

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111518\
 Data File : VF060747.D
 Acq On : 15 Nov 2018 15:24
 Operator : VA/AP
 Sample : J5930-01RE
 Misc : 6.08g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 32727-45914-21716RE

Quant Time: Nov 16 04:36:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	257	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	463	50.00	ug/l	-0.02
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.79
72) 1,4-Dichlorobenzene-d4	12.58	152	213	50.00	ug/l	0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	62	21.15	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	42.30%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	11.41	95	276	68.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.97	85	62	13.48	ug/l #	42
3) Chloromethane	1.11	50	72	25.24	ug/l #	44
5) Bromomethane	1.33	94	112	69.10	ug/l #	5
8) Diethyl Ether	1.50	74	63	87.14	ug/l	74
12) 1,1-Dichloroethene	1.79	96	67	31.95	ug/l #	1
13) Acrolein	2.01	56	72	590.25	ug/l #	14
14) Allyl chloride	2.08	41	23	6.26	ug/l #	56
15) Acrylonitrile	2.90	53	65	228.65	ug/l #	15
16) Acetone	2.23	43	744	1187.43	ug/l #	65
17) Carbon Disulfide	1.86	76	68	10.73	ug/l #	67
18) Methyl Acetate	2.34	43	562	546.25	ug/l #	64
19) Methyl tert-butyl Ether	2.37	73	62	12.33	ug/l #	1
20) Methylene Chloride	2.12	84	121	58.60	ug/l #	1
22) Diisopropyl ether	2.83	45	99	13.96	ug/l #	43
23) Vinyl Acetate	3.20	43	444	132.96	ug/l #	77
25) 2-Butanone	4.32	43	185	179.51	ug/l #	56
26) 2,2-Dichloropropane	3.64	77	206	60.97	ug/l #	60
27) cis-1,2-Dichloroethene	3.42	96	67	17.98	ug/l	1
29) Tetrahydrofuran	4.06	42	74	174.08	ug/l #	36
30) Chloroform	3.90	83	69	10.02	ug/l #	16
31) Cyclohexane	3.74	56	248	47.59	ug/l #	16
32) 1,1,1-Trichloroethane	4.18	97	69	12.72	ug/l #	22
37) Ethyl Acetate	4.08	43	473	236.93	ug/l #	1
39) Methylcyclohexane	5.43	83	133	21.35	ug/l #	62
40) Benzene	4.62	78	321	26.82	ug/l #	38
41) Methacrylonitrile	4.76	41	389	395.39	ug/l #	55
43) Isopropyl Acetate	6.95	43	130	49.11	ug/l #	48
47) Bromodichloromethane	6.45	83	74	14.09	ug/l #	24
48) Methyl methacrylate	6.69	41	672	383.61	ug/l #	17
51) 4-Methyl-2-Pentanone	8.26	43	603	314.99	ug/l #	38
54) cis-1,3-Dichloropropene	7.12	75	69	12.63	ug/l #	1
55) 1,1,2-Trichloroethane	8.57	97	69	30.11	ug/l #	14
56) Ethyl methacrylate	8.61	69	444	170.58	ug/l #	1
59) 2-Hexanone	9.46	43	555	412.53	ug/l #	28

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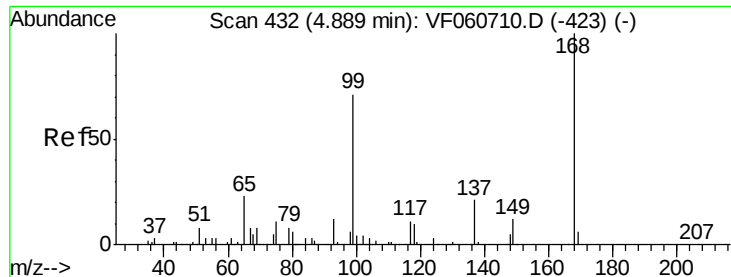
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

61) 1,2-Dibromoethane	8.91	107	72	29.87	ug/l #	2
73) Isopropylbenzene	11.13	105	165	9.62	ug/l #	2
74) N-amyl acetate	11.36	43	336	86.09	ug/l #	32
75) 1,1,2,2-Tetrachloroethane	11.72	83	259	91.37	ug/l #	25
76) 1,2,3-Trichloropropane	11.67	75	72	34.20	ug/l #	1
78) n-propylbenzene	11.62	91	163	8.15	ug/l #	53
79) 2-Chlorotoluene	11.76	91	397	34.16	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.92	105	189	13.89	ug/l	89
81) trans-1,4-Dichloro-2-buten	11.96	75	89	86.05	ug/l #	20
82) 4-Chlorotoluene	11.89	91	436	36.62	ug/l #	43
83) tert-Butylbenzene	12.13	119	131	9.06	ug/l #	28
84) 1,2,4-Trimethylbenzene	12.21	105	288	20.46	ug/l #	27
85) sec-Butylbenzene	12.31	105	236	12.04	ug/l #	1
86) p-Isopropyltoluene	12.46	119	295	18.02	ug/l #	1
87) 1,3-Dichlorobenzene	12.52	146	65	9.15	ug/l #	7
88) 1,4-Dichlorobenzene	12.59	146	62	9.08	ug/l #	1
89) n-Butylbenzene	12.85	91	505	30.22	ug/l #	26
90) Hexachloroethane	12.92	117	127	31.71	ug/l #	21
91) 1,2-Dichlorobenzene	13.01	146	62	9.27	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.69	75	65	122.00	ug/l #	1
95) Naphthalene	14.51	128	1403	159.98	ug/l #	15
96) 1,2,3-Trichlorobenzene	14.69	180	67	15.09	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

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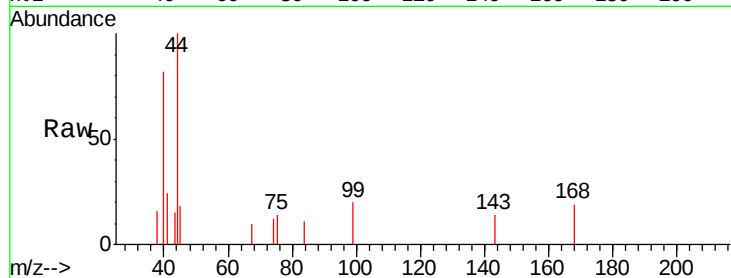
32727-45914-21716RE

Tgt Ion:168 Resp: 257

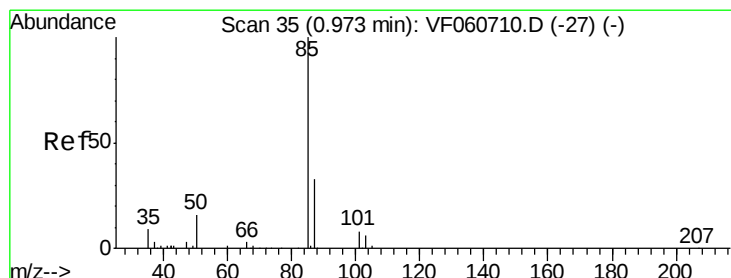
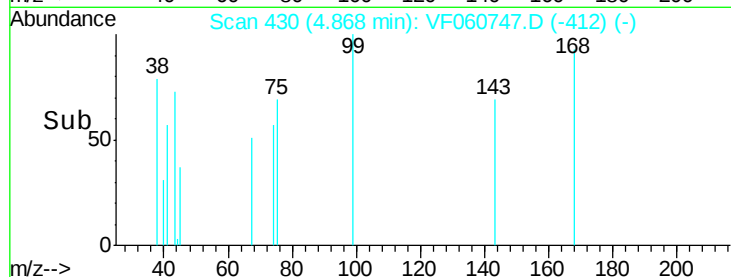
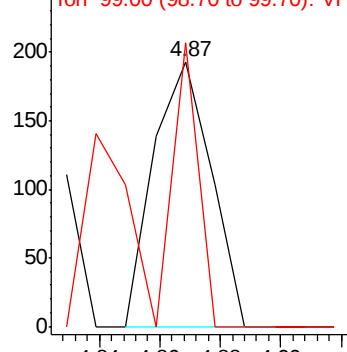
Ion Ratio Lower Upper

168 100

99 107.3 57.2 85.8#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 13.48 ug/l

RT: 0.97 min Scan# 35

Delta R.T. -0.00 min

Lab File: VF060747.D

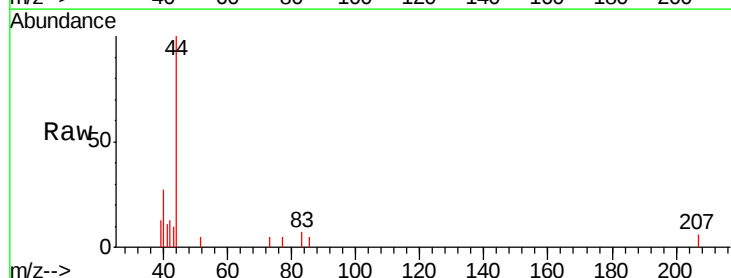
Acq: 15 Nov 2018 15:24

Tgt Ion: 85 Resp: 62

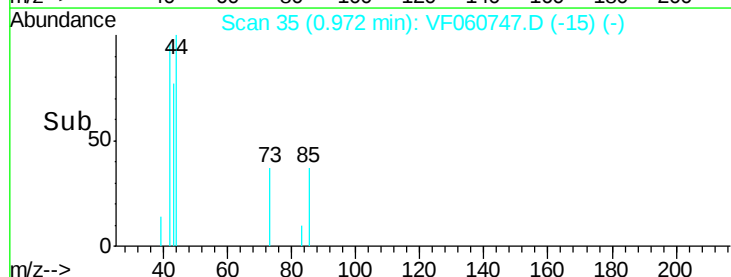
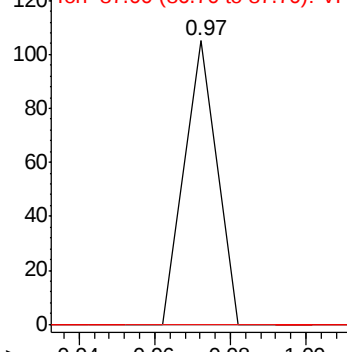
Ion Ratio Lower Upper

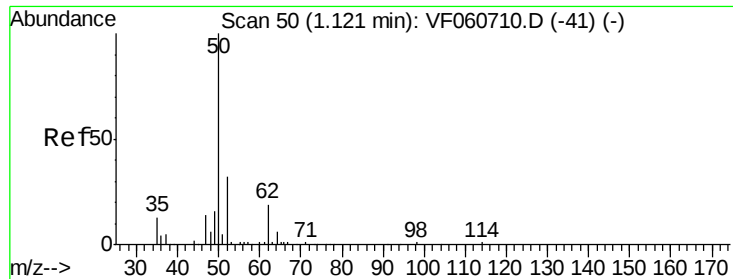
85 100

87 0.0 16.3 48.9#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 25.24 ug/l

RT: 1.11 min Scan# 49

Delta R.T. -0.01 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

Instrument :

MSVOA_F

ClientSampleId :

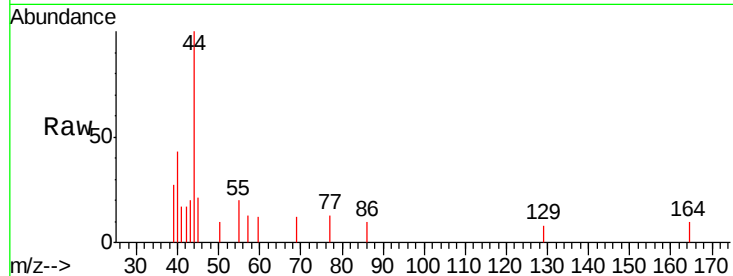
32727-45914-21716RE

Tgt Ion: 50 Resp: 72

Ion Ratio Lower Upper

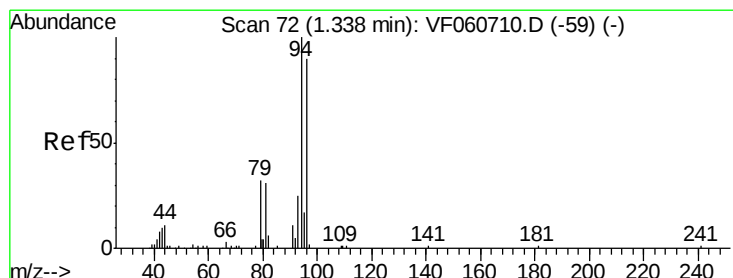
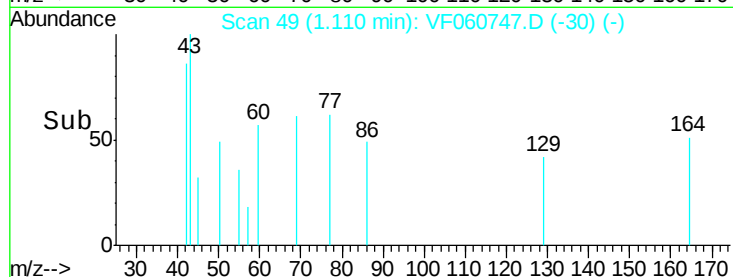
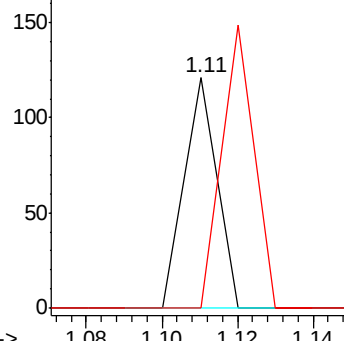
50 100

52 0.0 24.2 36.2#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#5

Bromomethane

Concen: 69.10 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060747.D

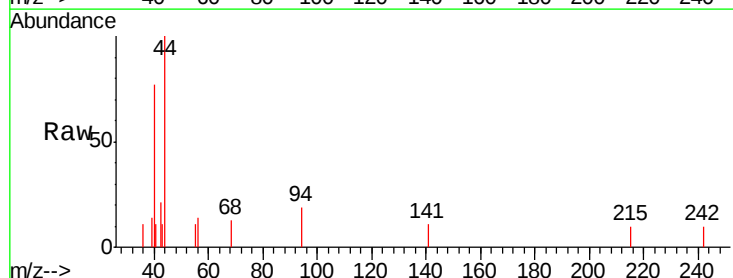
Acq: 15 Nov 2018 15:24

Tgt Ion: 94 Resp: 112

Ion Ratio Lower Upper

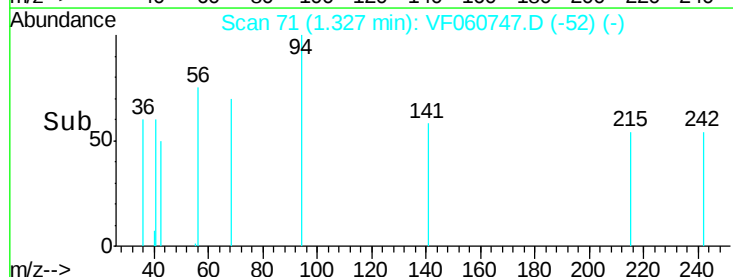
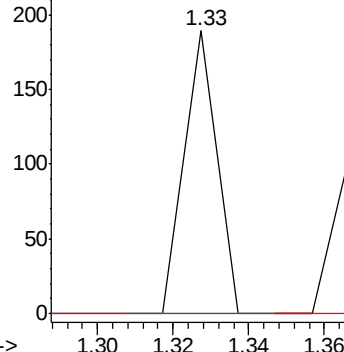
94 100

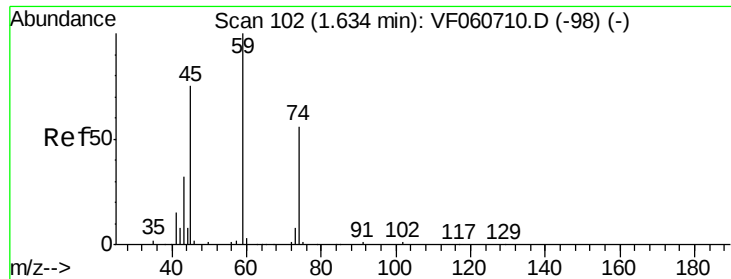
96 0.0 71.9 107.9#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0





#8

Diethyl Ether

Concen: 87.14 ug/l

RT: 1.50 min Scan# 89

Delta R.T. -0.13 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

Instrument :

MSVOA_F

ClientSampleId :

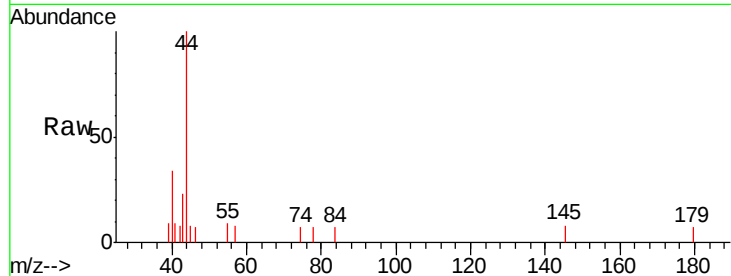
32727-45914-21716RE

Tgt Ion: 74 Resp: 63

Ion Ratio Lower Upper

74 100

45 104.7 67.7 203.1



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.50

100

80

60

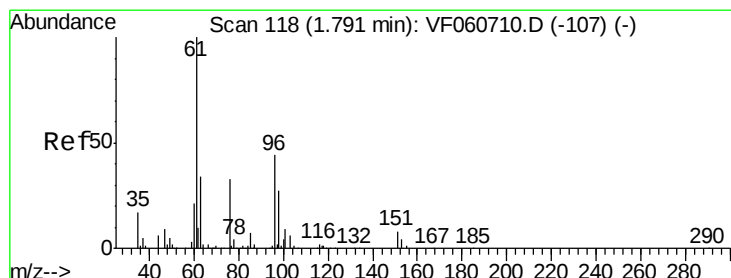
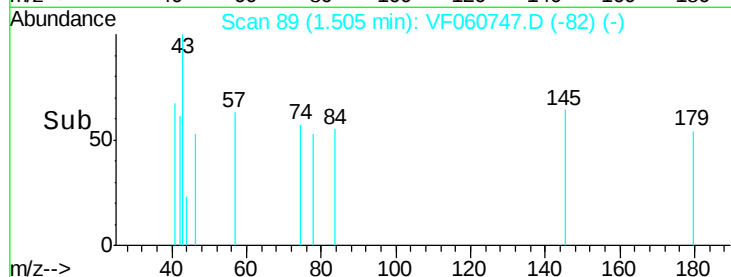
40

20

0

1.48 1.50 1.52

Time-->



#12

1,1-Dichloroethene

Concen: 31.95 ug/l

RT: 1.79 min Scan# 118

Delta R.T. -0.00 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

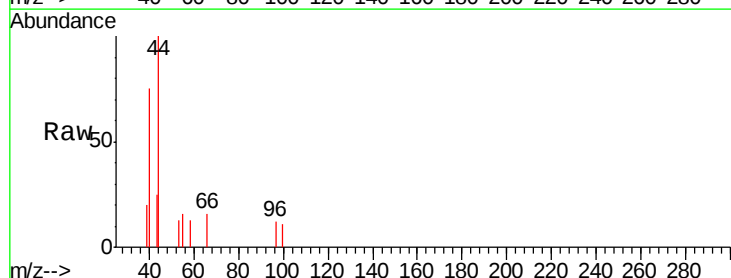
Tgt Ion: 96 Resp: 67

Ion Ratio Lower Upper

96 100

61 0.0 182.2 273.2#

98 0.0 49.2 73.8#



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

150

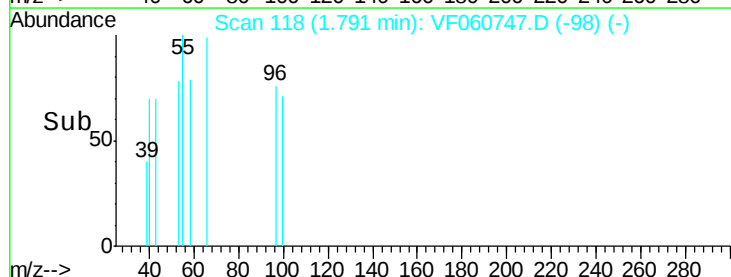
100

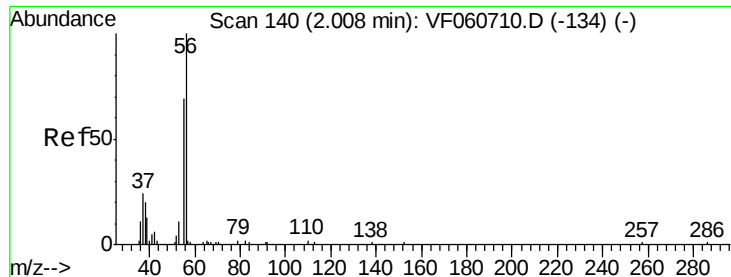
50

0

1.76 1.78 1.80 1.82

Time-->





#13

Acrolein

Concen: 590.25 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

Instrument :

MSVOA_F

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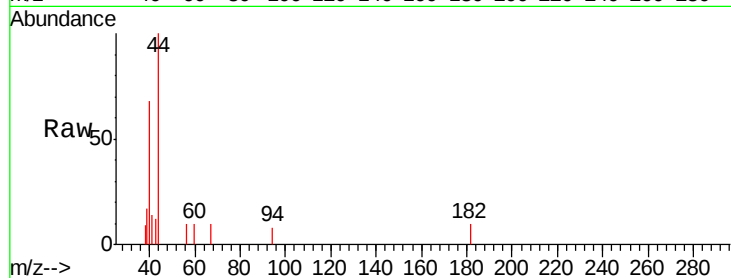
32727-45914-21716RE

