

Data File : VU029692.D
Acq On : 26 Feb 2019 19:15
Operator : JC/SP
Sample : K1624-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 27 01:57:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 27 01:53:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	445064	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	430145	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	209255	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	144079	44.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.36%
7) Chloroethane-d5	1.68	69	132493	45.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.40%
11) 1,1-Dichloroethene-d2	2.27	63	207373	32.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.06%
21) 2-Butanone-d5	4.17	46	227926	114.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.84%
24) Chloroform-d	4.65	84	274248	51.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.70%
26) 1,2-Dichloroethane-d4	5.31	65	179753	53.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.34%
32) Benzene-d6	5.34	84	612845	56.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.24%
36) 1,2-Dichloropropane-d6	6.33	67	189959	58.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	116.66%
41) Toluene-d8	7.56	98	572751	51.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.70%
43) trans-1,3-Dichloropropene-	7.85	79	83911	48.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.16%
47) 2-Hexanone-d5	8.31	63	178087	98.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.21%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	287837	52.31	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.62%
64) 1,2-Dichlorobenzene-d4	11.86	152	239330	53.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.14%

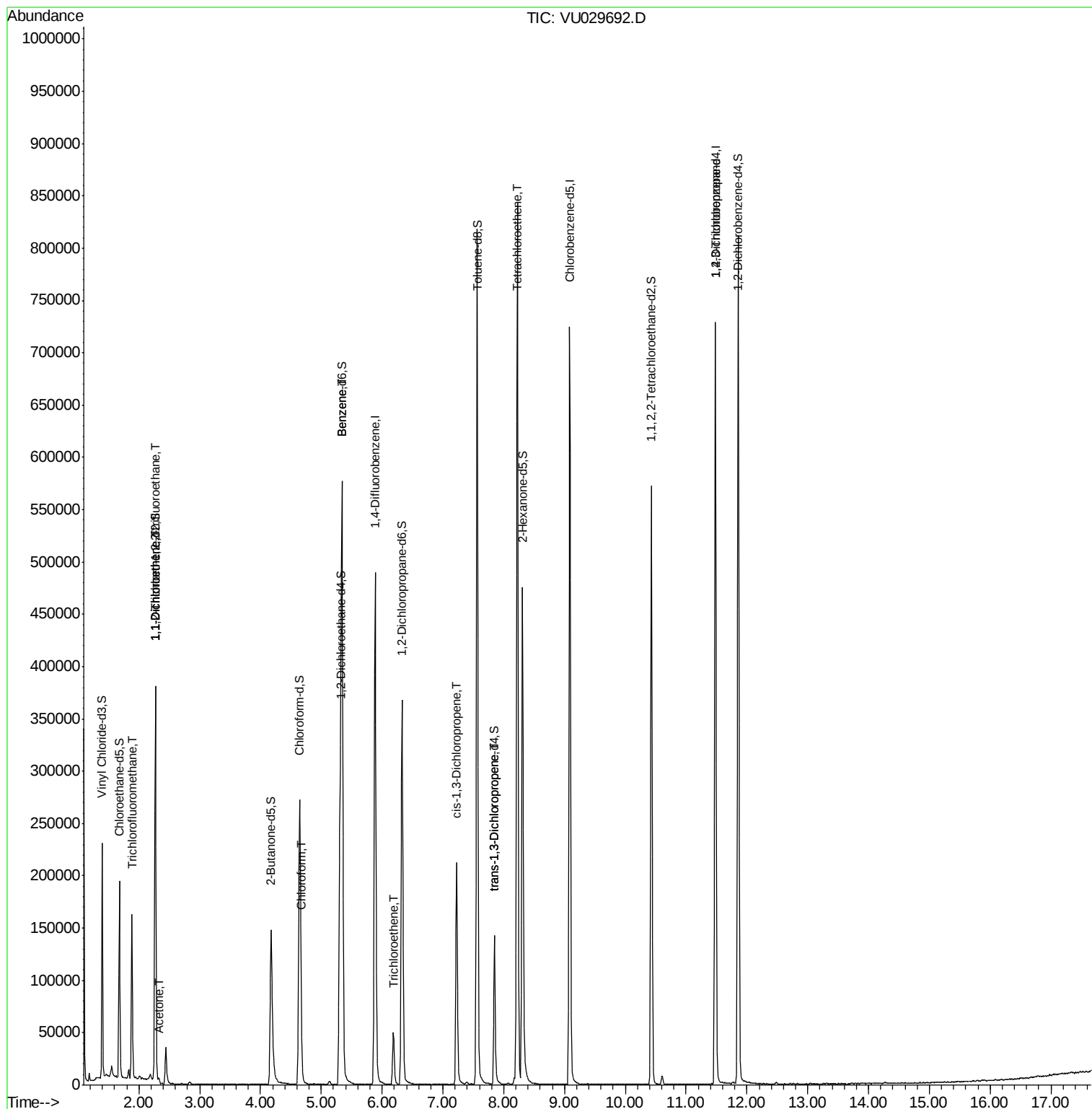
Target Compounds

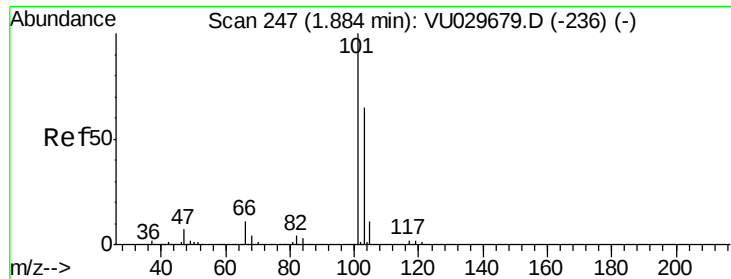
					Qvalue
9) Trichlorofluoromethane	1.88	101	95220	16.429 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2212	0.714 ug/L #	17
12) 1,1-Dichloroethene	2.27	96	1876	0.637 ug/L #	1
13) Acetone	2.32	43	2709	1.277 ug/L	85
25) Chloroform	4.68	83	15471	2.948 ug/L	93
33) Benzene	5.33	78	4416	0.400 ug/L	100
34) Trichloroethene	6.19	95	17734	5.969 ug/L	98
39) cis-1,3-Dichloropropene	7.22	75	4988	1.068 ug/L #	51
44) trans-1,3-Dichloropropene	7.85	75	3329	0.756 ug/L #	74
46) Tetrachloroethene	8.22	164	208681	71.765 ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	21507	5.210 ug/L	94

