

Data File : VU029286.D
Acq On : 25 Jan 2019 13:38
Operator : JC/SP
Sample : K1246-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0JJ5

Quant Time: Jan 28 02:24:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR012519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jan 28 02:17:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	63726	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	64484	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	29960	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	29943	4.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.20%
7) Chloroethane-d5	1.68	69	22976	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.20%
11) 1,1-Dichloroethene-d2	2.27	63	40558	3.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.80%
20) 2-Butanone-d5	4.21	46	69375	55.76	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.52%
24) Chloroform-d	4.64	84	50276	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	5.31	65	29096	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
32) Benzene-d6	5.34	84	94234	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
36) 1,2-Dichloropropane-d6	6.33	67	29965	5.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.00%
41) Toluene-d8	7.56	98	83716	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	7.85	79	12900	5.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.40%
46) 2-Hexanone-d5	8.31	63	63264	56.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.36%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	25069	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	33510	5.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.00%

Target Compounds

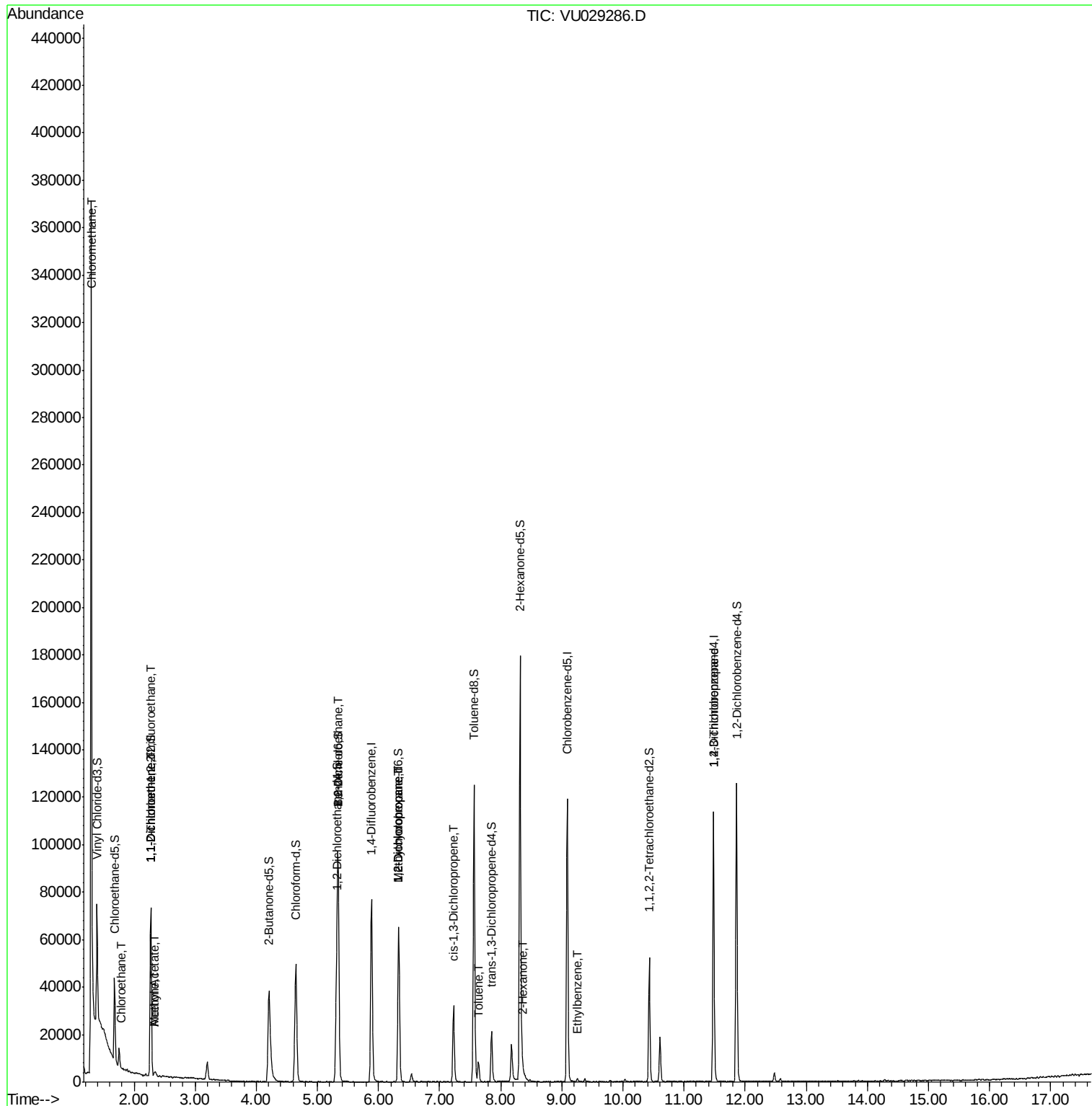
					Qvalue	
3) Chloromethane	1.30	50	4496	0.581	ug/L #	68
8) Chloroethane	1.79	64	620	0.143	ug/L #	50
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	285	0.055	ug/L #	17
12) 1,1-Dichloroethene	2.27	96	390	0.081	ug/L #	1
13) Acetone	2.35	43	2871	3.082	ug/L	85
15) Methyl Acetate	2.35	43	2614	1.171	ug/L #	51
27) 1,2-Dichloroethane	5.34	62	436	0.065	ug/L #	77
35) Methylcyclohexane	6.33	83	7569	0.889	ug/L #	17
37) 1,2-Dichloropropane	6.33	63	3530	0.665	ug/L #	85
39) cis-1,3-Dichloropropene	7.22	75	872	0.114	ug/L	88
42) Toluene	7.64	91	6563	0.302	ug/L	97
48) 2-Hexanone	8.37	43	697	0.299	ug/L #	88
52) Ethylbenzene	9.25	91	1390	0.058	ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	3505	0.959	ug/L	89

