

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092518\
 Data File : VU027135.D
 Acq On : 25 Sep 2018 17:40
 Operator : MD/SY
 Sample : J5011-09
 Misc : 4.75µ/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BE9G3

Quant Time: Sep 26 02:59:52 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

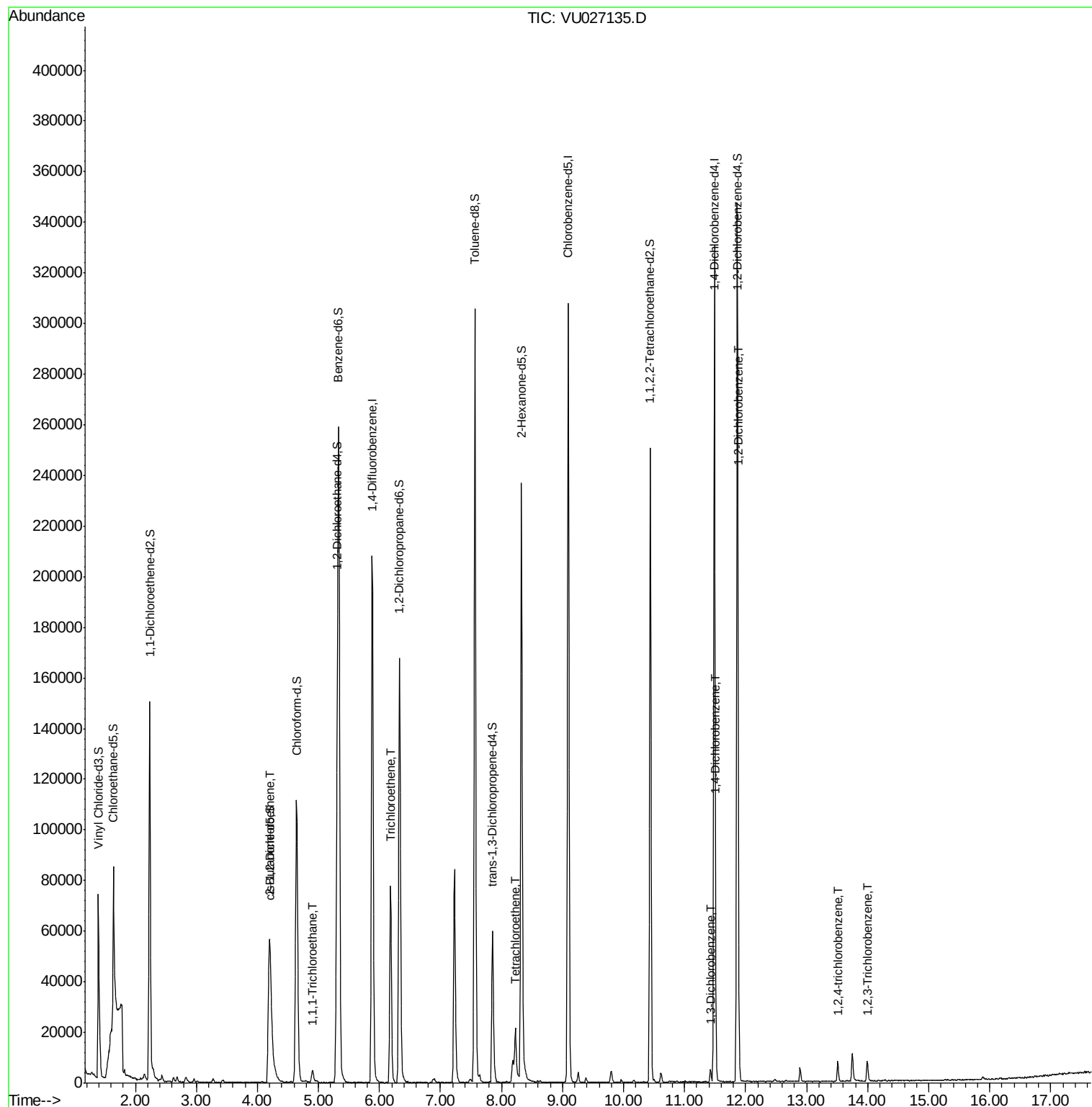
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) cis-1,2-Dichloroethene	4.22	96	8140	6.007	ug/L	84
30) 1,1,1-Trichloroethane	4.90	97	4058	1.995	ug/L	95
34) Trichloroethene	6.18	95	27803	21.850	ug/L	96
46) Tetrachloroethene	8.23	164	3678	4.031	ug/L	95
62) 1,3-Dichlorobenzene	11.42	146	2355	0.995	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
68) 1,2,4-trichlorobenzene	13.51	180	2915	1.982	ug/L #	89
70) 1,2,3-Trichlorobenzene	13.99	180	3098	1.918	ug/L	96

