

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100218\
 Data File : VF060408.D
 Acq On : 2 Oct 2018 18:00
 Operator : VA/AP
 Sample : J5170-19
 Misc : 8.45/5mL/MSVOA F/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 HC-SOIL-4

Quant Time: Oct 03 02:34:53 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	9687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	8601	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	2829	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	75	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.98	65	1672	11.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.06%	
35) Dibromofluoromethane	4.25	113	2553	31.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.20%	
50) Toluene-d8	7.68	98	7455	37.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.92%	
62) 4-Bromofluorobenzene	11.50	95	163	1.79	ug/l	0.01
Spiked Amount	50.000		Recovery	=	3.58%	

Target Compounds				Qvalue
2) Dichlorodifluoromethane	0.98	85	158	Below Cal # 43
4) Vinyl Chloride	1.25	62	219	1.600 ug/l # 42
8) Diethyl Ether	1.58	74	61	1.402 ug/l # 79
11) Tert butyl alcohol	2.67	59	81	8.834 ug/l # 77
12) 1,1-Dichloroethene	1.90	96	225	1.915 ug/l # 1
13) Acrolein	2.14	56	291	39.466 ug/l # 85
14) Allyl chloride	2.19	41	716	3.803 ug/l # 27
15) Acrylonitrile	3.03	53	163	10.375 ug/l # 14
16) Acetone	2.35	43	267	Below Cal # 66
18) Methyl Acetate	2.41	43	672	10.388 ug/l # 57
20) Methylene Chloride	2.25	84	310	Below Cal # 8
23) Vinyl Acetate	3.28	43	980	7.219 ug/l # 81
25) 2-Butanone	4.46	43	67	1.707 ug/l # 60
26) 2,2-Dichloropropane	3.69	77	213	1.627 ug/l # 61
28) Bromochloromethane	3.78	49	93	1.092 ug/l # 10
29) Tetrahydrofuran	4.22	42	216	10.213 ug/l # 61
31) Cyclohexane	3.87	56	485	2.923 ug/l # 17
37) Ethyl Acetate	4.25	43	482	11.869 ug/l # 1
39) Methylcyclohexane	5.48	83	202	1.943 ug/l # 10
41) Methacrylonitrile	4.89	41	883	41.010 ug/l # 40
43) Isopropyl Acetate	7.06	43	198	4.035 ug/l # 44
44) Trichloroethene	5.69	130	128	1.895 ug/l # 1
45) 1,2-Dichloropropane	6.27	63	161	2.872 ug/l # 46
46) Dibromomethane	6.25	93	98	2.174 ug/l # 9
47) Bromodichloromethane	6.55	83	176	1.577 ug/l # 23
48) Methyl methacrylate	6.84	41	250	7.097 ug/l # 69
49) 1,4-Dioxane	6.68	88	72	237.048 ug/l # 18
51) 4-Methyl-2-Pentanone	8.35	43	322	9.218 ug/l # 39
53) t-1,3-Dichloropropene	8.46	75	95	1.086 ug/l # 1
55) 1,1,2-Trichloroethane	8.56	97	64	1.412 ug/l # 47
56) Ethyl methacrylate	8.74	69	70	1.359 ug/l # 1
58) 2-Chloroethyl Vinyl ether	7.83	63	64	12.166 ug/l # 100
59) 2-Hexanone	9.63	43	422	16.470 ug/l # 93
60) Dibromochloromethane	8.87	129	89	1.304 ug/l # 11

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

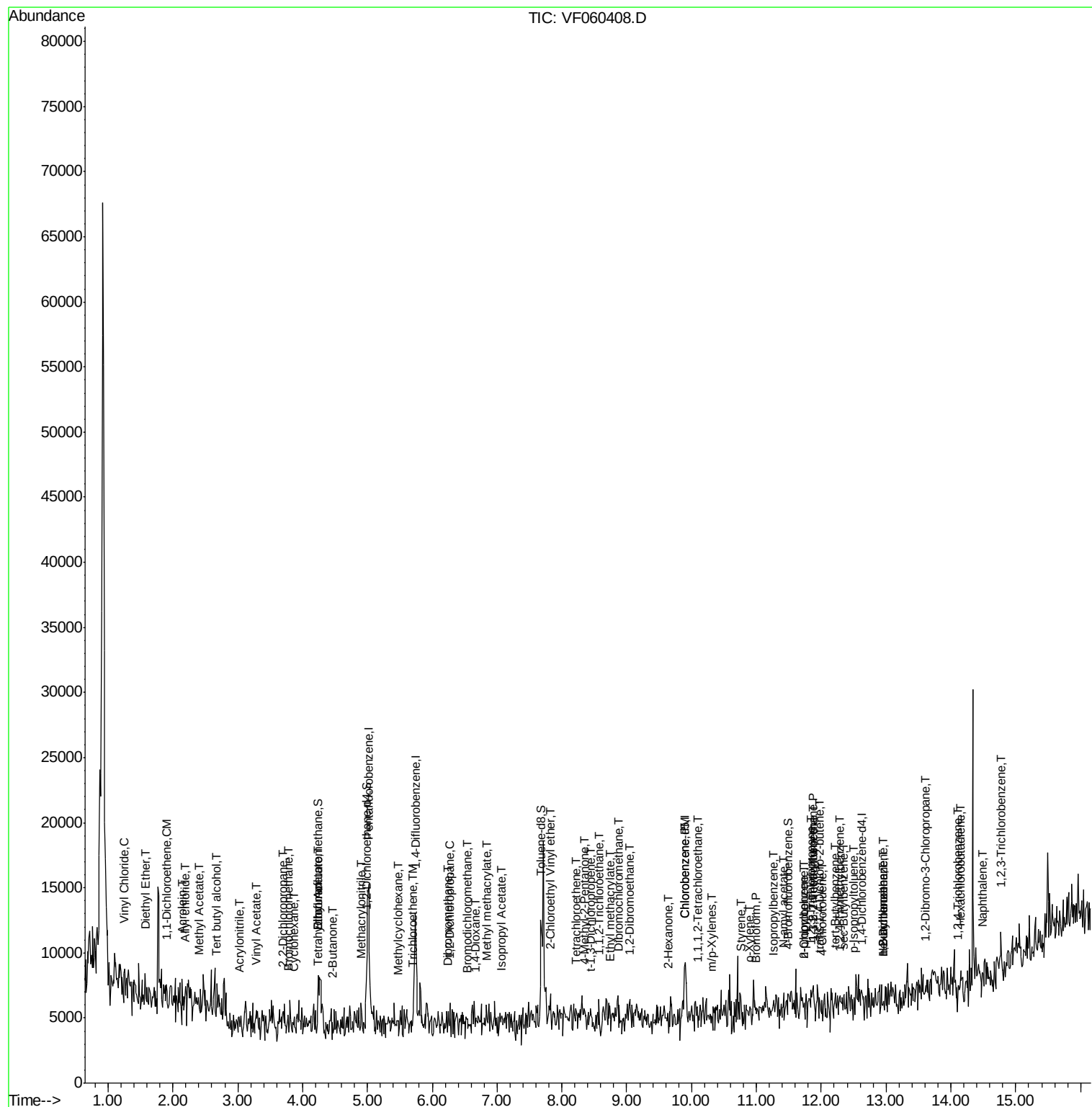
61) 1,2-Dibromoethane	9.05	107	73	1.472	ug/l #	4
64) Tetrachloroethene	8.22	164	87	3.869	ug/l #	17
65) Chlorobenzene	9.90	112	122	2.099	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.09	131	90	3.547	ug/l #	51
68) m/p-Xylenes	10.31	106	77	2.027	ug/l #	1
69) o-Xylene	10.90	106	85	2.053	ug/l #	1
70) Styrene	10.77	104	76	1.290	ug/l #	32
71) Bromoform	11.00	173	61	4.515	ug/l #	32
73) Isopropylbenzene	11.26	105	62	10.499	ug/l #	51
74) N-amyl acetate	11.42	43	806	594.702	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	11.87	83	80	74.306	ug/l #	4
76) 1,2,3-Trichloropropane	11.84	75	101	127.428	ug/l #	56
78) n-propylbenzene	11.73	91	203	28.356	ug/l #	55
79) 2-Chlorotoluene	11.73	91	203	48.475	ug/l #	46
80) 1,3,5-Trimethylbenzene	11.86	105	92	18.337	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.98	75	79	224.849	ug/l #	15
82) 4-Chlorotoluene	12.01	91	72	16.804	ug/l #	43
83) tert-Butylbenzene	12.22	119	77	15.560	ug/l #	25
84) 1,2,4-Trimethylbenzene	12.29	105	61	12.260	ug/l #	30
85) sec-Butylbenzene	12.36	105	78	11.419	ug/l #	58
86) p-Isopropyltoluene	12.50	119	60	10.752	ug/l #	49
89) n-Butylbenzene	12.95	91	84	14.225	ug/l #	28
90) Hexachloroethane	12.96	117	86	59.627	ug/l #	27
91) 1,2-Dichlorobenzene	12.97	146	66	27.731	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.61	75	61	292.262	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.10	180	74	41.598	ug/l #	10
94) Hexachlorobutadiene	14.15	225	67	53.964	ug/l #	17
95) Naphthalene	14.48	128	73	22.951	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.77	180	91	54.571	ug/l #	13

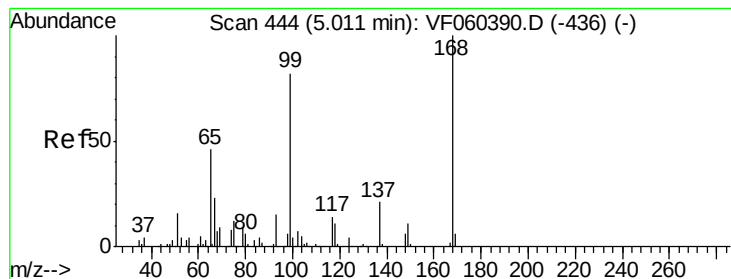
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF060408.D

Acq: 2 Oct 2018 18:00

Instrument :

MSVOA_F

ClientSampleId :

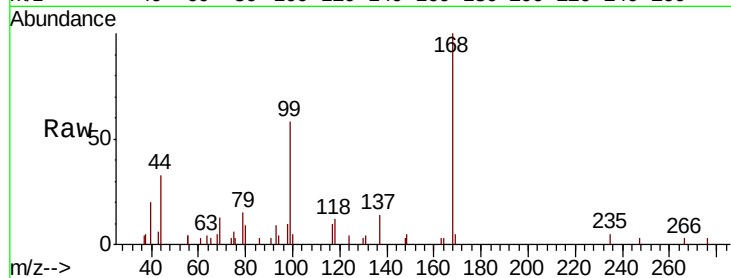
HC-SOIL-4

Tot Ion:168 Resp: 9687

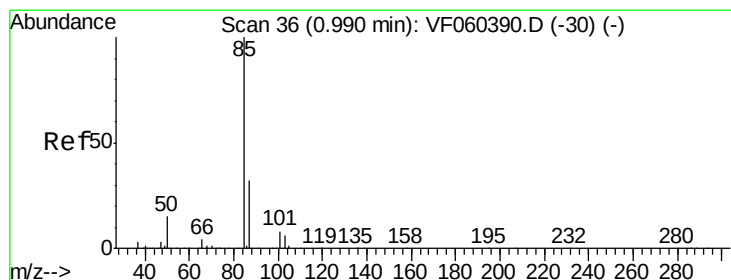
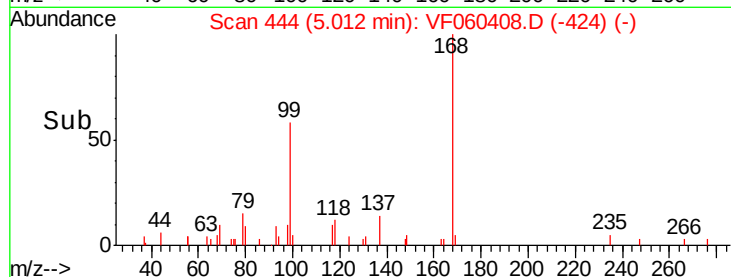
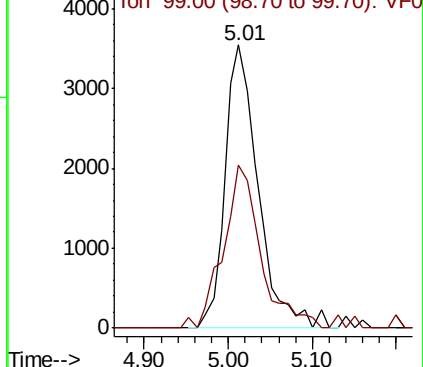
Ion Ratio Lower Upper

168 100

99 57.7 65.3 97.9#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.98 min Scan# 35

Delta R.T. -0.01 min

Lab File: VF060408.D

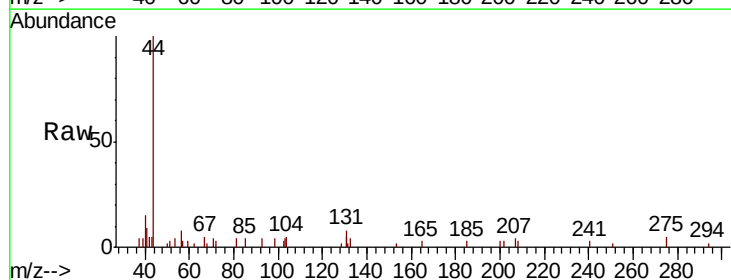
Acq: 2 Oct 2018 18:00

Tgt Ion: 85 Resp: 158

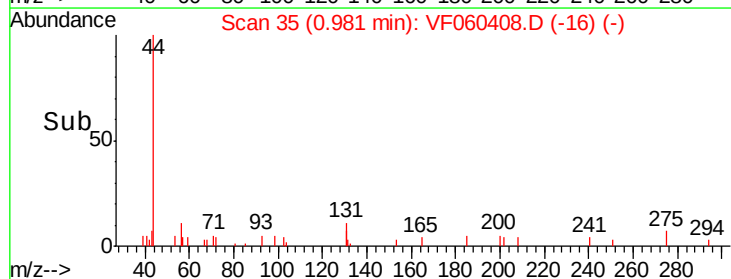
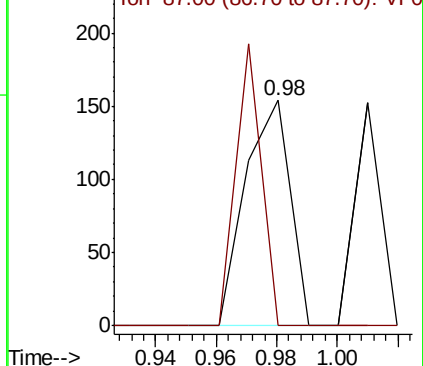
Ion Ratio Lower Upper

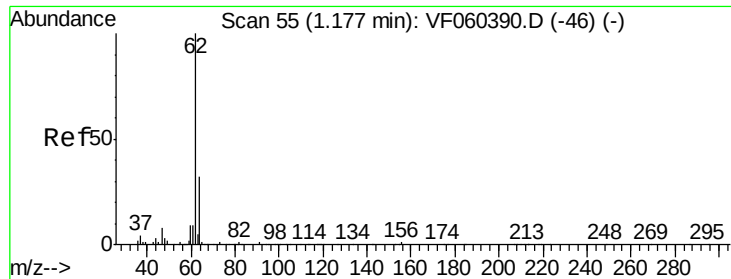
85 100

87 0.0 15.9 47.6#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#4

Vinyl Chloride

Concen: 1.600 ug/l

RT: 1.25 min Scan# 62

Delta R.T. 0.07 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

Instrument :

MSVOA_F

ClientSampled :

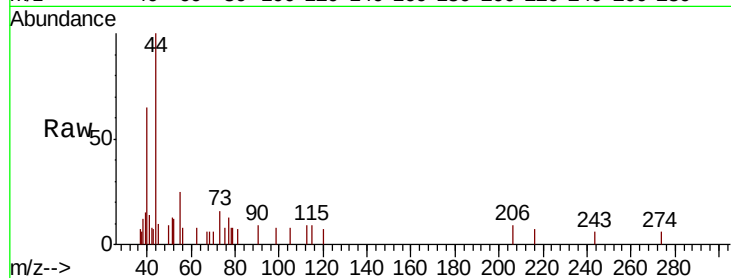
HC-SOIL-4

Tot Ion: 62 Resp: 219

Ion Ratio Lower Upper

62 100

64 0.0 25.8 38.6#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.25

150

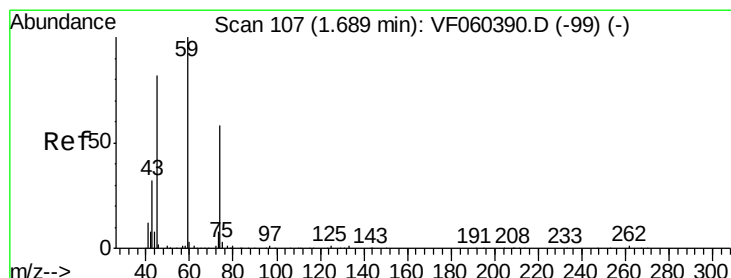
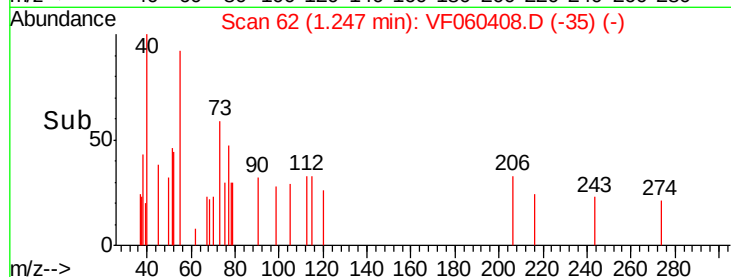
100

50

0

1.20 1.25 1.30

Time-->



#8

Diethyl Ether

Concen: 1.402 ug/l

RT: 1.58 min Scan# 96

Delta R.T. -0.11 min

Lab File: VF060408.D

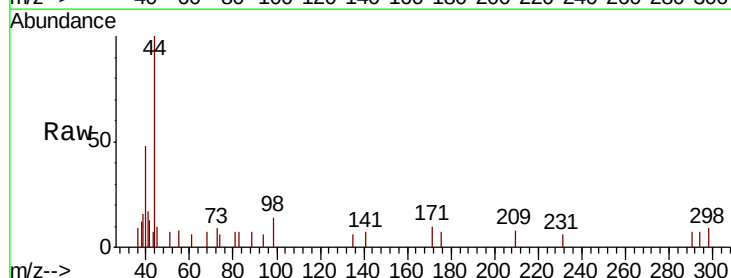
Acq: 2 Oct 2018 18:00

Tgt Ion: 74 Resp: 61

Ion Ratio Lower Upper

74 100

45 168.9 71.3 213.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

400

300

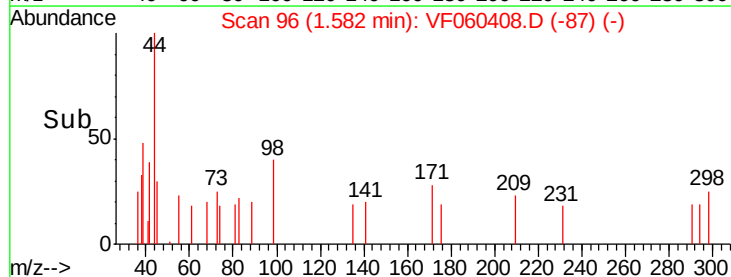
200

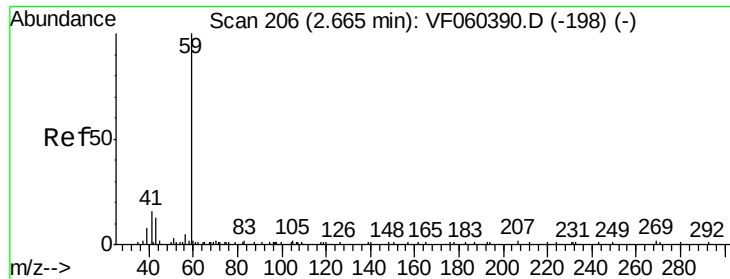
100

0

1.56 1.58 1.60

Time-->



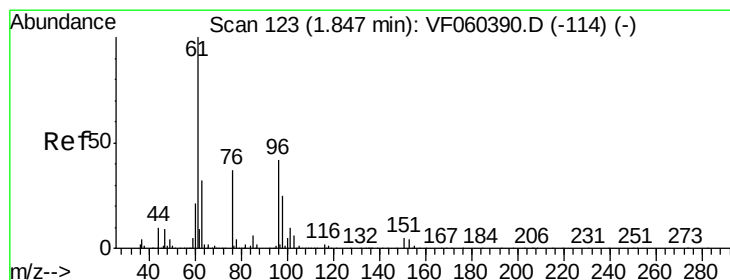
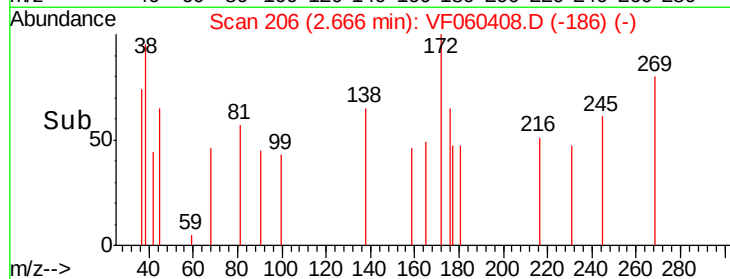
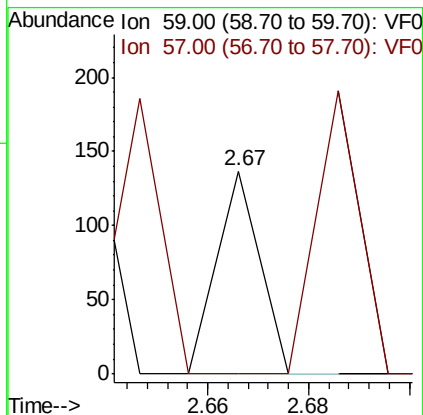
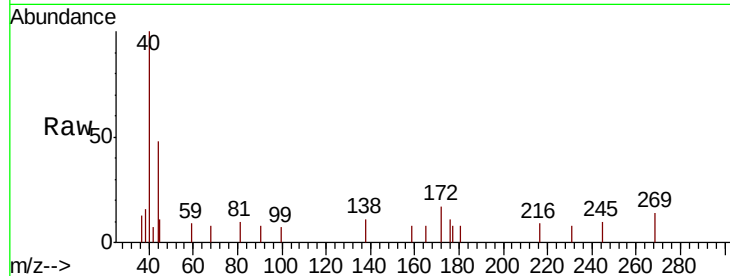


#11

Tert butyl alcohol
Concen: 8.834 ug/l
RT: 2.67 min Scan# 206
Delta R.T. 0.00 min
Lab File: VF060408.D
Acq: 2 Oct 2018 18:00

Instrument :
MSVOA_F
ClientSampled :
HC-SOIL-4

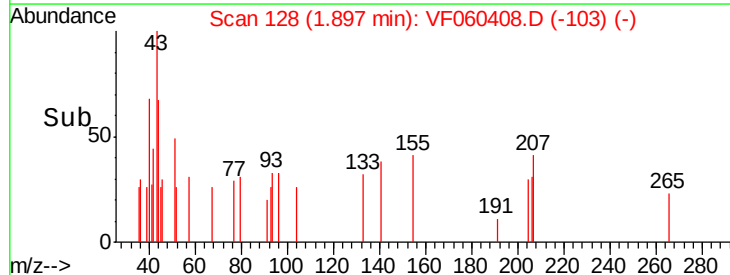
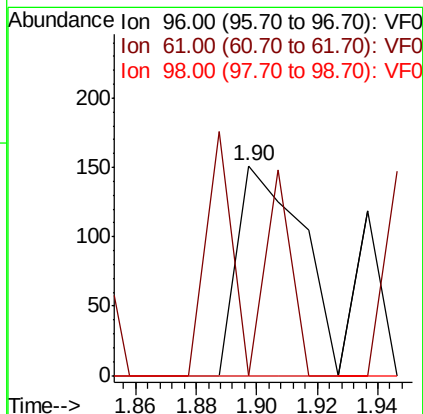
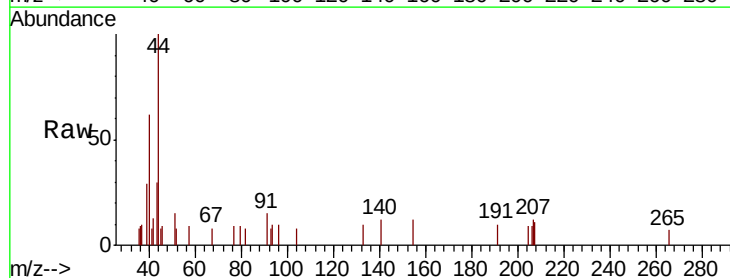
Tot Ion: 59 Resp: 81
Ion Ratio Lower Upper
59 100
57 0.0 6.5 9.7#

