

Data File : VU033425.D
Acq On : 25 Jul 2019 21:28
Operator : JC/SP
Sample : K3982-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AA4

Quant Time: Jul 26 05:54:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 26 05:48:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	273718	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	281647	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	120784	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	122530	59.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	118.26%
7) Chloroethane-d5	1.67	69	108833	61.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	122.96%
11) 1,1-Dichloroethene-d2	2.25	63	164971	43.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.78%
21) 2-Butanone-d5	4.15	46	145804	111.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.06%
24) Chloroform-d	4.62	84	181890	52.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.76%
26) 1,2-Dichloroethane-d4	5.29	65	128905	57.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.76%
32) Benzene-d6	5.32	84	394811	57.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.28%
36) 1,2-Dichloropropane-d6	6.31	67	123958	56.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.02%
41) Toluene-d8	7.55	98	357436	54.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.72%
43) trans-1,3-Dichloropropene-	7.83	79	55951	51.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.10%
47) 2-Hexanone-d5	8.30	63	105894	106.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.13%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	188111	56.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	112.30%
64) 1,2-Dichlorobenzene-d4	11.85	152	132946	61.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	123.44%#

Target Compounds

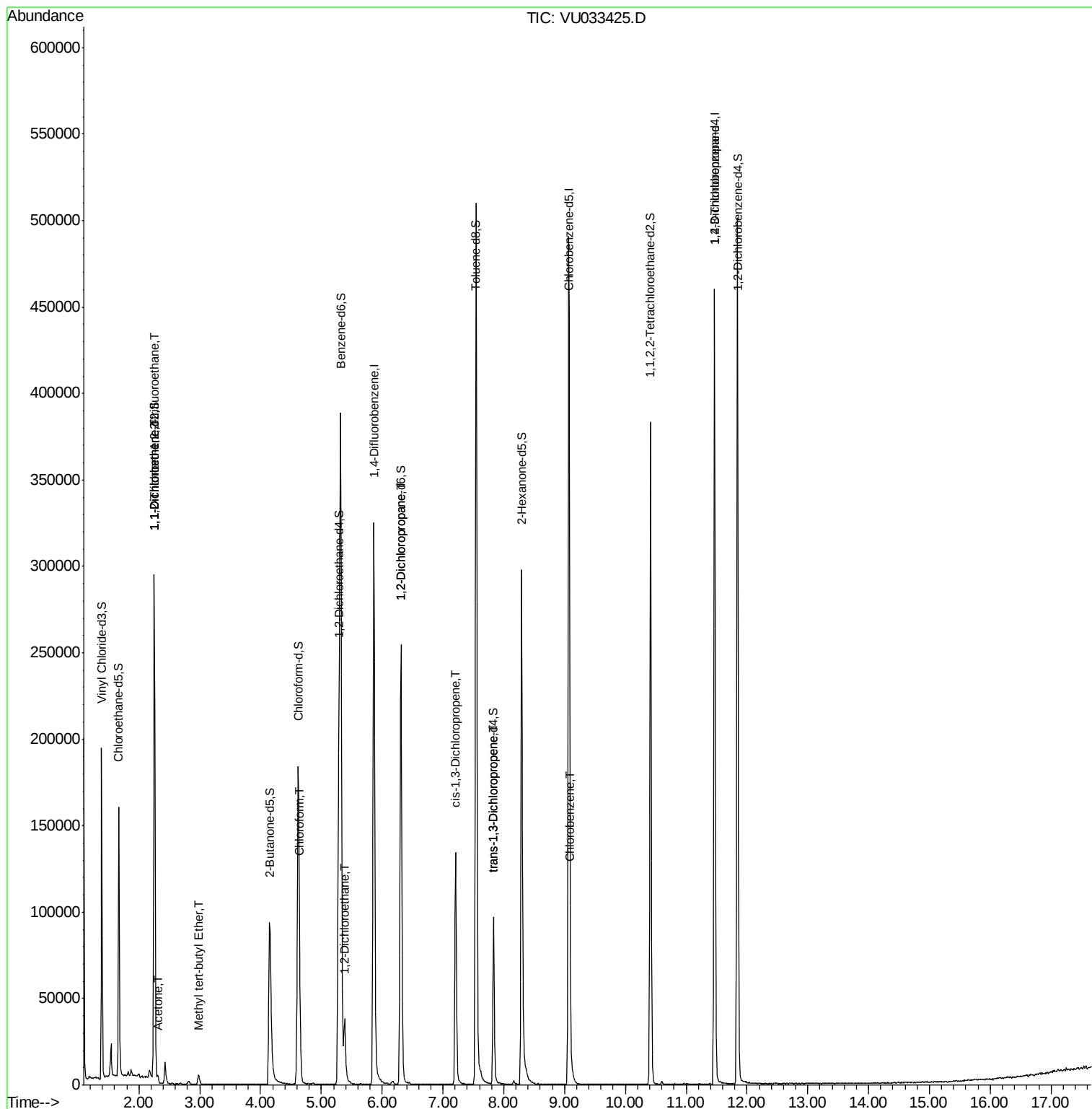
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.25	101	1567	0.839	ug/L #	21
12) 1,1-Dichloroethene	2.25	96	1358	0.743	ug/L #	1
13) Acetone	2.31	43	2603	1.587	ug/L	79
18) Methyl tert-butyl Ether	2.98	73	5875	1.008	ug/L #	86
25) Chloroform	4.65	83	17253	4.469	ug/L	96
27) 1,2-Dichloroethane	5.38	62	29973	10.027	ug/L	97
37) 1,2-Dichloropropane	6.31	63	13582	6.097	ug/L #	89
39) cis-1,3-Dichloropropene	7.21	75	3509	1.027	ug/L #	55
44) trans-1,3-Dichloropropene	7.83	75	2532	0.822	ug/L	90
51) Chlorobenzene	9.10	112	3302	0.571	ug/L #	83
59) 1,2,3-Trichloropropane	11.47	75	14389	4.962	ug/L #	87

