

Data File : VU027135.D
Acq On : 25 Sep 2018 17:40
Operator : MD/SY
Sample : J5011-09
Misc : 4.75g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BE9G3

Quant Time: Sep 26 02:28:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM092518WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 26 02:22:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	167410	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	162545	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	76162	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	66768	44.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.66%
7) Chloroethane-d5	1.64	69	52094	44.67	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.34%
11) 1,1-Dichloroethene-d2	2.23	63	97360	34.37	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.74%
21) 2-Butanone-d5	4.19	46	118463	97.82	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.82%
24) Chloroform-d	4.64	84	114415	48.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.56%
26) 1,2-Dichloroethane-d4	5.31	65	82999	48.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.94%
32) Benzene-d6	5.33	84	238425	49.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.16%
36) 1,2-Dichloropropane-d6	6.33	67	85586	49.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.86%
41) Toluene-d8	7.57	98	200012	47.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.10%
43) trans-1,3-Dichloropropene-	7.85	79	37391	48.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.68%
47) 2-Hexanone-d5	8.33	63	89954	108.72	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.72%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	124785	54.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.70%
64) 1,2-Dichlorobenzene-d4	11.86	152	81829	52.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.18%

Target Compounds

					Qvalue
6) Bromomethane	1.60	94	939	1.130 ug/L	84
10) 1,1,2-Trichloro-1,2,2-trif	2.24	101	869	0.729 ug/L #	22
12) 1,1-Dichloroethene	2.24	96	953	0.863 ug/L #	1
13) Acetone	2.35	43	1246	1.114 ug/L	65
14) Carbon disulfide	2.44	76	2616	0.681 ug/L	97
15) Methyl Acetate	2.62	43	1393	0.686 ug/L	96
20) cis-1,2-Dichloroethene	4.22	96	8140	6.007 ug/L	84
25) Chloroform	4.67	83	2793	1.076 ug/L	99
30) 1,1,1-Trichloroethane	4.90	97	4058	1.995 ug/L	95
34) Trichloroethene	6.18	95	27803	21.850 ug/L	96
39) cis-1,3-Dichloropropene	7.23	75	2201	0.978 ug/L #	82
42) Toluene	7.64	91	2081	0.387 ug/L	92
46) Tetrachloroethene	8.23	164	3678	4.031 ug/L	95
48) 2-Hexanone	8.39	43	2755	1.376 ug/L #	78
51) Chlorobenzene	9.12	112	1773	0.521 ug/L #	83
52) Ethylbenzene	9.25	91	3370	0.574 ug/L	97
55) Styrene	9.80	104	1928	0.549 ug/L	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092518\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Wed Sep 26 02:22:28 2018
Response via : Initial Calibration

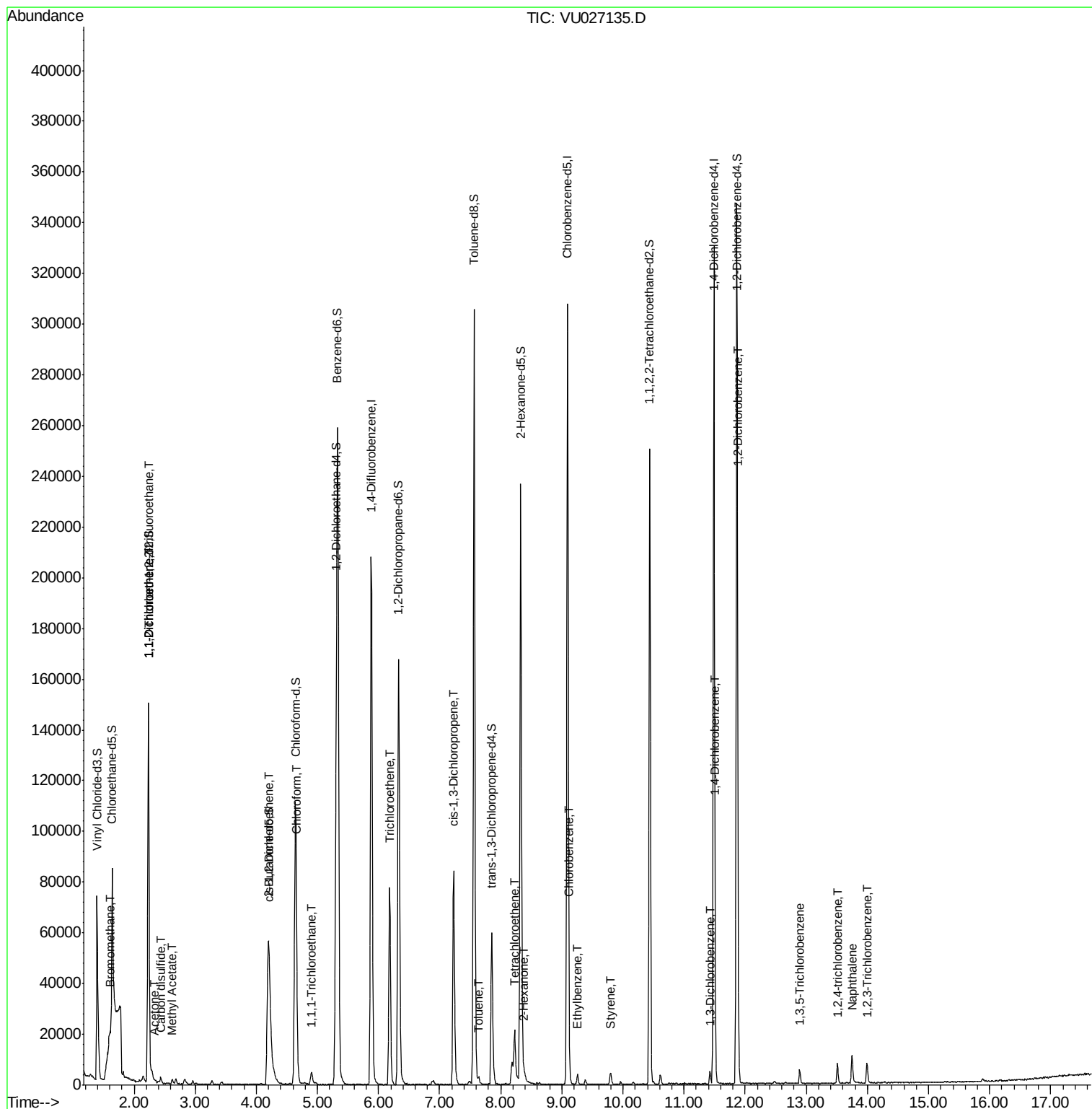
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3-Dichlorobenzene	11.42	146	2355	0.995	ug/L	88
63) 1,4-Dichlorobenzene	11.51	146	3874	1.542	ug/L	95
65) 1,2-Dichlorobenzene	11.88	146	7975	3.118	ug/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	2113	1.222	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	2915	1.982	ug/L #	89
69) Naphthalene	13.75	128	10401	2.083	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	3098	1.918	ug/L	96

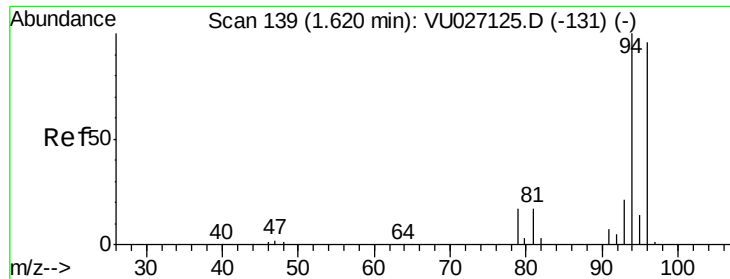
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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#6

Bromomethane

Concen: 1.130 ug/L

RT: 1.60 min Scan# 132

Delta R.T. -0.02 min

Lab File: VU027135.D

Acq: 25 Sep 2018 17:40

Instrument :

MSVOA_U

ClientSampleId :

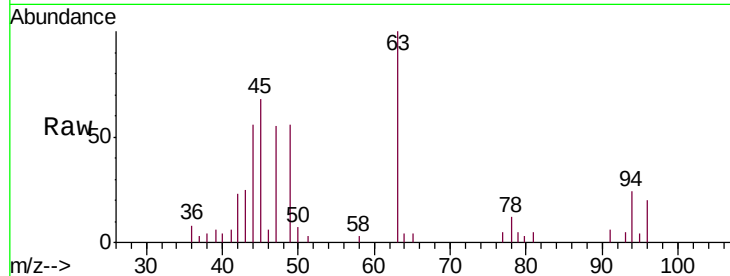
BE9G3

Tgt Ion: 94 Resp: 939

Ion Ratio Lower Upper

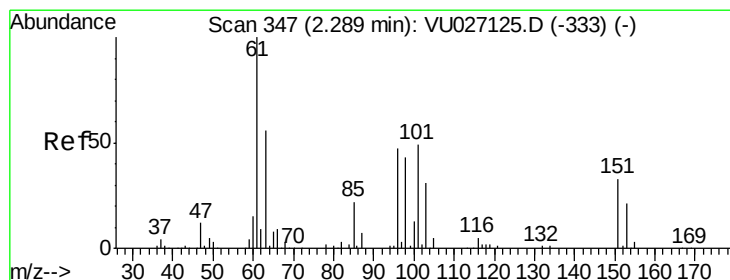
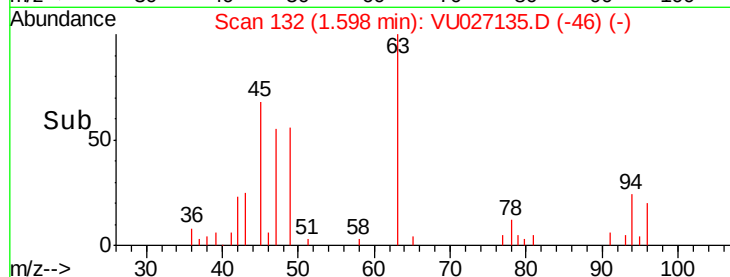
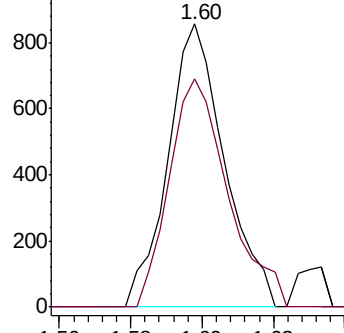
94 100