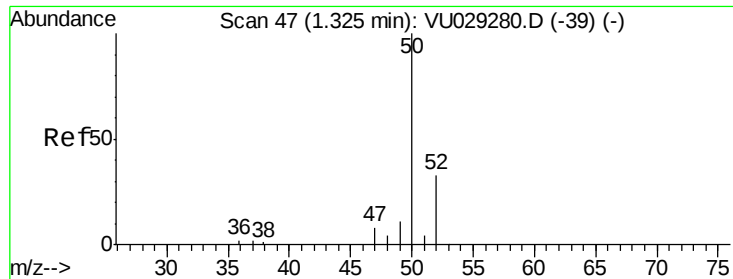
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.581 ug/L

RT: 1.30 min Scan# 39

Delta R.T. -0.03 min

Lab File: VU029286.D

Acq: 25 Jan 2019 13:38

Instrument :

MSVOA_U

ClientSampleId :

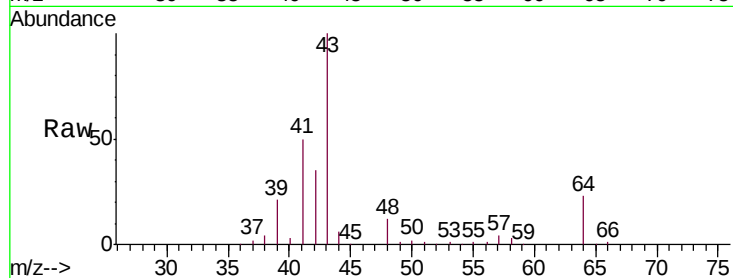
C0JJ5

Tgt Ion: 50 Resp: 4496

Ion Ratio Lower Upper

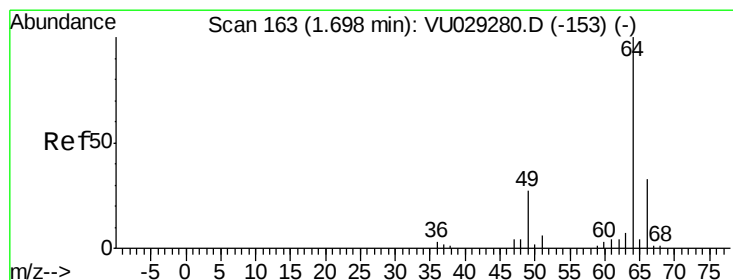
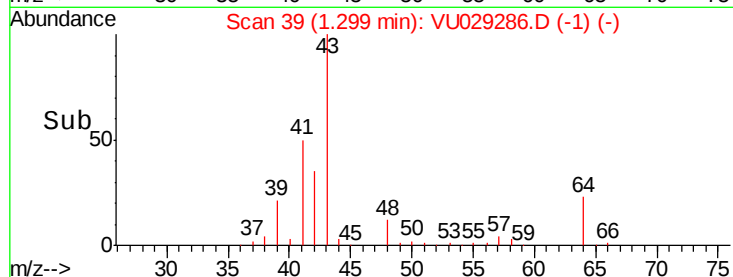
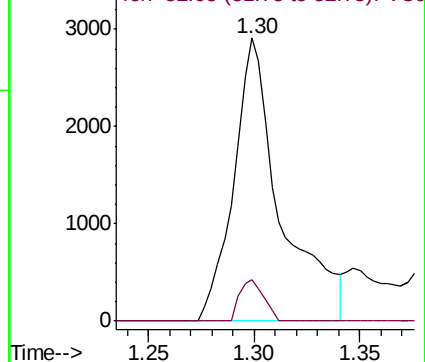
50 100

52 14.5 22.9 42.5#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.143 ug/L

RT: 1.79 min Scan# 192

Delta R.T. 0.09 min

Lab File: VU029286.D

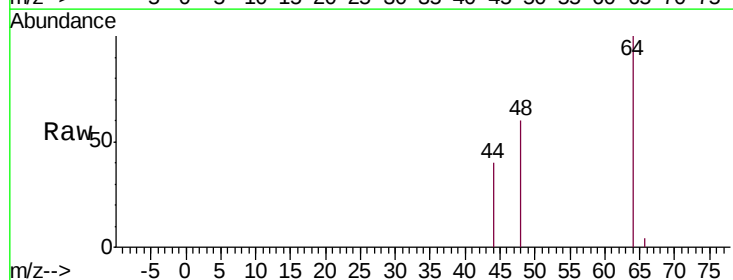
Acq: 25 Jan 2019 13:38

Tgt Ion: 64 Resp: 620

Ion Ratio Lower Upper

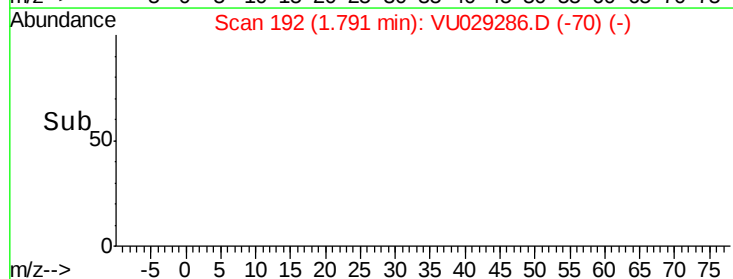
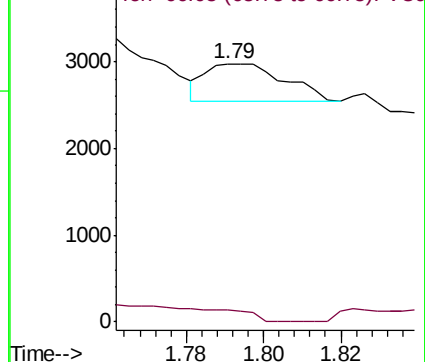
64 100

