

Data File : VU029053.D
Acq On : 07 Jan 2019 12:28
Operator : MD/SY
Sample : K1048-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0949

Quant Time: Jan 08 01:41:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 01:37:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	185244	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	176833	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	72728	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	74808	50.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.74%
7) Chloroethane-d5	1.67	69	60097	52.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.78%
11) 1,1-Dichloroethene-d2	2.27	63	87453	35.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.04%
21) 2-Butanone-d5	4.17	46	106412	102.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.27%
24) Chloroform-d	4.65	84	117940	50.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	5.30	65	74245	51.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.16%
32) Benzene-d6	5.34	84	259965	52.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.08%
36) 1,2-Dichloropropane-d6	6.33	67	86995	51.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.52%
41) Toluene-d8	7.56	98	226012	49.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.84%
43) trans-1,3-Dichloropropene-	7.85	79	38406	50.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.00%
47) 2-Hexanone-d5	8.31	63	75673	93.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.88%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	119213	50.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.26%
64) 1,2-Dichlorobenzene-d4	11.86	152	78135	53.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.24%

Target Compounds

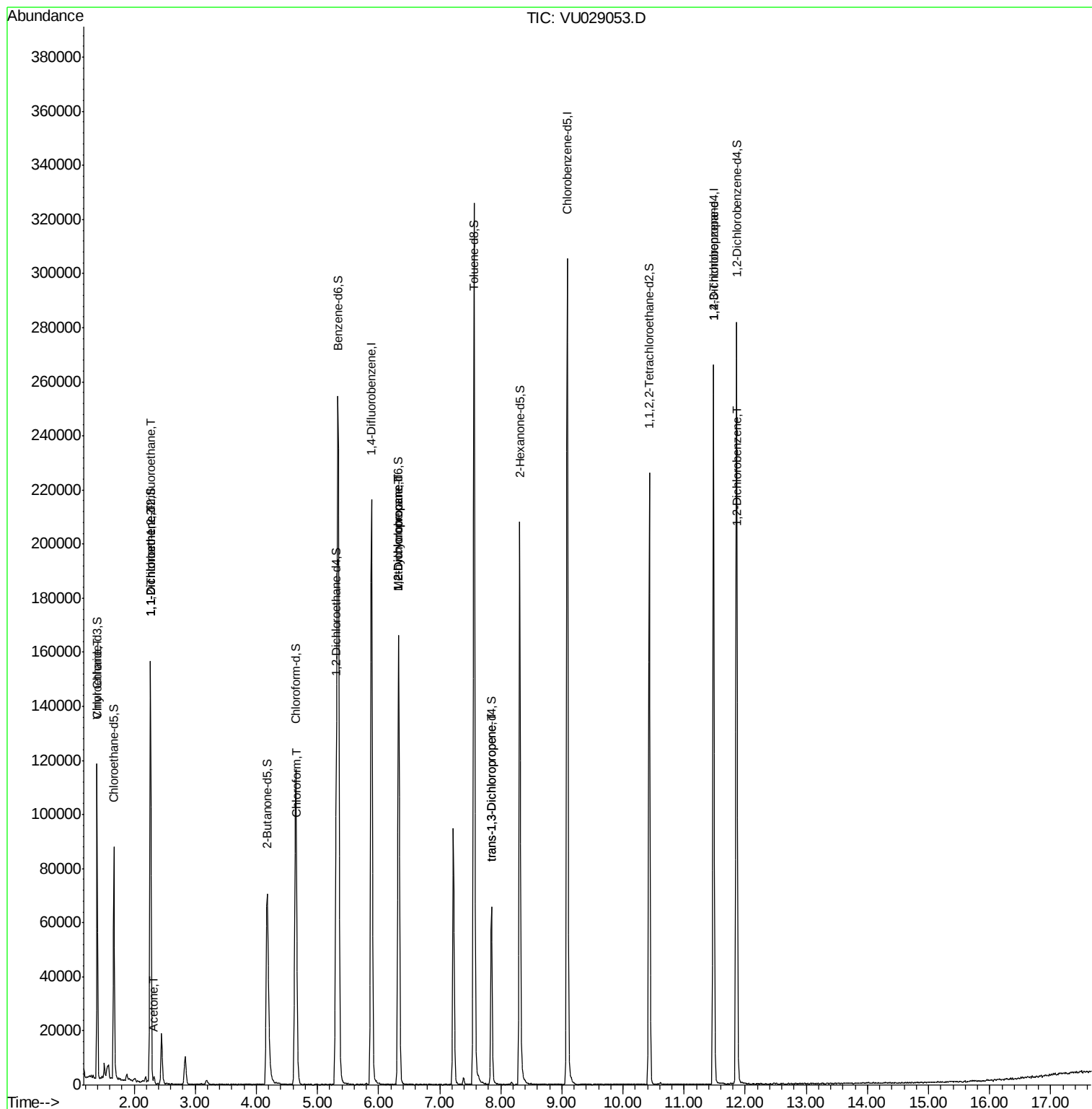
					Qvalue	
8) Chloroethane	1.40	64	1084	1.047	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	811	0.676	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	711	0.599	ug/L #	1
13) Acetone	2.32	43	1583	1.493	ug/L	86
25) Chloroform	4.67	83	3328	1.398	ug/L	84
35) Methylcyclohexane	6.33	83	18142	8.014	ug/L #	18
37) 1,2-Dichloropropane	6.33	63	8667	5.507	ug/L #	90
44) trans-1,3-Dichloropropene	7.85	75	1335	0.668	ug/L #	60
59) 1,2,3-Trichloropropane	11.48	75	8691	4.628	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	1704	0.707	ug/L #	81