96 80.5 67.1 124.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.729 ug/L

RT: 2.24 min Scan# 332

Delta R.T. -0.05 min

Lab File: VU027135.D

Acq: 25 Sep 2018 17:40

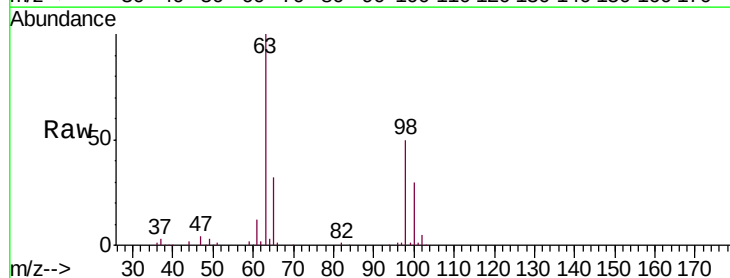
Tgt Ion: 101 Resp: 869

Ion Ratio Lower Upper

101 100

85 0.0 37.0 55.6#

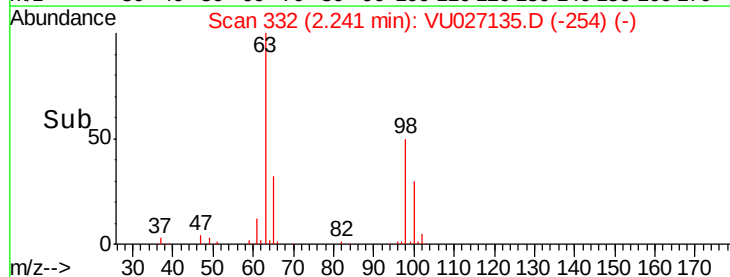
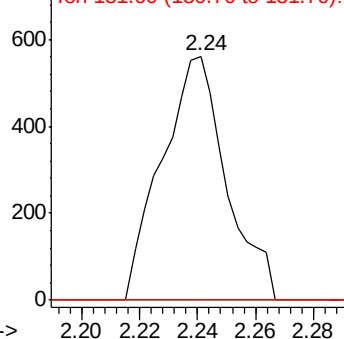
151 0.0 53.5 80.3#

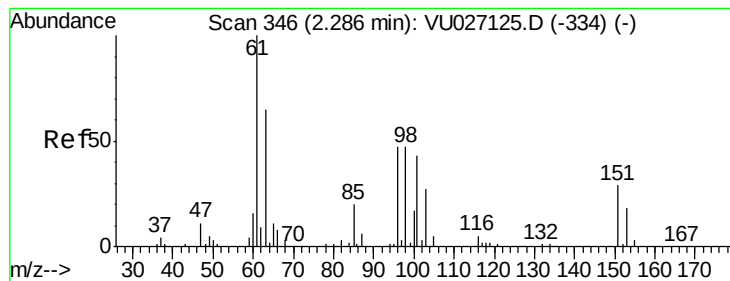


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.863 ug/L

RT: 2.24 min Scan# 332

Delta R.T. -0.04 min

Lab File: VU027135.D

Acq: 25 Sep 2018 17:40

Instrument :

MSVOA_U

ClientSampleId :

BE9G3

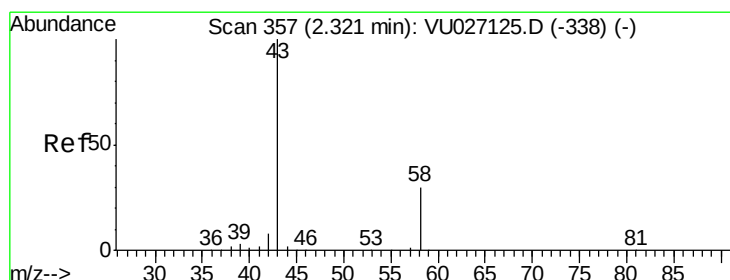
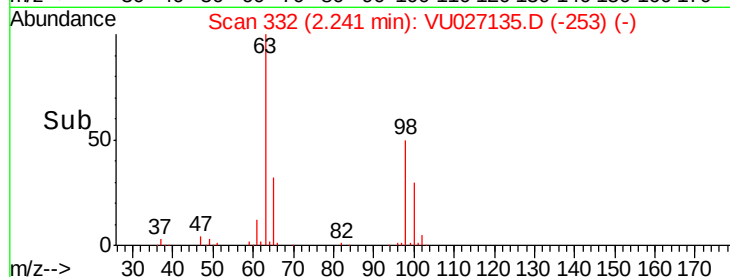
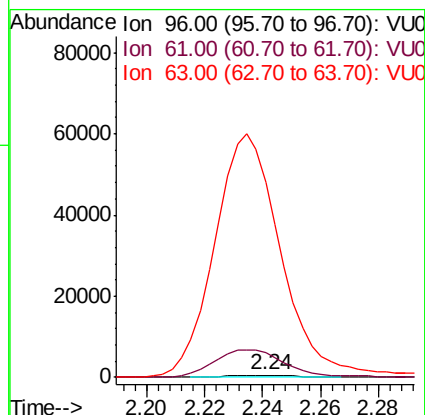
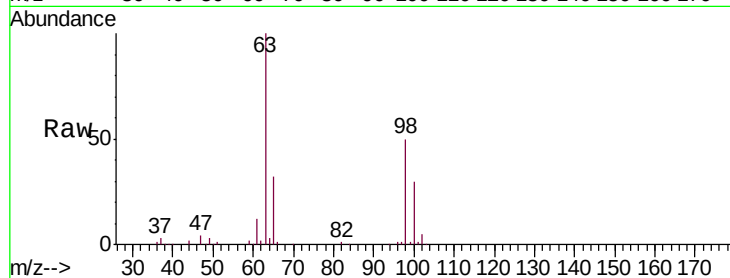
Tgt Ion: 96 Resp: 953

Ion Ratio Lower Upper

96 100

61 1059.9 150.0 278.6#

63 8536.2 101.8 189.0#



#13

Acetone

Concen: 1.114 ug/L

RT: 2.35 min Scan# 365

Delta R.T. 0.03 min

Lab File: VU027135.D

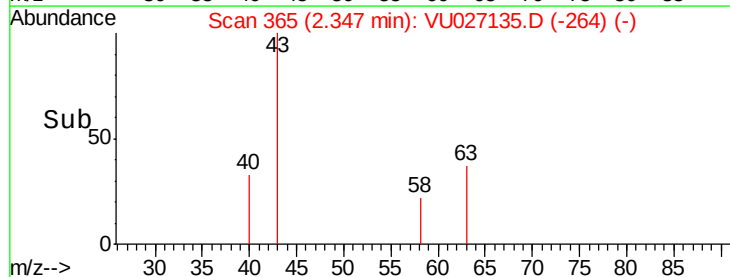
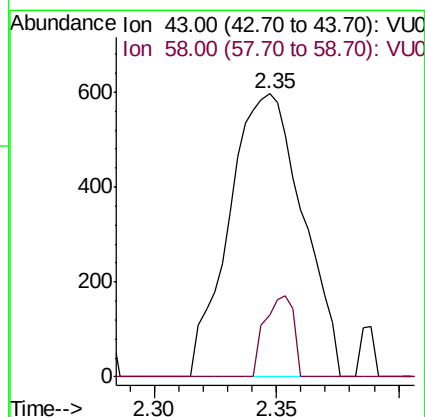
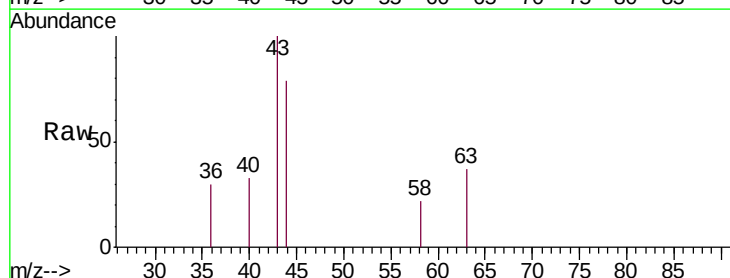
Acq: 25 Sep 2018 17:40

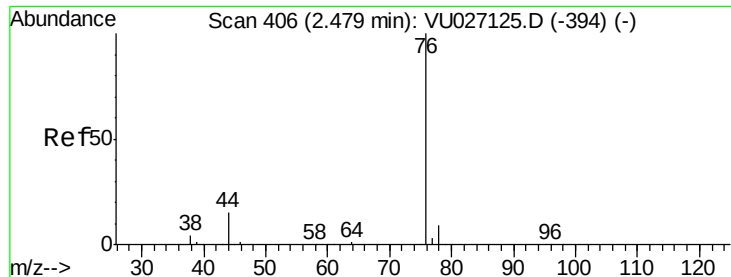
Tgt Ion: 43 Resp: 1246

Ion Ratio Lower Upper

43 100

58 11.1 0.0 59.6





#14

Carbon disulfide

Concen: 0.681 ug/L

RT: 2.44 min Scan# 393

Delta R.T. -0.04 min

Lab File: VU027135.D

Acq: 25 Sep 2018 17:40

Instrument :