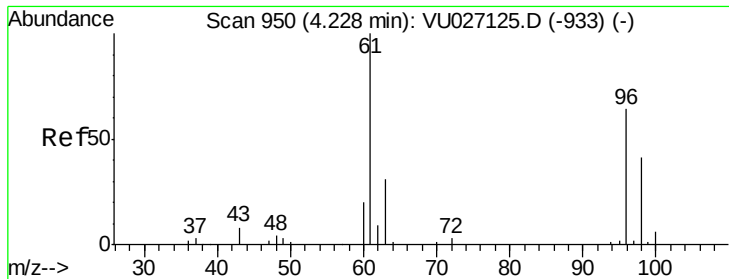
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#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 :

MSVOA_U

ClientSampleId :

BE9G3

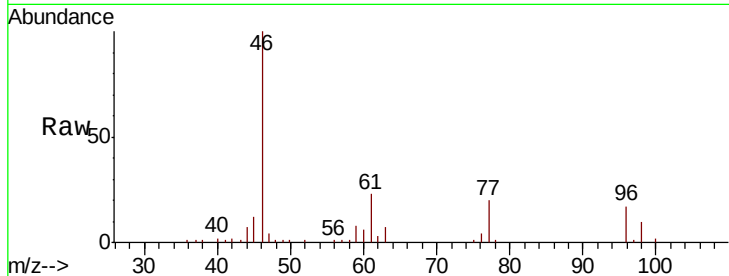
Tot Ion: 96 Resp: 8140

Ion Ratio Lower Upper

96 100

61 135.5 109.6 203.6

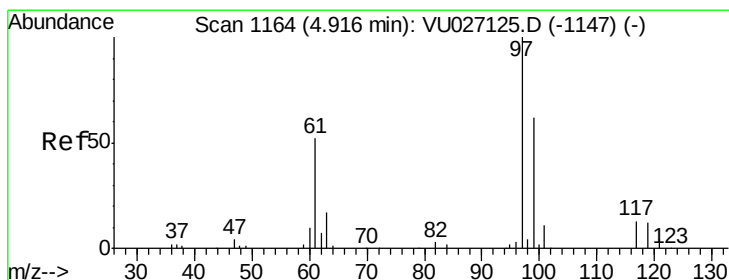
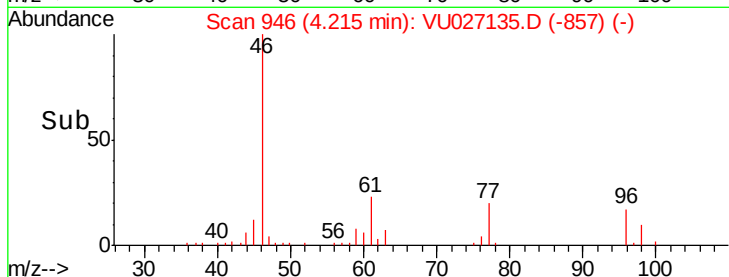
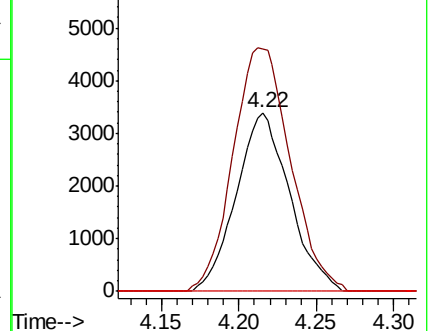
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0