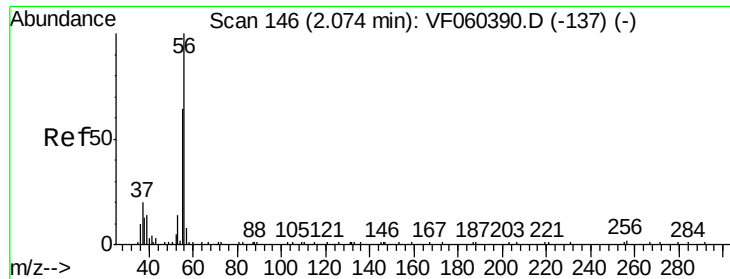


#12

1,1-Dichloroethene
Concen: 1.915 ug/l
RT: 1.90 min Scan# 128
Delta R.T. 0.05 min
Lab File: VF060408.D
Acq: 2 Oct 2018 18:00

Tgt Ion: 96 Resp: 225
Ion Ratio Lower Upper
96 100
61 0.0 189.4 284.0#
98 0.0 47.8 71.6#

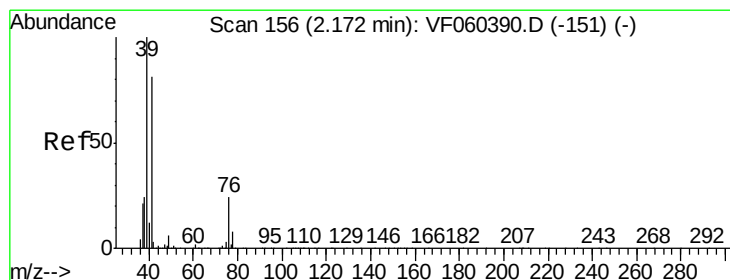
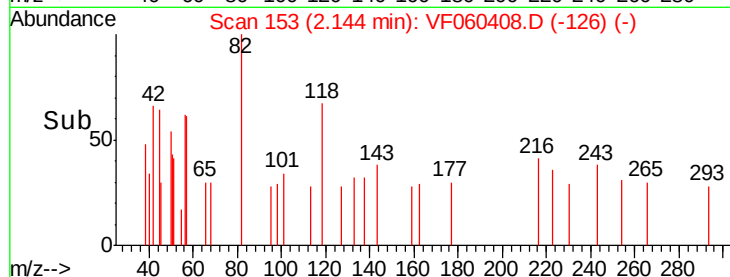
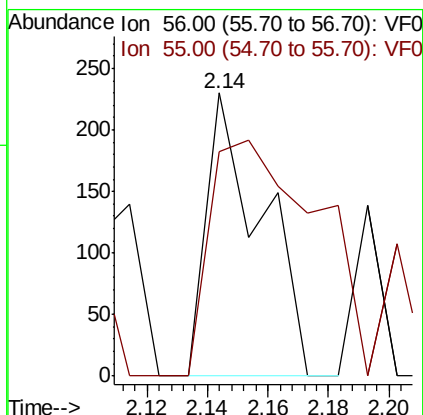
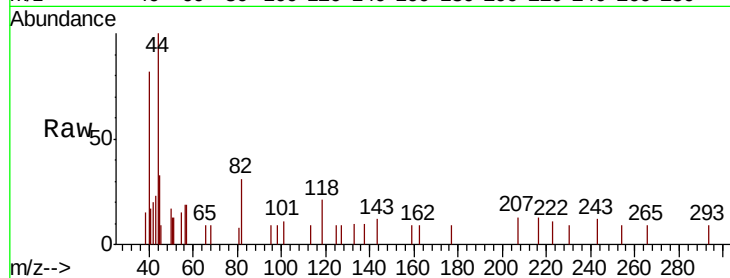




#13
Acrolein
Concen: 39.466 ug/l
RT: 2.14 min Scan# 153
Delta R.T. 0.07 min
Lab File: VF060408.D
Acq: 2 Oct 2018 18:00

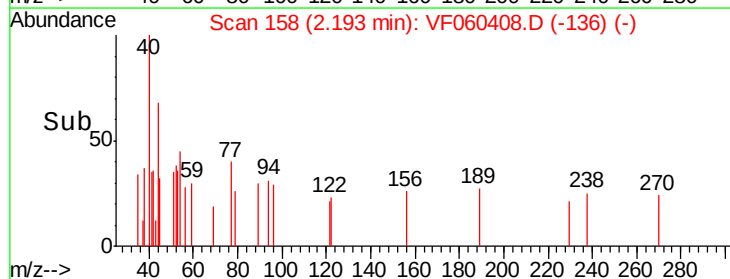
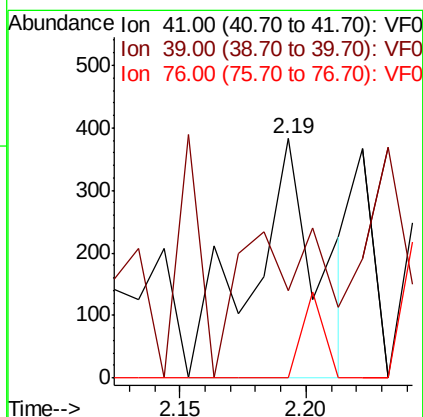
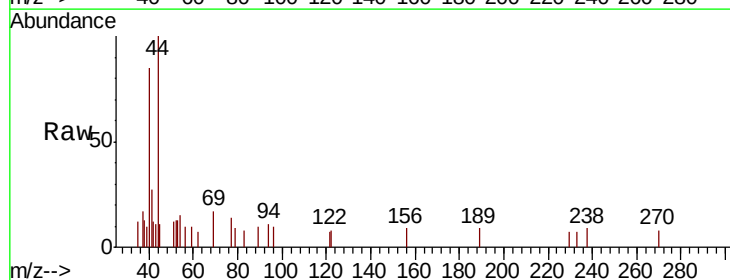
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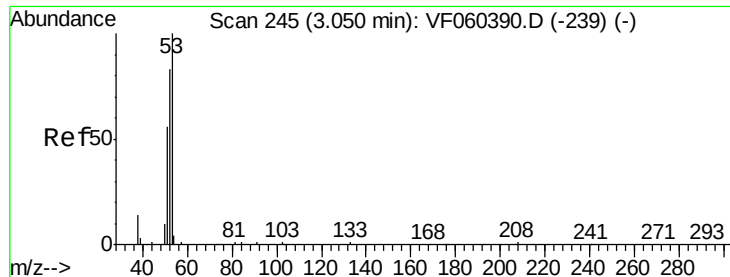
Tot Ion: 56 Resp: 291
Ion Ratio Lower Upper
56 100
55 79.1 53.9 80.9



#14
Allyl chloride
Concen: 3.803 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.02 min
Lab File: VF060408.D
Acq: 2 Oct 2018 18:00

Tgt Ion: 41 Resp: 716
Ion Ratio Lower Upper
41 100
39 36.3 98.3 147.5#
76 0.0 23.9 35.9#





#15

Acrylonitrile

Concen: 10.375 ug/l

RT: 3.03 min Scan# 243

Delta R.T. -0.02 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

Instrument :

MSVOA_F

ClientSampled :

HC-SOIL-4

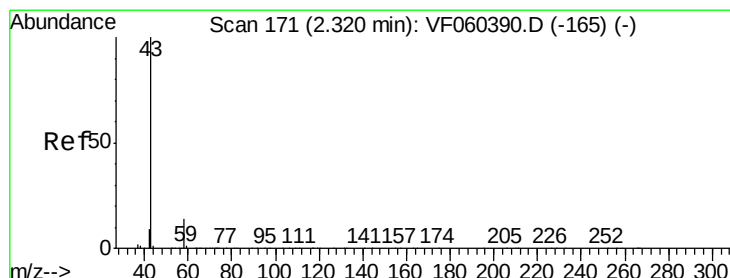
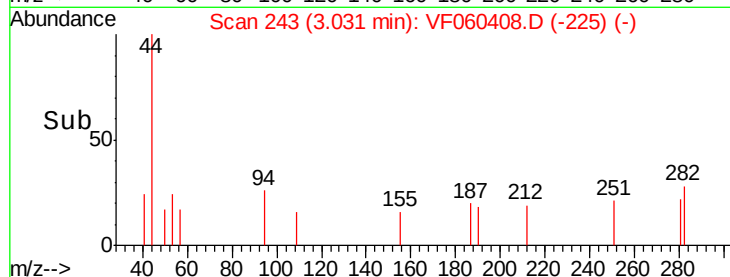
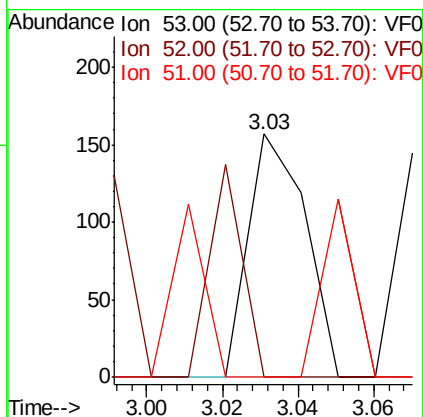
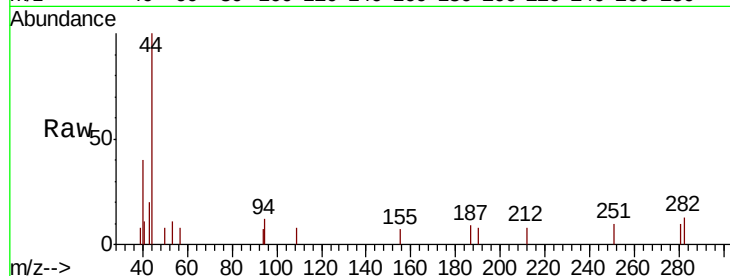
Tot Ion: 53 Resp: 163

Ion Ratio Lower Upper

53 100

52 0.0 66.0 99.0#

51 0.0 45.6 68.4#



#16

Acetone

Concen: Below Cal

RT: 2.35 min Scan# 174

Delta R.T. 0.03 min

Lab File: VF060408.D

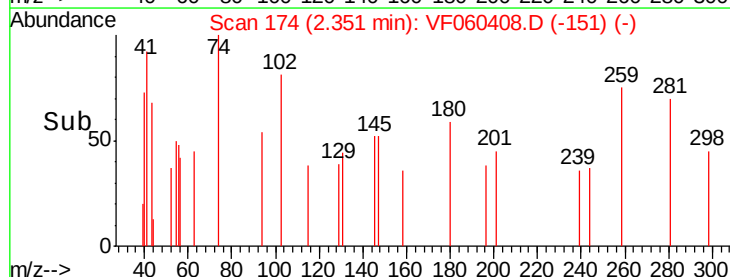
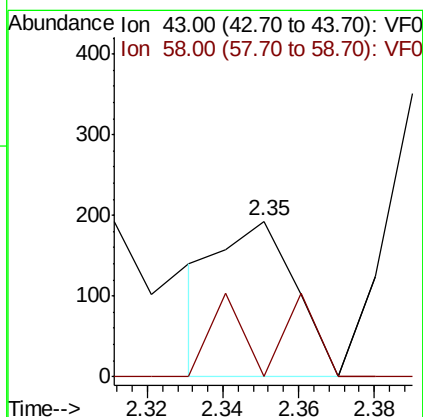
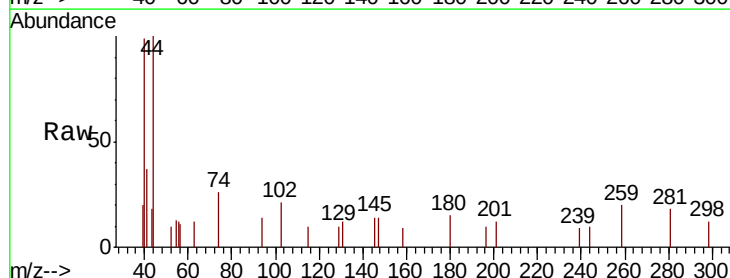
Acq: 2 Oct 2018 18:00

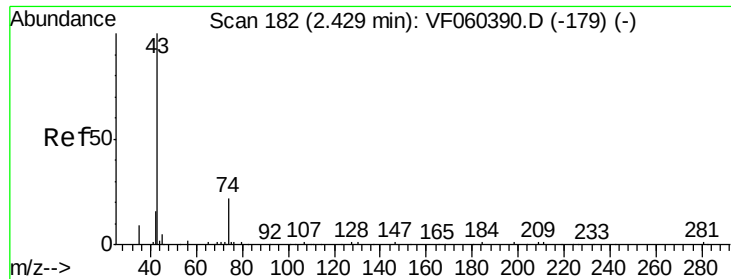
Tgt Ion: 43 Resp: 267

Ion Ratio Lower Upper

43 100

58 0.0 11.2 16.8#

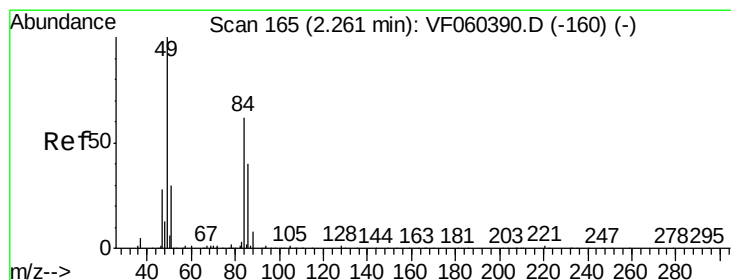
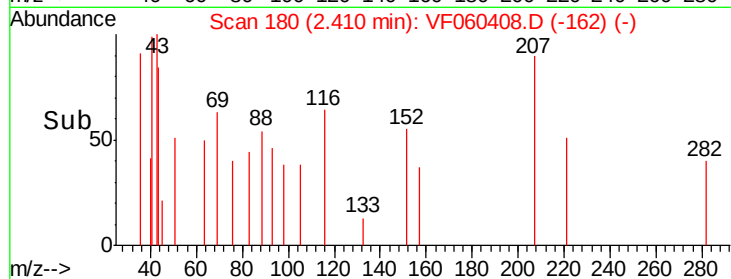
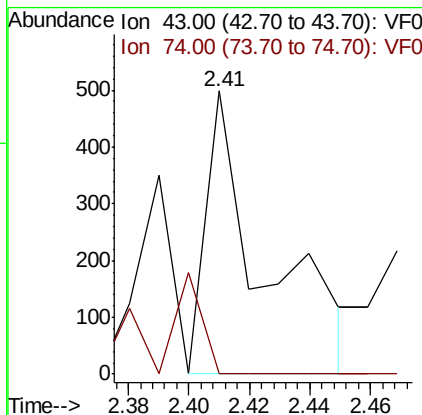
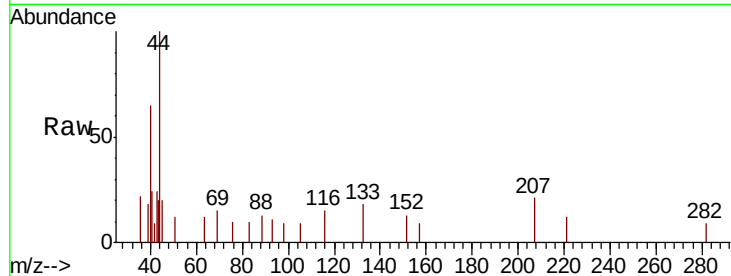




#18
Methvl Acetate
Concen: 10.388 ug/l
RT: 2.41 min Scan# 180
Delta R.T. -0.02 min
Lab File: VF060408.D
Acq: 2 Oct 2018 18:00

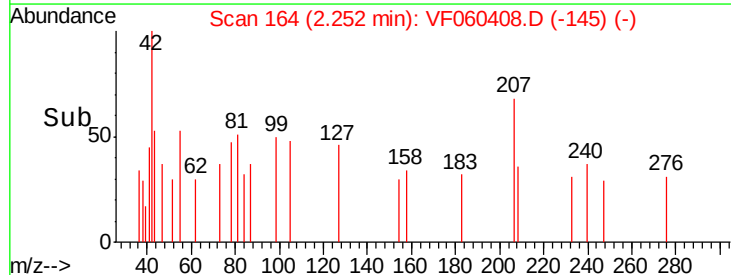
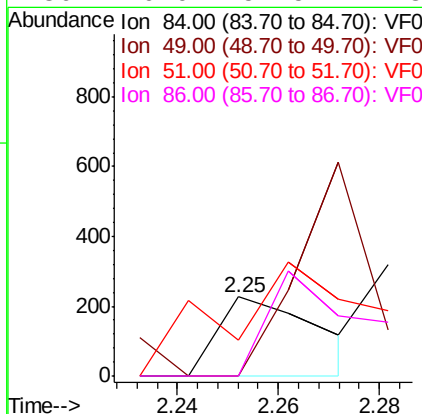
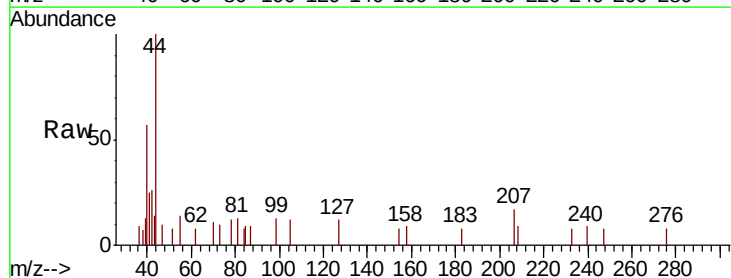
Instrument :
MSVOA_F
ClientSampleId :
HC-SOIL-4

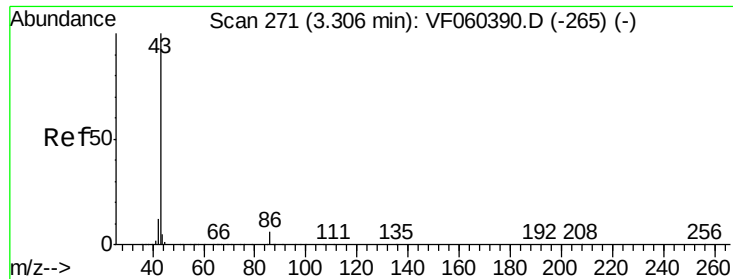
Tot Ion: 43 Resp: 672
Ion Ratio Lower Upper
43 100
74 0.0 15.8 23.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.25 min Scan# 164
Delta R.T. -0.01 min
Lab File: VF060408.D
Acq: 2 Oct 2018 18:00

Tgt Ion: 84 Resp: 310
Ion Ratio Lower Upper
84 100
49 0.0 130.2 195.2#
51 45.8 41.0 61.6
86 0.0 51.5 77.3#





#23

Vinyl Acetate

Concen: 7.219 ug/l

RT: 3.28 min Scan# 268

Delta R.T. -0.03 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

Instrument :

MSVOA_F

ClientSampleId :

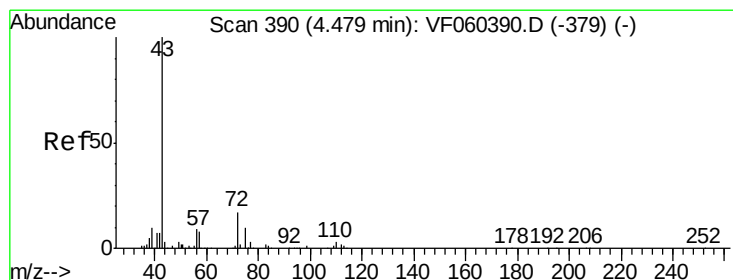
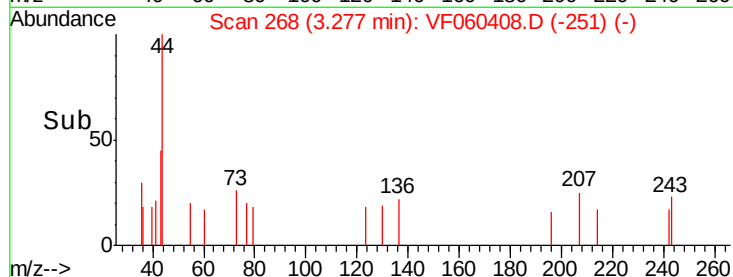
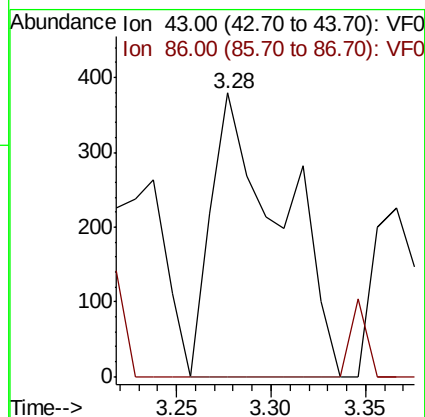
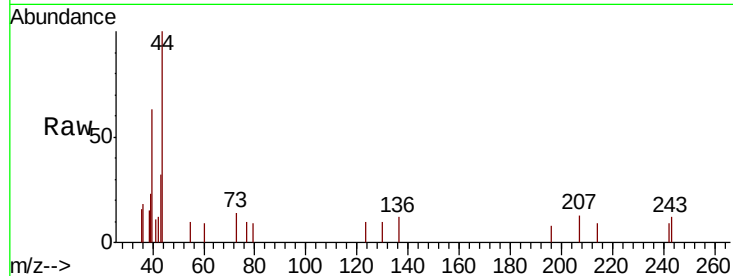
HC-SOIL-4

Tot Ion: 43 Resp: 980

Ion Ratio Lower Upper

43 100

86 0.0 5.1 7.7#



#25

2-Butanone

Concen: 1.707 ug/l

RT: 4.46 min Scan# 388

Delta R.T. -0.02 min

Lab File: VF060408.D

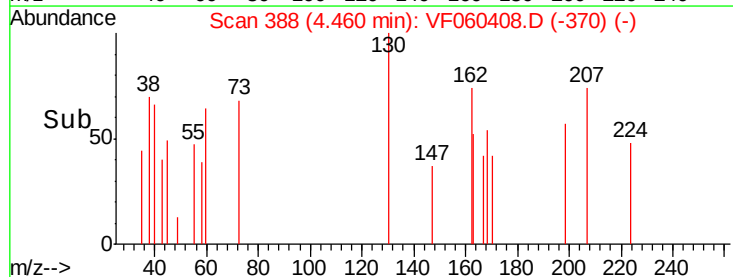
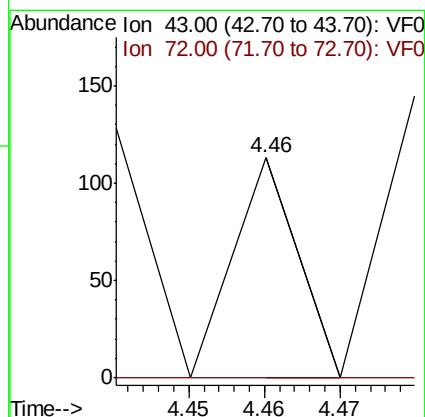
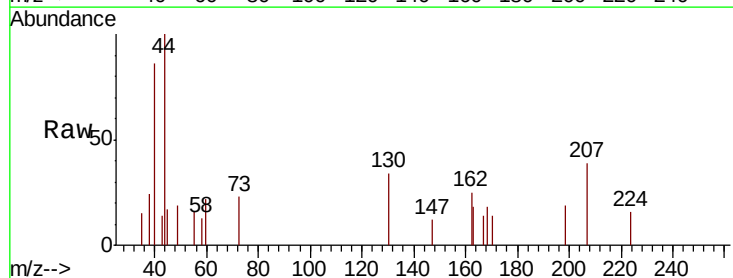
Acq: 2 Oct 2018 18:00

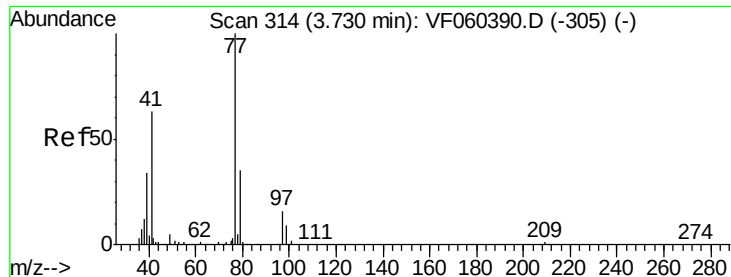
Tgt Ion: 43 Resp: 67

Ion Ratio Lower Upper

43 100

72 0.0 14.1 21.1#





#26

2,2-Dichloropropane

Concen: 1.627 ug/l

RT: 3.69 min Scan# 310

Delta R.T. -0.04 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

Instrument :

MSVOA_F

ClientSampled :