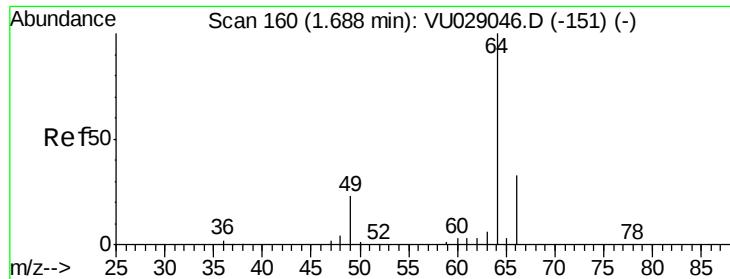
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jan 08 01:37:07 2019
Response via : Initial Calibration





#8

Chloroethane

Concen: 1.047 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.29 min

Lab File: VU029053.D

Acq: 07 Jan 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

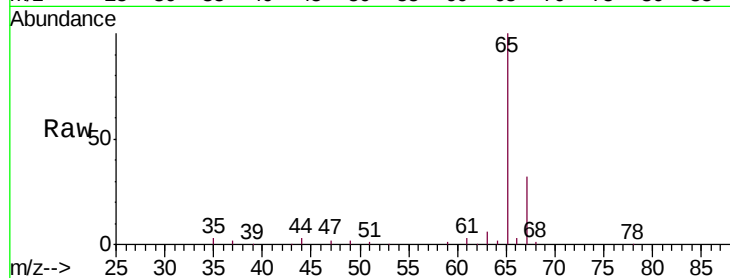
C0949

Tgt Ion: 64 Resp: 1084

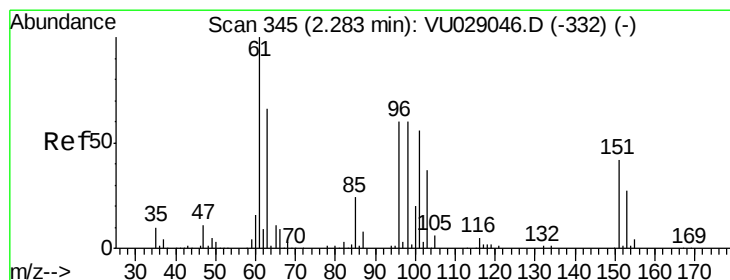
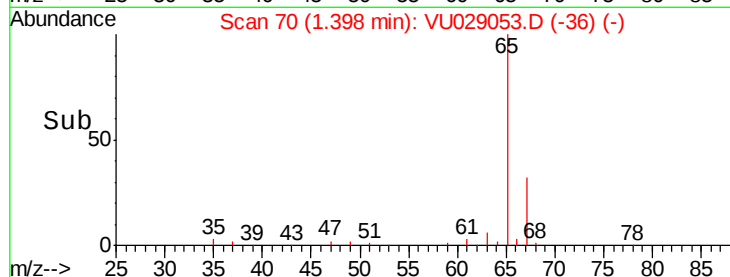
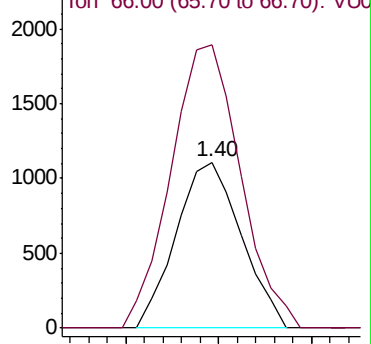
Ion Ratio Lower Upper

