 100

61 0.0 25.4 38.2#

87 0.0 0.3 0.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

7.10

300

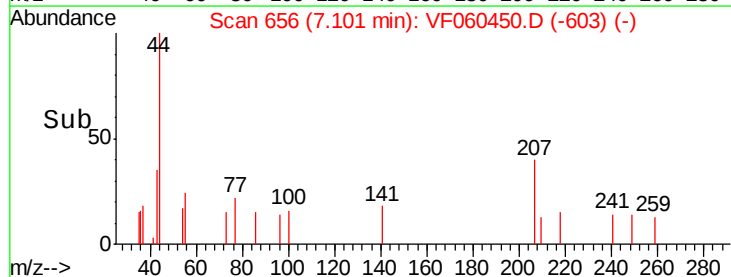
200

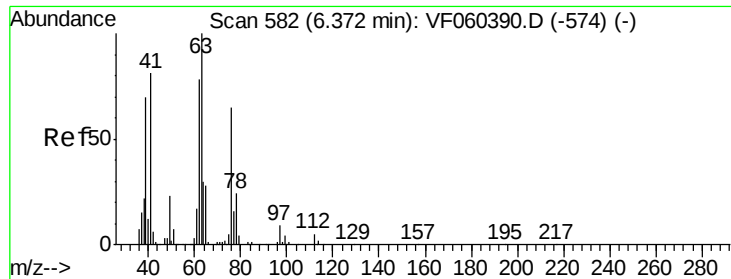
100

0

7.08 7.10 7.12

Time-->





#45

1,2-Dichloropropane

Concen: 22.451 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

Instrument :

MSVOA_F

ClientSampleId :

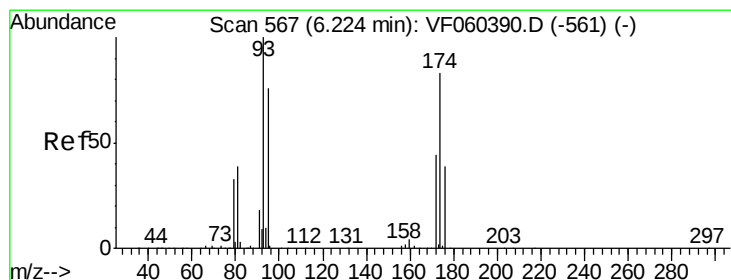
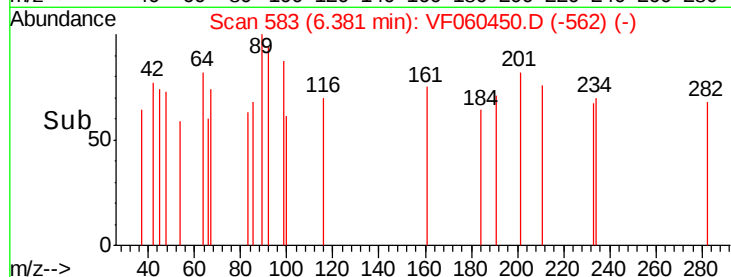
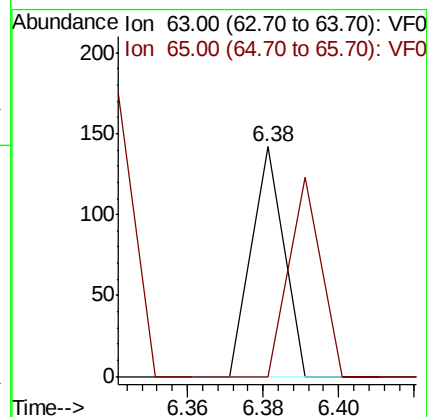
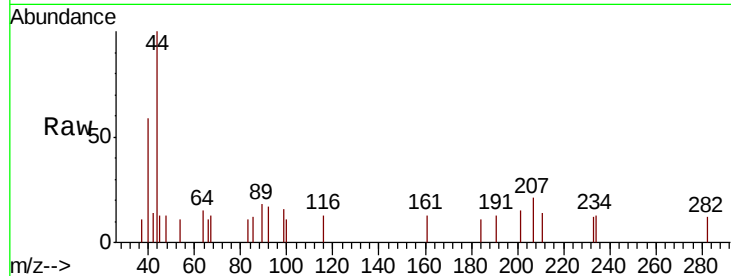
OK-01-100318

Tot Ion: 63 Resp: 84

Ion Ratio Lower Upper

63 100

65 0.0 22.7 34.1#



#46

Dibromomethane

Concen: 20.278 ug/l

RT: 6.30 min Scan# 575

Delta R.T. 0.08 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

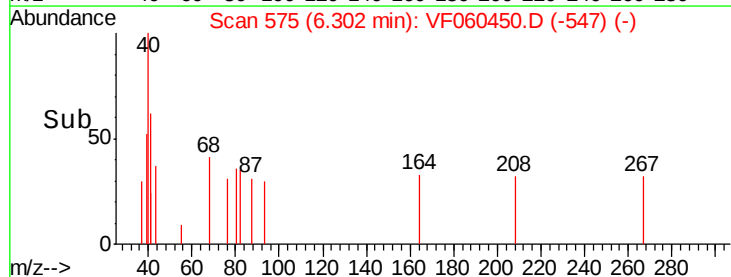
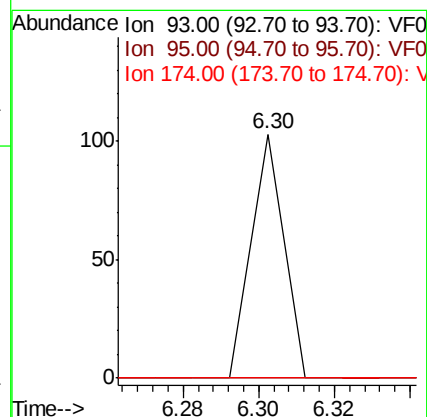
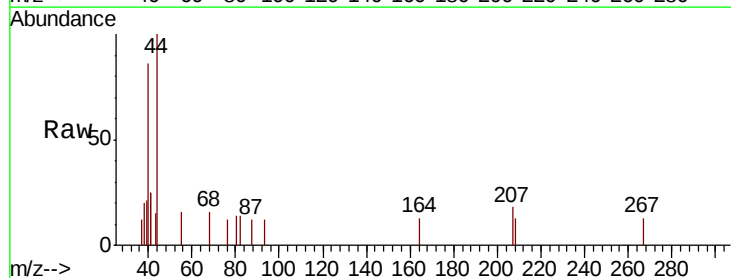
Tgt Ion: 93 Resp: 61

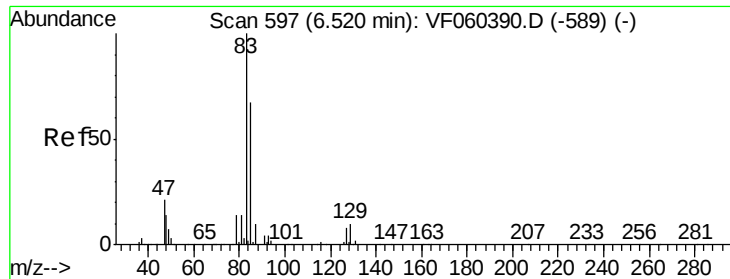
Ion Ratio Lower Upper

93 100

95 0.0 61.1 91.7#

174 0.0 66.7 100.1#





#47

Bromodichloromethane

Concen: 21.745 ug/l

RT: 6.46 min Scan# 591

Delta R.T. -0.06 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

Instrument :

MSVOA_F

ClientSampleId :

