

Data File : VU033522.D
Acq On : 31 Jul 2019 13:48
Operator : JC/SP
Sample : K4103-06MSD
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB9D8MSD

Quant Time: Aug 01 07:25:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 01 07:20:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	302031	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	297244	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	139004	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	112248	51.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.22%
7) Chloroethane-d5	1.67	69	100977	53.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.18%
11) 1,1-Dichloroethene-d2	2.26	63	205491	51.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.12%
21) 2-Butanone-d5	4.15	46	166331	114.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.36%
24) Chloroform-d	4.62	84	197059	53.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.08%
26) 1,2-Dichloroethane-d4	5.29	65	132922	57.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.04%
32) Benzene-d6	5.32	84	412561	55.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.98%
36) 1,2-Dichloropropane-d6	6.31	67	132916	57.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	115.08%
41) Toluene-d8	7.55	98	372223	53.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.82%
43) trans-1,3-Dichloropropene-	7.83	79	62834	54.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.68%
47) 2-Hexanone-d5	8.30	63	125163	114.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.13%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	194725	54.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.34%
64) 1,2-Dichlorobenzene-d4	11.85	152	146066	57.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.76%

Target Compounds

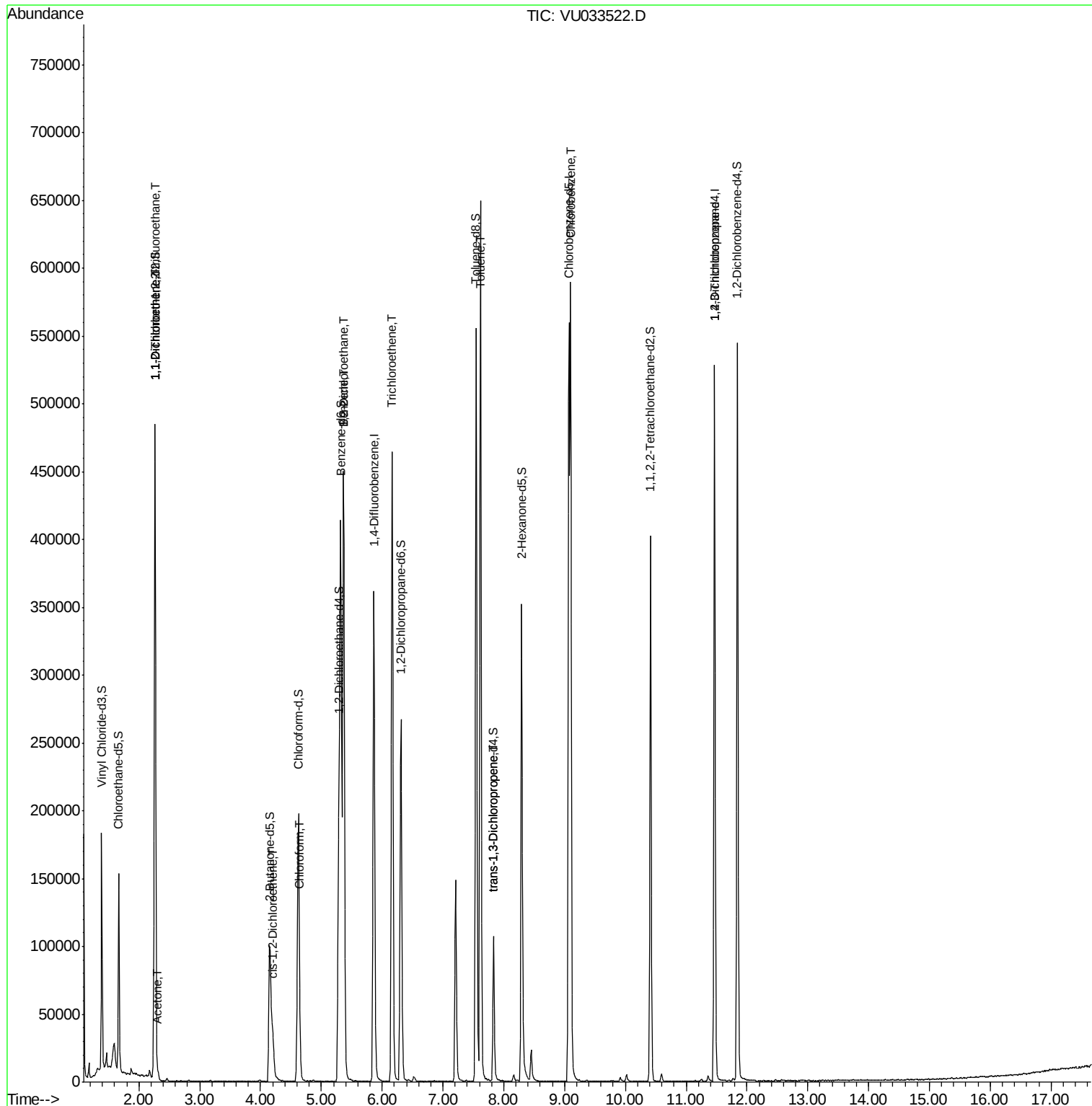
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1785	0.875 ug/L #	21
12) 1,1-Dichloroethene	2.27	96	96564	49.371 ug/L	95
13) Acetone	2.31	43	4288	2.882 ug/L	100
20) cis-1,2-Dichloroethene	4.20	96	16106	7.002 ug/L	99
25) Chloroform	4.65	83	6999	1.729 ug/L	93
27) 1,2-Dichloroethane	5.37	62	4123	1.323 ug/L #	75
33) Benzene	5.37	78	444441	51.830 ug/L	100
34) Trichloroethene	6.16	95	161833	71.545 ug/L	100
42) Toluene	7.62	91	476201	51.646 ug/L	98
44) trans-1,3-Dichloropropene	7.83	75	2704	0.835 ug/L #	80
51) Chlorobenzene	9.10	112	304211	50.394 ug/L	100
59) 1,2,3-Trichloropropane	11.47	75	15746	5.197 ug/L	89

