

Data File : VU029495.D
Acq On : 15 Feb 2019 14:18
Operator : JC/SP
Sample : VIBLK40
Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VIBLK40

Quant Time: Feb 15 23:37:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 15 23:28:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	395981	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	380617	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	190048	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	138919	47.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.76%
7) Chloroethane-d5	1.68	69	130823	50.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.44%
11) 1,1-Dichloroethene-d2	2.27	63	224985	39.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.34%
21) 2-Butanone-d5	4.17	46	192208	108.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.85%
24) Chloroform-d	4.64	84	220130	46.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.54%
26) 1,2-Dichloroethane-d4	5.31	65	158787	53.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.58%
32) Benzene-d6	5.34	84	515081	53.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.56%
36) 1,2-Dichloropropane-d6	6.33	67	158368	54.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.92%
41) Toluene-d8	7.56	98	504289	51.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.20%
43) trans-1,3-Dichloropropene-	7.85	79	80513	52.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.36%
47) 2-Hexanone-d5	8.31	63	177555	110.65	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.65%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	246937	50.72	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.44%
64) 1,2-Dichlorobenzene-d4	11.86	152	217607	53.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.26%

Target Compounds

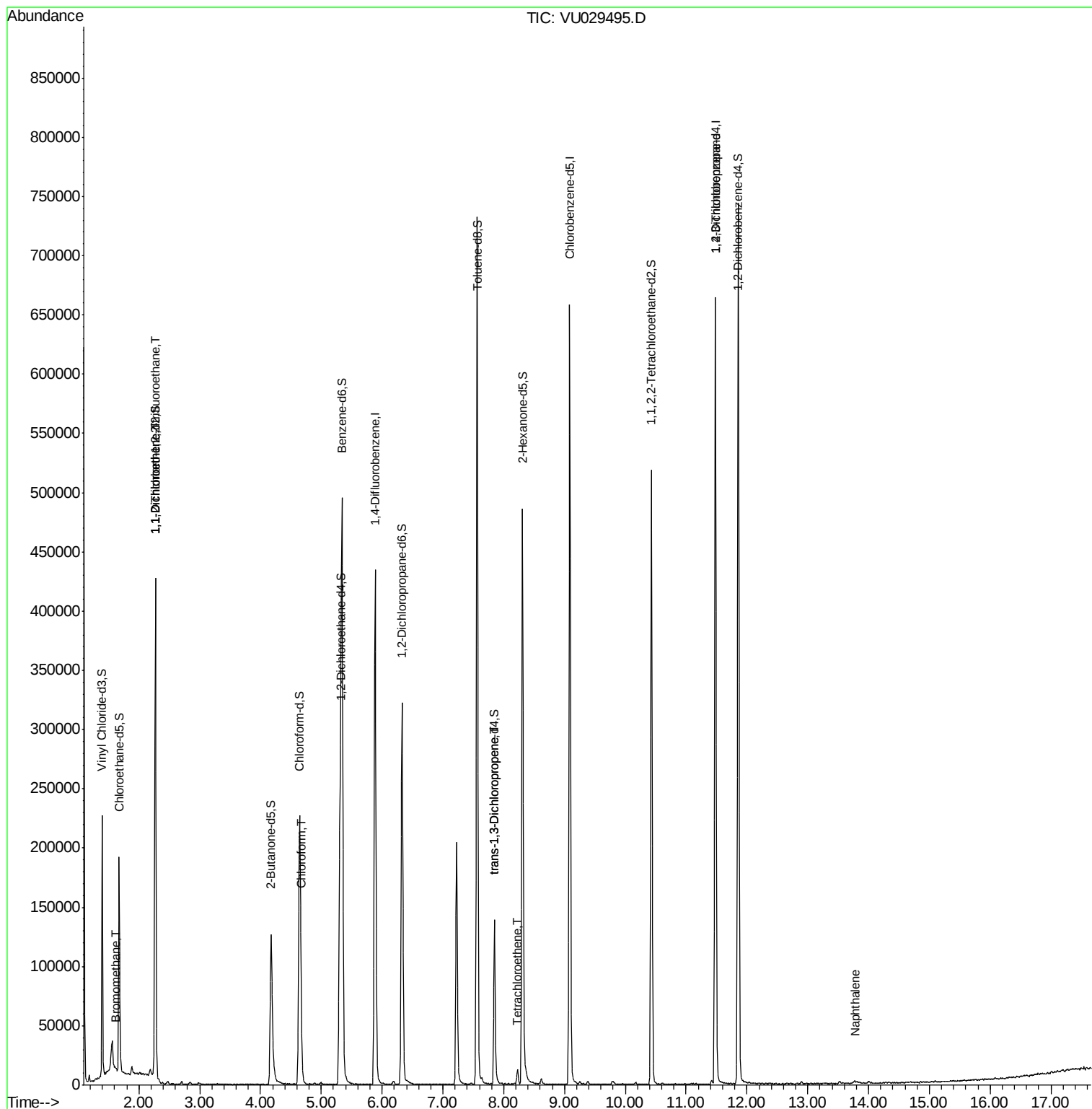
					Qvalue
6) Bromomethane	1.62	94	815	0.552 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2368	0.859 ug/L #	32
12) 1,1-Dichloroethene	2.27	96	2613	0.996 ug/L #	1
25) Chloroform	4.67	83	20399	4.369 ug/L	88
44) trans-1,3-Dichloropropene	7.85	75	3529	0.906 ug/L	84
46) Tetrachloroethene	8.23	164	3168	1.231 ug/L	93
59) 1,2,3-Trichloropropane	11.48	75	19543	5.351 ug/L	92
69) Naphthalene	13.77	128	3568	0.290 ug/L #	83