Tgt Ion: 56 Resp: 72

Ion Ratio Lower Upper

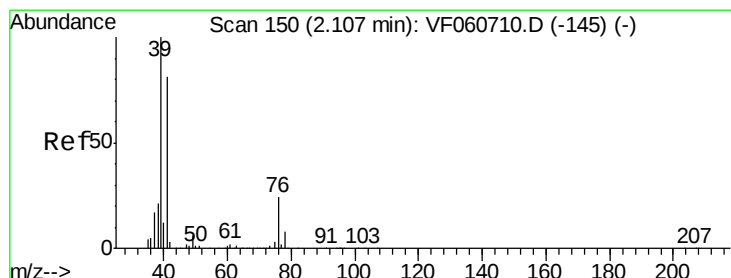
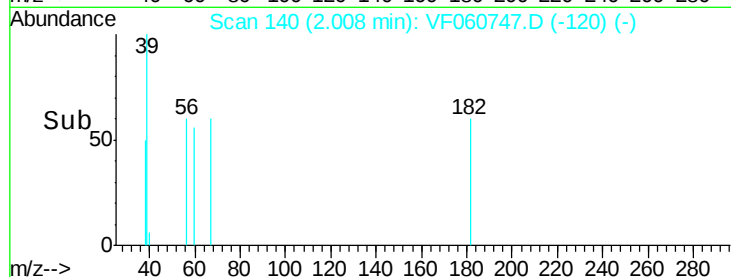
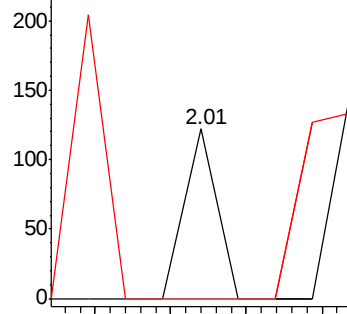
56 100

55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 6.26 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.03 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

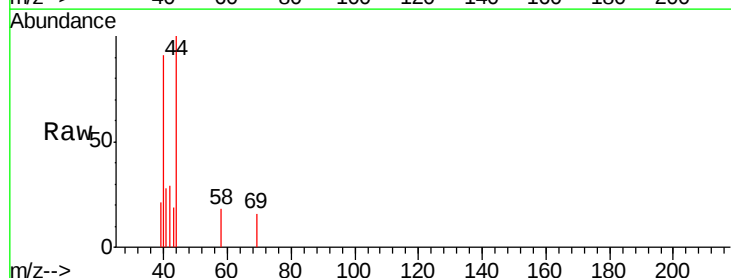
Tgt Ion: 41 Resp: 23

Ion Ratio Lower Upper

41 100

39 76.7 98.5 147.7#

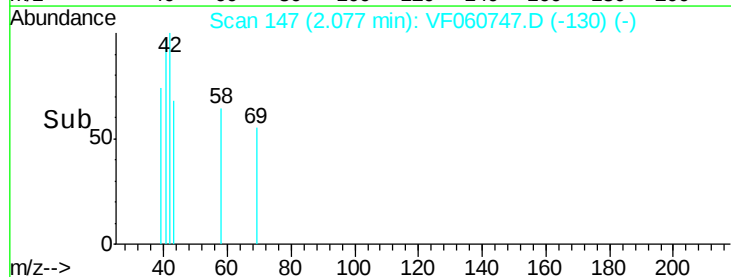
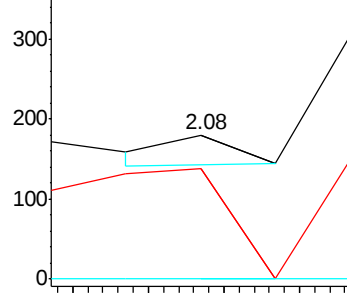
76 0.0 24.5 36.7#

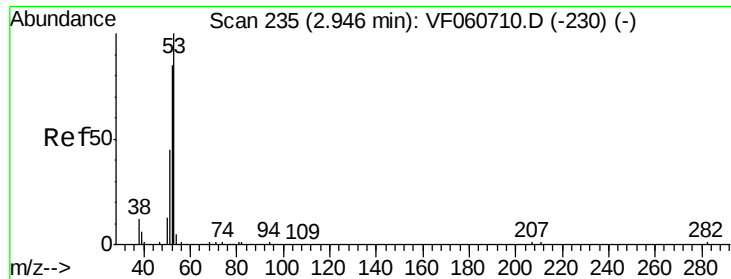


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 228.65 ug/l

RT: 2.90 min Scan# 230

Delta R.T. -0.05 min

Lab File: VF060747.D

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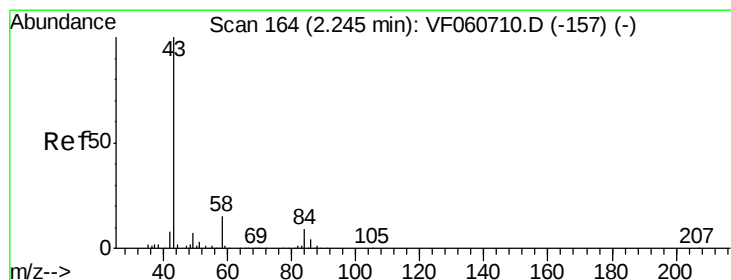
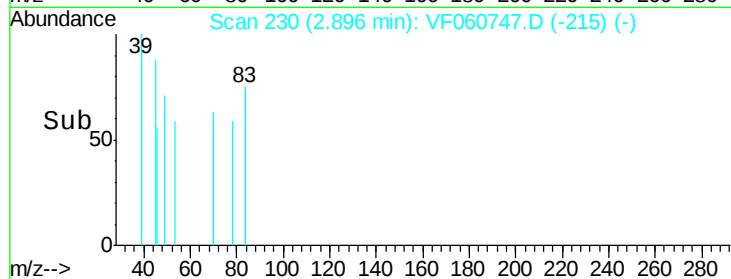
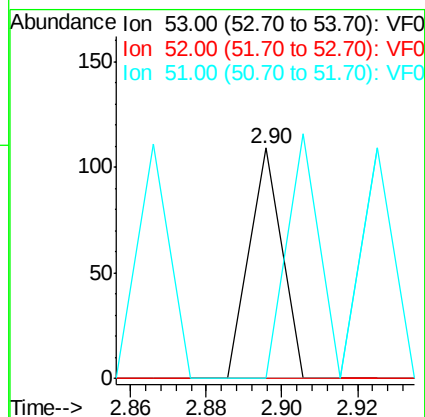
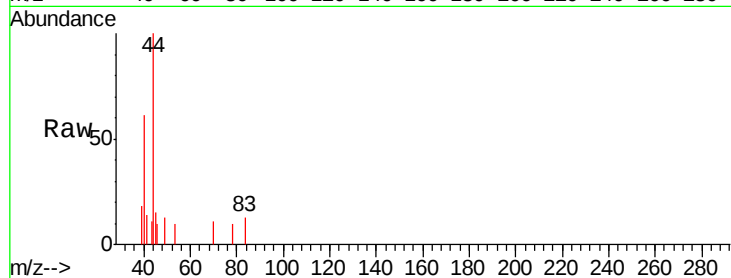
Tgt Ion: 53 Resp: 65

Ion Ratio Lower Upper

53 100

52 0.0 68.8 103.2#

51 0.0 36.7 55.1#



#16

Acetone

Concen: 1187.43 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF060747.D

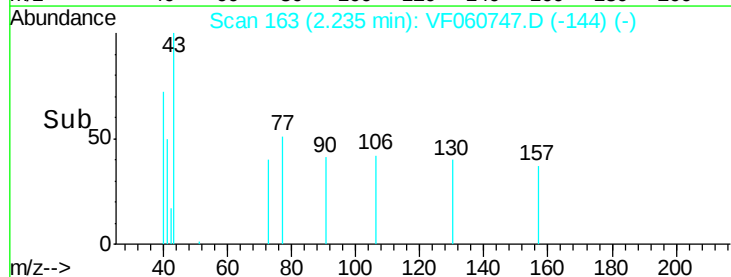
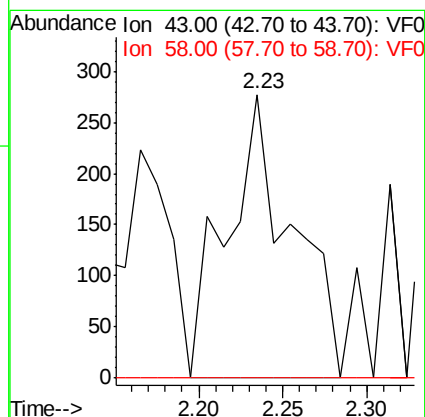
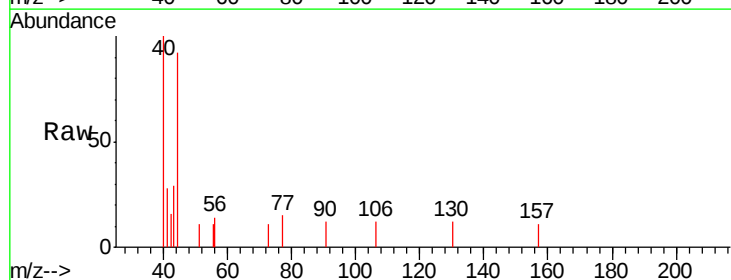
Acq: 15 Nov 2018 15:24

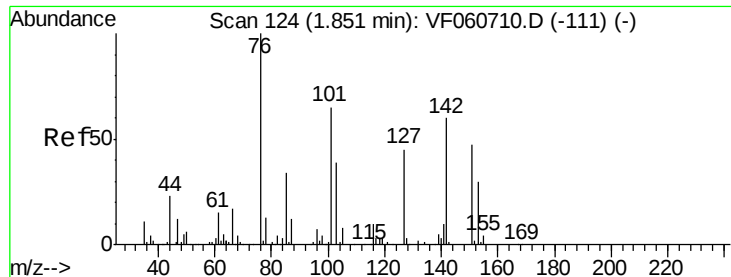
Tgt Ion: 43 Resp: 744

Ion Ratio Lower Upper

43 100

58 0.0 11.6 17.4#





#17

Carbon Disulfide

Concen: 10.73 ug/l

RT: 1.86 min Scan# 125

Delta R.T. 0.01 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

Instrument :

MSVOA_F

ClientSampleId :

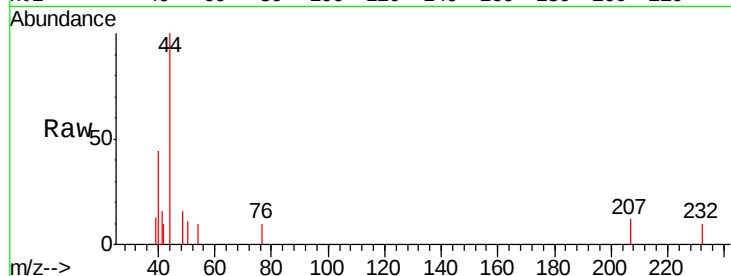
32727-45914-21716RE

Tgt Ion: 76 Resp: 68

Ion Ratio Lower Upper

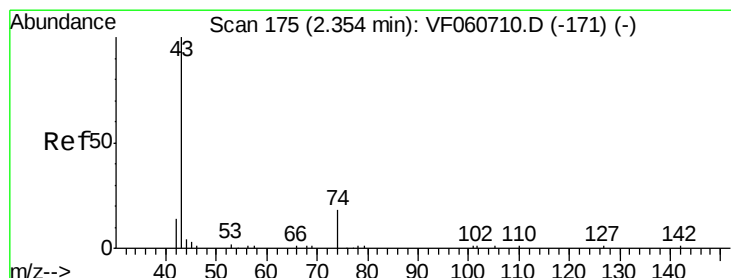
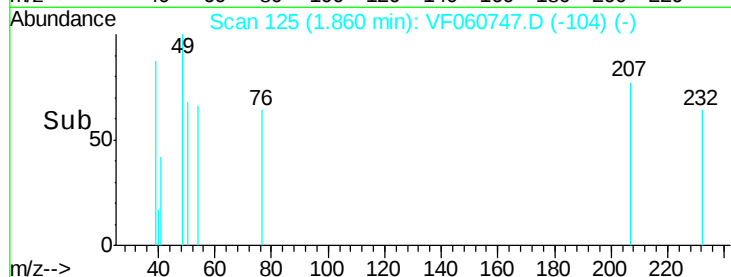
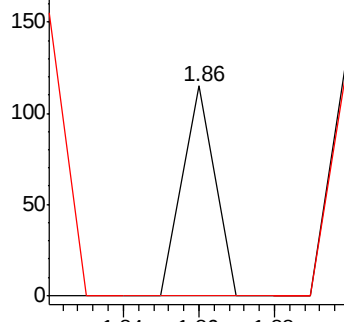
76 100

78 0.0 10.5 15.7#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 546.25 ug/l

RT: 2.34 min Scan# 174

Delta R.T. -0.01 min

Lab File: VF060747.D

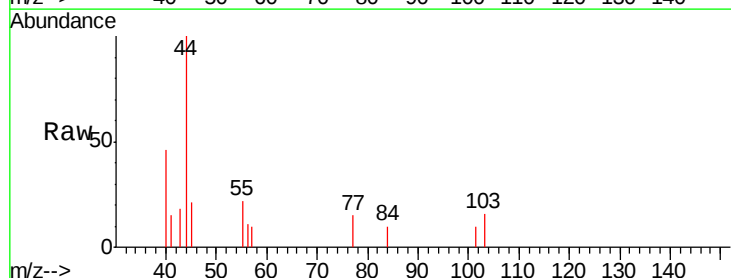
Acq: 15 Nov 2018 15:24

Tgt Ion: 43 Resp: 562

Ion Ratio Lower Upper

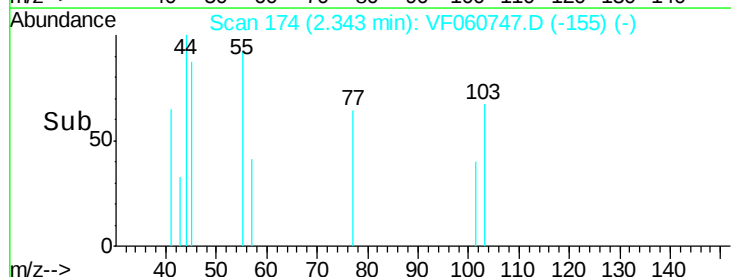
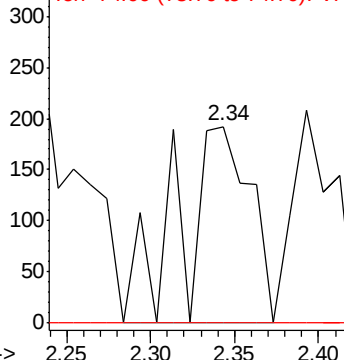
43 100

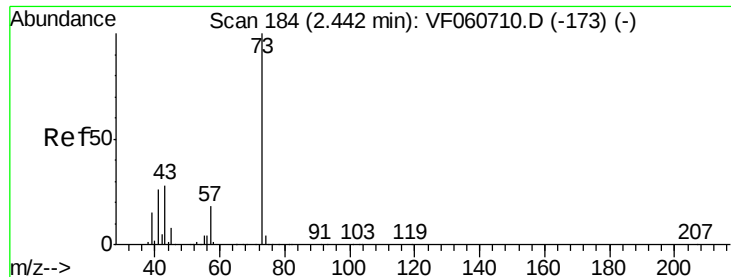
74 0.0 11.8 17.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





#19

Methyl tert-butyl Ether

Concen: 12.33 ug/l

RT: 2.37 min Scan# 177

Delta R.T. -0.07 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

Instrument :

MSVOA_F

ClientSampleId :

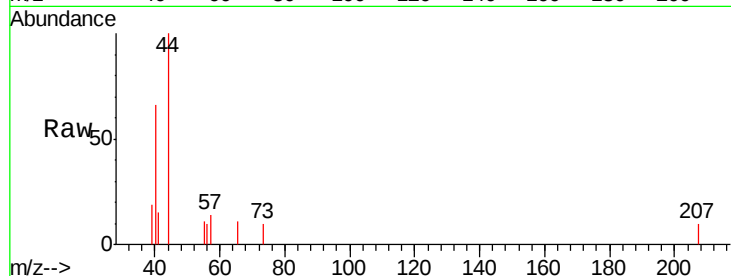
32727-45914-21716RE

Tgt Ion: 73 Resp: 62

Ion Ratio Lower Upper

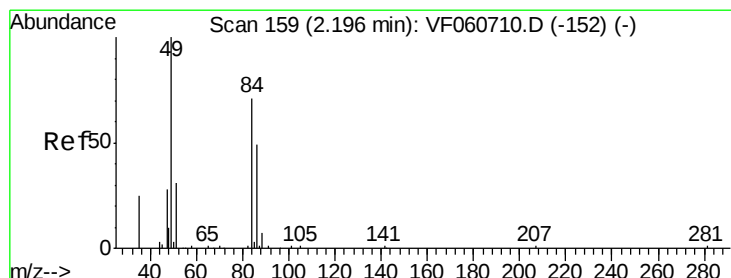
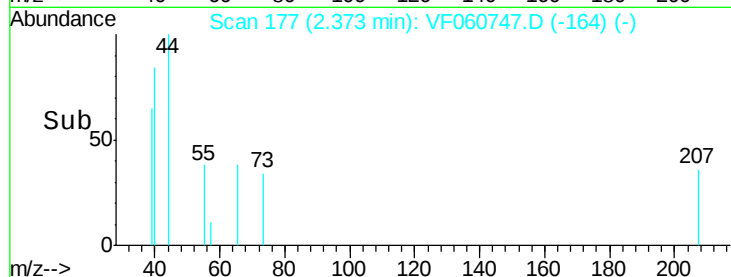
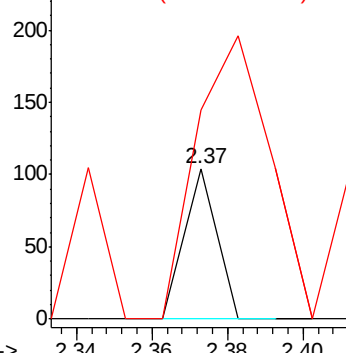
73 100

57 139.4 14.3 21.5#



Abundance Ion 73.00 (72.70 to 73.70): VF0

Ion 57.00 (56.70 to 57.70): VF0



#20

Methylene Chloride

Concen: 58.60 ug/l

RT: 2.12 min Scan# 151

Delta R.T. -0.08 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

Tgt Ion: 84 Resp: 121

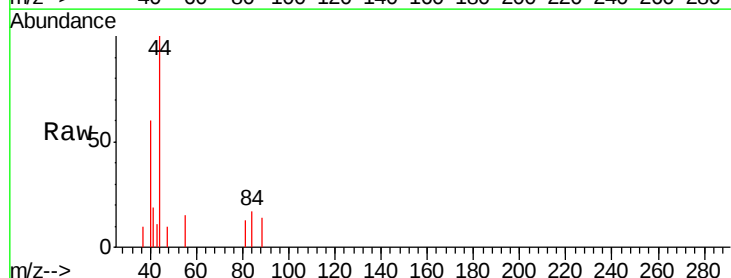
Ion Ratio Lower Upper

84 100

49 0.0 120.2 180.4#

51 0.0 37.2 55.8#

86 0.0 55.1 82.7#

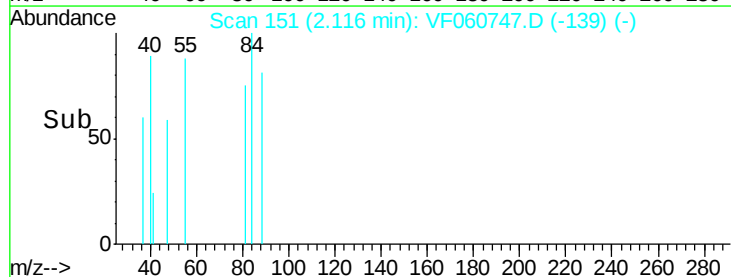
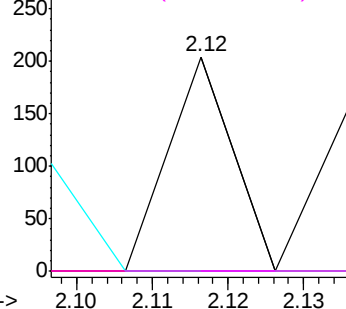


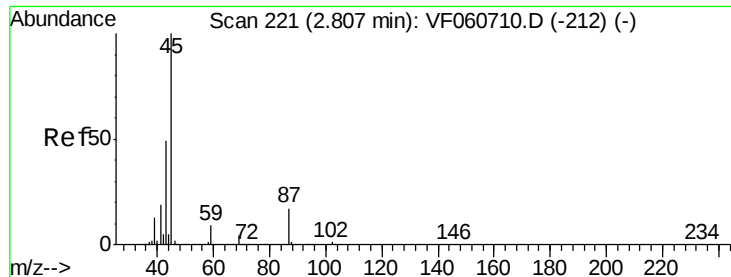
Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#22

Diisopropyl ether

Concen: 13.96 ug/l

RT: 2.83 min Scan# 223

Delta R.T. 0.02 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

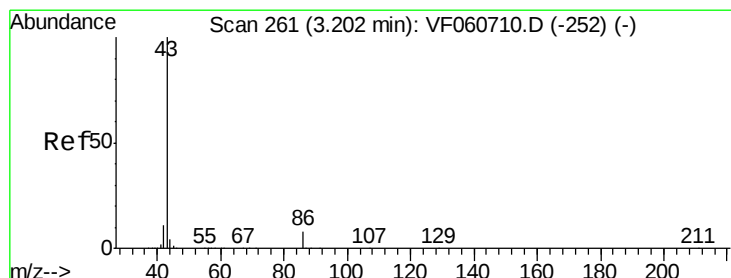
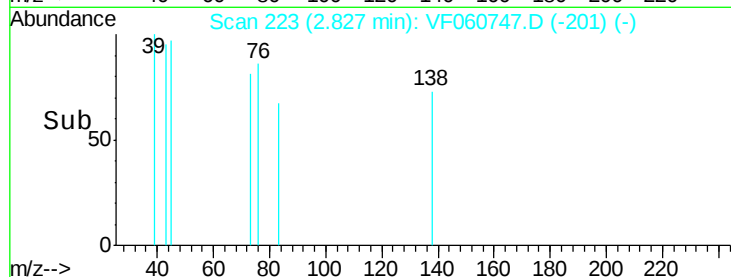
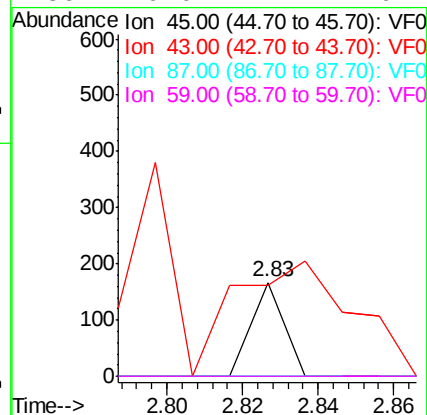
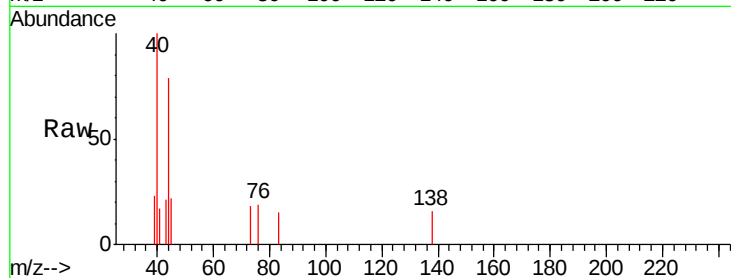
Instrument :