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

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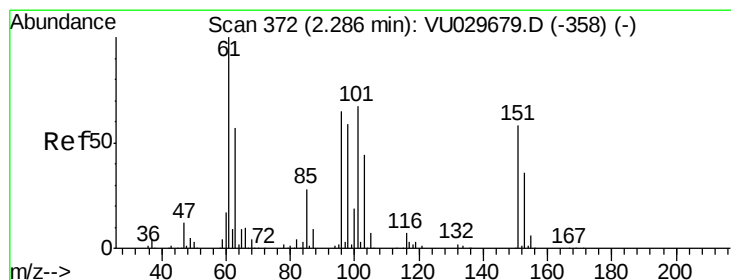
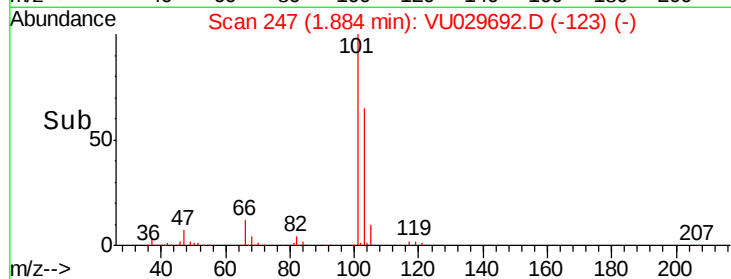
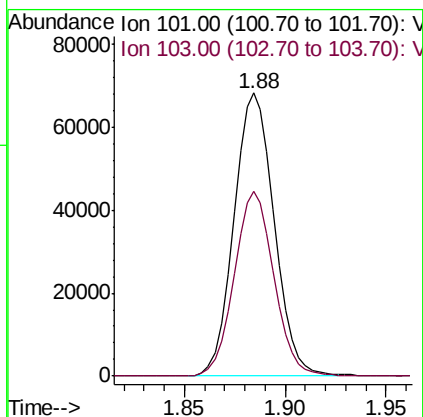
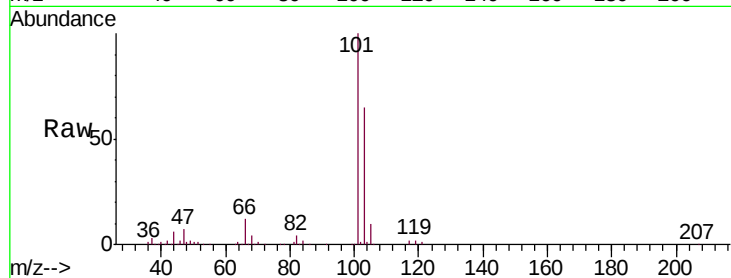
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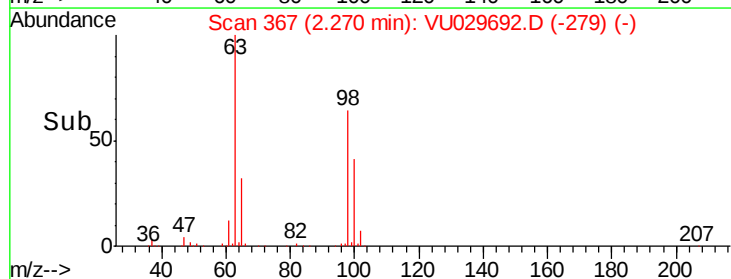
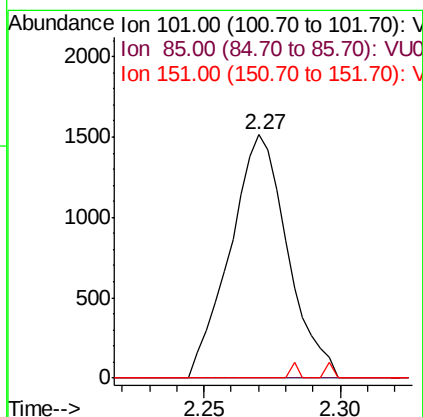
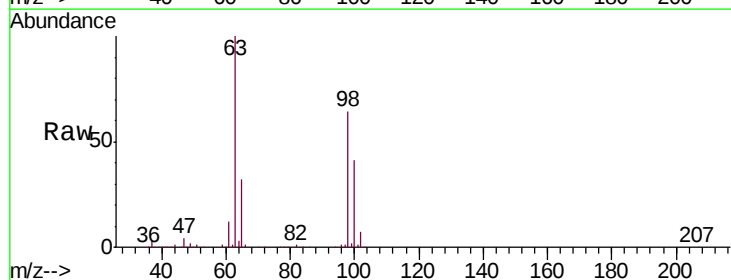
#9
 Trichlorofluoromethane
 Concen: 16.429 ug/L
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU029692.D
 Acq: 26 Feb 2019 19:15

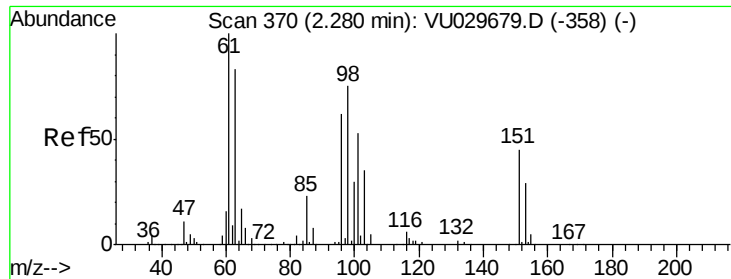
Tgt Ion:101 Resp: 95220
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.4 77.2



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.714 ug/L
 RT: 2.27 min Scan# 367
 Delta R.T. -0.02 min
 Lab File: VU029692.D
 Acq: 26 Feb 2019 19:15

Tgt Ion:101 Resp: 2212
 Ion Ratio Lower Upper
 101 100
 85 0.0 33.0 49.6#
 151 0.0 65.7 98.5#