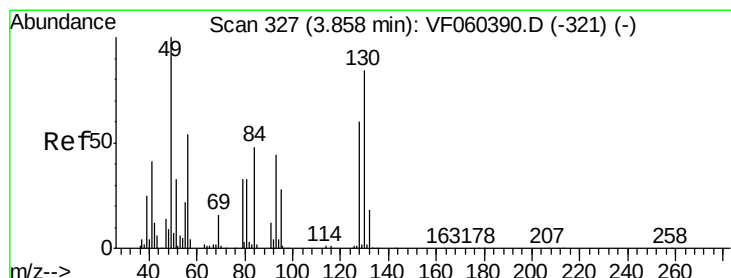
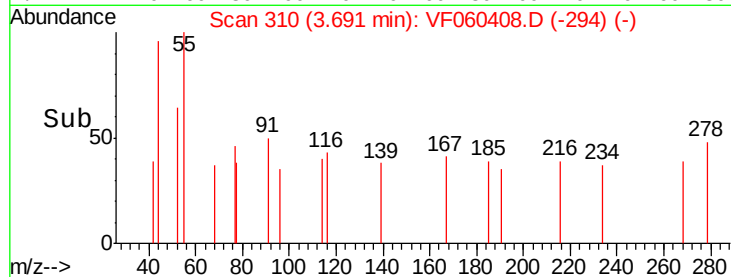
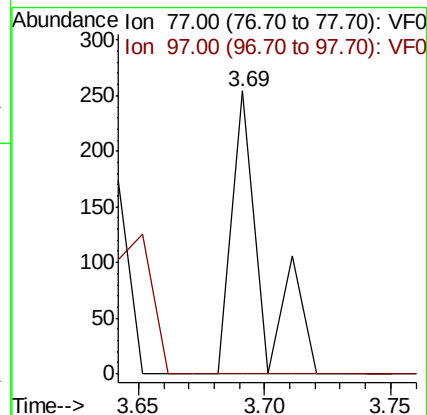
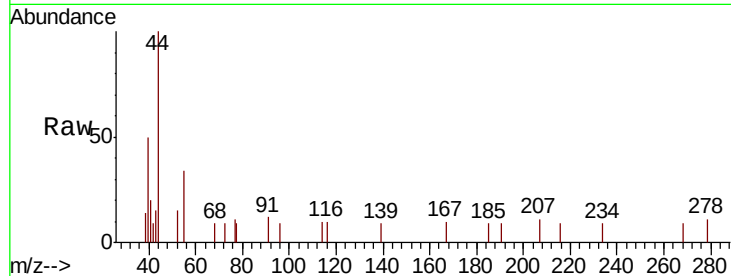
HC-SOIL-4

Tot Ion: 77 Resp: 213

Ion Ratio Lower Upper

77 100

97 0.0 8.3 25.1#



#28

Bromochloromethane

Concen: 1.092 ug/l

RT: 3.78 min Scan# 319

Delta R.T. -0.08 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

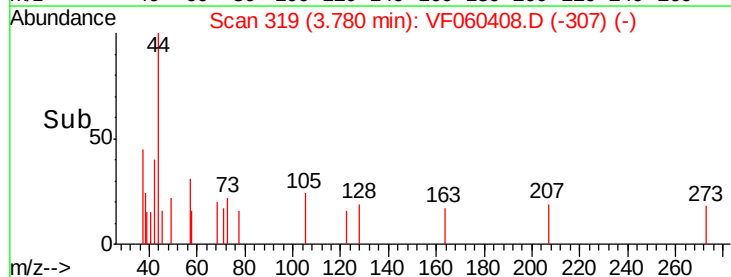
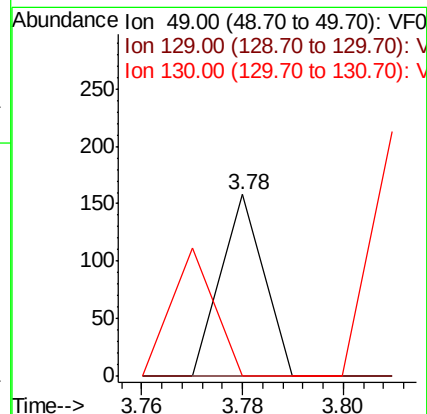
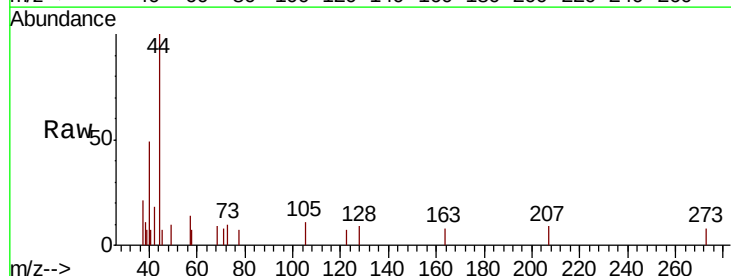
Tgt Ion: 49 Resp: 93

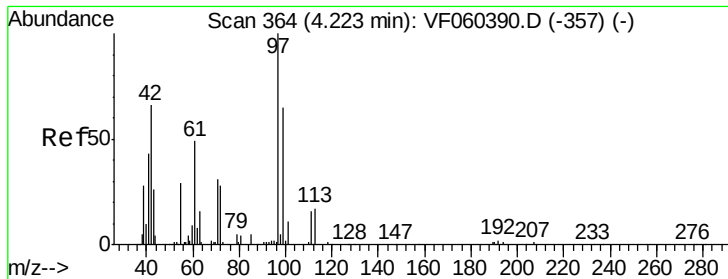
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

130 0.0 67.3 100.9#





#29

Tetrahydrofuran

Concen: 10.213 ug/l

RT: 4.22 min Scan# 364

Delta R.T. 0.00 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

Instrument :

MSVOA_F

ClientSampled :

HC-SOIL-4

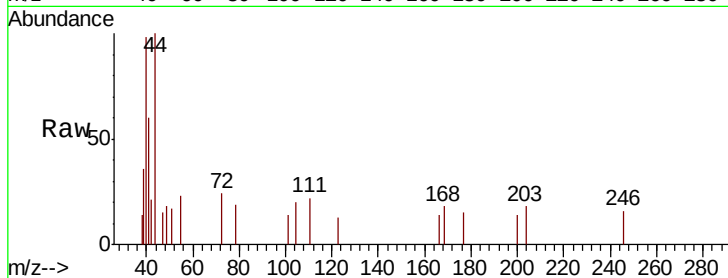
Tot Ion: 42 Resp: 216

Ion Ratio Lower Upper

42 100

72 50.5 33.6 50.4#

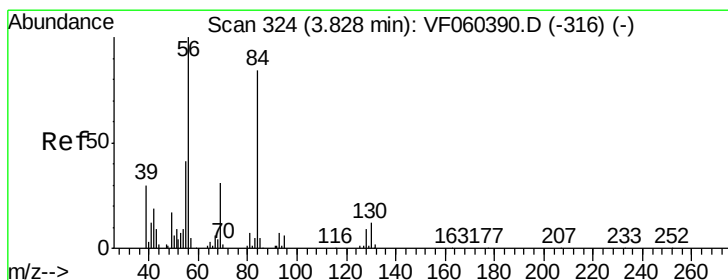
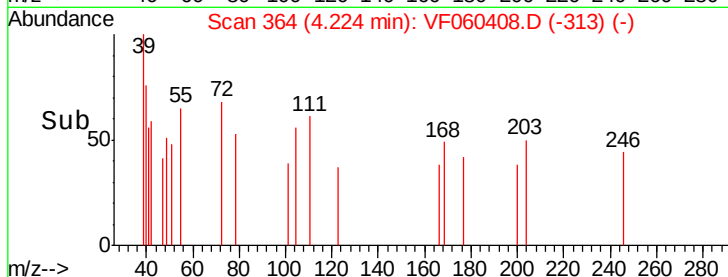
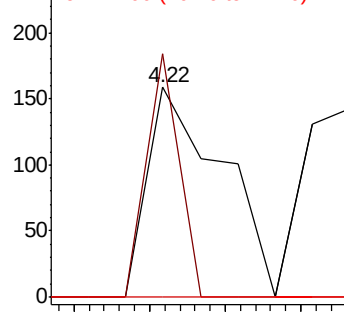
71 0.0 32.7 49.1#



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



#31

Cyclohexane

Concen: 2.923 ug/l

RT: 3.87 min Scan# 328

Delta R.T. 0.04 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

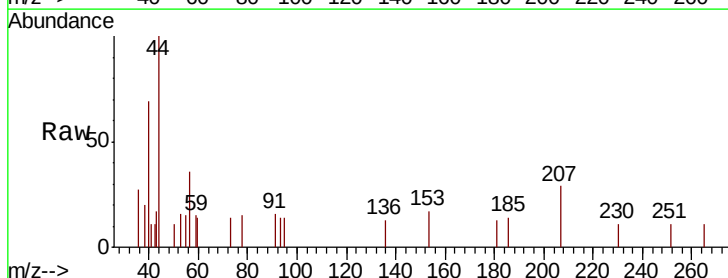
Tgt Ion: 56 Resp: 485

Ion Ratio Lower Upper

56 100

69 0.0 25.5 38.3#

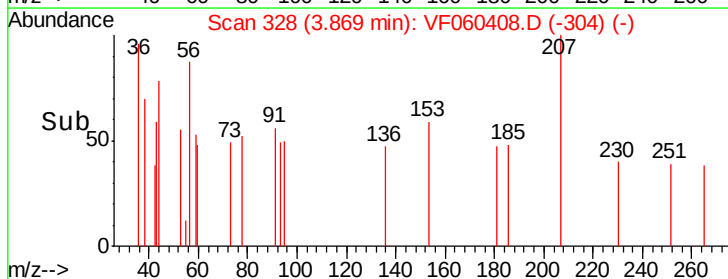
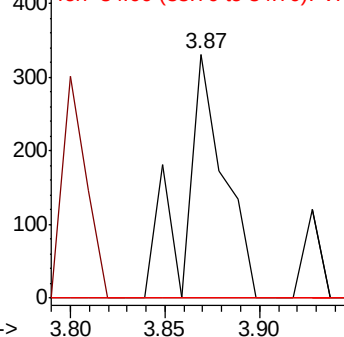
84 0.0 67.4 101.0#

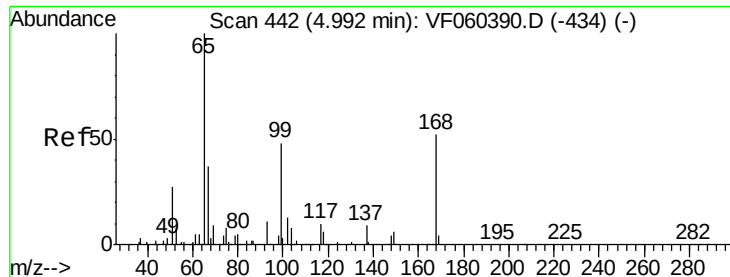


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 11.031 ug/l

RT: 4.98 min Scan# 441

Delta R.T. -0.01 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

Instrument :

MSVOA_F

ClientSampled :

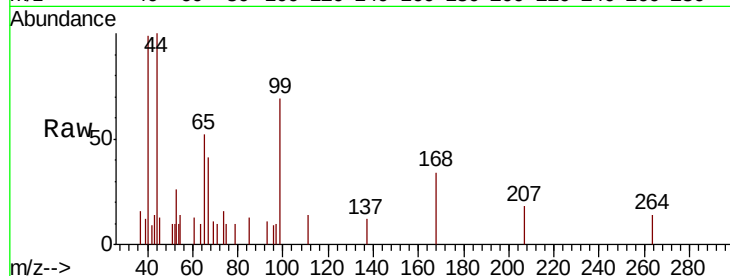
HC-SOIL-4

Tot Ion: 65 Resp: 1672

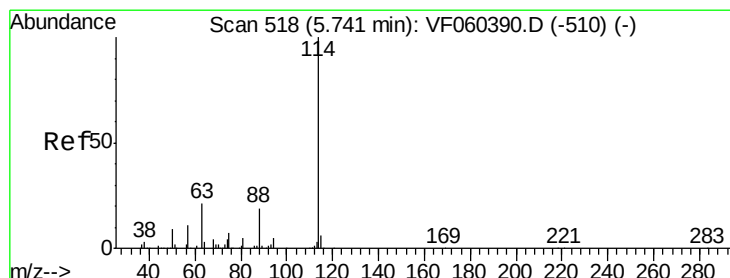
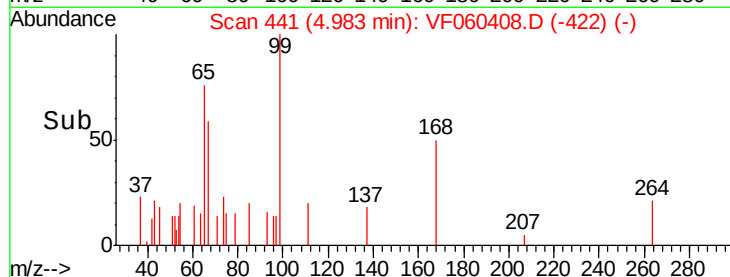
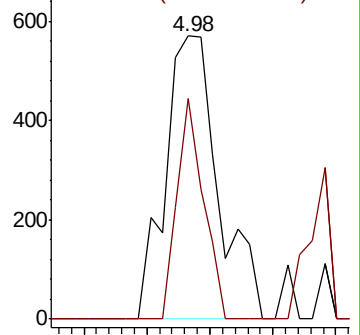
Ion Ratio Lower Upper

65 100

67 78.1 0.0 89.4



Abundance Ion 65.00 (64.70 to 65.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.74 min Scan# 518

Delta R.T. 0.00 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

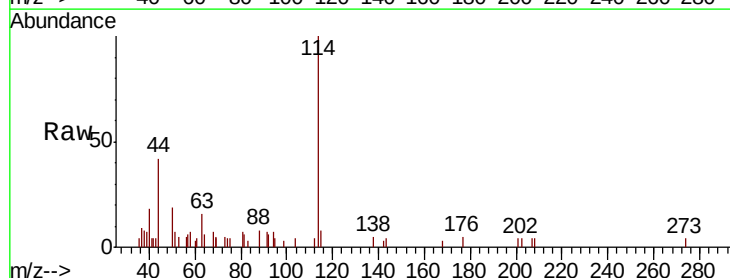
Tgt Ion: 114 Resp: 8601

Ion Ratio Lower Upper

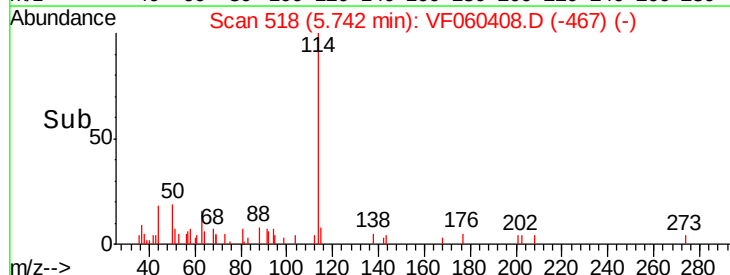
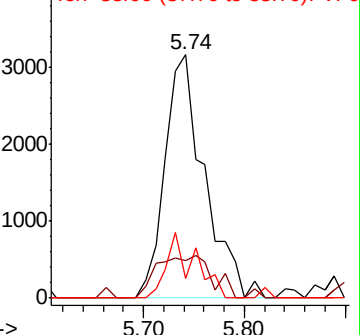
114 100

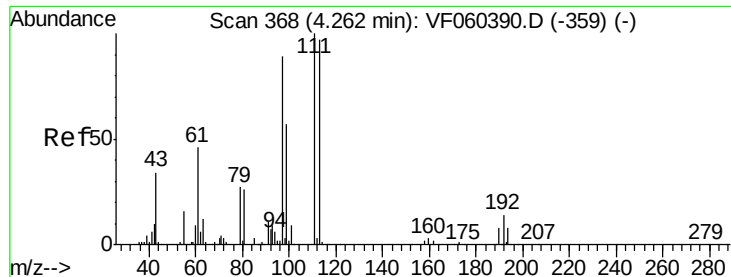
63 15.6 0.0 42.2

88 7.8 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

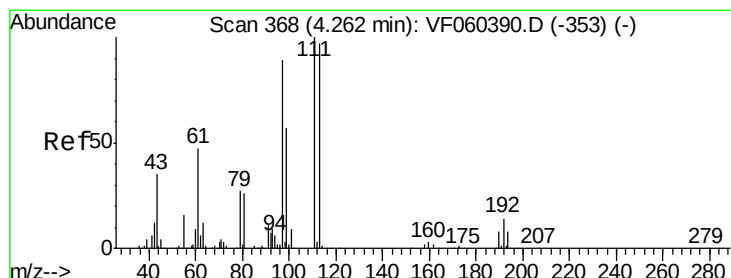
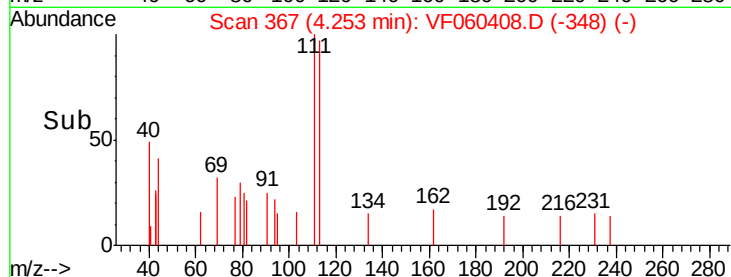
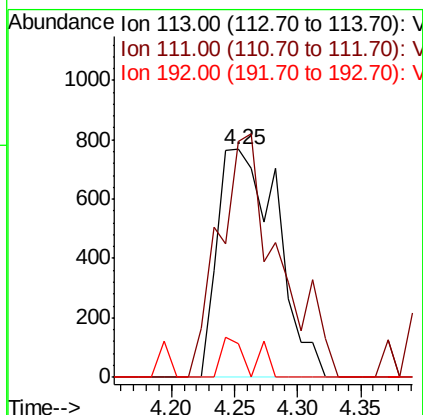
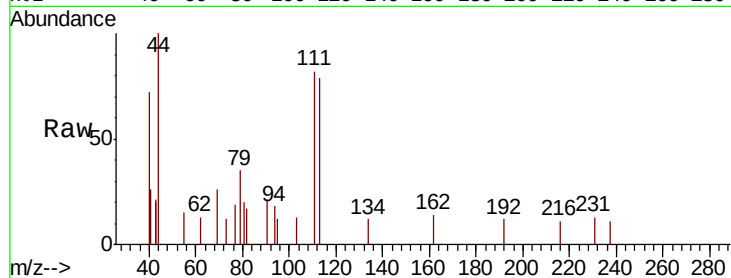




#35
 Dibromofluoromethane
 Concen: 31.596 ug/l
 RT: 4.25 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VF060408.D
 Acq: 2 Oct 2018 18:00

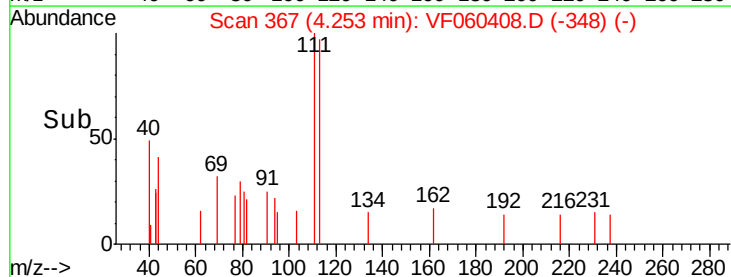
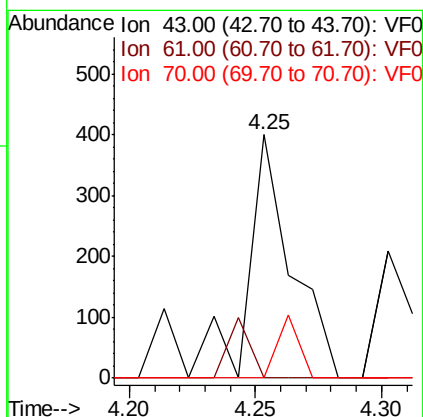
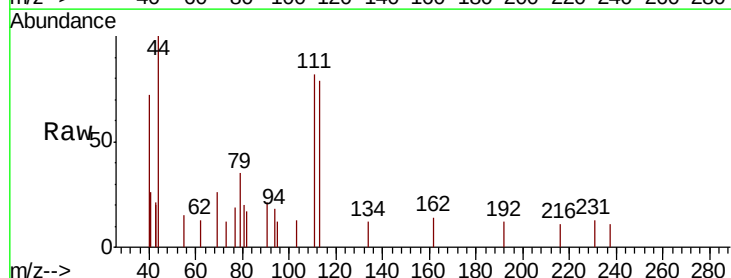
Instrument :
 MSVOA_F
 ClientSampled :
 HC-SOIL-4

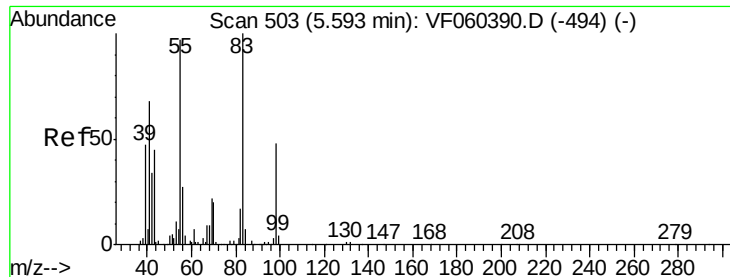
Tot Ion:113 Resp: 2553
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.3 123.5
 192 14.6 11.8 17.6



#37
 Ethyl Acetate
 Concen: 11.869 ug/l
 RT: 4.25 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VF060408.D
 Acq: 2 Oct 2018 18:00

Tgt Ion: 43 Resp: 482
 Ion Ratio Lower Upper
 43 100
 61 0.0 105.1 157.7#
 70 0.0 8.0 12.0#

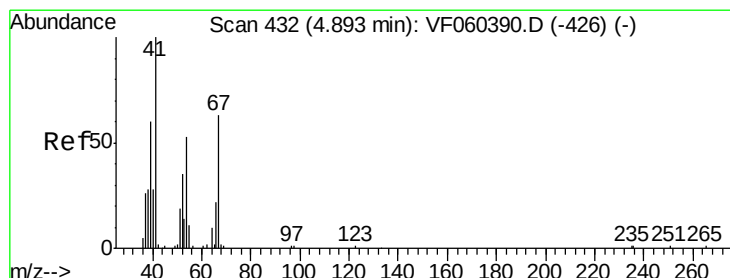
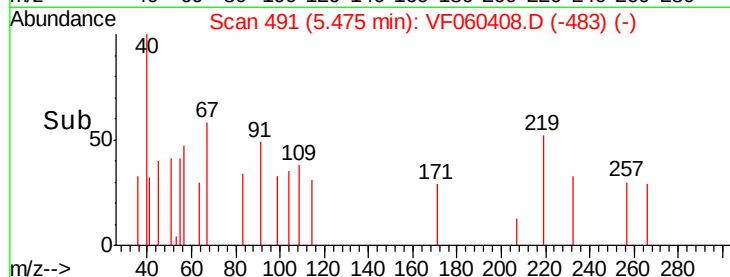
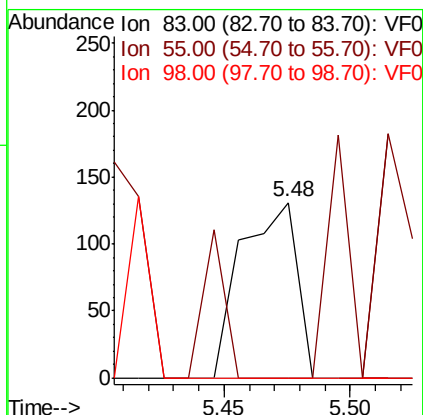
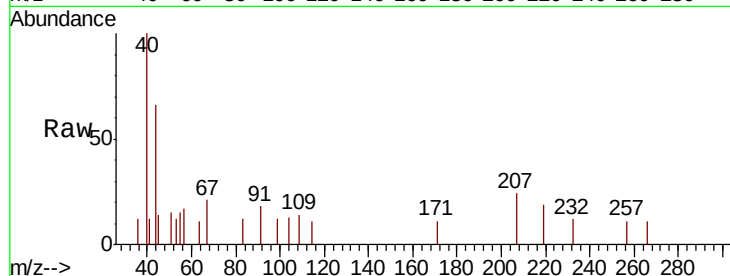




#39
Methylcyclohexane
Concen: 1.943 ug/l
RT: 5.48 min Scan# 491
Delta R.T. -0.12 min
Lab File: VF060408.D
Acq: 2 Oct 2018 18:00

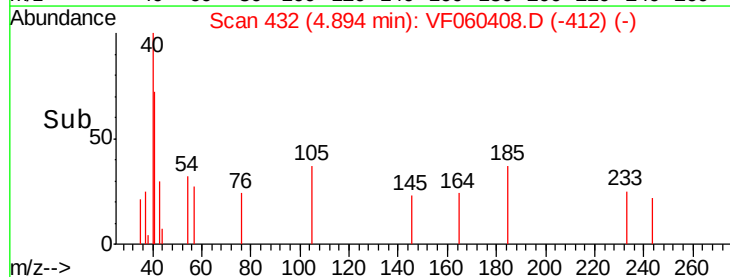
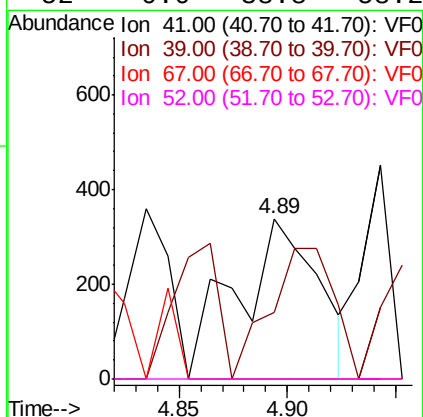
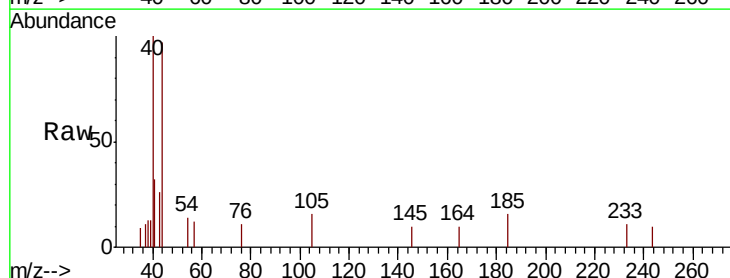
Instrument :
MSVOA_F
ClientSampled :
HC-SOIL-4