MSVOA_F

ClientSampleId :

32727-45914-21716RE

Tgt Ion:	45	Resp:	99
Ion	Ratio	Lower	Upper
45	100		
43	97.6	39.9	59.9#
87	0.0	13.9	20.9#
59	0.0	7.1	10.7#



#23

Vinyl Acetate

Concen: 132.96 ug/l

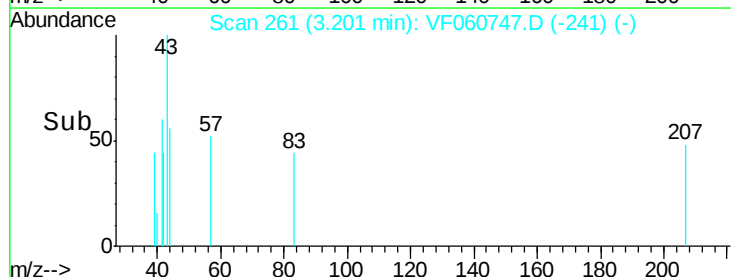
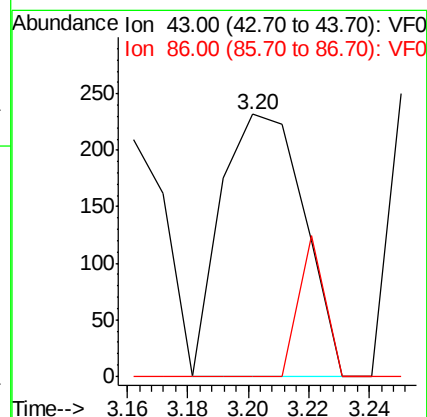
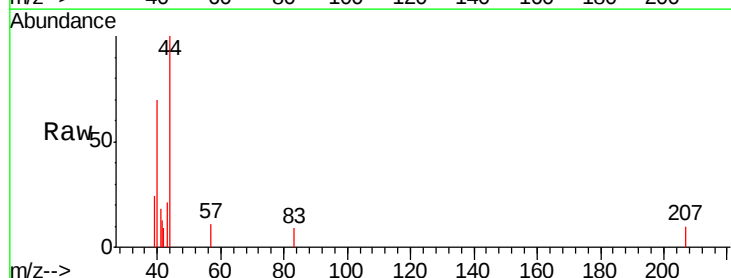
RT: 3.20 min Scan# 261

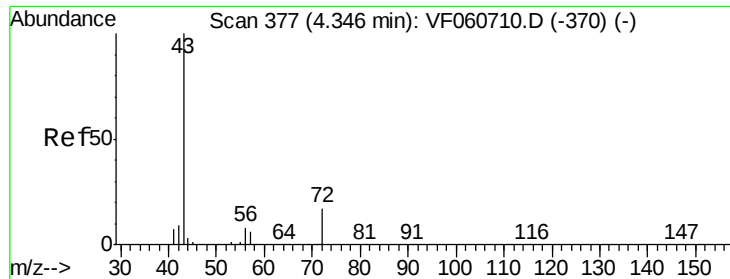
Delta R.T. -0.00 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

Tgt Ion:	43	Resp:	444
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.4	9.6#





#25

2-Butanone

Concen: 179.51 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.03 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

Instrument :

MSVOA_F

ClientSampleId :

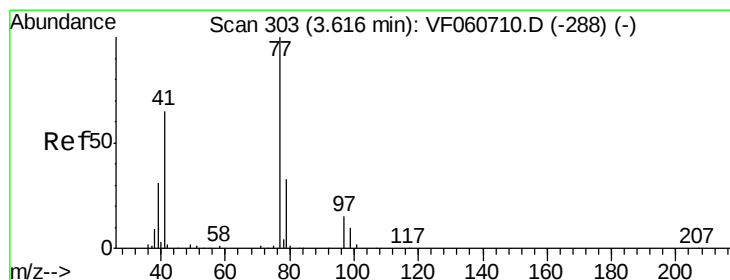
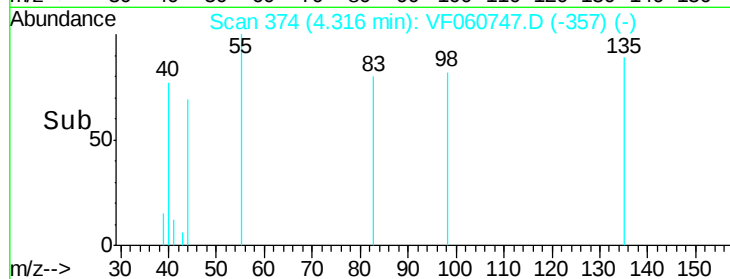
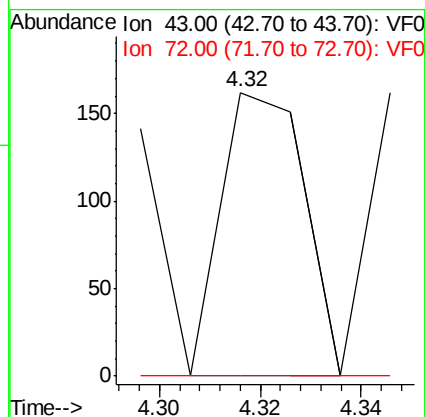
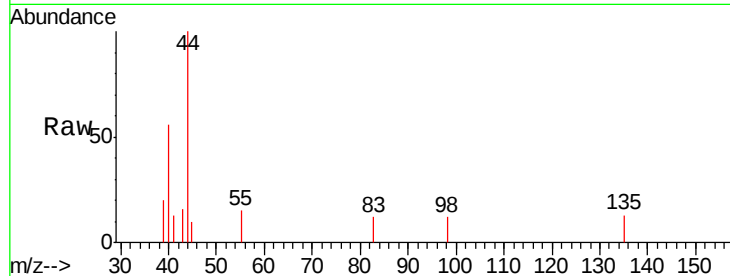
32727-45914-21716RE

Tgt Ion: 43 Resp: 185

Ion Ratio Lower Upper

43 100

72 0.0 16.1 24.1#



#26

2,2-Dichloropropane

Concen: 60.97 ug/l

RT: 3.64 min Scan# 305

Delta R.T. 0.02 min

Lab File: VF060747.D

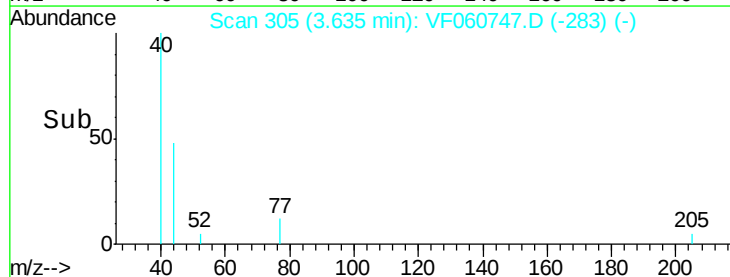
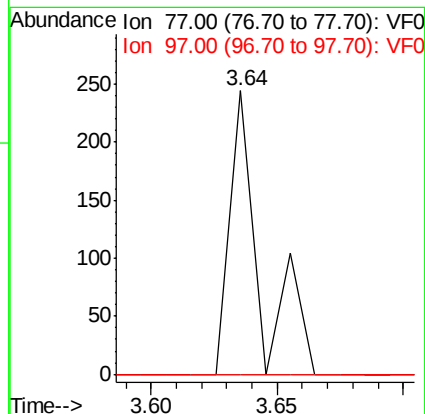
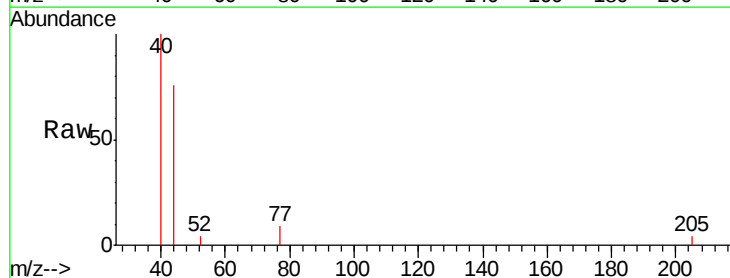
Acq: 15 Nov 2018 15:24

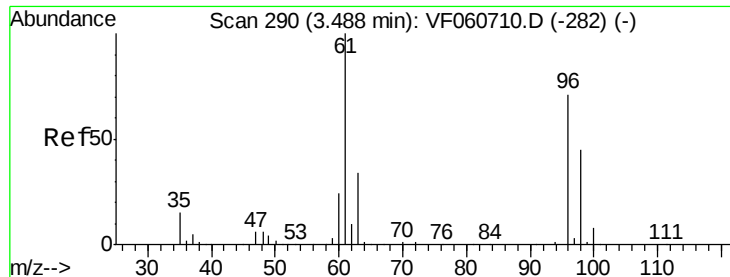
Tgt Ion: 77 Resp: 206

Ion Ratio Lower Upper

77 100

97 0.0 8.8 26.5#





#27

cis-1,2-Dichloroethene

Concen: 17.98 ug/l

RT: 3.42 min Scan# 283

Delta R.T. -0.07 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

Instrument :

MSVOA_F

ClientSampleId :

32727-45914-21716RE

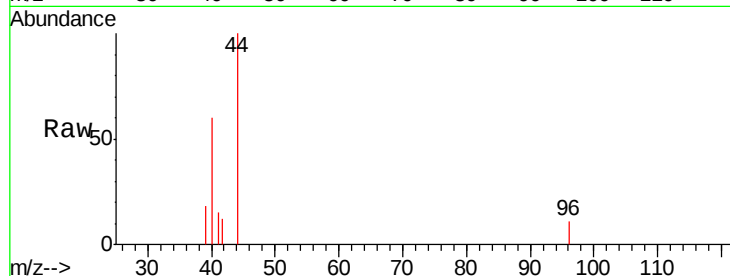
Tgt Ion: 96 Resp: 67

Ion Ratio Lower Upper

96 100

61 0.0 0.0 280.6

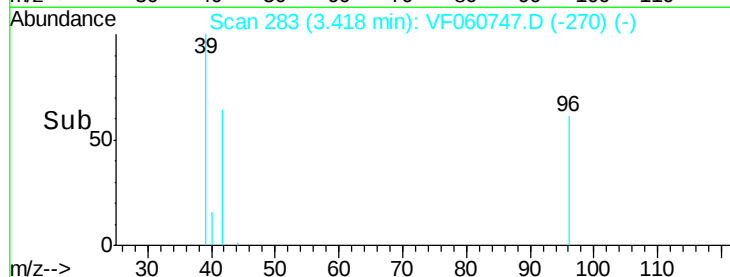
98 0.0 0.0 127.6



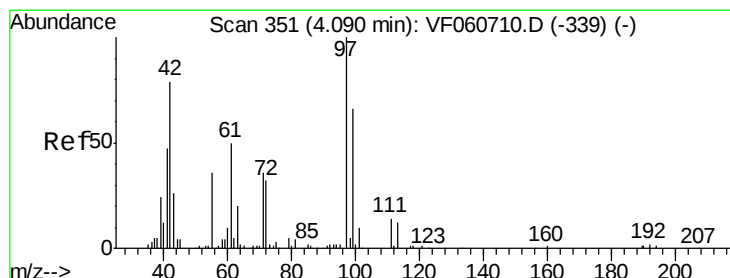
Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



Time--> 3.38 3.40 3.42 3.44



#29

Tetrahydrofuran

Concen: 174.08 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.03 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

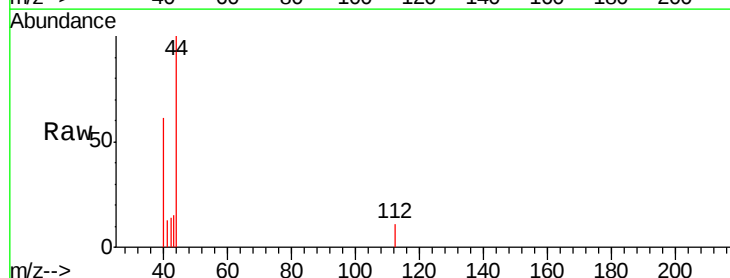
Tgt Ion: 42 Resp: 74

Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

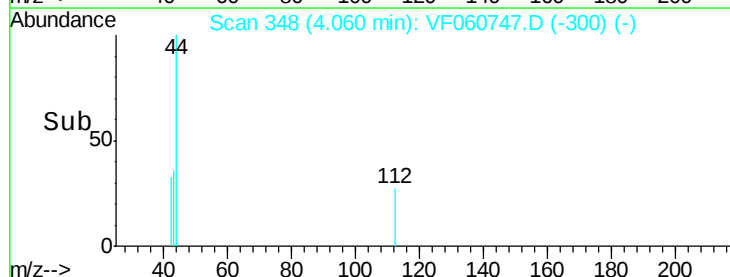
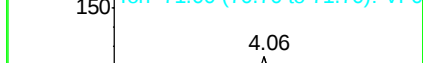
71 0.0 32.2 48.2#



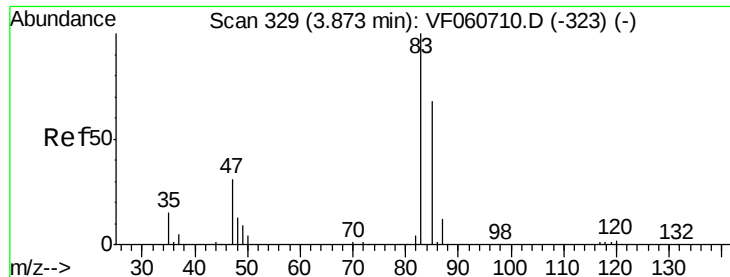
Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



Time--> 4.04 4.05 4.06 4.07



#30

Chloroform

Concen: 10.02 ug/l

RT: 3.90 min Scan# 332

Delta R.T. 0.03 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

Instrument :

MSVOA_F

ClientSampleId :

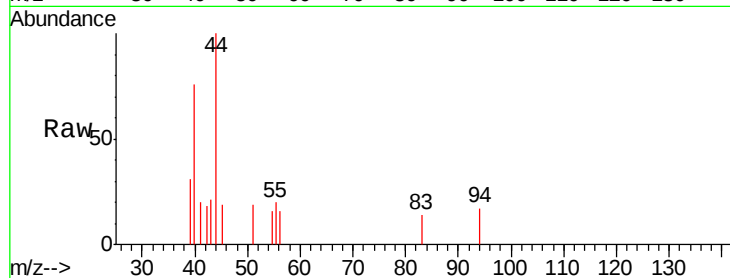
32727-45914-21716RE

Tgt Ion: 83 Resp: 69

Ion Ratio Lower Upper

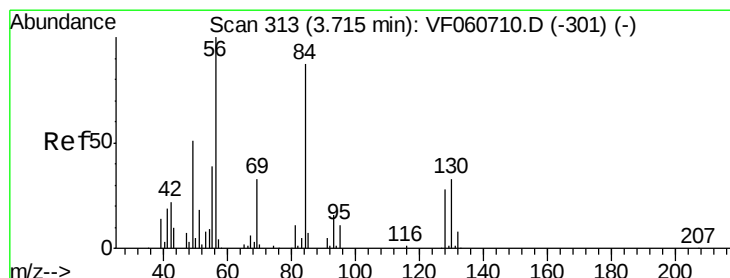
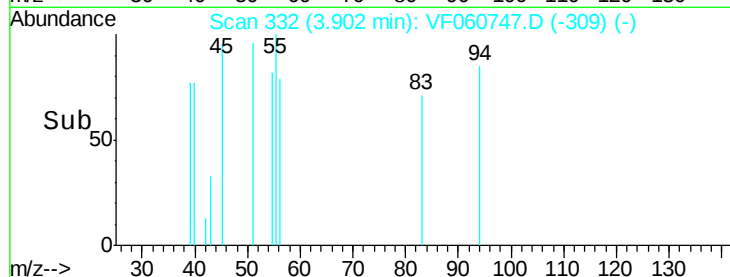
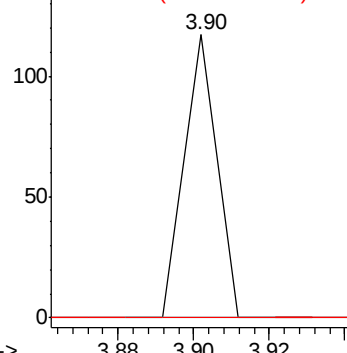
83 100

85 0.0 54.6 82.0#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#31

Cyclohexane

Concen: 47.59 ug/l

RT: 3.74 min Scan# 316

Delta R.T. 0.03 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

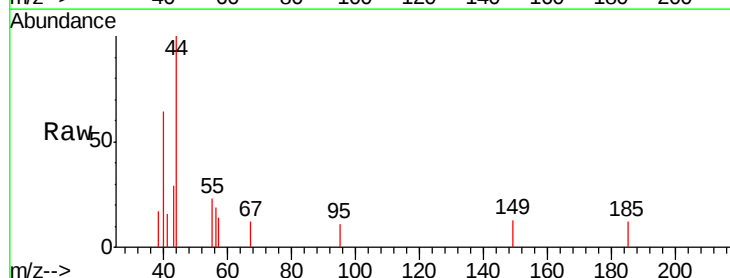
Tgt Ion: 56 Resp: 248

Ion Ratio Lower Upper

56 100

69 0.0 26.0 39.0#

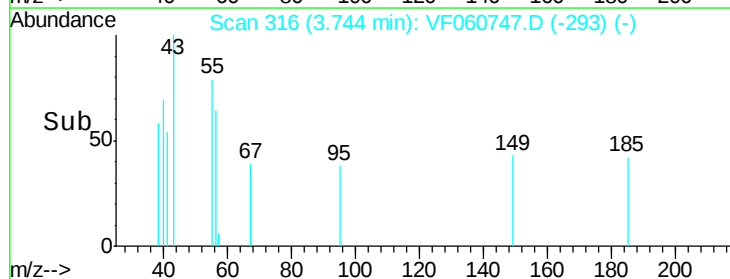
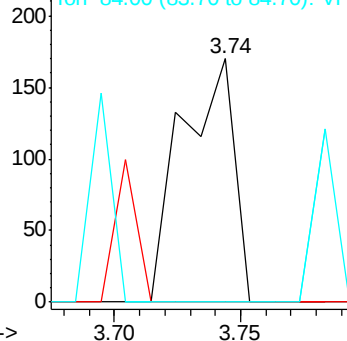
84 0.0 69.4 104.2#

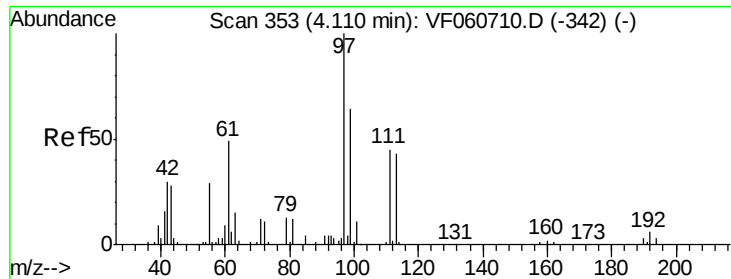


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0





#32

1,1,1-Trichloroethane

Concen: 12.72 ug/l

RT: 4.18 min Scan# 360

Delta R.T. 0.07 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

Instrument :

MSVOA_F

ClientSampleId :

32727-45914-21716RE

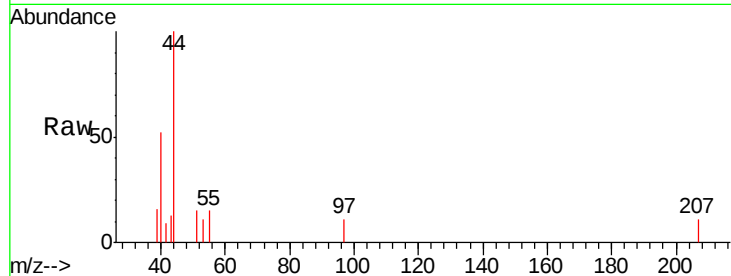
Tgt Ion: 97 Resp: 69

Ion Ratio Lower Upper

97 100

99 0.0 51.1 76.7#

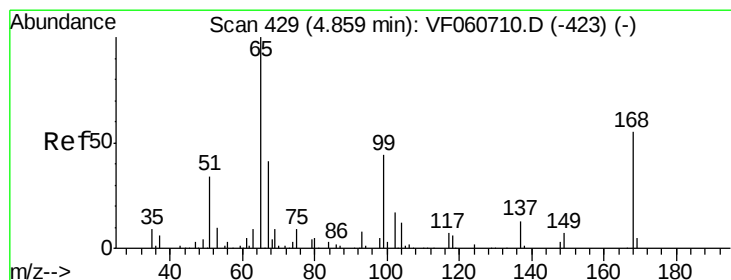
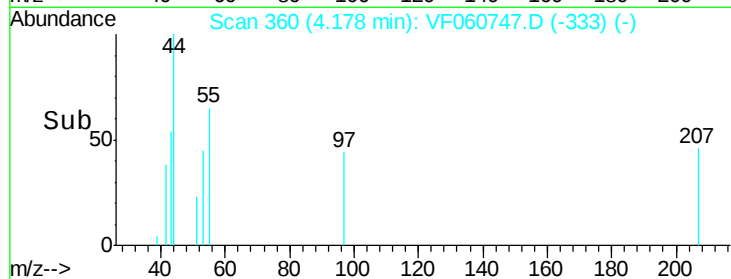
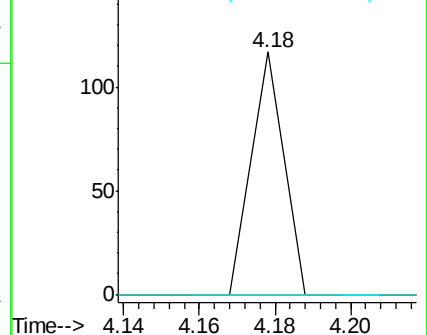
61 0.0 40.1 60.1#



