

Data File : VU032513.D
Acq On : 06 Jun 2019 21:32
Operator : JC/SP
Sample : K3215-02MS
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB8K9MS

Quant Time: Jun 07 05:53:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 07 05:48:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	214736	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	199636	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	102994	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	46726	33.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.08%
7) Chloroethane-d5	1.67	69	42750	38.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.36%
11) 1,1-Dichloroethene-d2	2.27	63	109368	40.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.18%
21) 2-Butanone-d5	4.17	46	111859	95.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.94%
24) Chloroform-d	4.64	84	113612	43.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.44%
26) 1,2-Dichloroethane-d4	5.30	65	77928	47.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.22%
32) Benzene-d6	5.33	84	237559	45.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.68%
36) 1,2-Dichloropropane-d6	6.32	67	75925	46.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.44%
41) Toluene-d8	7.56	98	228370	46.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.94%
43) trans-1,3-Dichloropropene-	7.85	79	34515	44.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.76%
47) 2-Hexanone-d5	8.31	63	75966	96.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.37%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	111765	47.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.92%
64) 1,2-Dichlorobenzene-d4	11.85	152	98330	49.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.68%

Target Compounds

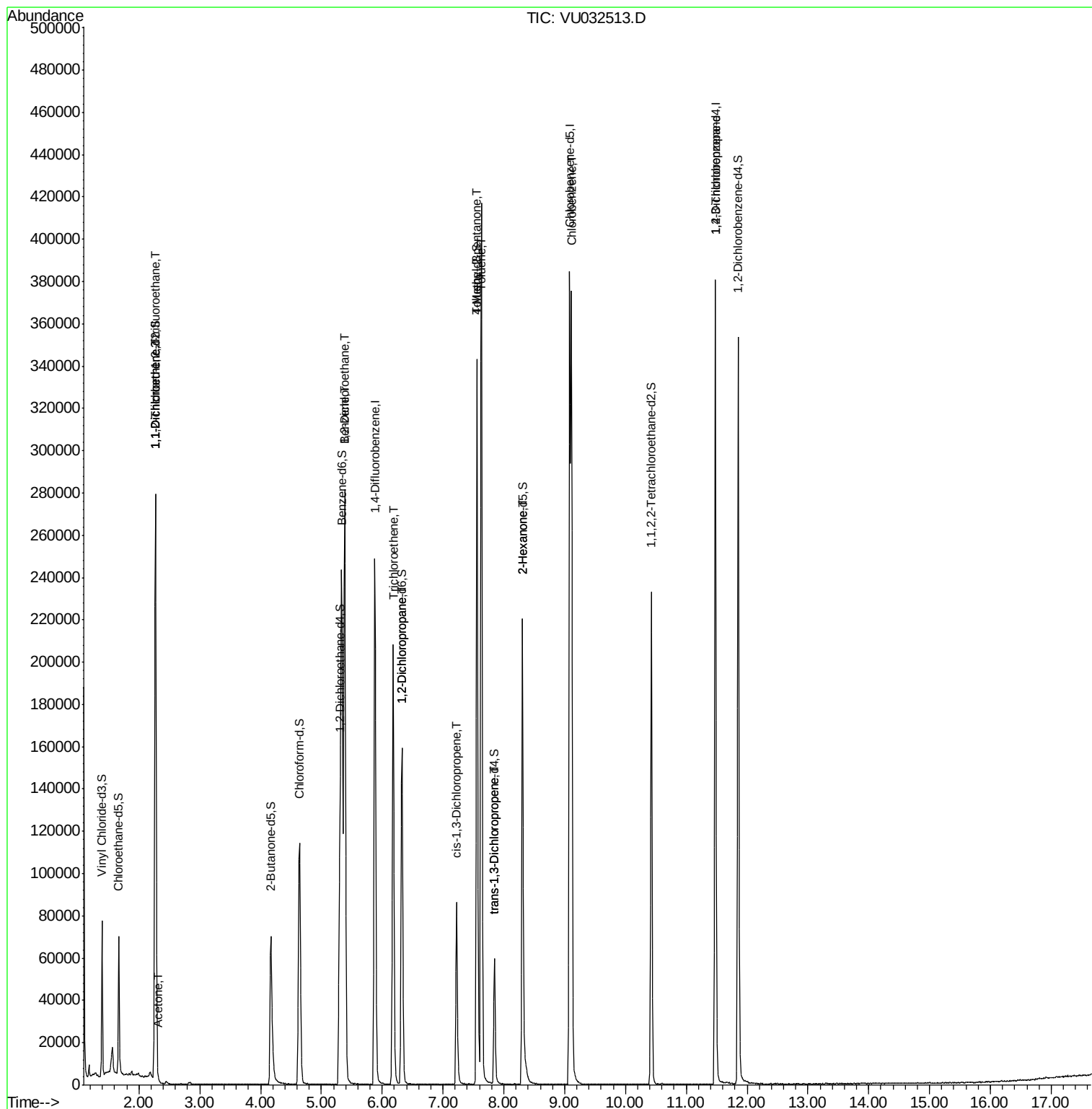
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	815	0.621 ug/L #	18
12) 1,1-Dichloroethene	2.28	96	60175	47.226 ug/L	83
13) Acetone	2.32	43	1016	0.845 ug/L	69
27) 1,2-Dichloroethane	5.38	62	2383	1.160 ug/L #	75
33) Benzene	5.38	78	275026	49.032 ug/L	100
34) Trichloroethene	6.18	95	71294	46.718 ug/L	99
37) 1,2-Dichloropropane	6.32	63	8371	5.630 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2362	1.007 ug/L #	69
40) 4-Methyl-2-pentanone	7.56	43	1144	0.478 ug/L #	1
42) Toluene	7.63	91	300448	48.910 ug/L	98
44) trans-1,3-Dichloropropene	7.85	75	1520	0.730 ug/L	92
48) 2-Hexanone	8.31	43	8911	4.535 ug/L #	72
51) Chlorobenzene	9.11	112	193602	48.918 ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	11784	6.096 ug/L	90