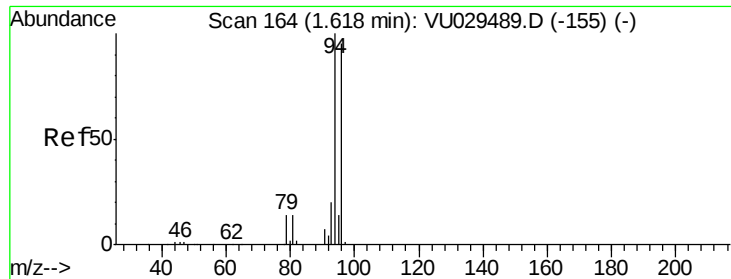
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Bromomethane

Concen: 0.552 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU029495.D

Acq: 15 Feb 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

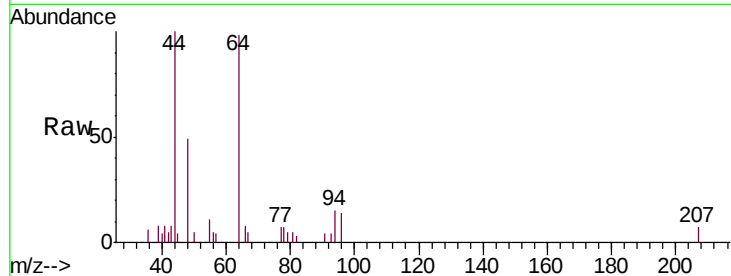
VIBLK40

Tgt Ion: 94 Resp: 815

Ion Ratio Lower Upper

94 100

96 92.0 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VU029489.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU029489.D (-155) (-)

1.62

600

500

400

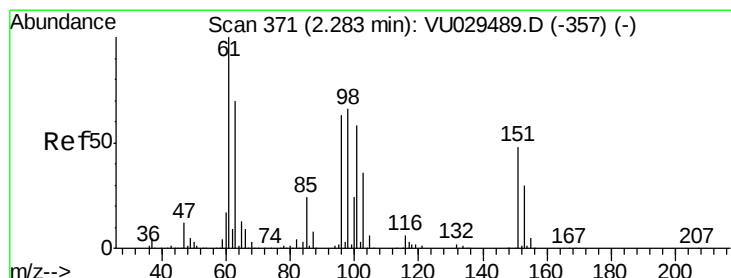
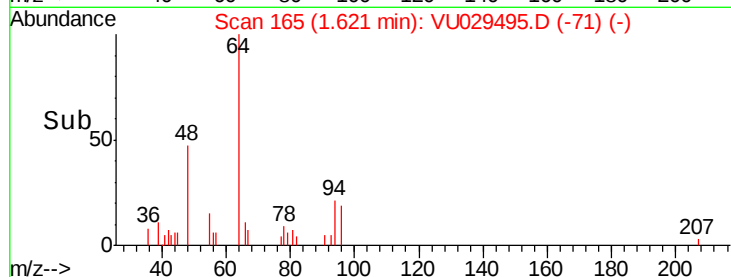
300