64 100

66 170.8 21.5 39.9#



Abundance Ion 64.00 (63.70 to 64.70): VU029046.D (-151) (-)



#10

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

Concen: 0.676 ug/L

RT: 2.27 min Scan# 340

Delta R.T. -0.02 min

Lab File: VU029053.D

Acq: 07 Jan 2019 12:28

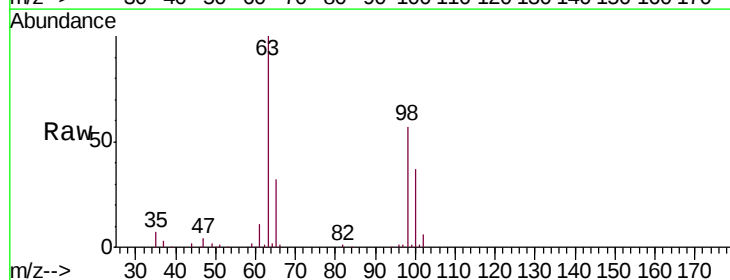
Tgt Ion: 101 Resp: 811

Ion Ratio Lower Upper

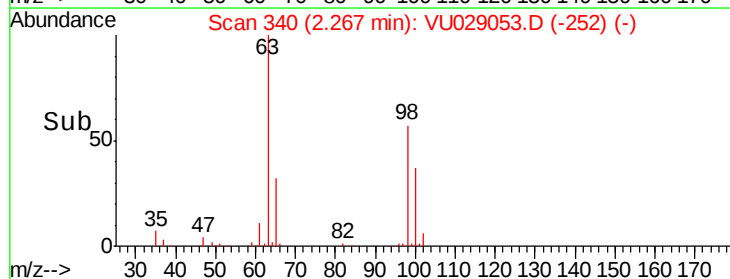
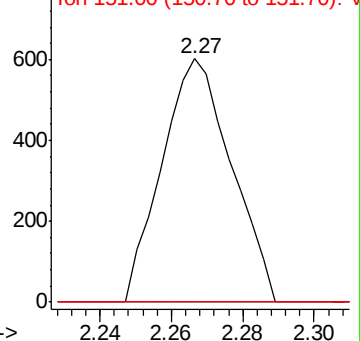
101 100

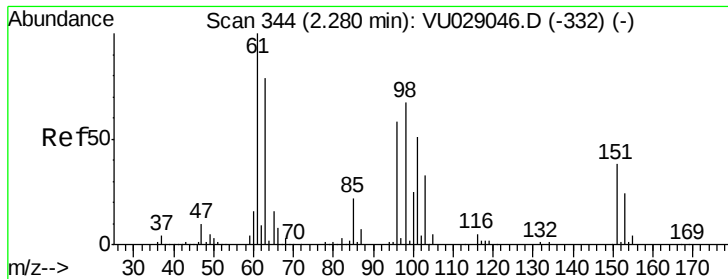
85 0.0 33.8 50.6#

151 0.0 59.4 89.0#



Abundance Ion 101.00 (100.70 to 101.70): VU029046.D (-332) (-)