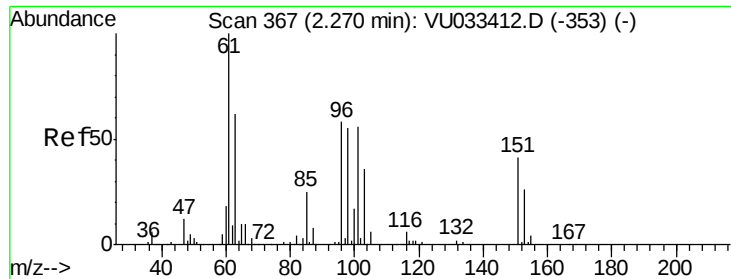
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.839 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.02 min

Lab File: VU033425.D

Acq: 25 Jul 2019 21:28

Instrument :

MSVOA_U

ClientSampleId :

C0AA4

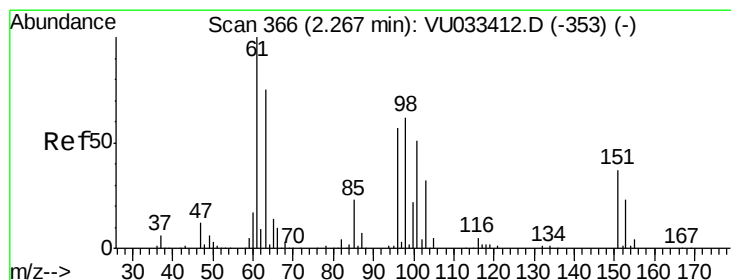
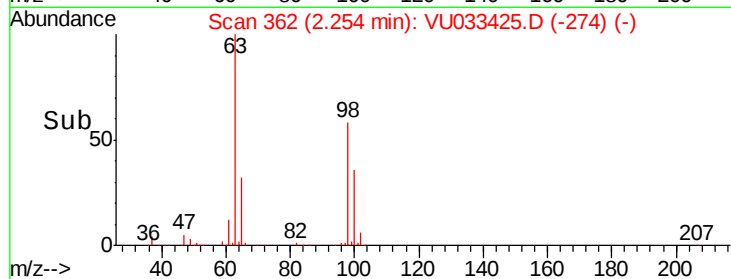
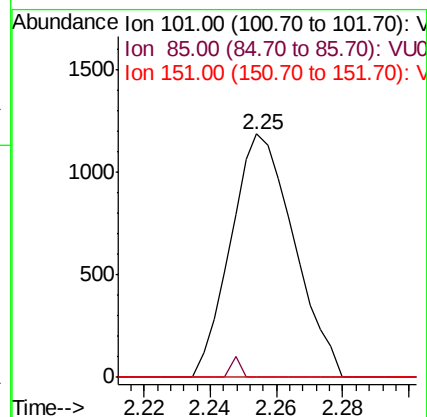
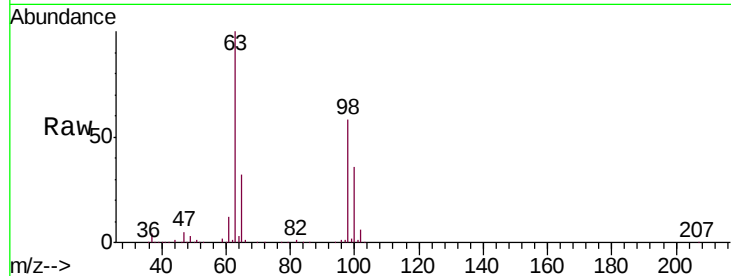
Tgt Ion:101 Resp: 1567