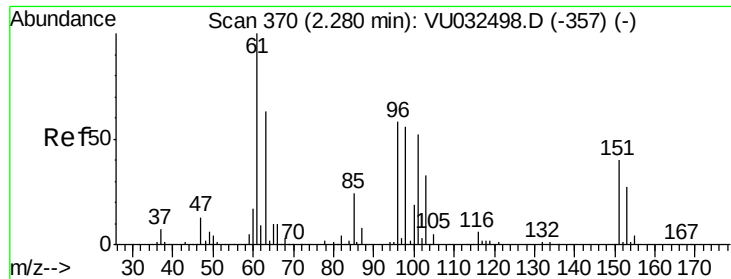
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.621 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

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Instrument :

MSVOA_U

ClientSampleId :

DB8K9MS

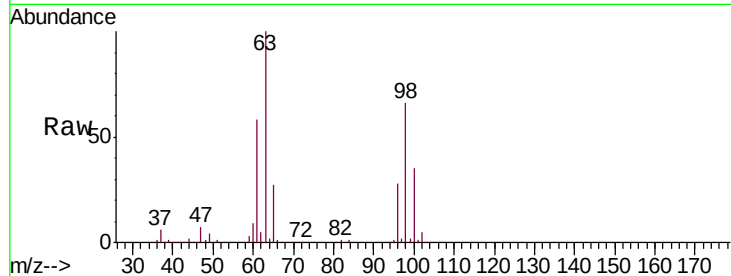
Tgt Ion: 101 Resp: 815

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

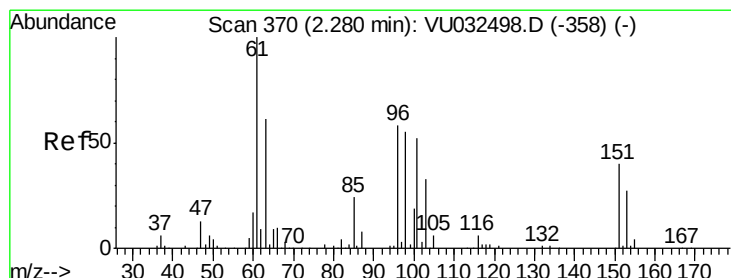
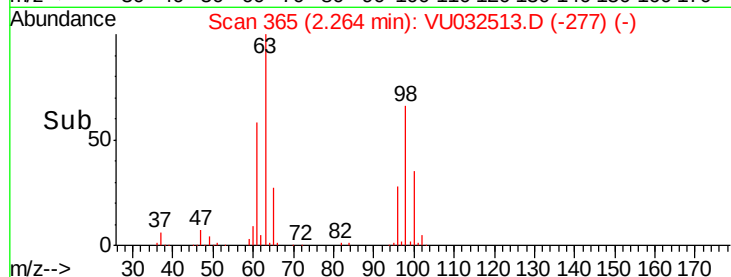
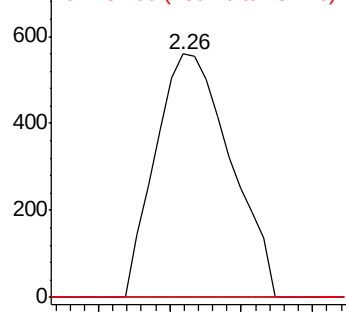
151 0.0 63.0 94.4#



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: 47.226 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032513.D