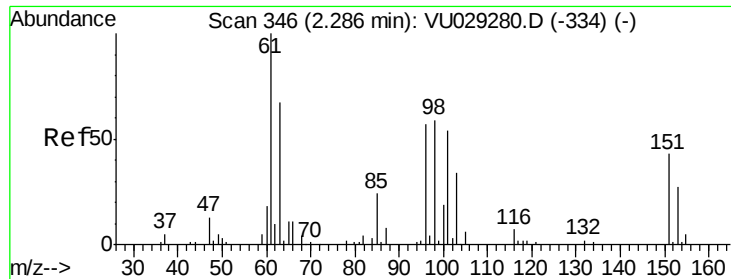
66 4.4 22.7 42.1#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#10

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

Concen: 0.055 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU029286.D

Acq: 25 Jan 2019 13:38

Instrument :

MSVOA_U

ClientSampleId :

C0JJ5

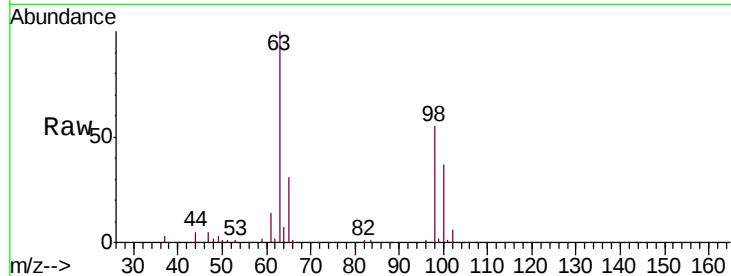
Tgt Ion: 101 Resp: 285

Ion Ratio Lower Upper

101 100

85 0.0 36.2 54.2#

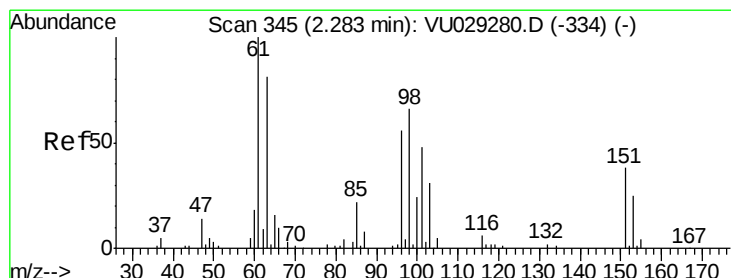
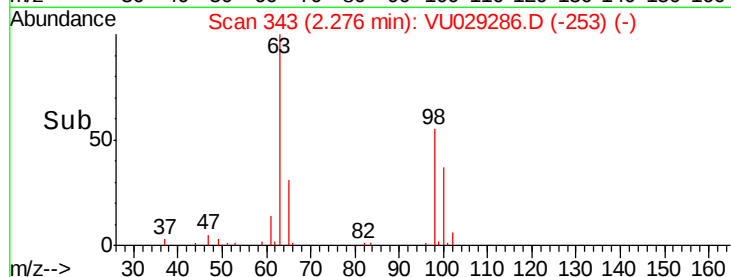
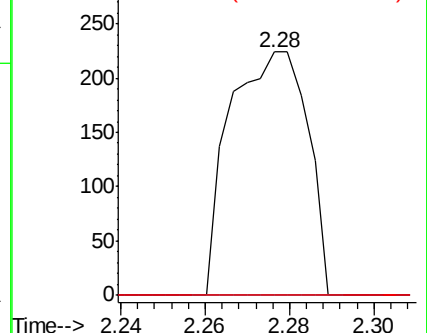
151 0.0 64.5 96.7#



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: 0.081 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU029286.D

Acq: 25 Jan 2019 13:38

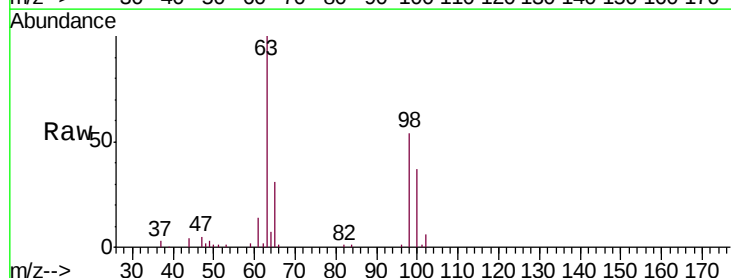
Tgt Ion: 96 Resp: 390

Ion Ratio Lower Upper

96 100

61 1499.2 125.4 233.0#

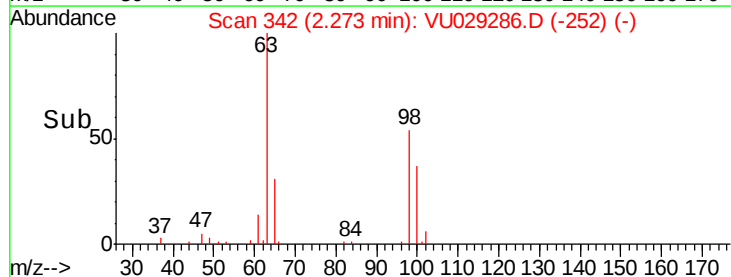
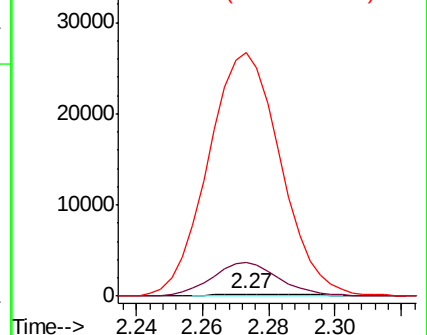
63 10848.8 105.8 196.4#