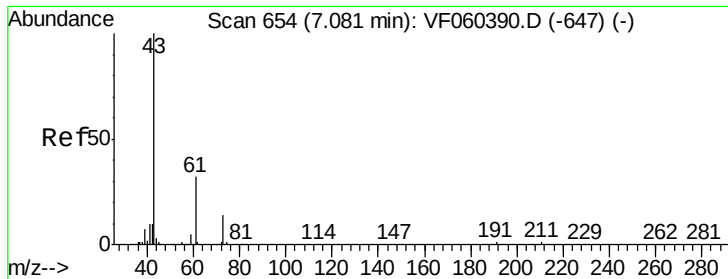
Tot Ion: 83 Resp: 202
Ion Ratio Lower Upper
83 100
55 0.0 77.5 116.3#
98 0.0 38.7 58.1#



#41
Methacrylonitrile
Concen: 41.010 ug/l
RT: 4.89 min Scan# 432
Delta R.T. 0.00 min
Lab File: VF060408.D
Acq: 2 Oct 2018 18:00

Tgt Ion: 41 Resp: 883
Ion Ratio Lower Upper
41 100
39 41.7 55.0 82.4#
67 0.0 49.6 74.4#
52 0.0 38.8 58.2#





#43

Isopropyl Acetate

Concen: 4.035 ug/l

RT: 7.06 min Scan# 652

Delta R.T. -0.02 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

Instrument :

MSVOA_F

ClientSampled :

HC-SOIL-4

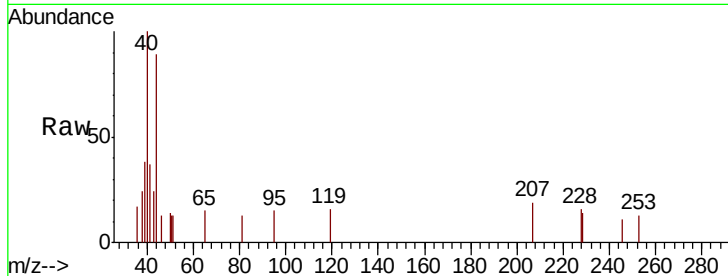
Tot Ion: 43 Resp: 198

Ion Ratio Lower Upper

43 100

61 0.0 25.4 38.2#

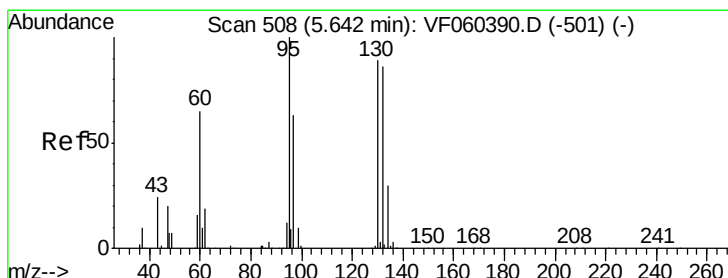
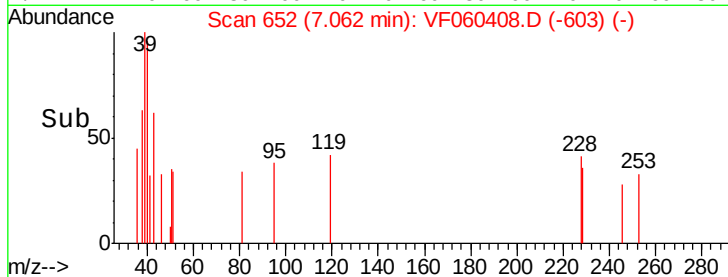
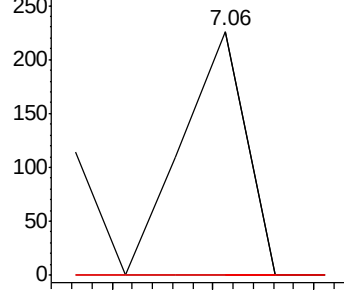
87 0.0 0.3 0.5#



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



#44

Trichloroethene

Concen: 1.895 ug/l

RT: 5.69 min Scan# 513

Delta R.T. 0.05 min

Lab File: VF060408.D

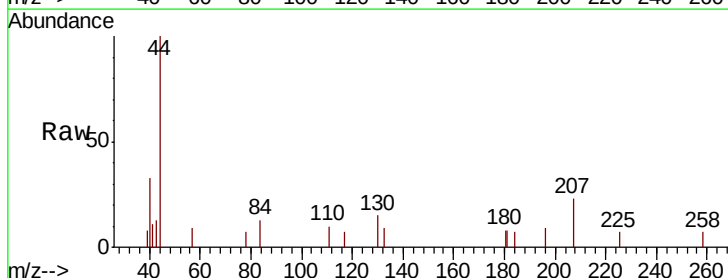
Acq: 2 Oct 2018 18:00

Tgt Ion:130 Resp: 128

Ion Ratio Lower Upper

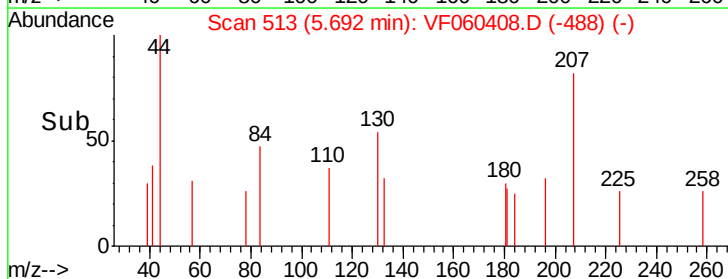
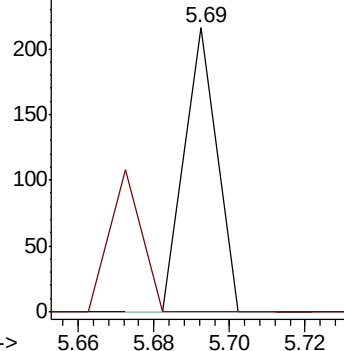
130 100

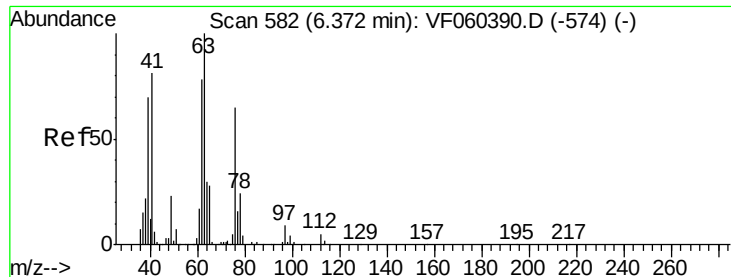
95 0.0 0.0 224.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

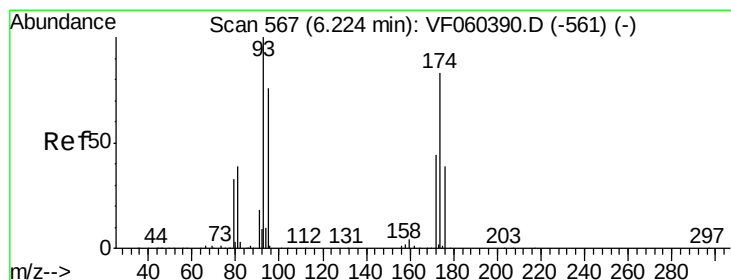
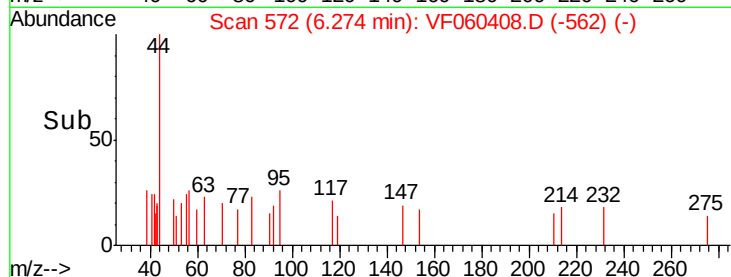
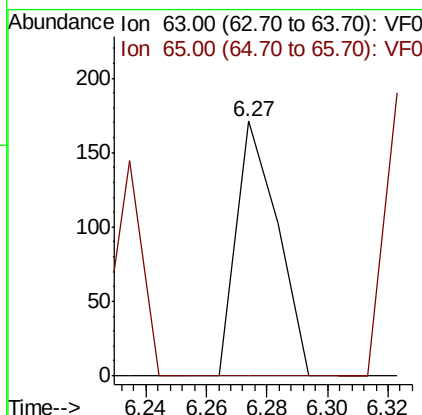
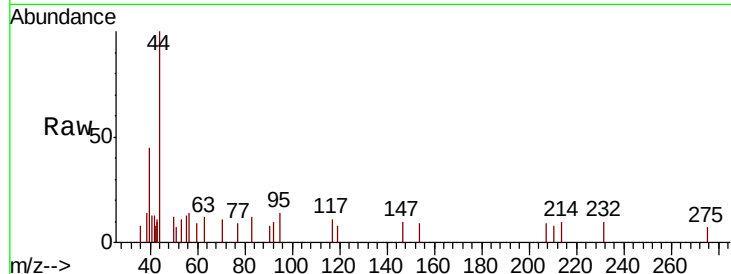




#45
 1,2-Dichloropropane
 Concen: 2.872 ug/l
 RT: 6.27 min Scan# 572
 Delta R.T. -0.10 min
 Lab File: VF060408.D
 Acq: 2 Oct 2018 18:00

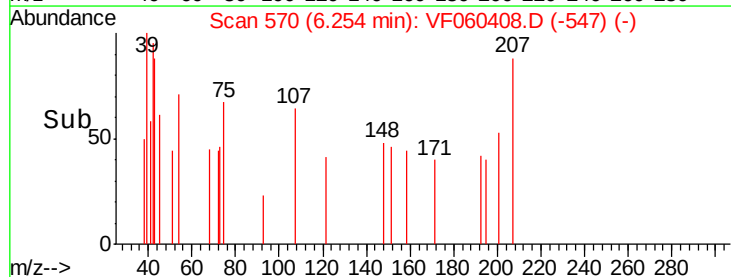
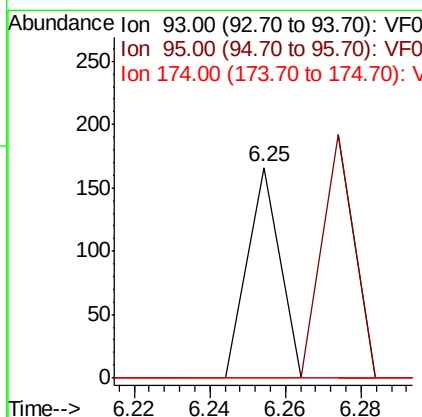
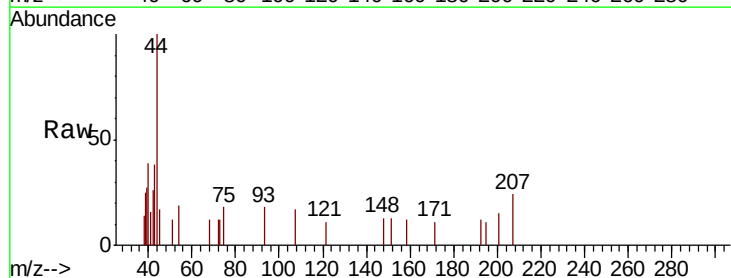
Instrument :
 MSVOA_F
 ClientSampleId :
 HC-SOIL-4

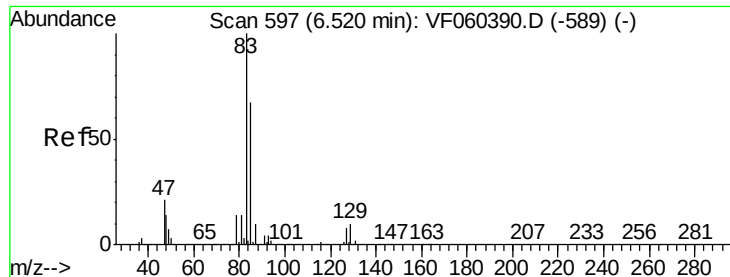
Tot Ion: 63 Resp: 161
 Ion Ratio Lower Upper
 63 100
 65 0.0 22.7 34.1#



#46
 Dibromomethane
 Concen: 2.174 ug/l
 RT: 6.25 min Scan# 570
 Delta R.T. 0.03 min
 Lab File: VF060408.D
 Acq: 2 Oct 2018 18:00

Tgt Ion: 93 Resp: 98
 Ion Ratio Lower Upper
 93 100
 95 0.0 61.1 91.7#
 174 0.0 66.7 100.1#





#47

Bromodichloromethane

Concen: 1.577 ug/l

RT: 6.55 min Scan# 600

Delta R.T. 0.03 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

Instrument :

MSVOA_F

ClientSampleId :

HC-SOIL-4

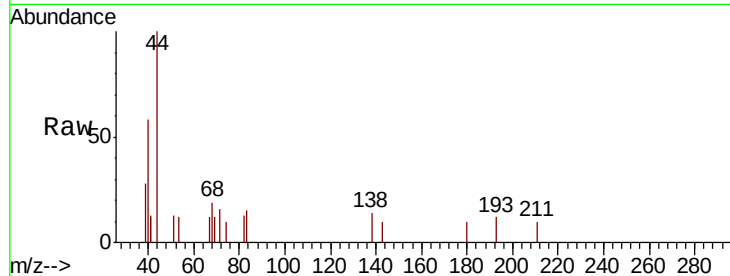
Tot Ion: 83 Resp: 176

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

6.55

150

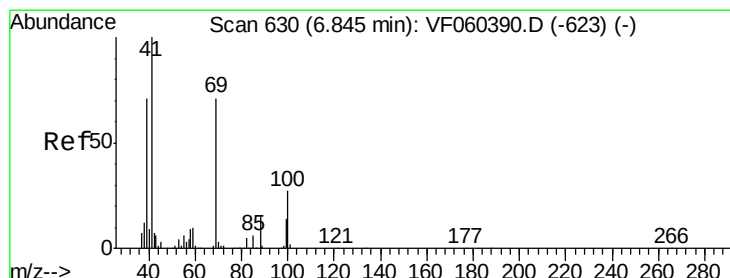
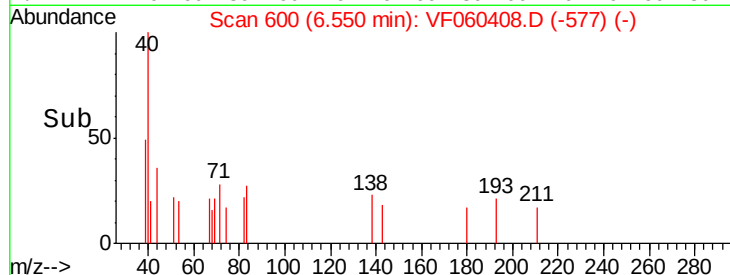
100

50

0

6.52 6.54 6.56 6.58

Time-->



#48

Methyl methacrylate

Concen: 7.097 ug/l

RT: 6.84 min Scan# 629

Delta R.T. -0.01 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

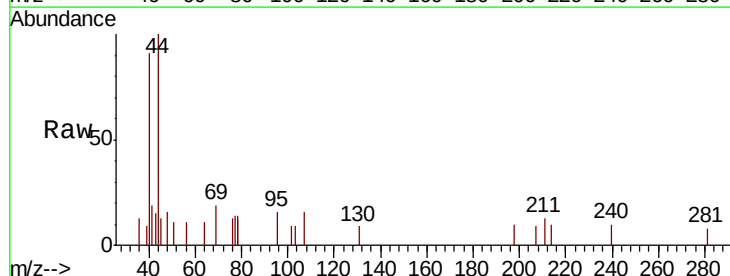
Tgt Ion: 41 Resp: 250

Ion Ratio Lower Upper

41 100

69 95.3 56.3 84.5#

39 44.4 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

400

300

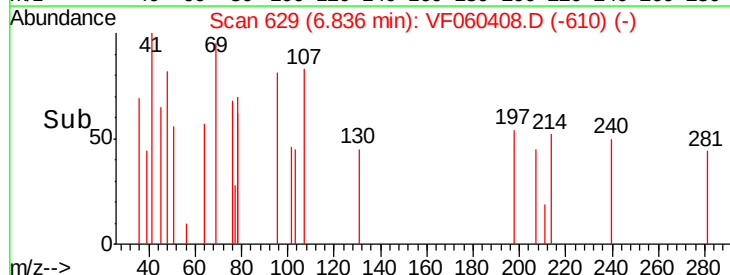
200

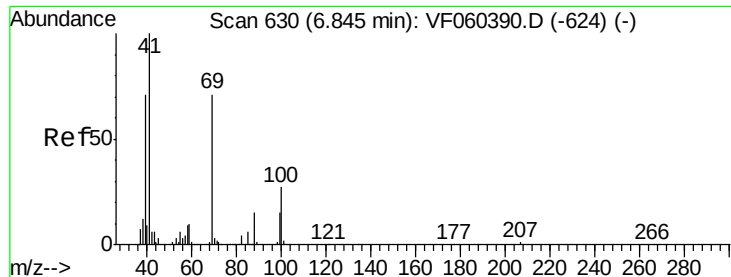
100

0

6.82 6.84

Time-->





#49

1,4-Dioxane

Concen: 237.048 ug/l

RT: 6.68 min Scan# 613

Delta R.T. -0.17 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

Instrument :

MSVOA_F

ClientSampled :

HC-SOIL-4

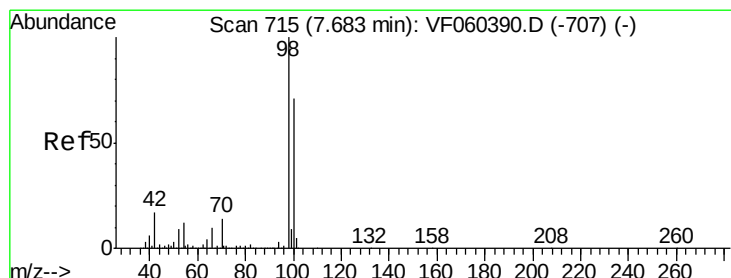
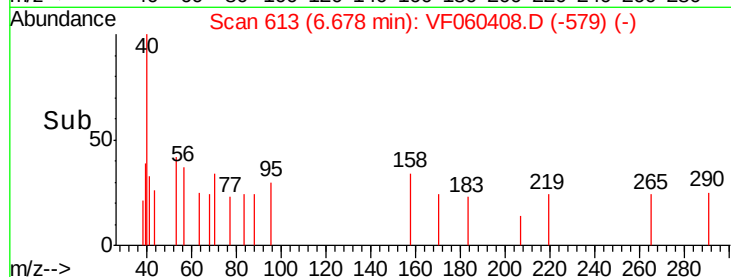
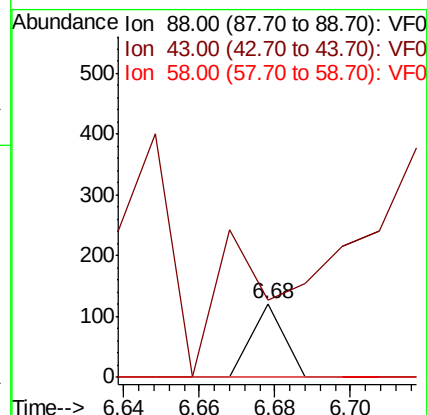
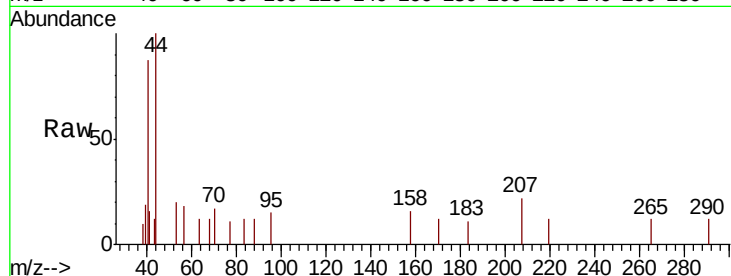
Tot Ion: 88 Resp: 72

Ion Ratio Lower Upper

88 100

43 105.8 38.3 57.5#

58 0.0 47.4 71.2#



#50

Toluene-d8

Concen: 37.463 ug/l

RT: 7.68 min Scan# 715

Delta R.T. 0.00 min

Lab File: VF060408.D

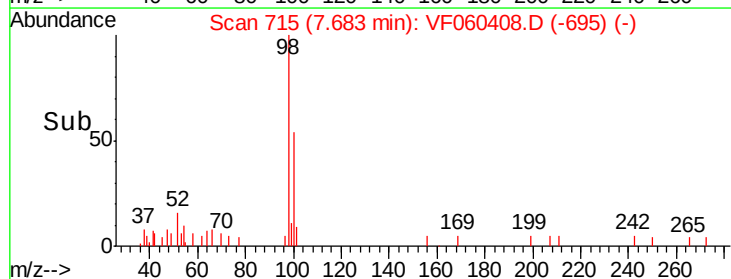
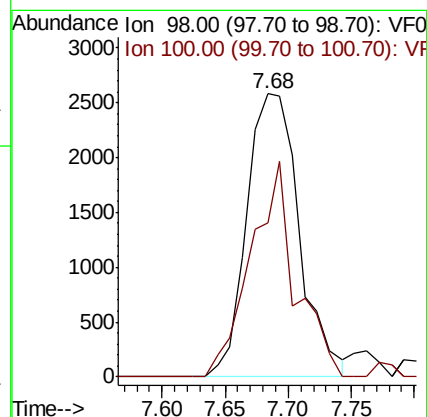
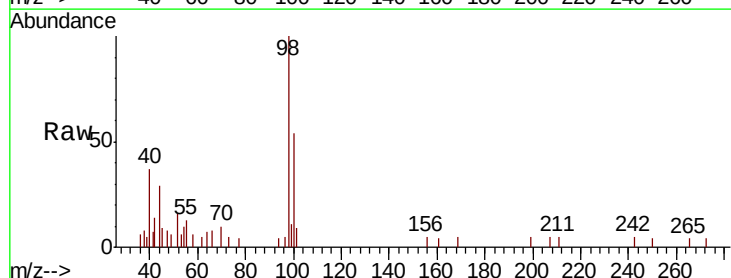
Acq: 2 Oct 2018 18:00

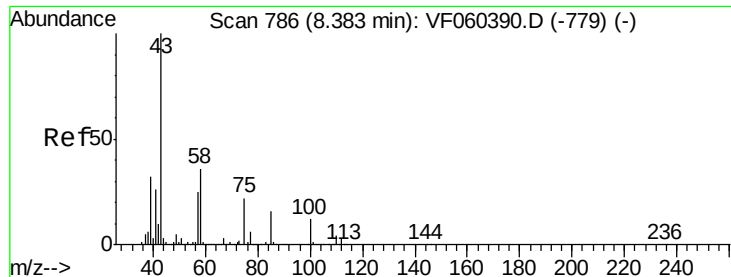
Tgt Ion: 98 Resp: 7455

Ion Ratio Lower Upper

98 100

100 54.4 56.5 84.7#





#51

4-Methyl-2-Pentanone

Concen: 9.218 ug/l

RT: 8.35 min Scan# 783

Delta R.T. -0.03 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

Instrument :

MSVOA_F

ClientSampled :

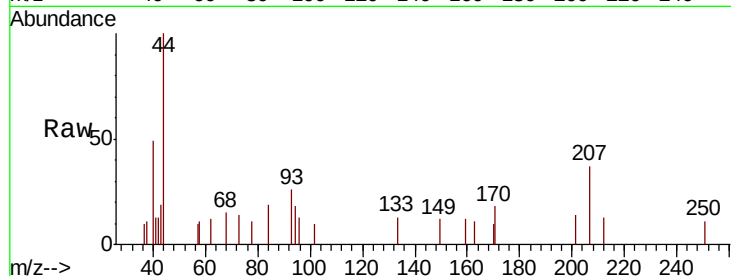
HC-SOIL-4

Tot Ion: 43 Resp: 322

Ion Ratio Lower Upper

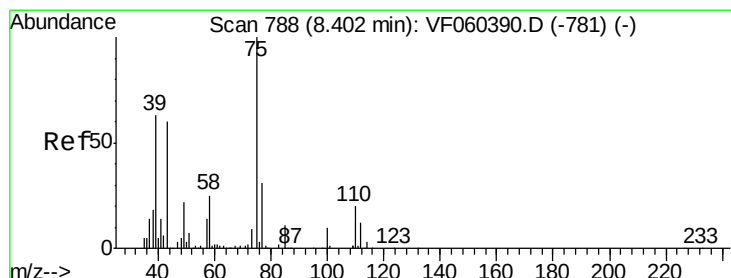
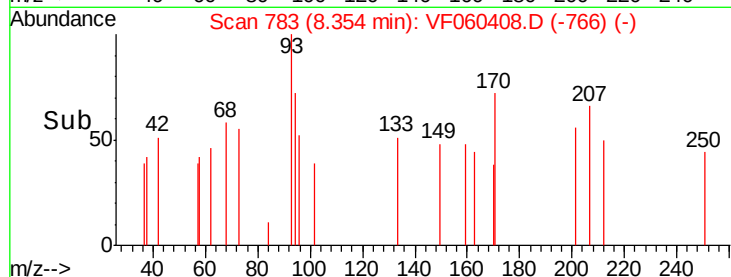
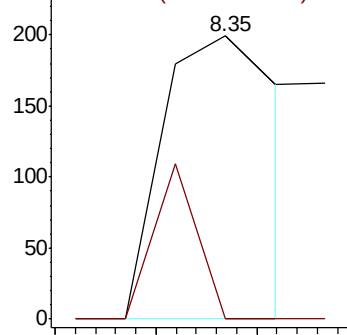
43 100

