

Data File : VU029985.D
Acq On : 11 Mar 2019 23:01
Operator : JC/SP
Sample : K1763-02DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0957DL

Quant Time: Mar 12 07:10:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 12 07:07:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	542201	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	514976	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	250079	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	186988	52.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.28%
7) Chloroethane-d5	1.68	69	147970	51.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.22%
11) 1,1-Dichloroethene-d2	2.27	63	251326	38.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.64%
21) 2-Butanone-d5	4.17	46	258590	96.24	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.24%
24) Chloroform-d	4.65	84	313503	48.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.46%
26) 1,2-Dichloroethane-d4	5.31	65	186398	50.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.30%
32) Benzene-d6	5.34	84	693981	52.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.70%
36) 1,2-Dichloropropane-d6	6.33	67	211921	52.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.48%
41) Toluene-d8	7.56	98	640880	51.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.26%
43) trans-1,3-Dichloropropene-	7.85	79	94590	48.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.26%
47) 2-Hexanone-d5	8.31	63	223490	98.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.45%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	302148	48.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.92%
64) 1,2-Dichlorobenzene-d4	11.86	152	255093	52.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.32%

Target Compounds

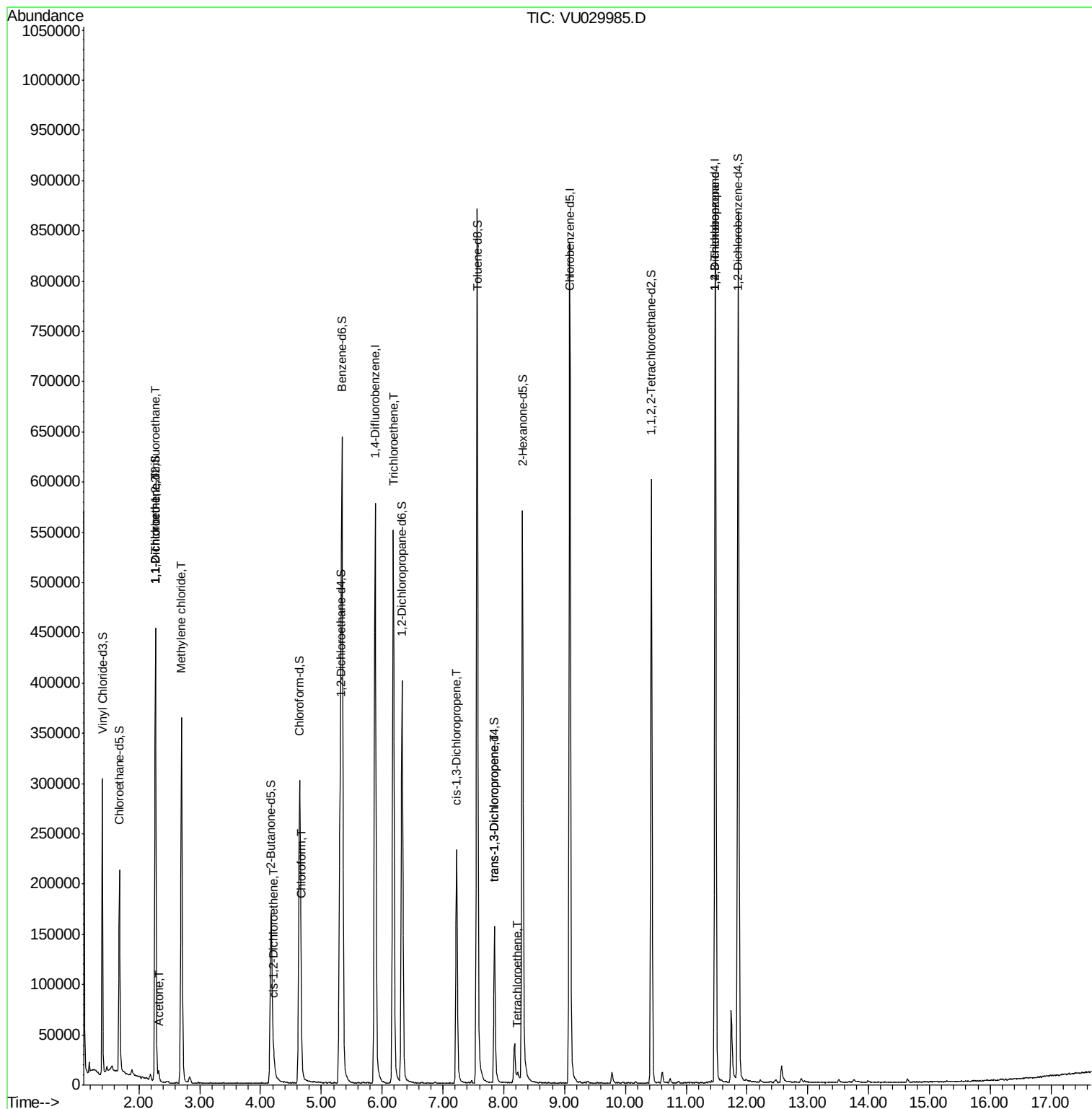
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2575	0.723 ug/L #	23
12) 1,1-Dichloroethene	2.28	96	3783	1.113 ug/L #	1
13) Acetone	2.32	43	7833	2.493 ug/L	94
16) Methylene chloride	2.70	84	174873	43.578 ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	2415	0.573 ug/L	92
25) Chloroform	4.68	83	9118	1.367 ug/L	88
34) Trichloroethene	6.18	95	198307	51.346 ug/L	99
39) cis-1,3-Dichloropropene	7.22	75	5387	0.893 ug/L #	63
44) trans-1,3-Dichloropropene	7.85	75	3677	0.668 ug/L #	73
46) Tetrachloroethene	8.23	164	1687	0.499 ug/L	95
59) 1,2,3-Trichloropropane	11.48	75	25844	5.120 ug/L	96

