

Data File : VU030145.D
Acq On : 16 Mar 2019 15:13
Operator : JC/SP
Sample : K1949-19 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF1H1

Quant Time: Mar 18 04:28:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 18 04:23:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	471774	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	463819	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	219025	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	149350	47.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.72%
7) Chloroethane-d5	1.68	69	128299	50.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.86%
11) 1,1-Dichloroethene-d2	2.27	63	206489	36.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.32%
21) 2-Butanone-d5	4.17	46	282503	120.83	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	120.83%
24) Chloroform-d	4.65	84	289908	51.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.58%
26) 1,2-Dichloroethane-d4	5.31	65	176546	54.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.18%
32) Benzene-d6	5.34	84	613753	51.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.82%
36) 1,2-Dichloropropane-d6	6.33	67	196449	53.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.52%
41) Toluene-d8	7.56	98	543975	48.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.32%
43) trans-1,3-Dichloropropene-	7.85	79	89147	50.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.72%
47) 2-Hexanone-d5	8.31	63	239340	117.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	309564	55.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.26%
64) 1,2-Dichlorobenzene-d4	11.86	152	229270	54.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.08%

Target Compounds

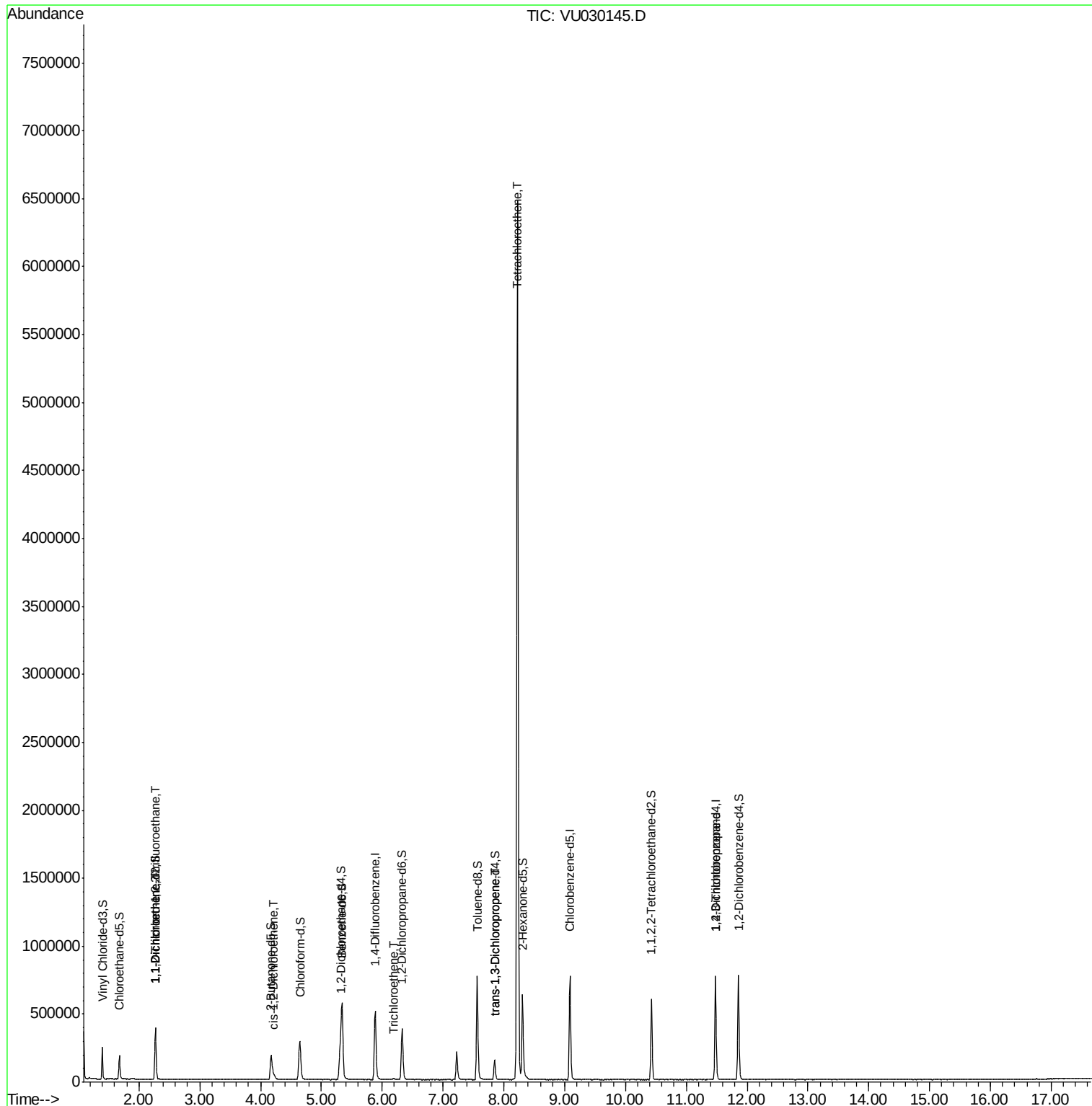
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2817	0.909	ug/L #	39
12) 1,1-Dichloroethene	2.27	96	2958	1.000	ug/L #	1
20) cis-1,2-Dichloroethene	4.22	96	11265	3.073	ug/L	96
34) Trichloroethene	6.19	95	4137	1.189	ug/L	91
44) trans-1,3-Dichloropropene	7.85	75	3401	0.686	ug/L #	76
46) Tetrachloroethene	8.22	164	156222	513.185	ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	23176	5.097	ug/L	95