58 0.0 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#53

t-1,3-Dichloropropene

Concen: 1.086 ug/l

RT: 8.46 min Scan# 794

Delta R.T. 0.06 min

Lab File: VF060408.D

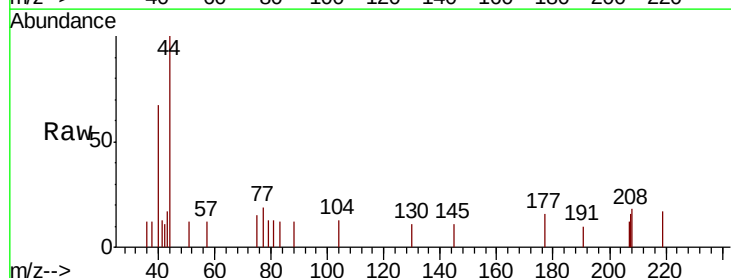
Acq: 2 Oct 2018 18:00

Tgt Ion: 75 Resp: 95

Ion Ratio Lower Upper

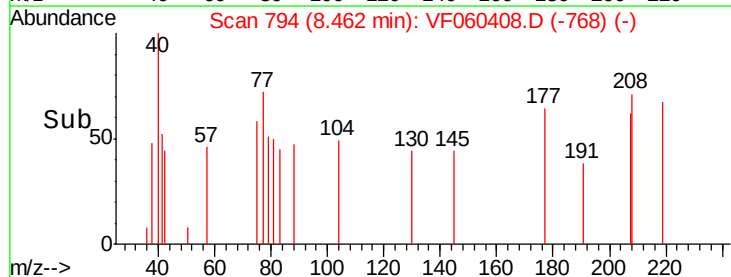
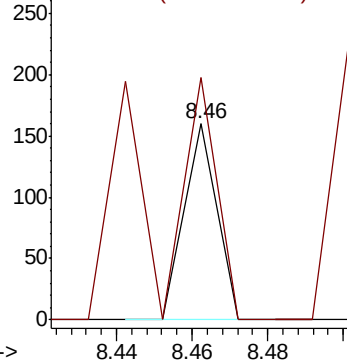
75 100

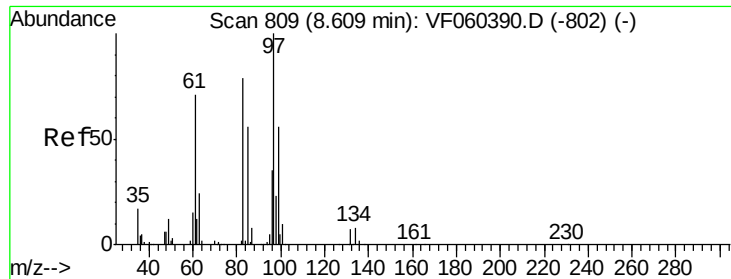
77 123.8 24.6 36.8#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#55

1,1,2-Trichloroethane

Concen: 1.412 ug/l

RT: 8.56 min Scan# 804

Delta R.T. -0.05 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

Instrument :

MSVOA_F

ClientSampled :

HC-SOIL-4

Tot Ion: 97 Resp: 64

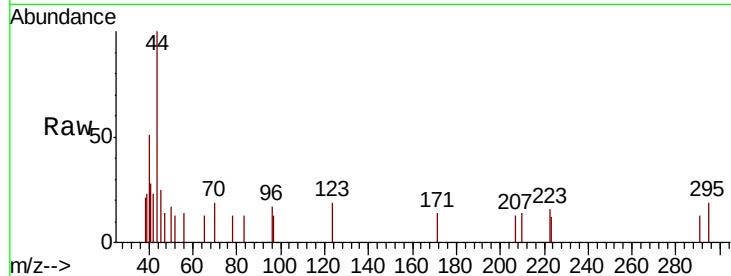
Ion Ratio Lower Upper

97 100

83 96.3 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

300

250

200

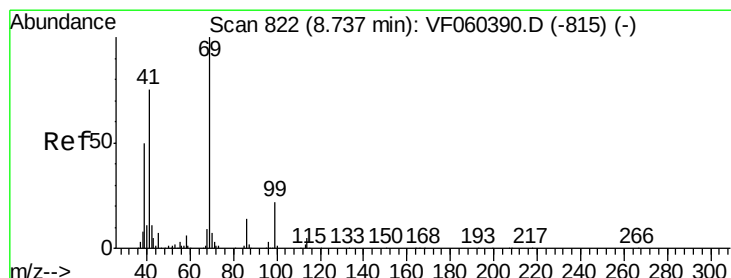
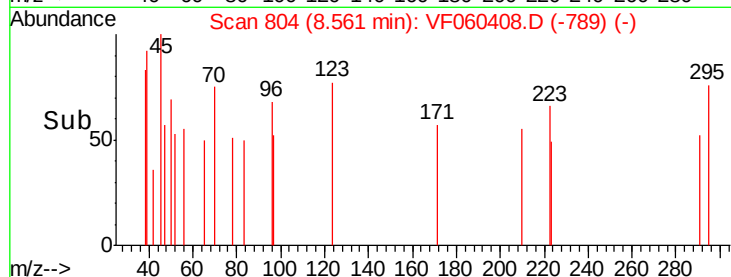
150

100

50

0

Time-->



#56

Ethyl methacrylate

Concen: 1.359 ug/l

RT: 8.74 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

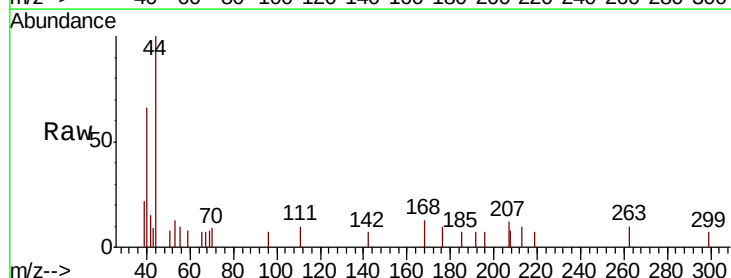
Tgt Ion: 69 Resp: 70

Ion Ratio Lower Upper

69 100

41 0.0 60.2 90.4#

39 268.1 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

400

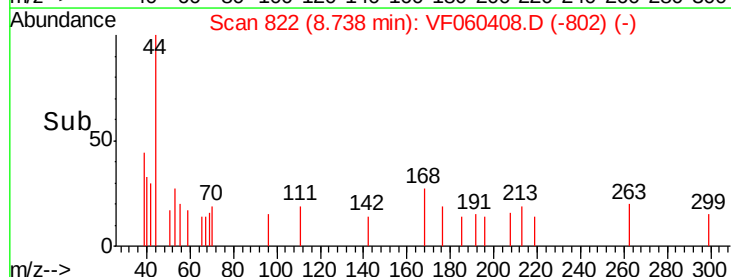
300

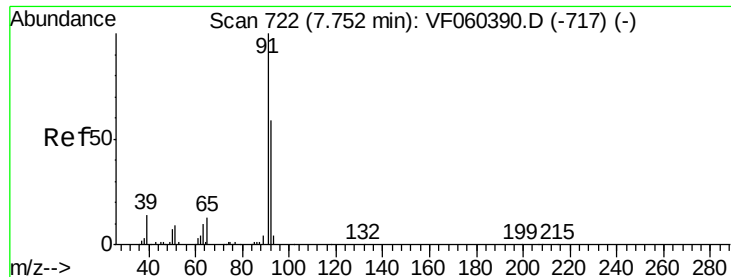
200

100

0

Time-->

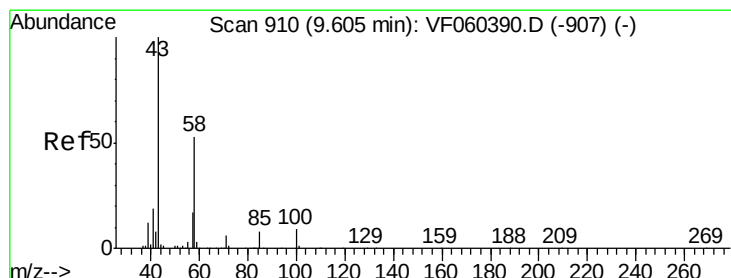
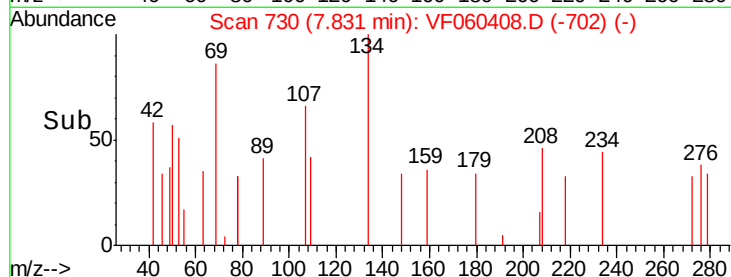
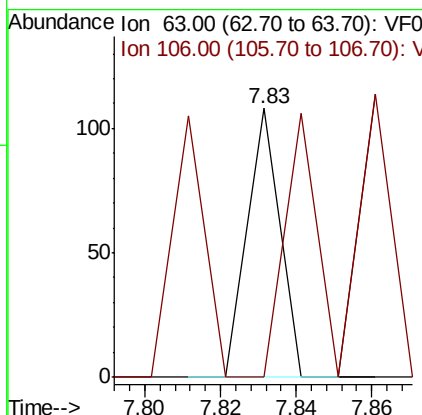
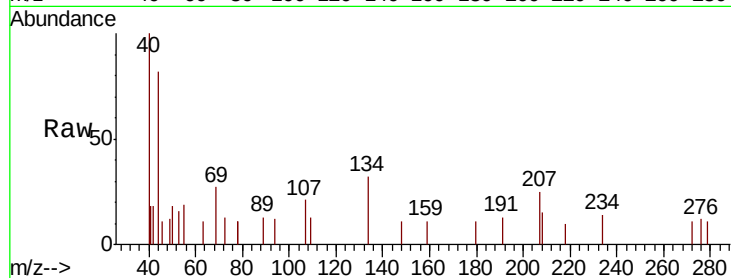




#58
2-Chloroethyl Vinyl ether
Concen: 12.166 ug/l
RT: 7.83 min Scan# 730
Delta R.T. 0.08 min
Lab File: VF060408.D
Acq: 2 Oct 2018 18:00

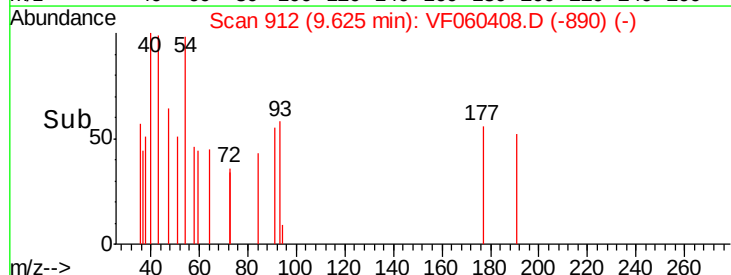
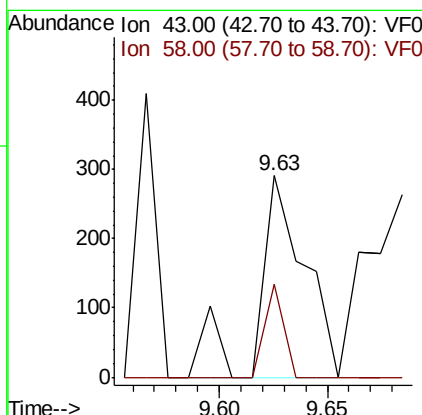
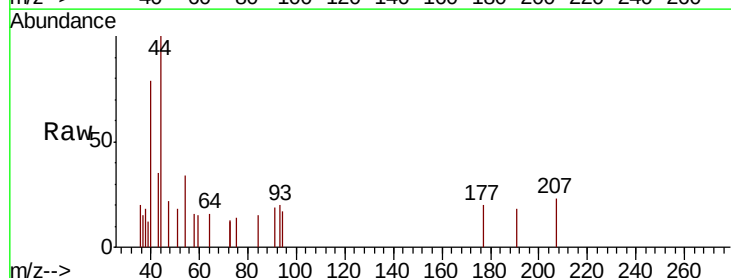
Instrument :
MSVOA_F
ClientSampleId :
HC-SOIL-4

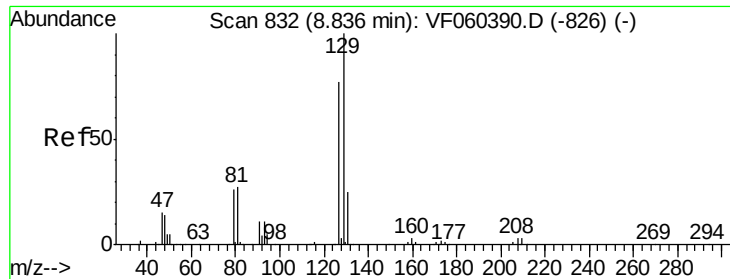
Tot Ion: 63 Resp: 64
Ion Ratio Lower Upper
63 100
106 0.0 0.0 0.0



#59
2-Hexanone
Concen: 16.470 ug/l
RT: 9.63 min Scan# 912
Delta R.T. 0.02 min
Lab File: VF060408.D
Acq: 2 Oct 2018 18:00

Tgt Ion: 43 Resp: 422
Ion Ratio Lower Upper
43 100
58 46.0 25.6 76.6





#60

Dibromochloromethane

Concen: 1.304 ug/l

RT: 8.87 min Scan# 835

Delta R.T. 0.03 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

Instrument :

MSVOA_F

ClientSampled :

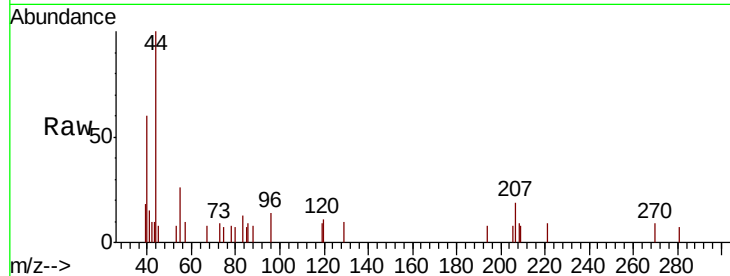
HC-SOIL-4

Tot Ion:129 Resp: 89

Ion Ratio Lower Upper

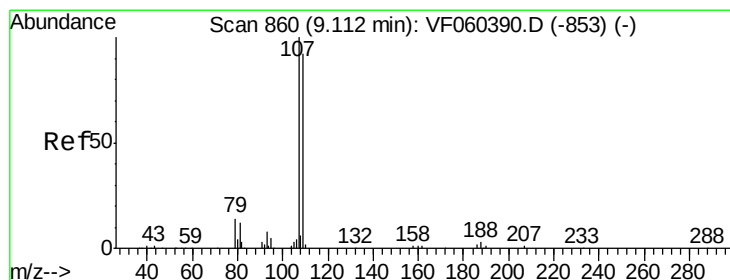
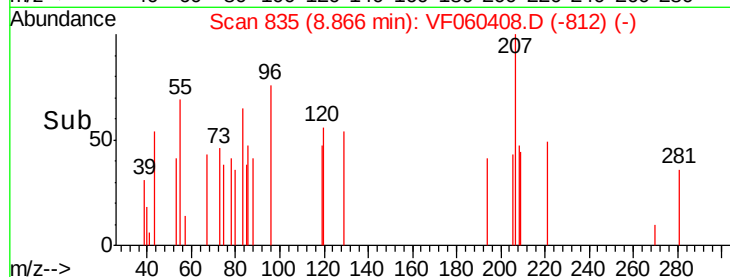
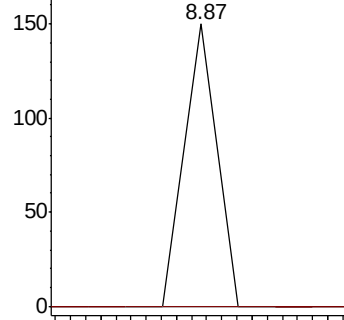
129 100

127 0.0 38.3 114.8#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#61

1,2-Dibromoethane

Concen: 1.472 ug/l

RT: 9.05 min Scan# 854

Delta R.T. -0.06 min

Lab File: VF060408.D

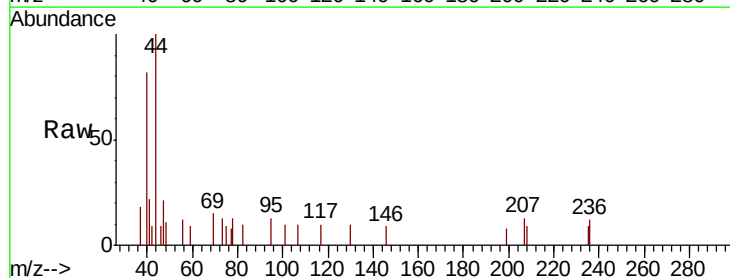
Acq: 2 Oct 2018 18:00

Tgt Ion:107 Resp: 73

Ion Ratio Lower Upper

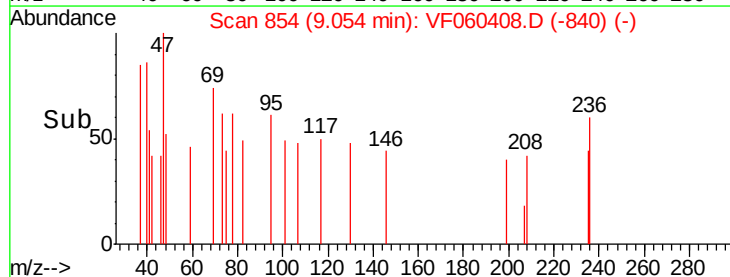
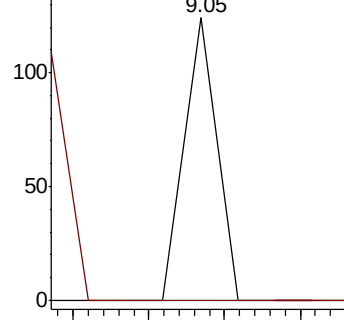
107 100

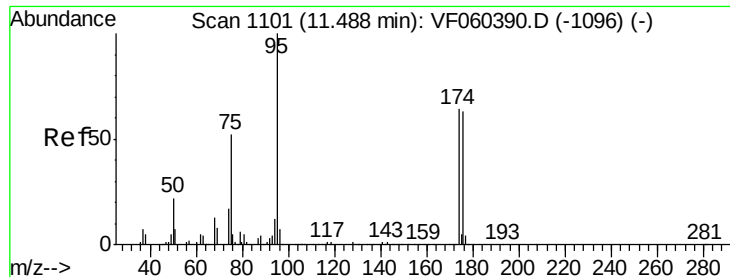
109 0.0 73.7 110.5#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#62

4-Bromofluorobenzene

Concen: 1.794 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

Instrument :

MSVOA_F

ClientSampled :

HC-SOIL-4

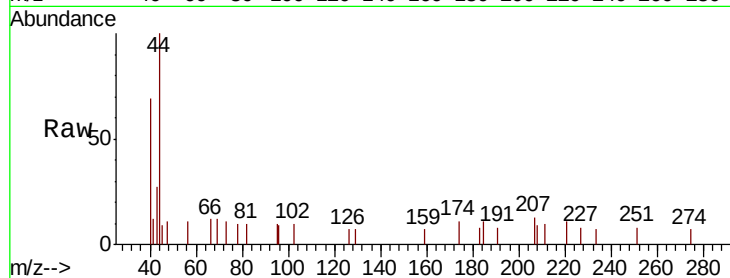
Tot Ion: 95 Resp: 163

Ion Ratio Lower Upper

95 100

174 107.6 0.0 129.0

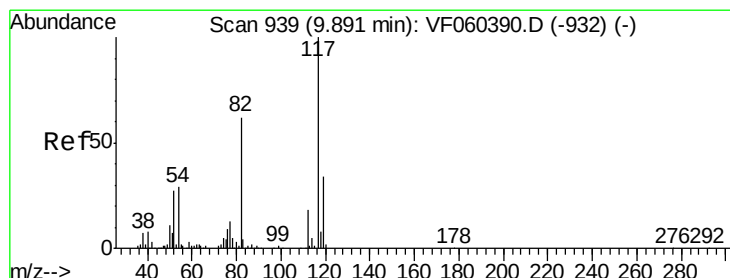
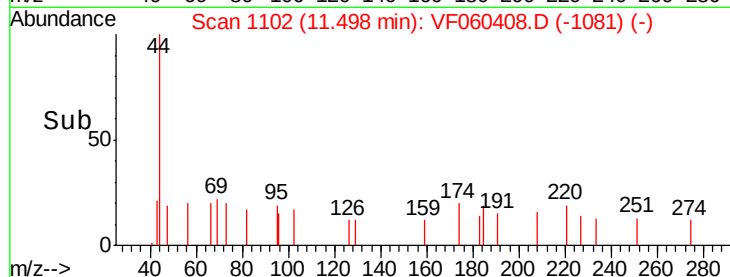
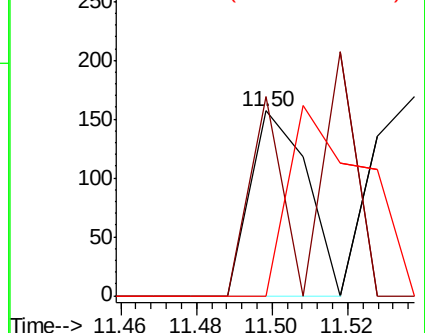
176 0.0 0.0 125.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.01 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

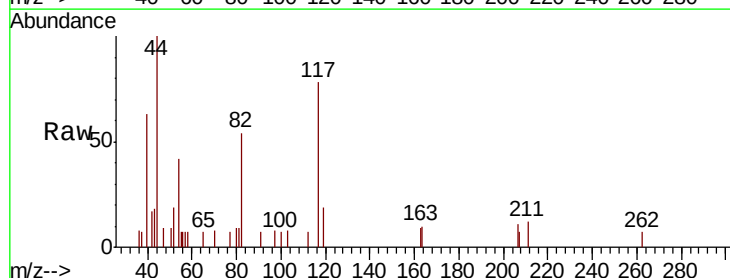
Tgt Ion: 117 Resp: 2829

Ion Ratio Lower Upper

117 100

82 69.0 49.5 74.3

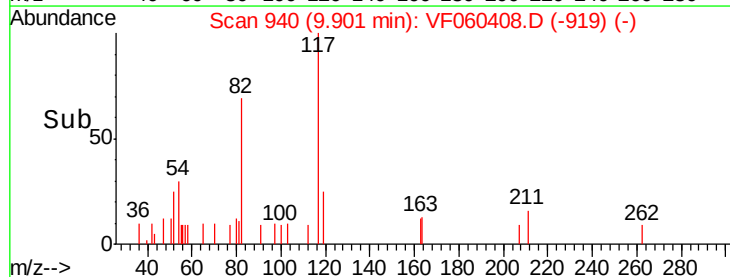
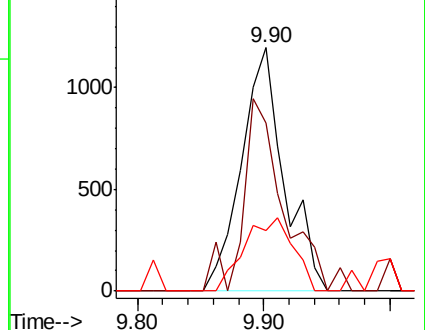
119 25.1 27.0 40.6#

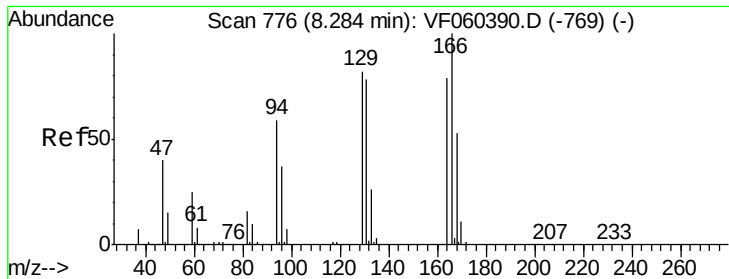


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#64

Tetrachloroethene

Concen: 3.869 ug/l

RT: 8.22 min Scan# 769

Delta R.T. -0.07 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

Instrument :

MSVOA_F

ClientSampleId :