200

100

0

Time-->



#10

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

Concen: 0.859 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU029495.D

Acq: 15 Feb 2019 14:18

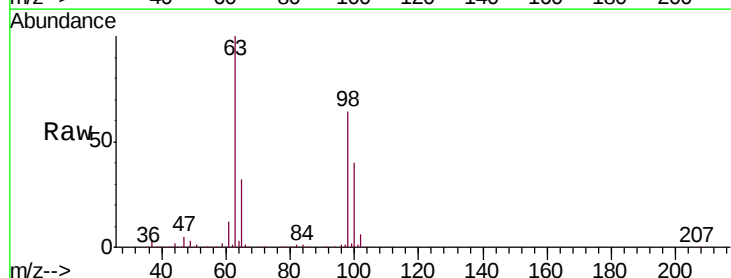
Tgt Ion: 101 Resp: 2368

Ion Ratio Lower Upper

101 100

85 3.6 33.0 49.6#

151 17.7 65.7 98.5#



Abundance Ion 101.00 (100.70 to 101.70): VU029489.D (-357) (-)

Ion 85.00 (84.70 to 85.70): VU029489.D (-357) (-)

Ion 151.00 (150.70 to 151.70): VU029489.D (-357) (-)

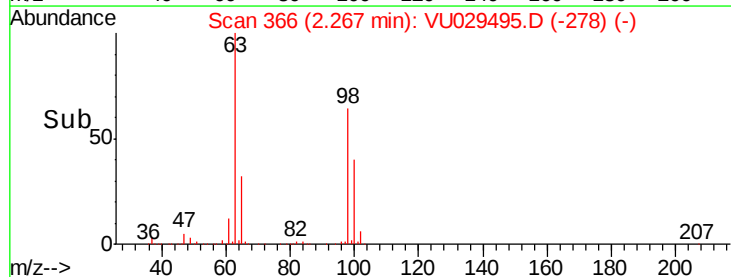
1500

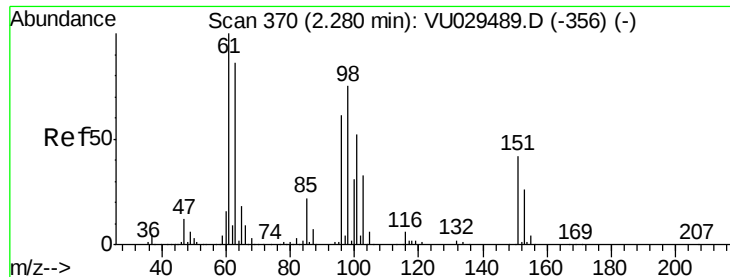
1000

500

0

Time-->





#12

1,1-Dichloroethene

Concen: 0.996 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU029495.D

Acq: 15 Feb 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