OK-01-100318

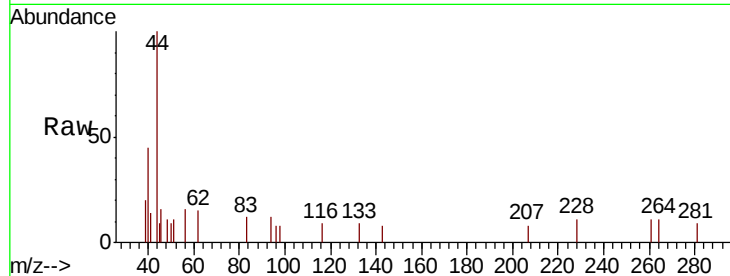
Tot Ion: 83 Resp: 162

Ion Ratio Lower Upper

83 100

85 0.0 53.2 79.8#

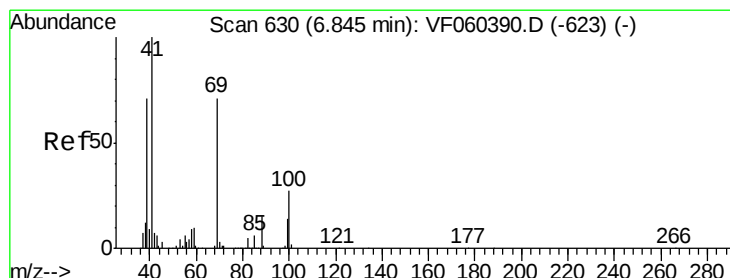
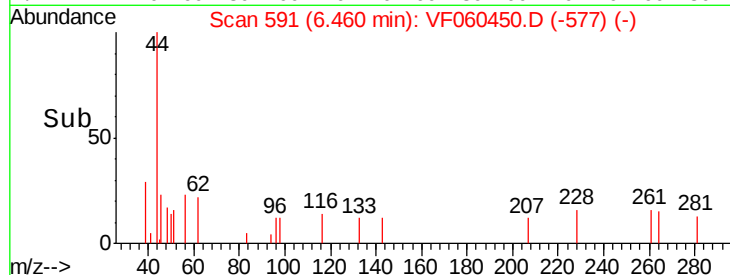
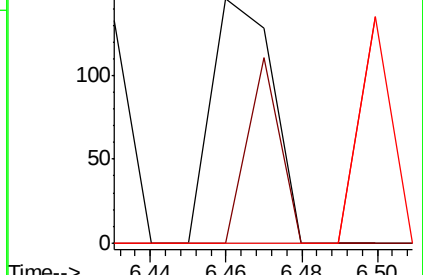
127 0.0 6.6 9.8#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 323.276 ug/l

RT: 6.86 min Scan# 632

Delta R.T. 0.02 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

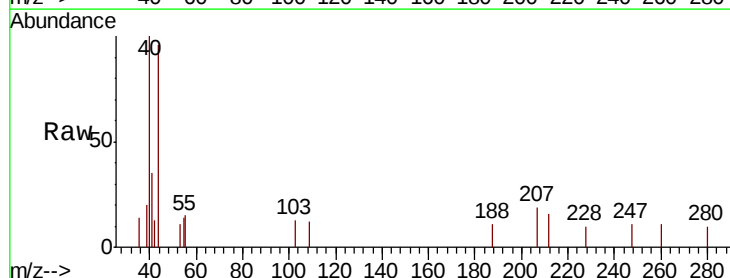
Tgt Ion: 41 Resp: 760

Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

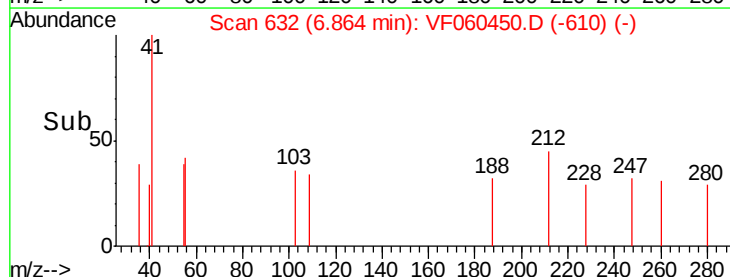
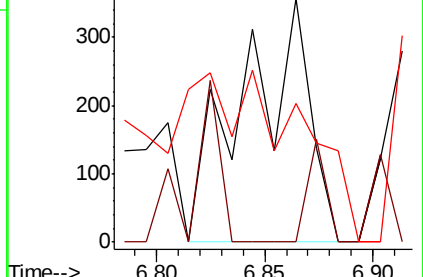
39 57.1 56.9 85.3

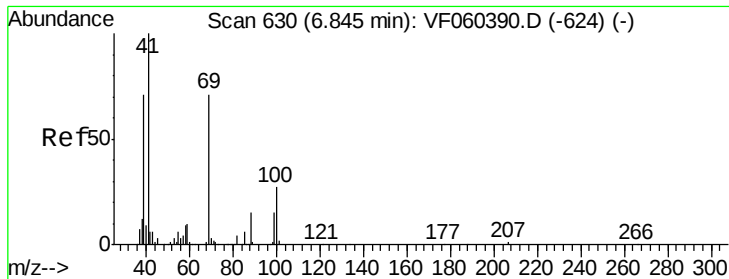


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

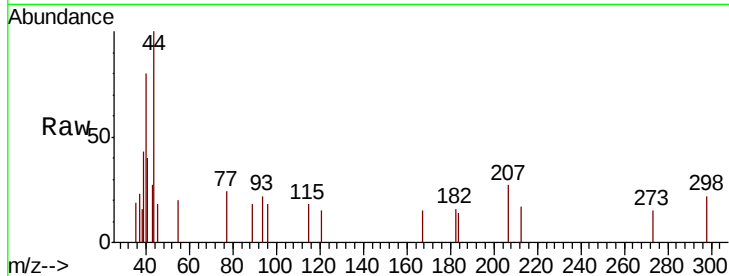




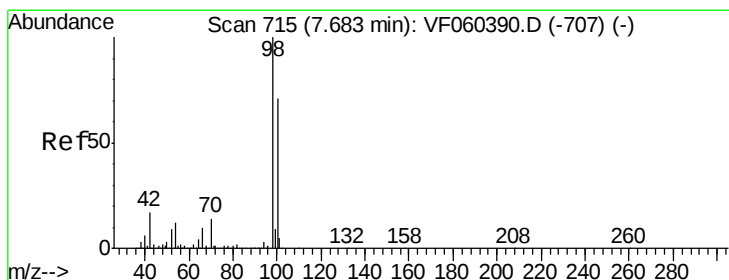
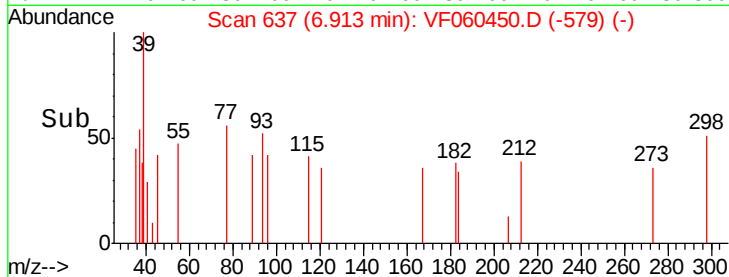
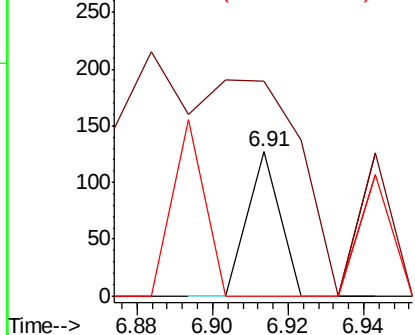
#49
1,4-Dioxane
Concen: 3700.009 ug/l
RT: 6.91 min Scan# 637
Delta R.T. 0.07 min
Lab File: VF060450.D
Acq: 4 Oct 2018 21:50

Instrument :
MSVOA_F
ClientSampleId :
OK-01-100318

Tot Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
43 148.8 38.3 57.5#
58 0.0 47.4 71.2#

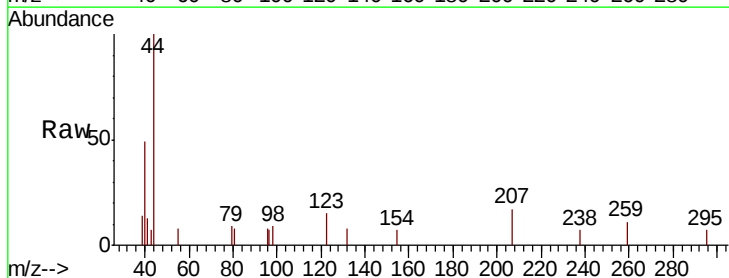


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

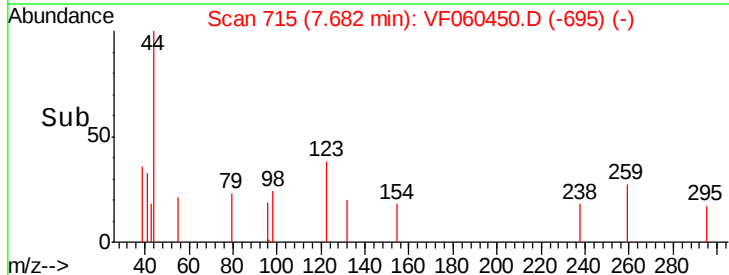
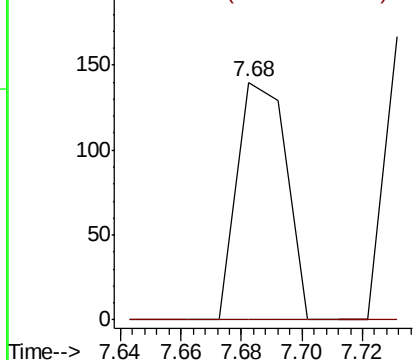