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: 21.15 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.02 min

Lab File: VF060747.D

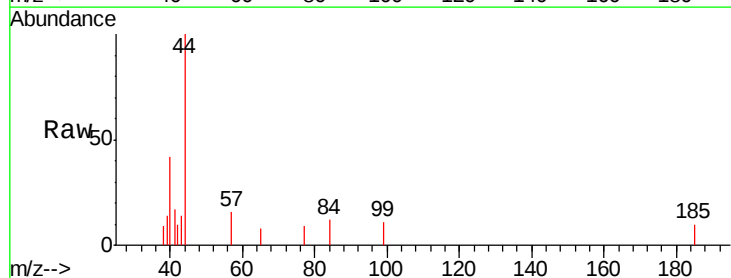
Acq: 15 Nov 2018 15:24

Tgt Ion: 65 Resp: 62

Ion Ratio Lower Upper

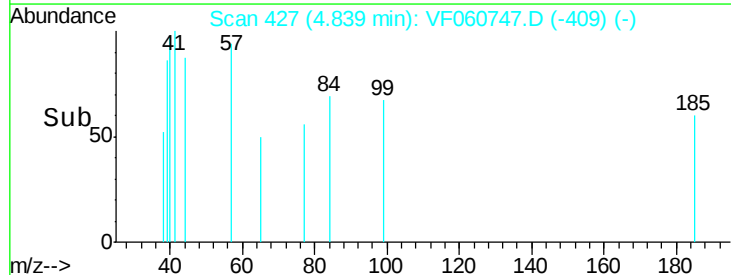
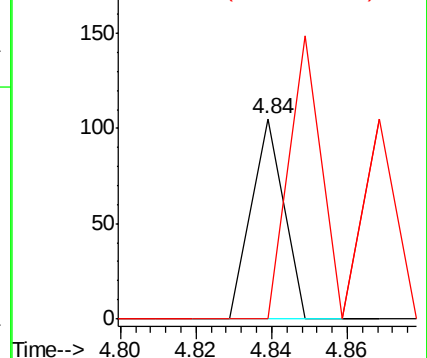
65 100

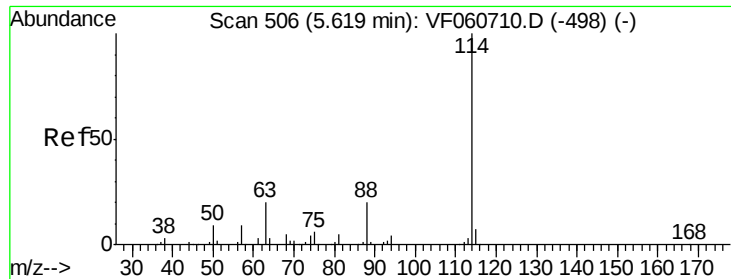
67 0.0 0.0 90.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.02 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

Instrument :

MSVOA_F

ClientSampleId :

32727-45914-21716RE

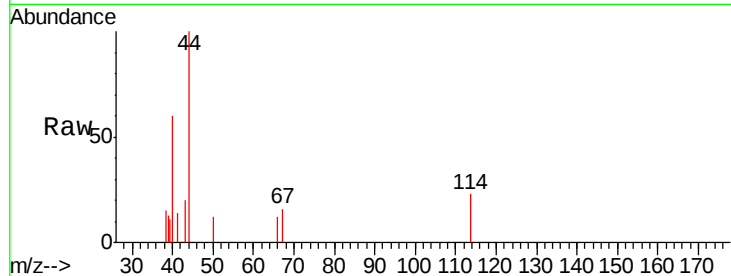
Tgt Ion:114 Resp: 463

Ion Ratio Lower Upper

114 100

63 0.0 0.0 40.8

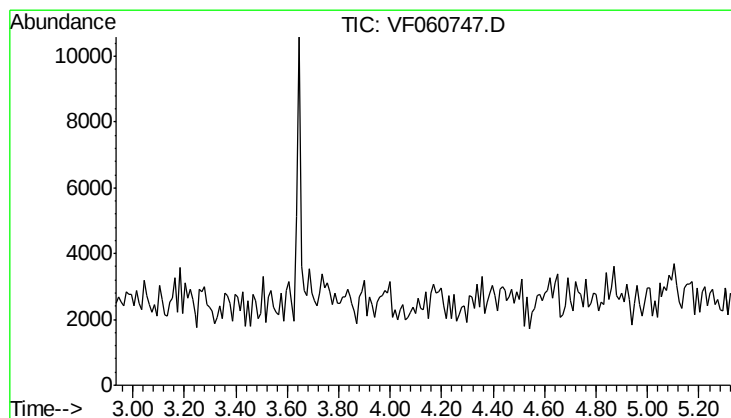
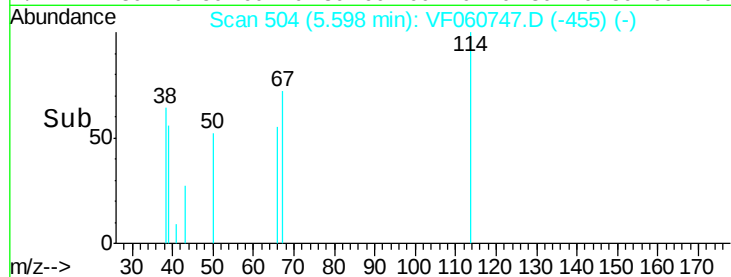
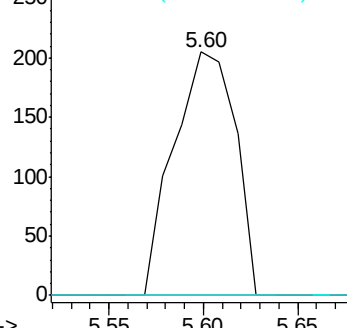
88 0.0 0.0 39.6



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: 0.00 ug/l

Expected RT: 4.13 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

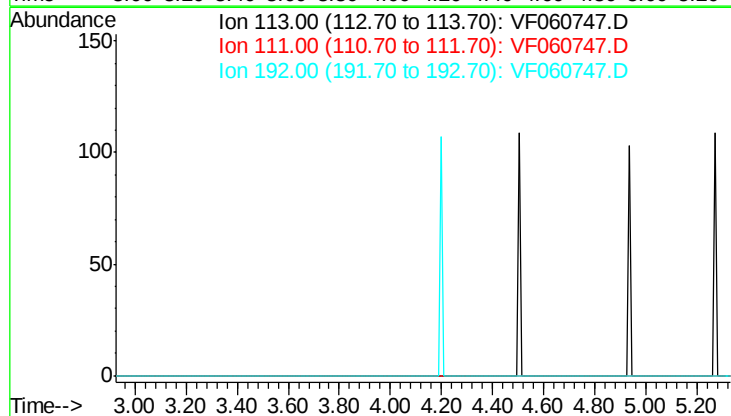
Tgt Ion: 113

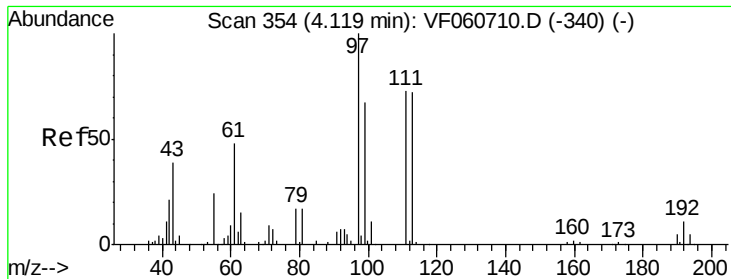
Sig Exp Ratio

113 100

111 108.9

192 17.2

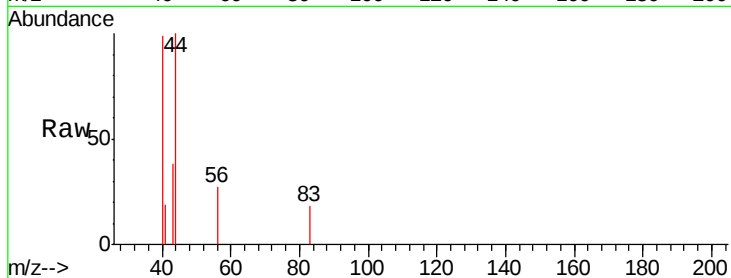




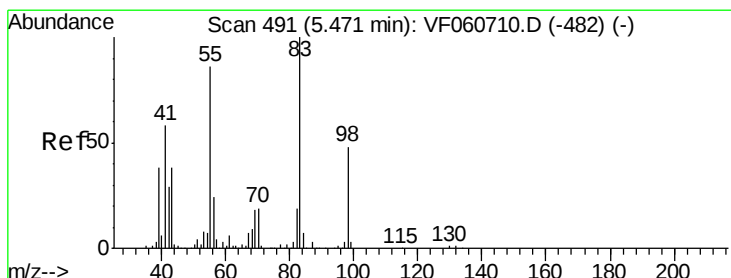
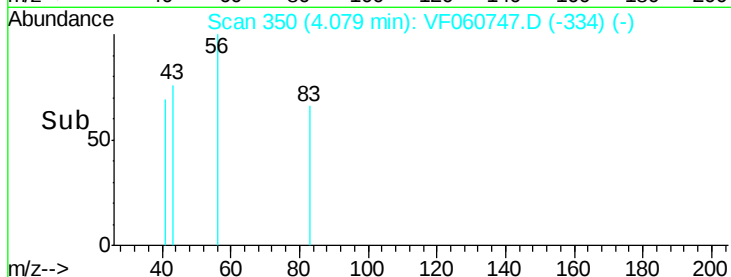
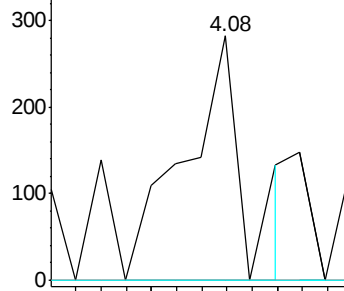
#37
 Ethyl Acetate
 Concen: 236.93 ug/l
 RT: 4.08 min Scan# 350
 Delta R.T. -0.04 min
 Lab File: VF060747.D
 Acq: 15 Nov 2018 15:24

Instrument :
 MSVOA_F
 ClientSampleId :
 32727-45914-21716RE

Tgt Ion: 43 Resp: 473
 Ion Ratio Lower Upper
 43 100
 61 0.0 98.5 147.7#
 70 0.0 7.4 11.0#

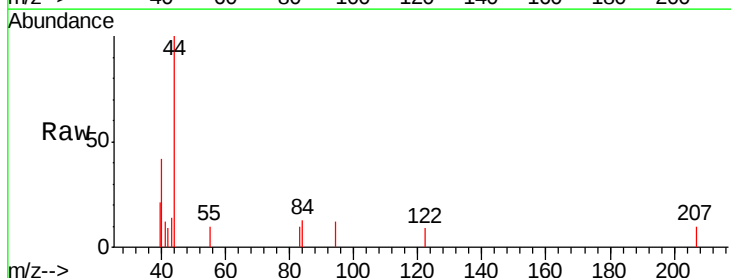


Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 70.00 (69.70 to 70.70): VF0

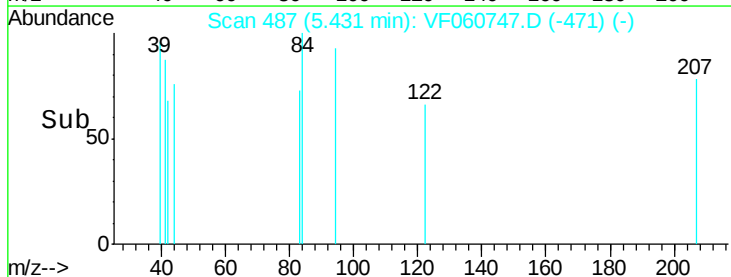
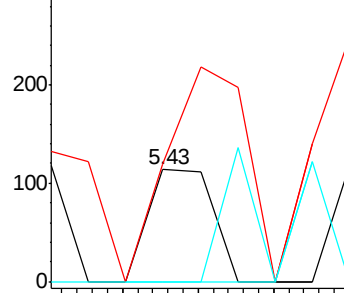


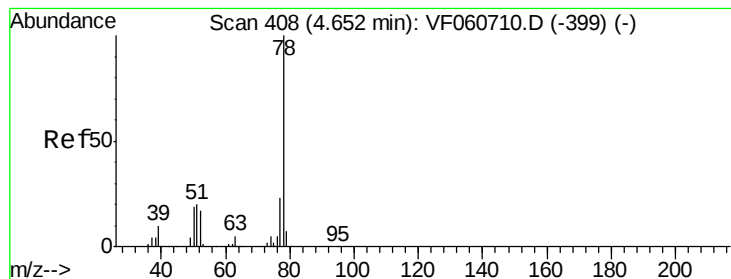
#39
 Methylcyclohexane
 Concen: 21.35 ug/l
 RT: 5.43 min Scan# 487
 Delta R.T. -0.04 min
 Lab File: VF060747.D
 Acq: 15 Nov 2018 15:24

Tgt Ion: 83 Resp: 133
 Ion Ratio Lower Upper
 83 100
 55 104.4 69.0 103.4#
 98 0.0 38.5 57.7#



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: 26.82 ug/l

RT: 4.62 min Scan# 405

Delta R.T. -0.03 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

Instrument :

MSVOA_F

ClientSampleId :

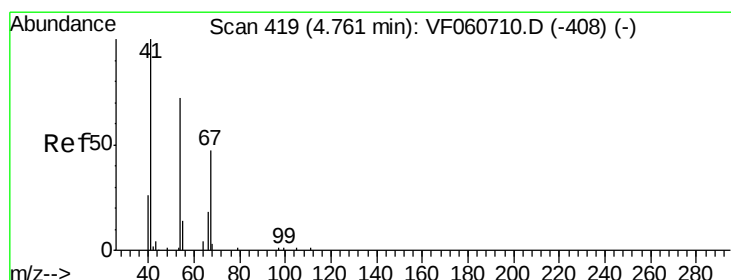
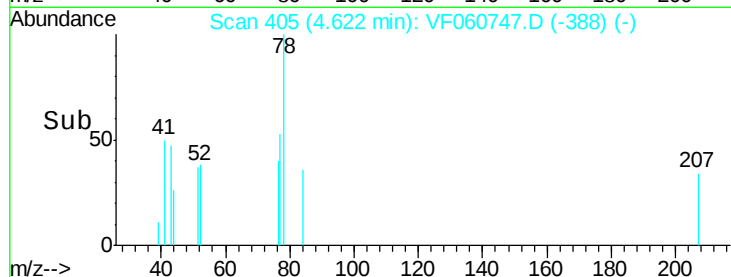
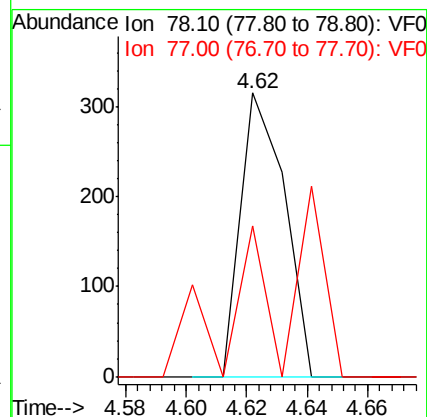
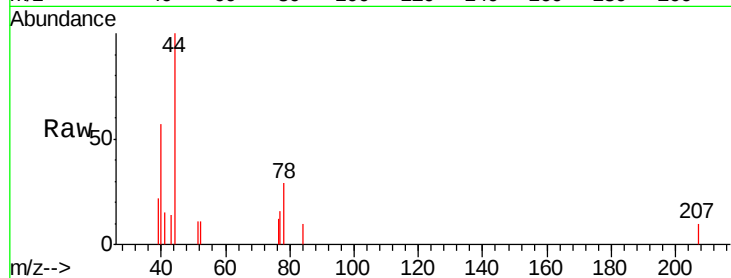
32727-45914-21716RE

Tgt Ion: 78 Resp: 321

Ion Ratio Lower Upper

78 100

77 53.3 18.6 28.0#



#41

Methacrylonitrile

Concen: 395.39 ug/l

RT: 4.76 min Scan# 419

Delta R.T. -0.00 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

Tgt Ion: 41 Resp: 389

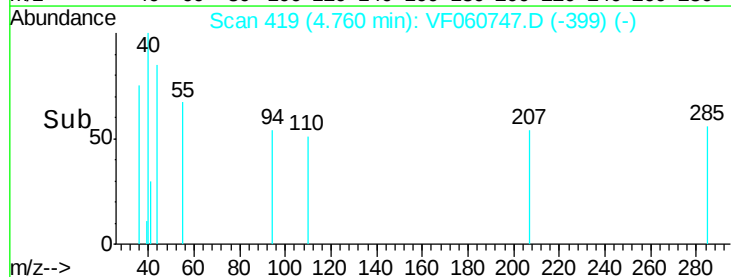
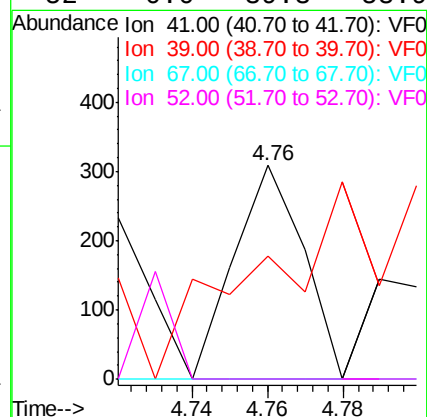
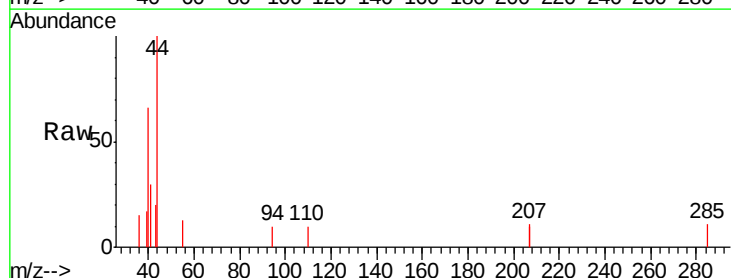
Ion Ratio Lower Upper

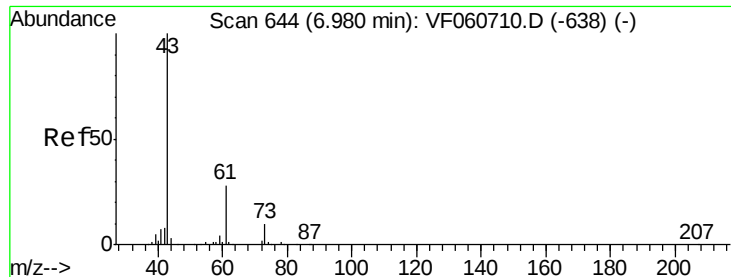
41 100

39 57.6 47.1 70.7

67 0.0 37.1 55.7#

52 0.0 39.3 58.9#





#43

Isopropyl Acetate

Concen: 49.11 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.03 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

Instrument :

MSVOA_F

ClientSampleId :

32727-45914-21716RE

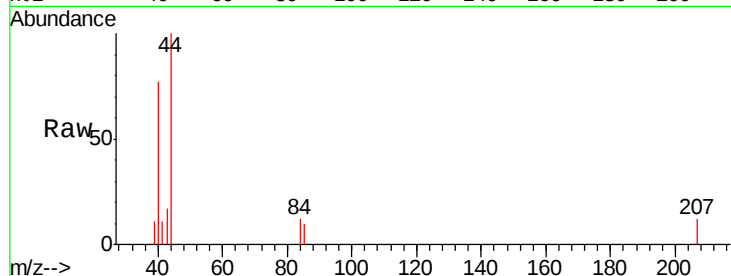
Tgt Ion: 43 Resp: 130

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

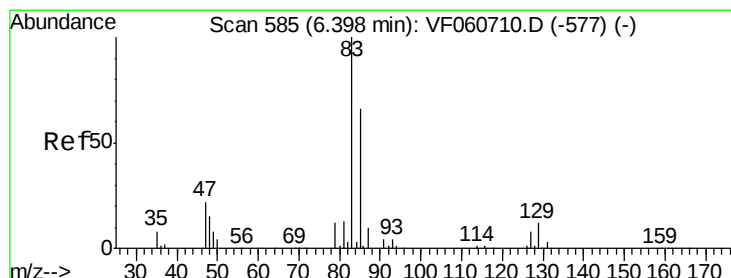
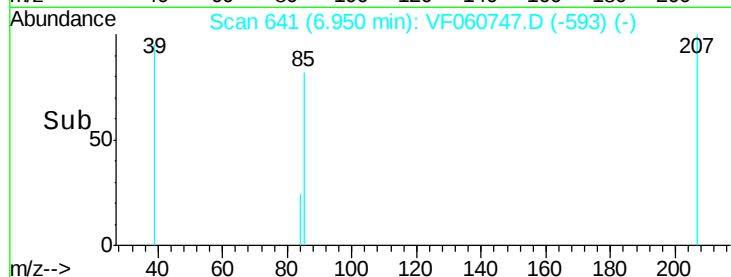
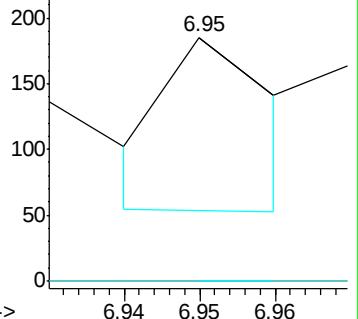
87 0.0 0.4 0.6#