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

151 0.0 56.7 85.1#



#12

1,1-Dichloroethene

Concen: 0.743 ug/L

RT: 2.25 min Scan# 361

Delta R.T. -0.02 min

Lab File: VU033425.D

Acq: 25 Jul 2019 21:28

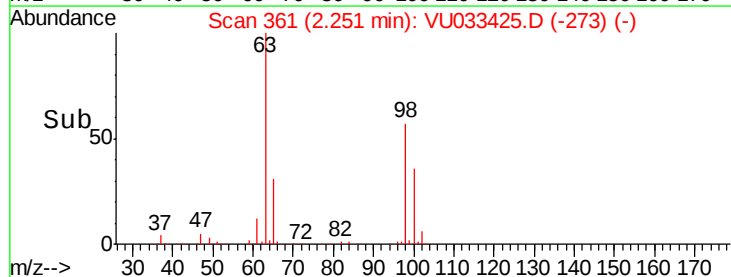
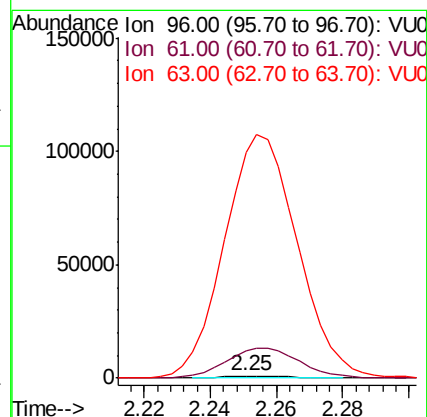
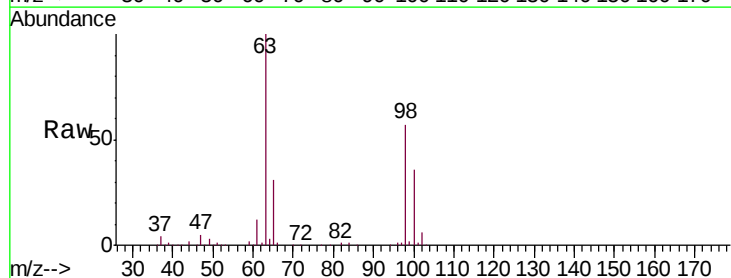
Tgt Ion: 96 Resp: 1358

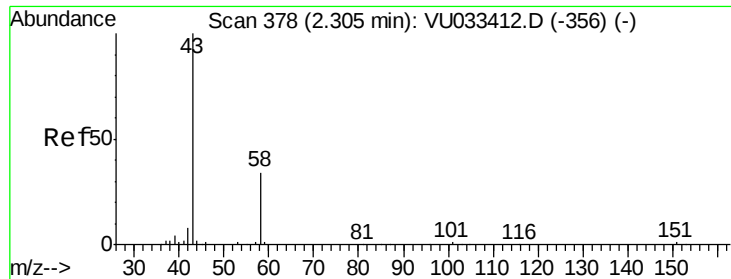
Ion Ratio Lower Upper

96 100

61 1367.0 126.1 234.1#

63 11548.4 96.8 179.8#





#13

Acetone

Concen: 1.587 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU033425.D

Acq: 25 Jul 2019 21:28

Instrument :

MSVOA_U

ClientSampled :

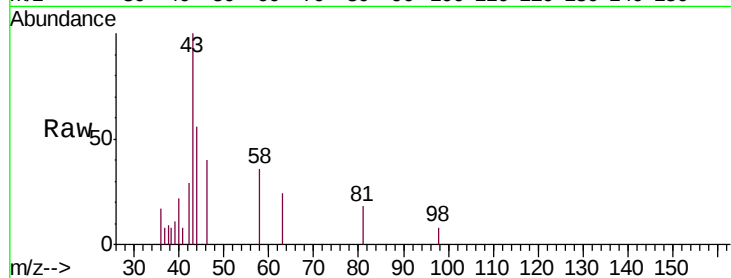
C0AA4

Tgt Ion: 43 Resp: 2603

Ion Ratio Lower Upper

43 100

58 20.9 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU033412.D (-356) (-)