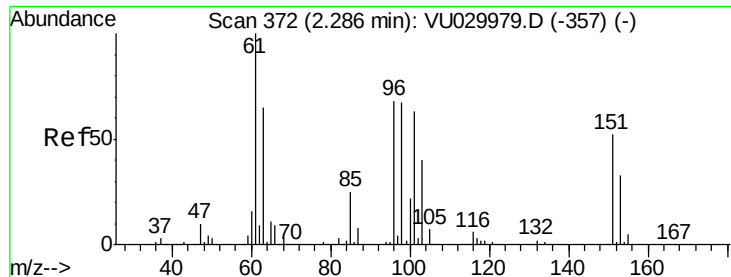
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Mar 12 07:07:04 2019
Response via : Initial Calibration





#10

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

Concen: 0.723 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029985.D

Acq: 11 Mar 2019 23:01

Instrument :

MSVOA_U

ClientSampleId :

C0957DL

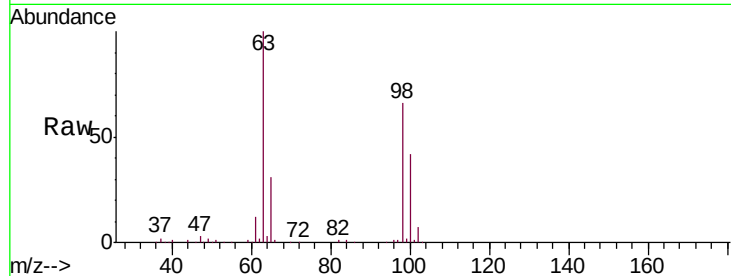
Tgt Ion: 101 Resp: 2575

Ion Ratio Lower Upper

101 100

85 1.7 33.0 49.4#

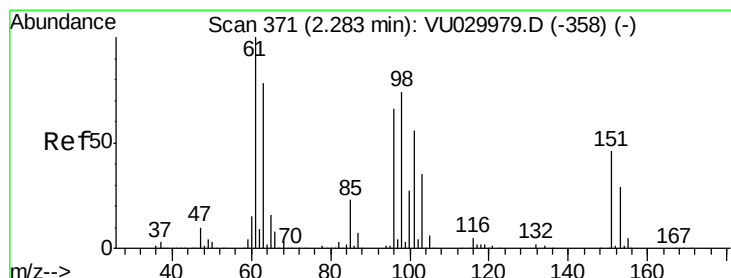
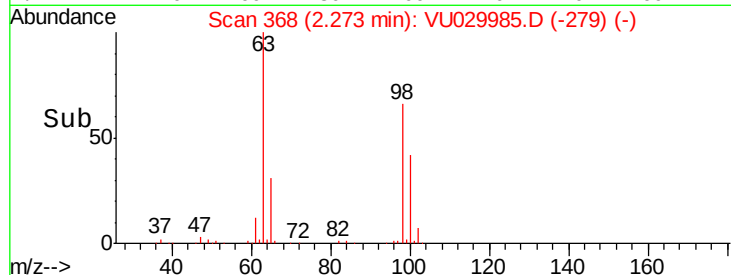
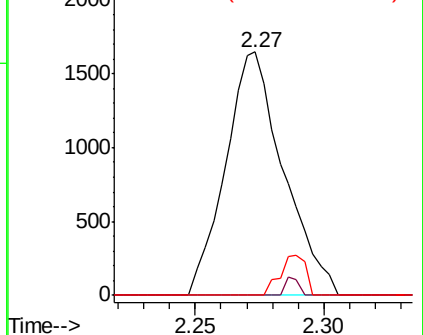
151 7.4 66.1 99.1#