MSVOA_U

ClientSampleId :

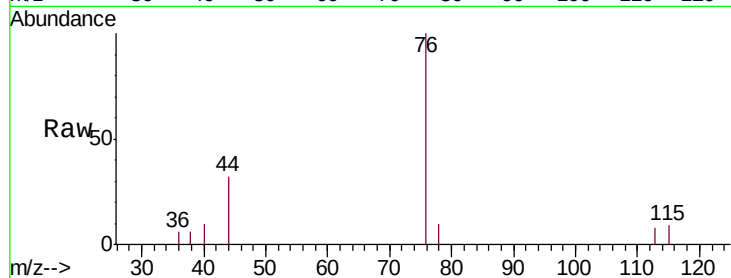
BE9G3

Tgt Ion: 76 Resp: 2616

Ion Ratio Lower Upper

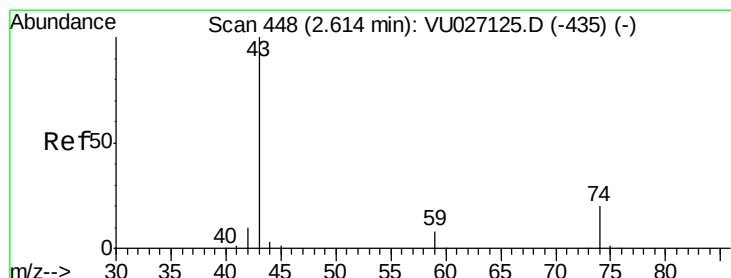
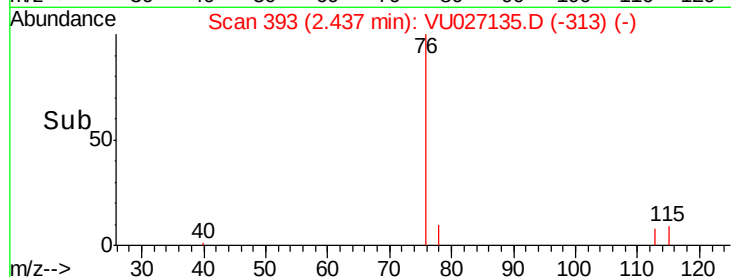
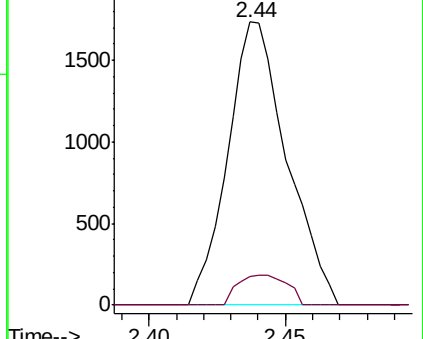
76 100

78 10.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0



#15

Methyl Acetate

Concen: 0.686 ug/L

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU027135.D

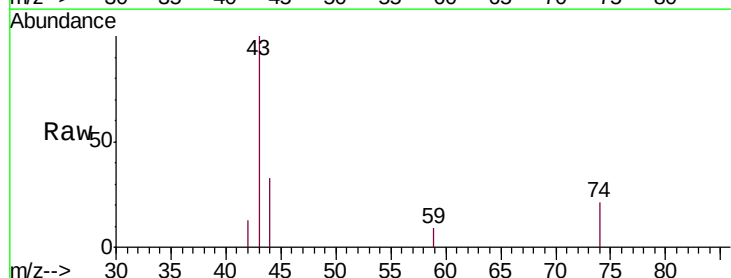
Acq: 25 Sep 2018 17:40

Tgt Ion: 43 Resp: 1393

Ion Ratio Lower Upper

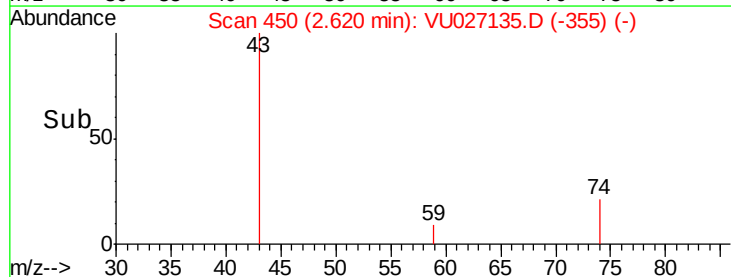
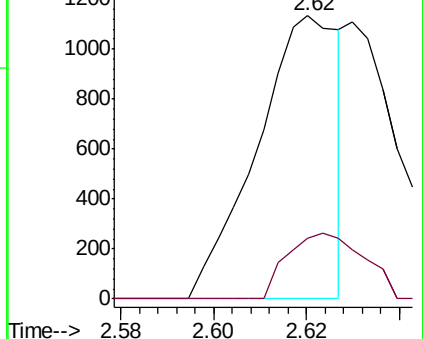
43 100

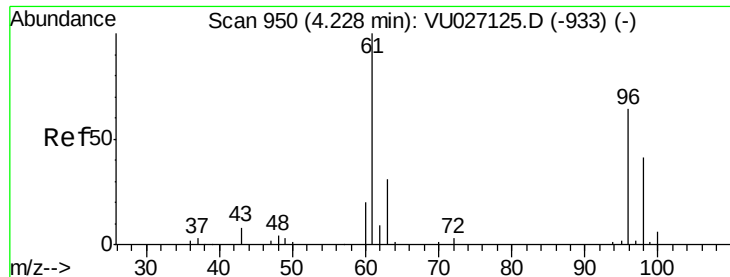
74 21.6 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

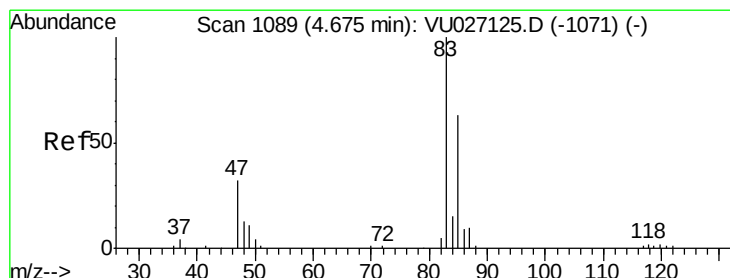
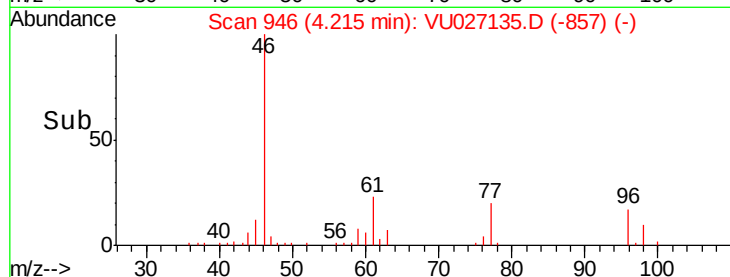
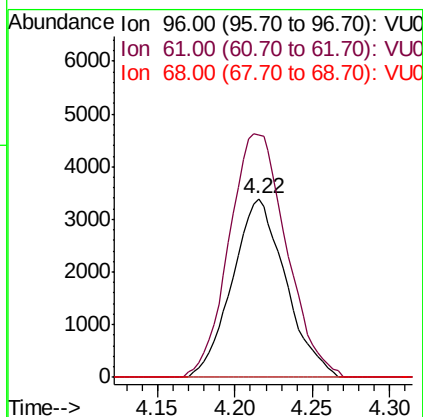
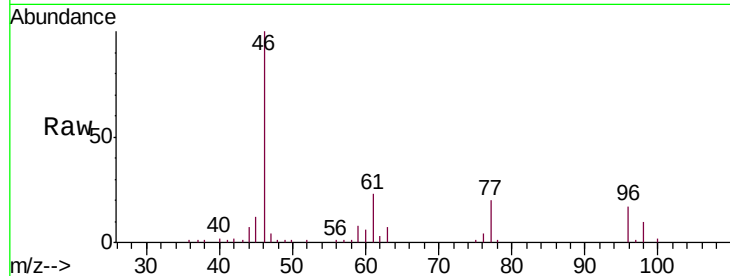




#20
 cis-1,2-Dichloroethene
 Concen: 6.007 ug/L
 RT: 4.22 min Scan# 946
 Delta R.T. -0.01 min
 Lab File: VU027135.D
 Acq: 25 Sep 2018 17:40