Ion 58.00 (57.70 to 58.70): VU033412.D (-356) (-)

2.31

1500

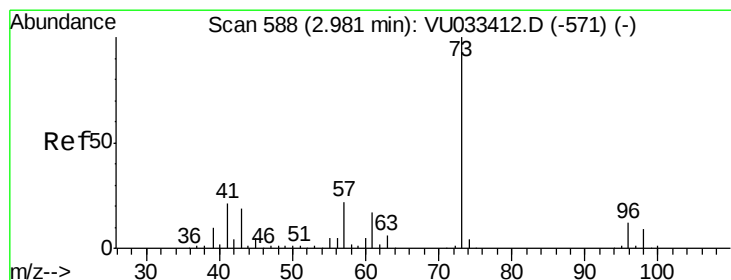
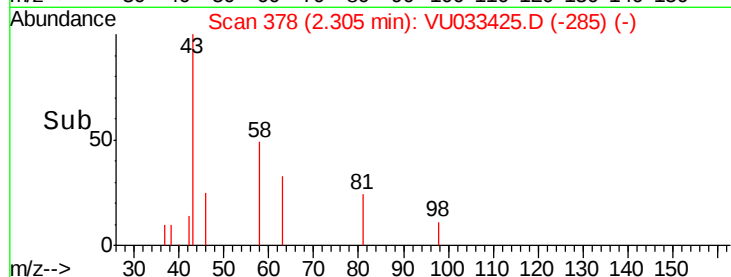
1000

500

0

2.25 2.30 2.35

Time-->



#18

Methyl tert-butyl Ether

Concen: 1.008 ug/L

RT: 2.98 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU033425.D

Acq: 25 Jul 2019 21:28

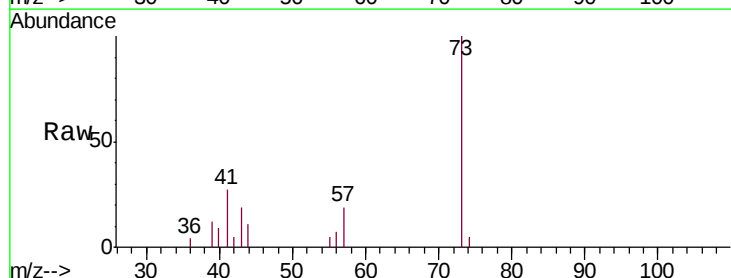
Tgt Ion: 73 Resp: 5875

Ion Ratio Lower Upper

73 100

43 16.5 15.7 23.5

57 12.9 17.8 26.6#



Abundance Ion 73.00 (72.70 to 73.70): VU033412.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU033412.D (-571) (-)

Ion 57.00 (56.70 to 57.70): VU033412.D (-571) (-)

