

Data File : VU029691.D
Acq On : 26 Feb 2019 18:52
Operator : JC/SP
Sample : K1624-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 27 01:57:20 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	463089	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	444756	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	218952	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	139845	41.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.42%
7) Chloroethane-d5	1.68	69	127332	42.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.42%
11) 1,1-Dichloroethene-d2	2.27	63	211955	31.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.90%
21) 2-Butanone-d5	4.17	46	216538	104.86	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.86%
24) Chloroform-d	4.65	84	276472	50.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.46%
26) 1,2-Dichloroethane-d4	5.31	65	176401	50.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.24%
32) Benzene-d6	5.34	84	597127	53.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.72%
36) 1,2-Dichloropropane-d6	6.33	67	183160	54.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.80%
41) Toluene-d8	7.56	98	554467	48.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.10%
43) trans-1,3-Dichloropropene-	7.85	79	82949	46.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.90%
47) 2-Hexanone-d5	8.31	63	167045	89.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.09%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	279207	49.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.16%
64) 1,2-Dichlorobenzene-d4	11.86	152	233148	49.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.82%

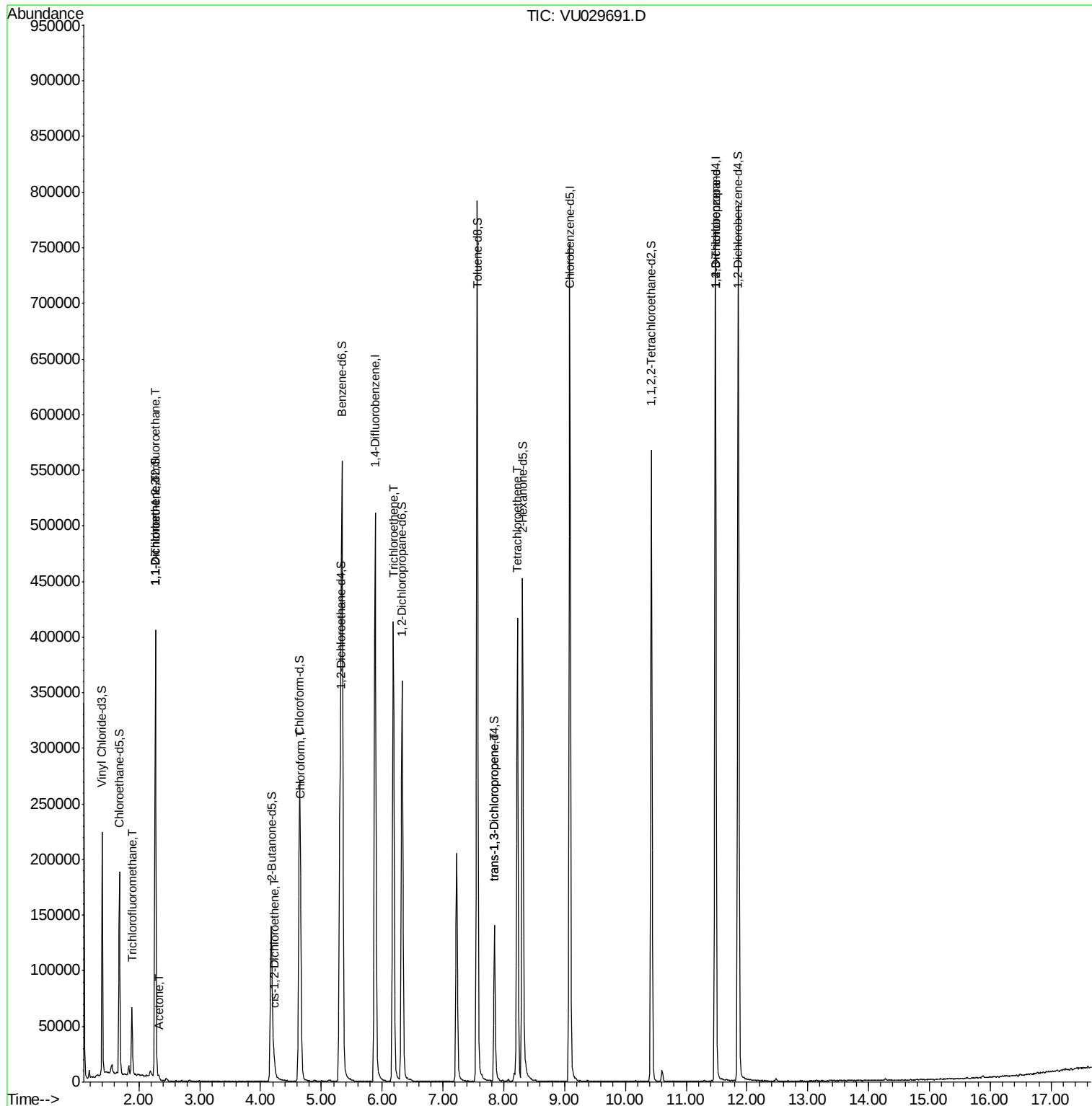
Target Compounds

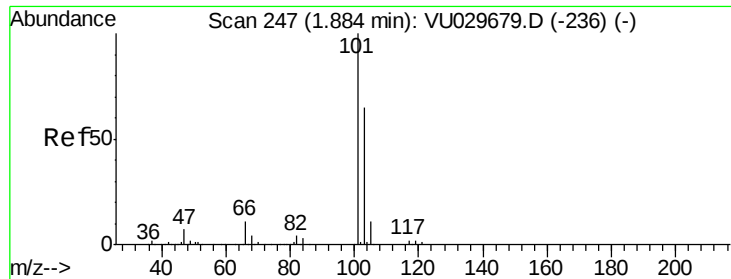
						Qvalue
9) Trichlorofluoromethane	1.88	101	35846	5.944	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2082	0.645	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	1880	0.613	ug/L #	1
13) Acetone	2.32	43	2177	0.987	ug/L	84
20) cis-1,2-Dichloroethene	4.23	96	4355	1.324	ug/L	91
25) Chloroform	4.67	83	8160	1.494	ug/L	98
34) Trichloroethene	6.18	95	148458	48.329	ug/L	97
44) trans-1,3-Dichloropropene	7.85	75	3457	0.760	ug/L	98
46) Tetrachloroethene	8.22	164	100415	33.398	ug/L	97
59) 1,2,3-Trichloropropane	11.48	75	20743	4.860	ug/L #	86

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

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#9

Trichlorofluoromethane

Concen: 5.944 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU029691.D

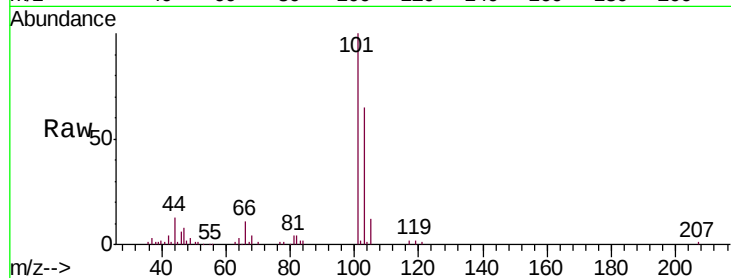
Acq: 26 Feb 2019 18:52

Tgt Ion:101 Resp: 35846

Ion Ratio Lower Upper

101 100

103 63.7 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.88

25000

20000

15000

10000

5000

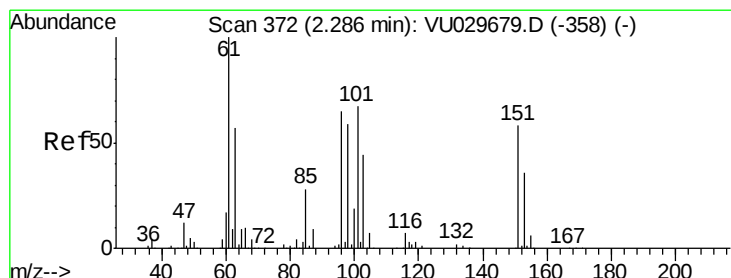
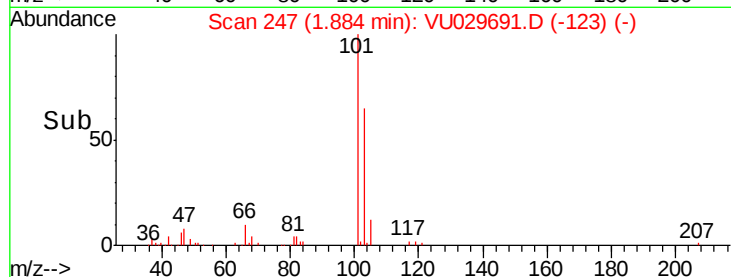
0