#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

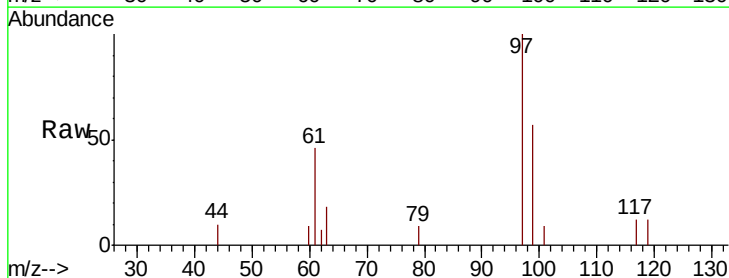
Tgt Ion: 97 Resp: 4058

Ion Ratio Lower Upper

97 100

99 63.0 51.7 77.5

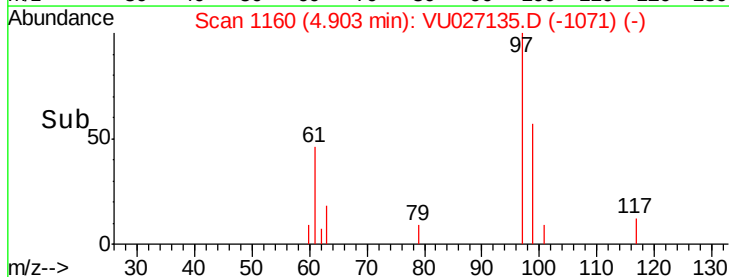
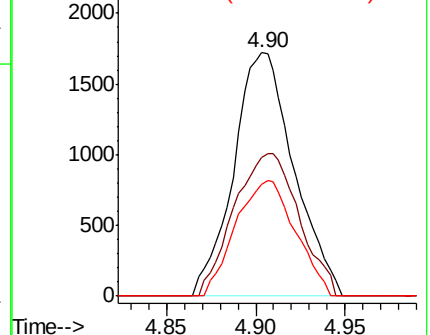
61 46.9 42.3 63.5

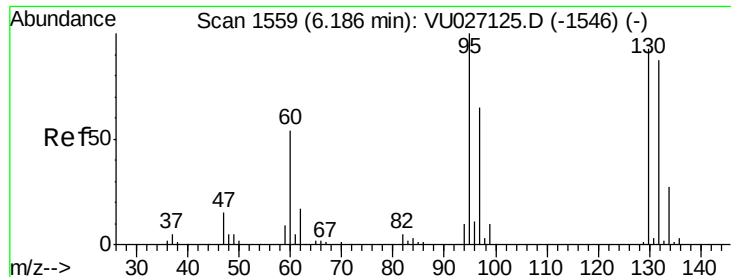


Abundance Ion 97.00 (96.70 to 97.70): VU0

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

Instrument :

MSVOA_U

ClientSampleId :