2.98

3000

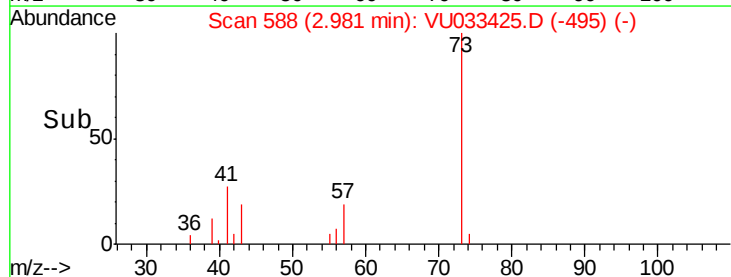
2000

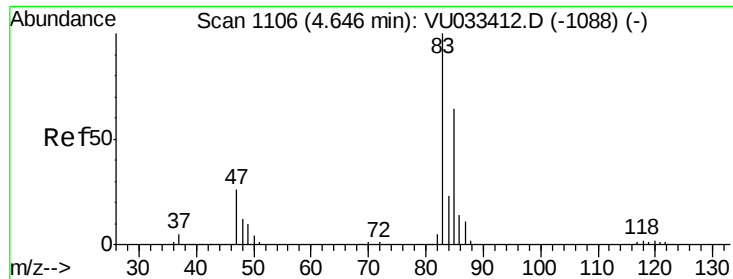
1000

0

2.90 2.95 3.00 3.05

Time-->

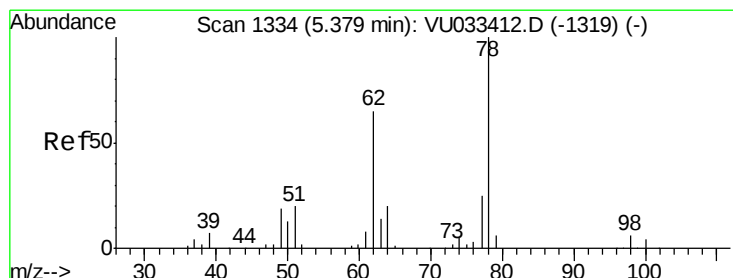
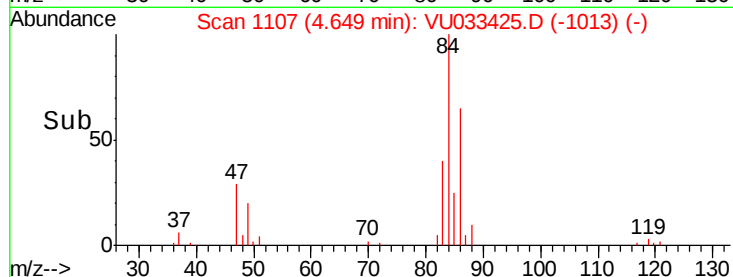
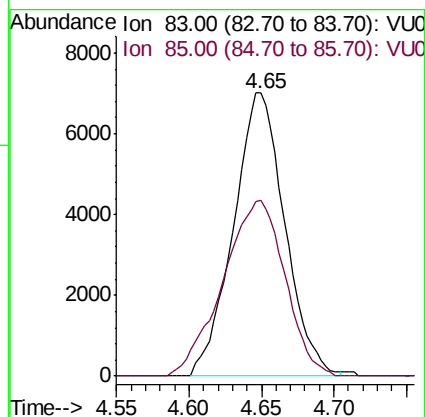
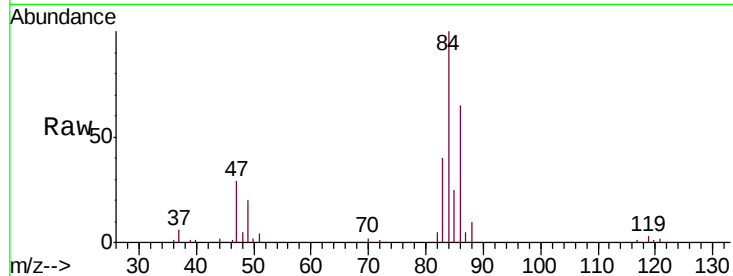




#25
Chloroform
Concen: 4.469 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033425.D
Acq: 25 Jul 2019 21:28

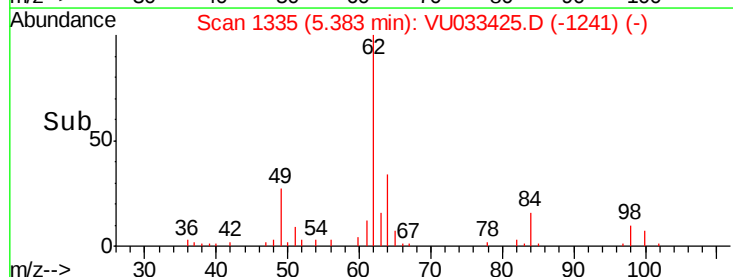
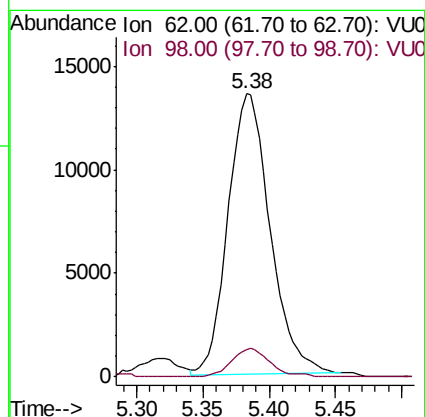
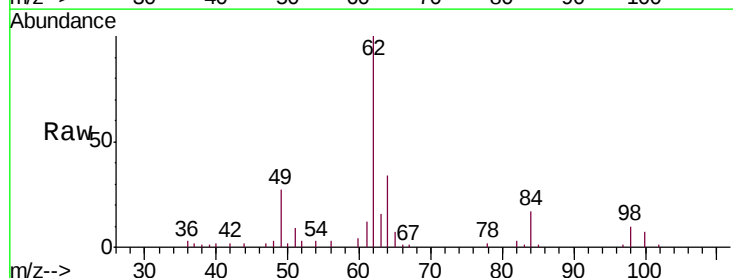
Instrument :
MSVOA_U
ClientSampleId :
C0AA4