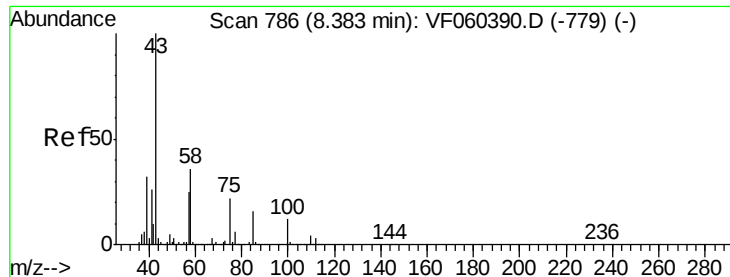
#50
Toluene-d8
Concen: 11.973 ug/l
RT: 7.68 min Scan# 715
Delta R.T. -0.00 min
Lab File: VF060450.D
Acq: 4 Oct 2018 21:50

Tgt Ion: 98 Resp: 159
Ion Ratio Lower Upper
98 100
100 0.0 56.5 84.7#



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0

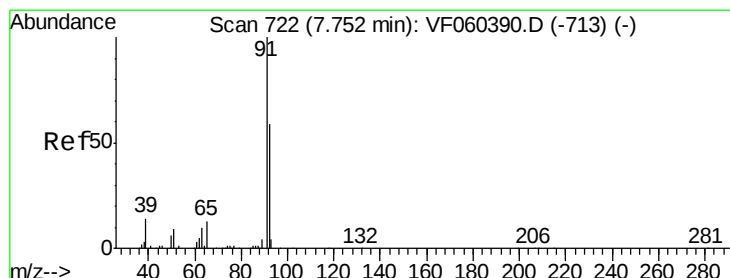
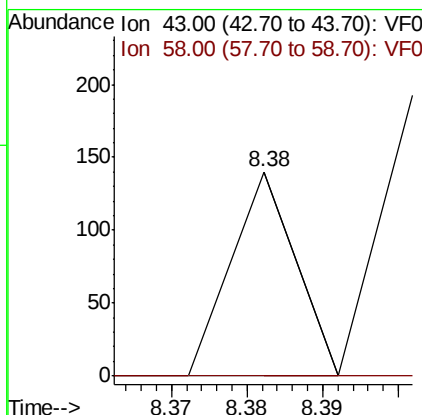
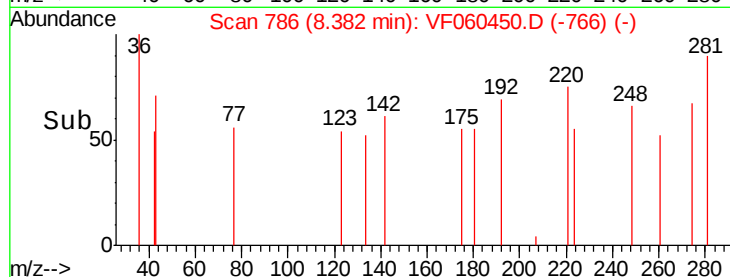
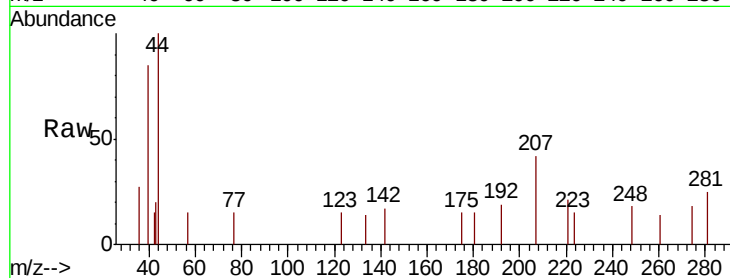




#51
4-Methyl-2-Pentanone
Concen: 35.602 ug/l
RT: 8.38 min Scan# 786
Delta R.T. -0.00 min
Lab File: VF060450.D
Acq: 4 Oct 2018 21:50

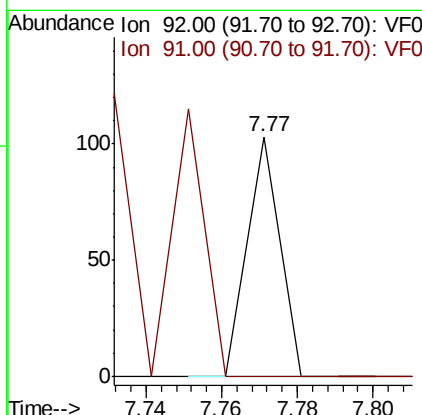
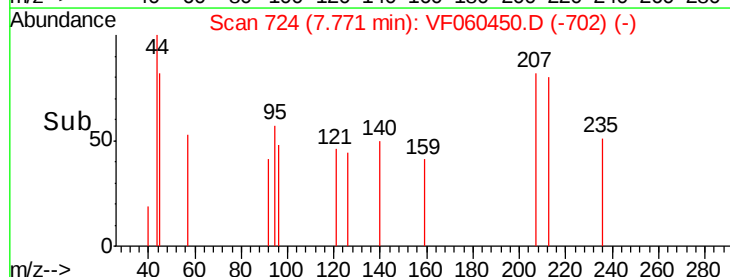
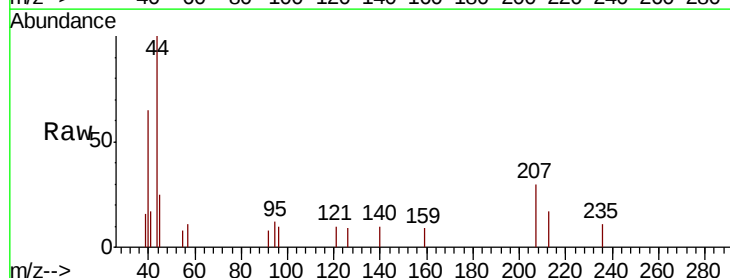
Instrument :
MSVOA_F
ClientSampleId :
OK-01-100318

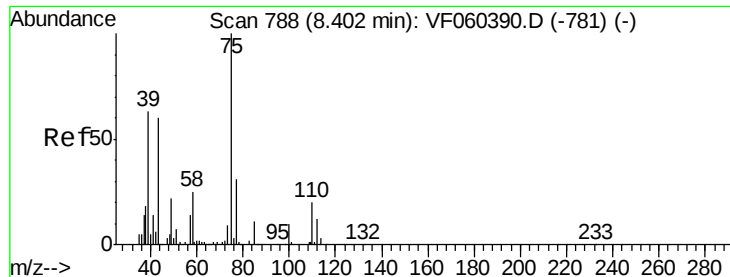
Tot Ion: 43 Resp: 83
Ion Ratio Lower Upper
43 100
58 0.0 28.5 42.7#



#52
Toluene
Concen: 6.392 ug/l
RT: 7.77 min Scan# 724
Delta R.T. 0.02 min
Lab File: VF060450.D
Acq: 4 Oct 2018 21:50

Tgt Ion: 92 Resp: 61
Ion Ratio Lower Upper
92 100
91 0.0 135.4 203.0#





#53

t-1,3-Dichloropropene

Concen: 13.531 ug/l

RT: 8.46 min Scan# 794

Delta R.T. 0.06 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

Instrument :

MSVOA_F

ClientSampleId :