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



#47

Bromodichloromethane

Concen: 14.09 ug/l

RT: 6.45 min Scan# 590

Delta R.T. 0.05 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

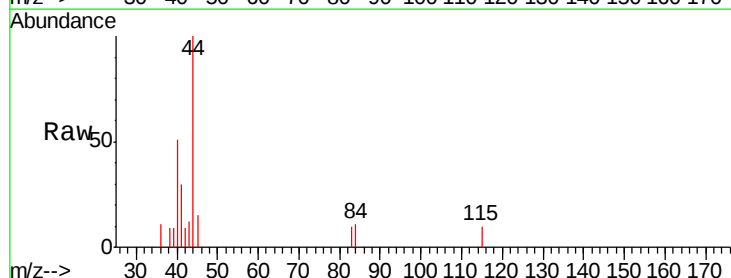
Tgt Ion: 83 Resp: 74

Ion Ratio Lower Upper

83 100

85 0.0 52.4 78.6#

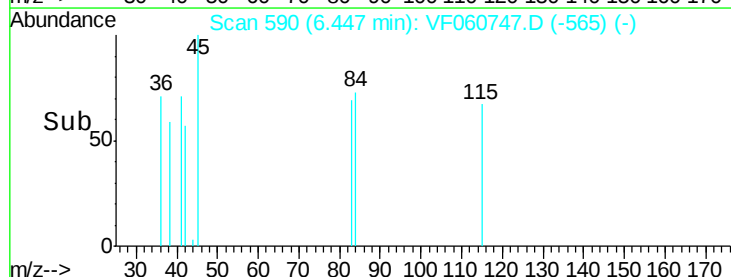
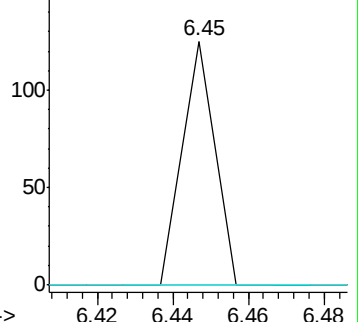
127 0.0 6.8 10.2#

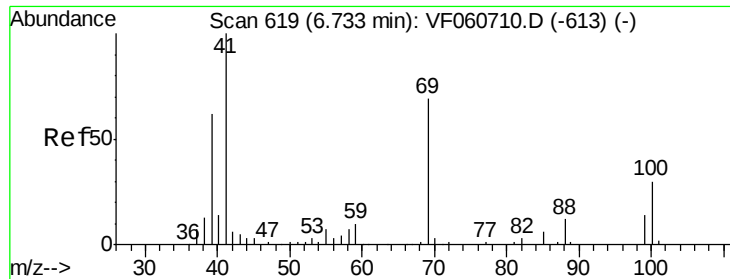


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V

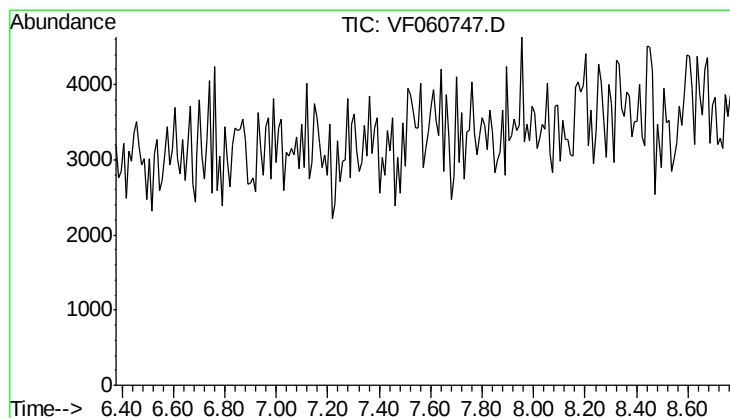
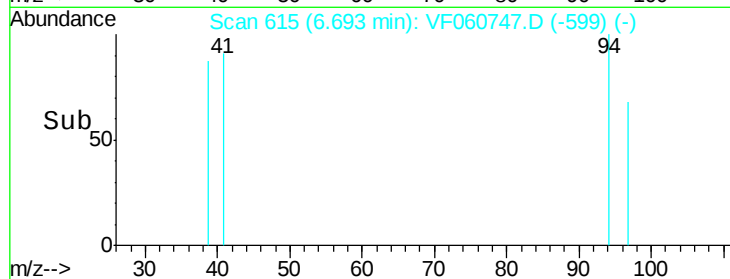
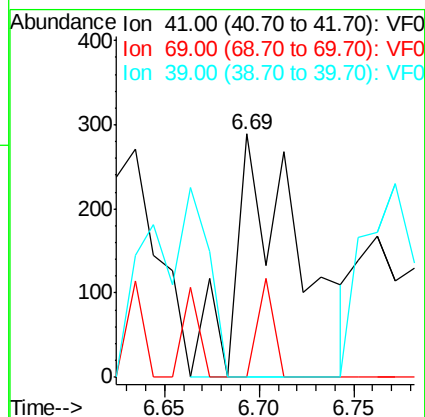
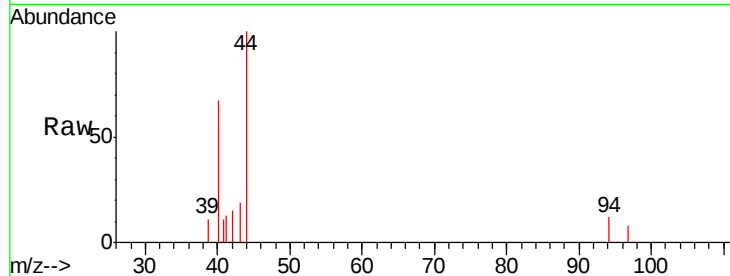




#48
Methyl methacrylate
Concen: 383.61 ug/l
RT: 6.69 min Scan# 615
Delta R.T. -0.04 min
Lab File: VF060747.D
Acq: 15 Nov 2018 15:24

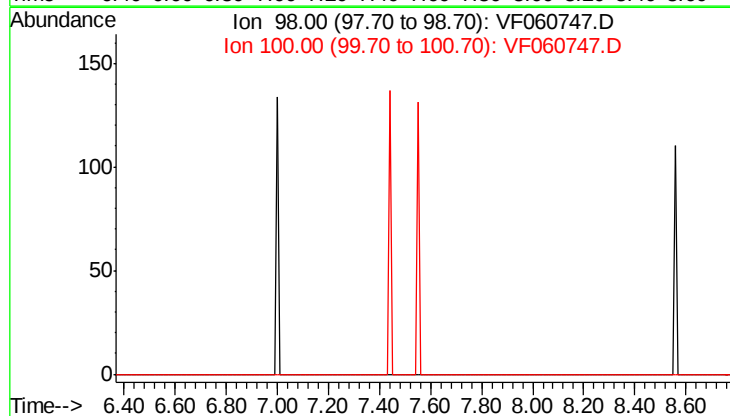
Instrument :
MSVOA_F
ClientSampleId :
32727-45914-21716RE

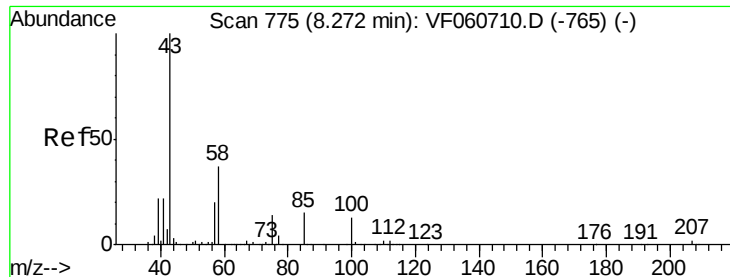
Tgt Ion: 41 Resp: 672
Ion Ratio Lower Upper
41 100
69 0.0 54.9 82.3#
39 0.0 49.6 74.4#



#50
Toluene-d8
Concen: 0.00 ug/l
Expected RT: 7.57 min
Lab File: VF060747.D
Acq: 15 Nov 2018 15:24

Tgt Ion: 98
Sig Exp Ratio
98 100
100 70.6





#51

4-Methyl-2-Pentanone

Concen: 314.99 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

Instrument :

MSVOA_F

ClientSampleId :

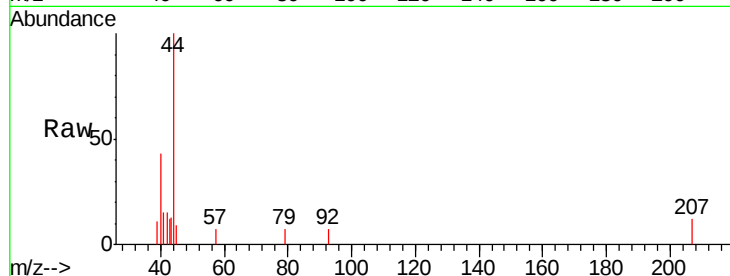
32727-45914-21716RE

Tgt Ion: 43 Resp: 603

Ion Ratio Lower Upper

43 100

58 0.0 29.2 43.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.26

400

300

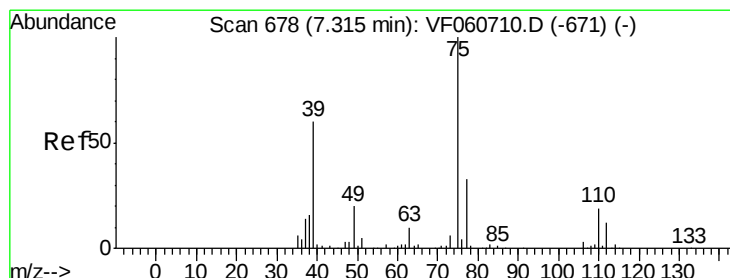
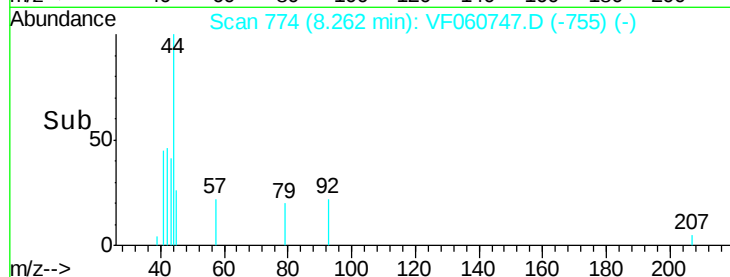
200

100

0

8.24 8.26 8.28

Time-->



#54

cis-1,3-Dichloropropene

Concen: 12.63 ug/l

RT: 7.12 min Scan# 658

Delta R.T. -0.20 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

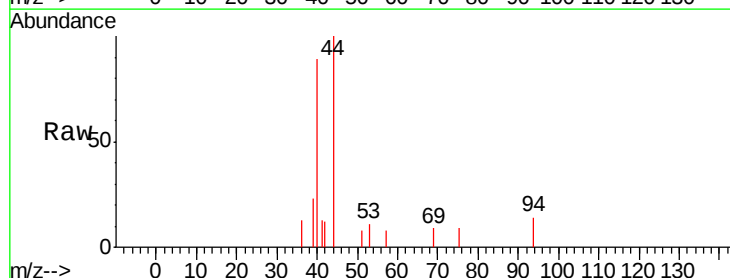
Tgt Ion: 75 Resp: 69

Ion Ratio Lower Upper

75 100

77 0.0 26.5 39.7#

39 258.1 48.5 72.7#



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

400

300

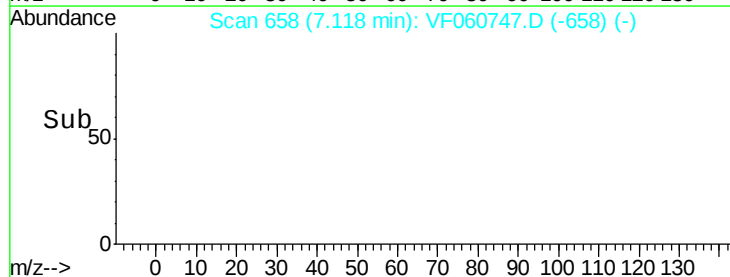
200

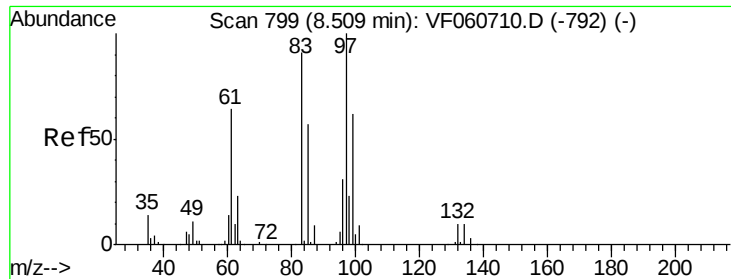
100

0

7.10 7.12 7.14

Time-->





#55

1,1,2-Trichloroethane

Concen: 30.11 ug/l

RT: 8.57 min Scan# 805

Delta R.T. 0.06 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

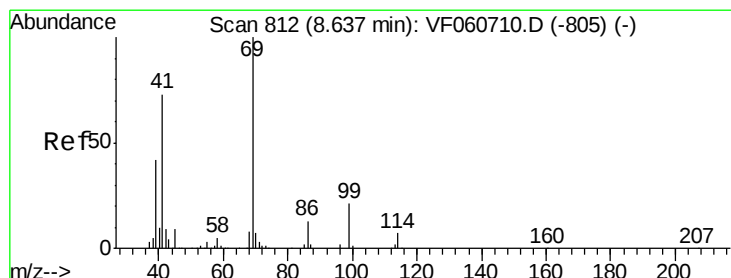
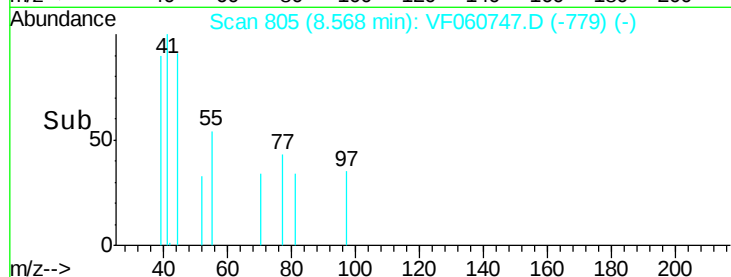
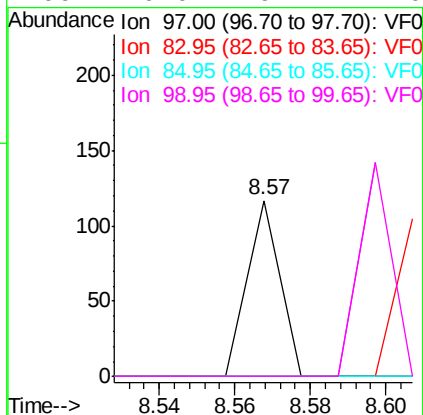
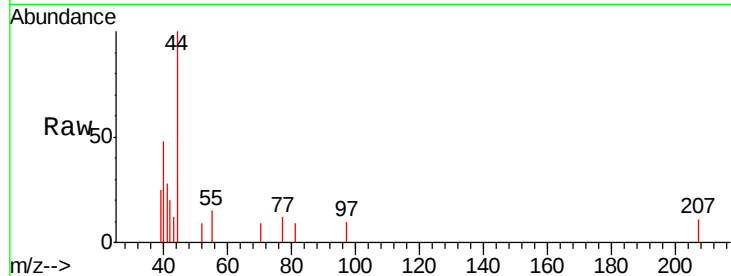
Instrument :

MSVOA_F

ClientSampleId :

32727-45914-21716RE

Tgt Ion:	97	Resp:	69
Ion	Ratio	Lower	Upper
97	100		
83	0.0	72.8	109.2#
85	0.0	45.8	68.6#
99	0.0	49.4	74.0#



#56

Ethyl methacrylate

Concen: 170.58 ug/l

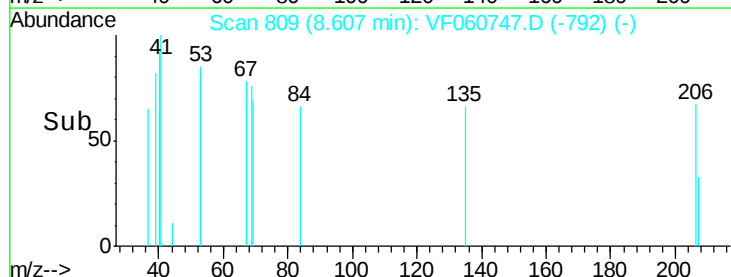
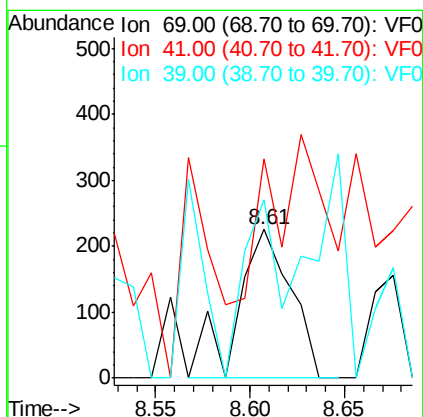
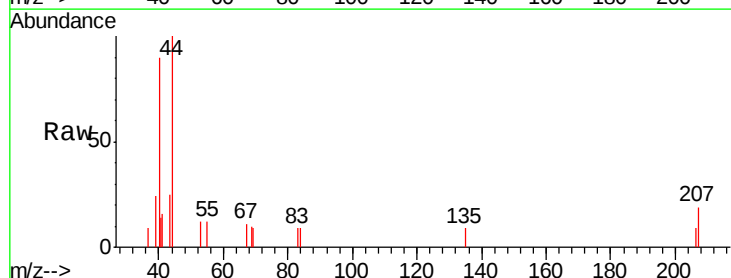
RT: 8.61 min Scan# 809

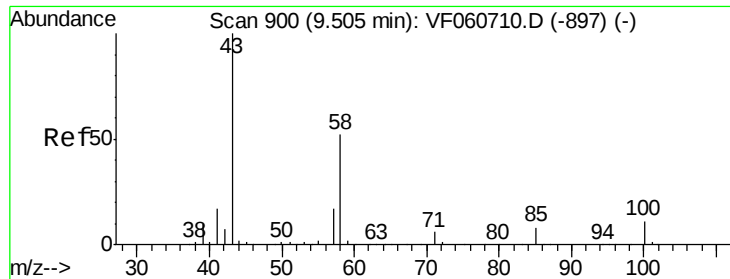
Delta R.T. -0.03 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

Tgt Ion:	69	Resp:	444
Ion	Ratio	Lower	Upper
69	100		
41	148.0	59.0	88.6#
39	120.0	34.0	51.0#

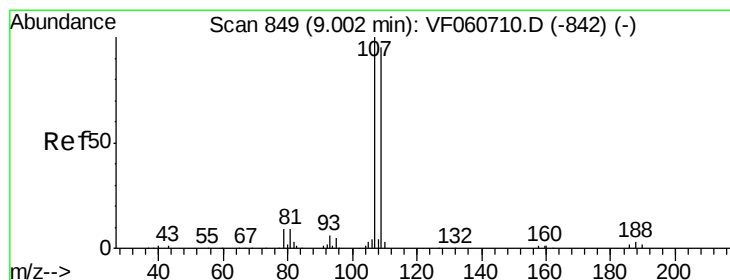
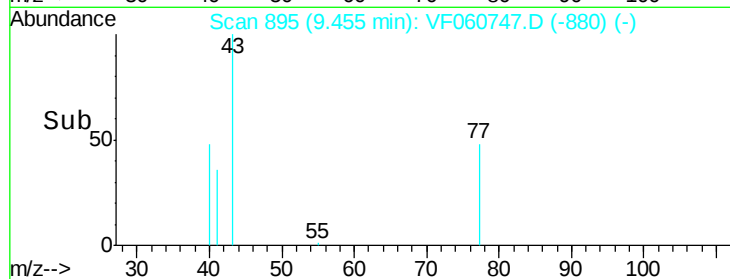
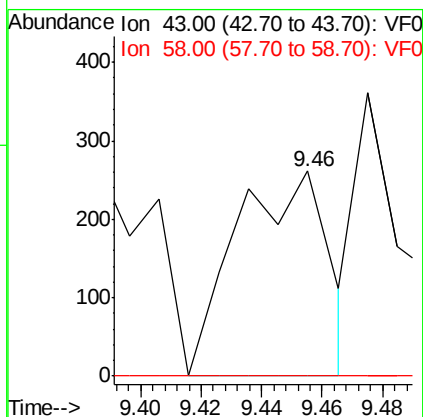
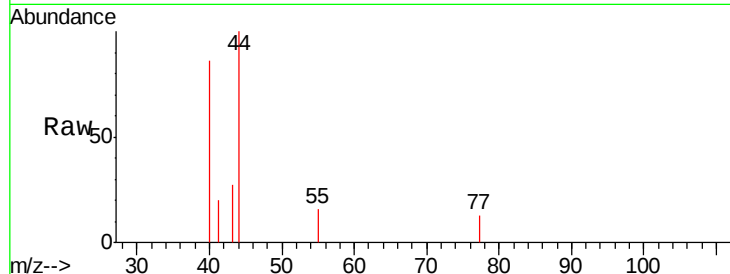




#59
2-Hexanone
Concen: 412.53 ug/l
RT: 9.46 min Scan# 895
Delta R.T. -0.05 min
Lab File: VF060747.D
Acq: 15 Nov 2018 15:24