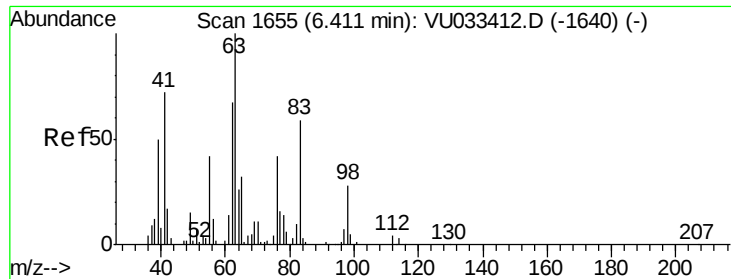
Tgt Ion: 83 Resp: 17253
Ion Ratio Lower Upper
83 100
85 61.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 10.027 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU033425.D
Acq: 25 Jul 2019 21:28

Tgt Ion: 62 Resp: 29973
Ion Ratio Lower Upper
62 100
98 9.8 7.0 10.6





#37

1,2-Dichloropropane

Concen: 6.097 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.10 min

Lab File: VU033425.D

Acq: 25 Jul 2019 21:28

Instrument :

MSVOA_U

ClientSampleId :

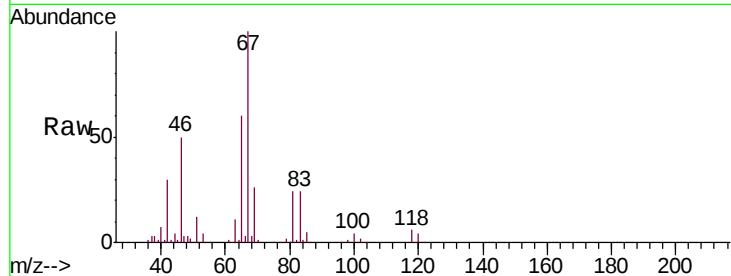
C0AA4

Tgt Ion: 63 Resp: 13582

Ion Ratio Lower Upper

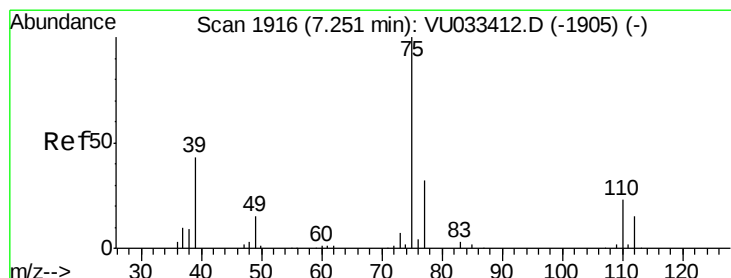
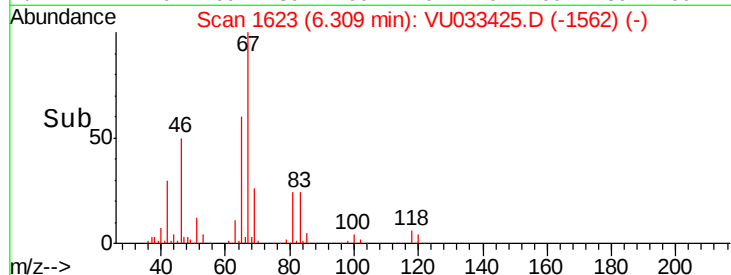
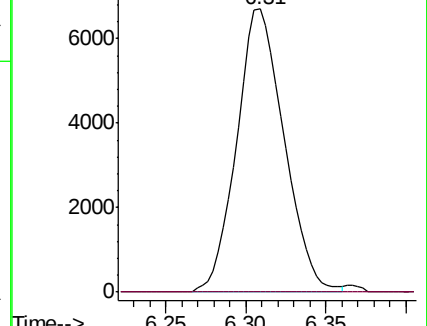
63 100