HC-SOIL-4

Tot Ion:164 Resp: 87

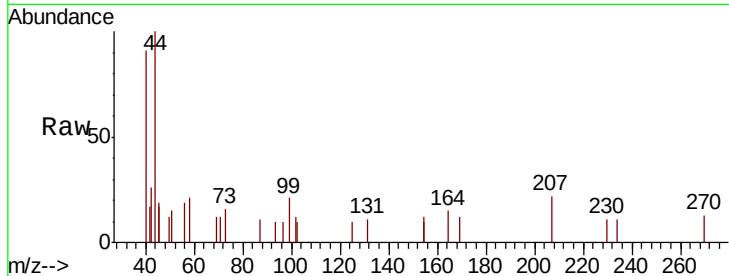
Ion Ratio Lower Upper

164 100

166 0.0 101.0 151.6#

129 0.0 82.5 123.7#

131 70.7 79.2 118.8#



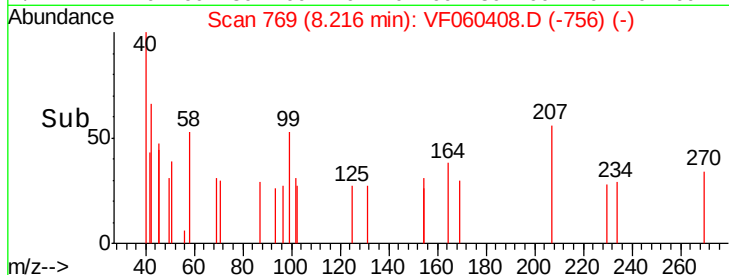
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

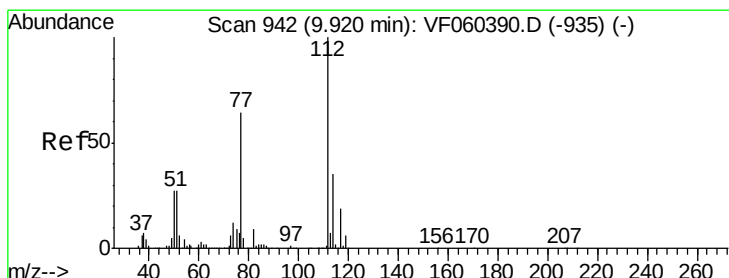
Ion 130.90 (130.60 to 131.60): V

Time-->



Abundance

Time-->



#65

Chlorobenzene

Concen: 2.099 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.02 min

Lab File: VF060408.D

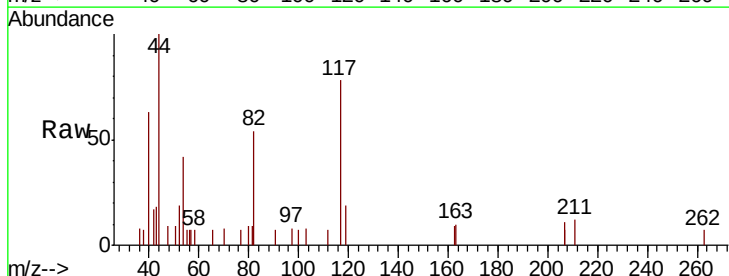
Acq: 2 Oct 2018 18:00

Tgt Ion:112 Resp: 122

Ion Ratio Lower Upper

112 100

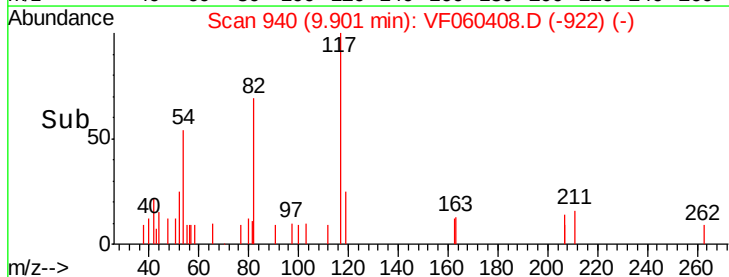
114 0.0 27.7 41.5#



Abundance Ion 112.00 (111.70 to 112.70): V

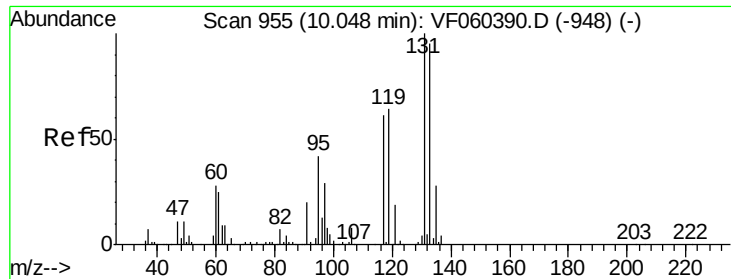
Ion 114.00 (113.70 to 114.70): V

Time-->



Abundance

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 3.547 ug/l

RT: 10.09 min Scan# 959

Delta R.T. 0.04 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

Instrument :

MSVOA_F

ClientSampled :

HC-SOIL-4

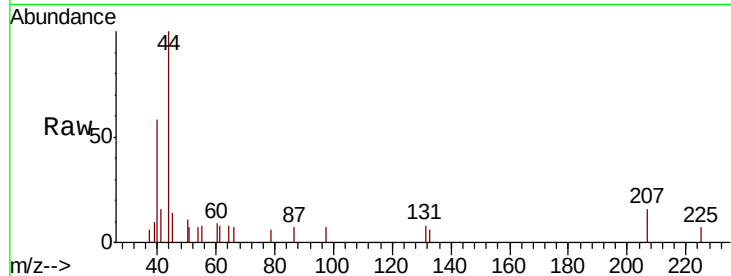
Tot Ion:131 Resp: 90

Ion Ratio Lower Upper

131 100

133 69.1 47.3 141.8

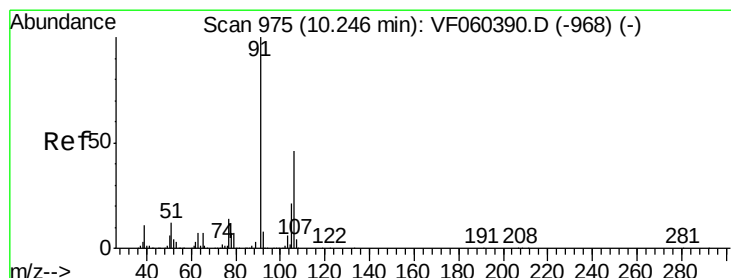
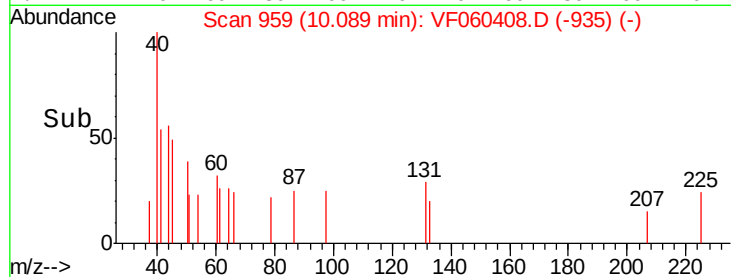
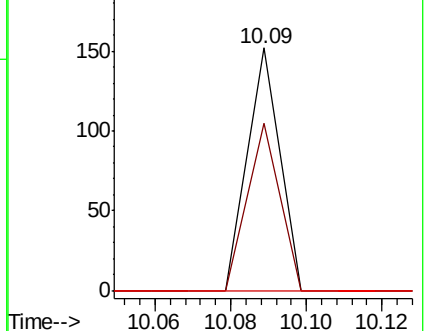
119 0.0 32.3 96.9#



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



#68

m/p-Xylenes

Concen: 2.027 ug/l

RT: 10.31 min Scan# 981

Delta R.T. 0.06 min

Lab File: VF060408.D

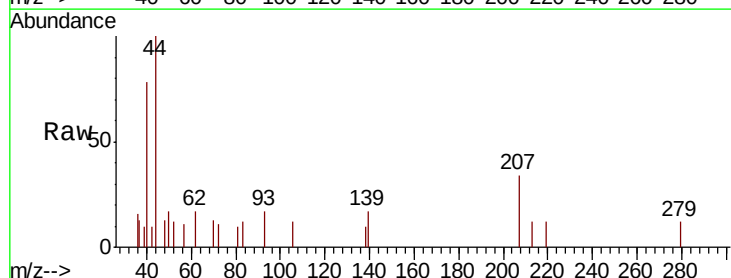
Acq: 2 Oct 2018 18:00

Tgt Ion:106 Resp: 77

Ion Ratio Lower Upper

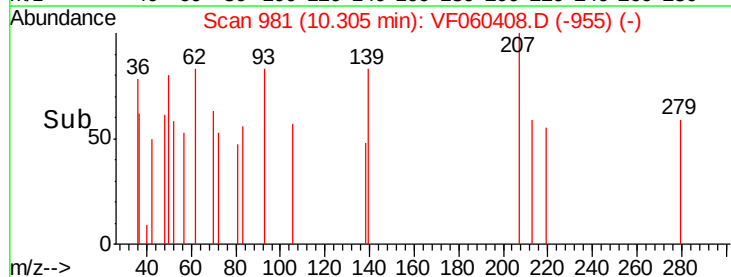
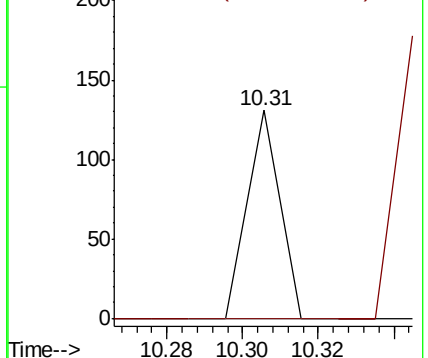
106 100

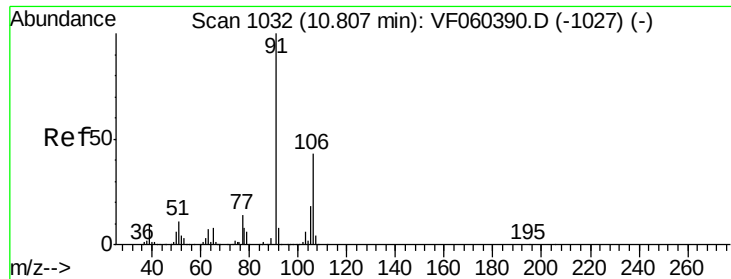
91 0.0 175.0 262.6#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

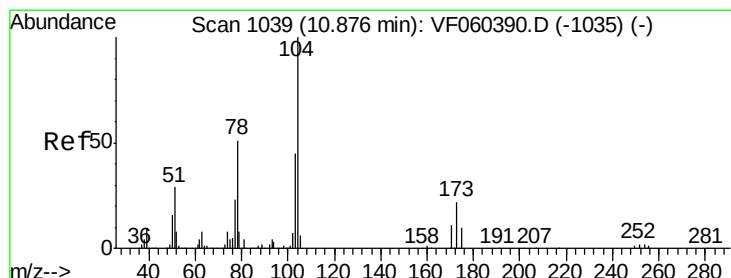
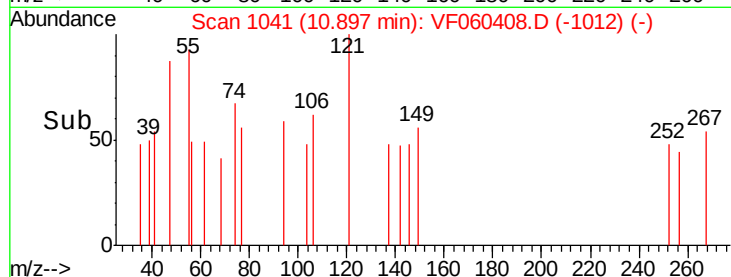
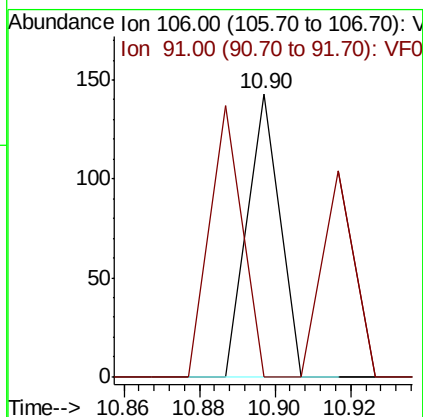
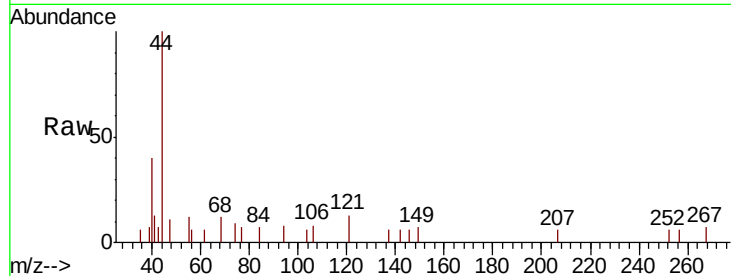




#69
o-Xylene
Concen: 2.053 ug/l
RT: 10.90 min Scan# 1041
Delta R.T. 0.09 min
Lab File: VF060408.D
Acq: 2 Oct 2018 18:00

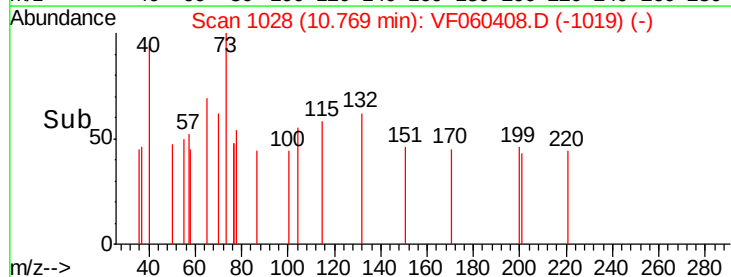
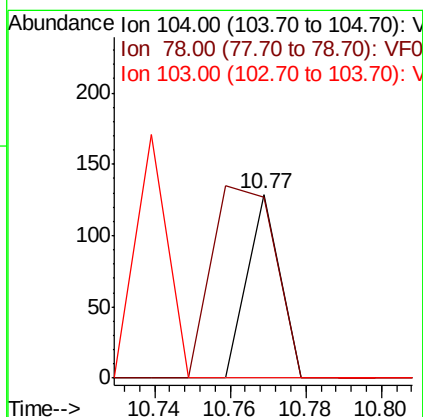
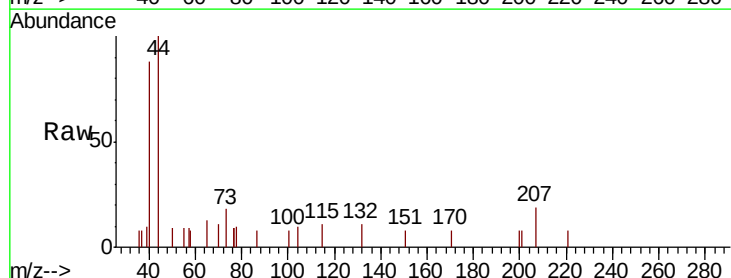
Instrument :
MSVOA_F
ClientSampled :
HC-SOIL-4

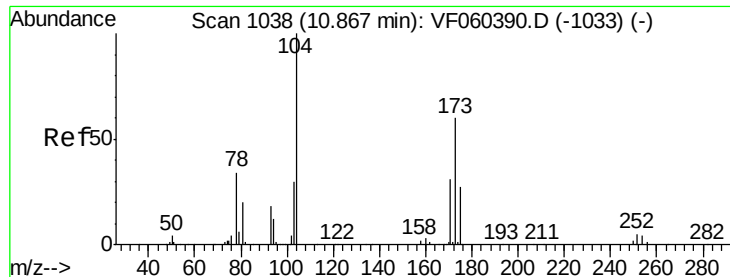
Tot Ion:106 Resp: 85
Ion Ratio Lower Upper
106 100
91 0.0 115.1 345.2#



#70
Styrene
Concen: 1.290 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.11 min
Lab File: VF060408.D
Acq: 2 Oct 2018 18:00

Tgt Ion:104 Resp: 76
Ion Ratio Lower Upper
104 100
78 98.4 41.0 61.4#
103 0.0 36.4 54.6#





#71

Bromoform

Concen: 4.515 ug/l

RT: 11.00 min Scan# 1051

Delta R.T. 0.13 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

Instrument :

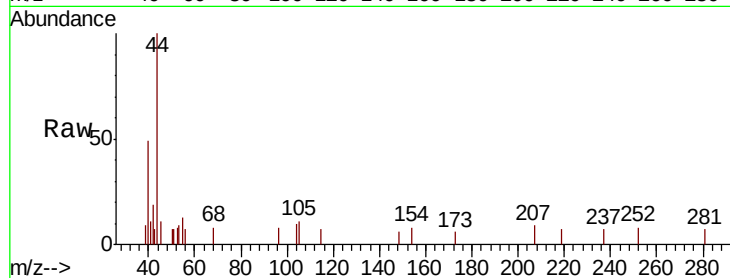
MSVOA_F

ClientSampled :

HC-SOIL-4

Tot Ion:173 Resp: 61

Ion	Ratio	Lower	Upper
173	100		
175	0.0	22.1	66.1#
254	0.0	0.0	0.0



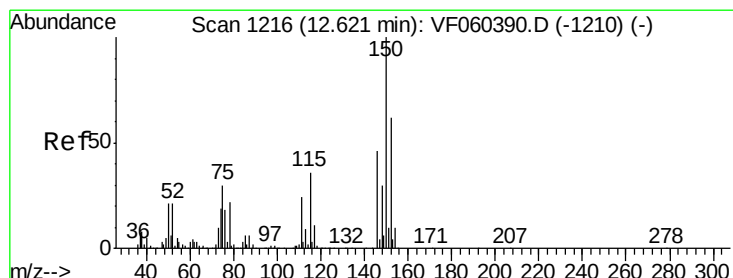
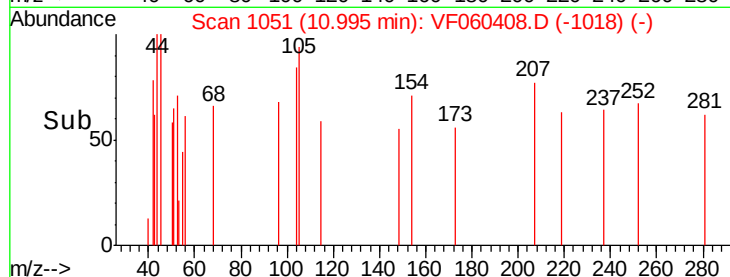
Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

11.00

Time--> 10.96 10.98 11.00 11.02



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1217

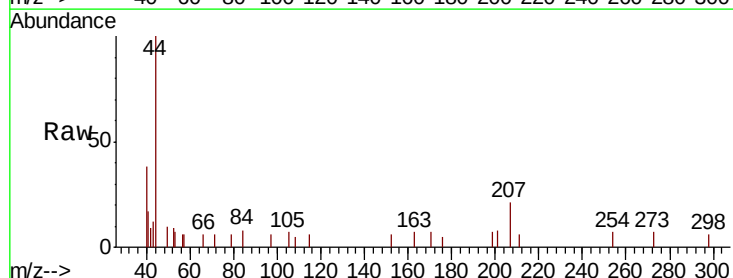
Delta R.T. 0.01 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

Tgt Ion:152 Resp: 75

Ion	Ratio	Lower	Upper
152	100		
115	97.6	28.6	85.8#
150	0.0	0.0	324.6



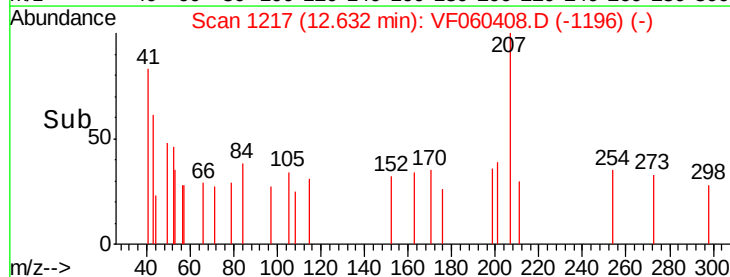
Abundance Ion 152.00 (151.70 to 152.70): V

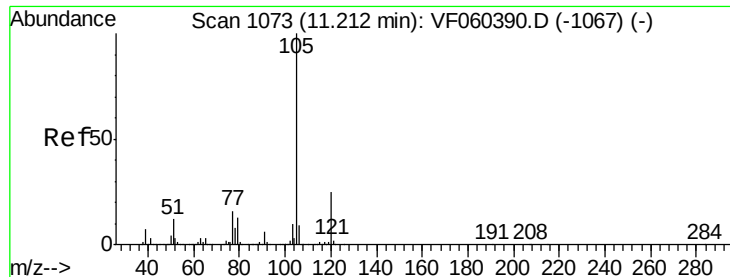
Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

12.63

Time--> 12.60 12.62 12.64 12.66





#73

Isopropylbenzene

Concen: 10.499 ug/l

RT: 11.26 min Scan# 1078

Delta R.T. 0.05 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

Instrument :

MSVOA_F

ClientSampled :

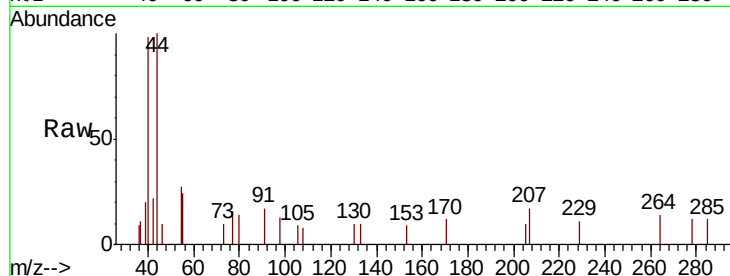
HC-SOIL-4

Tot Ion:105 Resp: 62

Ion Ratio Lower Upper

105 100

120 0.0 12.3 36.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.26

100

80

60

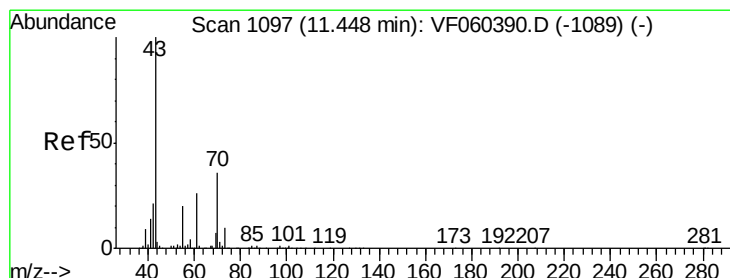
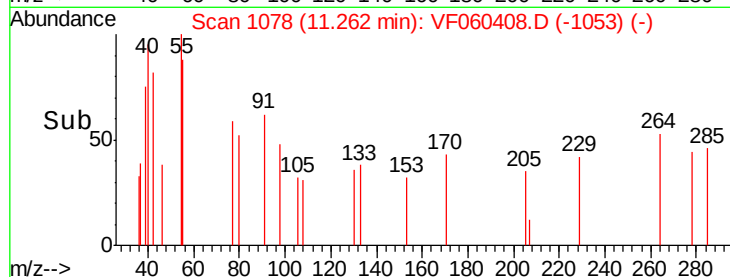
40

20

0

11.24 11.26 11.28

Time-->



#74

N-ethyl acetate

Concen: 594.702 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. -0.03 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

Tgt Ion: 43 Resp: 806

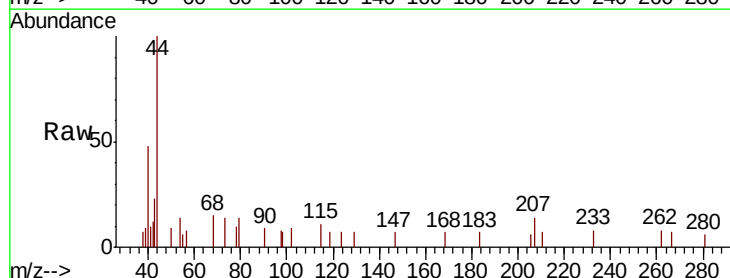
Ion Ratio Lower Upper

43 100

70 0.0 29.1 43.7#

55 28.7 16.3 24.5#

61 0.0 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

500

400

300

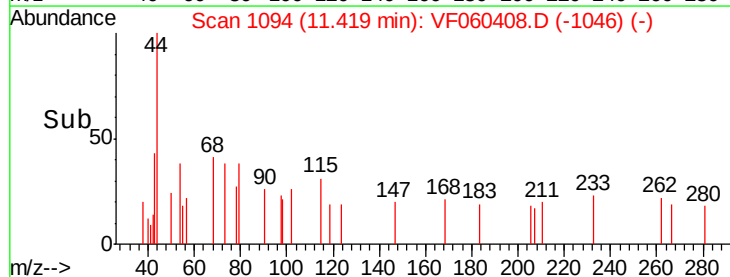
200

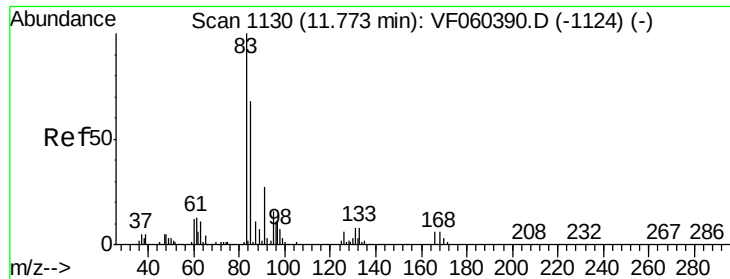
100

0

11.40 11.42 11.44 11.46

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 74.306 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. 0.10 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