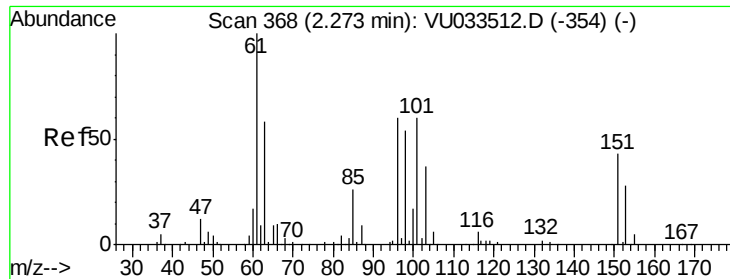
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.875 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU033522.D

Acq: 31 Jul 2019 13:48

Instrument :

MSVOA_U

ClientSampleId :

DB9D8MSD

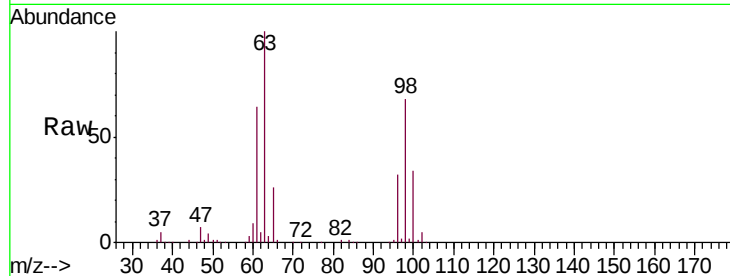
Tgt Ion:101 Resp: 1785

Ion Ratio Lower Upper

101 100

85 4.0 35.8 53.8#

151 0.0 60.1 90.1#



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

1500

1000

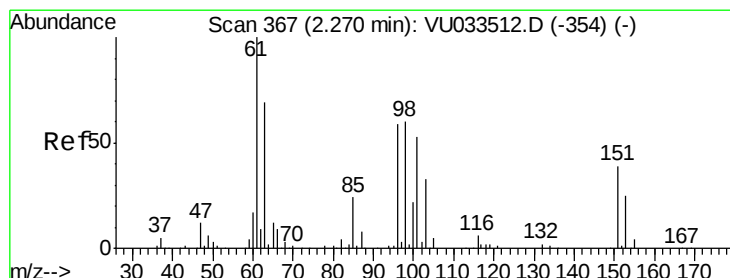
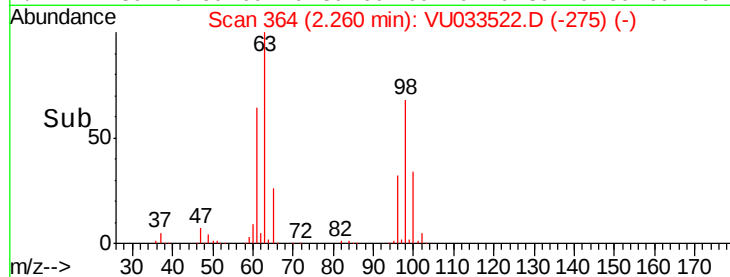
500