112 0.3 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VU033412.D (-1640) (-)

Ion 112.00 (111.70 to 112.70): VU033412.D (-1640) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.027 ug/L

RT: 7.21 min Scan# 1903

Delta R.T. -0.04 min

Lab File: VU033425.D

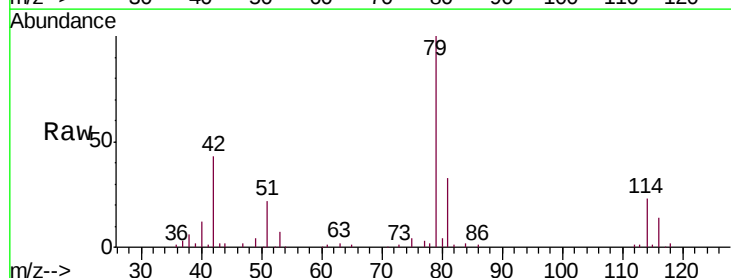
Acq: 25 Jul 2019 21:28

Tgt Ion: 75 Resp: 3509

Ion Ratio Lower Upper

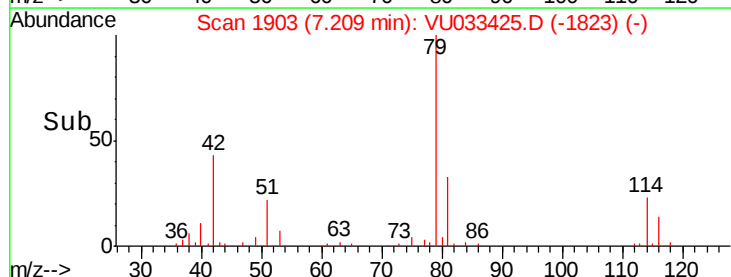
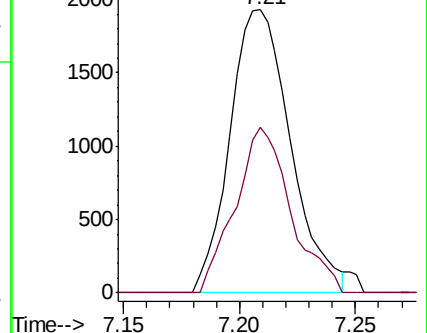
75 100

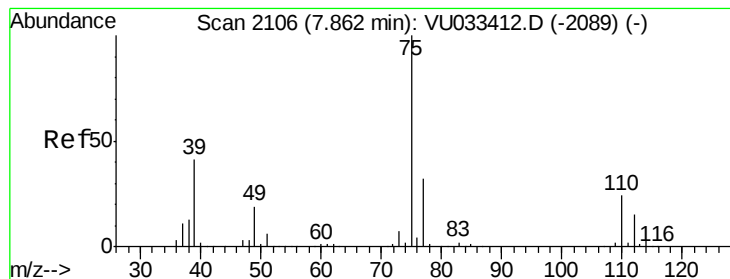
77 58.4 23.1 42.9#



Abundance Ion 75.00 (74.70 to 75.70): VU033412.D (-1905) (-)

Ion 77.00 (76.70 to 77.70): VU033412.D (-1905) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.822 ug/L

RT: 7.83 min Scan# 2097

Delta R.T. -0.03 min

Lab File: VU033425.D

Acq: 25 Jul 2019 21:28

Instrument :

MSVOA_U

ClientSampleId :

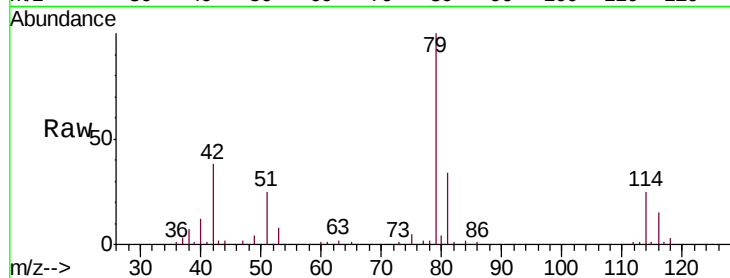
C0AA4

Tgt Ion: 75 Resp: 2532

Ion Ratio Lower Upper

75 100

77 37.6 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU033412.D (-2089) (-)

Ion 77.00 (76.70 to 77.70): VU033412.D (-2089) (-)