Instrument :

MSVOA_F

ClientSampled :

HC-SOIL-4

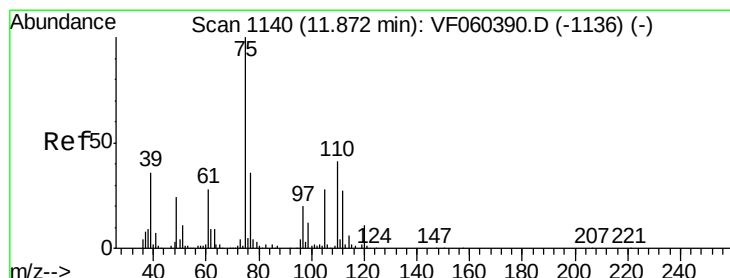
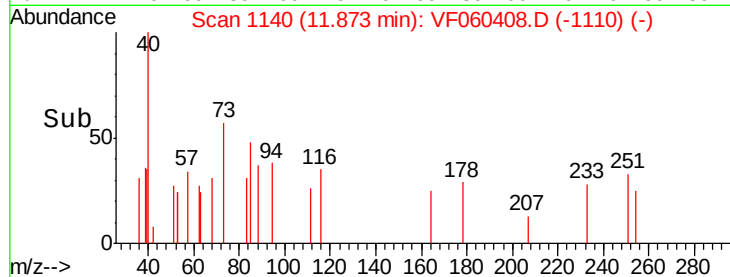
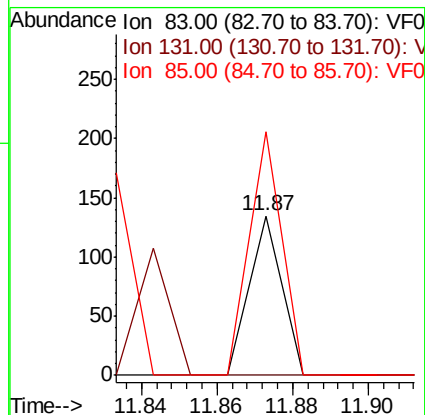
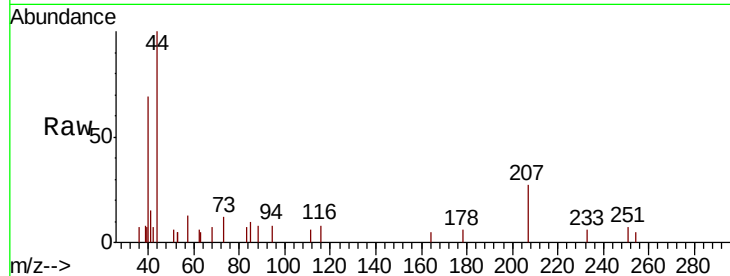
Tot Ion: 83 Resp: 80

Ion Ratio Lower Upper

83 100

131 0.0 4.0 12.0#

85 152.6 34.0 102.0#



#76

1,2,3-Trichloropropane

Concen: 127.428 ug/l

RT: 11.84 min Scan# 1137

Delta R.T. -0.03 min

Lab File: VF060408.D

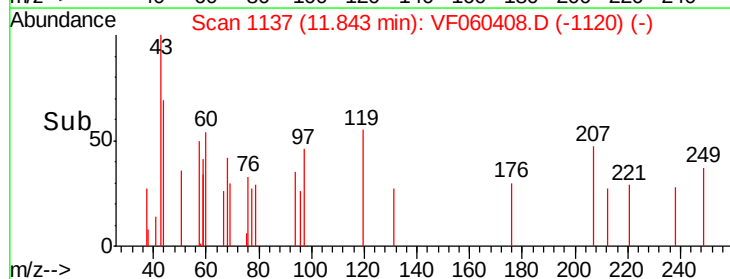
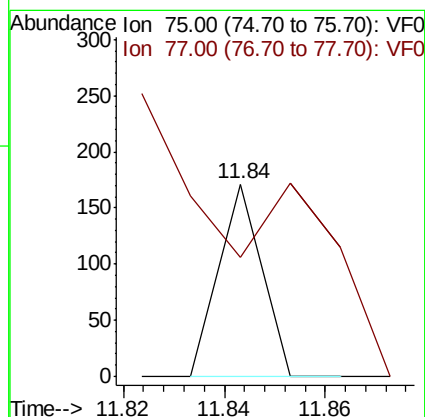
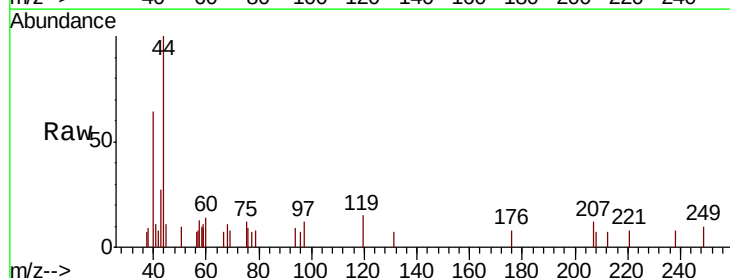
Acq: 2 Oct 2018 18:00

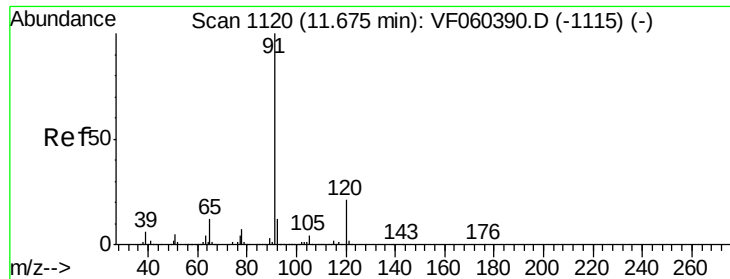
Tgt Ion: 75 Resp: 101

Ion Ratio Lower Upper

75 100

77 62.0 18.1 54.4#





#78

n-propylbenzene

Concen: 28.356 ug/l

RT: 11.73 min Scan# 1126

Delta R.T. 0.06 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

Instrument :

MSVOA_F

ClientSampleId :

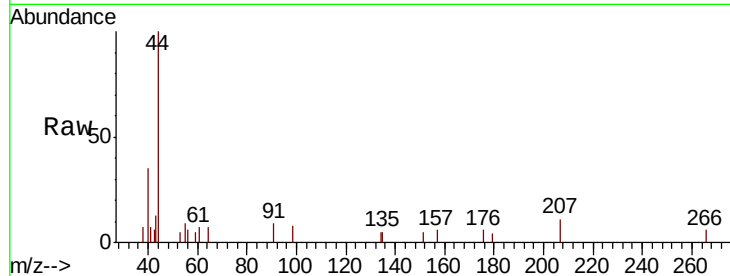
HC-SOIL-4

Tot Ion: 91 Resp: 203

Ion Ratio Lower Upper

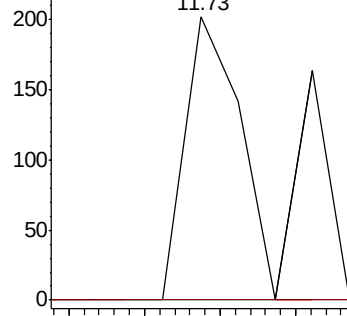
91 100

120 0.0 10.5 31.6#

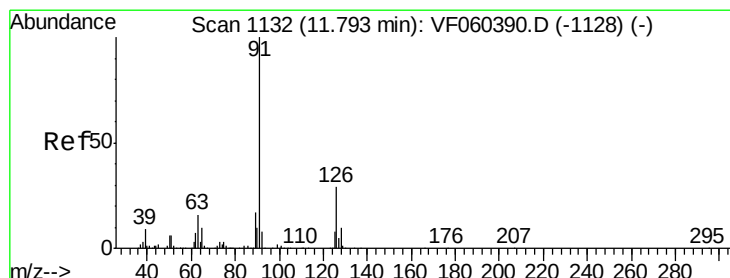
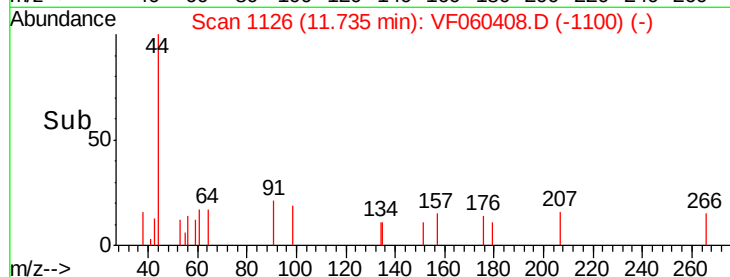


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



Time--> 11.70 11.72 11.74 11.76



#79

2-Chlorotoluene

Concen: 48.475 ug/l

RT: 11.73 min Scan# 1126

Delta R.T. -0.06 min

Lab File: VF060408.D

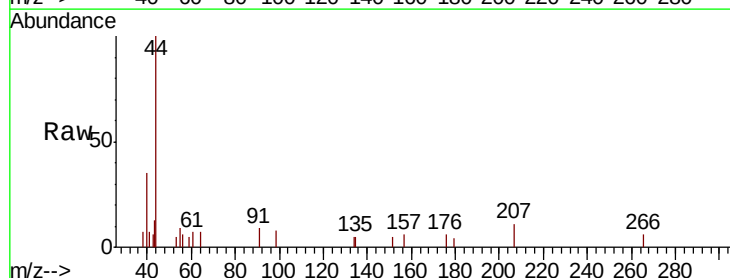
Acq: 2 Oct 2018 18:00

Tgt Ion: 91 Resp: 203

Ion Ratio Lower Upper

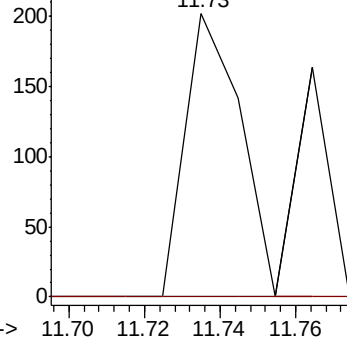
91 100

126 0.0 14.4 43.4#

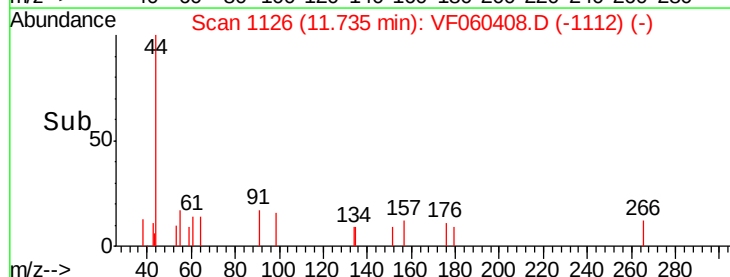


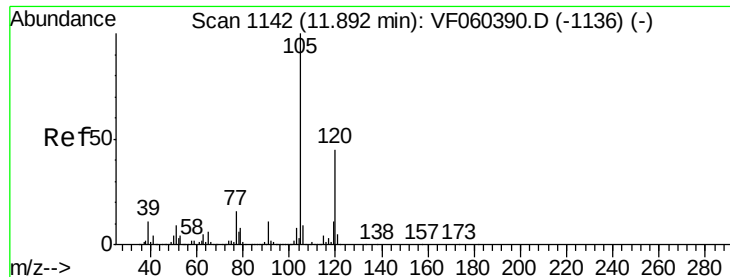
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



Time--> 11.70 11.72 11.74 11.76





#80

1,3,5-Trimethylbenzene

Concen: 18.337 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.03 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

Instrument :

MSVOA_F

ClientSampleId :

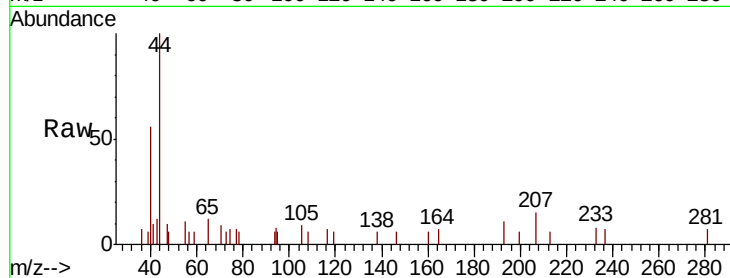
HC-SOIL-4

Tot Ion:105 Resp: 92

Ion Ratio Lower Upper

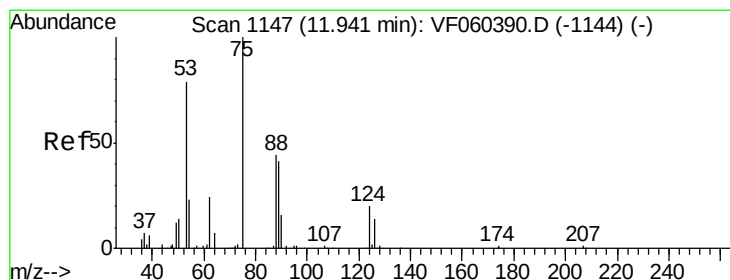
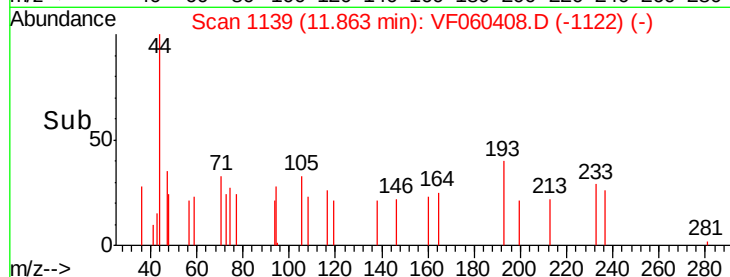
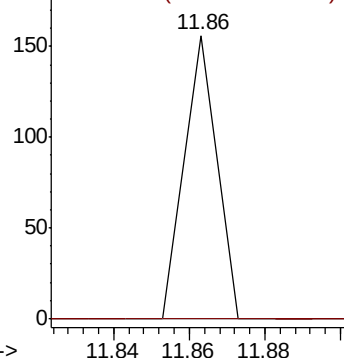
105 100

120 0.0 22.3 66.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 224.849 ug/l

RT: 11.98 min Scan# 1151

Delta R.T. 0.04 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

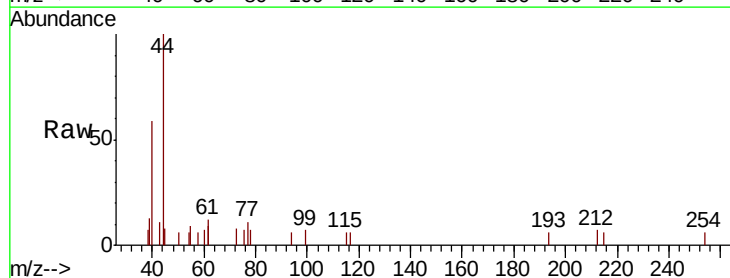
Tgt Ion: 75 Resp: 79

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

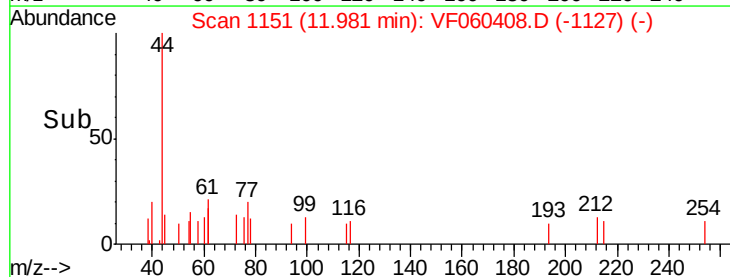
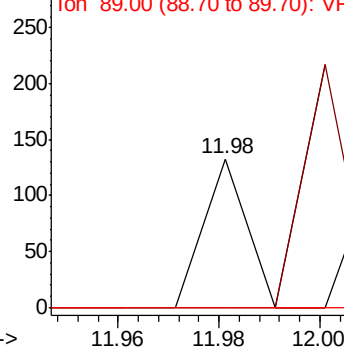
89 0.0 36.7 55.1#

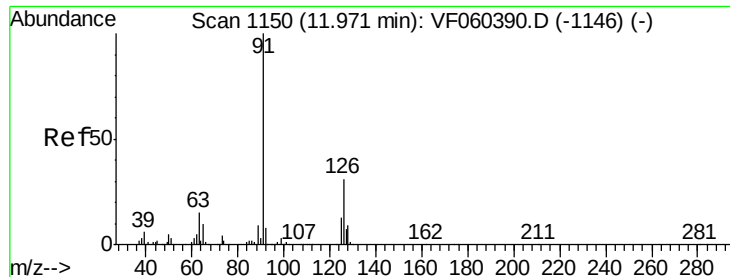


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0





#82

4-Chlorotoluene

Concen: 16.804 ug/l

RT: 12.01 min Scan# 1154

Delta R.T. 0.04 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

Instrument :

MSVOA_F

ClientSampleId :

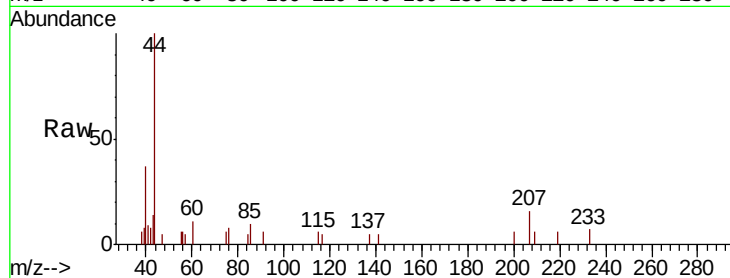
HC-SOIL-4

Tot Ion: 91 Resp: 72

Ion Ratio Lower Upper

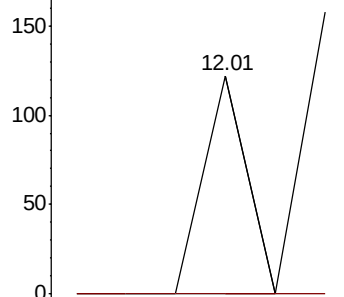
91 100

126 0.0 15.7 47.0#

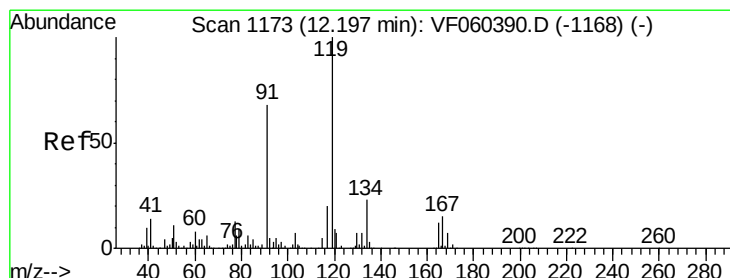
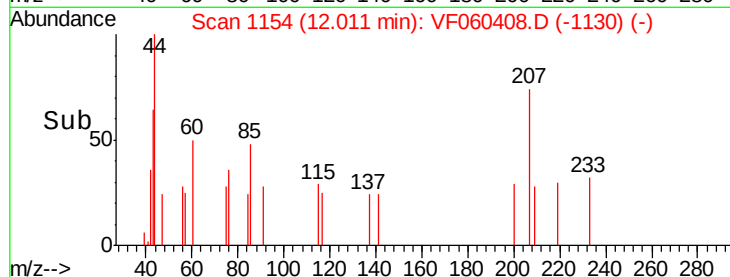


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



Time--> 11.98 12.00 12.02



#83

tert-Butylbenzene

Concen: 15.560 ug/l

RT: 12.22 min Scan# 1175

Delta R.T. 0.02 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

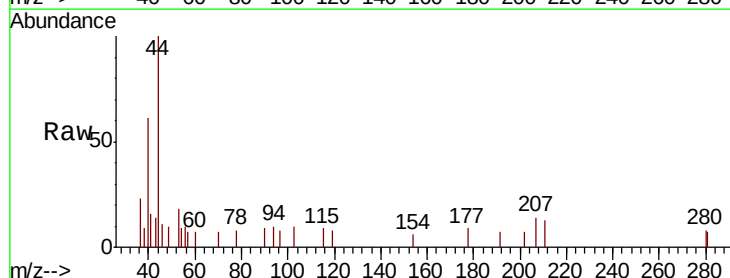
Tgt Ion: 119 Resp: 77

Ion Ratio Lower Upper

119 100

91 0.0 34.0 102.0#

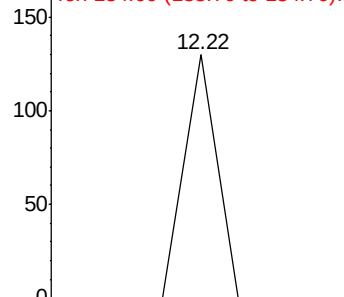
134 0.0 11.7 35.0#



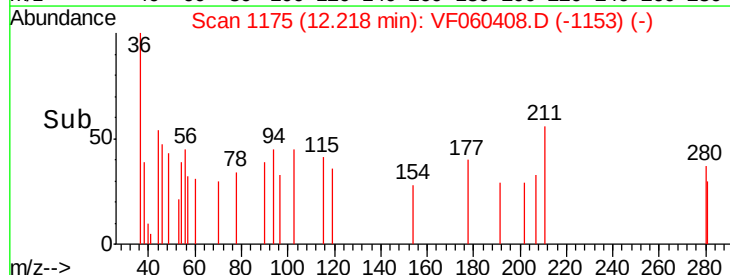
Abundance Ion 119.00 (118.70 to 119.70): V

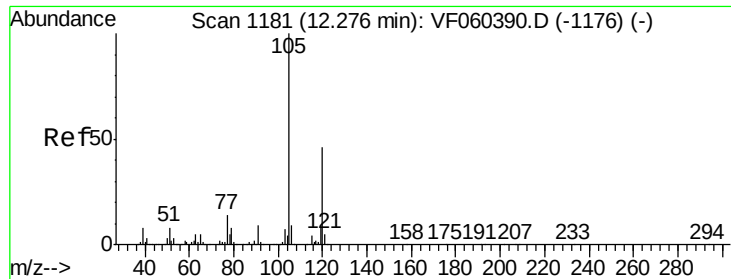
Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



Time--> 12.18 12.20 12.22 12.24

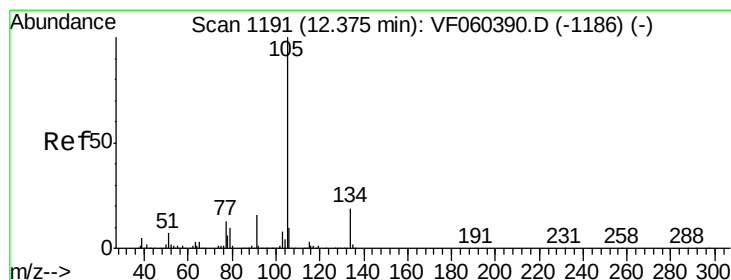
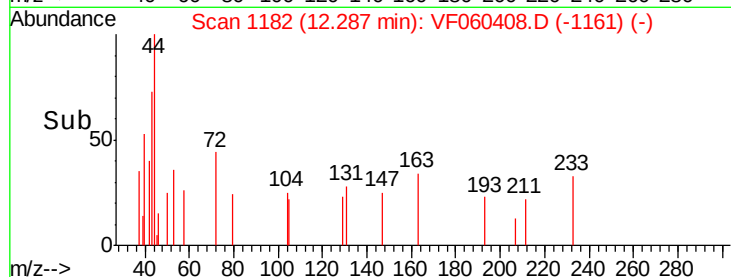
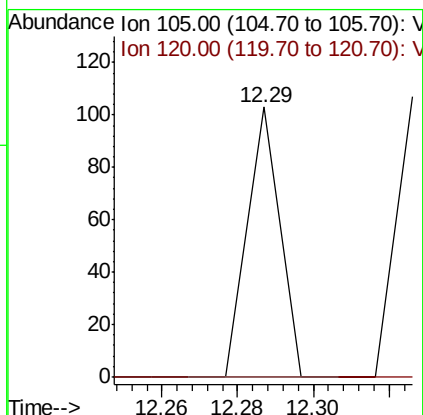
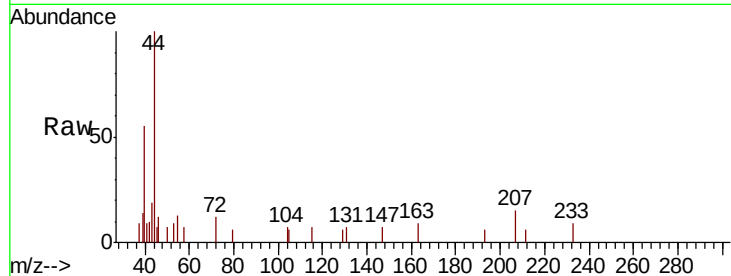




#84
 1,2,4-Trimethylbenzene
 Concen: 12.260 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VF060408.D
 Acq: 2 Oct 2018 18:00