0

2.25 2.30

2.26

Time-->



#12

1,1-Dichloroethene

Concen: 49.371 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033522.D

Acq: 31 Jul 2019 13:48

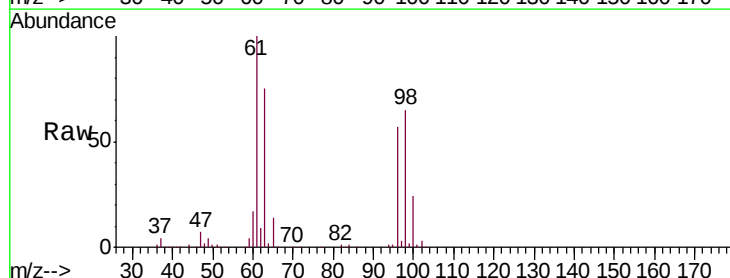
Tgt Ion: 96 Resp: 96564

Ion Ratio Lower Upper

96 100

61 174.7 119.3 221.5

63 131.4 86.6 160.8



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

150000

100000

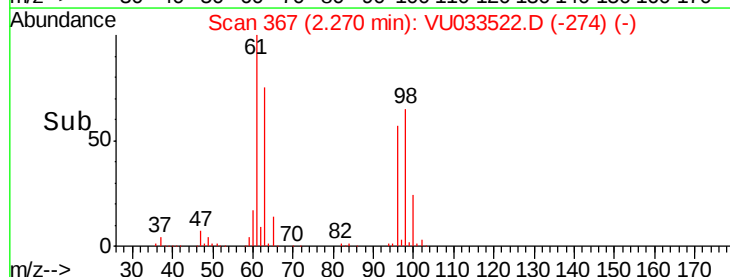
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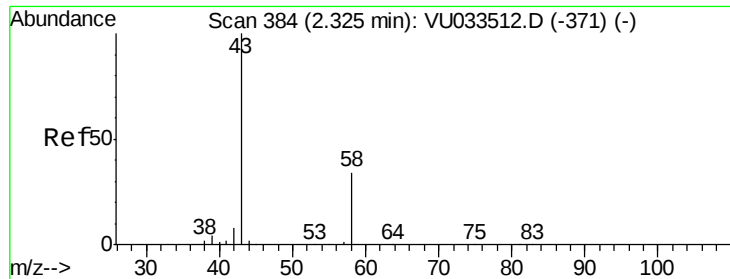
0

2.20 2.25 2.30 2.35

2.27

Time-->





#13

Acetone

Concen: 2.882 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.01 min

Lab File: VU033522.D

Acq: 31 Jul 2019 13:48

Instrument :

MSVOA_U

ClientSampled :

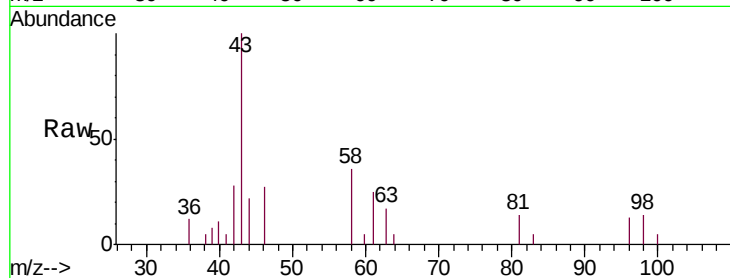
DB9D8MSD

Tgt Ion: 43 Resp: 4288

Ion Ratio Lower Upper

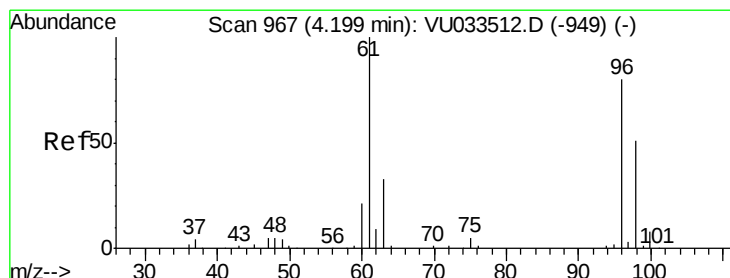
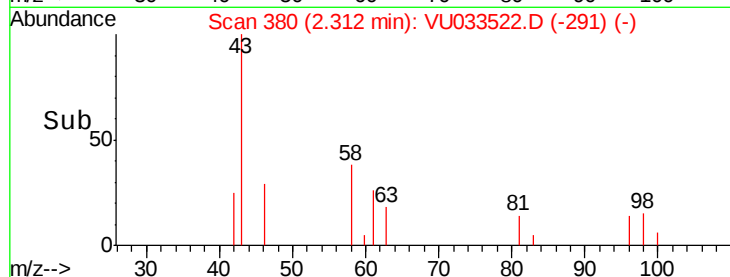
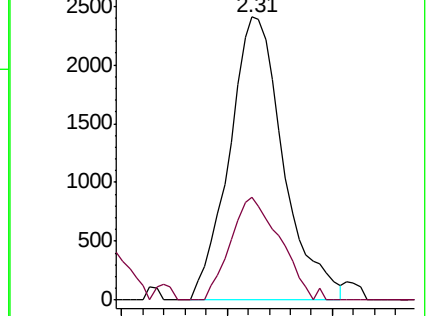
43 100