7.83

1500

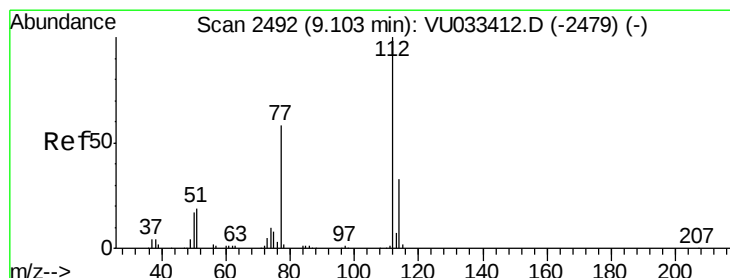
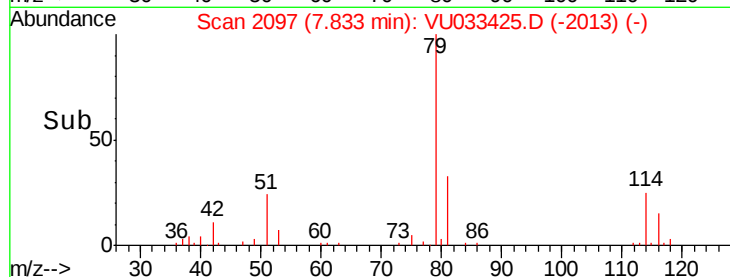
1000

500

0

7.80 7.85

Time-->



#51

Chlorobenzene

Concen: 0.571 ug/L

RT: 9.10 min Scan# 2492

Delta R.T. -0.00 min

Lab File: VU033425.D

Acq: 25 Jul 2019 21:28

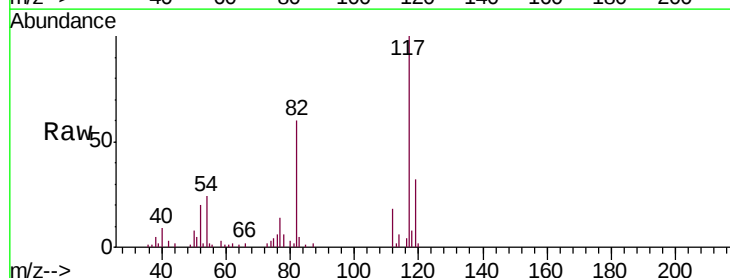
Tgt Ion: 112 Resp: 3302

Ion Ratio Lower Upper

112 100

114 33.7 22.3 41.3

77 77.4 47.2 70.8#



Abundance Ion 112.00 (111.70 to 112.70): VU033412.D (-2479) (-)

Ion 114.00 (113.70 to 114.70): VU033412.D (-2479) (-)

Ion 77.00 (76.70 to 77.70): VU033412.D (-2479) (-)

2500

2000

1500

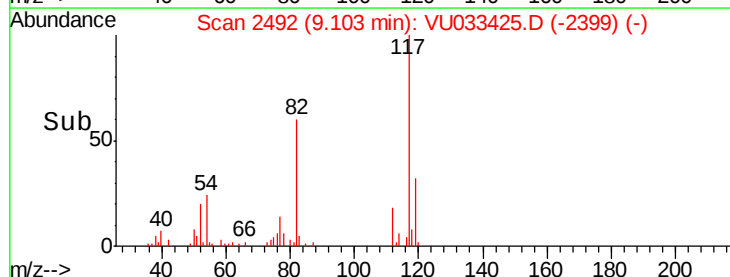
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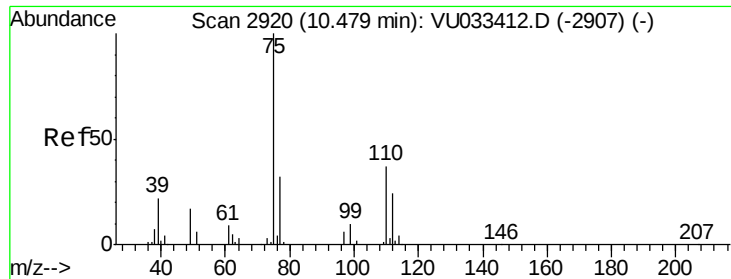
500

0

9.05 9.10 9.15

Time-->





#59

1,2,3-Trichloropropane

Concen: 4.962 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033425.D

Acq: 25 Jul 2019 21:28

Instrument :

MSVOA_U

ClientSampleId :

C0AA4

Tgt Ion: 75 Resp: 14389

Ion Ratio Lower Upper

75 100

77 39.7 26.0 39.0#