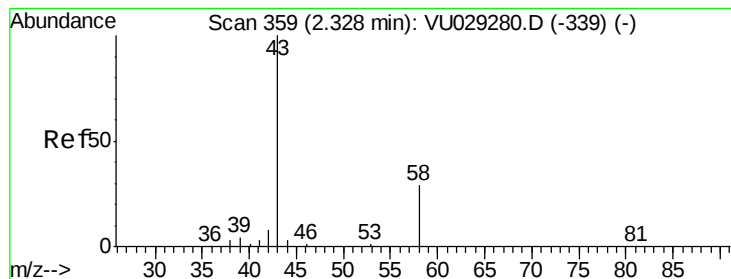


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.082 ug/L

RT: 2.35 min Scan# 365

Delta R.T. 0.02 min

Lab File: VU029286.D

Acq: 25 Jan 2019 13:38

Instrument :

MSVOA_U

ClientSampleId :

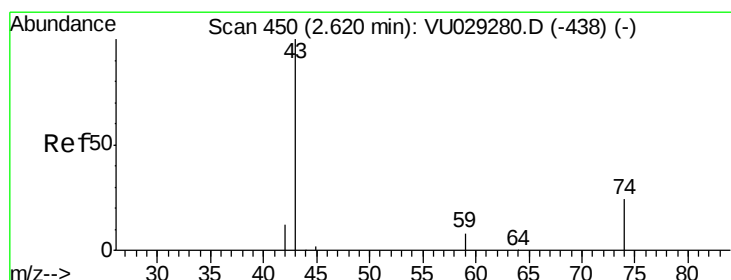
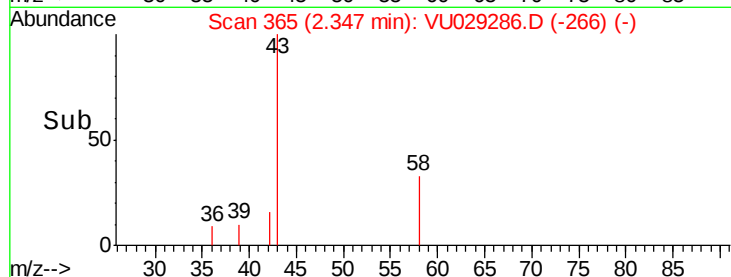
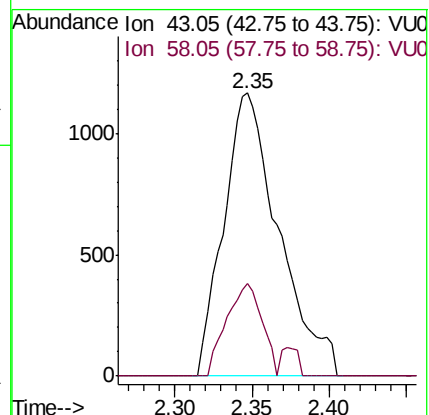
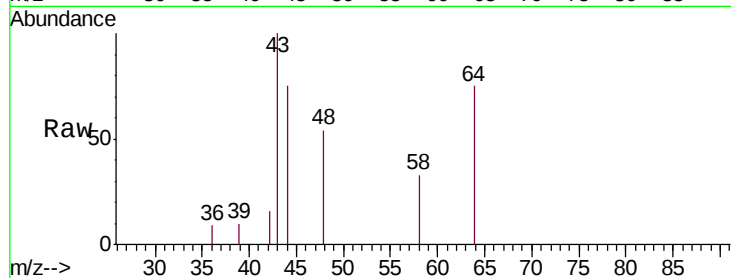
C0JJ5

Tgt Ion: 43 Resp: 2871

Ion Ratio Lower Upper

43 100

58 21.1 0.0 58.8



#15

Methyl Acetate

Concen: 1.171 ug/L

RT: 2.35 min Scan# 365

Delta R.T. -0.27 min

Lab File: VU029286.D

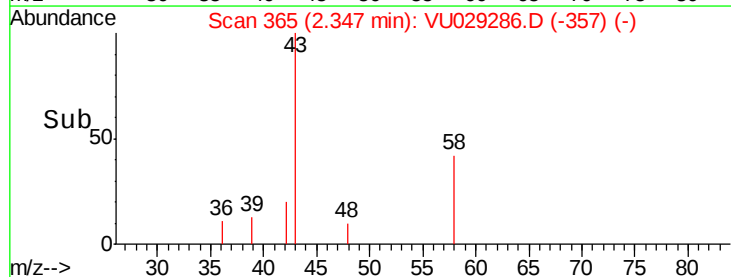
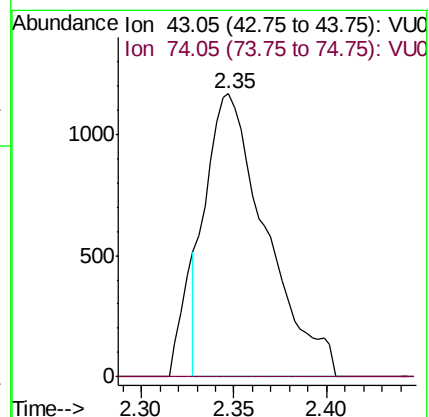
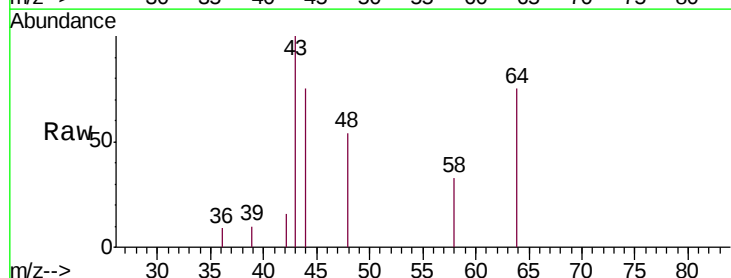
Acq: 25 Jan 2019 13:38