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



#12

1,1-Dichloroethene

Concen: 1.113 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU029985.D

Acq: 11 Mar 2019 23:01

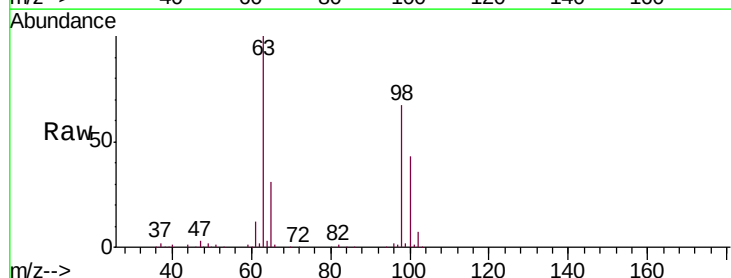
Tgt Ion: 96 Resp: 3783

Ion Ratio Lower Upper

96 100

61 804.0 110.4 205.0#

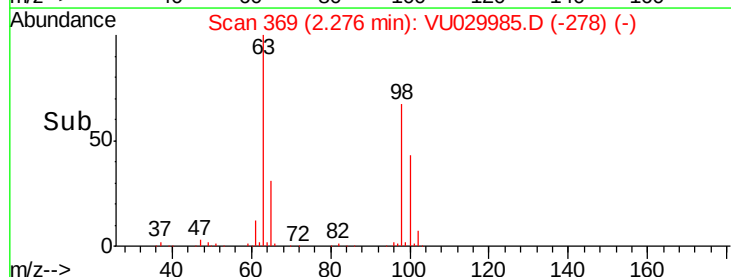
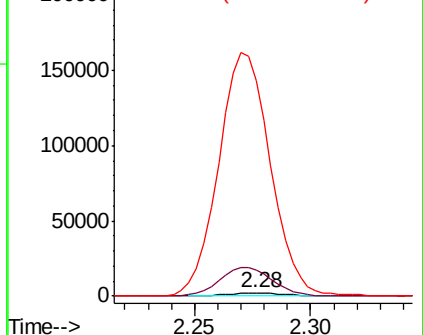
63 6582.4 86.5 160.7#

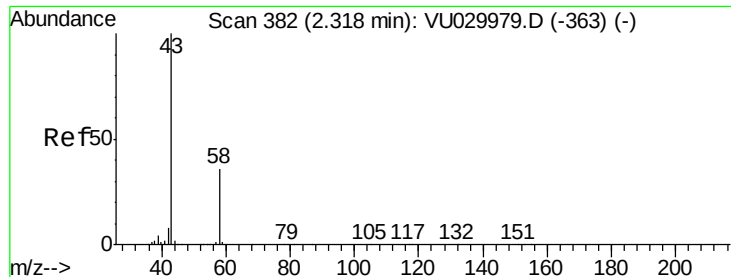


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.493 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029985.D

Acq: 11 Mar 2019 23:01

Instrument :

MSVOA_U

ClientSampled :