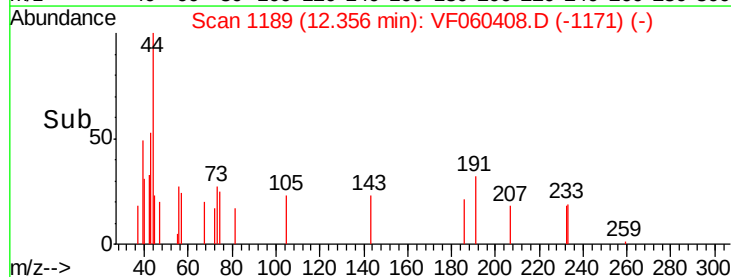
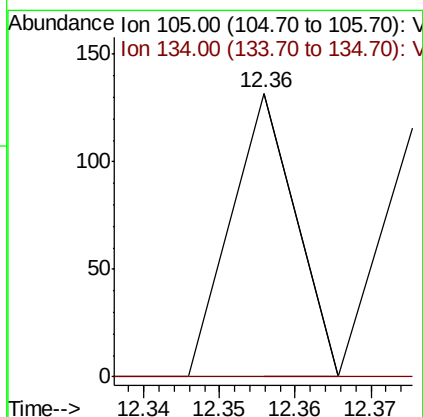
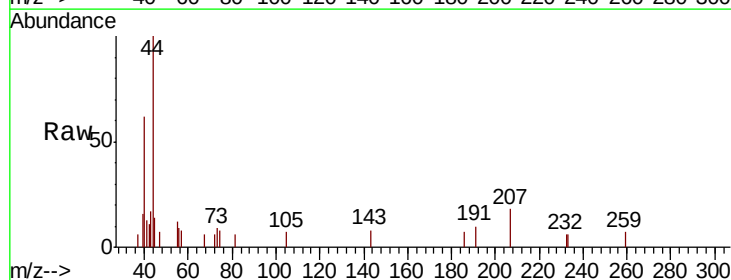
Instrument :
 MSVOA_F
 ClientSampleId :
 HC-SOIL-4

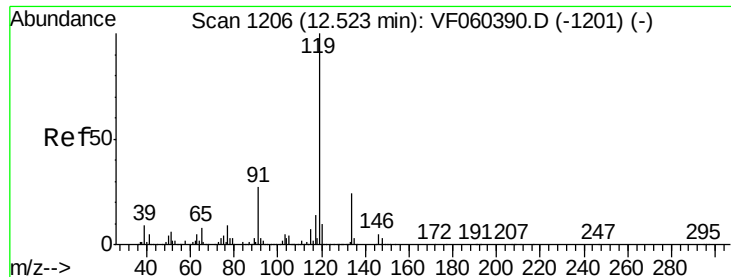
Tot Ion:105 Resp: 61
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.1 69.2#



#85
 sec-Butylbenzene
 Concen: 11.419 ug/l
 RT: 12.36 min Scan# 1189
 Delta R.T. -0.02 min
 Lab File: VF060408.D
 Acq: 2 Oct 2018 18:00

Tgt Ion:105 Resp: 78
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.4 28.3#

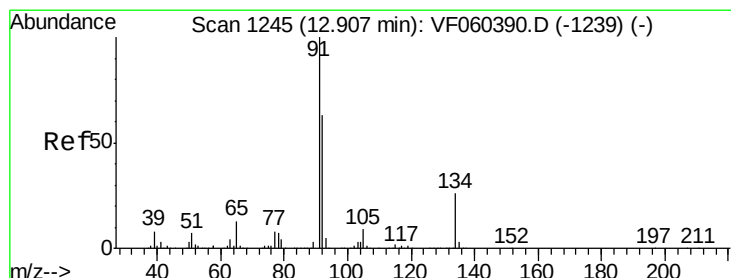
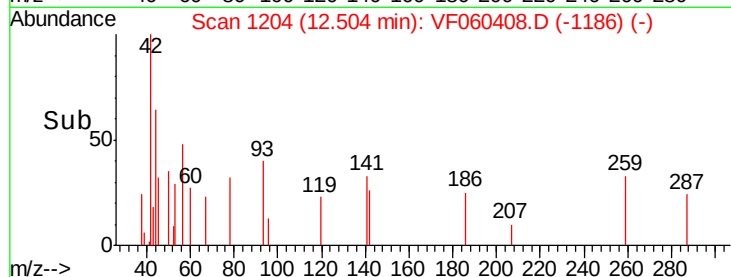
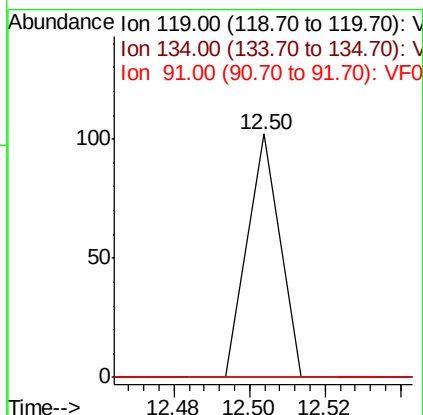
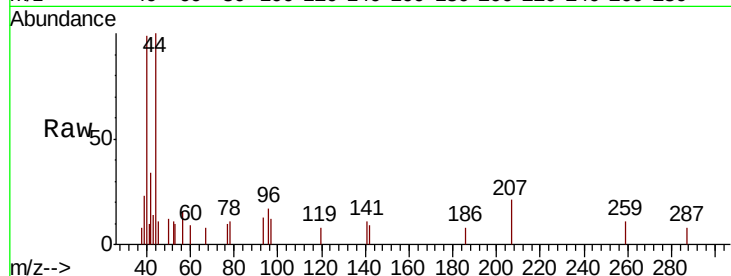




#86
 p-Isopropyltoluene
 Concen: 10.752 ug/l
 RT: 12.50 min Scan# 1204
 Delta R.T. -0.02 min
 Lab File: VF060408.D
 Acq: 2 Oct 2018 18:00

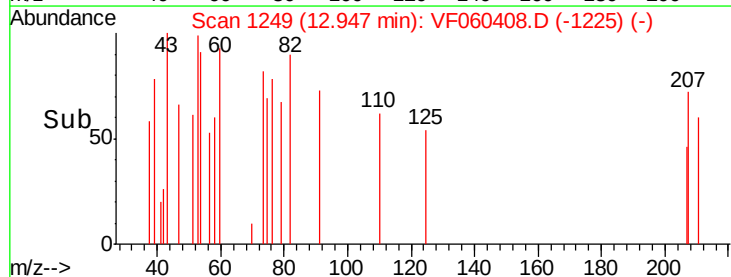
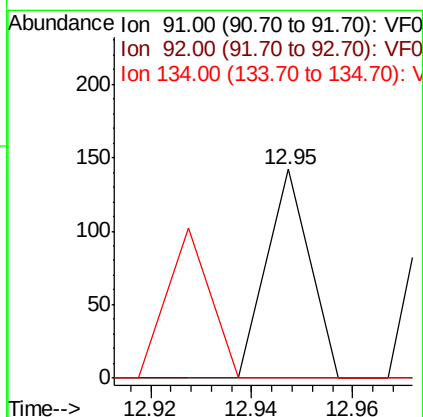
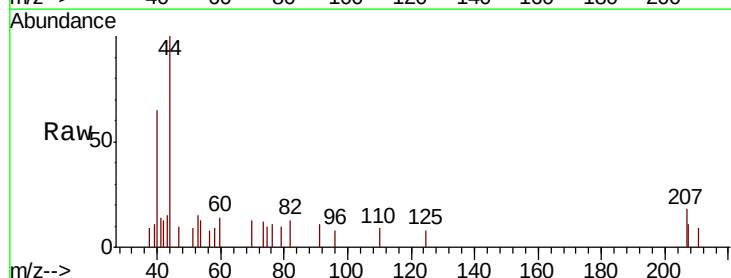
Instrument :
 MSVOA_F
 ClientSampled :
 HC-SOIL-4

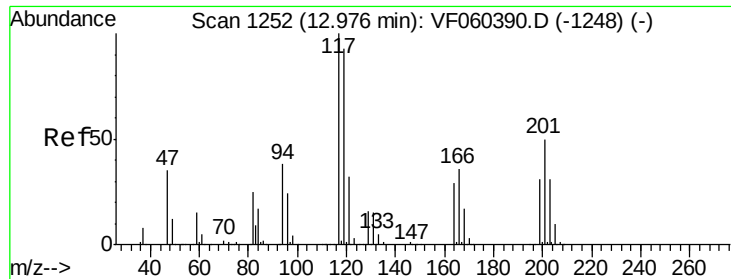
Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.3	36.8#
91	0.0	13.5	40.4#



#89
 n-Butylbenzene
 Concen: 14.225 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. 0.04 min
 Lab File: VF060408.D
 Acq: 2 Oct 2018 18:00

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	31.3	93.9#
134	0.0	13.0	38.9#





#90

Hexachloroethane

Concen: 59.627 ug/l

RT: 12.96 min Scan# 1250

Delta R.T. -0.02 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

Instrument :

MSVOA_F

ClientSampled :

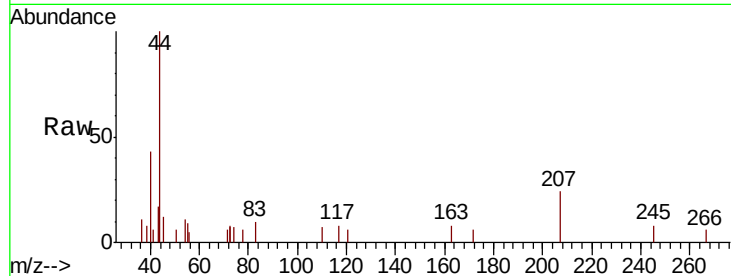
HC-SOIL-4

Tot Ion:117 Resp: 86

Ion Ratio Lower Upper

117 100

201 0.0 25.5 76.5#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

12.96

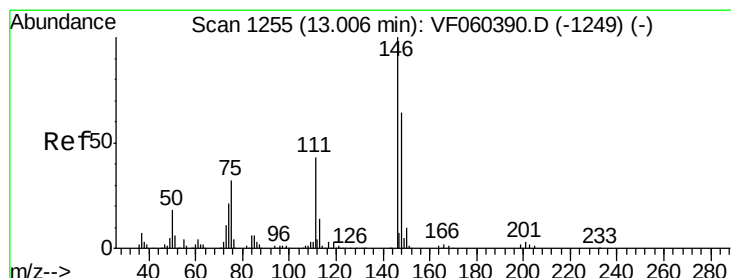
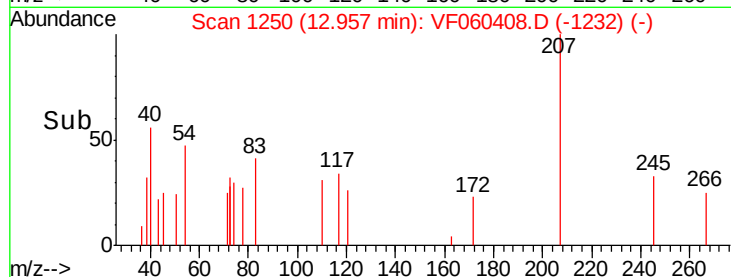
150

100

50

0

12.94 12.96 12.98



#91

1,2-Dichlorobenzene

Concen: 27.731 ug/l

RT: 12.97 min Scan# 1251

Delta R.T. -0.04 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

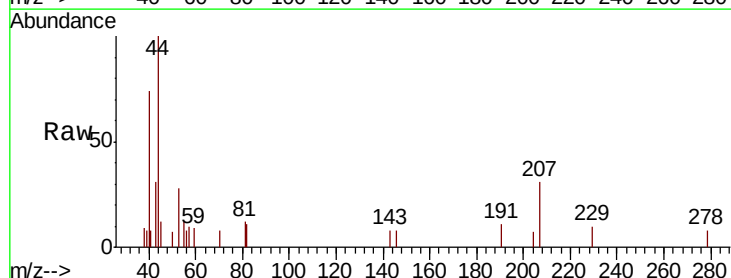
Tgt Ion:146 Resp: 66

Ion Ratio Lower Upper

146 100

111 0.0 21.3 64.0#

148 0.0 32.2 96.6#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

200

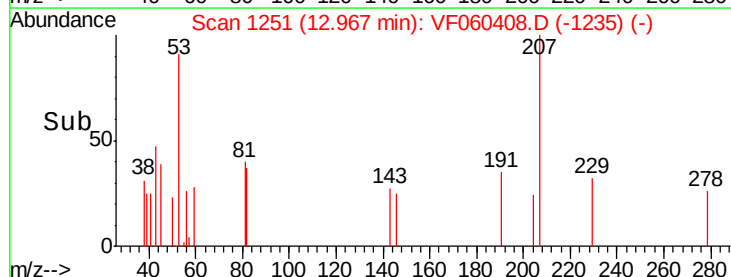
150

100

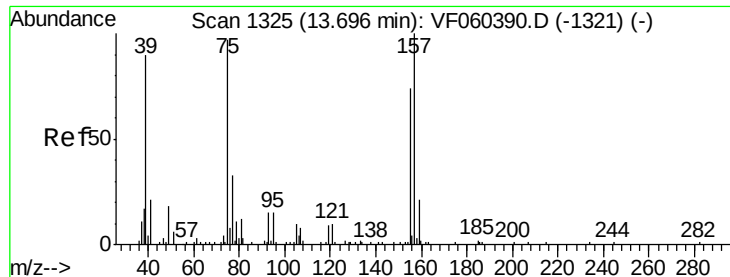
50

0

12.94 12.96 12.98



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 292.262 ug/l

RT: 13.61 min Scan# 1316

Delta R.T. -0.09 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

Instrument :

MSVOA_F

ClientSampled :

HC-SOIL-4

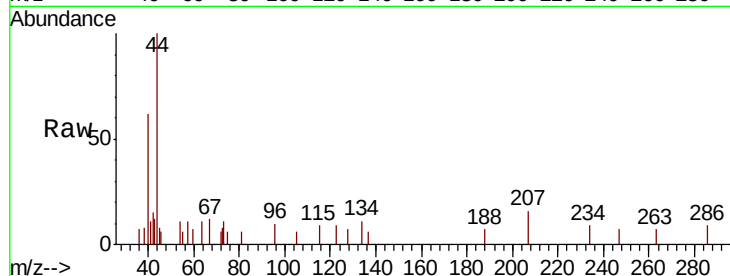
Tot Ion: 75 Resp: 61

Ion Ratio Lower Upper

75 100

155 0.0 37.9 113.6#

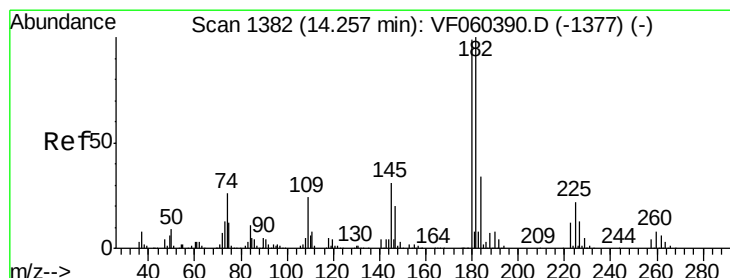
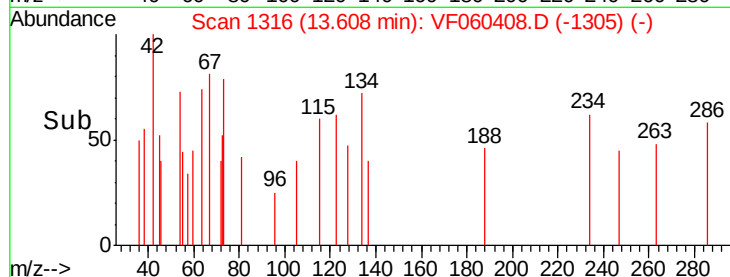
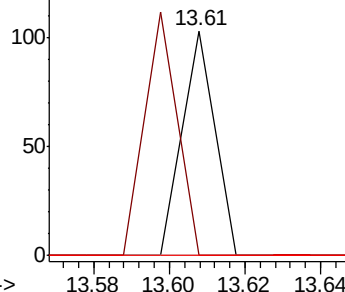
157 0.0 51.3 154.0#



Abundance Ion 75.00 (74.70 to 75.70): VF060390.D (-1321) (-)

Ion 155.00 (154.70 to 155.70): VF060390.D (-1321) (-)

Ion 157.00 (156.70 to 157.70): VF060390.D (-1321) (-)



#93

1,2,4-Trichlorobenzene

Concen: 41.598 ug/l

RT: 14.10 min Scan# 1366

Delta R.T. -0.16 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

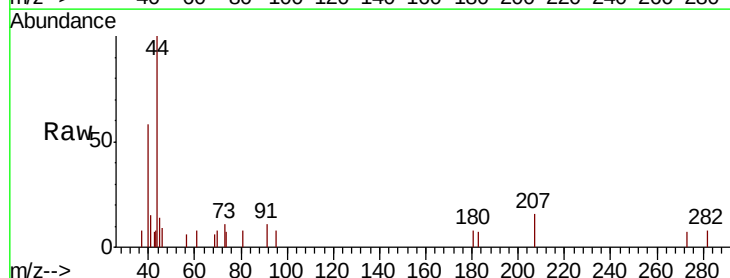
Tgt Ion: 180 Resp: 74

Ion Ratio Lower Upper

180 100

182 0.0 50.3 150.9#

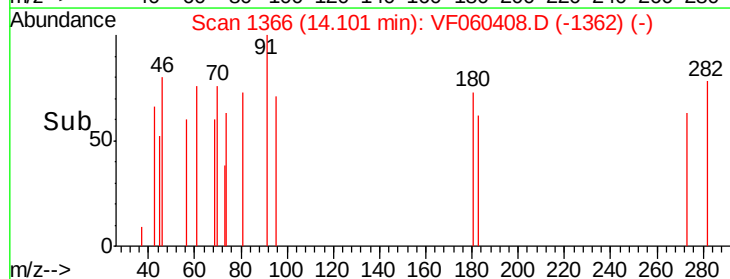
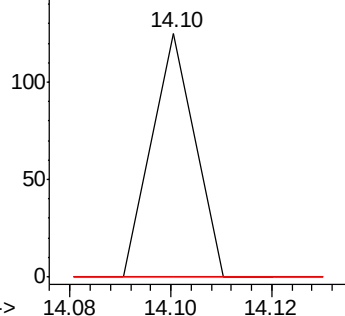
145 0.0 15.5 46.5#

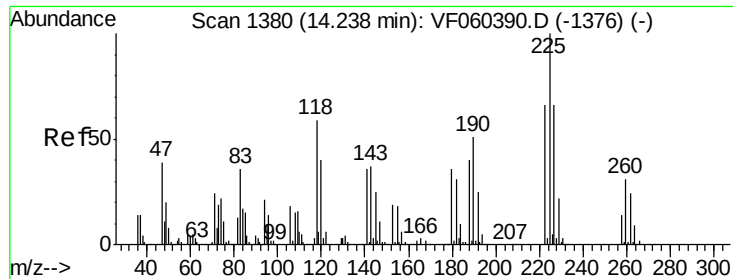


Abundance Ion 180.00 (179.70 to 180.70): VF060390.D (-1377) (-)

Ion 182.00 (181.70 to 182.70): VF060390.D (-1377) (-)

Ion 145.00 (144.70 to 145.70): VF060390.D (-1377) (-)





#94

Hexachlorobutadiene

Concen: 53.964 ug/l

RT: 14.15 min Scan# 1371

Delta R.T. -0.09 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

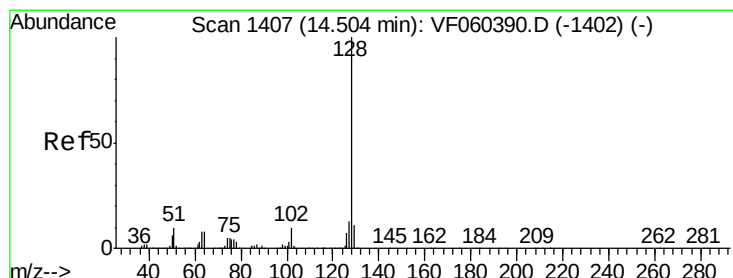
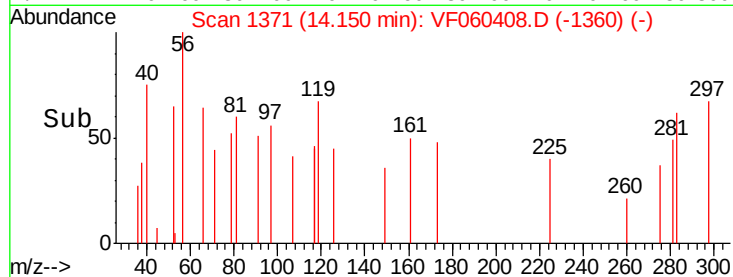
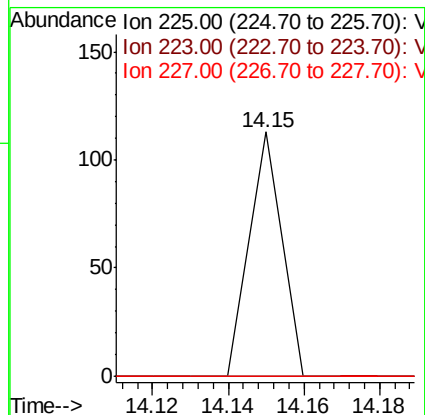
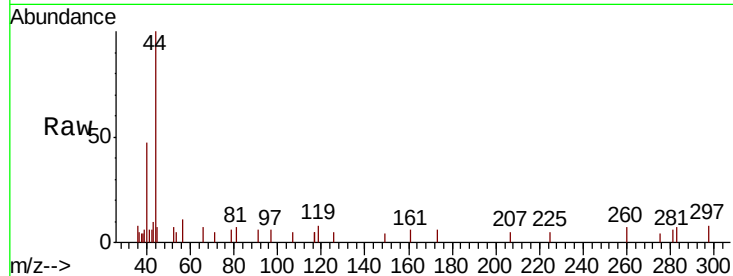
Instrument :

MSVOA_F

ClientSampled :

HC-SOIL-4

Tot Ion:	225	Resp:	67
Ion	Ratio	Lower	Upper
225	100		
223	0.0	32.8	98.4#
227	0.0	33.0	99.0#



#95

Naphthalene

Concen: 22.951 ug/l

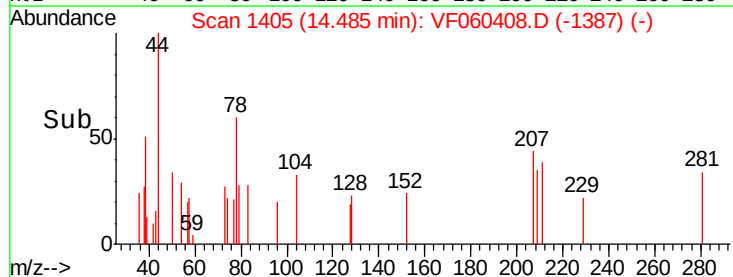
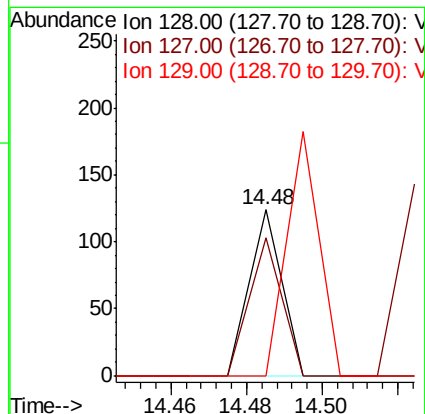
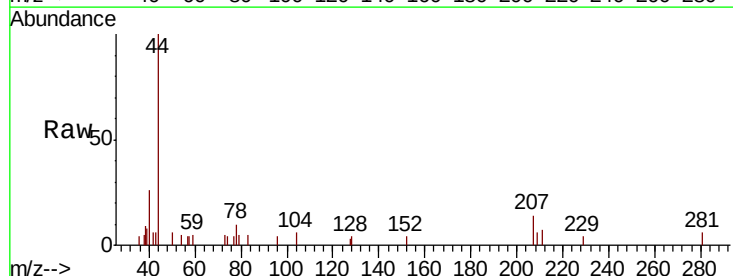
RT: 14.48 min Scan# 1405

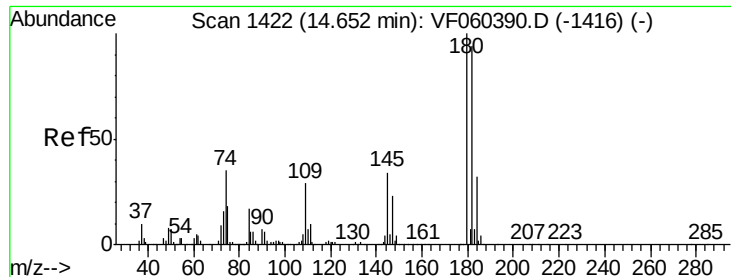
Delta R.T. -0.02 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

Tgt Ion:	128	Resp:	73
Ion	Ratio	Lower	Upper
128	100		
127	83.1	10.0	15.0#
129	0.0	8.7	13.1#





#96

1,2,3-Trichlorobenzene

Concen: 54.571 ug/l

RT: 14.77 min Scan# 1434

Delta R.T. 0.12 min

Lab File: VF060408.D

Acq: 2 Oct 2018 18:00

Instrument :

MSVOA_F

ClientSampleId :

HC-SOIL-4

Tot Ion:180 Resp: 91

Ion Ratio Lower Upper

180 100

182 0.0 46.8 140.3#

145 0.0 16.9 50.6#