58 33.0 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VU033512.D (-371) (-)

Ion 58.00 (57.70 to 58.70): VU033512.D (-371) (-)



#20

cis-1,2-Dichloroethene

Concen: 7.002 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU033522.D

Acq: 31 Jul 2019 13:48

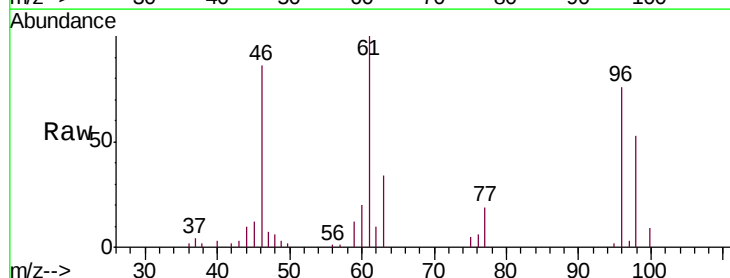
Tgt Ion: 96 Resp: 16106

Ion Ratio Lower Upper

96 100

61 131.4 91.3 169.6

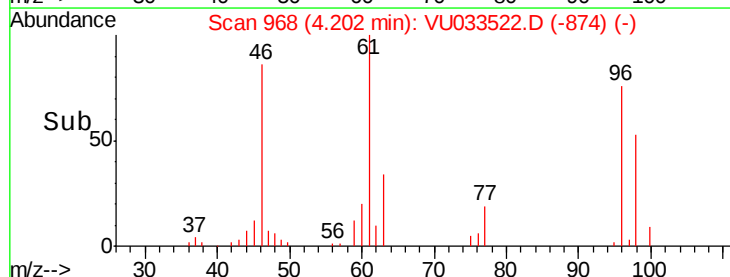
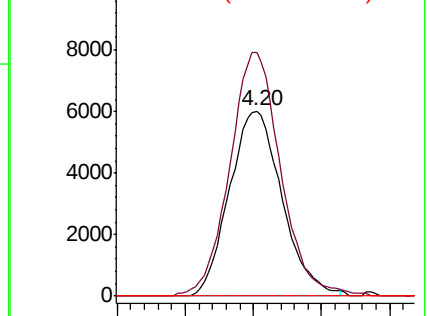
68 0.0 0.0 0.0

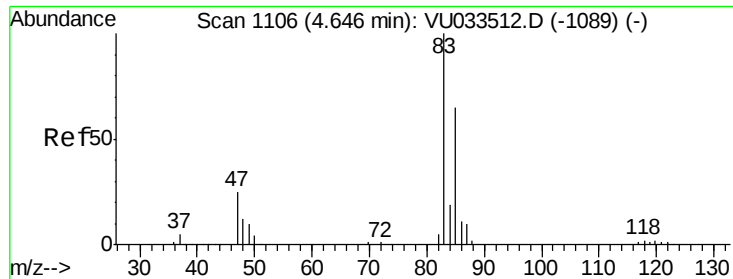


Abundance Ion 96.00 (95.70 to 96.70): VU033512.D (-949) (-)

Ion 61.00 (60.70 to 61.70): VU033512.D (-949) (-)

Ion 68.00 (67.70 to 68.70): VU033512.D (-949) (-)