BE9G3

Tot Ion: 95 Resp: 27803

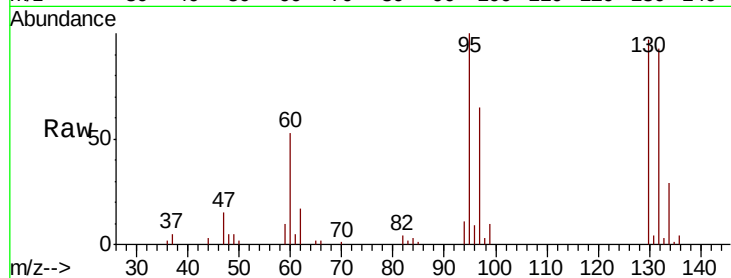
Ion Ratio Lower Upper

95 100

97 65.1 45.4 84.2

132 92.6 61.1 113.5

130 96.7 65.0 120.6

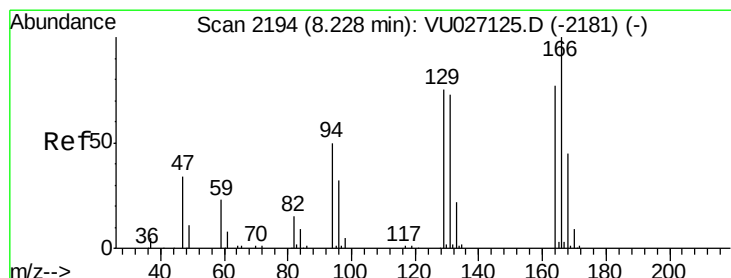
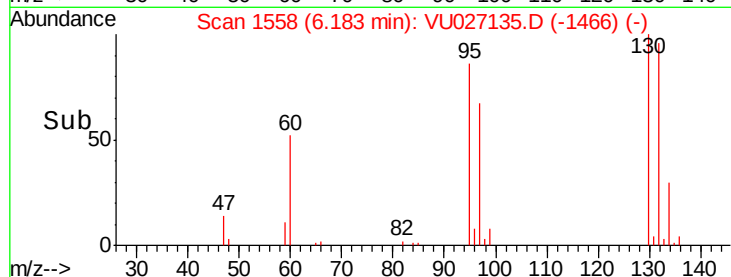
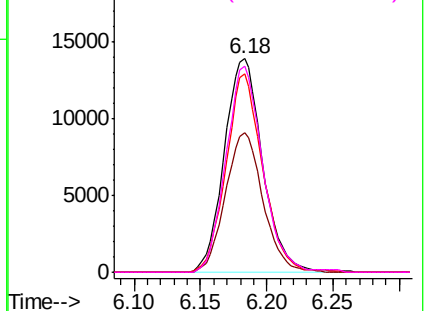


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#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

Tgt Ion: 164 Resp: 3678

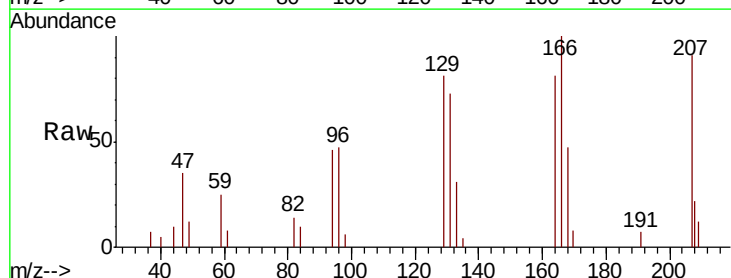
Ion Ratio Lower Upper

164 100

129 100.0 67.8 125.8

131 89.9 66.4 123.2

166 123.1 90.4 167.8

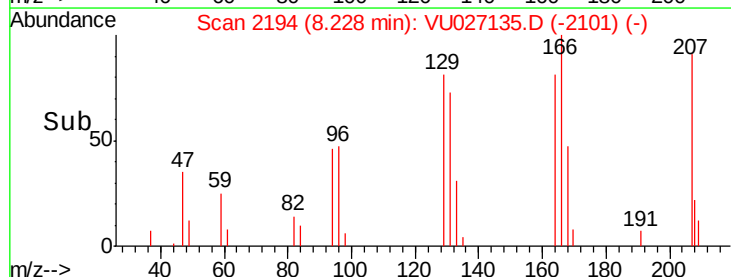
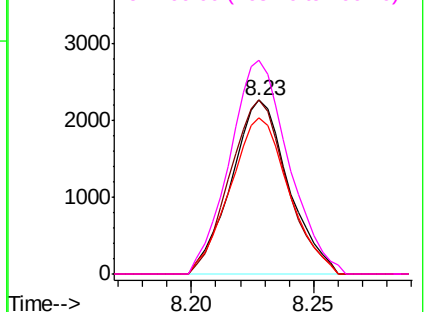


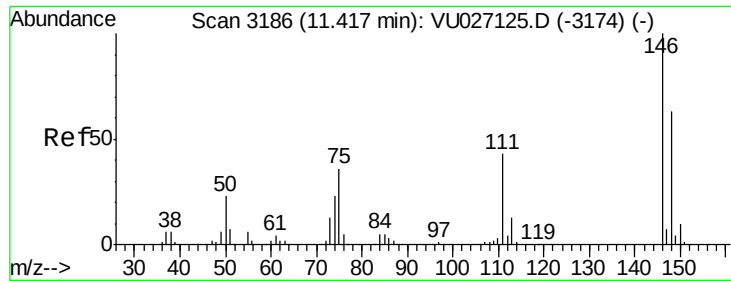
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