VIBLK40

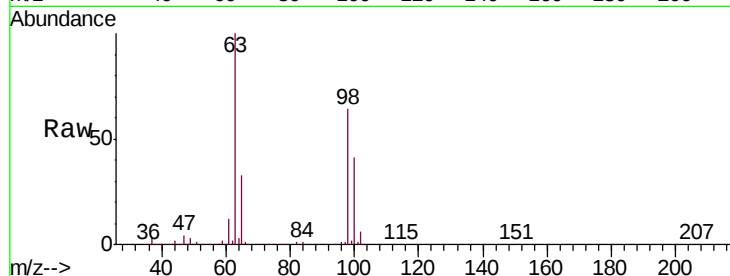
Tgt Ion: 96 Resp: 2613

Ion Ratio Lower Upper

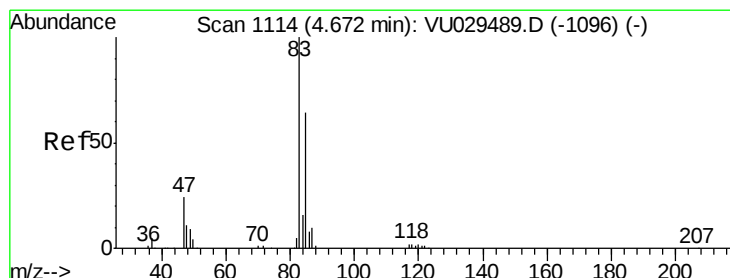
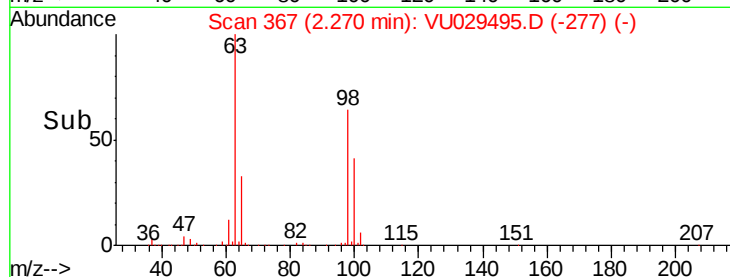
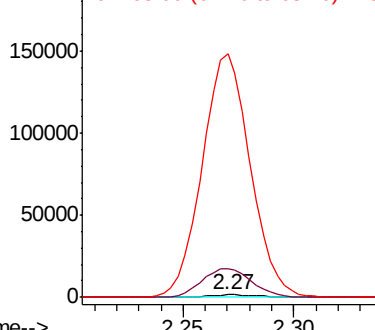
96 100

61 1094.0 114.0 211.8#

63 9332.2 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



#25

Chloroform

Concen: 4.369 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VU029495.D

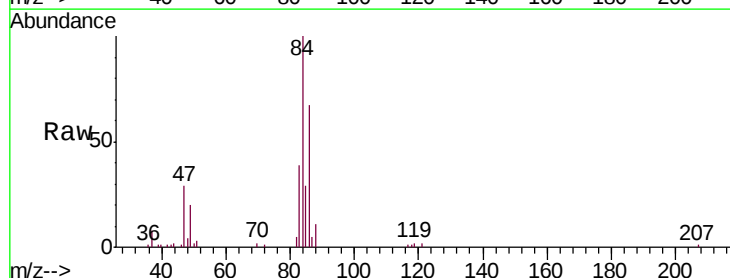
Acq: 15 Feb 2019 14:18

Tgt Ion: 83 Resp: 20399

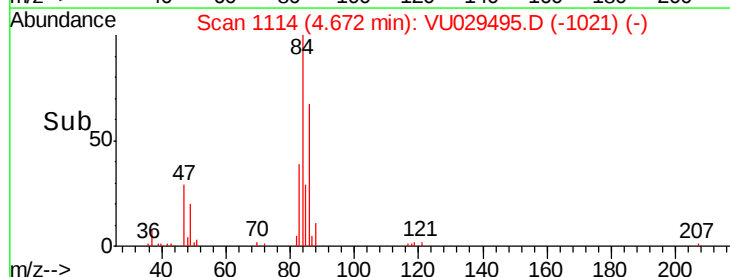
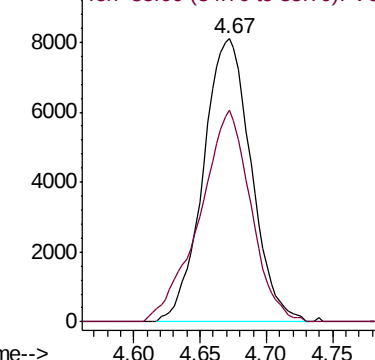
Ion Ratio Lower Upper

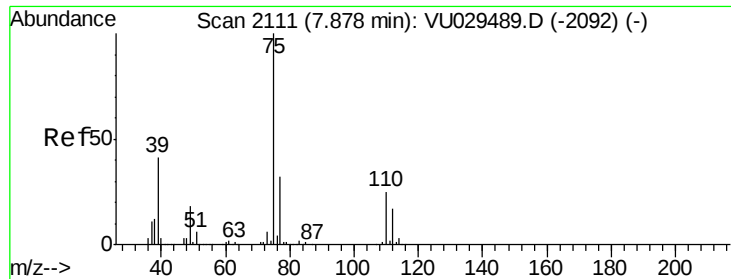
83 100

85 74.6 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.906 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU029495.D