Acq: 06 Jun 2019 21:32

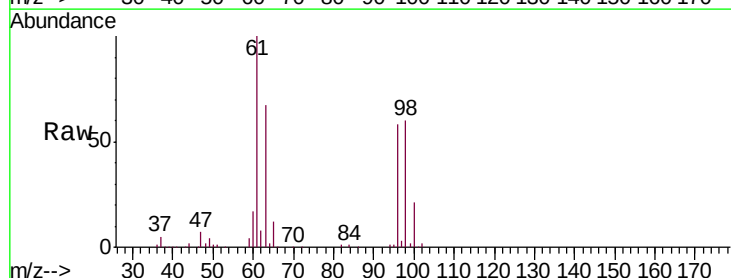
Tgt Ion: 96 Resp: 60175

Ion Ratio Lower Upper

96 100

61 171.0 129.5 240.5

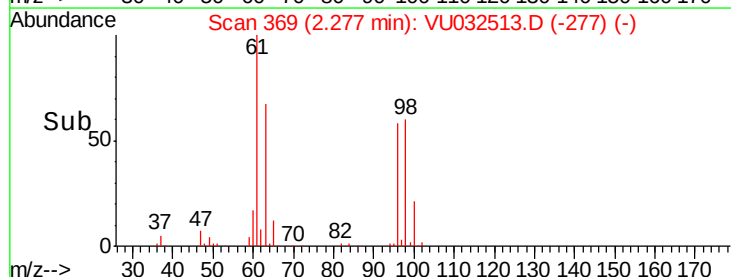
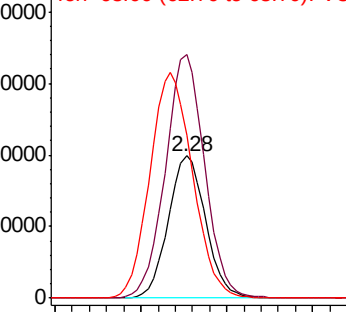
63 114.5 103.4 192.0

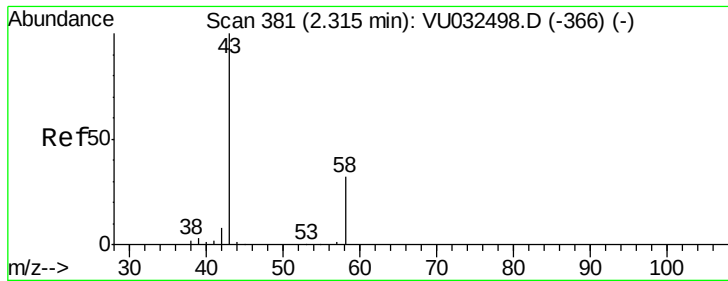


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.845 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032513.D

Acq: 06 Jun 2019 21:32

Instrument :

MSVOA_U

ClientSampleId :

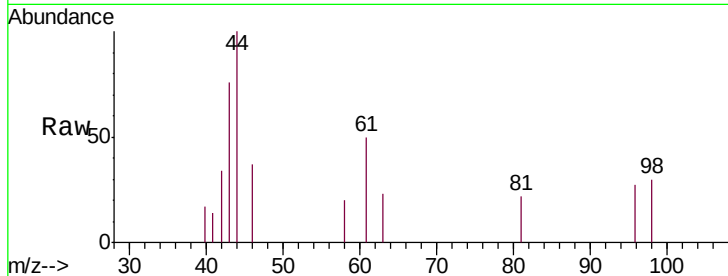
DB8K9MS

Tgt Ion: 43 Resp: 1016

Ion Ratio Lower Upper

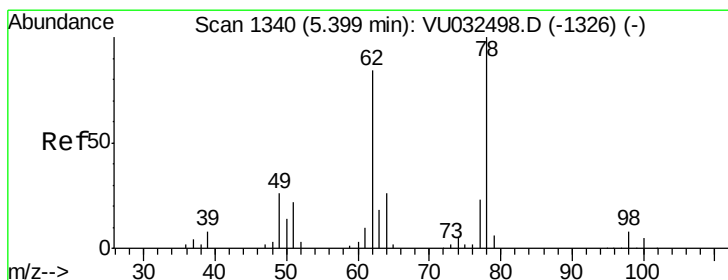
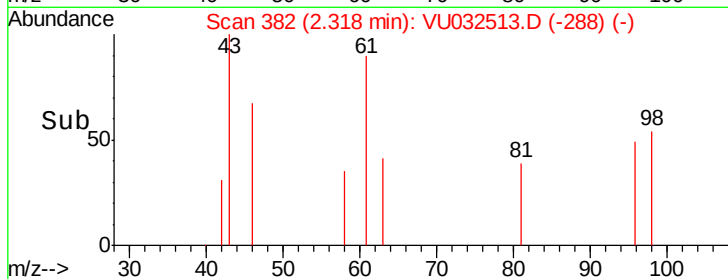
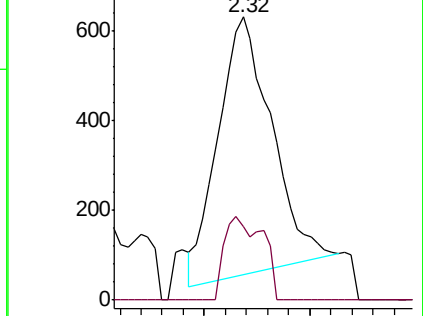
43 100