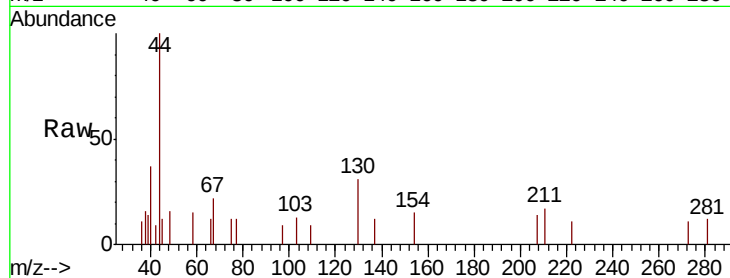
OK-01-100318

Tot Ion: 75 Resp: 79

Ion Ratio Lower Upper

75 100

77 101.5 24.6 36.8#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

200

150

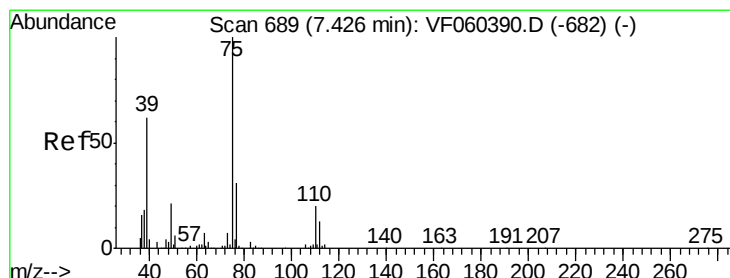
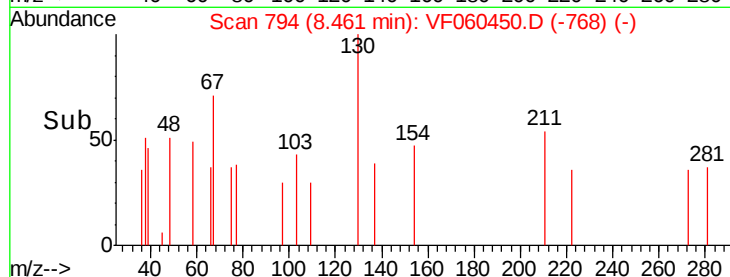
100

50

0

8.44 8.46 8.48

Time-->



#54

cis-1,3-Dichloropropene

Concen: 23.594 ug/l

RT: 7.46 min Scan# 692

Delta R.T. 0.03 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

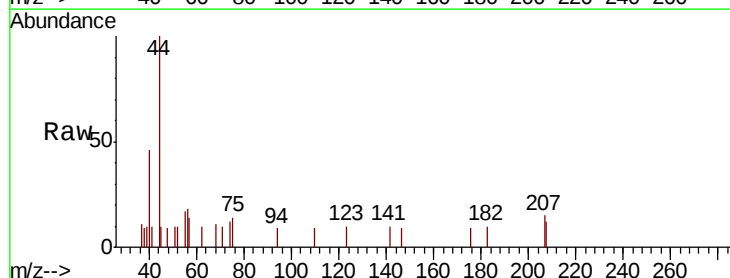
Tgt Ion: 75 Resp: 161

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

39 71.2 49.7 74.5



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

600

500

400

300

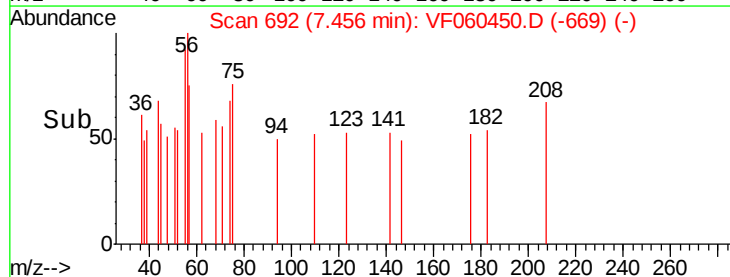
200

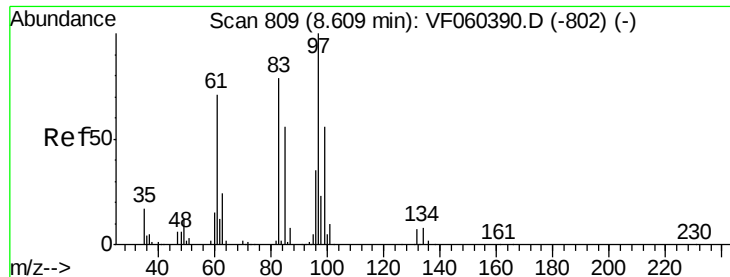
100

0

7.45 7.46 7.50

Time-->





#55

1,1,2-Trichloroethane

Concen: 22.151 ug/l

RT: 8.51 min Scan# 799

Delta R.T. -0.10 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

Instrument :

MSVOA_F

ClientSampleId :

OK-01-100318

Tot Ion: 97 Resp: 67

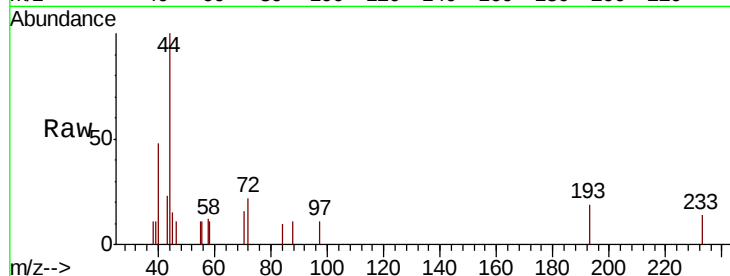
Ion Ratio Lower Upper

97 100

83 0.0 63.4 95.0#

85 0.0 44.5 66.7#

99 0.0 45.1 67.7#

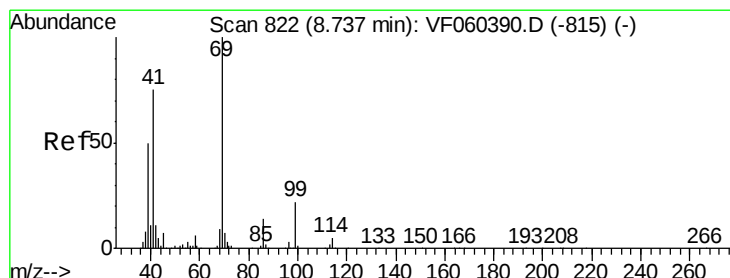
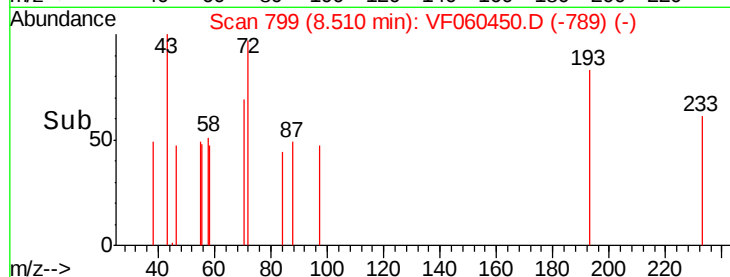
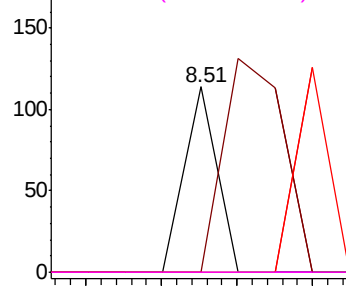


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 63.427 ug/l

RT: 8.73 min Scan# 821

Delta R.T. -0.01 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

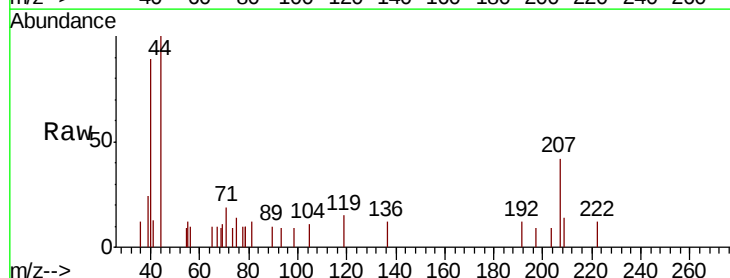
Tgt Ion: 69 Resp: 218

Ion Ratio Lower Upper

69 100

41 63.4 60.2 90.4

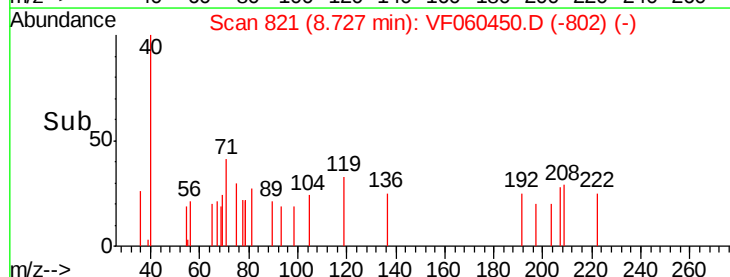
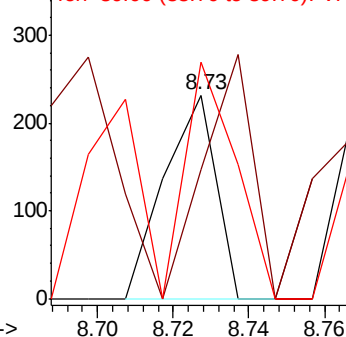
39 116.4 40.2 60.2#