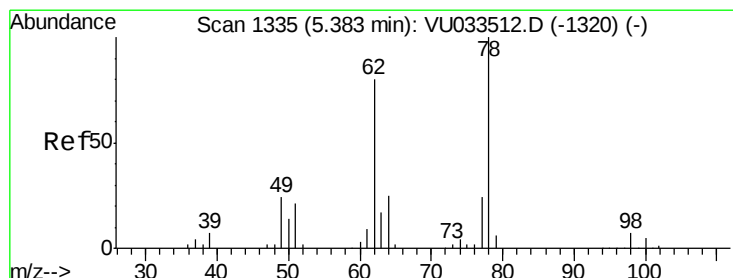
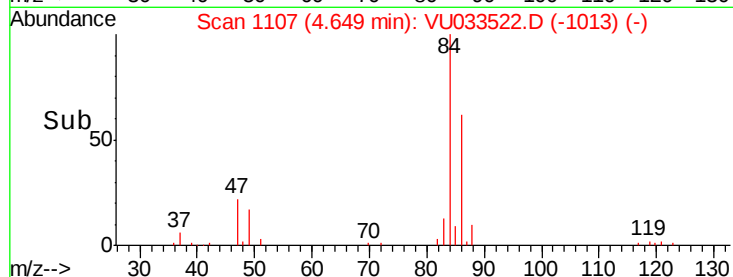
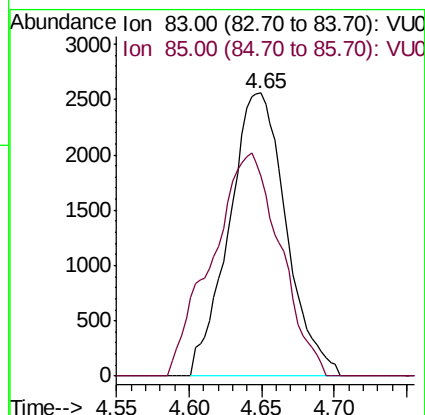
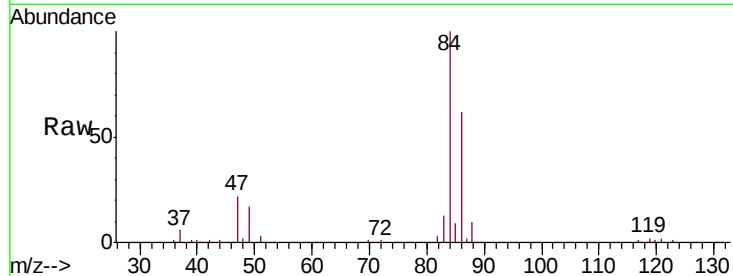




#25
Chloroform
Concen: 1.729 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033522.D
Acq: 31 Jul 2019 13:48

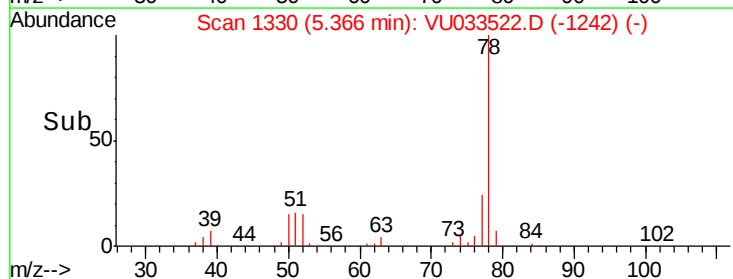
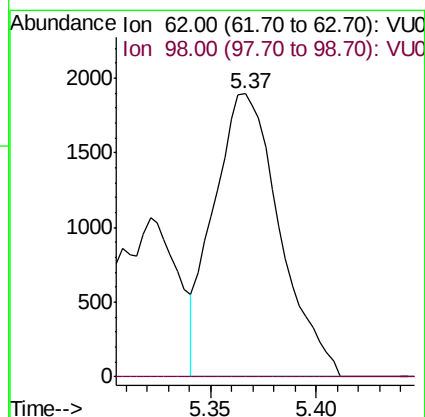
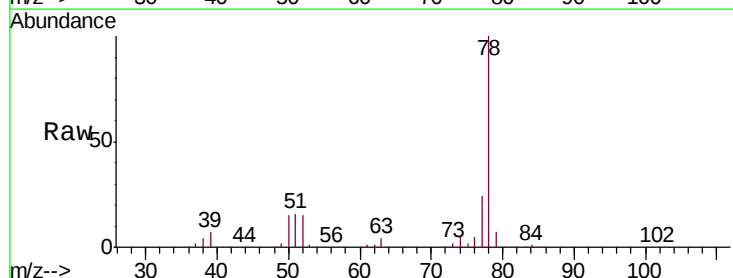
Instrument :
MSVOA_U
ClientSampleId :
DB9D8MSD

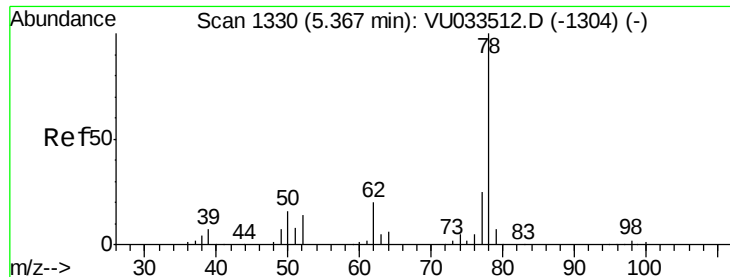
Tgt Ion: 83 Resp: 6999
Ion Ratio Lower Upper
83 100
85 70.5 45.6 84.8



#27
1,2-Dichloroethane
Concen: 1.323 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. -0.02 min
Lab File: VU033522.D
Acq: 31 Jul 2019 13:48