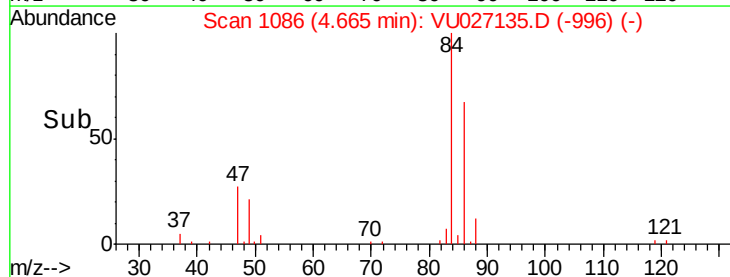
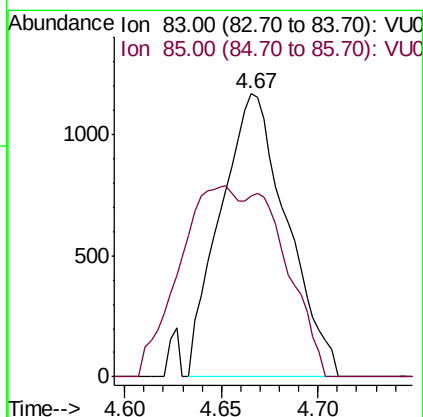
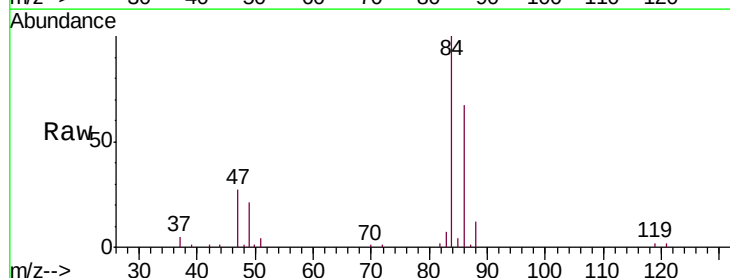
Instrument :
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 BE9G3

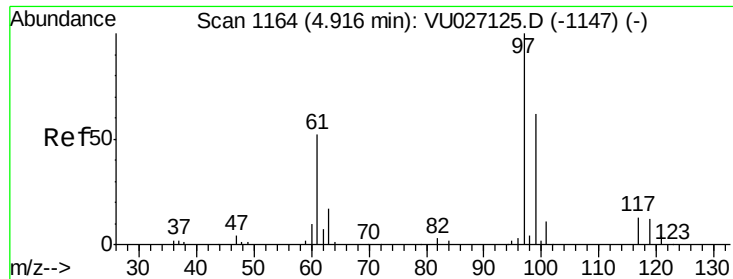
Tgt Ion: 96 Resp: 8140
 Ion Ratio Lower Upper
 96 100
 61 135.5 109.6 203.6
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 1.076 ug/L
 RT: 4.67 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: VU027135.D
 Acq: 25 Sep 2018 17:40

Tgt Ion: 83 Resp: 2793
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.0 81.6

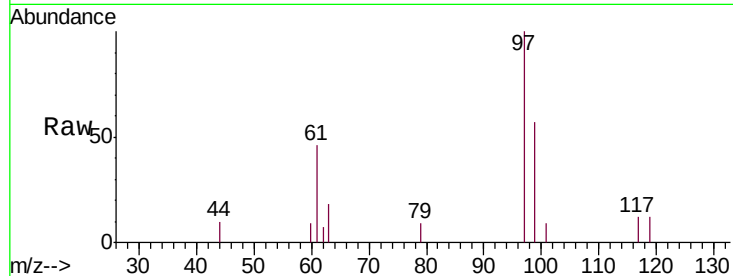




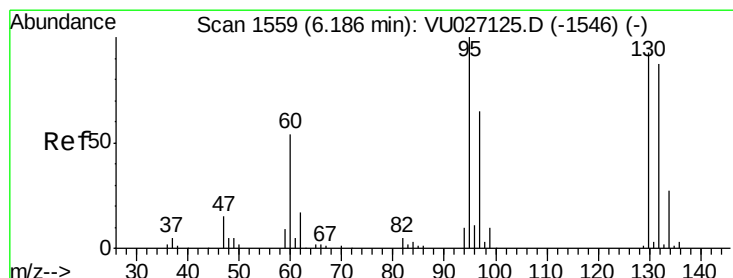
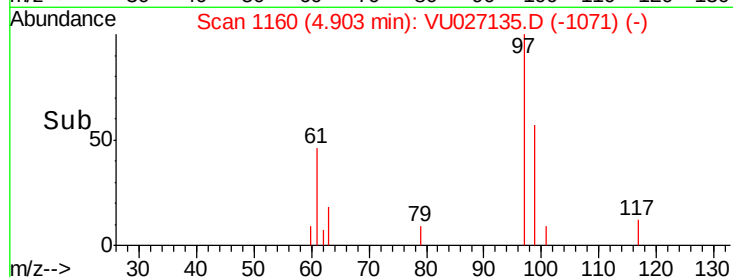
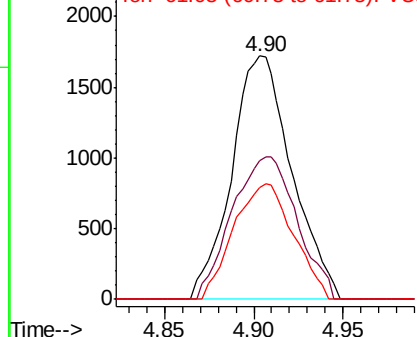
#30
 1,1,1-Trichloroethane
 Concen: 1.995 ug/L
 RT: 4.90 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: VU027135.D
 Acq: 25 Sep 2018 17:40

Instrument :
 MSVOA_U
 ClientSampleId :
 BE9G3

Tgt Ion: 97 Resp: 4058
 Ion Ratio Lower Upper
 97 100
 99 63.0 51.7 77.5
 61 46.9 42.3 63.5

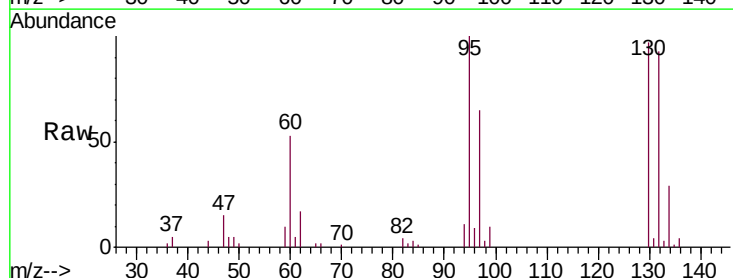


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

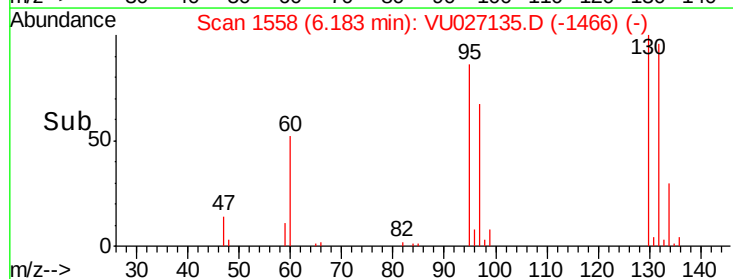
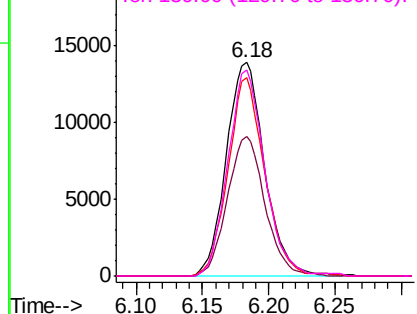


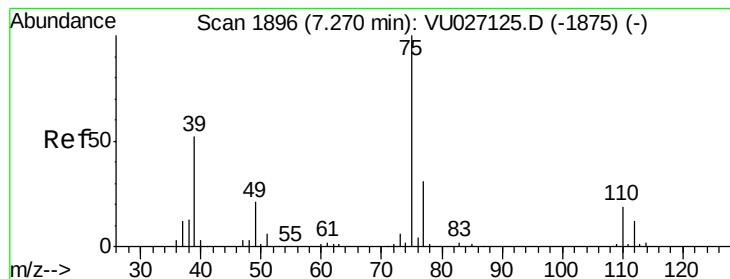
#34
 Trichloroethene
 Concen: 21.850 ug/L
 RT: 6.18 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VU027135.D
 Acq: 25 Sep 2018 17:40

Tgt Ion: 95 Resp: 27803
 Ion Ratio Lower Upper
 95 100
 97 65.1 45.4 84.2
 132 92.6 61.1 113.5
 130 96.7 65.0 120.6



Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V





#39

cis-1,3-Dichloropropene

Concen: 0.978 ug/L

RT: 7.23 min Scan# 1884

Delta R.T. -0.04 min

Lab File: VU027135.D

Acq: 25 Sep 2018 17:40

Instrument :

MSVOA_U

ClientSampleId :