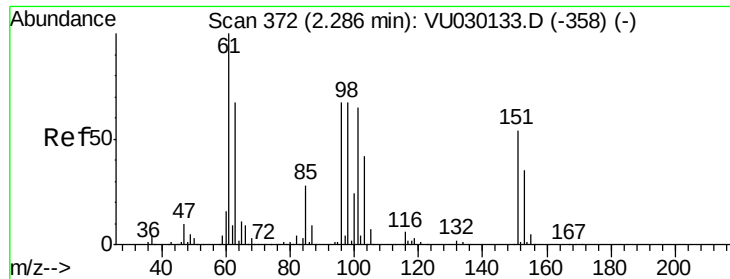
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.909 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030145.D

Acq: 16 Mar 2019 15:13

Instrument :

MSVOA_U

ClientSampled :

BF1H1

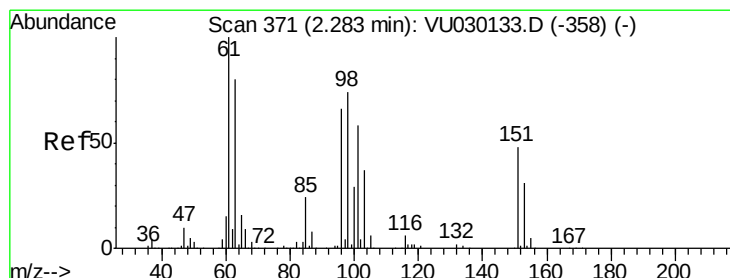
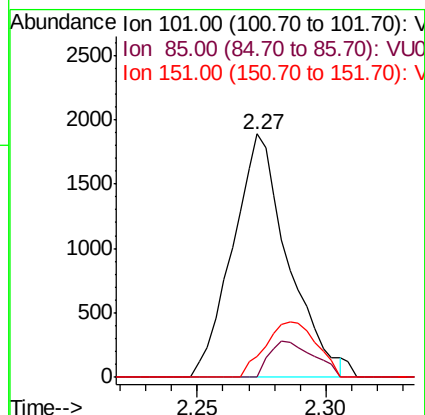
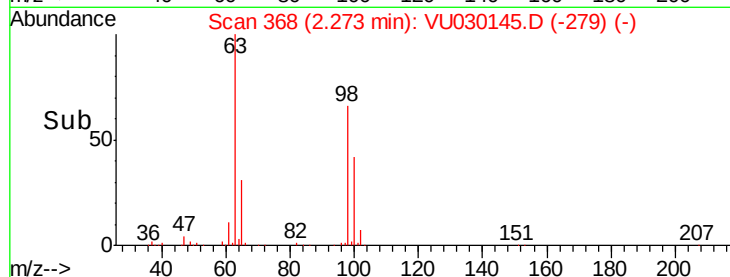
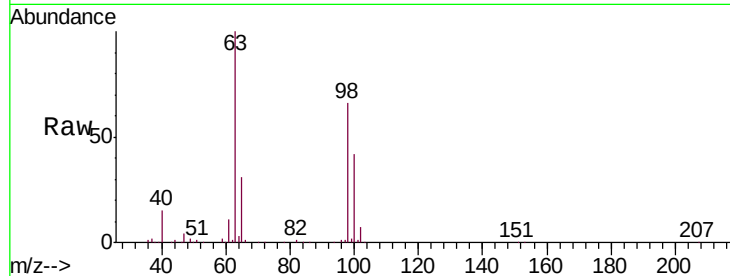
Tgt Ion: 101 Resp: 2817