Tgt Ion: 62 Resp: 4123
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#





#33

Benzene

Concen: 51.830 ug/L

RT: 5.37 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VU033522.D

Acq: 31 Jul 2019 13:48

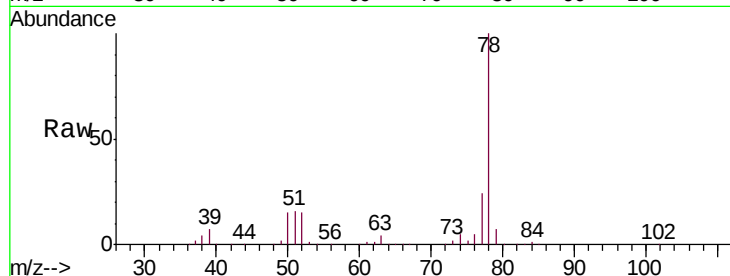
Instrument :

MSVOA_U

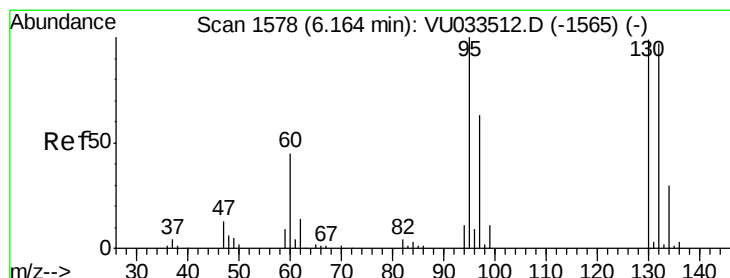
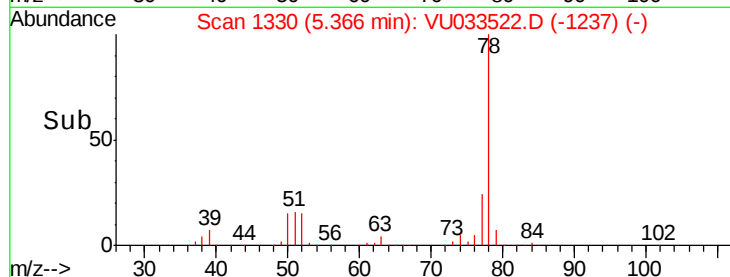
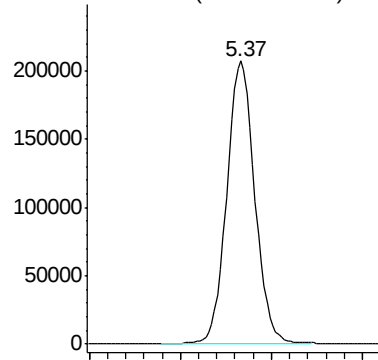
ClientSampleId :

DB9D8MSD

Tgt Ion: 78 Resp: 444441



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 71.545 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033522.D

Acq: 31 Jul 2019 13:48

Tgt Ion: 95 Resp: 161833

Ion	Ratio	Lower	Upper
95	100		
97	63.6	44.7	83.1
132	95.8	66.8	124.0
130	102.1	71.6	133.0

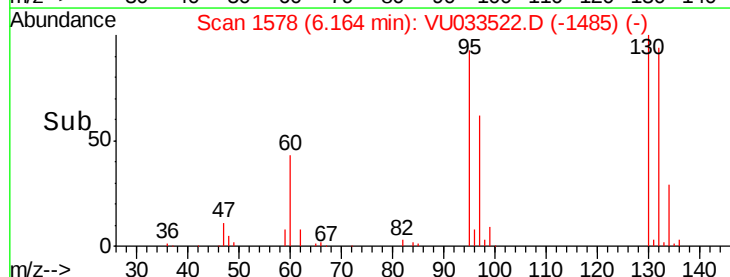
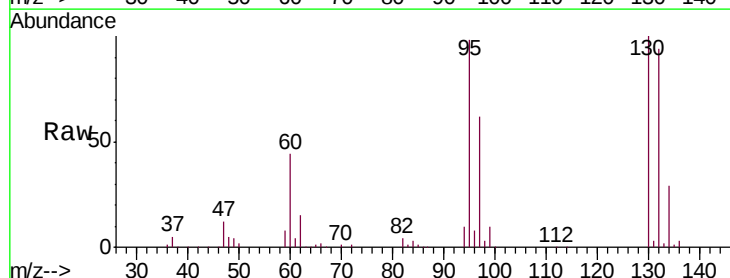
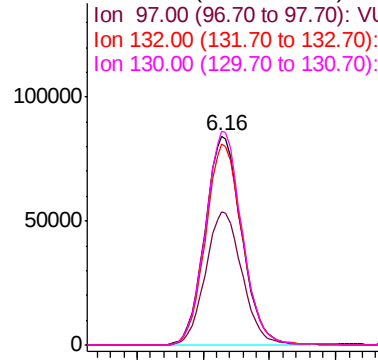
Ion 95.00 (94.70 to 95.70): VU0