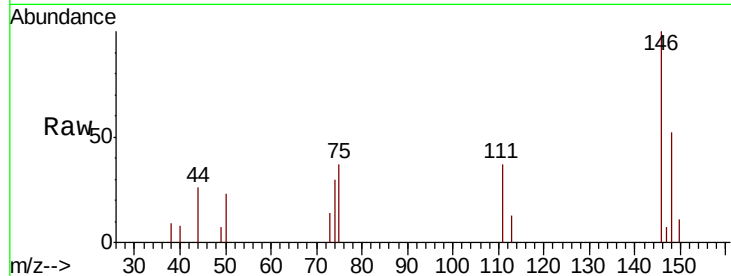




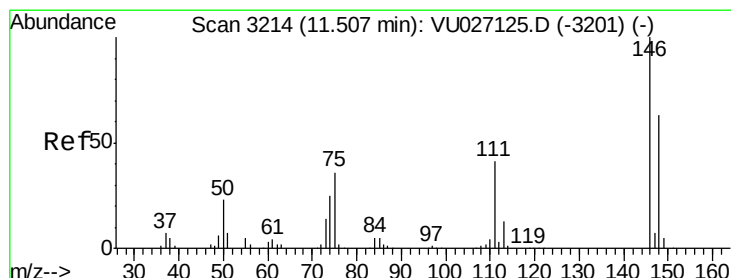
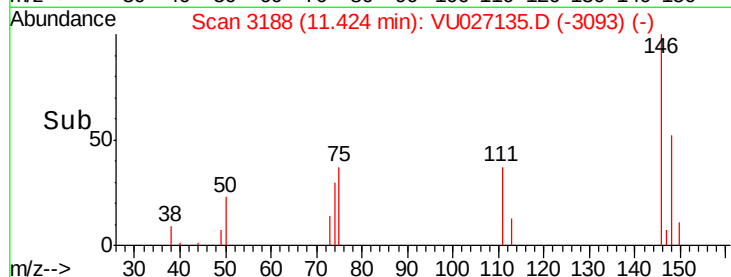
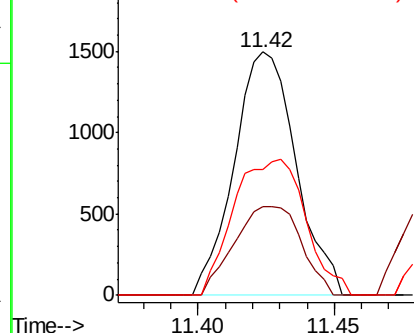
#62
 1,3-Dichlorobenzene
 Concen: 0.995 ug/L
 RT: 11.42 min Scan# 3188
 Delta R.T. 0.01 min
 Lab File: VU027135.D
 Acq: 25 Sep 2018 17:40

Instrument :
 MSVOA_U
 ClientSampleId :
 BE9G3

Tot Ion:146 Resp: 2355
 Ion Ratio Lower Upper
 146 100
 111 36.7 30.0 55.6
 148 51.8 43.9 81.5