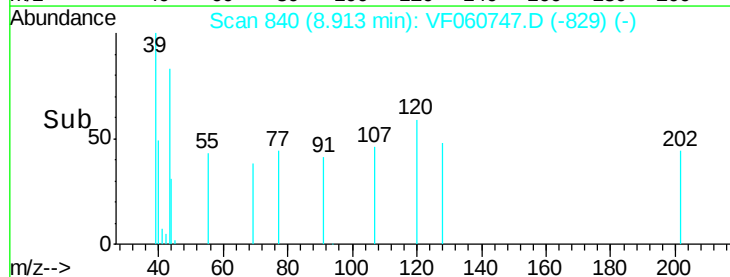
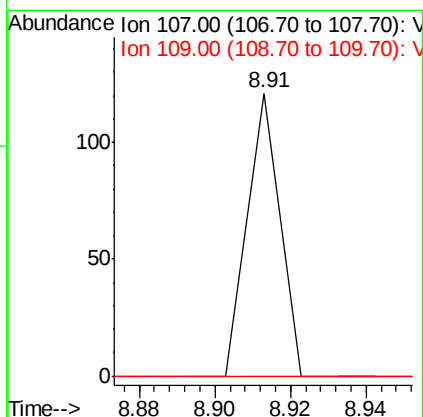
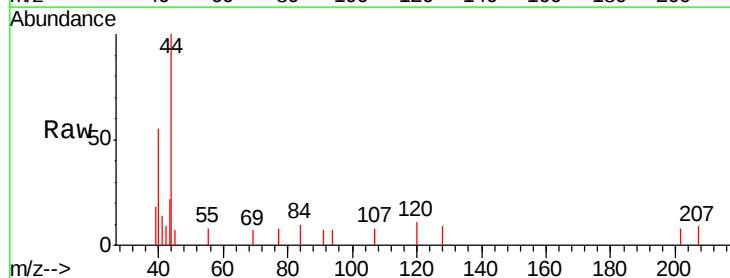
Instrument :
MSVOA_F
ClientSampleId :
32727-45914-21716RE

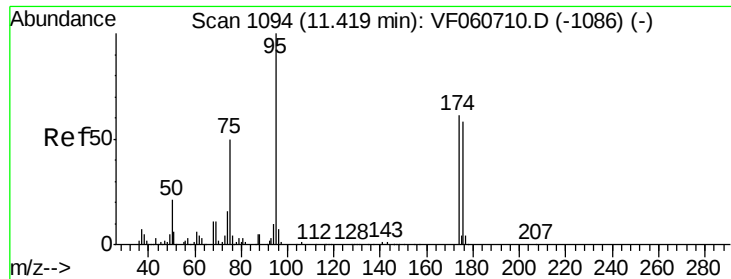
Tgt Ion: 43 Resp: 555
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.7#



#61
1,2-Dibromoethane
Concen: 29.87 ug/l
RT: 8.91 min Scan# 840
Delta R.T. -0.09 min
Lab File: VF060747.D
Acq: 15 Nov 2018 15:24

Tgt Ion: 107 Resp: 72
Ion Ratio Lower Upper
107 100
109 0.0 75.9 113.9#





#62

4-Bromofluorobenzene

Concen: 68.51 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

Instrument :

MSVOA_F

ClientSampleId :

32727-45914-21716RE

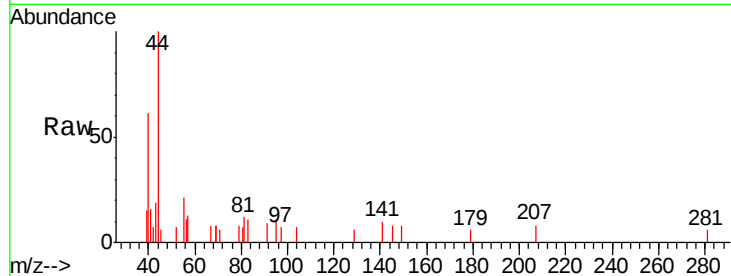
Tgt Ion: 95 Resp: 276

Ion Ratio Lower Upper

95 100

174 0.0 0.0 121.6

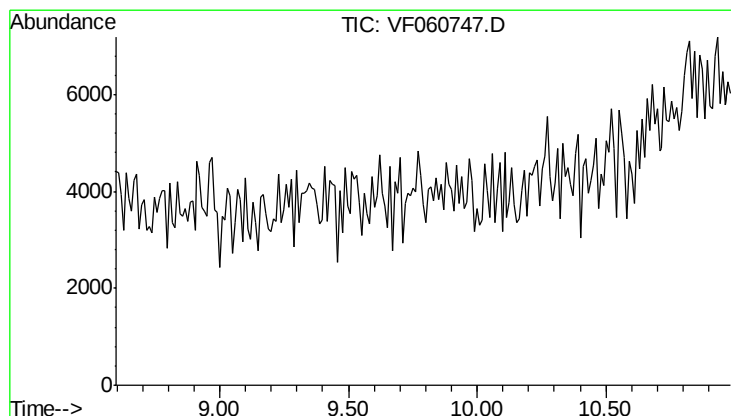
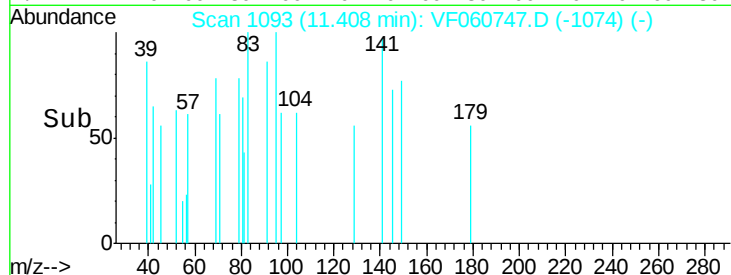
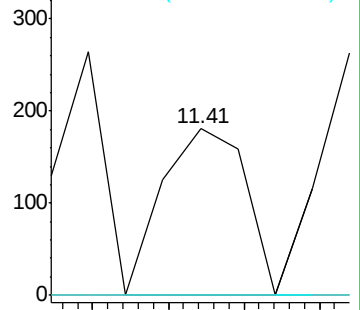
176 0.0 0.0 115.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 0.00 ug/l

Expected RT: 9.79 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

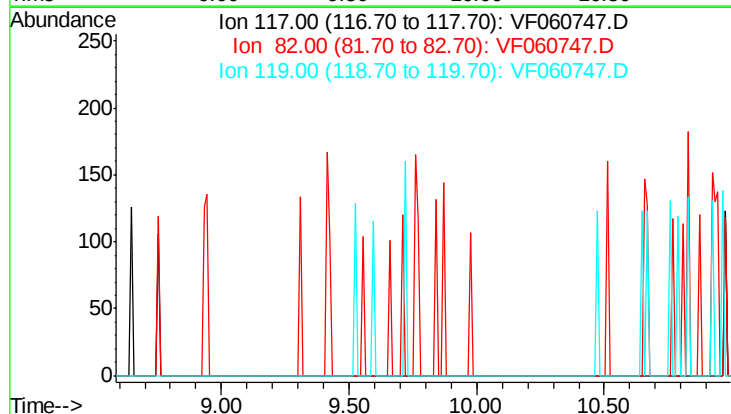
Tgt Ion: 117

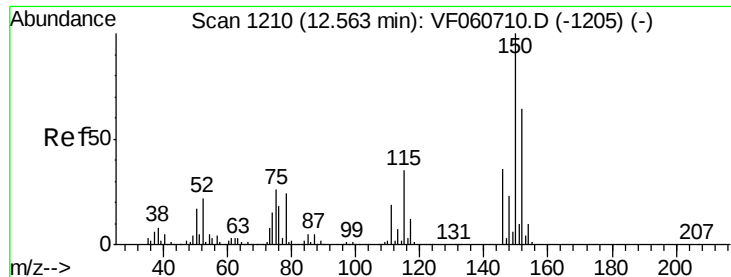
Sig Exp Ratio

117 100

82 59.9

119 33.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.58 min Scan# 1212

Delta R.T. 0.02 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

Instrument :

MSVOA_F

ClientSampleId :

32727-45914-21716RE

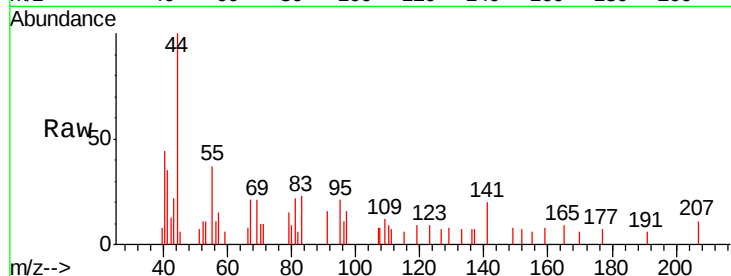
Tgt Ion:152 Resp: 213

Ion Ratio Lower Upper

152 100

115 88.5 27.9 83.7#

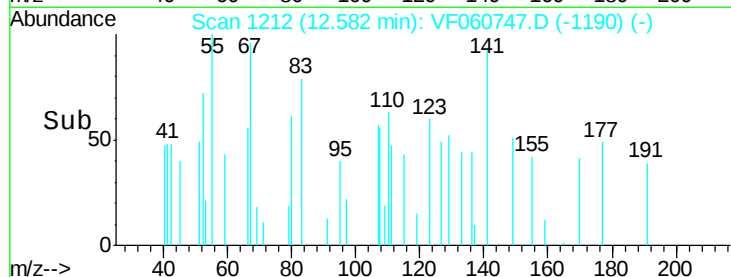
150 0.0 0.0 316.4



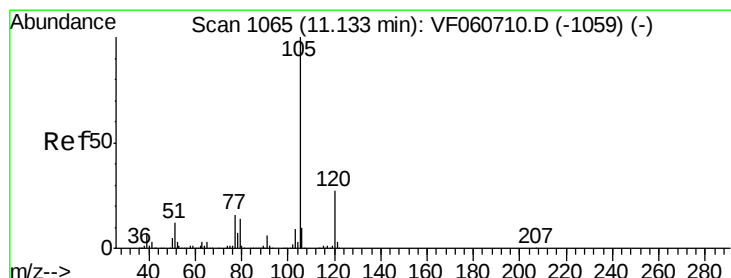
Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



Time-->



#73

Isopropylbenzene

Concen: 9.62 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VF060747.D

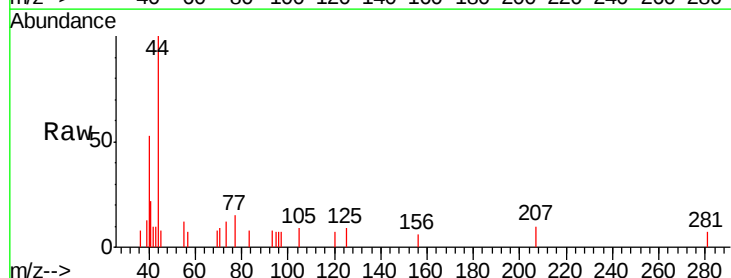
Acq: 15 Nov 2018 15:24

Tgt Ion:105 Resp: 165

Ion Ratio Lower Upper

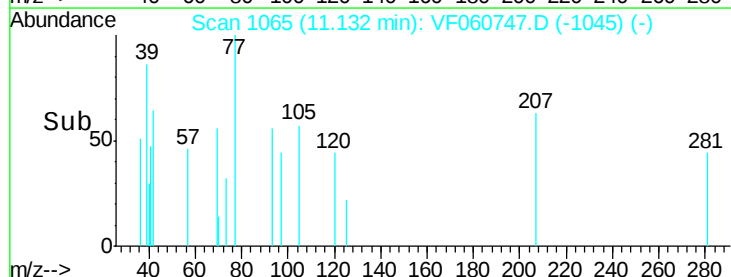
105 100

120 77.4 13.4 40.1#

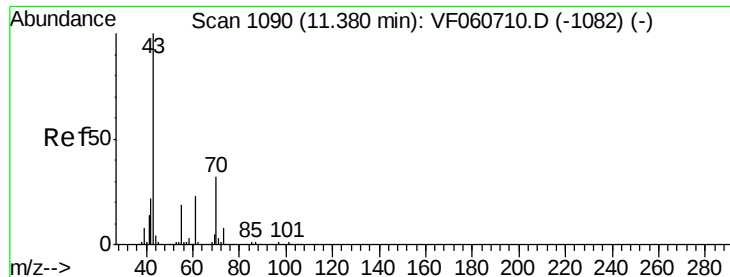


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 86.09 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.02 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

Instrument :

MSVOA_F

ClientSampleId :

32727-45914-21716RE

Tgt Ion: 43 Resp: 336

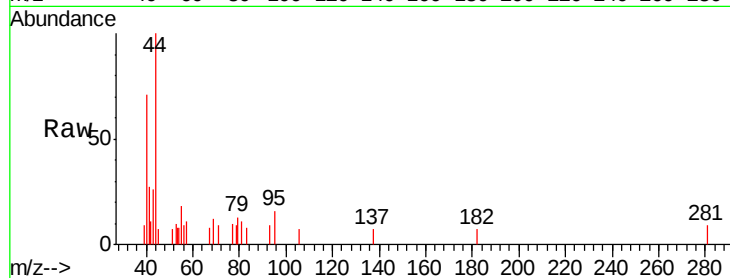
Ion Ratio Lower Upper

43 100

70 0.0 25.5 38.3#

55 69.3 14.9 22.3#

61 0.0 18.6 27.8#

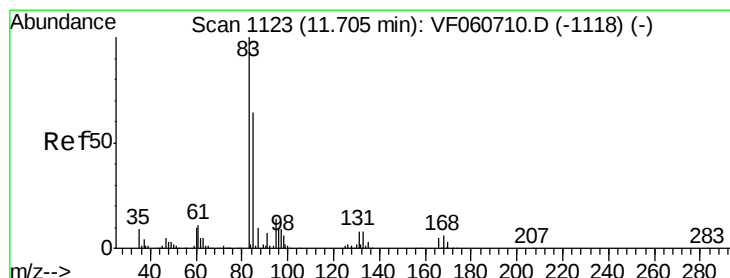
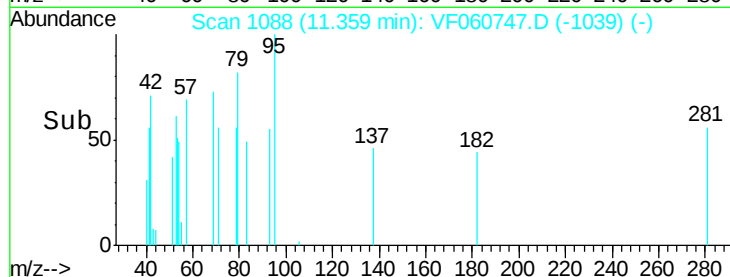
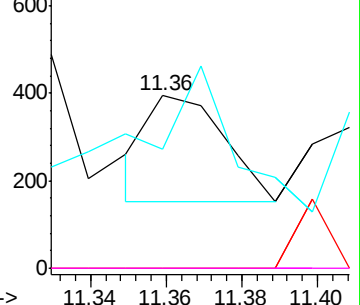


Abundance Ion 43.00 (42.70 to 43.70): VF0

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



#75

1,1,2,2-Tetrachloroethane

Concen: 91.37 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. 0.02 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

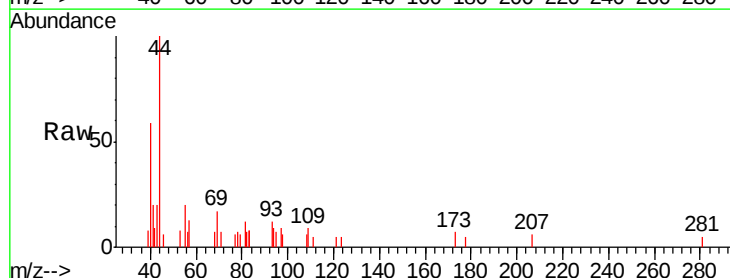
Tgt Ion: 83 Resp: 259

Ion Ratio Lower Upper

83 100

131 0.0 4.2 12.4#

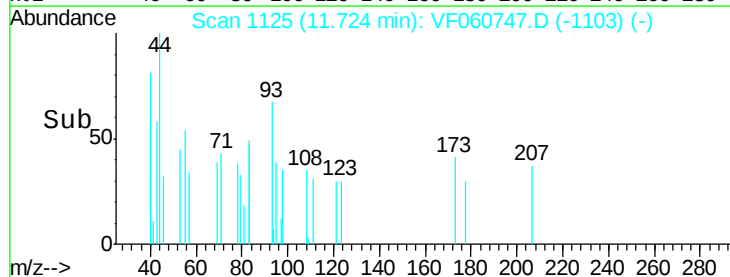
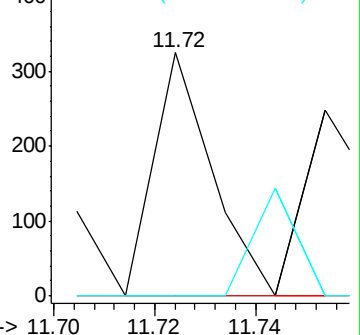
85 0.0 32.0 96.2#

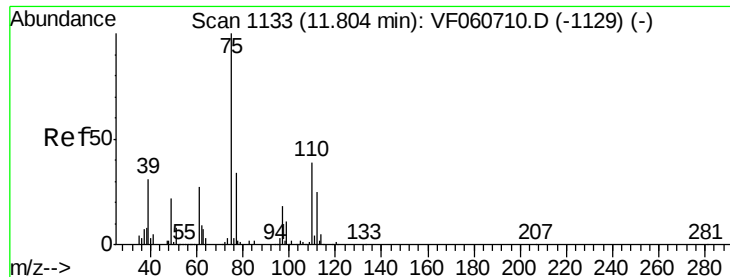


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0





#76

1,2,3-Trichloropropane

Concen: 34.20 ug/l

RT: 11.67 min Scan# 1120

Delta R.T. -0.13 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

Instrument :

MSVOA_F

ClientSampleId :

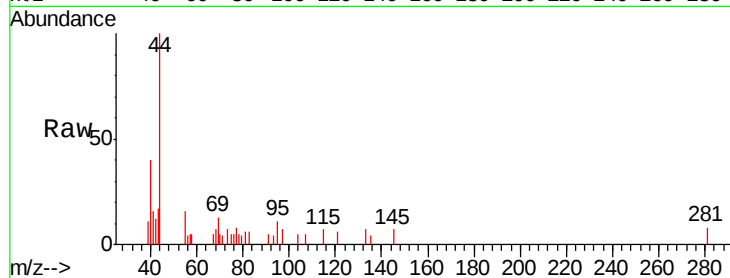
32727-45914-21716RE

Tgt Ion: 75 Resp: 72

Ion Ratio Lower Upper

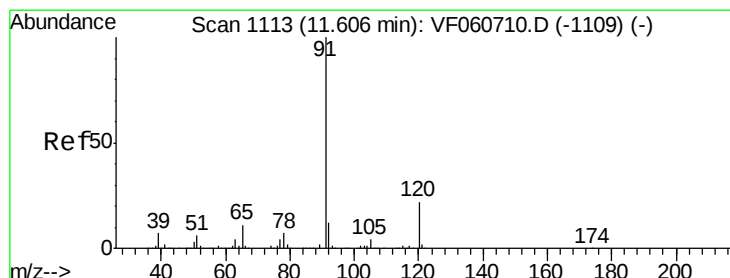
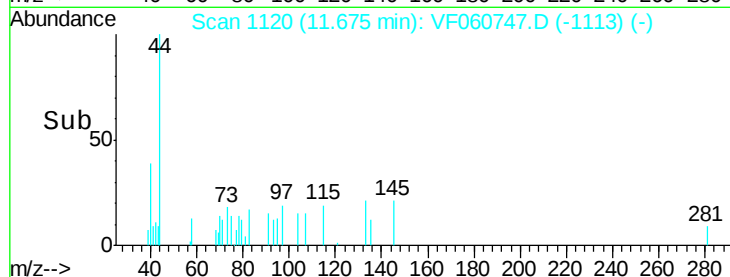
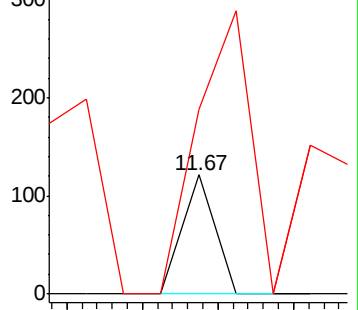
75 100

77 155.4 17.0 51.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#78

n-propylbenzene

Concen: 8.15 ug/l

RT: 11.62 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF060747.D

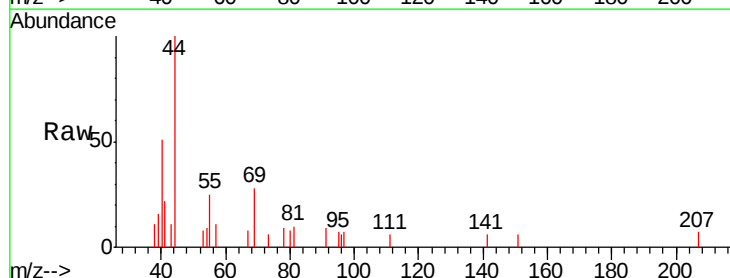
Acq: 15 Nov 2018 15:24

Tgt Ion: 91 Resp: 163

Ion Ratio Lower Upper

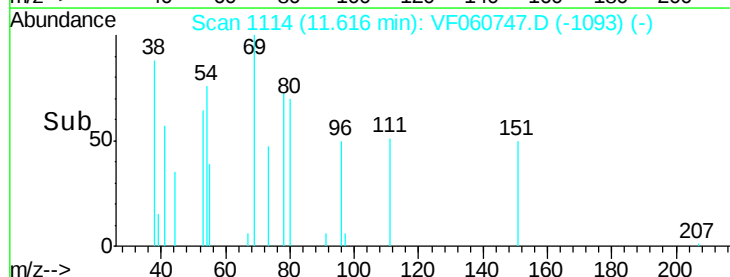
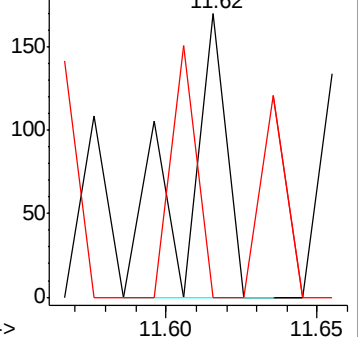
91 100