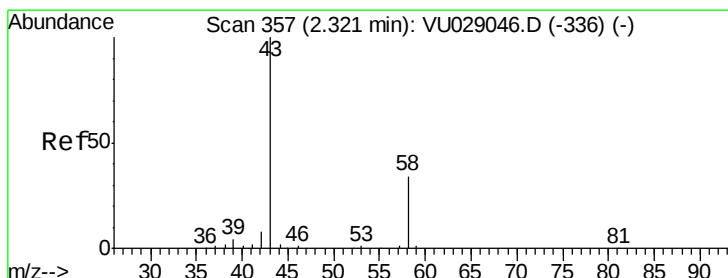
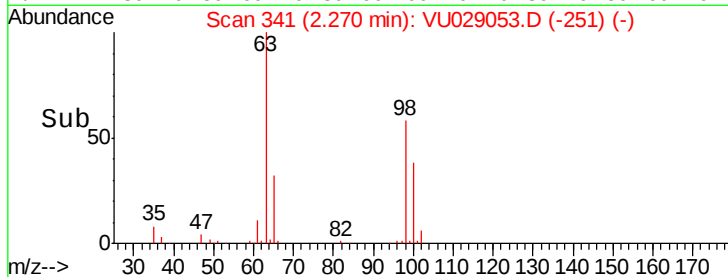
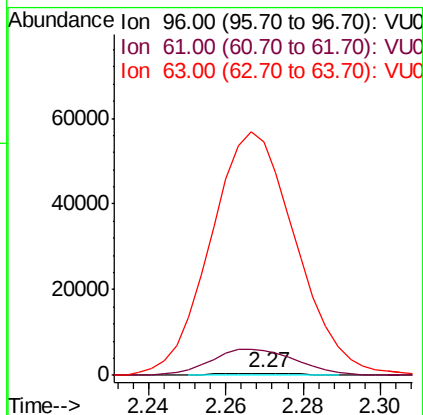
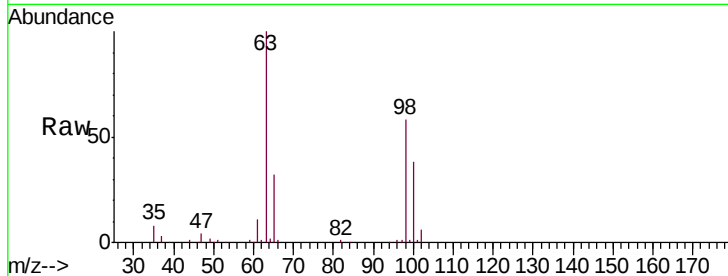




#12
 1,1-Dichloroethene
 Concen: 0.599 ug/L
 RT: 2.27 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VU029053.D
 Acq: 07 Jan 2019 12:28

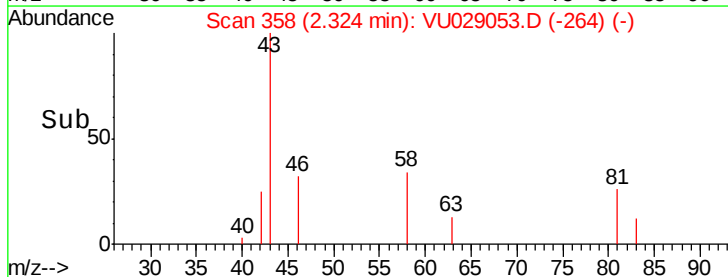
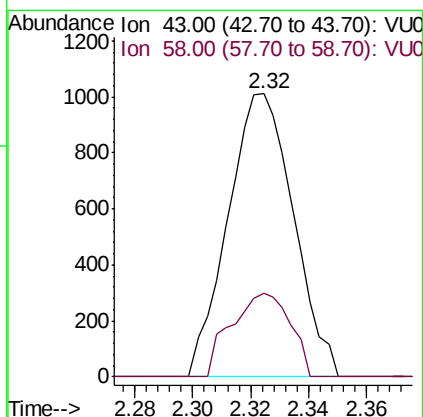
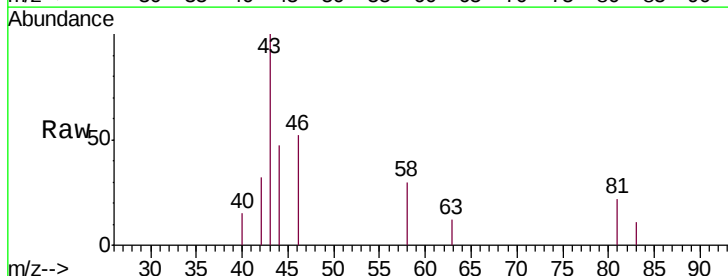
Instrument :
 MSVOA_U
 ClientSampleId :
 C0949