Acq: 15 Feb 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

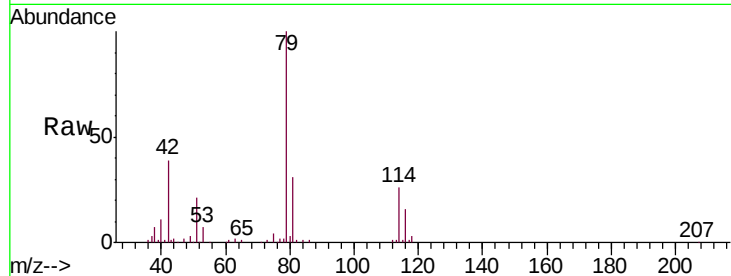
VIBLK40

Tgt Ion: 75 Resp: 3529

Ion Ratio Lower Upper

75 100

77 40.5 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU029489.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU029489.D (-2092) (-)

7.85

2000

1500

1000

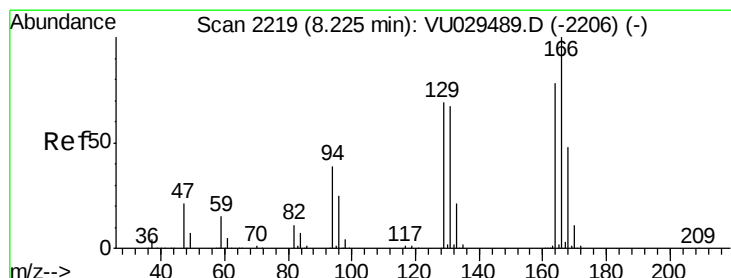
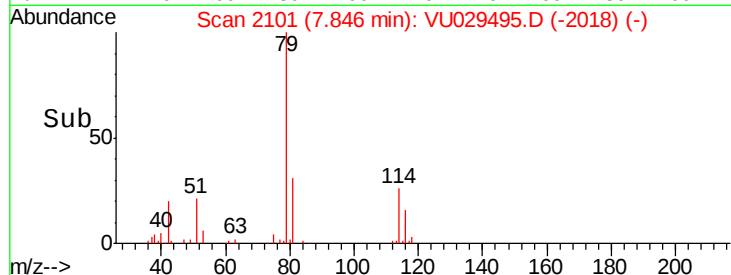
500

0

7.80

7.85

Time-->



#46

Tetrachloroethene

Concen: 1.231 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. 0.00 min

Lab File: VU029495.D

Acq: 15 Feb 2019 14:18

Tgt Ion: 164 Resp: 3168

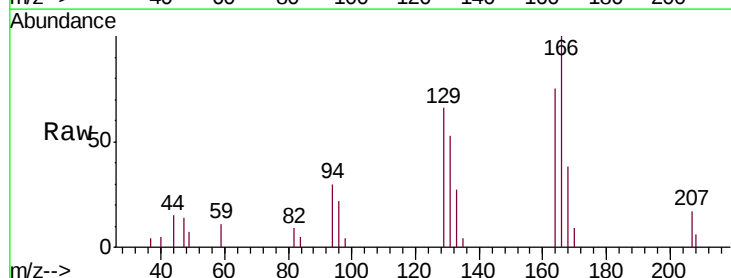
Ion Ratio Lower Upper

164 100

129 88.6 62.1 115.3

131 70.1 60.1 111.5

166 133.3 89.7 166.5



Abundance Ion 164.00 (163.70 to 164.70): VU029489.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU029489.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU029489.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU029489.D (-2206) (-)