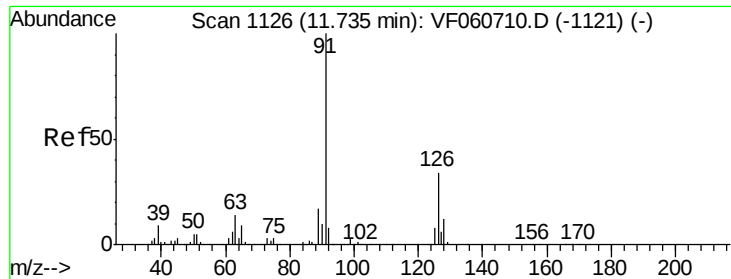
120 0.0 11.2 33.5#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

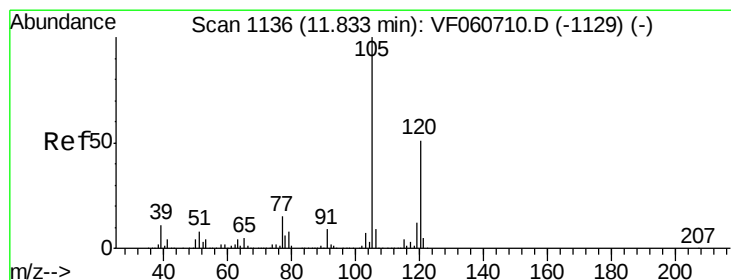
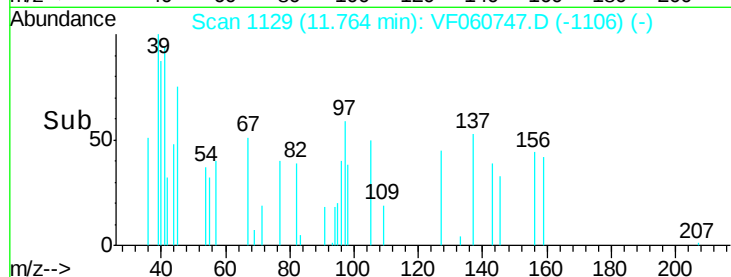
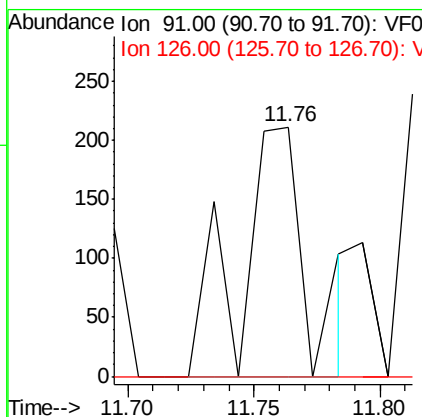
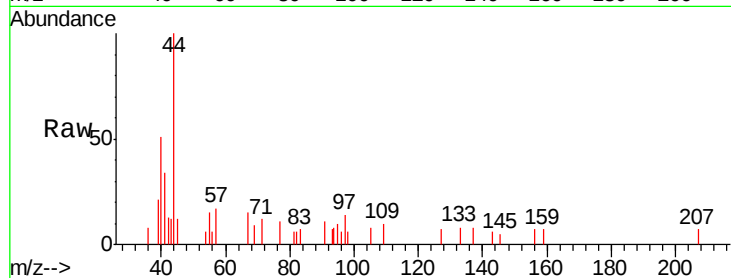




#79
 2-Chlorotoluene
 Concen: 34.16 ug/l
 RT: 11.76 min Scan# 1129
 Delta R.T. 0.03 min
 Lab File: VF060747.D
 Acq: 15 Nov 2018 15:24

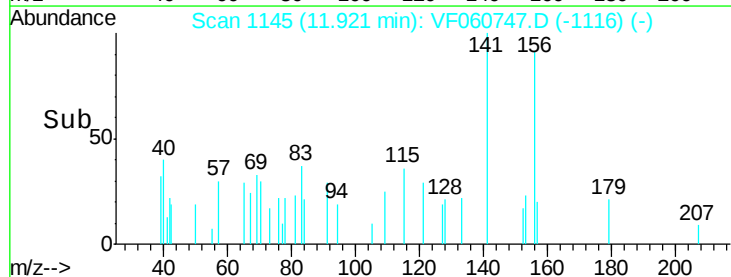
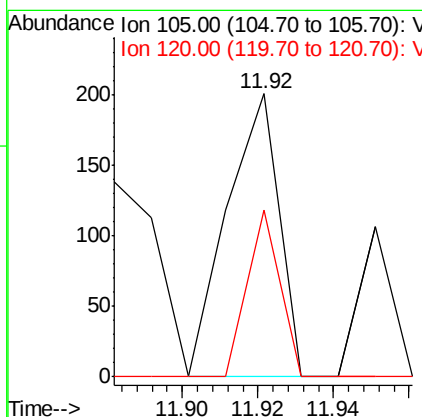
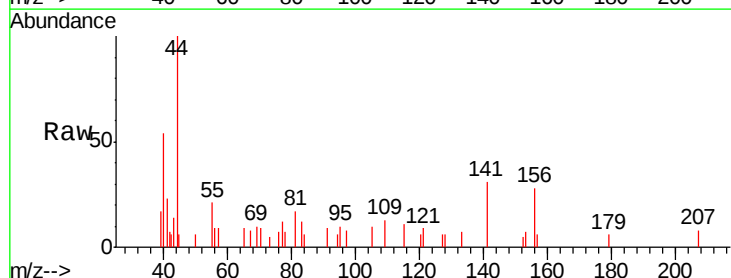
Instrument :
 MSVOA_F
 ClientSampleId :
 32727-45914-21716RE

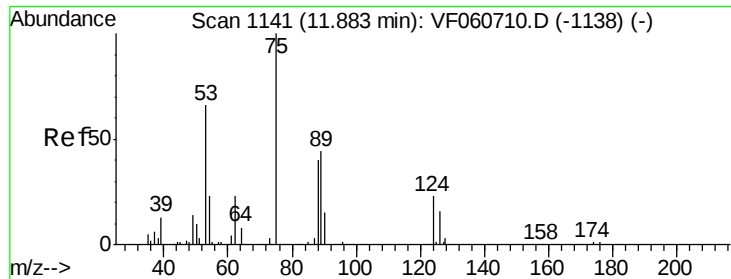
Tgt Ion: 91 Resp: 397
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.8 50.4#



#80
 1,3,5-Trimethylbenzene
 Concen: 13.89 ug/l
 RT: 11.92 min Scan# 1145
 Delta R.T. 0.09 min
 Lab File: VF060747.D
 Acq: 15 Nov 2018 15:24

Tgt Ion: 105 Resp: 189
 Ion Ratio Lower Upper
 105 100
 120 58.7 25.6 76.8

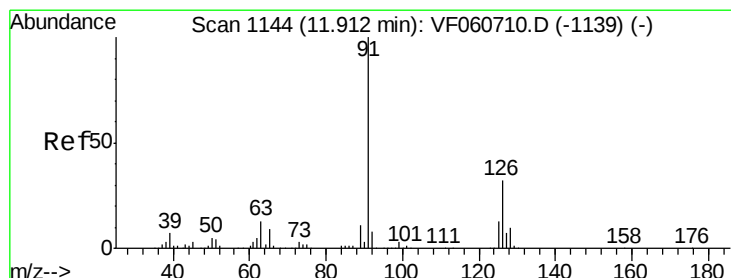
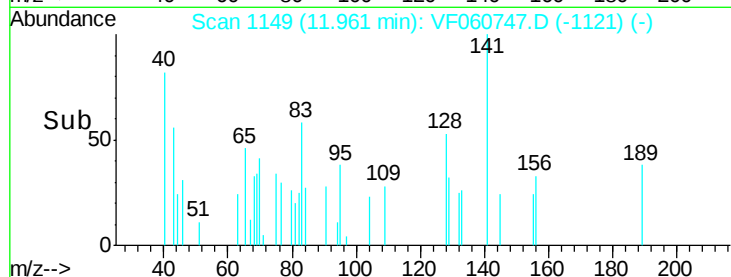
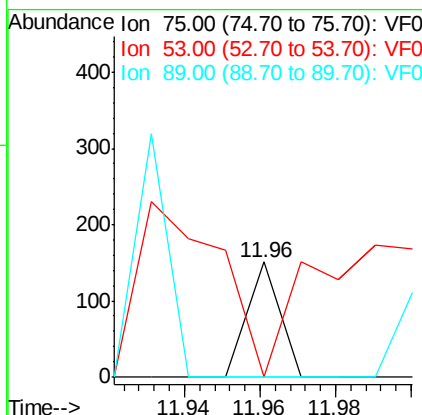
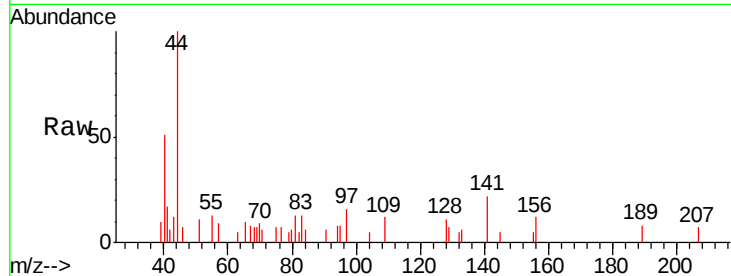




#81
trans-1,4-Dichloro-2-butene
Concen: 86.05 ug/l
RT: 11.96 min Scan# 1149
Delta R.T. 0.08 min
Lab File: VF060747.D
Acq: 15 Nov 2018 15:24

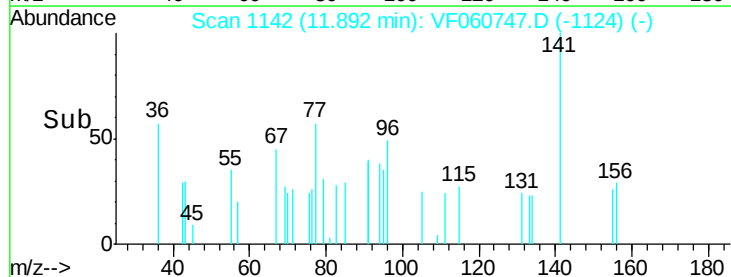
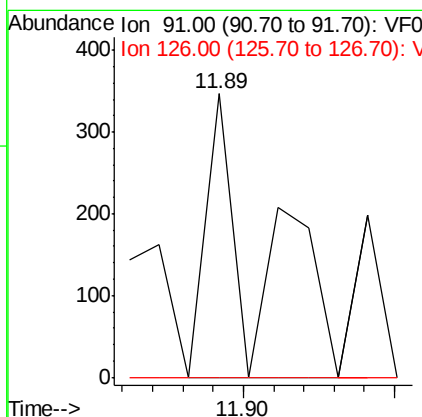
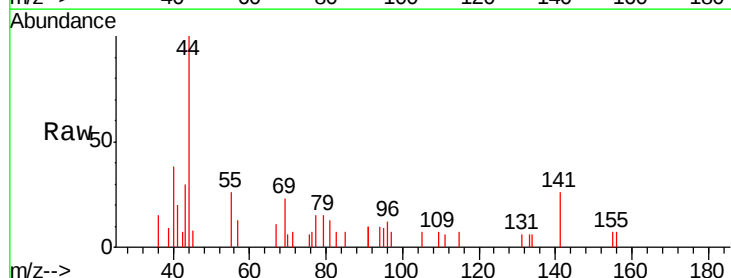
Instrument :
MSVOA_F
ClientSampleId :
32727-45914-21716RE

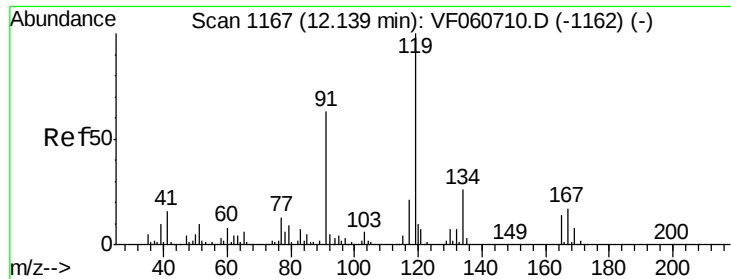
Tgt Ion: 75 Resp: 89
Ion Ratio Lower Upper
75 100
53 0.0 57.0 85.4#
89 0.0 37.8 56.8#



#82
4-Chlorotoluene
Concen: 36.62 ug/l
RT: 11.89 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VF060747.D
Acq: 15 Nov 2018 15:24

Tgt Ion: 91 Resp: 436
Ion Ratio Lower Upper
91 100
126 0.0 16.0 47.9#

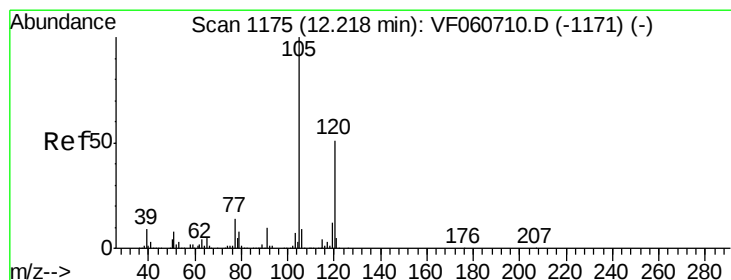
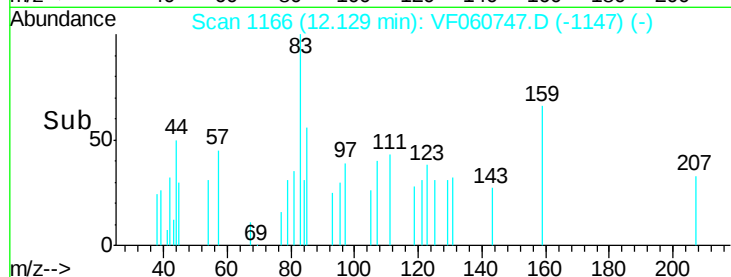
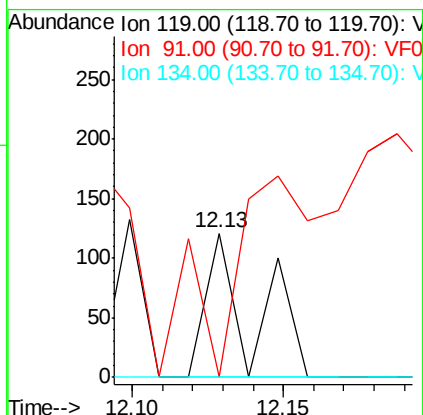
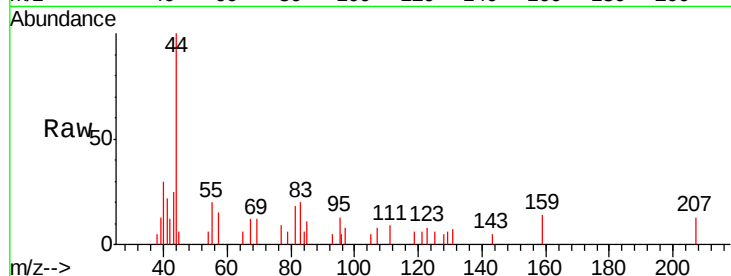




#83
 tert-Butylbenzene
 Concen: 9.06 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: VF060747.D
 Acq: 15 Nov 2018 15:24

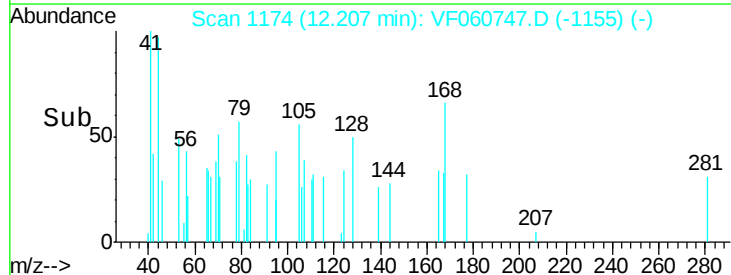
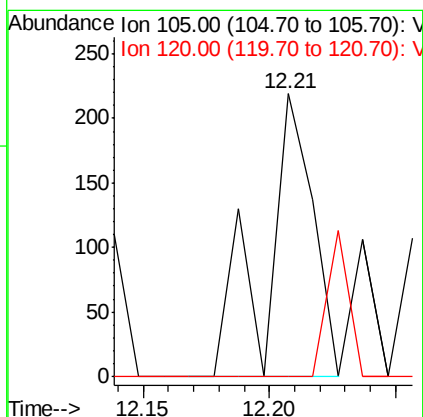
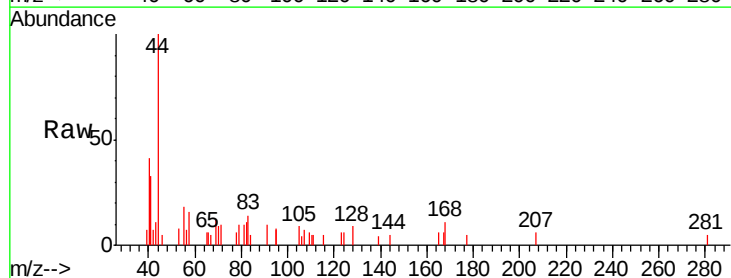
Instrument :
 MSVOA_F
 ClientSampleId :
 32727-45914-21716RE

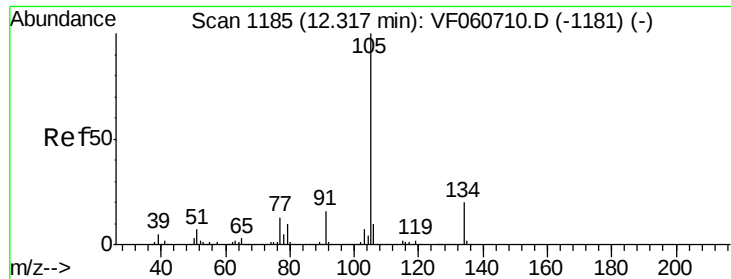
Tgt Ion:119 Resp: 131
 Ion Ratio Lower Upper
 119 100
 91 0.0 31.4 94.3#
 134 0.0 12.8 38.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 20.46 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF060747.D
 Acq: 15 Nov 2018 15:24

Tgt Ion:105 Resp: 288
 Ion Ratio Lower Upper
 105 100
 120 0.0 25.5 76.5#

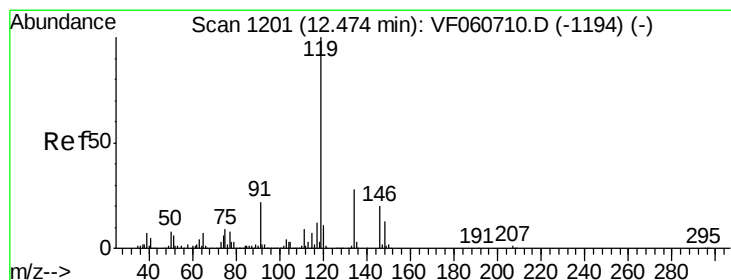
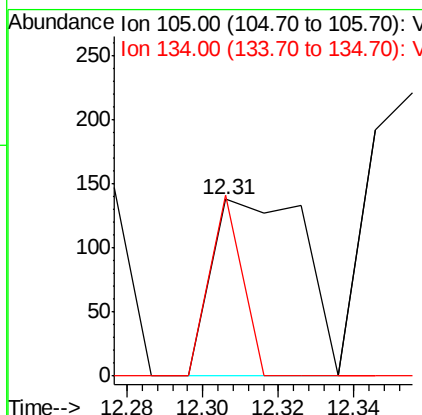
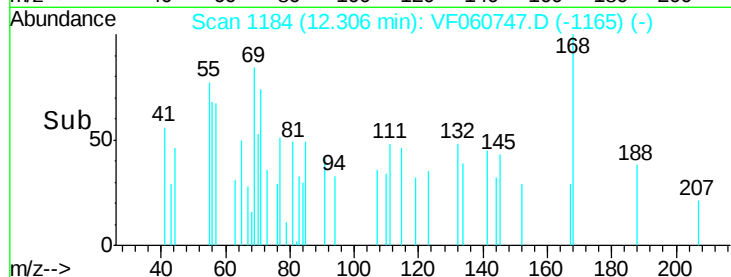
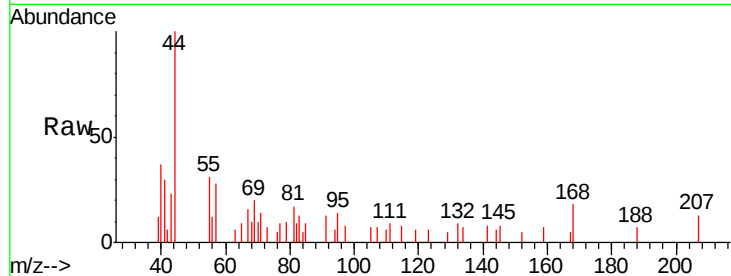




#85
 sec-Butylbenzene
 Concen: 12.04 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF060747.D
 Acq: 15 Nov 2018 15:24

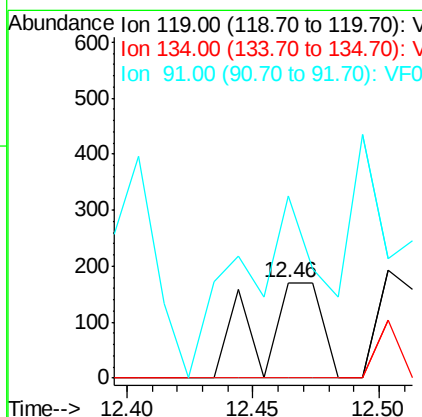
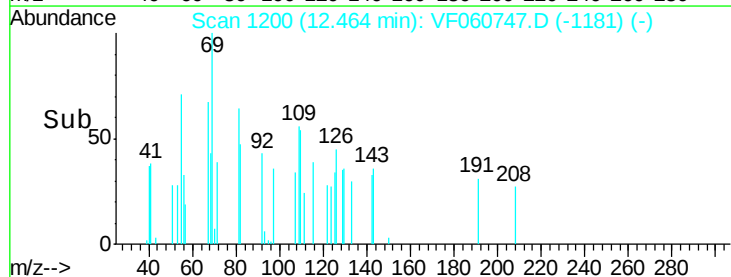
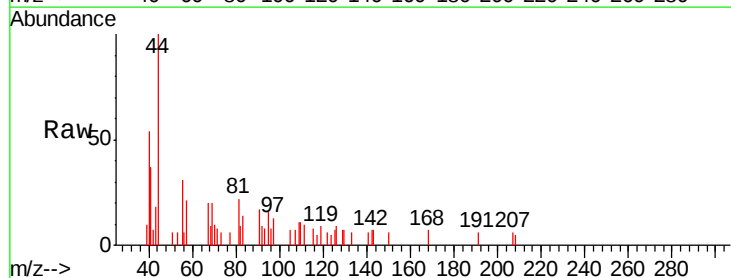
Instrument :
 MSVOA_F
 ClientSampleId :
 32727-45914-21716RE