#12

1,1-Dichloroethene

Concen: 0.637 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029692.D

Acq: 26 Feb 2019 19:15

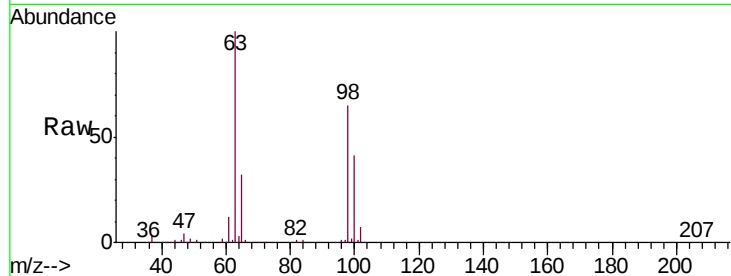
Tgt Ion: 96 Resp: 1876

Ion Ratio Lower Upper

96 100

61 1276.3 114.0 211.8#

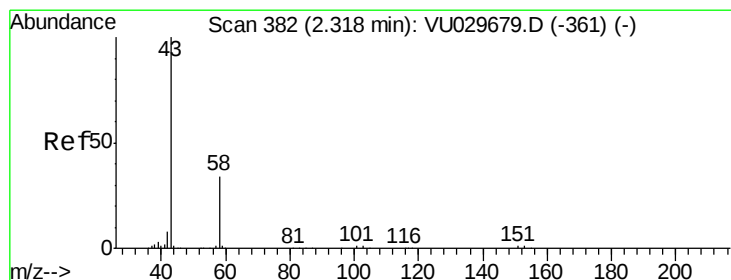
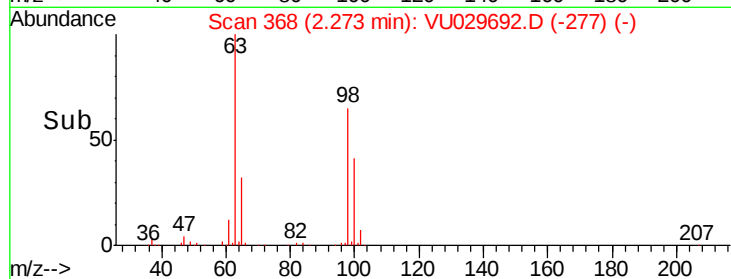
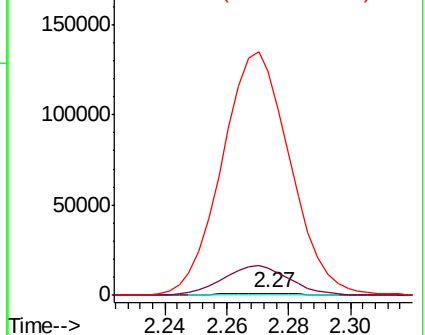
63 10719.4 98.7 183.3#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 1.277 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU029692.D

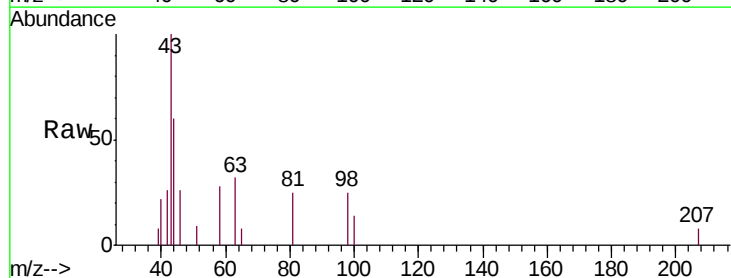
Acq: 26 Feb 2019 19:15

Tgt Ion: 43 Resp: 2709

Ion Ratio Lower Upper

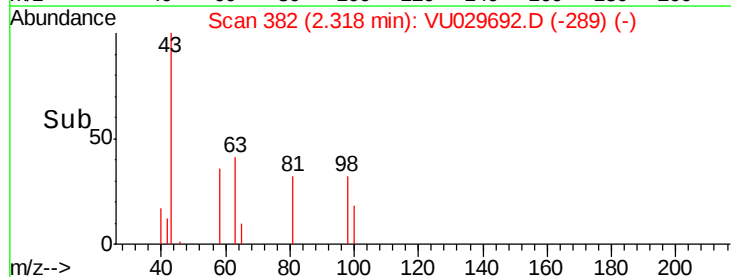
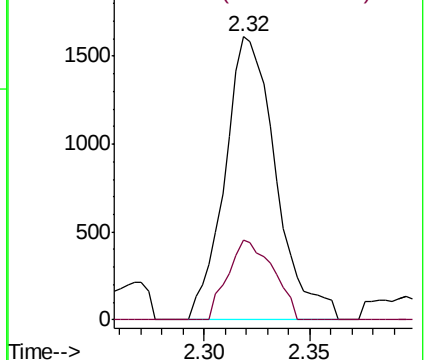
43 100