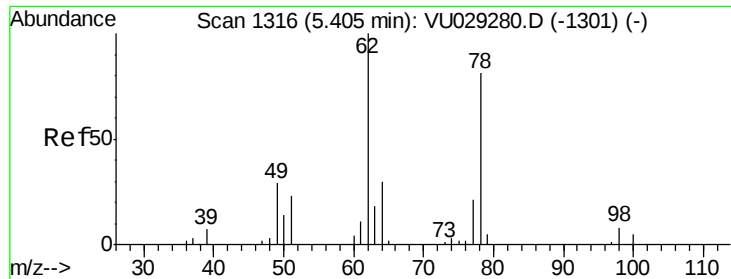
Tgt Ion: 43 Resp: 2614

Ion Ratio Lower Upper

43 100

74 0.0 19.5 29.3#

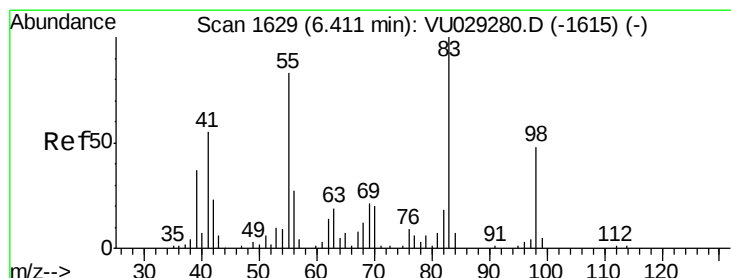
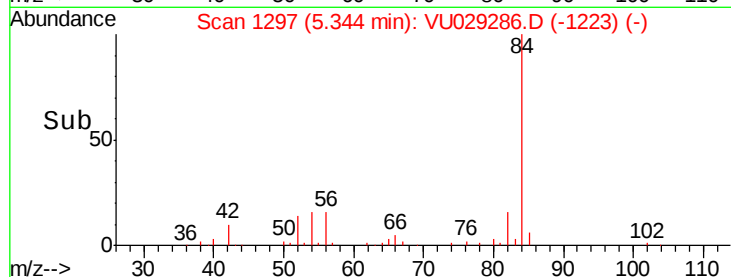
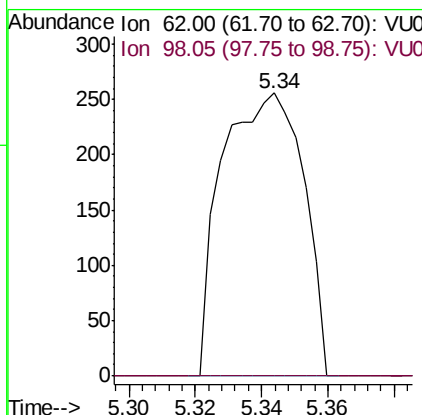
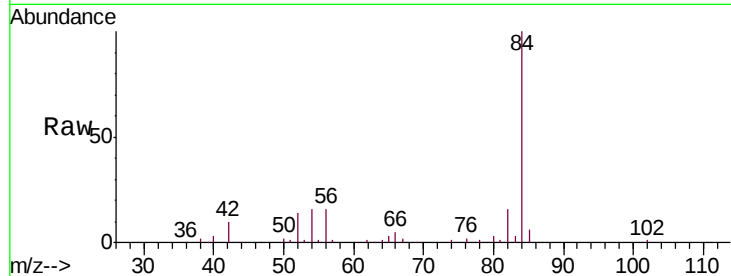




#27
 1,2-Dichloroethane
 Concen: 0.065 ug/L
 RT: 5.34 min Scan# 1297
 Delta R.T. -0.06 min
 Lab File: VU029286.D
 Acq: 25 Jan 2019 13:38

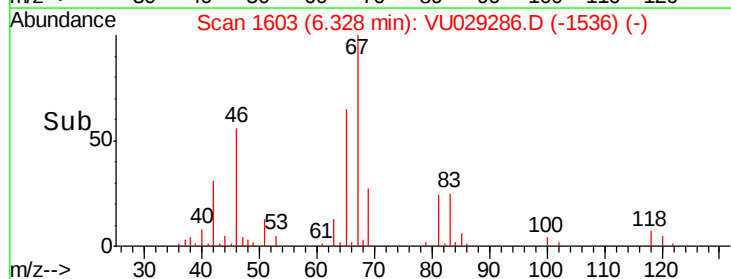
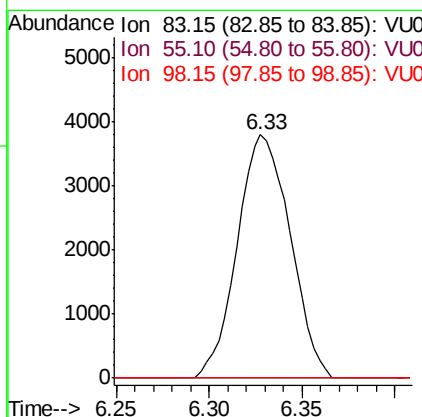
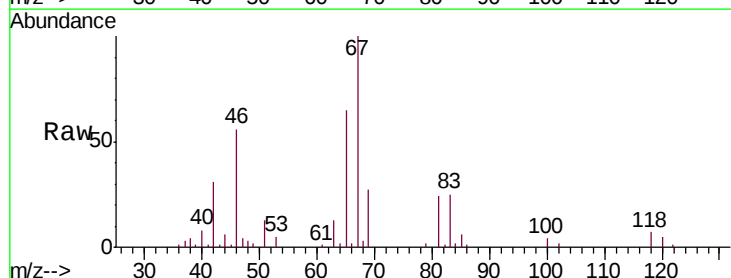
Instrument :
 MSVOA_U
 ClientSampleId :
 C0JJ5