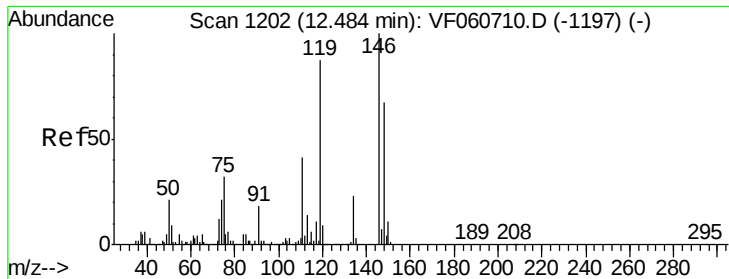
Tgt Ion:105 Resp: 236
 Ion Ratio Lower Upper
 105 100
 134 102.2 10.1 30.3#



#86
 p-Isopropyltoluene
 Concen: 18.02 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF060747.D
 Acq: 15 Nov 2018 15:24

Tgt Ion:119 Resp: 295
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.9 41.7#
 91 190.1 11.3 33.9#





#87

1,3-Dichlorobenzene

Concen: 9.15 ug/l

RT: 12.52 min Scan# 1206

Delta R.T. 0.04 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

Instrument :

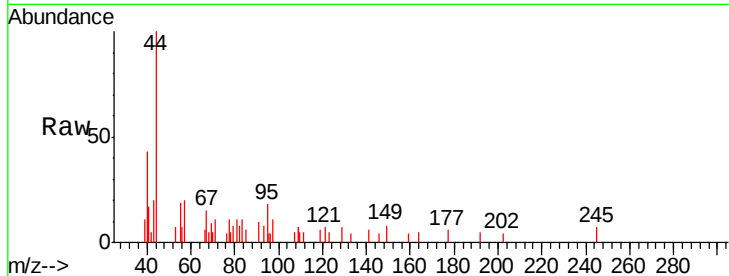
MSVOA_F

ClientSampleId :

32727-45914-21716RE

Tgt Ion:146 Resp: 65

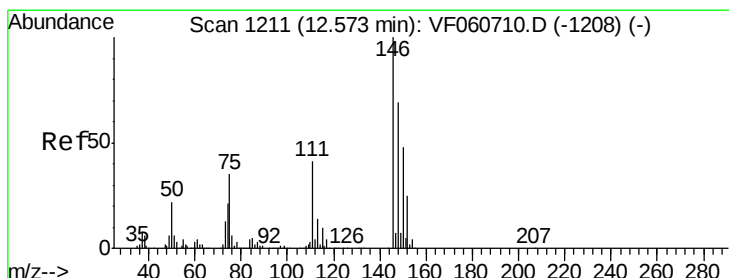
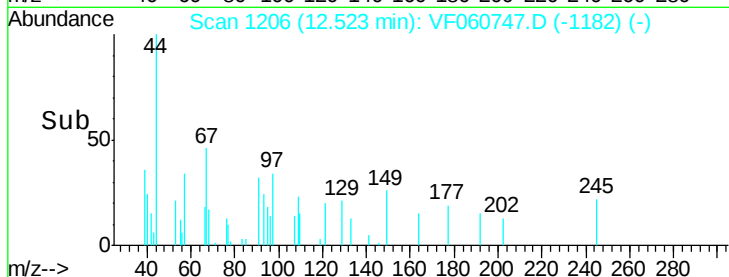
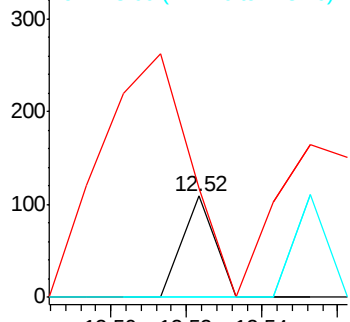
Ion	Ratio	Lower	Upper
146	100		
111	107.3	20.3	60.8#
148	0.0	33.3	99.9#



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



#88

1,4-Dichlorobenzene

Concen: 9.08 ug/l

RT: 12.59 min Scan# 1213

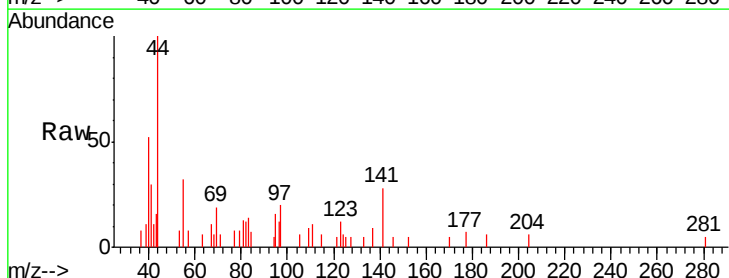
Delta R.T. 0.02 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

Tgt Ion:146 Resp: 62

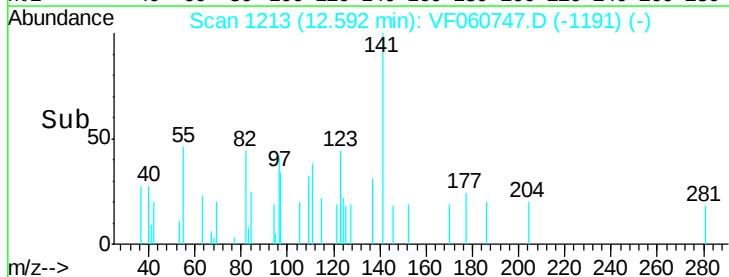
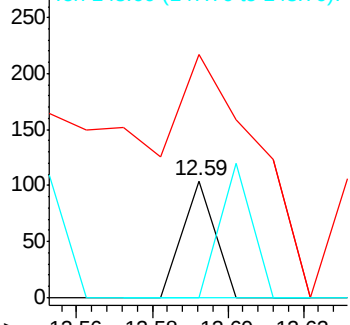
Ion	Ratio	Lower	Upper
146	100		
111	208.7	20.6	61.9#
148	0.0	34.7	104.1#

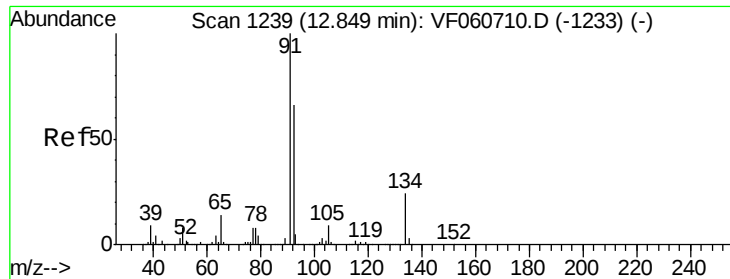


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 30.22 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

Instrument :

MSVOA_F

ClientSampleId :

32727-45914-21716RE

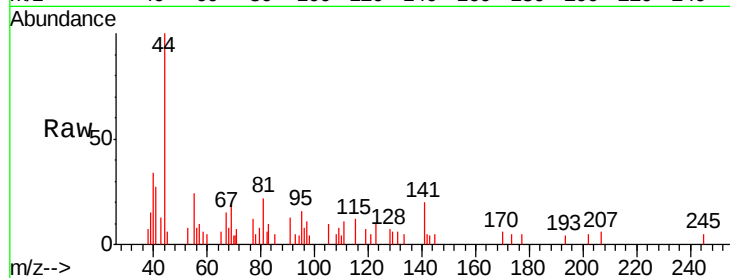
Tgt Ion: 91 Resp: 505

Ion Ratio Lower Upper

91 100

92 0.0 33.1 99.2#

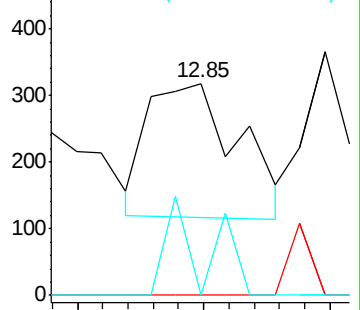
134 0.0 11.9 35.9#



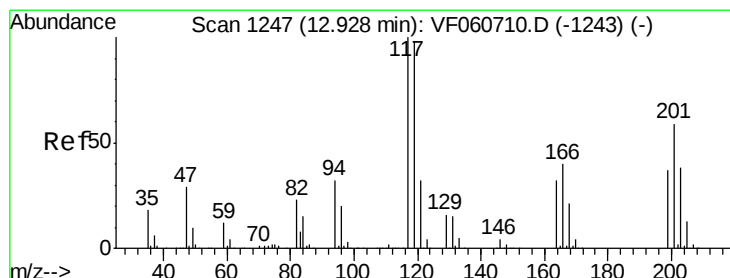
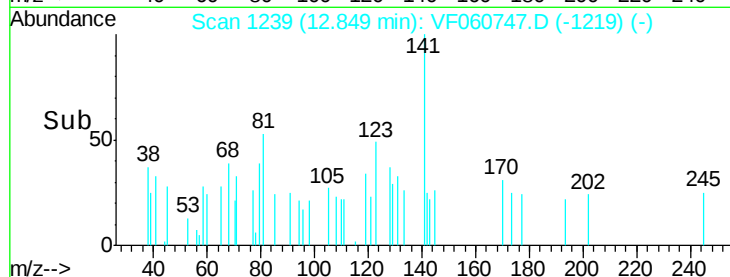
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



Time-->



#90

Hexachloroethane

Concen: 31.71 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VF060747.D

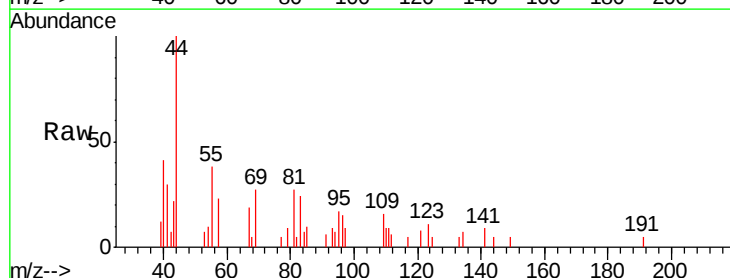
Acq: 15 Nov 2018 15:24

Tgt Ion: 117 Resp: 127

Ion Ratio Lower Upper

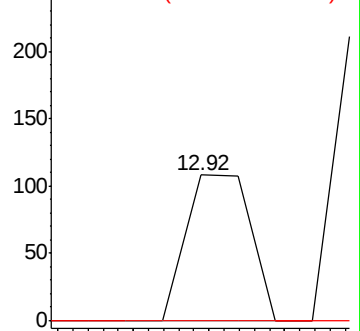
117 100

201 0.0 29.4 88.3#

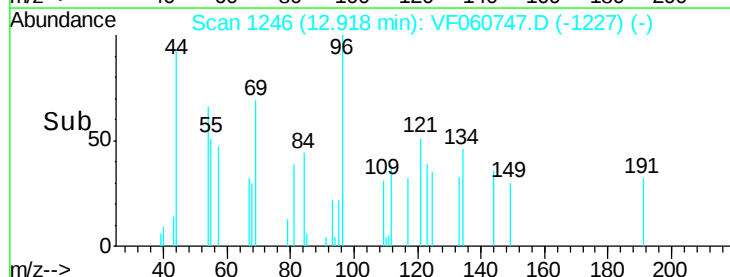


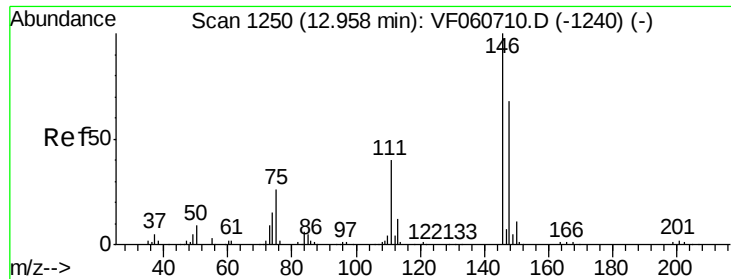
Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



Time-->





#91

1,2-Dichlorobenzene

Concen: 9.27 ug/l

RT: 13.01 min Scan# 1255

Delta R.T. 0.05 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

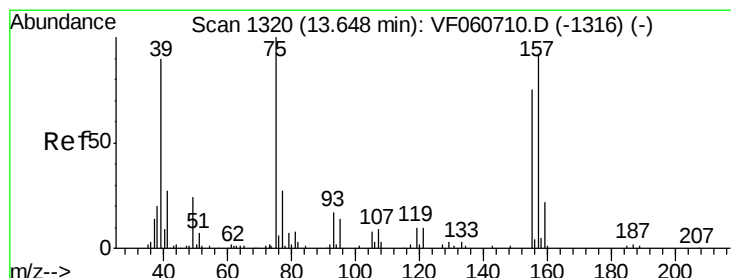
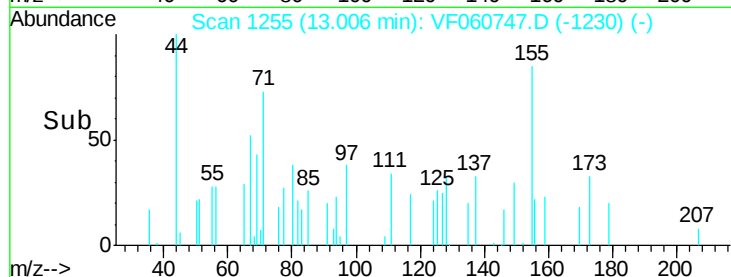
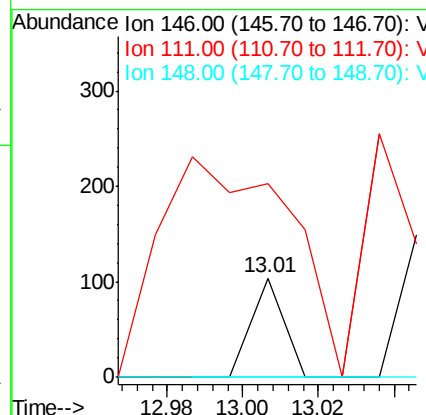
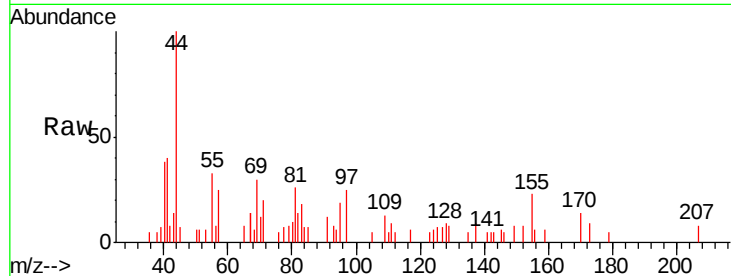
Instrument :

MSVOA_F

ClientSampleId :

32727-45914-21716RE

Tgt Ion:	146	Resp:	62
Ion	Ratio	Lower	Upper
146	100		
111	195.2	20.3	60.8#
148	0.0	34.1	102.3#



#92

1,2-Dibromo-3-Chloropropane

Concen: 122.00 ug/l

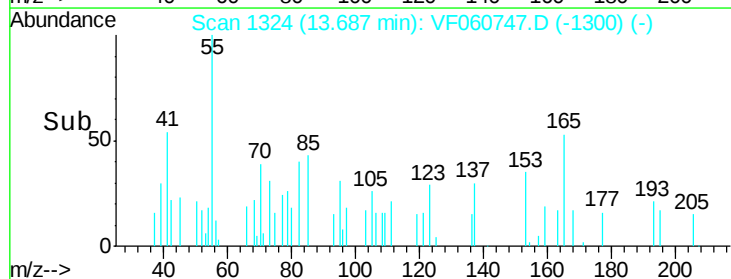
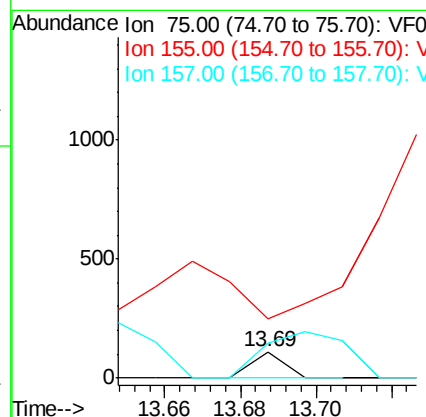
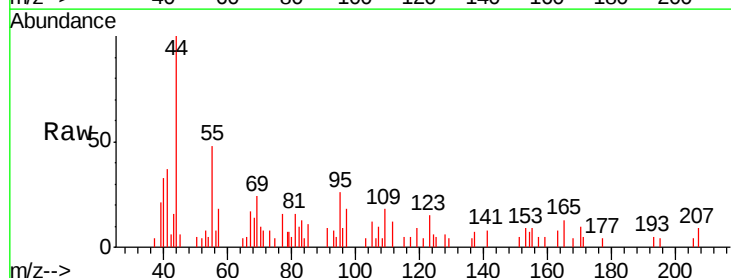
RT: 13.69 min Scan# 1324

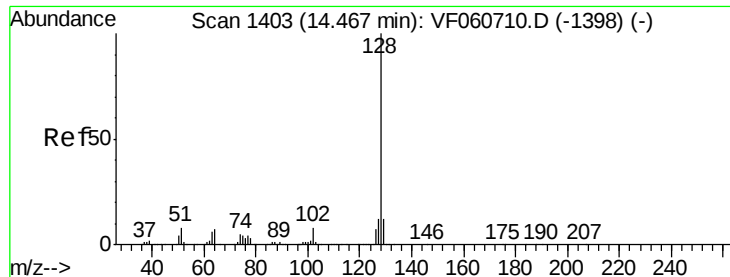
Delta R.T. 0.04 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

Tgt Ion:	75	Resp:	65
Ion	Ratio	Lower	Upper
75	100		
155	228.4	37.4	112.2#
157	133.0	46.0	138.0





#95

Naphthalene

Concen: 159.98 ug/l

RT: 14.51 min Scan# 1407

Delta R.T. 0.04 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

Instrument :

MSVOA_F

ClientSampleId :

32727-45914-21716RE

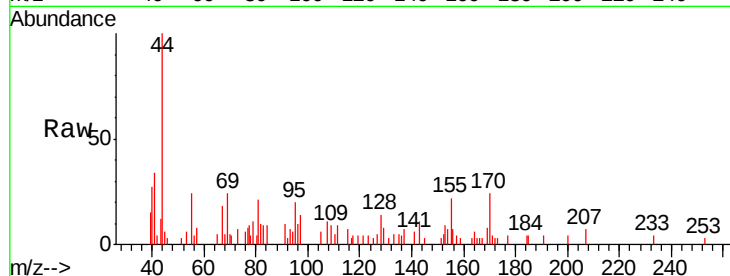
Tgt Ion:128 Resp: 1403

Ion Ratio Lower Upper

128 100

127 37.5 9.8 14.6#

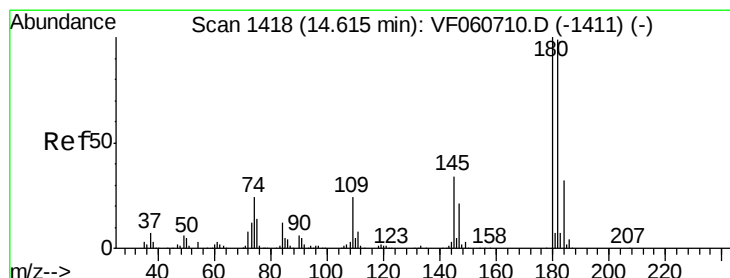
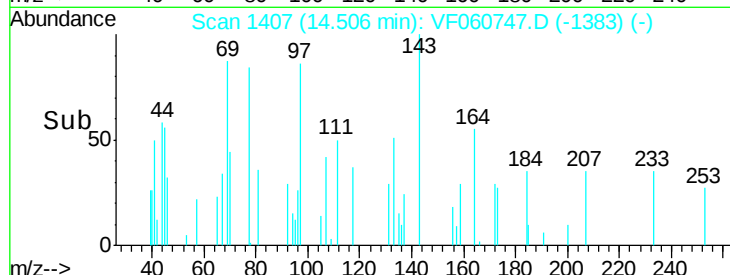
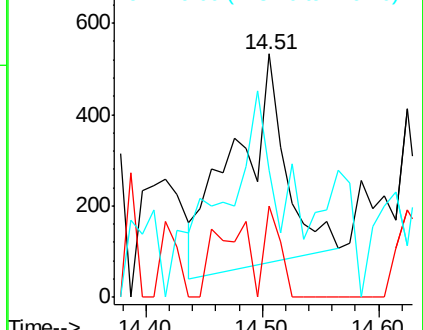
129 52.2 9.3 13.9#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 15.09 ug/l

RT: 14.69 min Scan# 1426

Delta R.T. 0.08 min

Lab File: VF060747.D

Acq: 15 Nov 2018 15:24

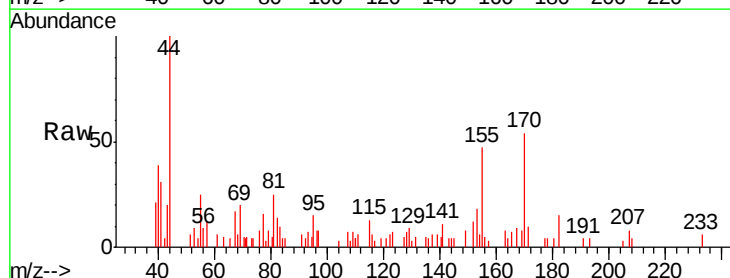
Tgt Ion:180 Resp: 67

Ion Ratio Lower Upper

180 100

182 429.8 49.6 149.0#

145 116.7 16.9 50.7#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