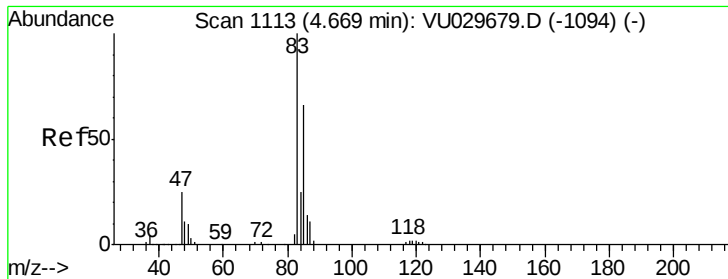
58 25.1 0.0 66.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

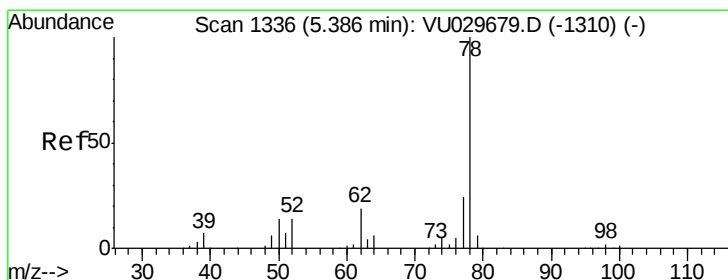
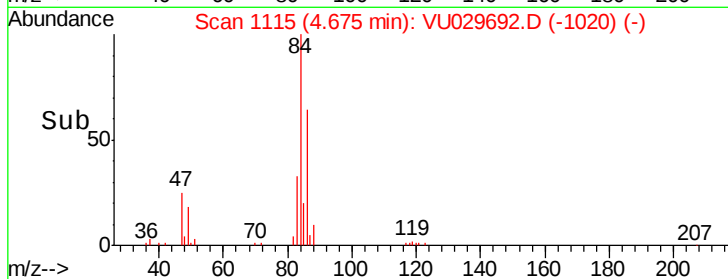
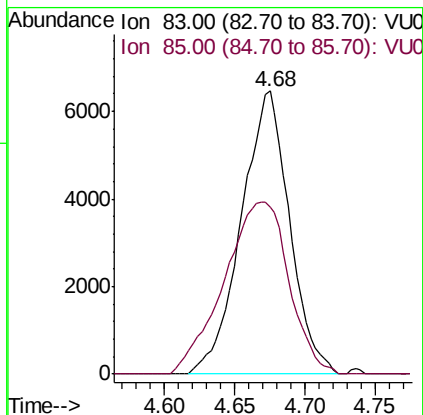
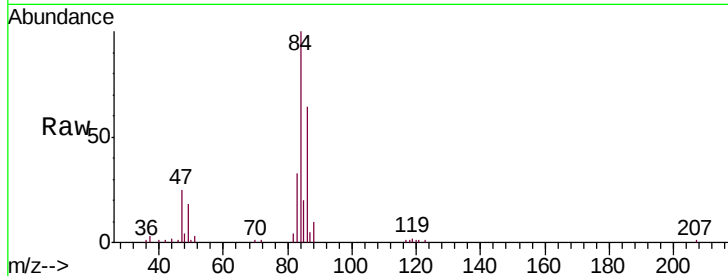
Ion 58.00 (57.70 to 58.70): VU0





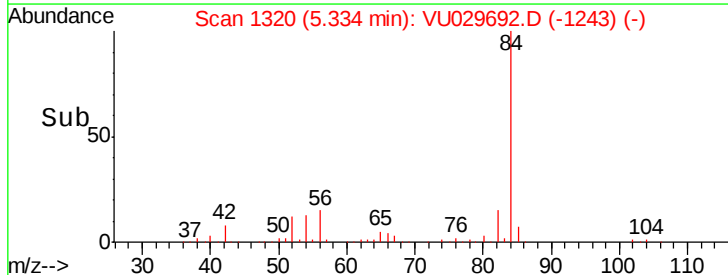
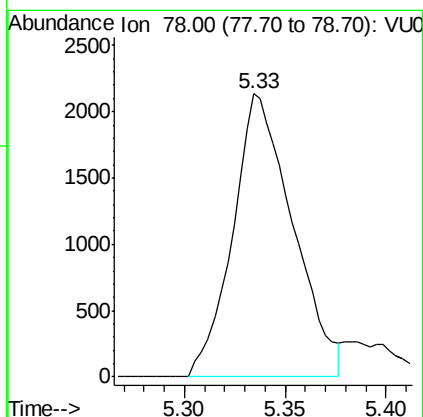
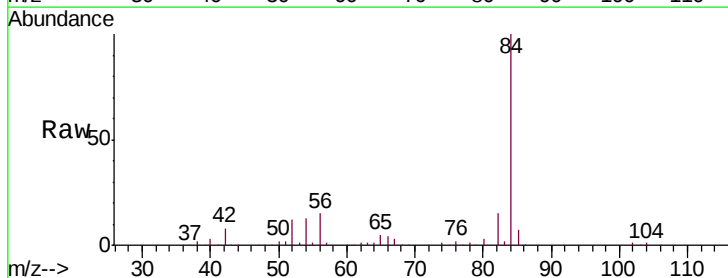
#25
Chloroform
Concen: 2.948 ug/L
RT: 4.68 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VU029692.D
Acq: 26 Feb 2019 19:15