58 14.9 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032498.D (-366) (-)

Ion 58.00 (57.70 to 58.70): VU032498.D (-366) (-)



#27

1,2-Dichloroethane

Concen: 1.160 ug/L

RT: 5.38 min Scan# 1334

Delta R.T. -0.02 min

Lab File: VU032513.D

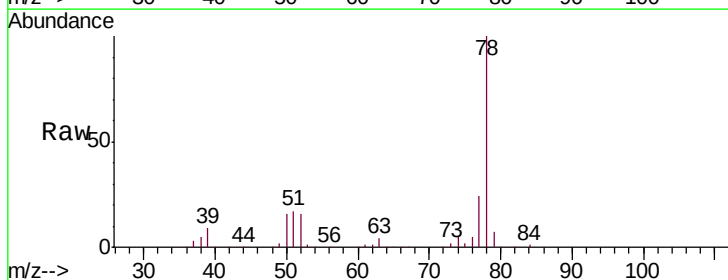
Acq: 06 Jun 2019 21:32

Tgt Ion: 62 Resp: 2383

Ion Ratio Lower Upper

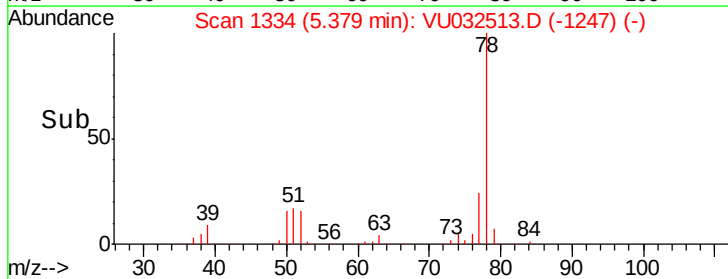
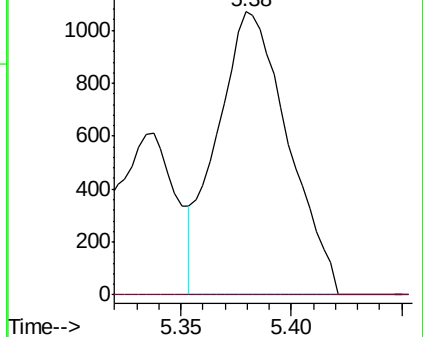
62 100

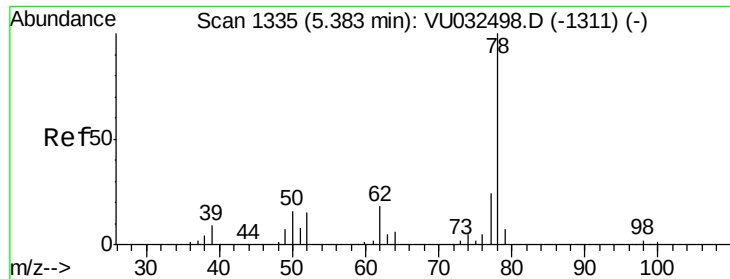
98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU032498.D (-1326) (-)

Ion 98.00 (97.70 to 98.70): VU032498.D (-1326) (-)





#33

Benzene

Concen: 49.032 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU032513.D

Acq: 06 Jun 2019 21:32

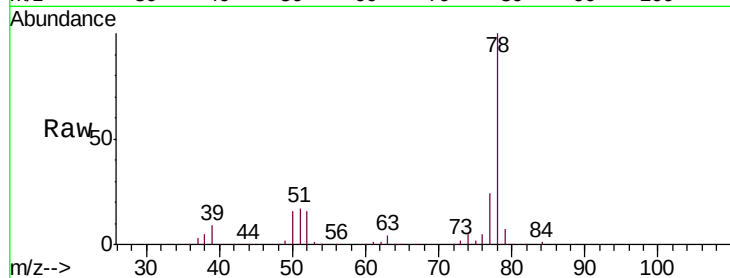
Instrument :