4000

3000

2000

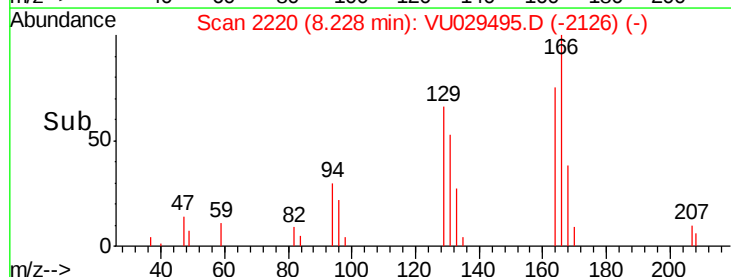
1000

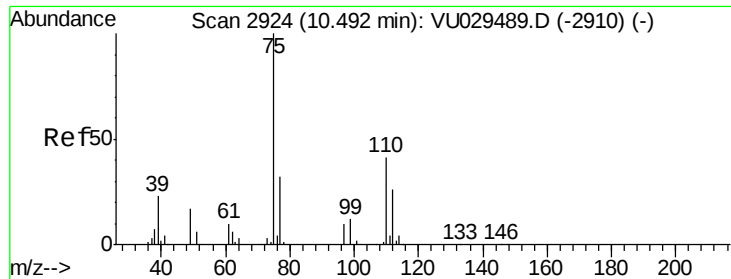
0

8.20

8.23

Time-->

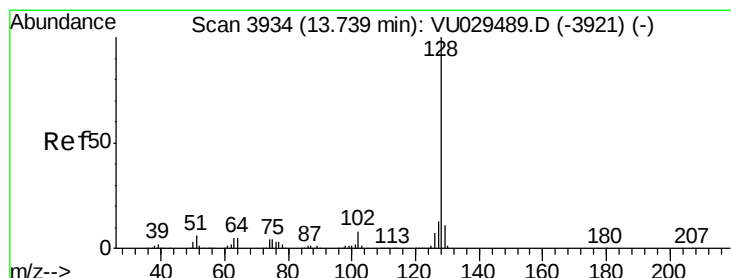
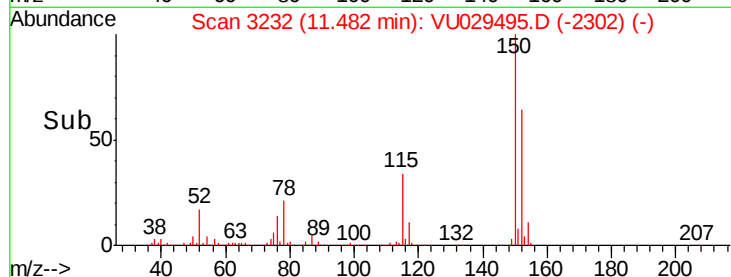
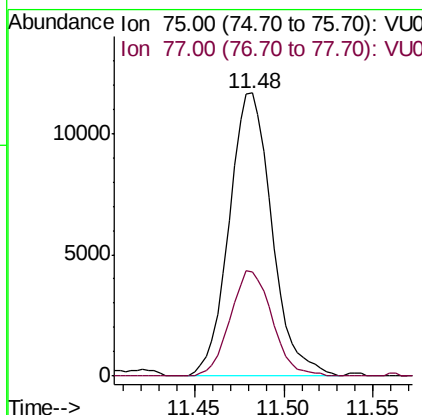
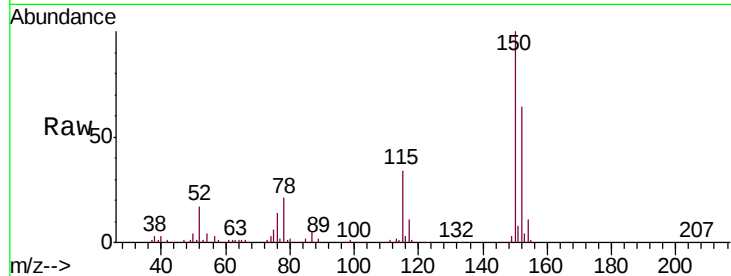




#59
 1,2,3-Trichloropropane
 Concen: 5.351 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. 0.99 min
 Lab File: VU029495.D
 Acq: 15 Feb 2019 14:18

Instrument :
 MSVOA_U
 ClientSampled :
 VIBLK40

Tgt Ion: 75 Resp: 19543
 Ion Ratio Lower Upper
 75 100
 77 36.4 25.7 38.5



#69
 Naphthalene
 Concen: 0.290 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.03 min
 Lab File: VU029495.D
 Acq: 15 Feb 2019 14:18

Tgt Ion: 128 Resp: 3568
 Ion Ratio Lower Upper
 128 100
 127 5.7 10.2 15.4#
 129 5.0 8.5 12.7#