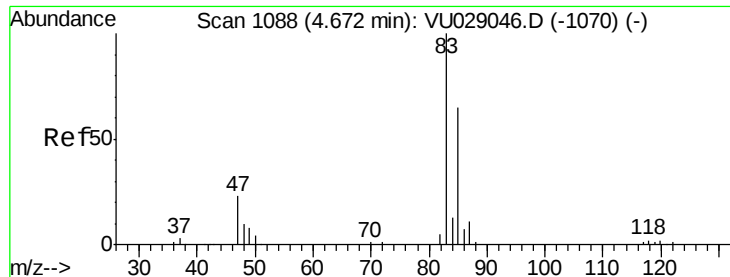
Tgt Ion: 96 Resp: 711
 Ion Ratio Lower Upper
 96 100
 61 1171.8 119.3 221.5#
 63 10820.6 107.4 199.6#



#13
 Acetone
 Concen: 1.493 ug/L
 RT: 2.32 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VU029053.D
 Acq: 07 Jan 2019 12:28

Tgt Ion: 43 Resp: 1583
 Ion Ratio Lower Upper
 43 100
 58 26.7 0.0 70.2

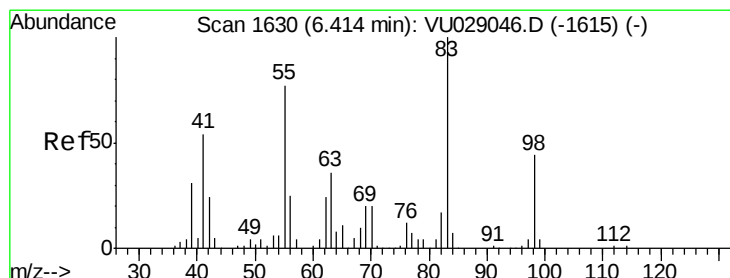
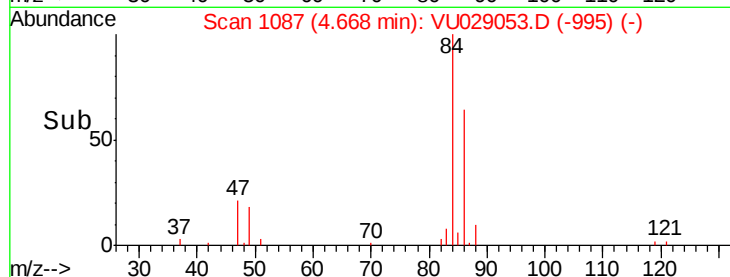
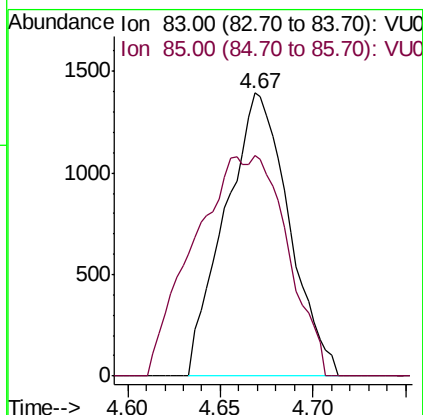
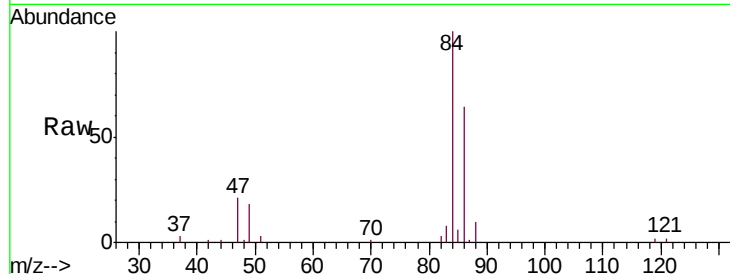




#25
Chloroform
Concen: 1.398 ug/L
RT: 4.67 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VU029053.D
Acq: 07 Jan 2019 12:28