MSVOA_U

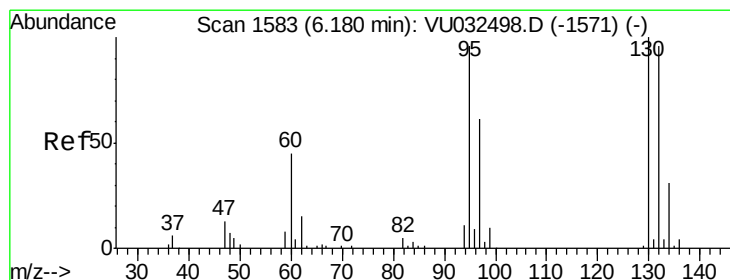
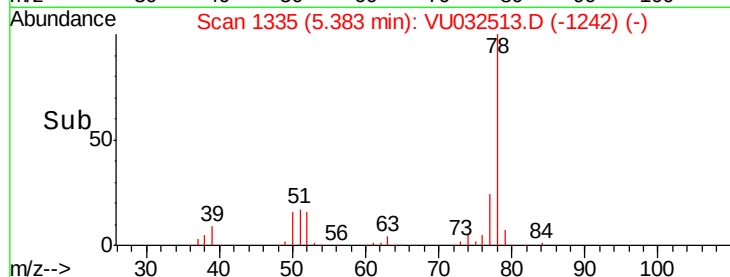
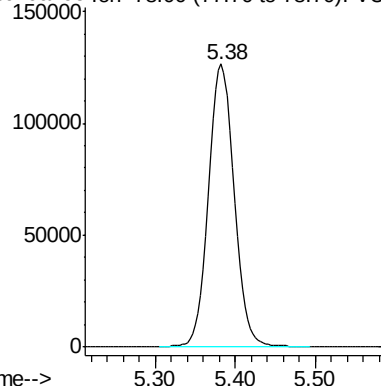
ClientSampleId :

DB8K9MS

Tgt Ion: 78 Resp: 275026



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 46.718 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032513.D

Acq: 06 Jun 2019 21:32

Tgt Ion: 95 Resp: 71294

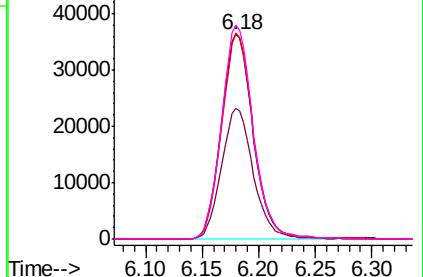
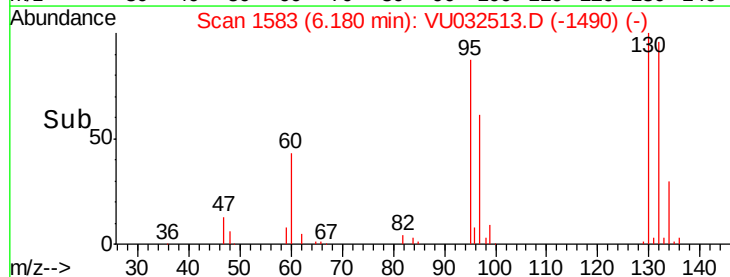
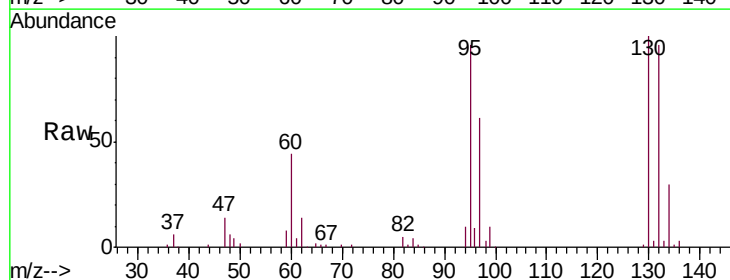
Ion	Ratio	Lower	Upper
95	100		
97	64.1	45.8	85.2
132	100.5	71.0	131.8
130	104.5	73.4	136.2

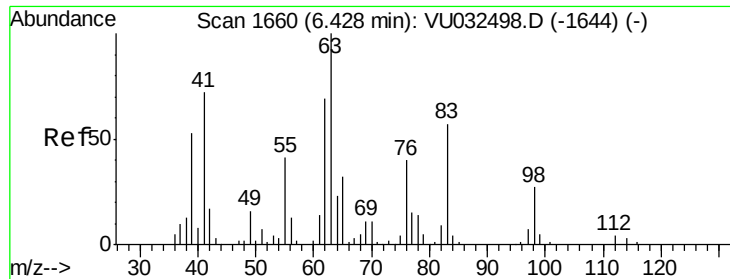
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