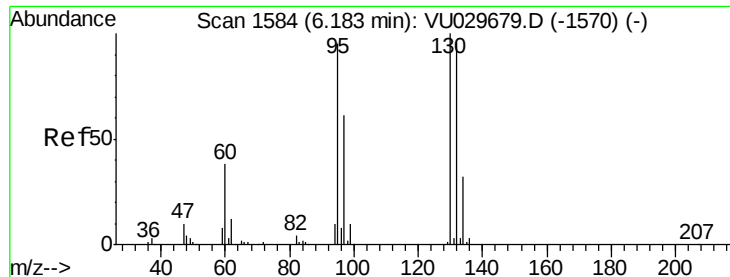
Tgt Ion: 83 Resp: 15471
Ion Ratio Lower Upper
83 100
85 59.0 45.4 84.2



#33
Benzene
Concen: 0.400 ug/L
RT: 5.33 min Scan# 1320
Delta R.T. -0.05 min
Lab File: VU029692.D
Acq: 26 Feb 2019 19:15

Tgt Ion: 78 Resp: 4416





#34

Trichloroethene

Concen: 5.969 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VU029692.D

Acq: 26 Feb 2019 19:15

Tgt Ion: 95 Resp: 17734

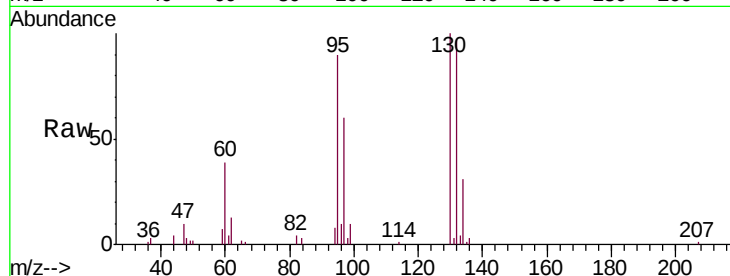
Ion Ratio Lower Upper

95 100

97 67.0 44.6 82.8

132 108.1 74.6 138.6

130 111.7 77.2 143.4

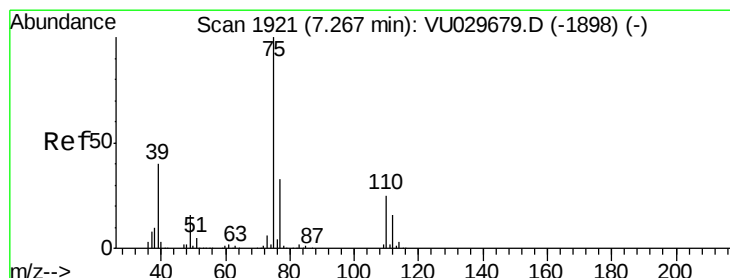
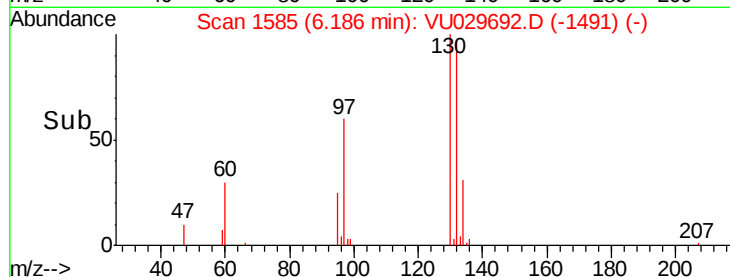
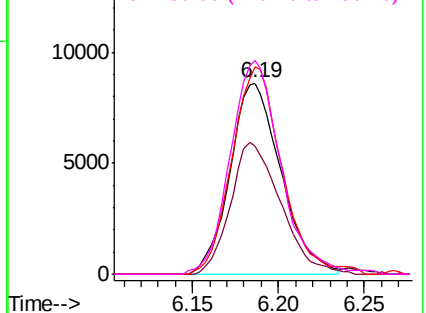