Time-->

1.85

1.90

1.95



#10

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

Concen: 0.645 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU029691.D

Acq: 26 Feb 2019 18:52

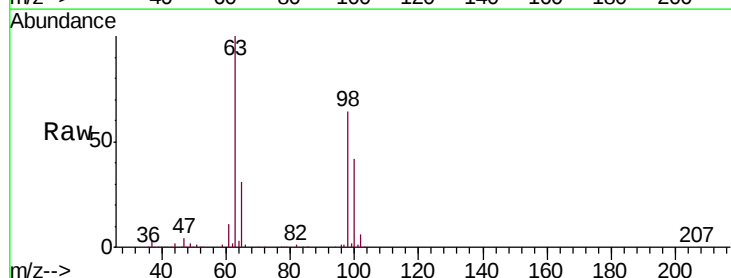
Tgt Ion:101 Resp: 2082

Ion Ratio Lower Upper

101 100

85 2.0 33.0 49.6#

151 0.0 65.7 98.5#



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

1500

1000

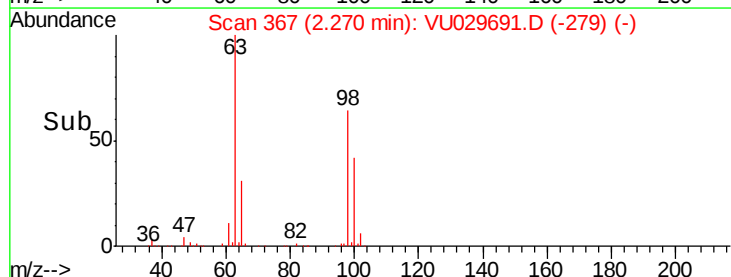
500

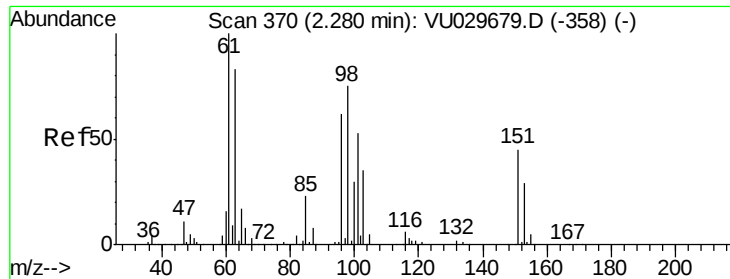
0

Time-->

2.25

2.30





#12

1,1-Dichloroethene

Concen: 0.613 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU029691.D