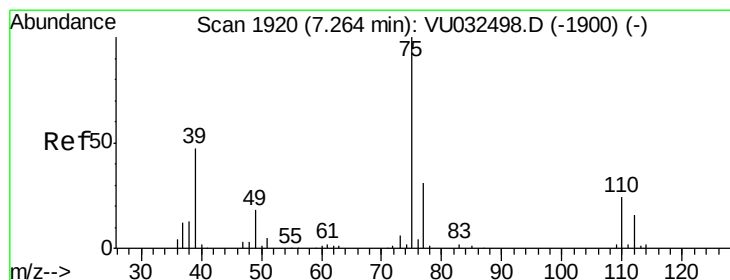
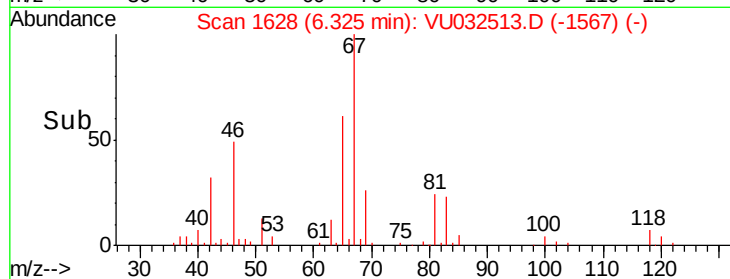
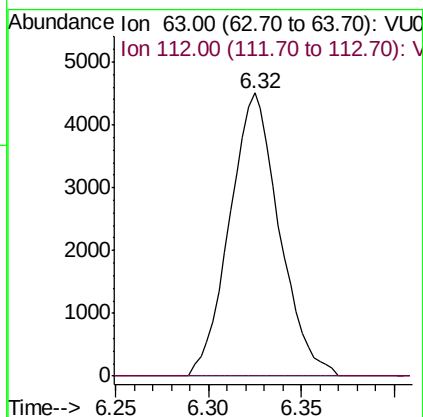
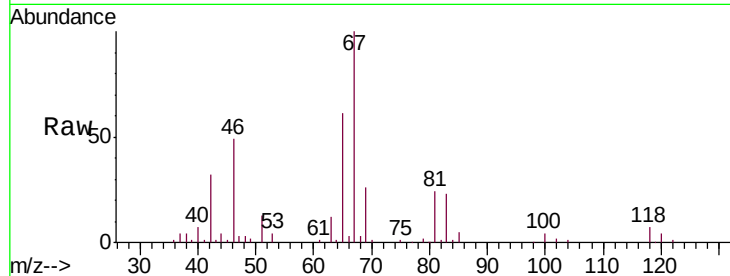




#37
 1,2-Dichloropropane
 Concen: 5.630 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU032513.D
 Acq: 06 Jun 2019 21:32

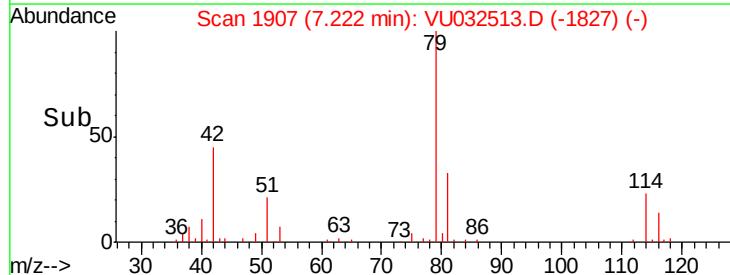
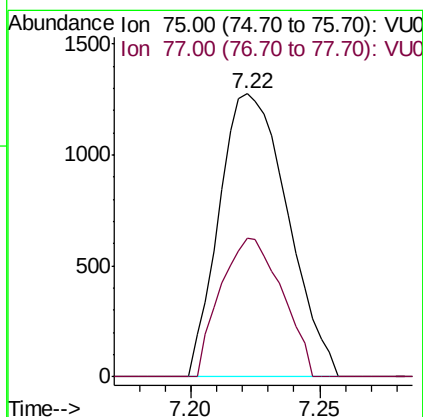
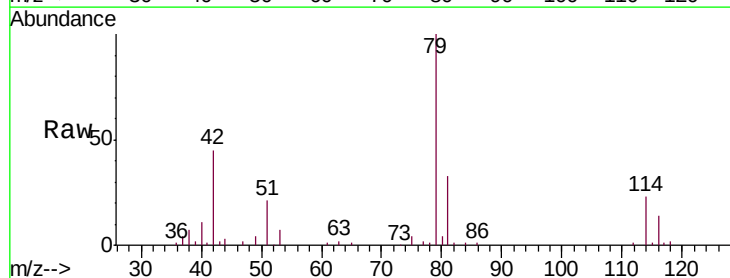
Instrument :
 MSVOA_U
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 DB8K9MS

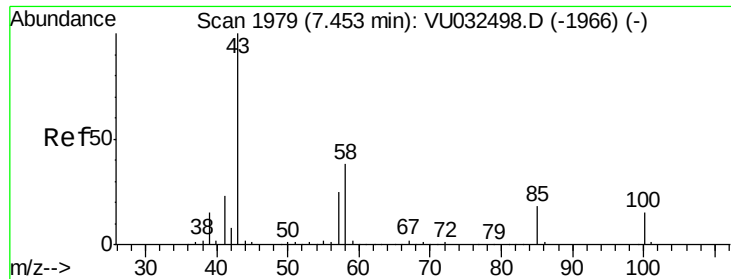
Tgt Ion: 63 Resp: 8371
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 1.007 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU032513.D
 Acq: 06 Jun 2019 21:32