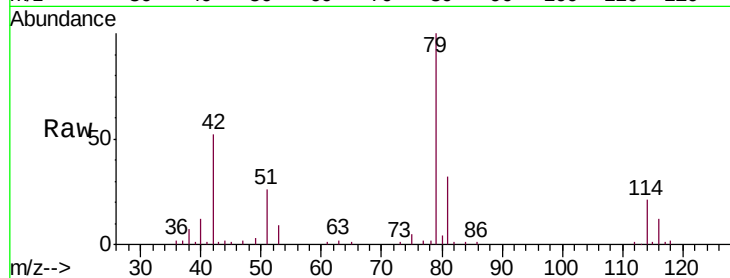
BE9G3

Tgt Ion: 75 Resp: 2201

Ion Ratio Lower Upper

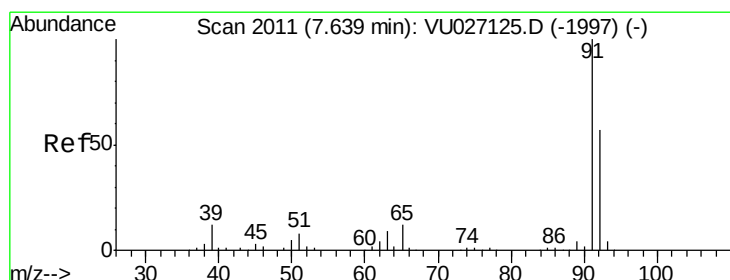
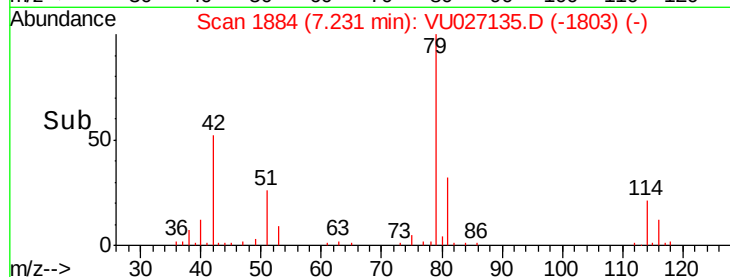
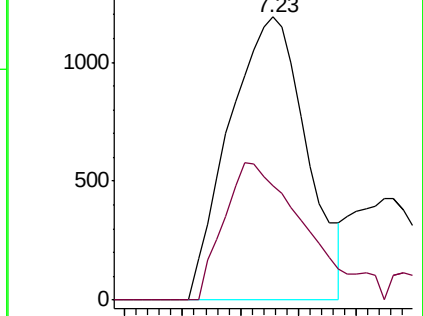
75 100

77 40.4 21.5 39.9#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#42

Toluene

Concen: 0.387 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027135.D

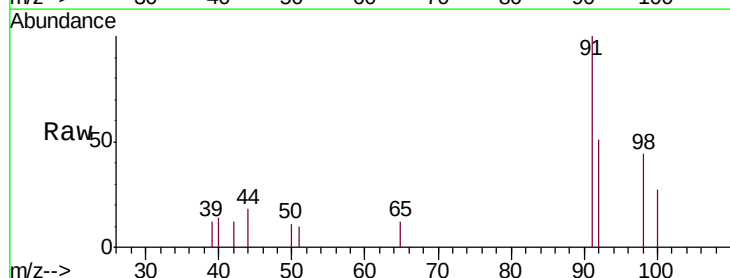
Acq: 25 Sep 2018 17:40

Tgt Ion: 91 Resp: 2081

Ion Ratio Lower Upper

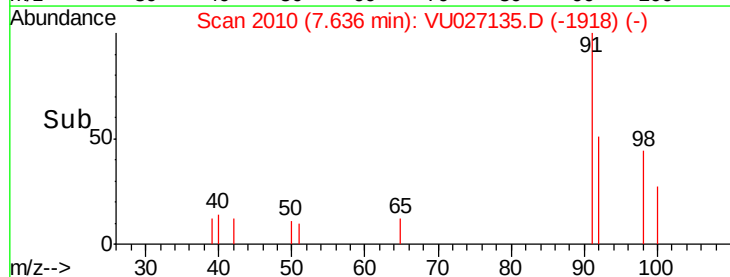
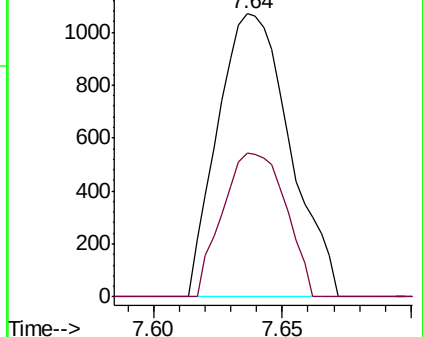
91 100

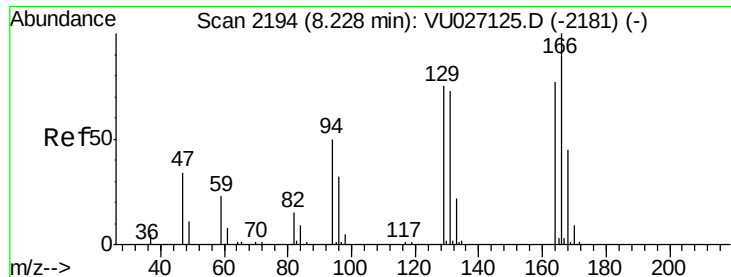
92 51.0 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

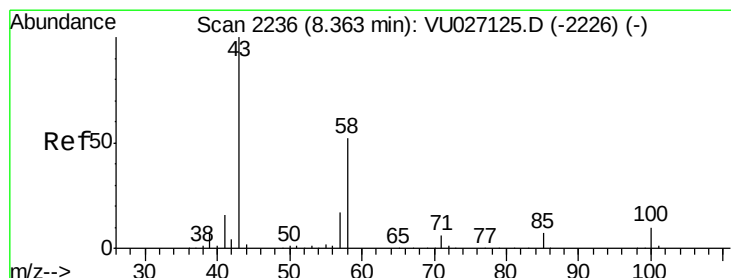
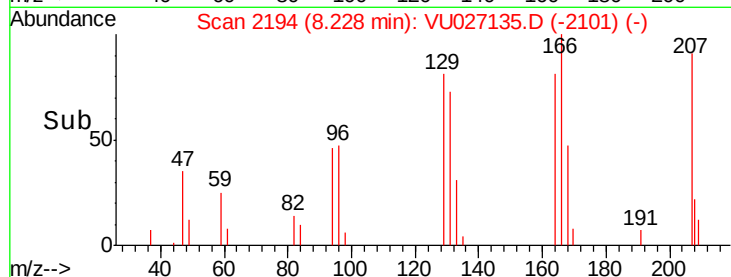
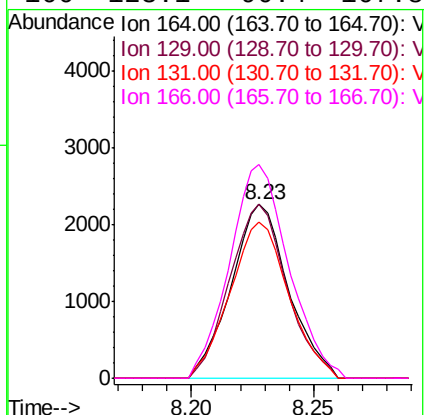
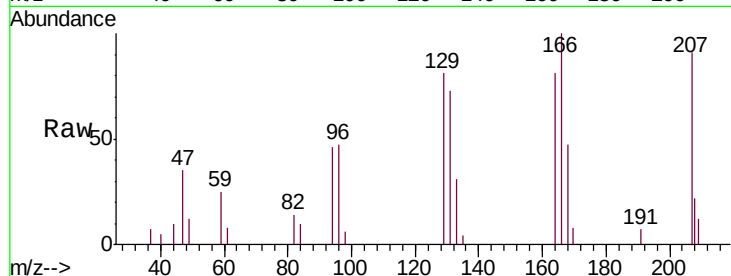




#46
Tetrachloroethene
Concen: 4.031 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027135.D
Acq: 25 Sep 2018 17:40

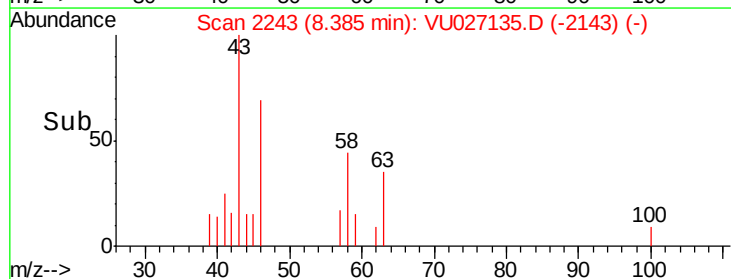
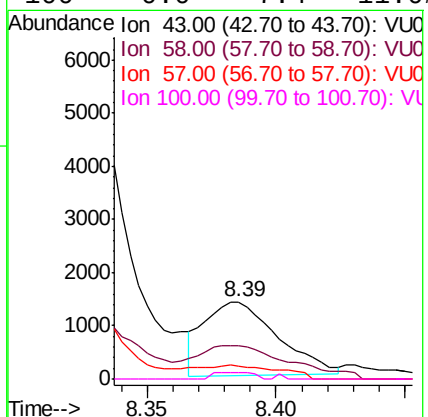
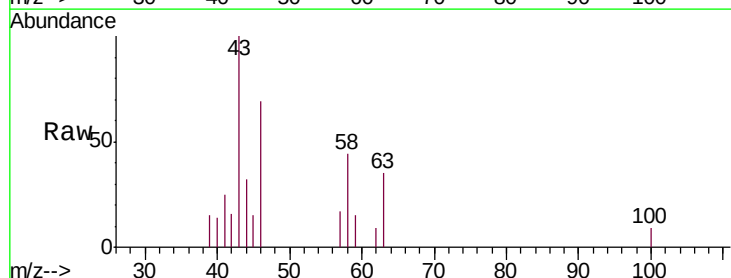
Instrument :
MSVOA_U
ClientSampled :
BE9G3