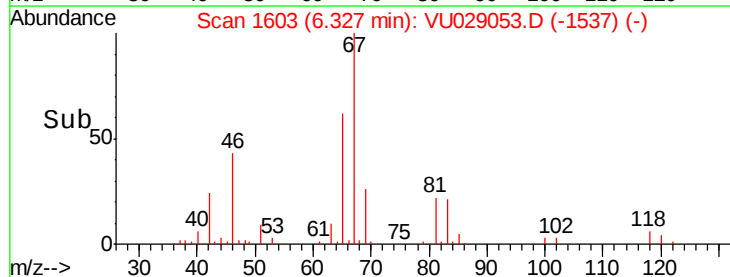
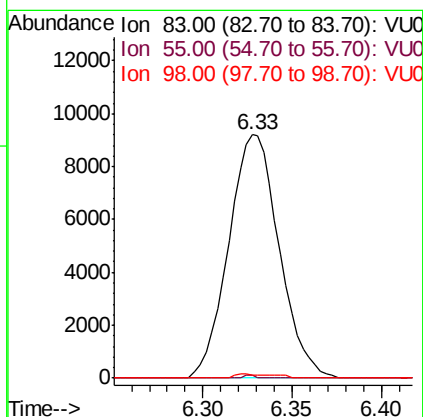
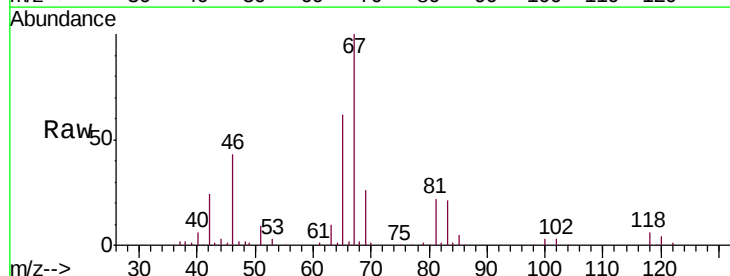
Instrument :
MSVOA_U
ClientSampled :
C0949

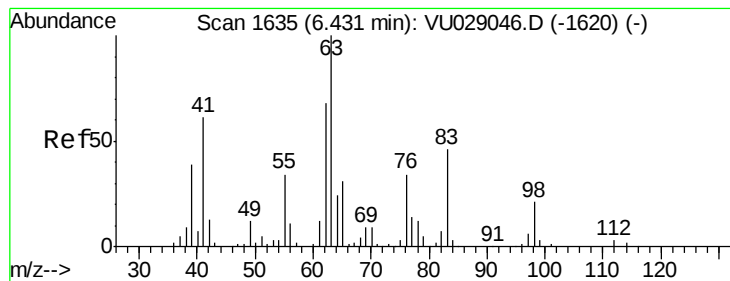
Tgt Ion: 83 Resp: 3328
Ion Ratio Lower Upper
83 100
85 78.0 45.6 84.6



#35
Methylcyclohexane
Concen: 8.014 ug/L
RT: 6.33 min Scan# 1603
Delta R.T. -0.09 min
Lab File: VU029053.D
Acq: 07 Jan 2019 12:28

Tgt Ion: 83 Resp: 18142
Ion Ratio Lower Upper
83 100
55 0.3 63.7 95.5#
98 1.2 35.6 53.4#