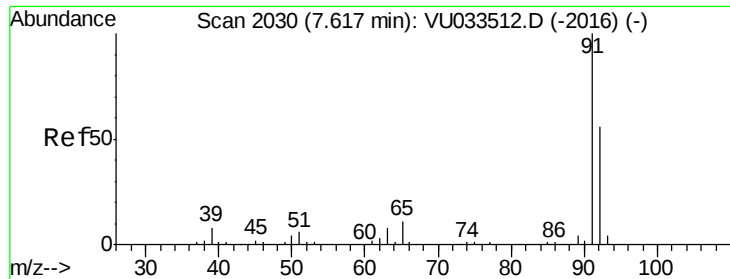
Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

Abundance Ion 95.00 (94.70 to 95.70): VU0





#42

Toluene

Concen: 51.646 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033522.D

Acq: 31 Jul 2019 13:48

Instrument :

MSVOA_U

ClientSampleId :

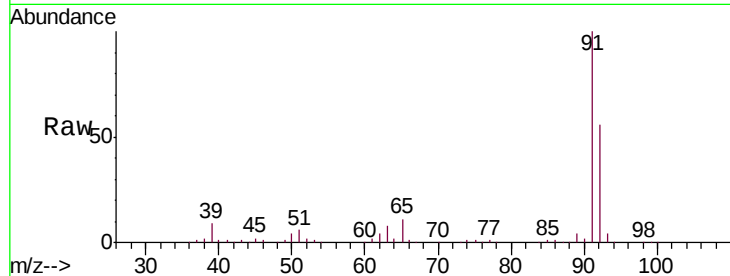
DB9D8MSD

Tgt Ion: 91 Resp: 476201

Ion Ratio Lower Upper

91 100

92 55.9 40.2 74.6



Abundance Ion 91.00 (90.70 to 91.70): VU033512.D (-2016) (-)

Ion 92.00 (91.70 to 92.70): VU033512.D (-2016) (-)

7.62

300000

250000

200000

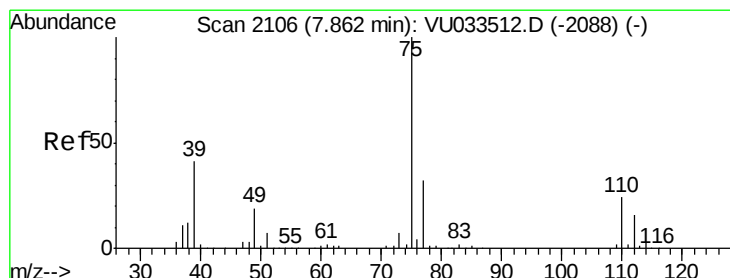
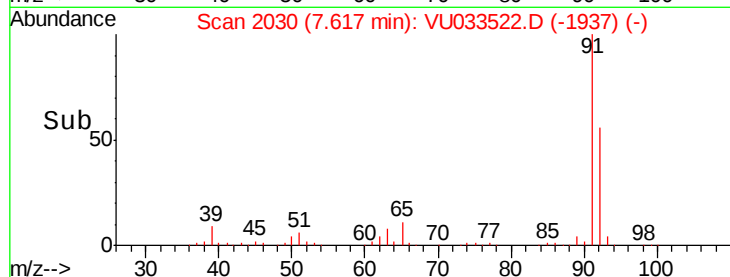
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.835 ug/L

RT: 7.83 min Scan# 2096

Delta R.T. -0.03 min

Lab File: VU033522.D

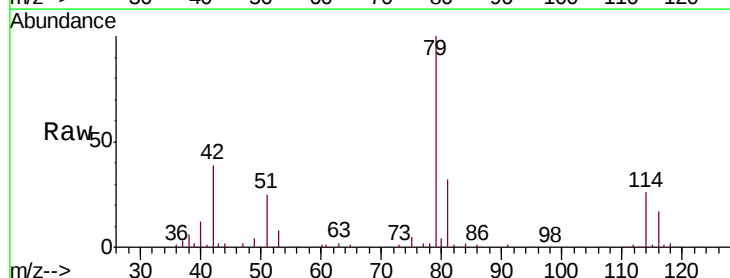
Acq: 31 Jul 2019 13:48

Tgt Ion: 75 Resp: 2704

Ion Ratio Lower Upper

75 100

77 43.6 22.7 42.1#



Abundance Ion 75.00 (74.70 to 75.70): VU033512.D (-2088) (-)

Ion 77.00 (76.70 to 77.70): VU033512.D (-2088) (-)