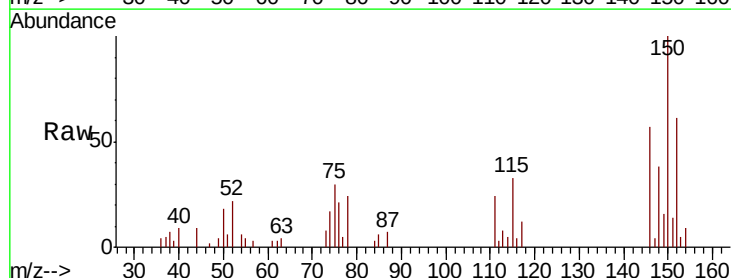


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

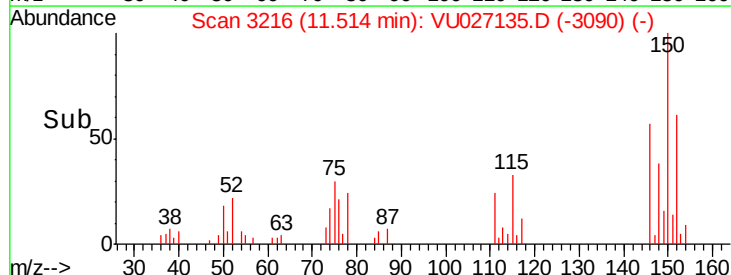
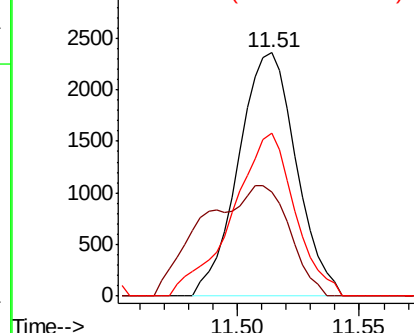


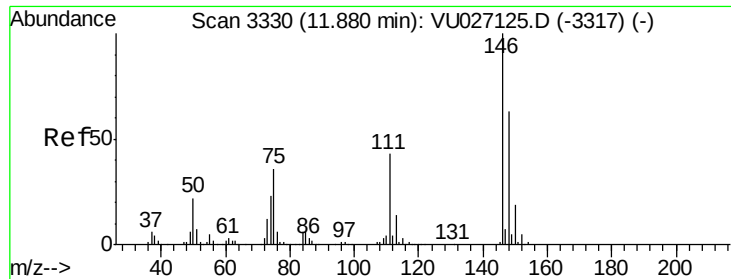
#63
 1,4-Dichlorobenzene
 Concen: 1.542 ug/L
 RT: 11.51 min Scan# 3216
 Delta R.T. 0.01 min
 Lab File: VU027135.D
 Acq: 25 Sep 2018 17:40

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



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

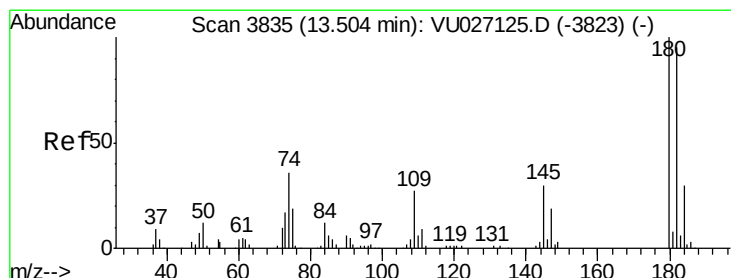
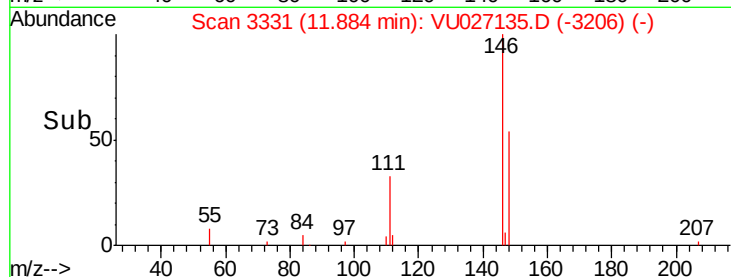
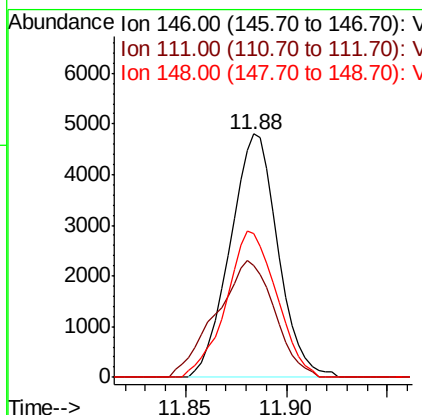
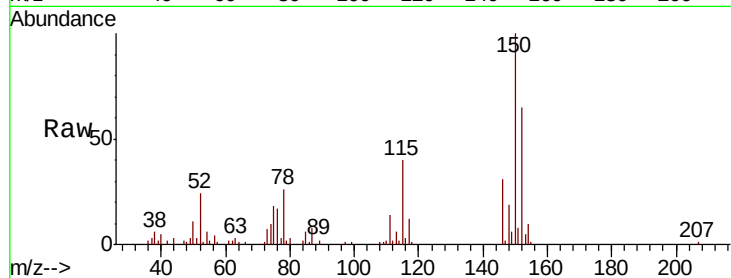