Tgt Ion: 75 Resp: 2362
 Ion Ratio Lower Upper
 75 100
 77 48.9 22.0 41.0#

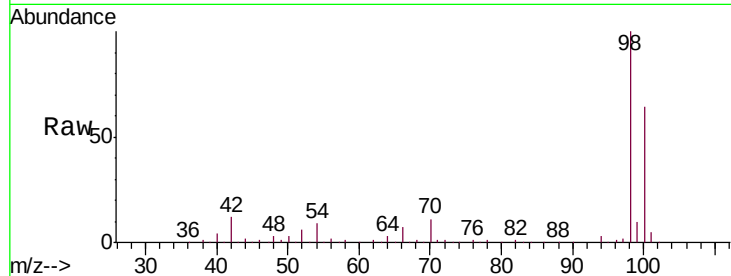




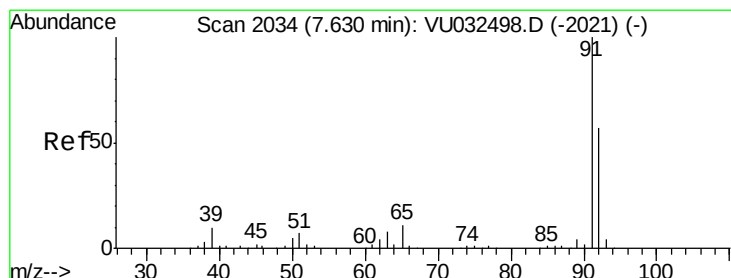
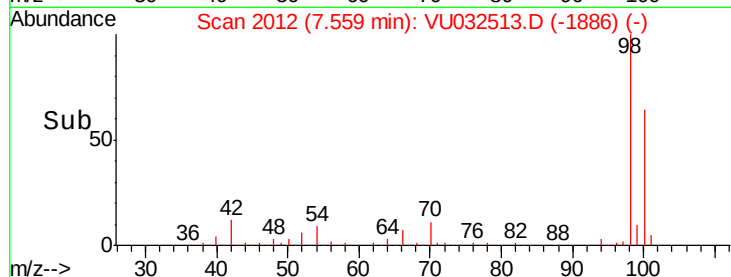
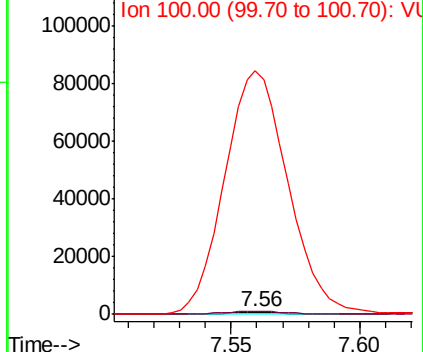
#40
4-Methyl-2-pentanone
Concen: 0.478 ug/L
RT: 7.56 min Scan# 2012
Delta R.T. 0.11 min
Lab File: VU032513.D
Acq: 06 Jun 2019 21:32

Instrument :
MSVOA_U
ClientSampled :
DB8K9MS

Tgt Ion: 43 Resp: 1144
Ion Ratio Lower Upper
43 100
58 161.0 30.8 46.2#
100 12742.3 12.1 18.1#

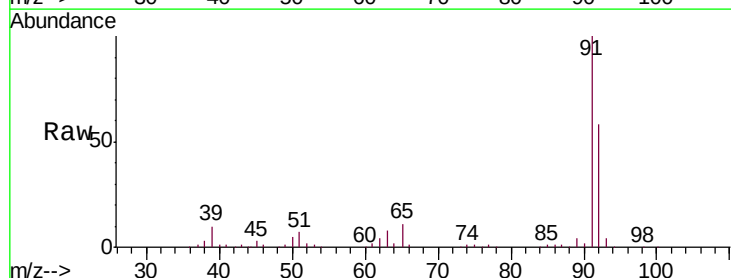


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

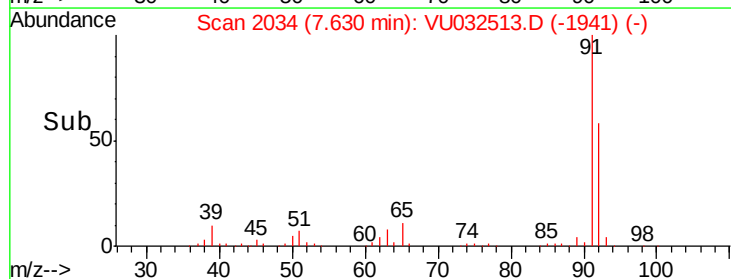
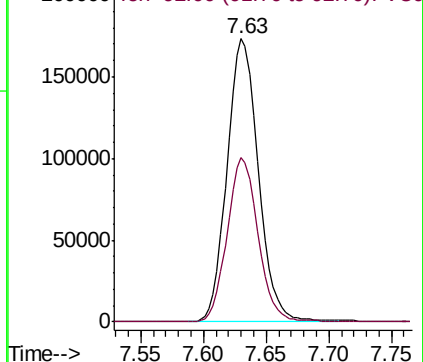