Ion Ratio Lower Upper

101 100

85 12.0 33.0 49.4#

151 21.2 66.1 99.1#



#12

1,1-Dichloroethene

Concen: 1.000 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030145.D

Acq: 16 Mar 2019 15:13

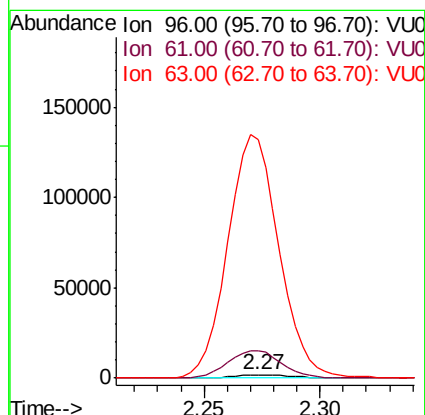
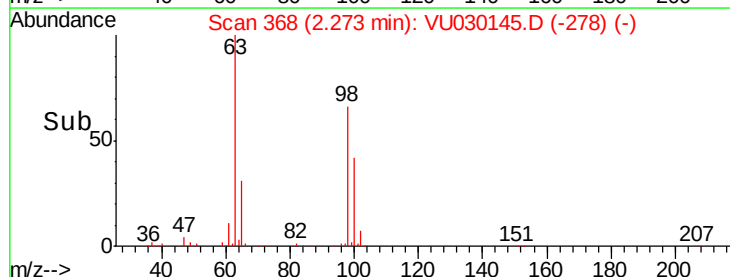
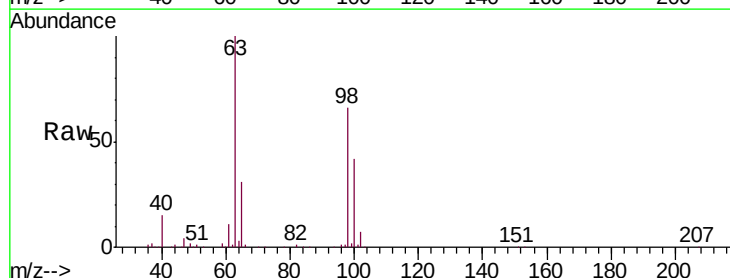
Tgt Ion: 96 Resp: 2958