Acq: 26 Feb 2019 18:52

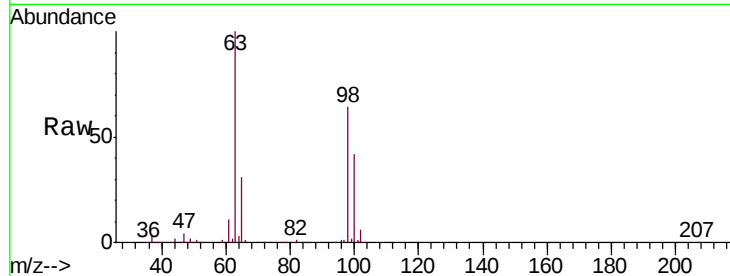
Tgt Ion: 96 Resp: 1880

Ion Ratio Lower Upper

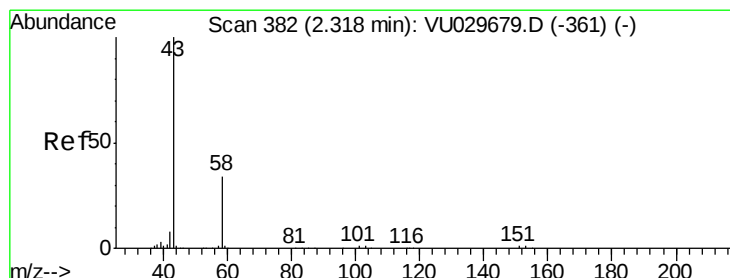
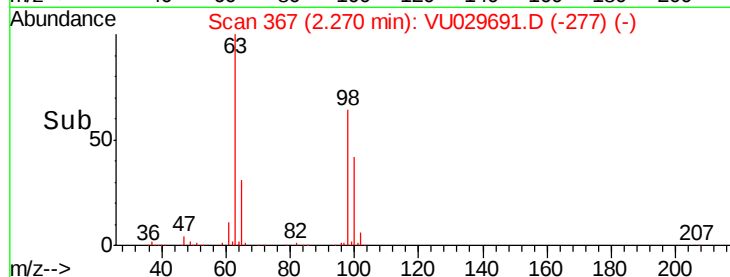
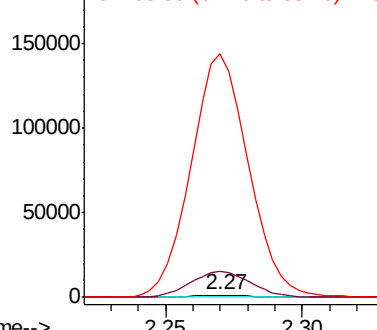
96 100

61 1242.1 114.0 211.8#

63 11427.5 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: 0.987 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU029691.D

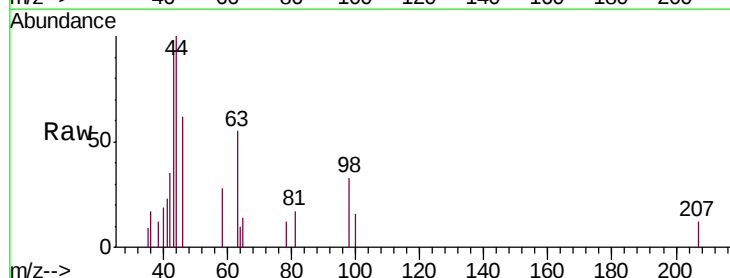
Acq: 26 Feb 2019 18:52

Tgt Ion: 43 Resp: 2177

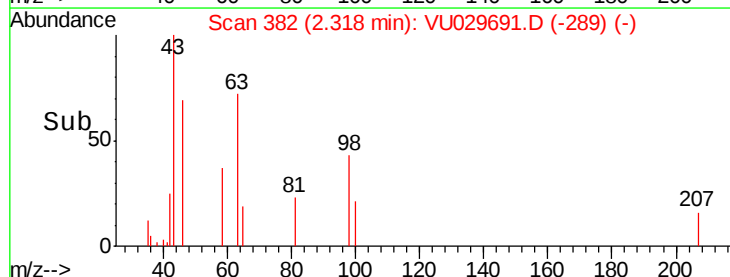
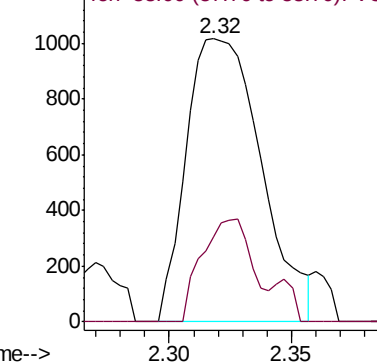
Ion Ratio Lower Upper