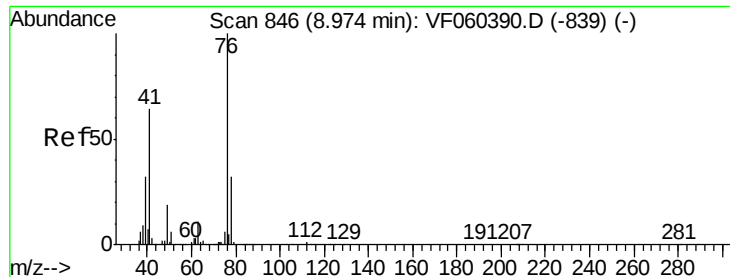


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 14.266 ug/l

RT: 8.92 min Scan# 841

Delta R.T. -0.05 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

Instrument :

MSVOA_F

ClientSampleId :

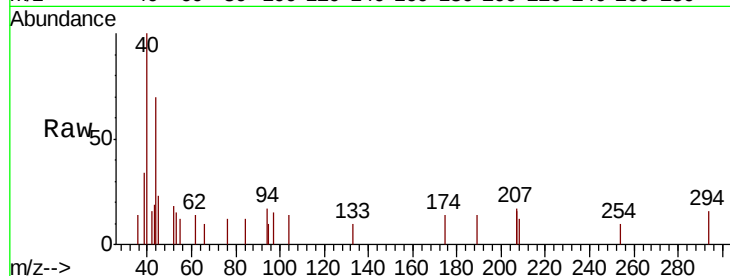
OK-01-100318

Tot Ion: 76 Resp: 73

Ion Ratio Lower Upper

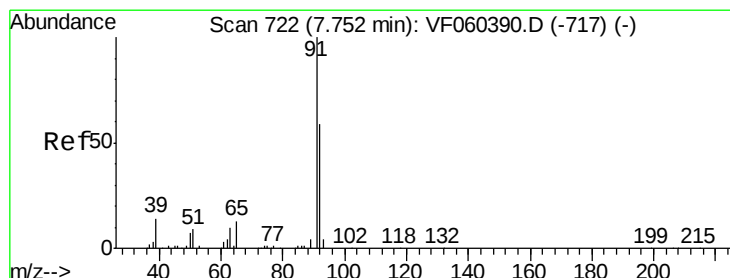
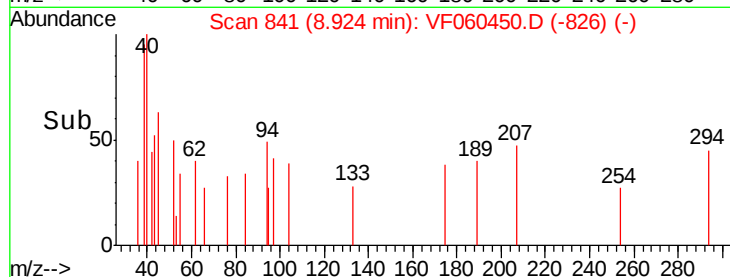
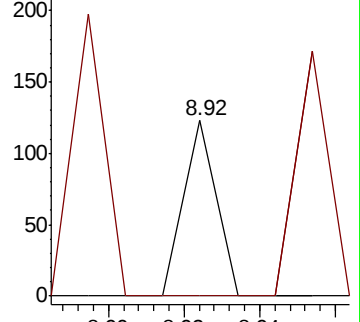
76 100

78 0.0 25.3 37.9#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 182.296 ug/l

RT: 7.73 min Scan# 720

Delta R.T. -0.02 min

Lab File: VF060450.D

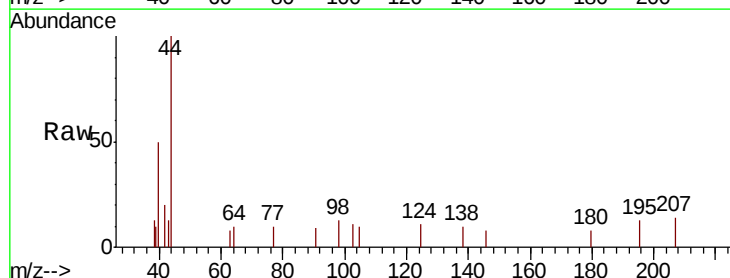
Acq: 4 Oct 2018 21:50

Tgt Ion: 63 Resp: 64

Ion Ratio Lower Upper

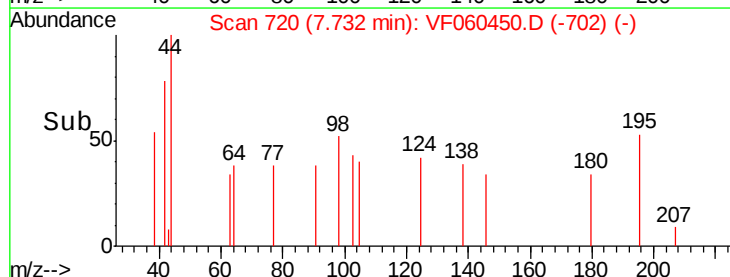
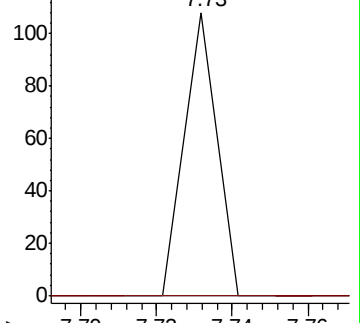
63 100

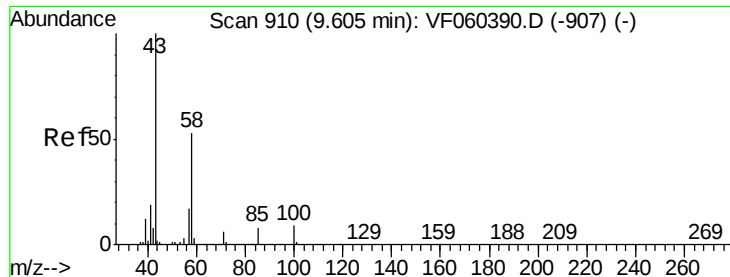
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

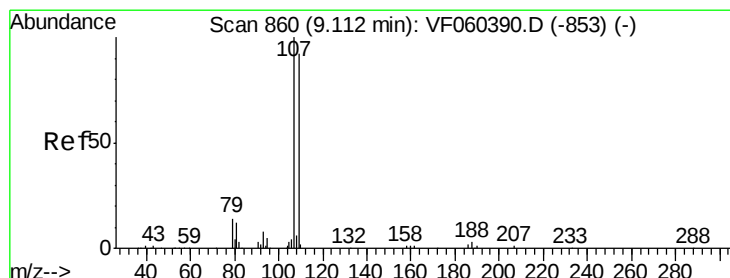
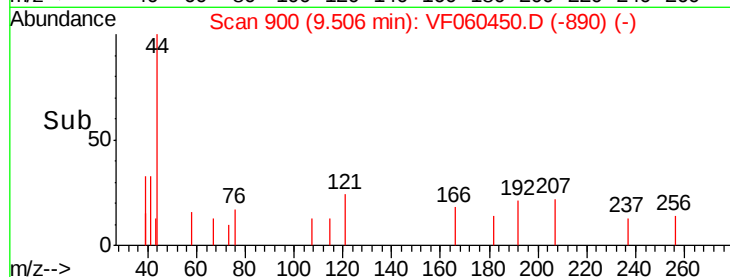
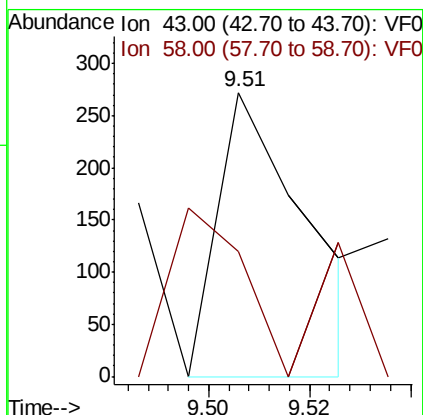
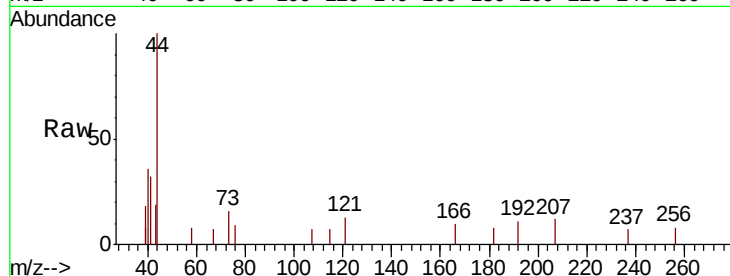