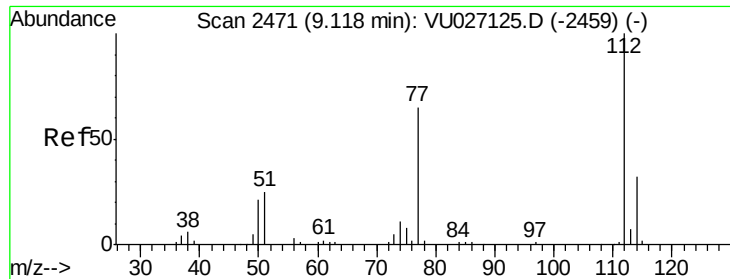
Tgt Ion:164 Resp: 3678
Ion Ratio Lower Upper
164 100
129 100.0 67.8 125.8
131 89.9 66.4 123.2
166 123.1 90.4 167.8



#48
2-Hexanone
Concen: 1.376 ug/L
RT: 8.39 min Scan# 2243
Delta R.T. 0.02 min
Lab File: VU027135.D
Acq: 25 Sep 2018 17:40

Tgt Ion: 43 Resp: 2755
Ion Ratio Lower Upper
43 100
58 41.3 41.9 62.9#
57 0.0 13.8 20.8#
100 0.0 7.4 11.0#





#51

Chlorobenzene

Concen: 0.521 ug/L

RT: 9.12 min Scan# 2473

Delta R.T. 0.01 min

Lab File: VU027135.D

Acq: 25 Sep 2018 17:40

Instrument :

MSVOA_U

ClientSampleId :

BE9G3

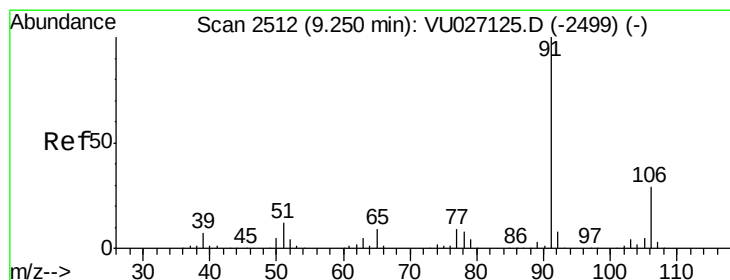
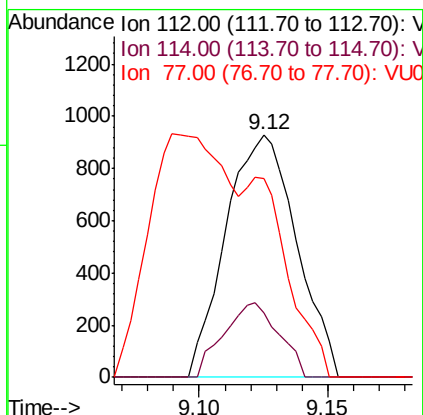
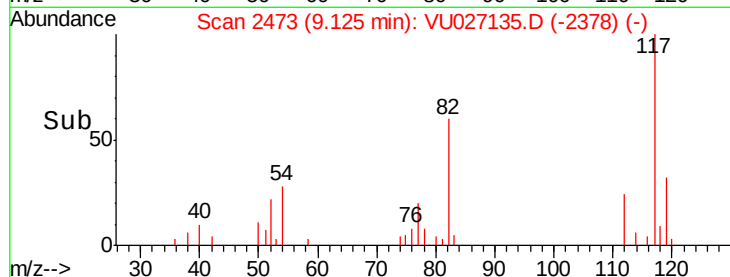
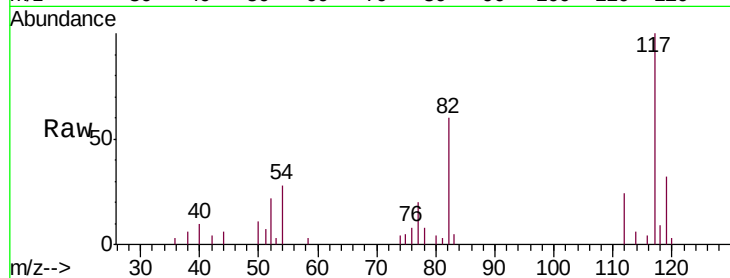
Tgt Ion: 112 Resp: 1773

Ion Ratio Lower Upper

112 100

114 26.4 22.2 41.2

77 81.9 52.9 79.3#



#52

Ethylbenzene

Concen: 0.574 ug/L

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU027135.D

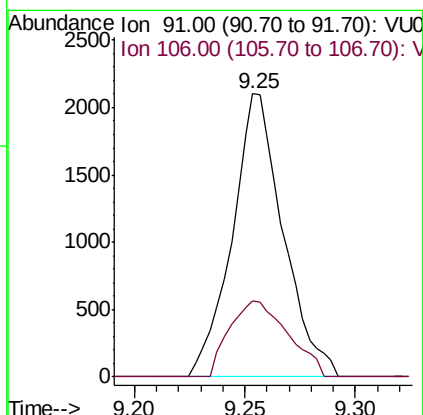
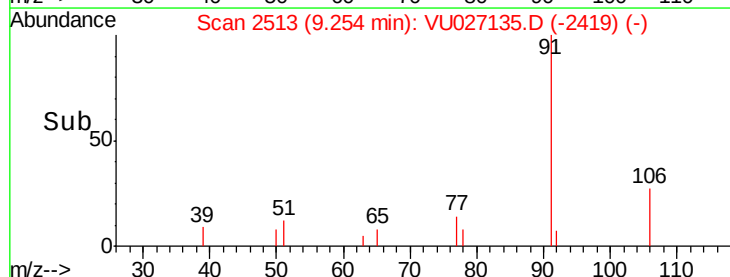
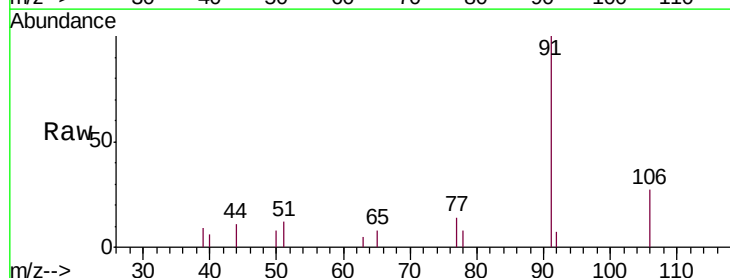
Acq: 25 Sep 2018 17:40

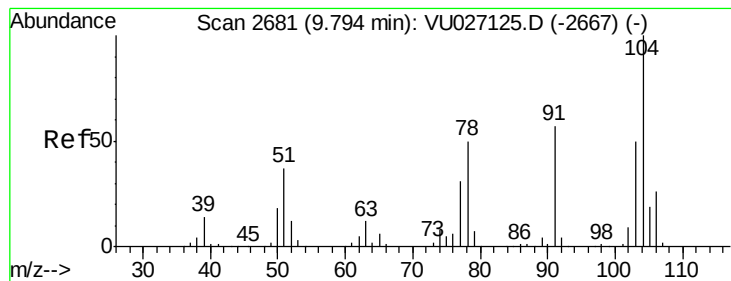
Tgt Ion: 91 Resp: 3370

Ion Ratio Lower Upper

91 100

106 27.0 20.2 37.4





#55

Styrene

Concen: 0.549 ug/L

RT: 9.80 min Scan# 2684

Delta R.T. 0.01 min

Lab File: VU027135.D

Acq: 25 Sep 2018 17:40

Instrument :

MSVOA_U

ClientSampleId :

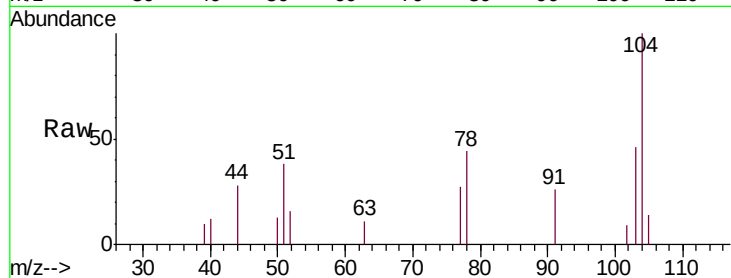
BE9G3

Tgt Ion:104 Resp: 1928

Ion Ratio Lower Upper

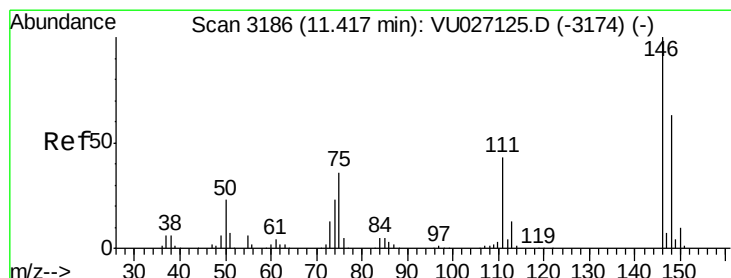
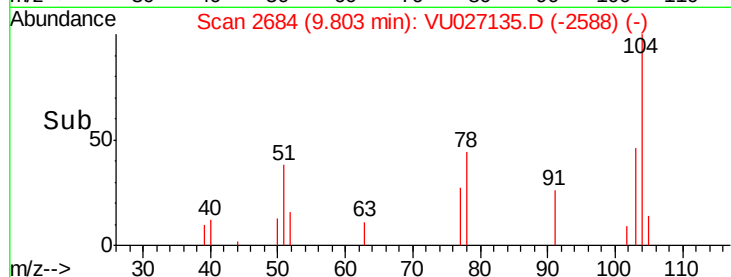
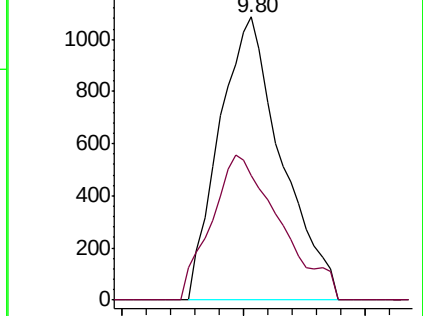
104 100