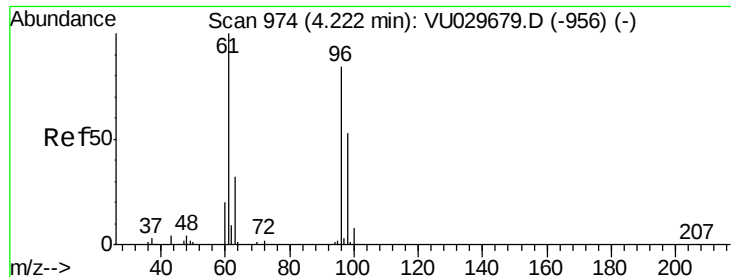
43 100

58 24.4 0.0 66.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 1.324 ug/L

RT: 4.23 min Scan# 977

Delta R.T. 0.01 min

Lab File: VU029691.D

Acq: 26 Feb 2019 18:52

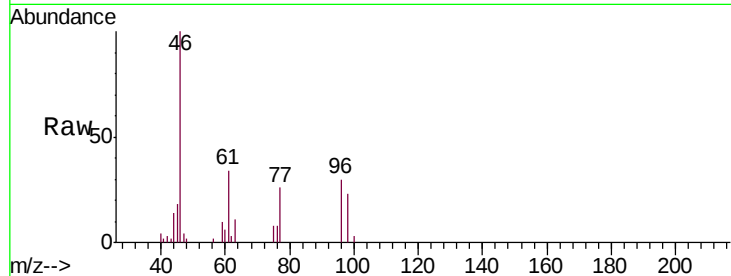
Tgt Ion: 96 Resp: 4355

Ion Ratio Lower Upper

96 100

61 110.2 83.9 155.7

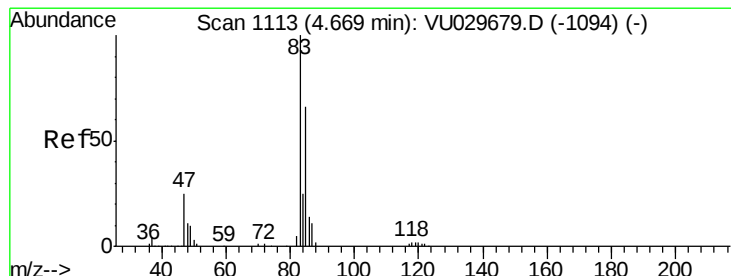
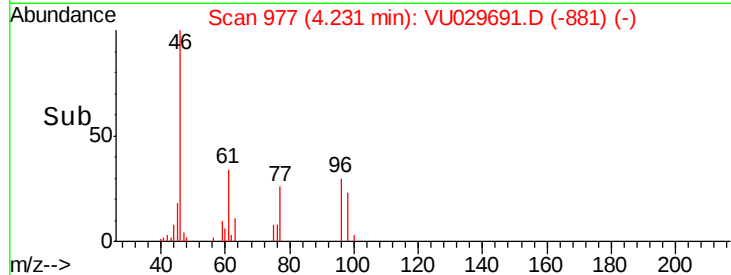
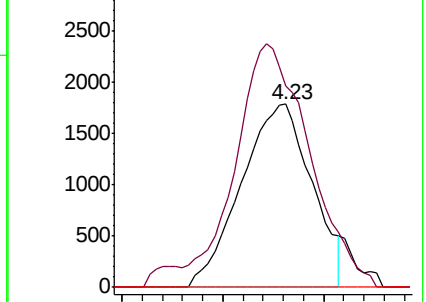
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU029691.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU029691.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU029691.D (-956) (-)