#59
2-Hexanone
Concen: 193.569 ug/l
RT: 9.51 min Scan# 900
Delta R.T. -0.10 min
Lab File: VF060450.D
Acq: 4 Oct 2018 21:50

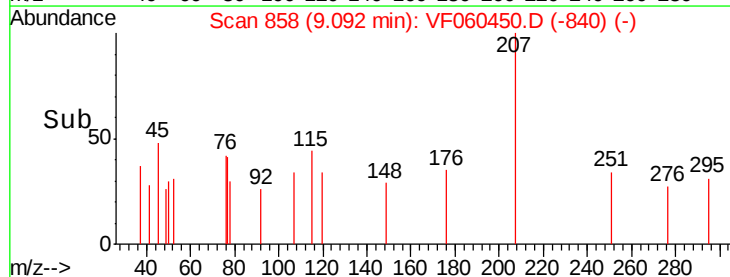
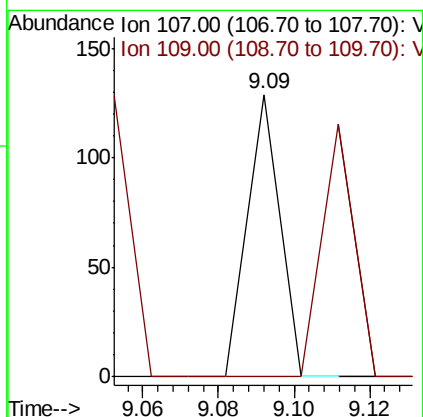
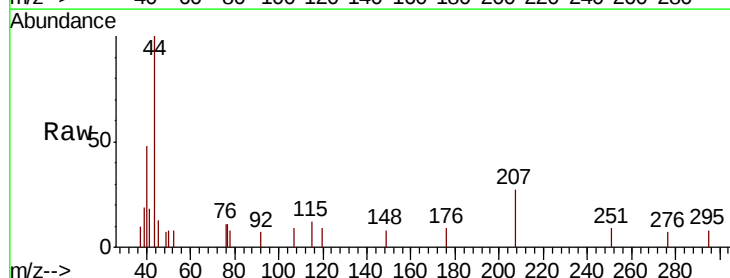
Instrument :
MSVOA_F
ClientSampleId :
OK-01-100318

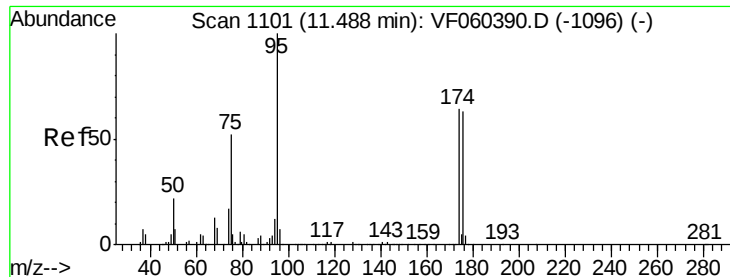
Tot Ion: 43 Resp: 331
Ion Ratio Lower Upper
43 100
58 44.1 25.6 76.6



#61
1,2-Dibromoethane
Concen: 22.963 ug/l
RT: 9.09 min Scan# 858
Delta R.T. -0.02 min
Lab File: VF060450.D
Acq: 4 Oct 2018 21:50

Tgt Ion: 107 Resp: 76
Ion Ratio Lower Upper
107 100
109 0.0 73.7 110.5#

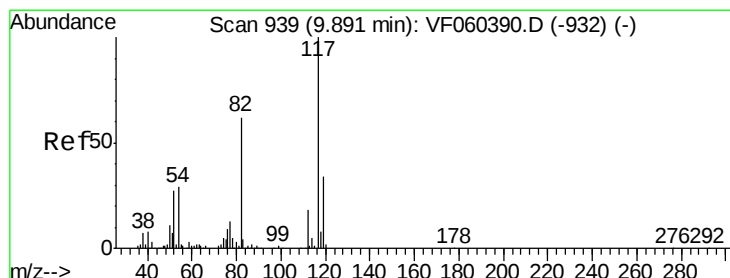
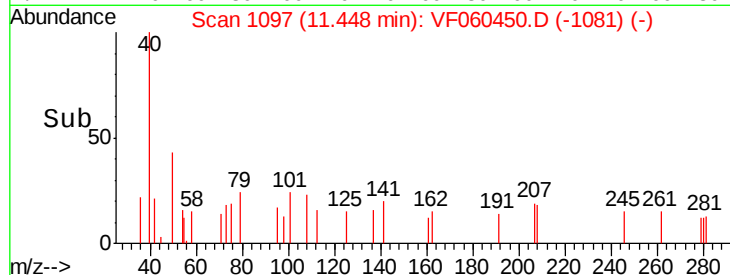
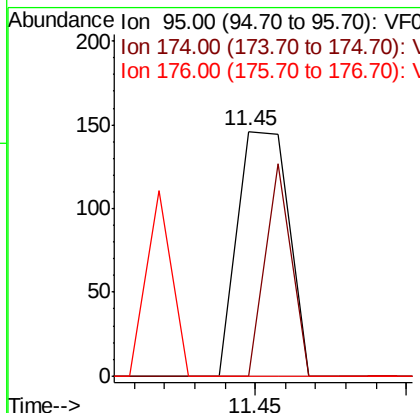
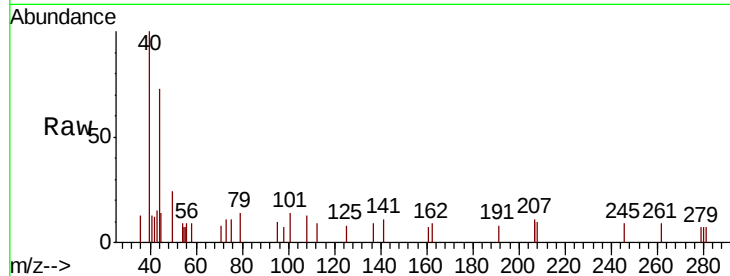




#62
4-Bromofluorobenzene
Concen: 28.365 ug/l
RT: 11.45 min Scan# 1097
Delta R.T. -0.04 min
Lab File: VF060450.D
Acq: 4 Oct 2018 21:50