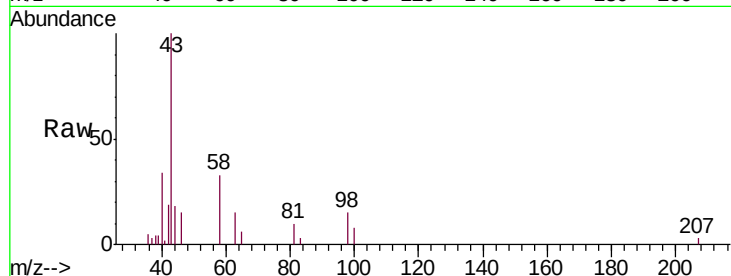
C0957DL

Tgt Ion: 43 Resp: 7833

Ion Ratio Lower Upper

43 100

58 32.7 0.0 73.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

5000

4000

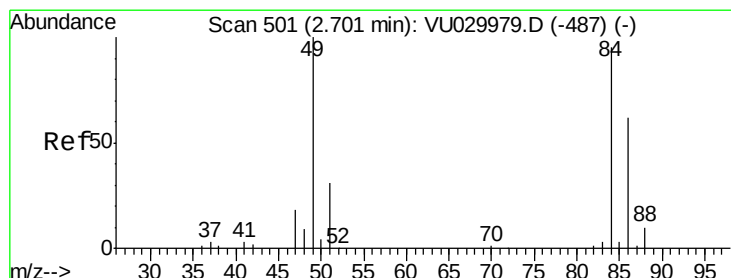
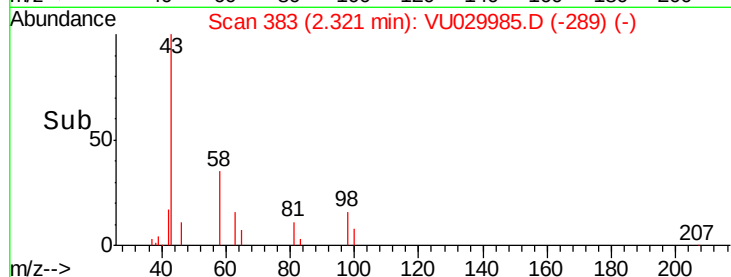
3000