#25

Chloroform

Concen: 1.494 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VU029691.D

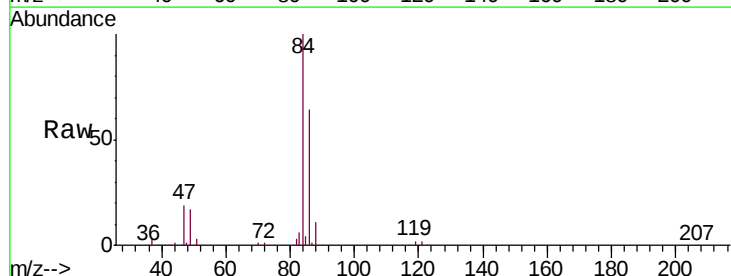
Acq: 26 Feb 2019 18:52

Tgt Ion: 83 Resp: 8160

Ion Ratio Lower Upper

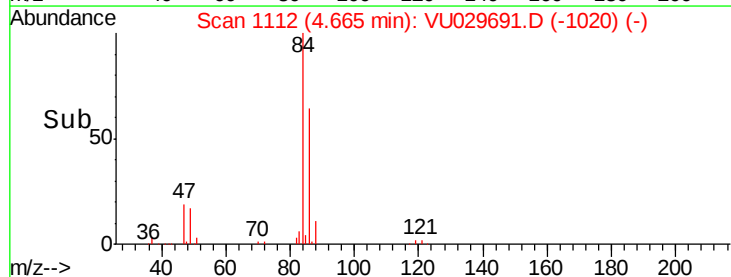
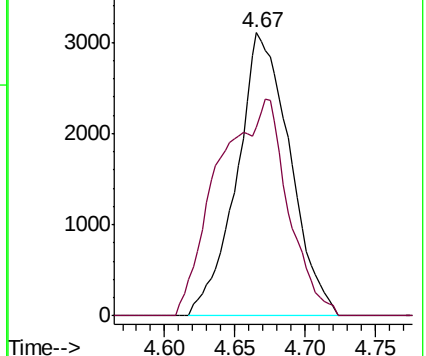
83 100

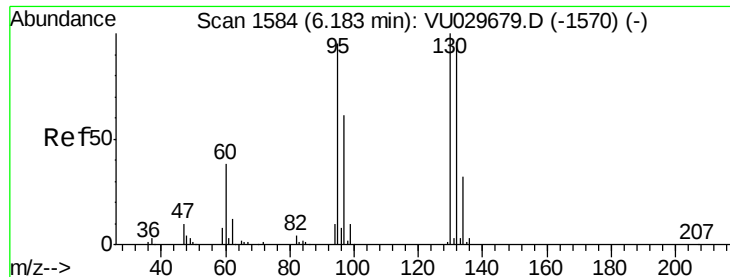
85 66.5 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VU029691.D (-1094) (-)

Ion 85.00 (84.70 to 85.70): VU029691.D (-1094) (-)





#34

Trichloroethene

Concen: 48.329 ug/L

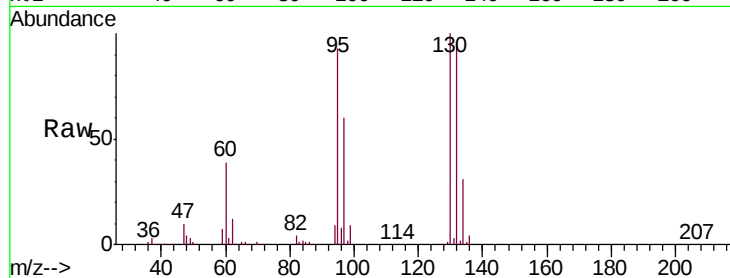
RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029691.D

Acq: 26 Feb 2019 18:52

Tgt Ion:	95	Resp:	148458
Ion	Ratio	Lower	Upper
95	100		
97	64.1	44.6	82.8
132	102.8	74.6	138.6
130	107.5	77.2	143.4