#65
 1,2-Dichlorobenzene
 Concen: 3.118 ug/L
 RT: 11.88 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VU027135.D
 Acq: 25 Sep 2018 17:40

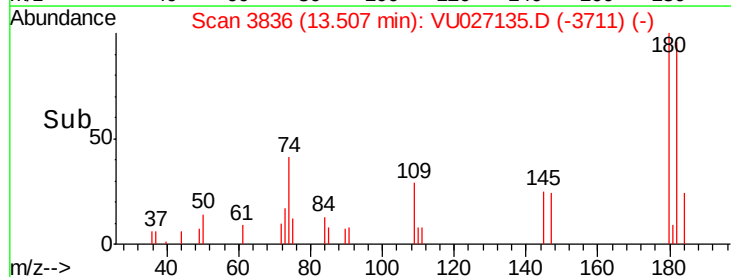
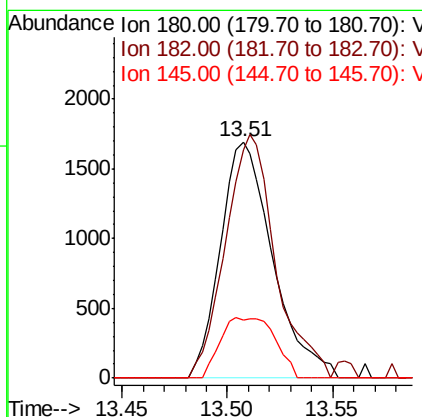
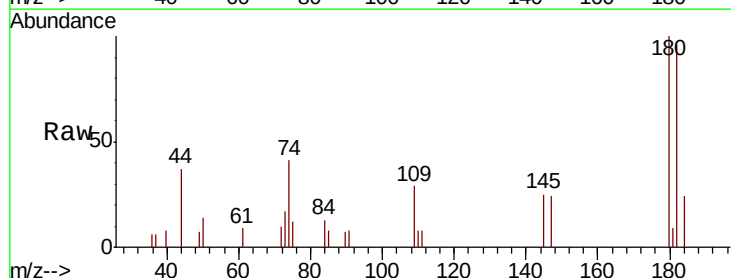
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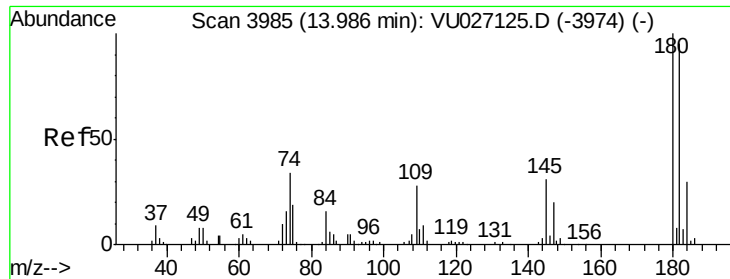
Tot Ion:146 Resp: 7975
 Ion Ratio Lower Upper
 146 100
 111 46.1 34.3 51.5
 148 59.3 50.1 75.1



#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#





#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

Instrument :

MSVOA_U

ClientSampleId :

BE9G3

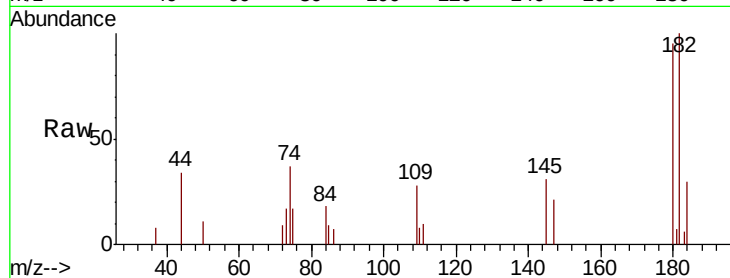
Tot Ion:180 Resp: 3098

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