2000

1000

0

Time--> 2.25 2.30 2.35



#16

Methylene chloride

Concen: 43.578 ug/L

RT: 2.70 min Scan# 501

Delta R.T. -0.00 min

Lab File: VU029985.D

Acq: 11 Mar 2019 23:01

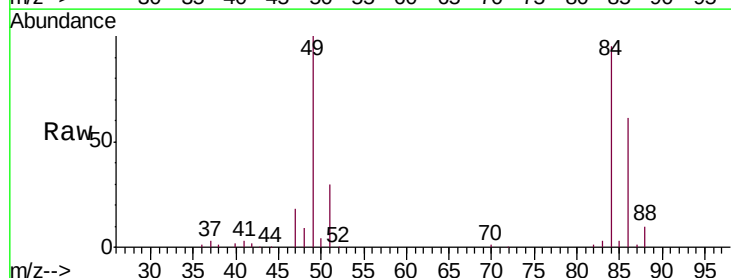
Tgt Ion: 84 Resp: 174873

Ion Ratio Lower Upper

84 100

86 64.3 45.2 84.0

49 105.2 73.6 136.6



Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

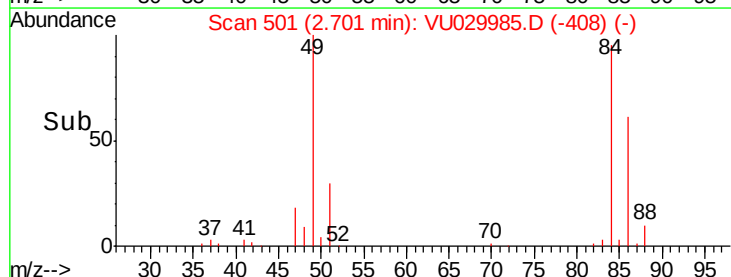
2.70

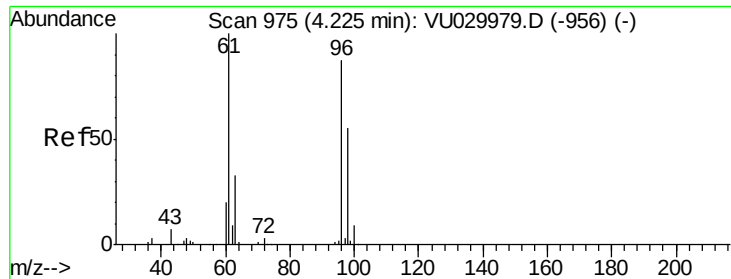
100000

50000

0

Time--> 2.65 2.70 2.75 2.80

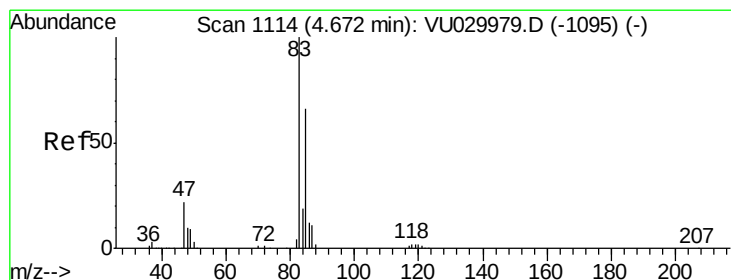
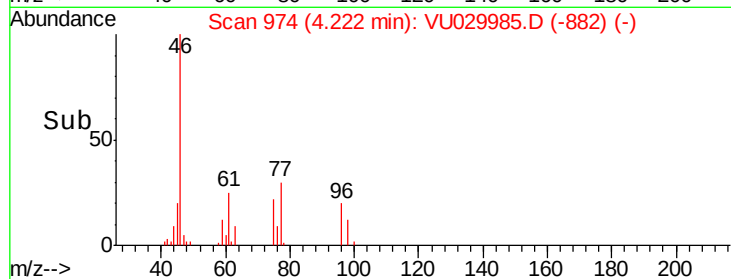
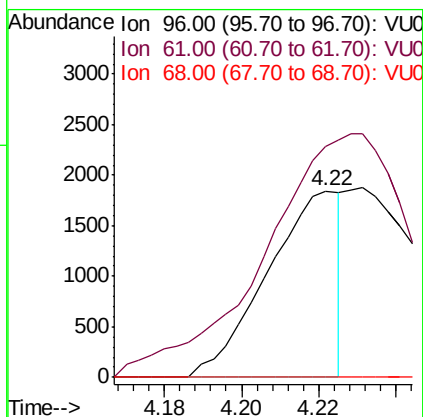
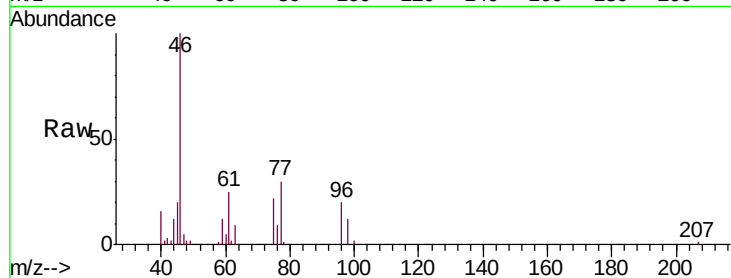




#20
 cis-1,2-Dichloroethene
 Concen: 0.573 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU029985.D
 Acq: 11 Mar 2019 23:01

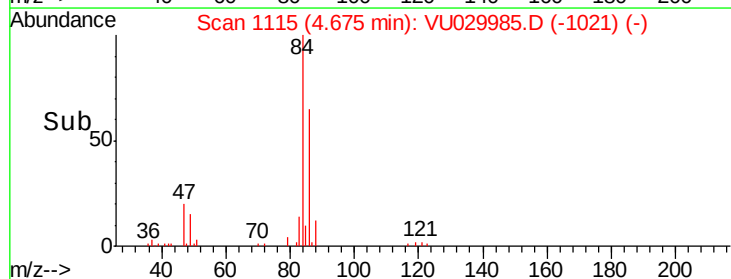
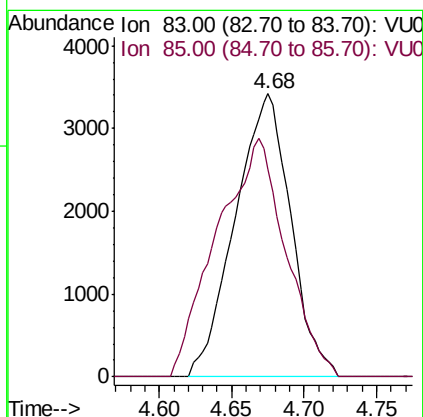
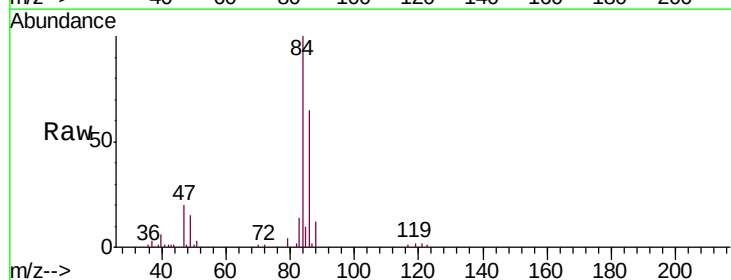
Instrument :
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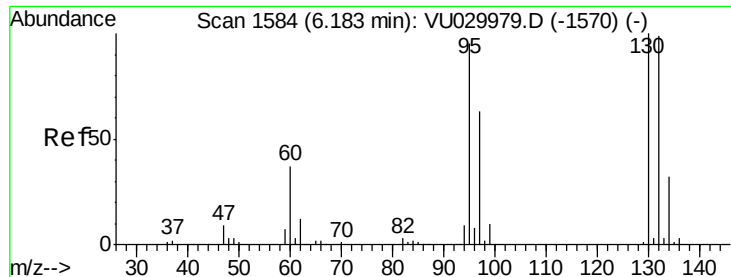
Tgt Ion: 96 Resp: 2415
 Ion Ratio Lower Upper
 96 100
 61 123.8 80.8 150.2
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 1.367 ug/L
 RT: 4.68 min Scan# 1115
 Delta R.T. 0.00 min
 Lab File: VU029985.D
 Acq: 11 Mar 2019 23:01