78 44.2 34.9 64.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



#62

1,3-Dichlorobenzene

Concen: 0.995 ug/L

RT: 11.42 min Scan# 3188

Delta R.T. 0.01 min

Lab File: VU027135.D

Acq: 25 Sep 2018 17:40

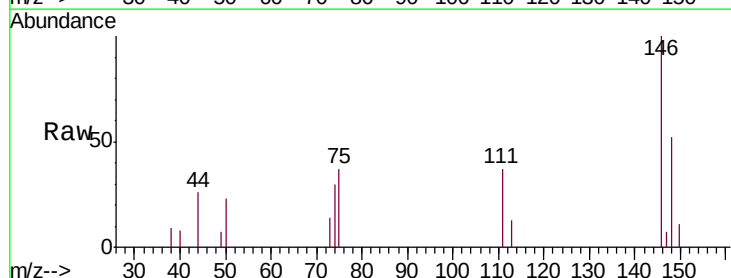
Tgt Ion:146 Resp: 2355

Ion Ratio Lower Upper

146 100

111 36.7 30.0 55.6

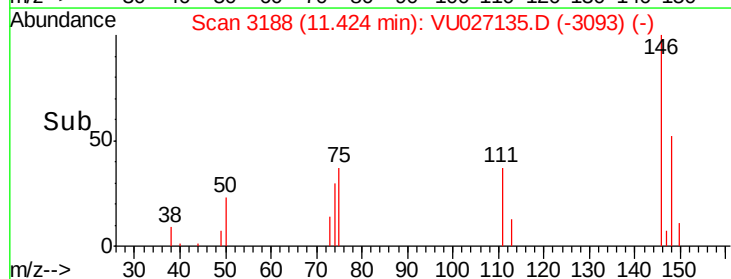
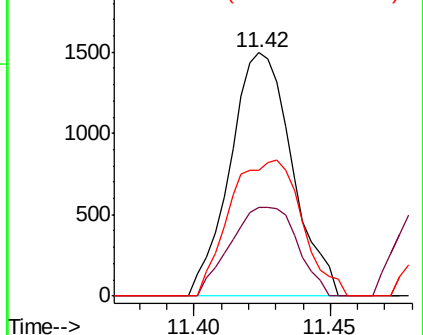
148 51.8 43.9 81.5

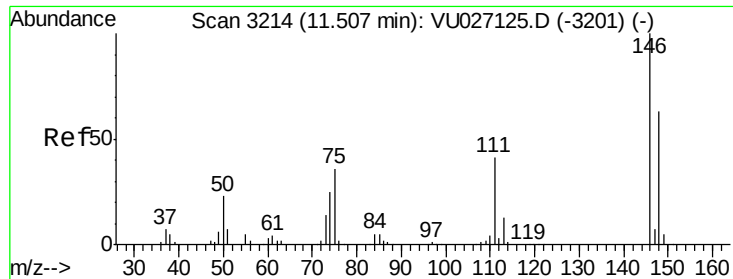


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

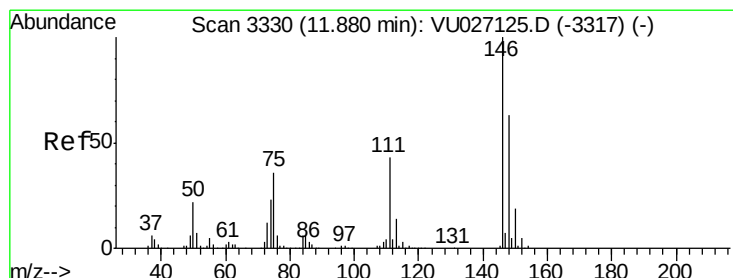
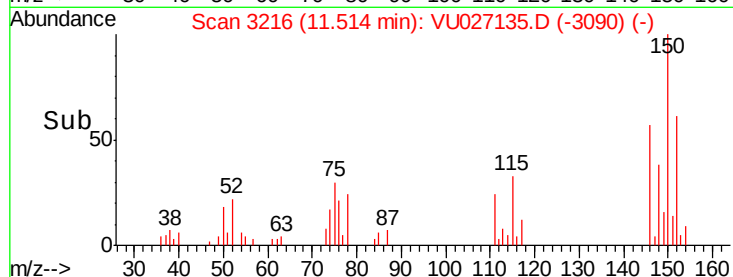
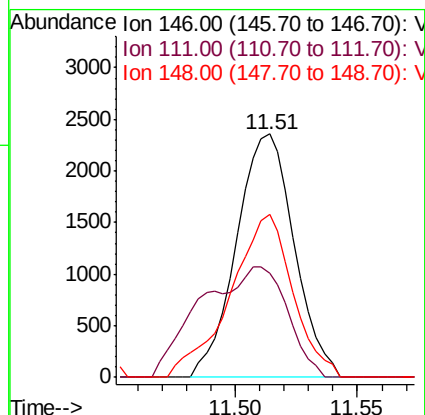
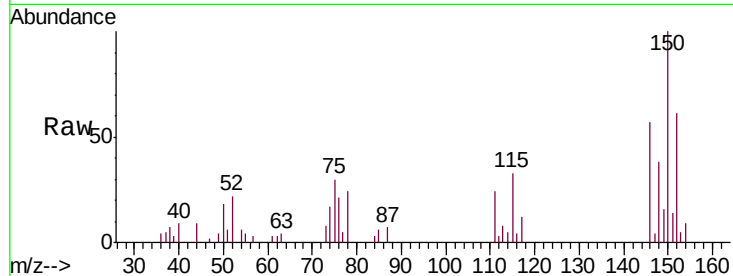




#63
 1,4-Dichlorobenzene
 Concen: 1.542 ug/L
 RT: 11.51 min Scan# 3216
 Delta R.T. 0.01 min
 Lab File: VU027135.D
 Acq: 25 Sep 2018 17:40

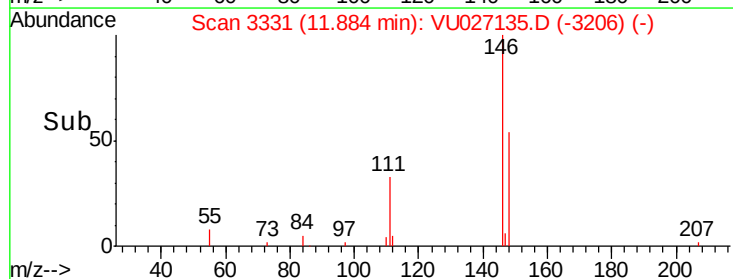
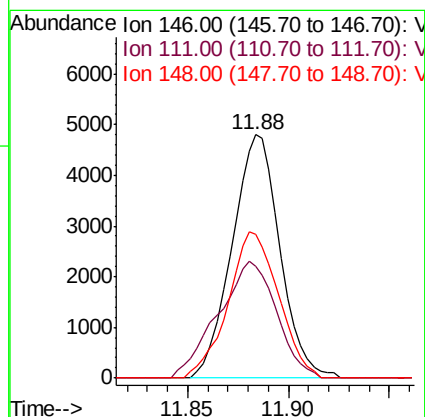
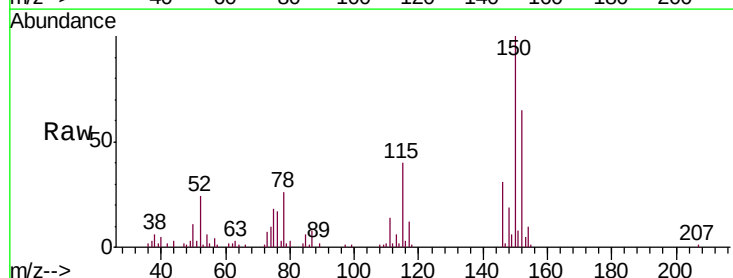
Instrument :
 MSVOA_U
 ClientSampleId :
 BE9G3

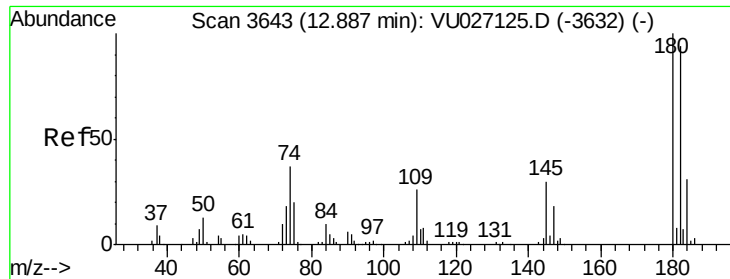
Tgt Ion:146 Resp: 3874
 Ion Ratio Lower Upper
 146 100
 111 42.6 28.5 52.9
 148 66.9 43.8 81.4



#65
 1,2-Dichlorobenzene
 Concen: 3.118 ug/L
 RT: 11.88 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VU027135.D
 Acq: 25 Sep 2018 17:40

Tgt Ion:146 Resp: 7975
 Ion Ratio Lower Upper
 146 100
 111 46.1 34.3 51.5
 148 59.3 50.1 75.1