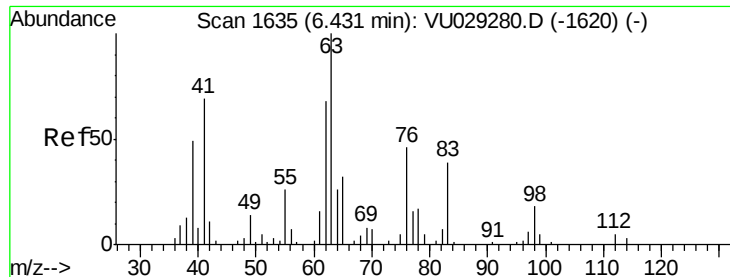
Tgt Ion: 62 Resp: 436
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#35
 Methylcyclohexane
 Concen: 0.889 ug/L
 RT: 6.33 min Scan# 1603
 Delta R.T. -0.08 min
 Lab File: VU029286.D
 Acq: 25 Jan 2019 13:38

Tgt Ion: 83 Resp: 7569
 Ion Ratio Lower Upper
 83 100
 55 1.6 66.3 99.5#
 98 0.0 37.9 56.9#

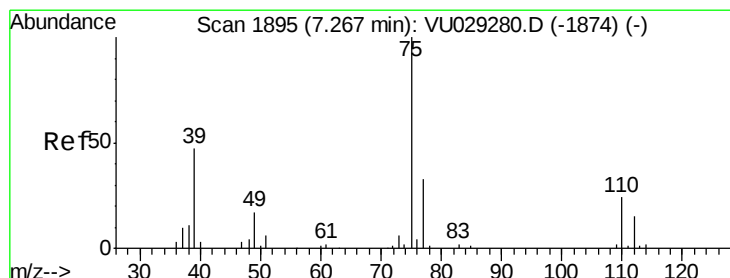
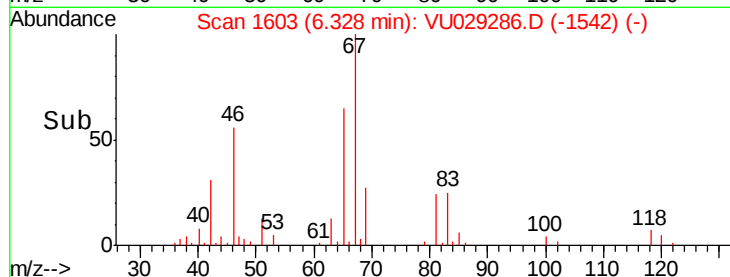
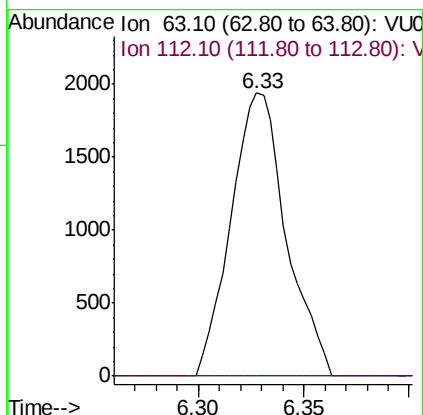
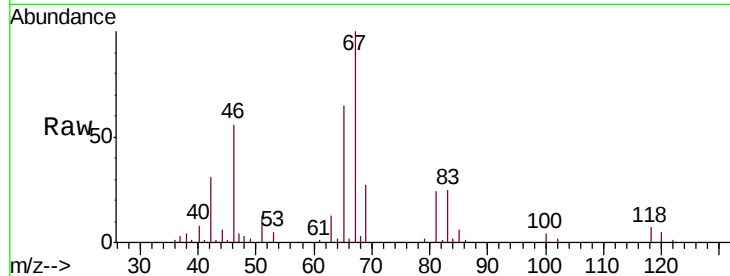




#37
 1,2-Dichloropropane
 Concen: 0.665 ug/L
 RT: 6.33 min Scan# 1603
 Delta R.T. -0.10 min
 Lab File: VU029286.D
 Acq: 25 Jan 2019 13:38