Tgt Ion: 83 Resp: 9118
 Ion Ratio Lower Upper
 83 100
 85 73.6 44.9 83.5





#34

Trichloroethene

Concen: 51.346 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU029985.D

Acq: 11 Mar 2019 23:01

Instrument :

MSVOA_U

ClientSampleId :

C0957DL

Tgt Ion: 95 Resp: 198307

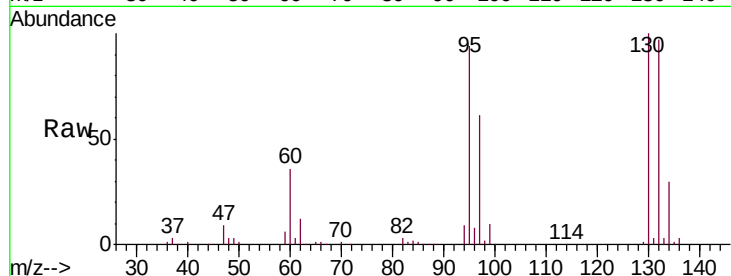
Ion Ratio Lower Upper

95 100

97 64.4 45.5 84.5

132 102.9 71.5 132.7

130 106.4 73.5 136.5

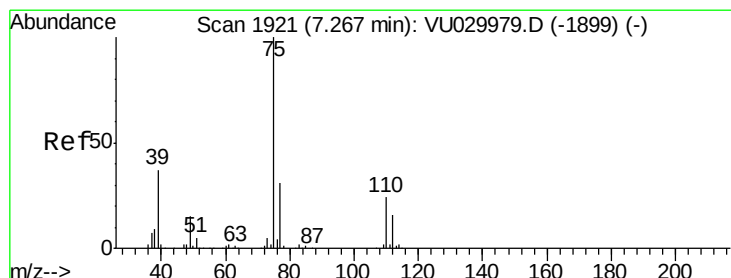
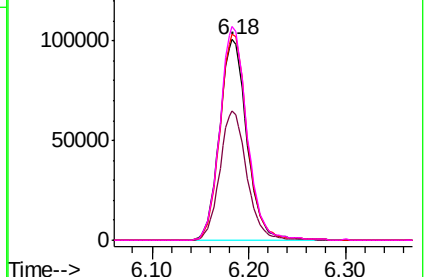
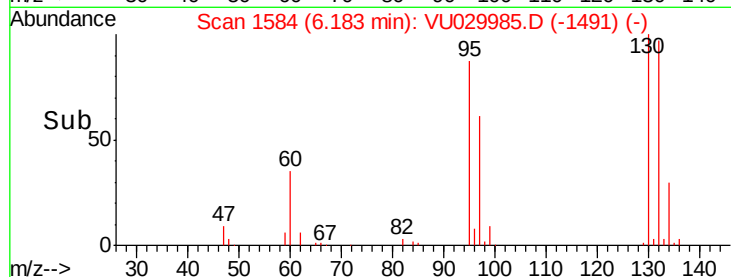