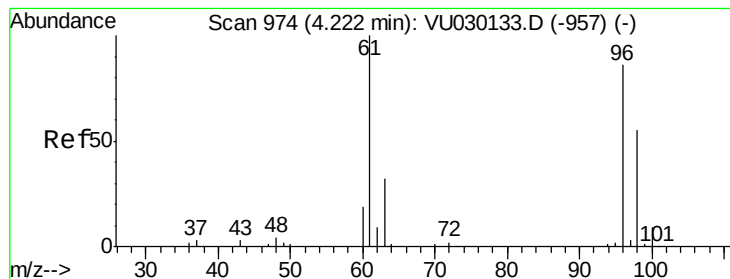
Ion Ratio Lower Upper

96 100

61 875.2 110.4 205.0#

63 7648.1 86.5 160.7#





#20

cis-1,2-Dichloroethene

Concen: 3.073 ug/L

RT: 4.22 min Scan# 975

Delta R.T. 0.00 min

Lab File: VU030145.D

Acq: 16 Mar 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

BF1H1

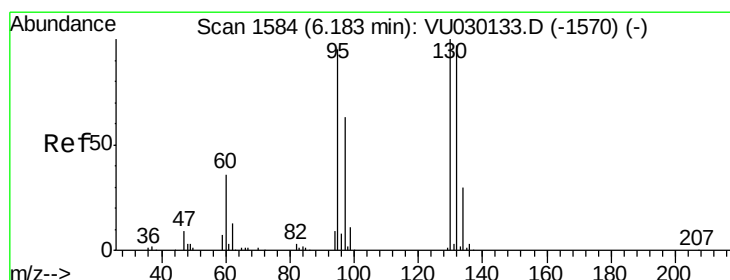
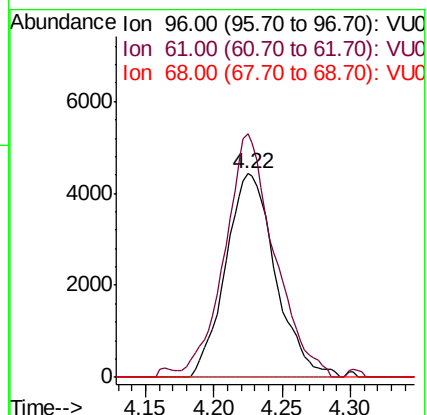
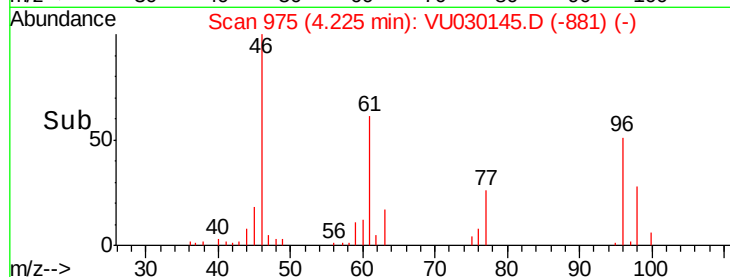
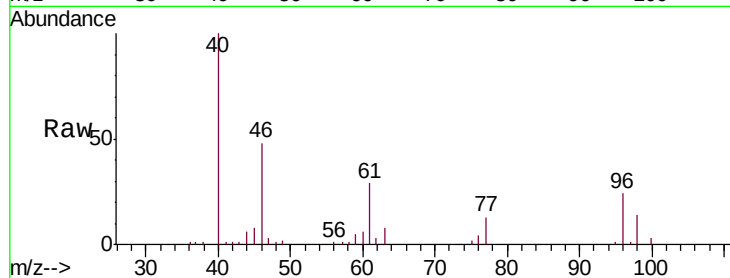
Tgt Ion: 96 Resp: 11265