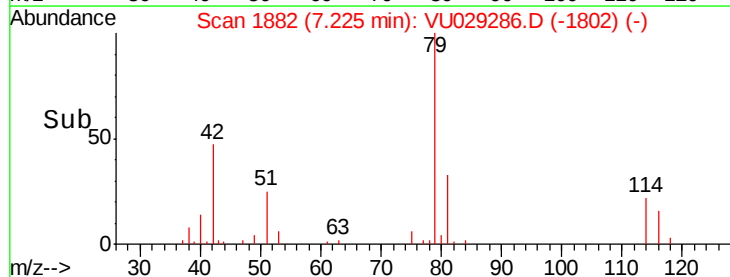
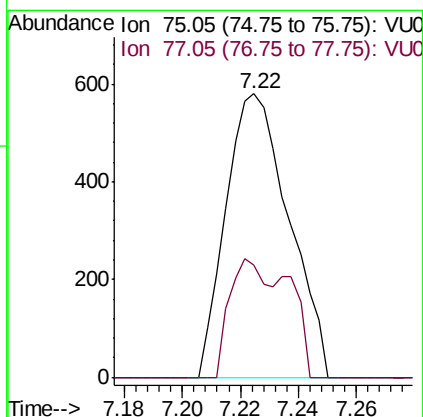
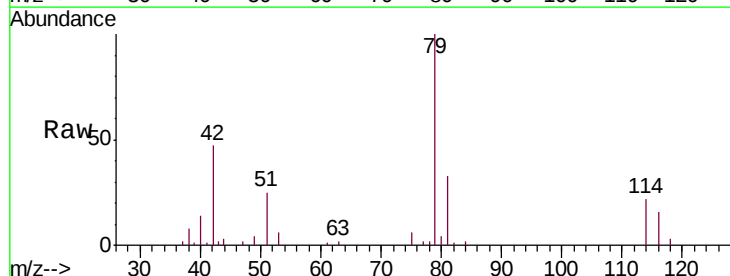
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 ClientSampleId :
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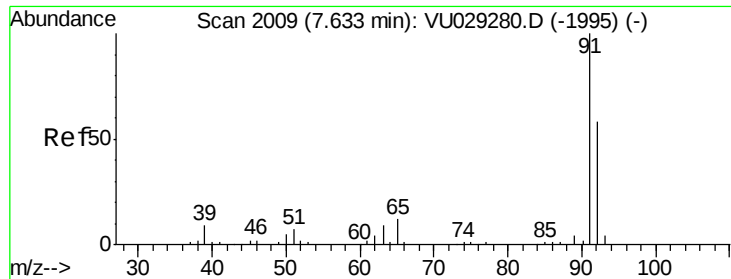
Tgt Ion: 63 Resp: 3530
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.9 5.9#



#39
 cis-1,3-Dichloropropene
 Concen: 0.114 ug/L
 RT: 7.22 min Scan# 1882
 Delta R.T. -0.04 min
 Lab File: VU029286.D
 Acq: 25 Jan 2019 13:38

Tgt Ion: 75 Resp: 872
 Ion Ratio Lower Upper
 75 100
 77 39.7 23.2 43.0





#42

Toluene

Concen: 0.302 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU029286.D

Acq: 25 Jan 2019 13:38

Instrument :

MSVOA_U

ClientSampleId :

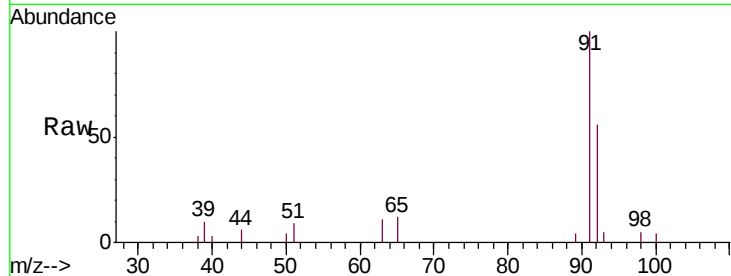
C0JJ5

Tgt Ion: 91 Resp: 6563

Ion Ratio Lower Upper

91 100

92 56.1 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU029280.D (-1995) (-)

Ion 92.15 (91.85 to 92.85): VU029280.D (-1995) (-)

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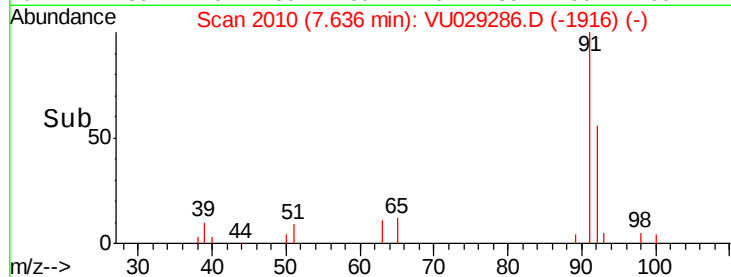
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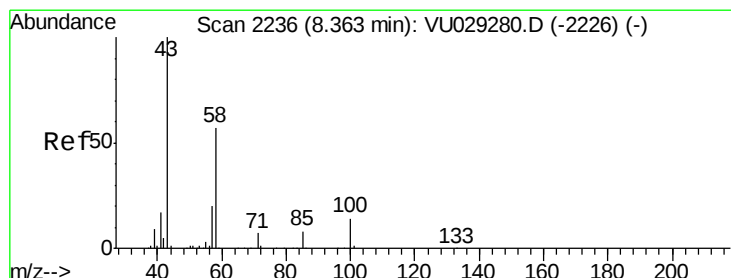
7.64

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Time-->



#48

2-Hexanone

Concen: 0.299 ug/L

RT: 8.37 min Scan# 2237

Delta R.T. 0.00 min

Lab File: VU029286.D

Acq: 25 Jan 2019 13:38

Tgt Ion: 43 Resp: 697

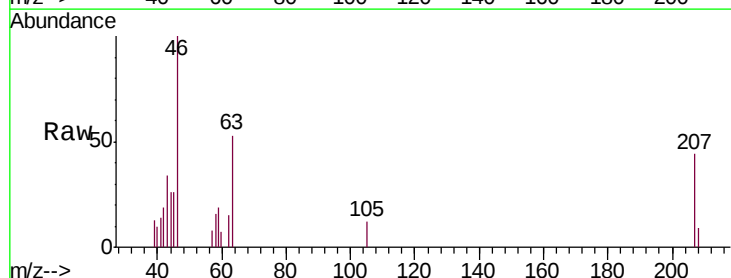
Ion Ratio Lower Upper

43 100

58 63.6 44.2 66.2

57 18.7 15.4 23.2

100 0.0 10.0 15.0#



Abundance Ion 43.05 (42.75 to 43.75): VU029280.D (-2226) (-)