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#39

cis-1,3-Dichloropropene

Concen: 0.893 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU029985.D

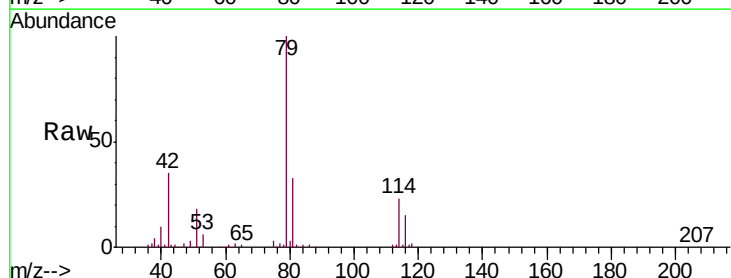
Acq: 11 Mar 2019 23:01

Tgt Ion: 75 Resp: 5387

Ion Ratio Lower Upper

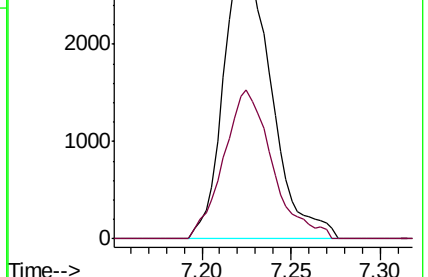
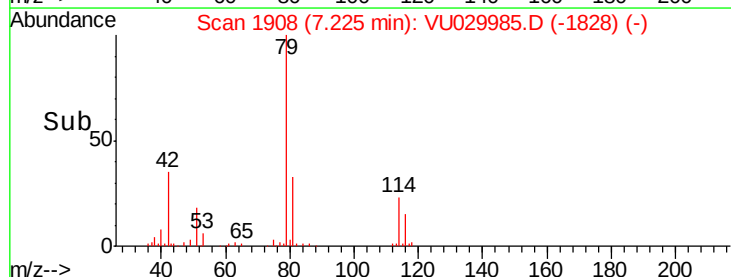
75 100

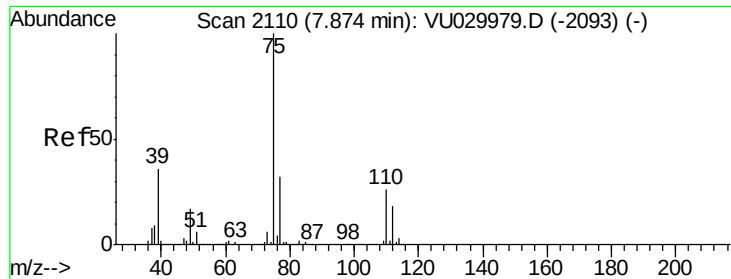
77 52.5 22.2 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.668 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU029985.D

Acq: 11 Mar 2019 23:01

Instrument :

MSVOA_U

ClientSampleId :

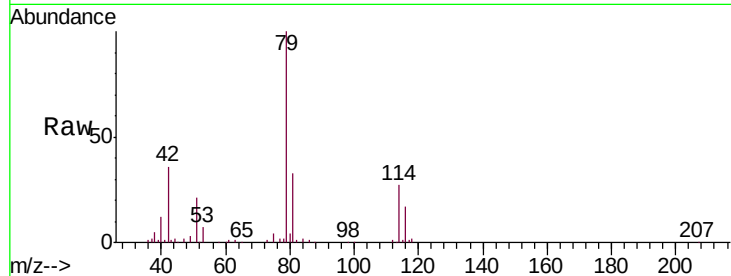
C0957DL

Tgt Ion: 75 Resp: 3677

Ion Ratio Lower Upper

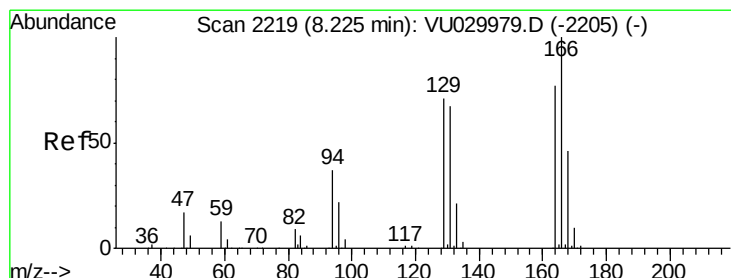
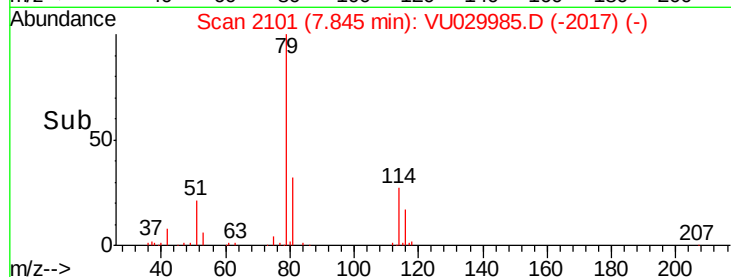
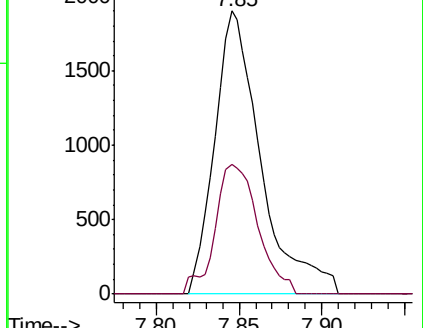
75 100