7.83

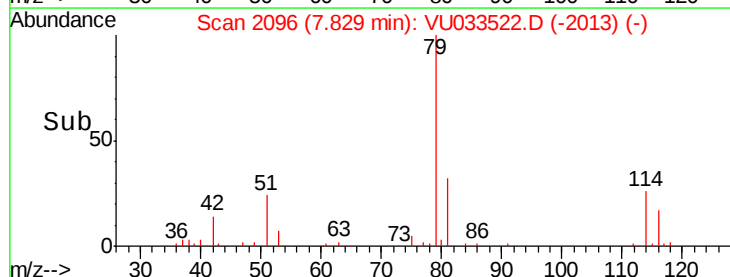
1500

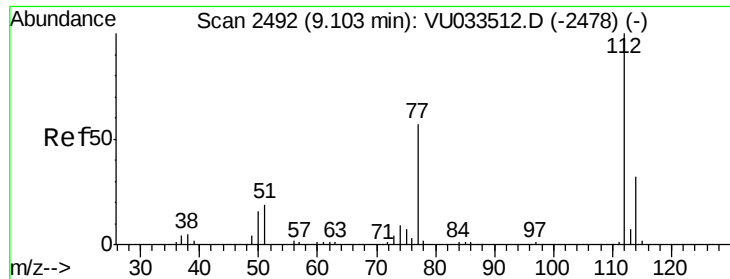
1000

500

0

Time-->

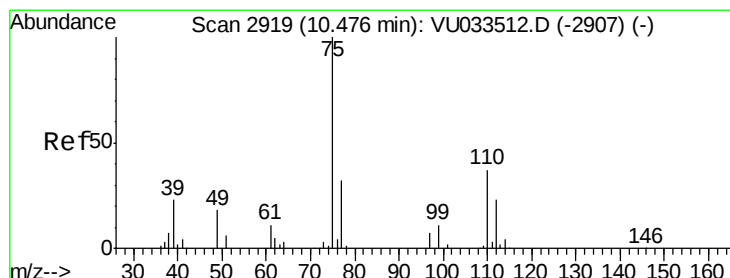
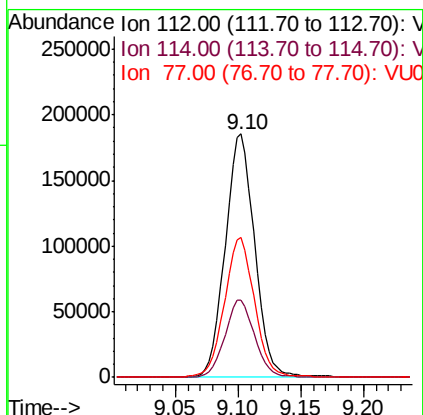
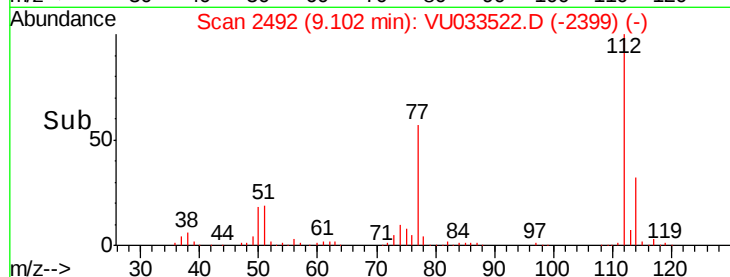
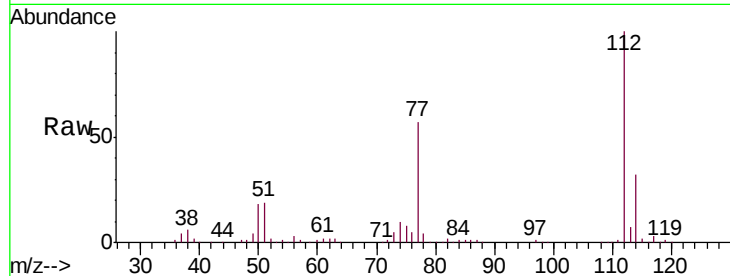




#51
Chlorobenzene
Concen: 50.394 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. -0.00 min
Lab File: VU033522.D
Acq: 31 Jul 2019 13:48

Instrument :
MSVOA_U
ClientSampleId :
DB9D8MSD

Tgt Ion: 112 Resp: 304211
Ion Ratio Lower Upper
112 100
114 31.8 22.3 41.5
77 57.3 45.6 68.4



#59
1,2,3-Trichloropropane
Concen: 5.197 ug/L
RT: 11.47 min Scan# 3227
Delta R.T. 0.99 min
Lab File: VU033522.D
Acq: 31 Jul 2019 13:48

Tgt Ion: 75 Resp: 15746
Ion Ratio Lower Upper
75 100
77 38.4 25.8 38.6