Abundance Ion 95.00 (94.70 to 95.70): VU029679.D (-1570) (-)

Ion 97.00 (96.70 to 97.70): VU029679.D (-1570) (-)

Ion 132.00 (131.70 to 132.70): VU029679.D (-1570) (-)

Ion 130.00 (129.70 to 130.70): VU029679.D (-1570) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.068 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU029692.D

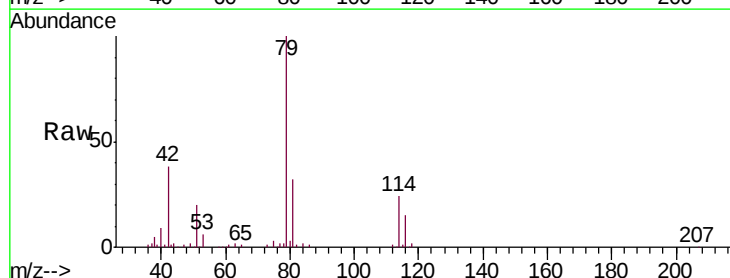
Acq: 26 Feb 2019 19:15

Tgt Ion: 75 Resp: 4988

Ion Ratio Lower Upper

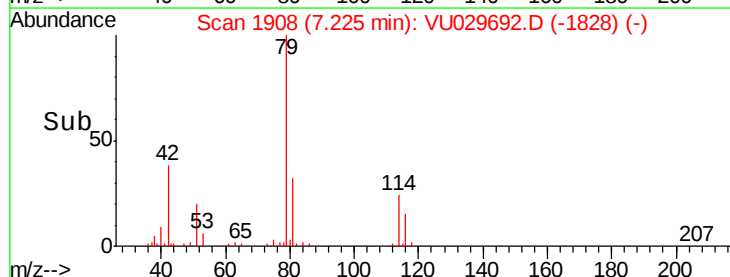
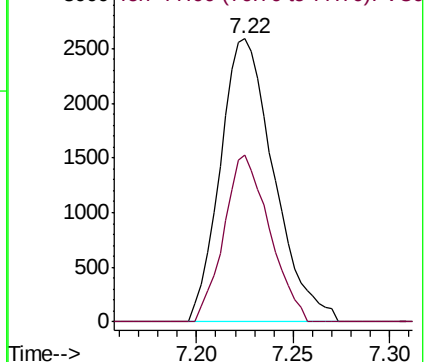
75 100

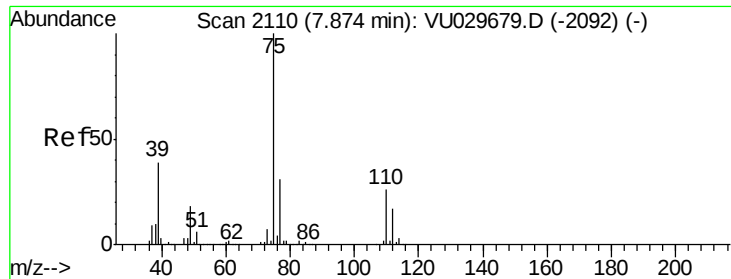
77 58.9 22.3 41.5#



Abundance Ion 75.00 (74.70 to 75.70): VU029679.D (-1898) (-)

Ion 77.00 (76.70 to 77.70): VU029679.D (-1898) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.756 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU029692.D

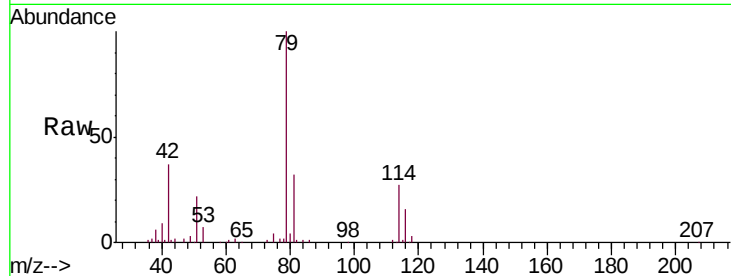
Acq: 26 Feb 2019 19:15

Tgt Ion: 75 Resp: 3329

Ion Ratio Lower Upper

75 100

77 45.9 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU029679.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU029679.D (-2092) (-)