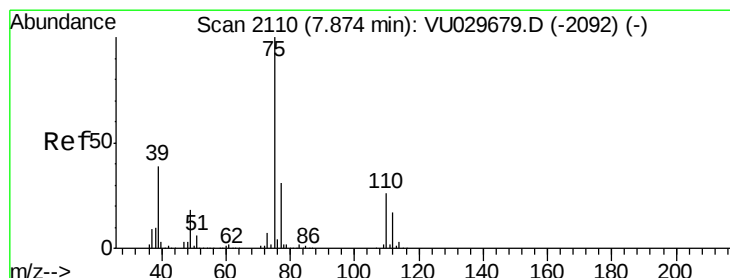
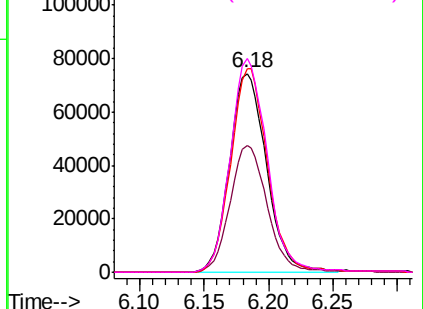
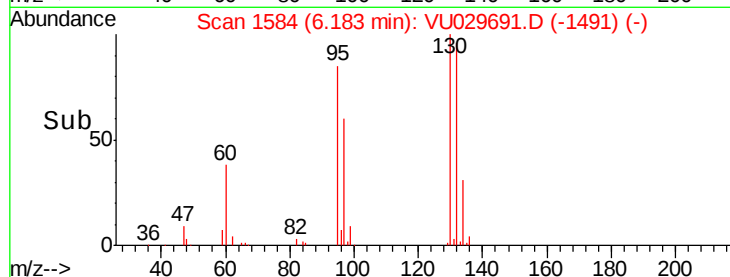


Abundance Ion 95.00 (94.70 to 95.70): VU029691.D (-1491) (-)

Ion 97.00 (96.70 to 97.70): VU029691.D (-1491) (-)

Ion 132.00 (131.70 to 132.70): VU029691.D (-1491) (-)

Ion 130.00 (129.70 to 130.70): VU029691.D (-1491) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.760 ug/L

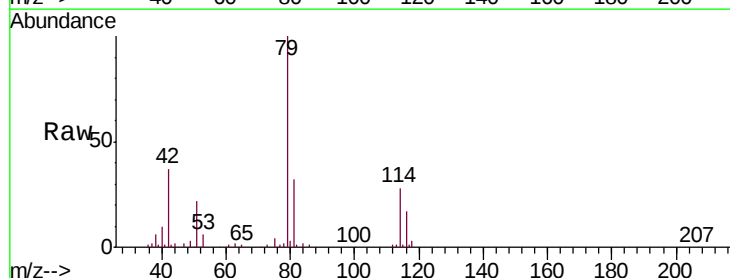
RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU029691.D

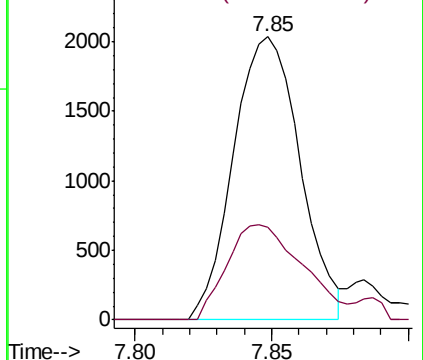
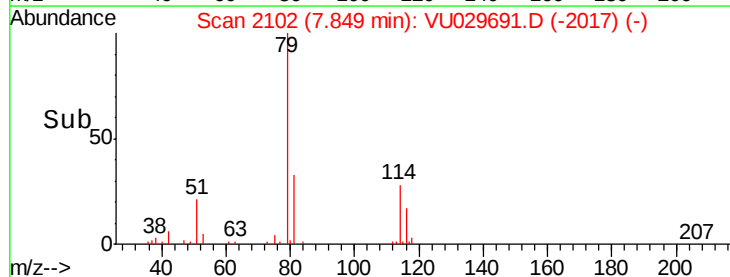
Acq: 26 Feb 2019 18:52

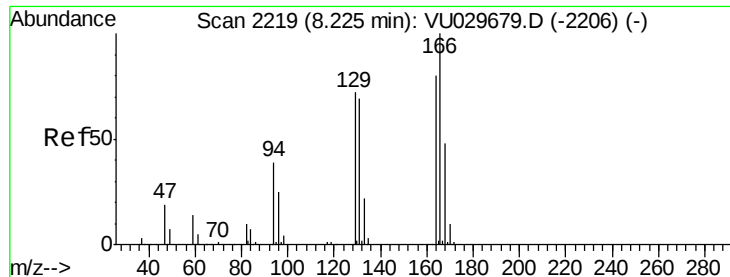
Tgt Ion:	75	Resp:	3457
Ion	Ratio	Lower	Upper
75	100		
77	32.8	22.1	41.1