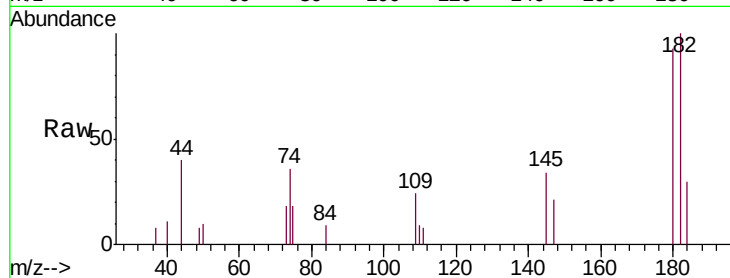




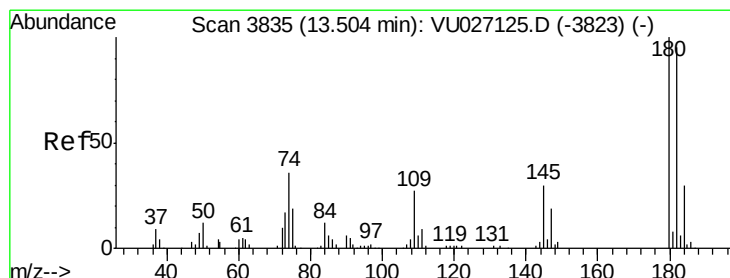
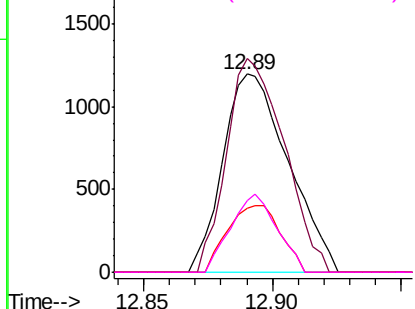
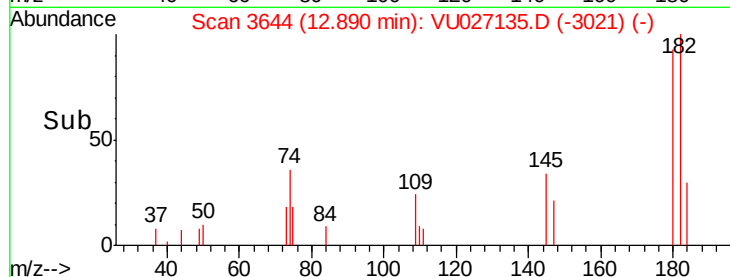
#67
 1,3,5-Trichlorobenzene
 Concen: 1.222 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU027135.D
 Acq: 25 Sep 2018 17:40

Instrument :
 MSVOA_U
 ClientSampleId :
 BE9G3

Tgt Ion:180 Resp: 2113
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.3 114.5
 184 27.3 24.6 37.0
 145 27.9 23.6 35.4

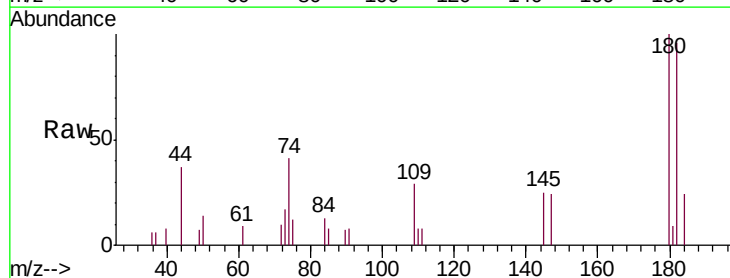


Abundance Ion 180.00 (179.70 to 180.70): V
 2000 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

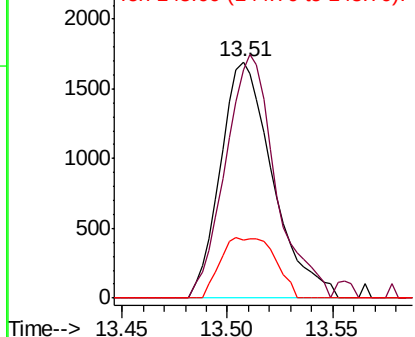
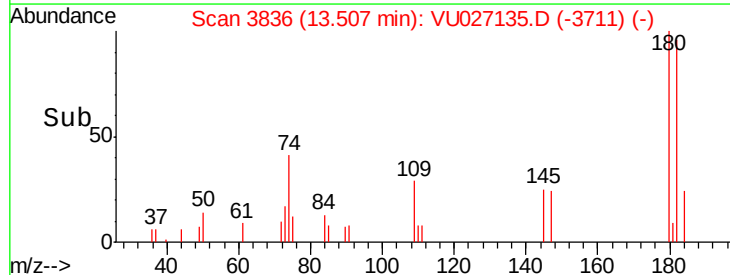


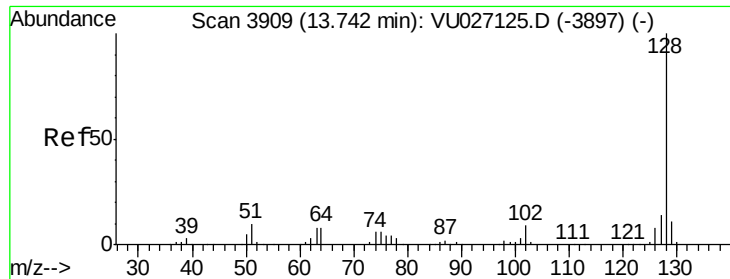
#68
 1,2,4-trichlorobenzene
 Concen: 1.982 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU027135.D
 Acq: 25 Sep 2018 17:40

Tgt Ion:180 Resp: 2915
 Ion Ratio Lower Upper
 180 100
 182 98.7 76.4 114.6
 145 12.2 24.3 36.5#



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





#69

Naphthalene

Concen: 2.083 ug/L

RT: 13.75 min Scan# 3911

Delta R.T. 0.01 min

Lab File: VU027135.D

Acq: 25 Sep 2018 17:40

Instrument :

MSVOA_U

ClientSampleId :

BE9G3

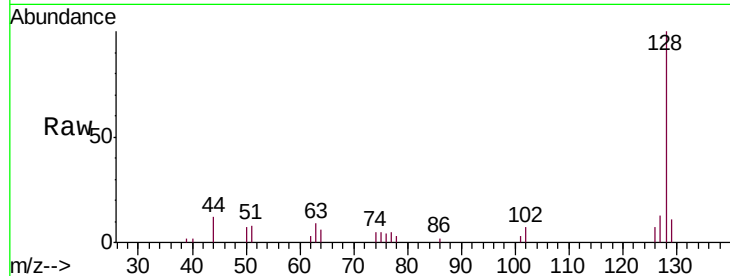
Tgt Ion:128 Resp: 10401

Ion Ratio Lower Upper

128 100

127 12.2 10.7 16.1

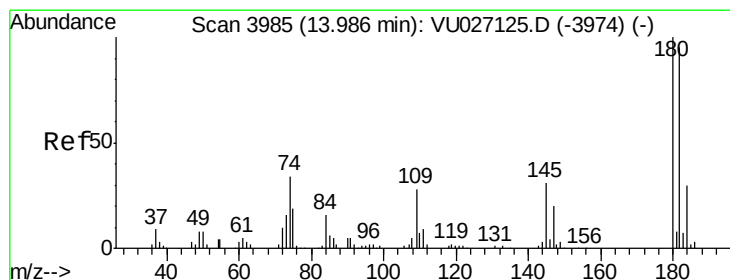
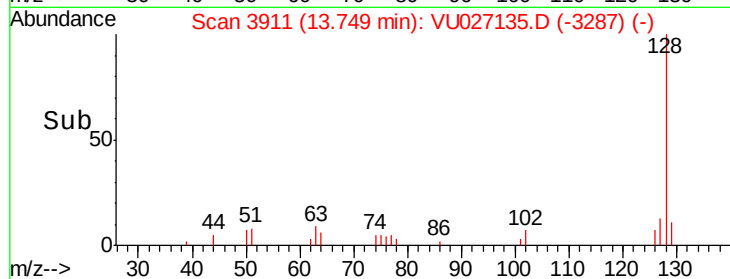
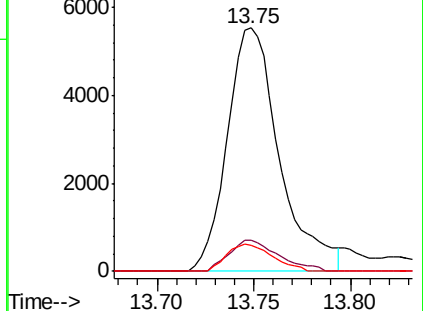
129 9.9 8.6 13.0



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



#70

1,2,3-Trichlorobenzene

Concen: 1.918 ug/L

RT: 13.99 min Scan# 3987

Delta R.T. 0.01 min

Lab File: VU027135.D

Acq: 25 Sep 2018 17:40

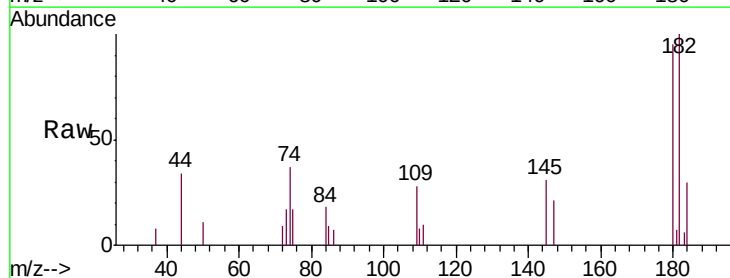
Tgt Ion:180 Resp: 3098

Ion Ratio Lower Upper

180 100

182 99.8 77.0 115.4

145 29.2 25.6 38.4



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