Ion Ratio Lower Upper

96 100

61 119.5 80.8 150.2

68 0.0 0.0 0.0



#34

Trichloroethene

Concen: 1.189 ug/L

RT: 6.19 min Scan# 1587

Delta R.T. 0.01 min

Lab File: VU030145.D

Acq: 16 Mar 2019 15:13

Tgt Ion: 95 Resp: 4137

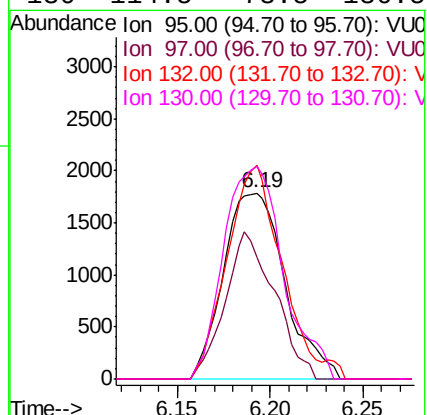
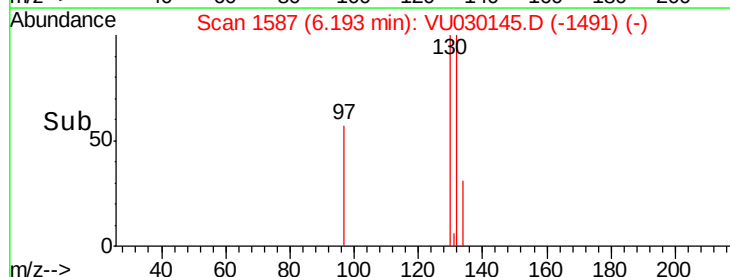
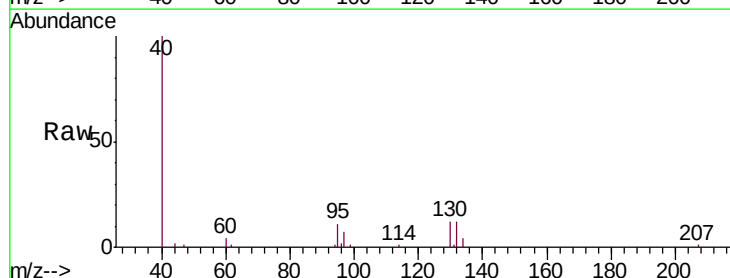
Ion Ratio Lower Upper

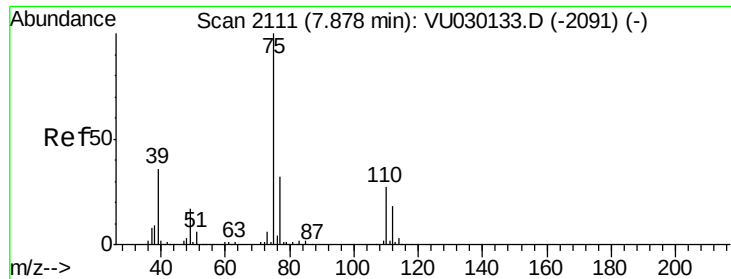
95 100

97 65.7 45.5 84.5

132 114.9 71.5 132.7

130 114.5 73.5 136.5





#44

trans-1,3-Dichloropropene

Concen: 0.686 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030145.D

Acq: 16 Mar 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

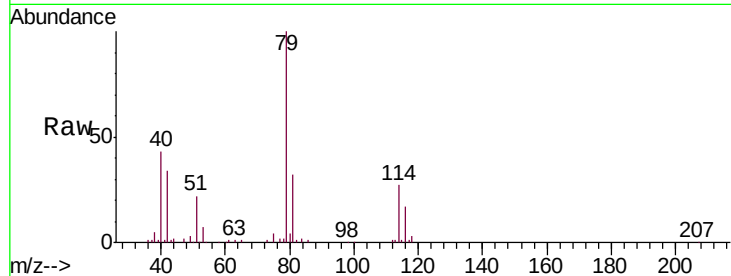
BF1H1

Tgt Ion: 75 Resp: 3401

Ion Ratio Lower Upper

75 100

77 44.8 21.9 40.7#



Abundance Ion 75.00 (74.70 to 75.70): VU030133.D (-2091) (-)

Ion 77.00 (76.70 to 77.70): VU030133.D (-2091) (-)

7.85

2000

1500

1000

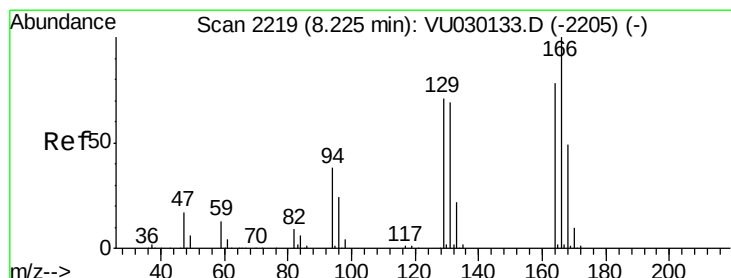
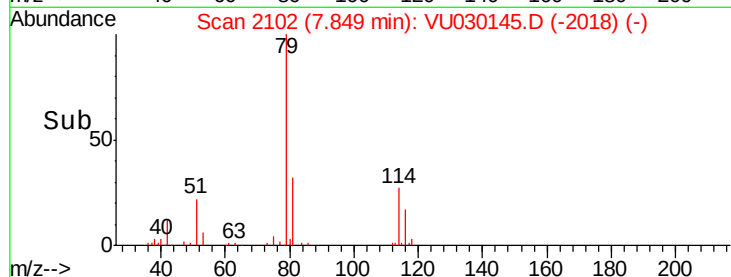
500