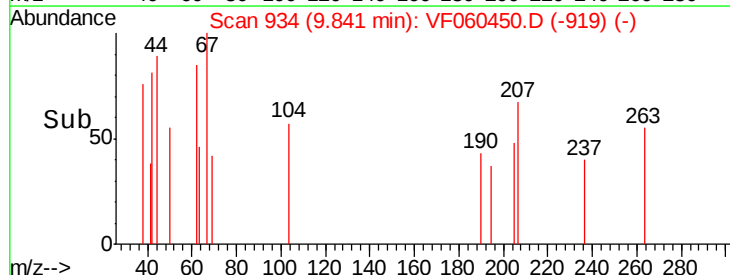
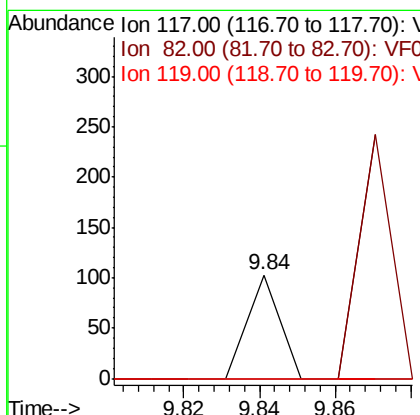
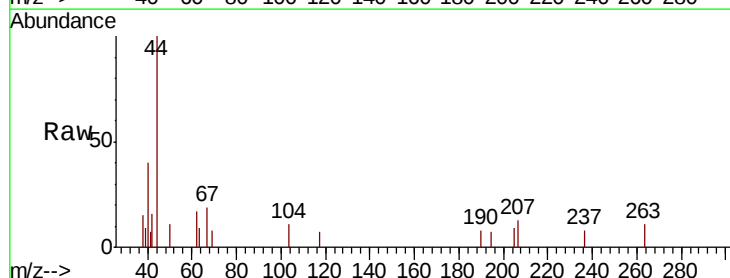
Instrument :
MSVOA_F
ClientSampleId :
OK-01-100318

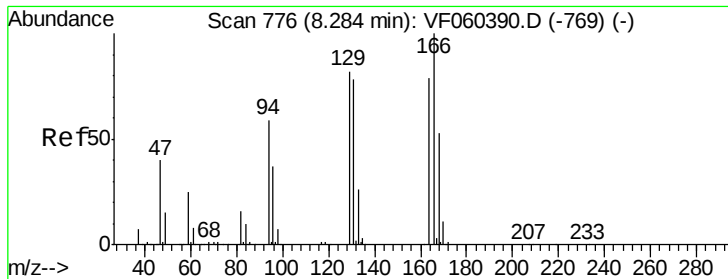
Tot Ion	Ratio	Lower	Upper
95	100		
174	0.0	0.0	129.0
176	0.0	0.0	125.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.84 min Scan# 934
Delta R.T. -0.05 min
Lab File: VF060450.D
Acq: 4 Oct 2018 21:50

Tgt Ion	Ratio	Lower	Upper
117	100		
82	0.0	49.5	74.3#
119	0.0	27.0	40.6#

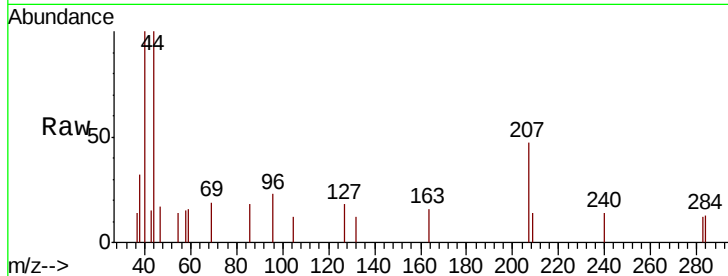




#64
Tetrachloroethene
Concen: 169.102 ug/l
RT: 8.33 min Scan# 781
Delta R.T. 0.05 min
Lab File: VF060450.D
Acq: 4 Oct 2018 21:50

Instrument :
MSVOA_F
ClientSampleId :
OK-01-100318

Tot Ion	Ratio	Lower	Upper
164	100		
166	0.0	101.0	151.6#
129	0.0	82.5	123.7#
131	0.0	79.2	118.8#



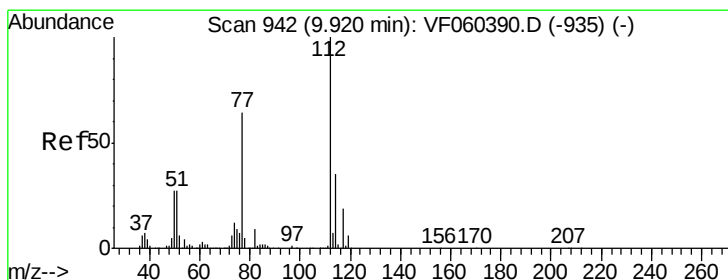
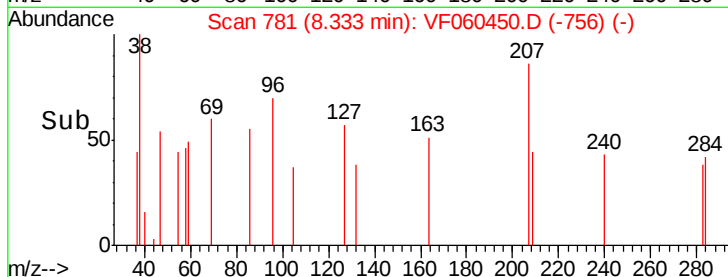
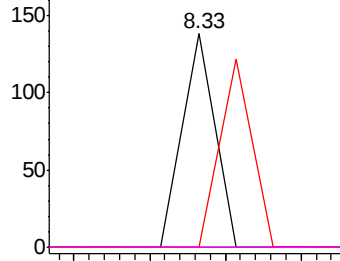
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

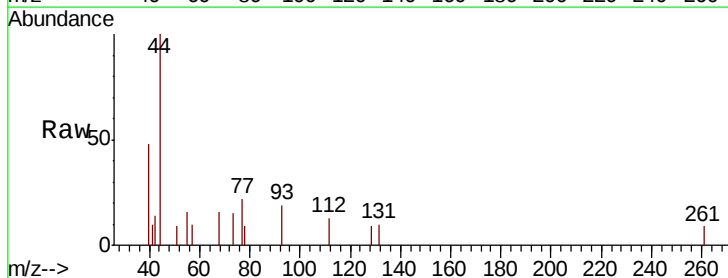
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#65
Chlorobenzene
Concen: 71.824 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.01 min
Lab File: VF060450.D
Acq: 4 Oct 2018 21:50

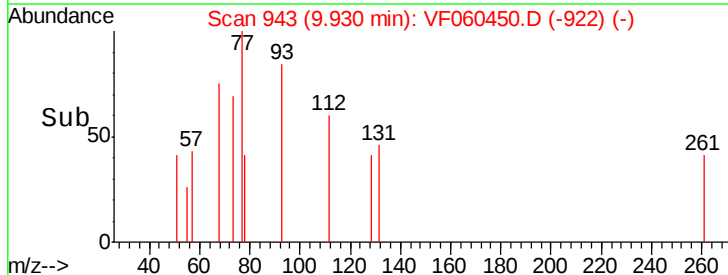
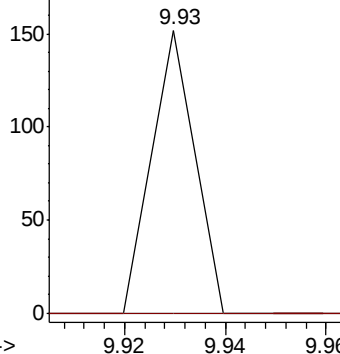
Tgt Ion	Ratio	Lower	Upper
112	100		
114	0.0	27.7	41.5#

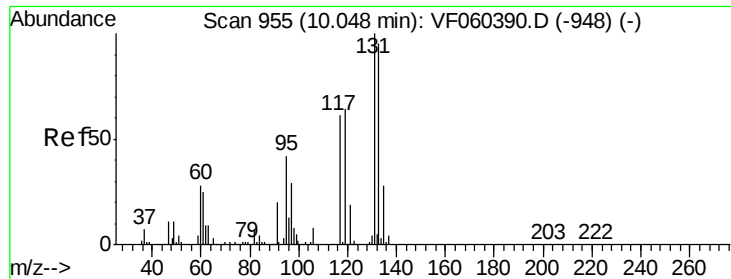


Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#66

1,1,1,2-Tetrachloroethane

Concen: 133.424 ug/l

RT: 10.01 min Scan# 951

Delta R.T. -0.04 min

Lab File: VF060450.D

Acq: 4 Oct 2018 21:50

Instrument :

MSVOA_F

ClientSampleId :