#37

1,2-Dichloropropane

Concen: 5.507 ug/L

RT: 6.33 min Scan# 1603

Delta R.T. -0.10 min

Lab File: VU029053.D

Acq: 07 Jan 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

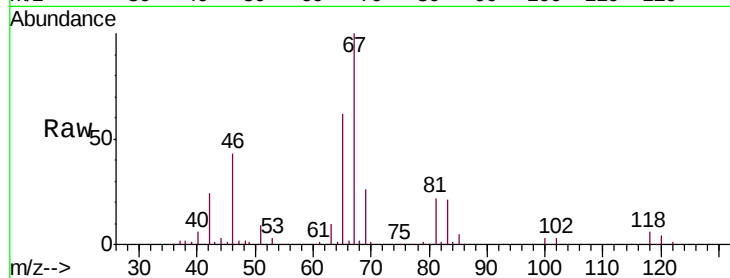
C0949

Tgt Ion: 63 Resp: 8667

Ion Ratio Lower Upper

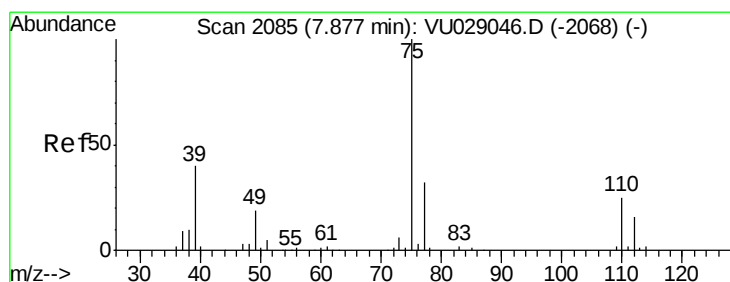
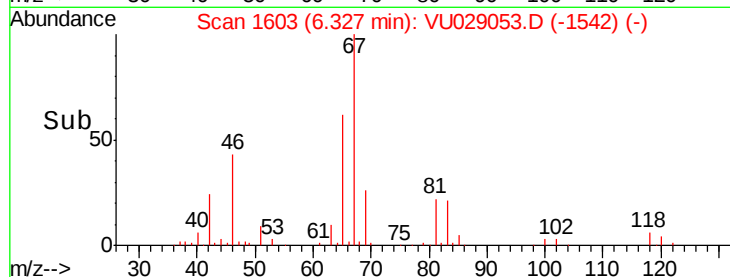
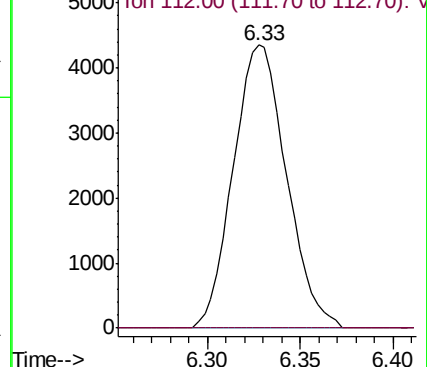
63 100

112 0.0 2.7 4.1#



Abundance Ion 63.00 (62.70 to 63.70): VU029046.D (-1620) (-)

Ion 112.00 (111.70 to 112.70): VU029046.D (-1620) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.668 ug/L

RT: 7.85 min Scan# 2075

Delta R.T. -0.03 min

Lab File: VU029053.D

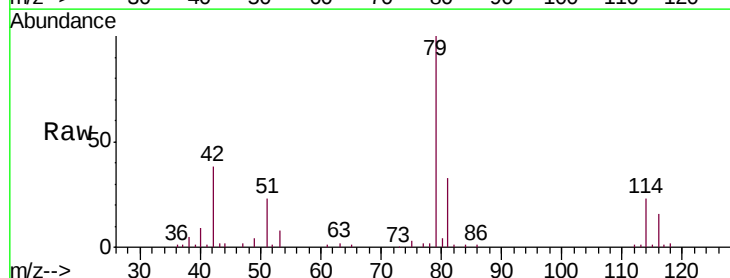
Acq: 07 Jan 2019 12:28

Tgt Ion: 75 Resp: 1335

Ion Ratio Lower Upper

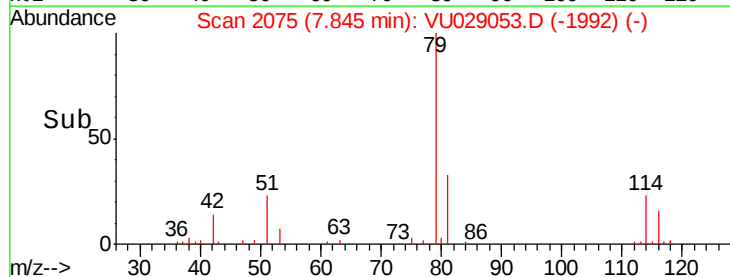
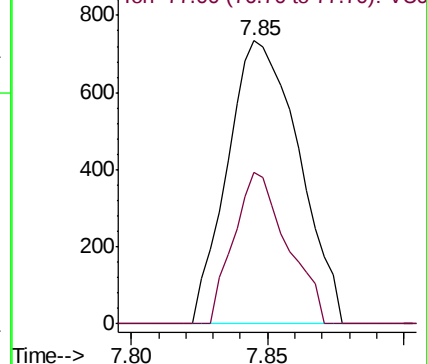
75 100

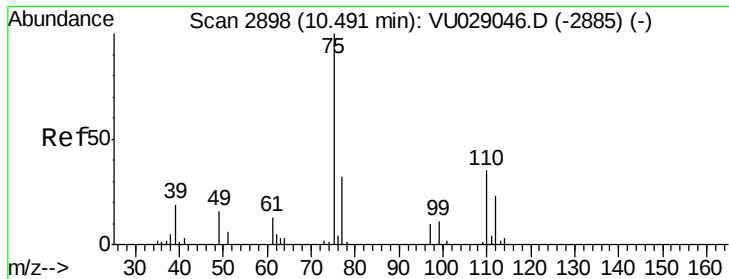
77 53.4 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU029046.D (-2068) (-)