Ion 58.05 (57.75 to 58.75): VU029280.D (-2226) (-)

Ion 57.20 (56.90 to 57.90): VU029280.D (-2226) (-)

Ion 100.15 (99.85 to 100.85): VU029280.D (-2226) (-)

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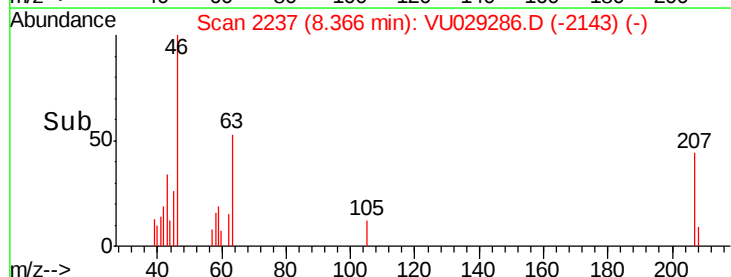
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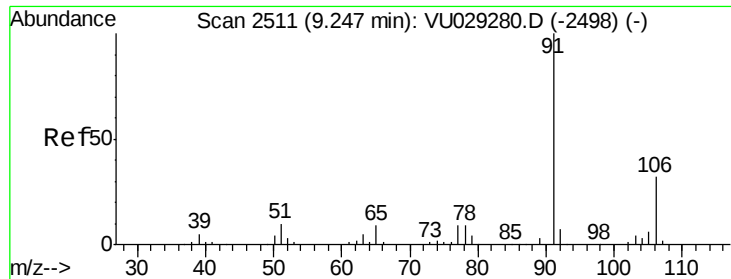
8.37

8.37

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Time-->



#52

Ethylbenzene

Concen: 0.058 ug/L

RT: 9.25 min Scan# 2513

Delta R.T. 0.01 min

Lab File: VU029286.D

Acq: 25 Jan 2019 13:38

Instrument :

MSVOA_U

ClientSampleId :

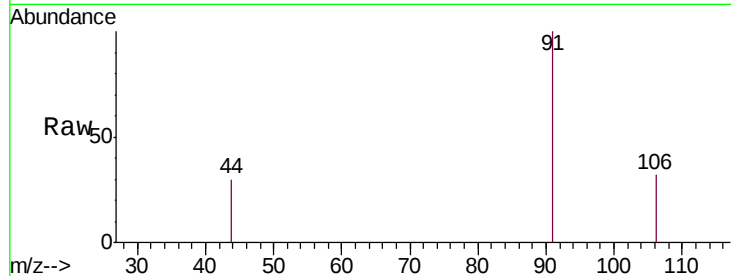
C0JJ5

Tgt Ion: 91 Resp: 1390

Ion Ratio Lower Upper

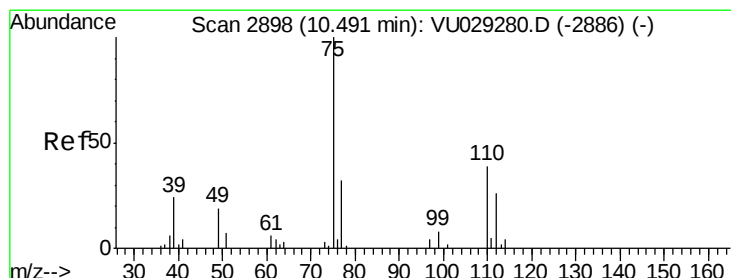
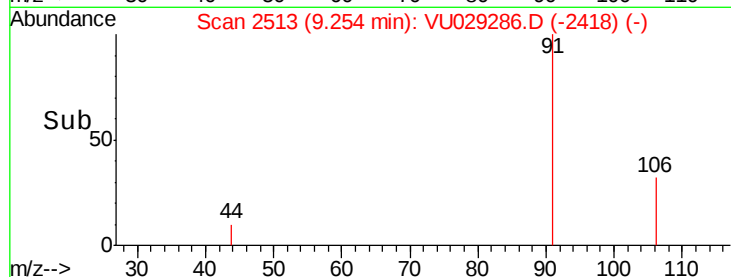
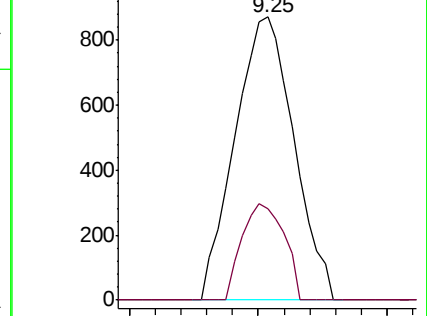
91 100

106 32.5 22.0 41.0



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V



#59

1,2,3-Trichloropropane

Concen: 0.959 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU029286.D

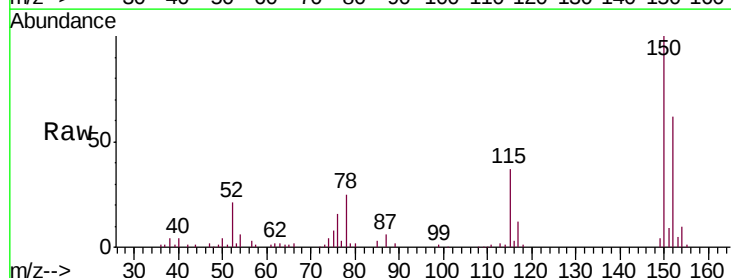
Acq: 25 Jan 2019 13:38

Tgt Ion: 75 Resp: 3505

Ion Ratio Lower Upper

75 100

77 39.2 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