OK-01-100318

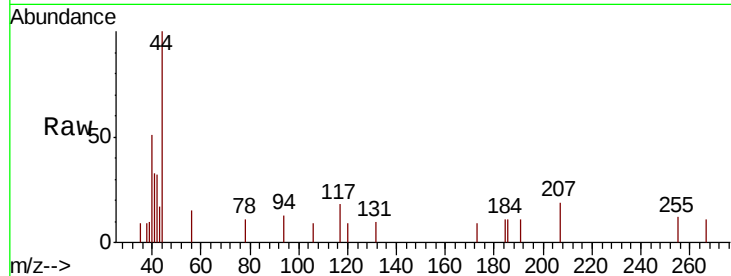
Tot Ion:131 Resp: 73

Ion Ratio Lower Upper

131 100

133 0.0 47.3 141.8#

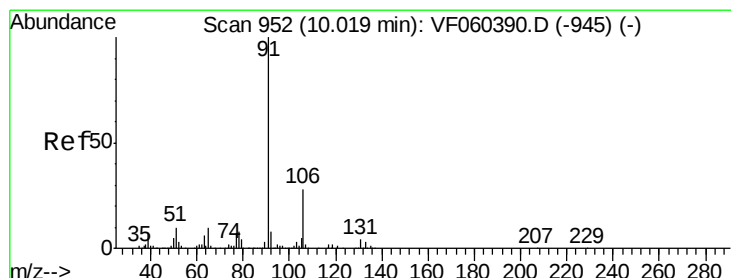
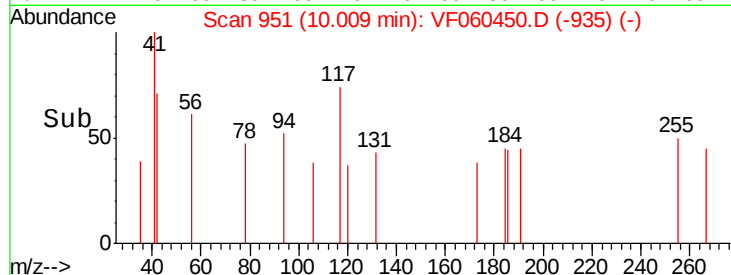
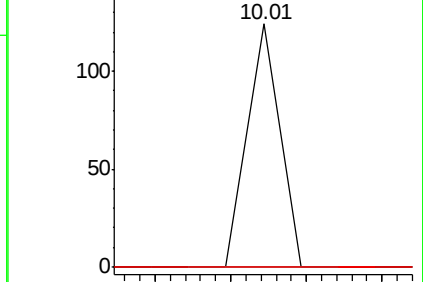
119 0.0 32.3 96.9#



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#67

Ethyl Benzene

Concen: 45.330 ug/l

RT: 10.06 min Scan# 956

Delta R.T. 0.04 min

Lab File: VF060450.D

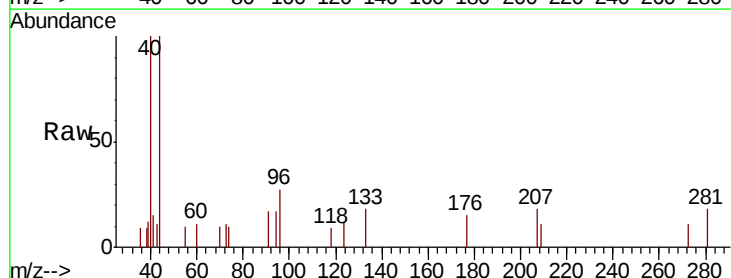
Acq: 4 Oct 2018 21:50

Tgt Ion: 91 Resp: 108

Ion Ratio Lower Upper

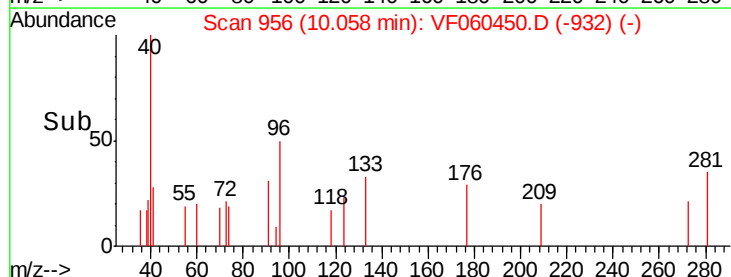
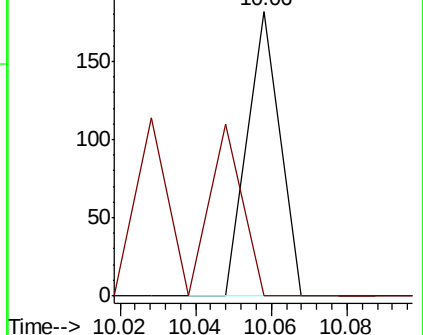
91 100

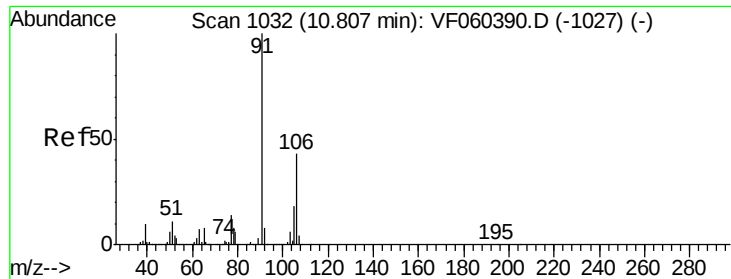
106 0.0 22.5 33.7#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

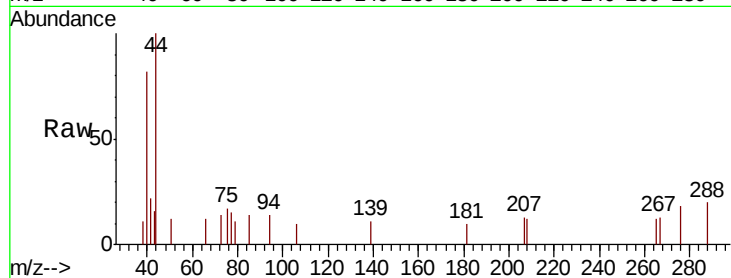




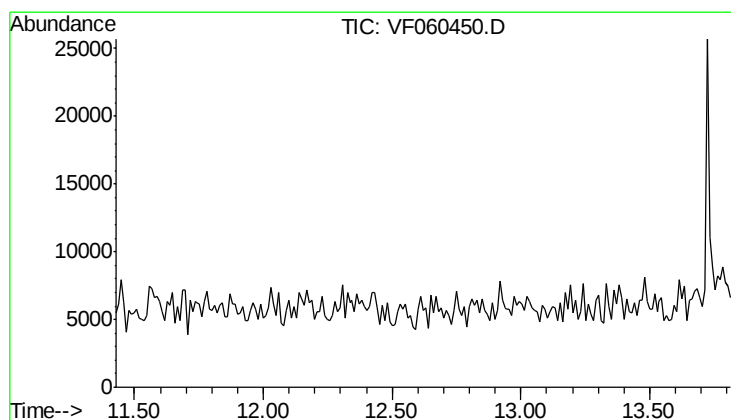
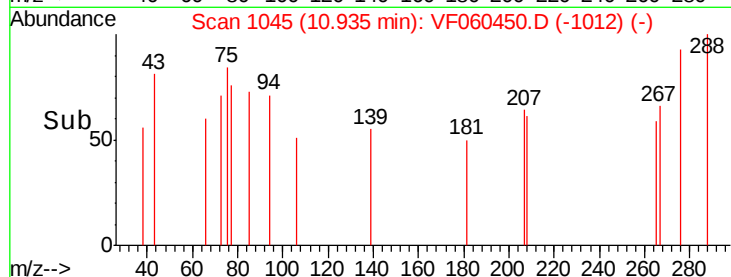
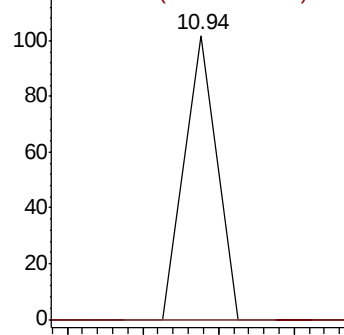
#69
o-Xylene
Concen: 67.207 ug/l
RT: 10.94 min Scan# 1045
Delta R.T. 0.13 min
Lab File: VF060450.D
Acq: 4 Oct 2018 21:50

Instrument :
MSVOA_F
ClientSampleId :
OK-01-100318

Tot Ion: 106 Resp: 60
Ion Ratio Lower Upper
106 100
91 0.0 115.1 345.2#



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



#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 12.62 min

Lab File: VF060450.D
Acq: 4 Oct 2018 21:50

Tgt Ion: 152
Sig Exp Ratio
152 100
115 57.2
150 162.3