Ion 77.00 (76.70 to 77.70): VU029046.D (-2068) (-)





#59

1,2,3-Trichloropropane

Concen: 4.628 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU029053.D

Acq: 07 Jan 2019 12:28

Instrument :

MSVOA_U

ClientSampled :

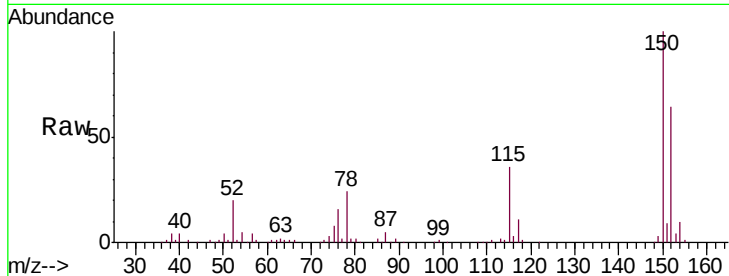
C0949

Tgt Ion: 75 Resp: 8691

Ion Ratio Lower Upper

75 100

77 32.6 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU029046.D (-2885) (-)

Ion 77.00 (76.70 to 77.70): VU029046.D (-2885) (-)

11.48

6000

5000

4000

3000

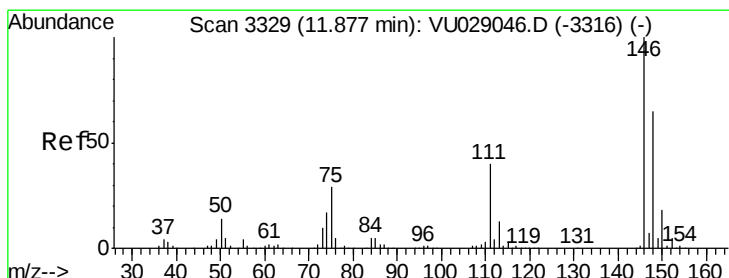
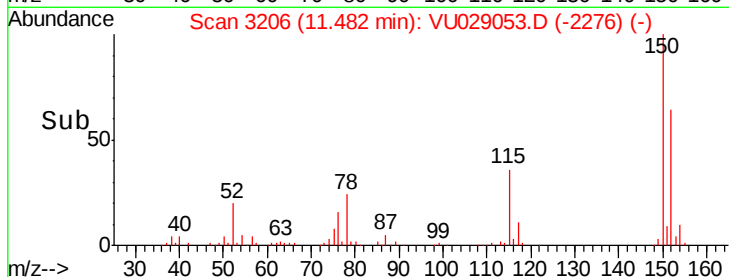
2000

1000

0

11.45 11.50

Time-->



#65

1,2-Dichlorobenzene

Concen: 0.707 ug/L

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU029053.D

Acq: 07 Jan 2019 12:28

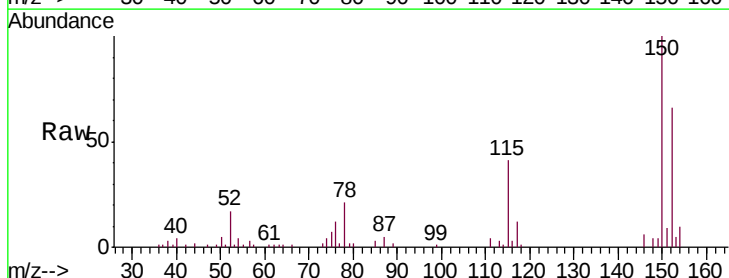
Tgt Ion: 146 Resp: 1704

Ion Ratio Lower Upper

146 100

111 61.9 32.1 48.1#

148 69.0 49.7 74.5



Abundance Ion 146.00 (145.70 to 146.70): VU029046.D (-3316) (-)

Ion 111.00 (110.70 to 111.70): VU029046.D (-3316) (-)

Ion 148.00 (147.70 to 148.70): VU029046.D (-3316) (-)

11.88

1500

1000

500

0

11.85 11.90

Time-->