77 46.0 21.9 40.7#



Abundance Ion 75.00 (74.70 to 75.70): VU029979.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU029979.D (-2093) (-)



#46

Tetrachloroethene

Concen: 0.499 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. 0.00 min

Lab File: VU029985.D

Acq: 11 Mar 2019 23:01

Tgt Ion: 164 Resp: 1687

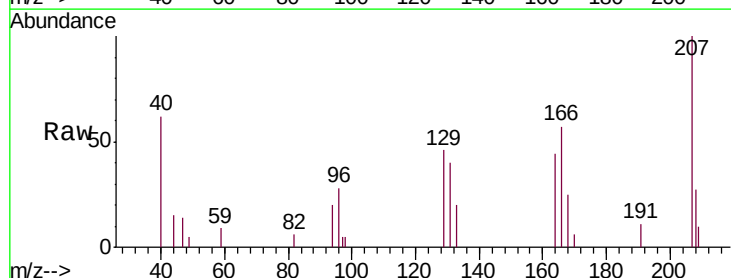
Ion Ratio Lower Upper

164 100

129 102.8 63.3 117.7

131 89.9 62.0 115.2

166 128.5 90.5 168.1

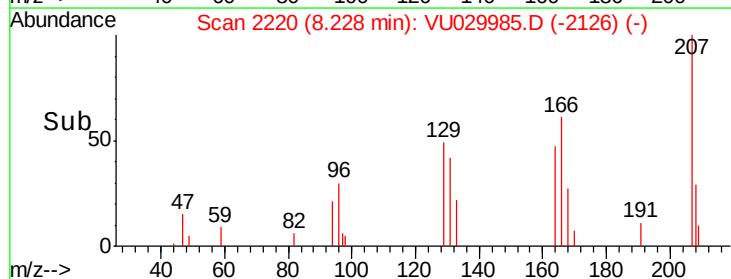
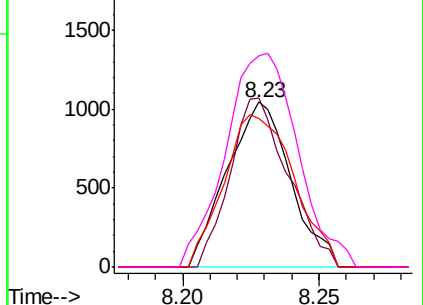


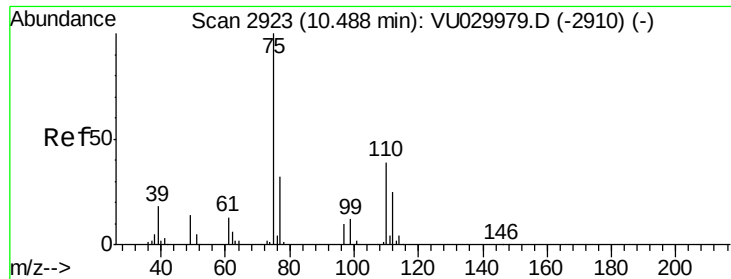
Abundance Ion 164.00 (163.70 to 164.70): VU029979.D (-2205) (-)

Ion 129.00 (128.70 to 129.70): VU029979.D (-2205) (-)

Ion 131.00 (130.70 to 131.70): VU029979.D (-2205) (-)

Ion 166.00 (165.70 to 166.70): VU029979.D (-2205) (-)





#59

1,2,3-Trichloropropane

Concen: 5.120 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU029985.D

Acq: 11 Mar 2019 23:01

Instrument :

MSVOA_U

ClientSampleId :

C0957DL

Tgt Ion: 75 Resp: 25844

Ion Ratio Lower Upper

75 100

77 34.6 25.8 38.8