0

7.80

7.85

Time-->



#46

Tetrachloroethene

Concen: 513.185 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU030145.D

Acq: 16 Mar 2019 15:13

Tgt Ion: 164 Resp: 1562222

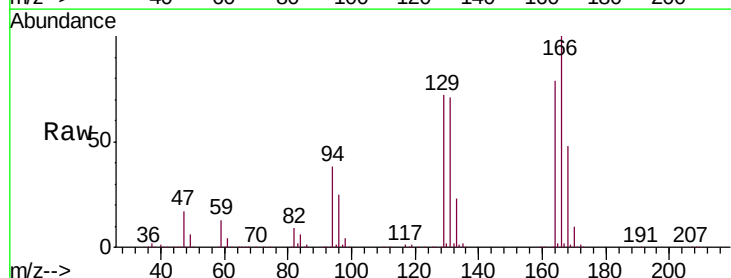
Ion Ratio Lower Upper

164 100

129 90.8 63.3 117.7

131 89.1 62.0 115.2

166 126.1 90.5 168.1



Abundance Ion 164.00 (163.70 to 164.70): VU030133.D (-2205) (-)

Ion 129.00 (128.70 to 129.70): VU030133.D (-2205) (-)

Ion 131.00 (130.70 to 131.70): VU030133.D (-2205) (-)

Ion 166.00 (165.70 to 166.70): VU030133.D (-2205) (-)

8.22

1500000

1000000

500000

0

8.15

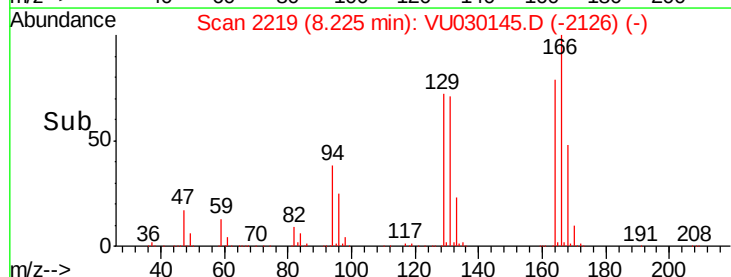
8.20

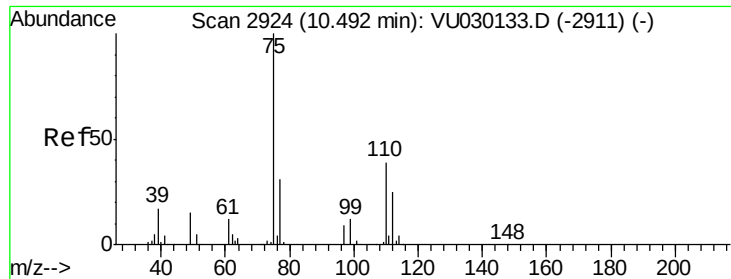
8.25

8.30

8.35

Time-->





#59

1,2,3-Trichloropropane

Concen: 5.097 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030145.D

Acq: 16 Mar 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

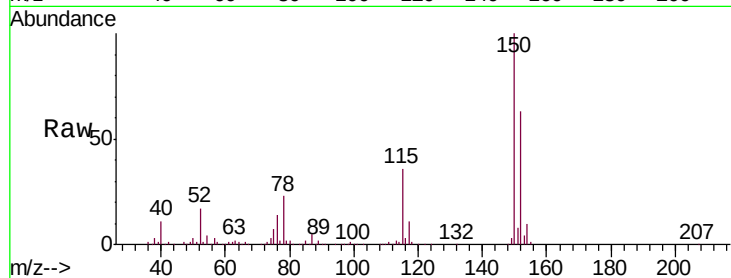
BF1H1

Tgt Ion: 75 Resp: 23176

Ion Ratio Lower Upper

75 100

77 34.9 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