Abundance Ion 75.00 (74.70 to 75.70): VU029691.D (-2017) (-)

Ion 77.00 (76.70 to 77.70): VU029691.D (-2017) (-)





#46

Tetrachloroethene

Concen: 33.398 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU029691.D

Acq: 26 Feb 2019 18:52

Tgt Ion: 164 Resp: 100415

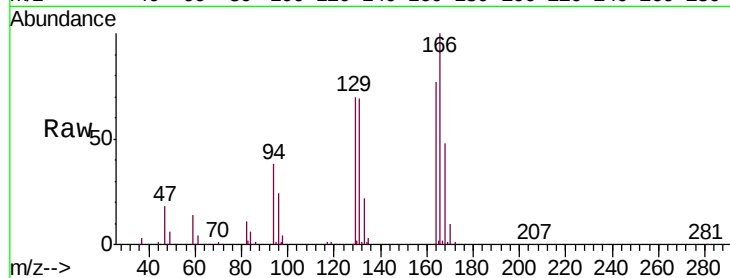
Ion Ratio Lower Upper

164 100

129 90.5 62.1 115.3

131 90.1 60.1 111.5

166 130.0 89.7 166.5

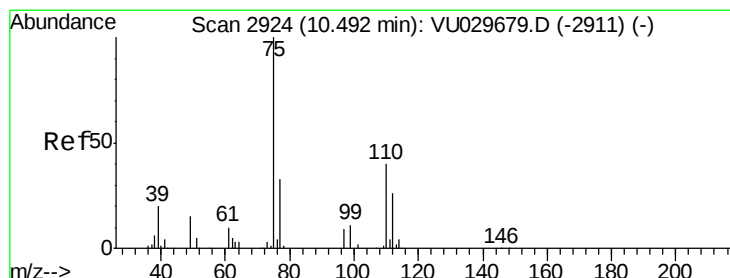
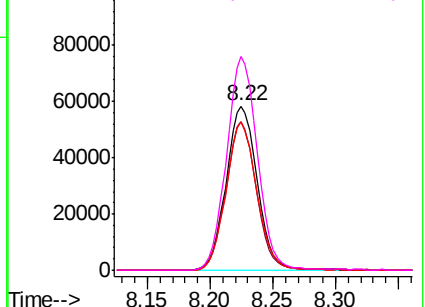
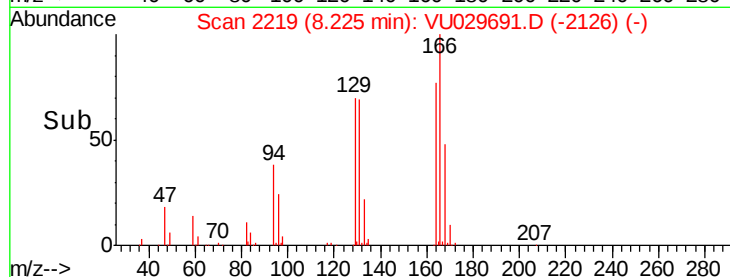


Abundance Ion 164.00 (163.70 to 164.70): V

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



#59

1,2,3-Trichloropropane

Concen: 4.860 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029691.D

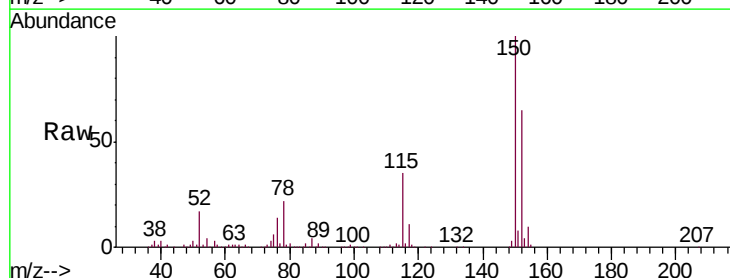
Acq: 26 Feb 2019 18:52

Tgt Ion: 75 Resp: 20743

Ion Ratio Lower Upper

75 100

77 40.1 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