7.85

2000

1500

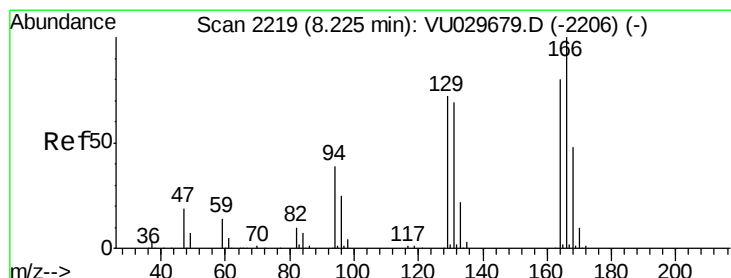
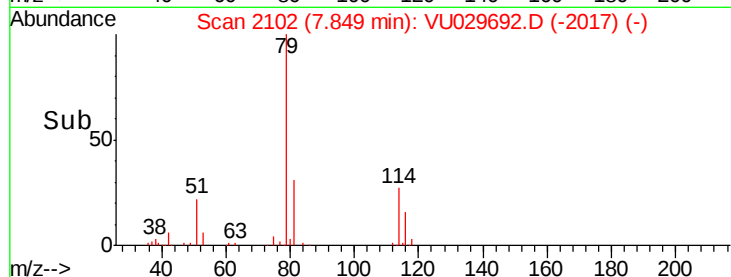
1000

500

0

7.80 7.85 7.90

Time-->



#46

Tetrachloroethene

Concen: 71.765 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU029692.D

Acq: 26 Feb 2019 19:15

Tgt Ion: 164 Resp: 208681

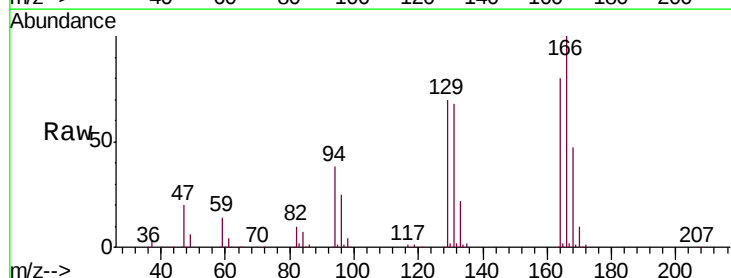
Ion Ratio Lower Upper

164 100

129 87.5 62.1 115.3

131 85.0 60.1 111.5

166 125.6 89.7 166.5



Abundance Ion 164.00 (163.70 to 164.70): VU029679.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU029679.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU029679.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU029679.D (-2206) (-)

8.22

200000

150000

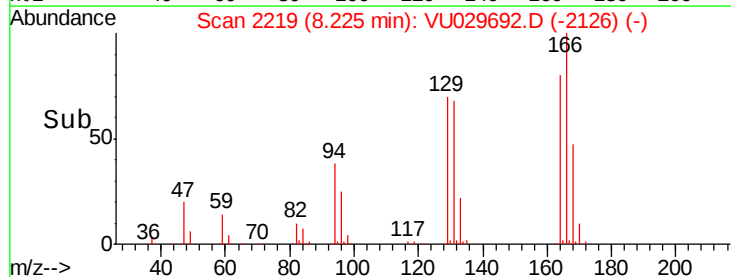
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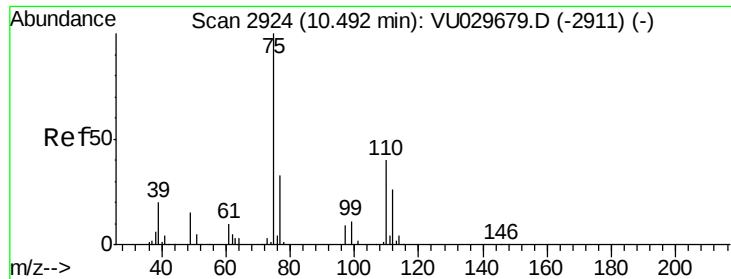
50000

0

8.15 8.20 8.25 8.30

Time-->





#59

1,2,3-Trichloropropane

Concen: 5.210 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU029692.D

Acq: 26 Feb 2019 19:15

Tgt Ion: 75 Resp: 21507

Ion Ratio Lower Upper

75 100

77 35.7 25.7 38.5