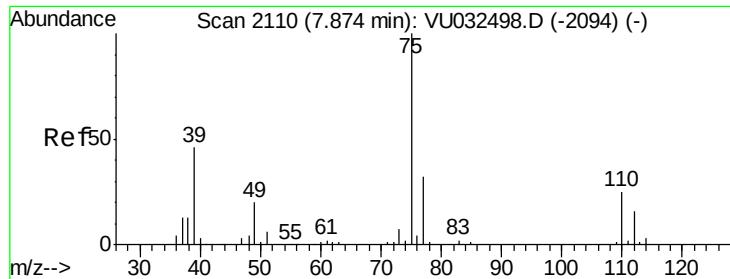
#42
Toluene
Concen: 48.910 ug/L
RT: 7.63 min Scan# 2034
Delta R.T. -0.00 min
Lab File: VU032513.D
Acq: 06 Jun 2019 21:32

Tgt Ion: 91 Resp: 300448
Ion Ratio Lower Upper
91 100
92 57.9 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.730 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU032513.D

Acq: 06 Jun 2019 21:32

Instrument :

MSVOA_U

ClientSampleId :

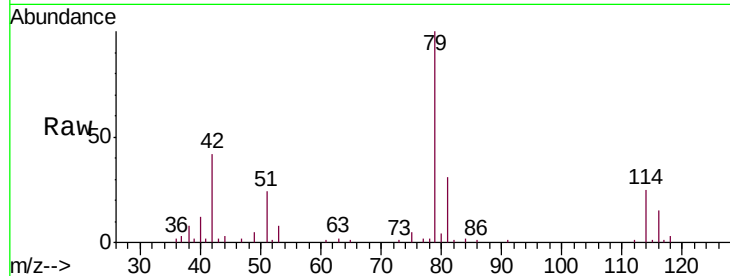
DB8K9MS

Tgt Ion: 75 Resp: 1520

Ion Ratio Lower Upper

75 100

77 35.8 22.1 41.1

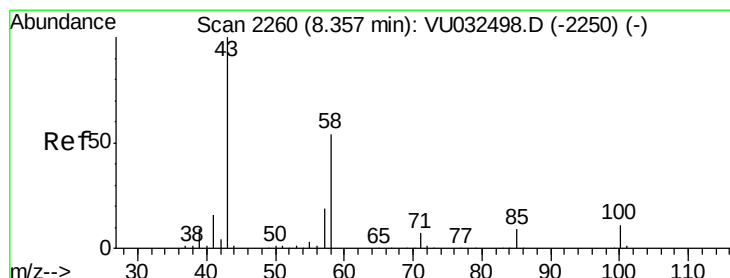
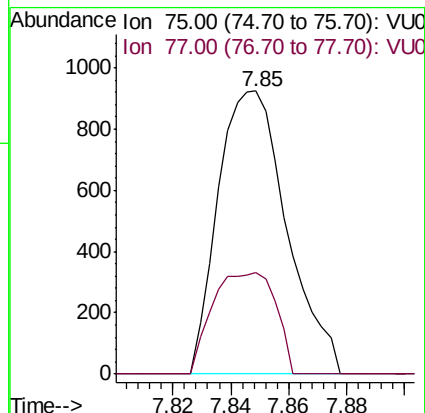
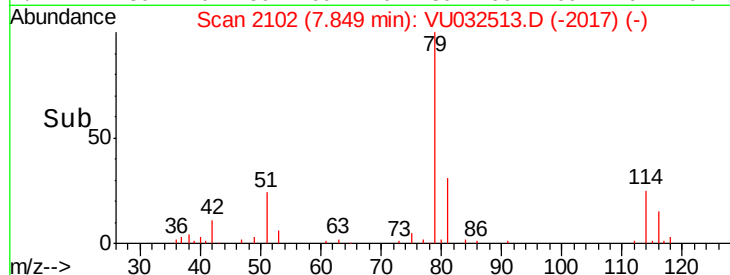


Abundance Ion 75.00 (74.70 to 75.70): VU032498.D (-2094) (-)

Ion 77.00 (76.70 to 77.70): VU032498.D (-2094) (-)

7.85

7.82 7.84 7.86 7.88



#48

2-Hexanone

Concen: 4.535 ug/L

RT: 8.31 min Scan# 2244

Delta R.T. -0.05 min

Lab File: VU032513.D

Acq: 06 Jun 2019 21:32

Tgt Ion: 43 Resp: 8911

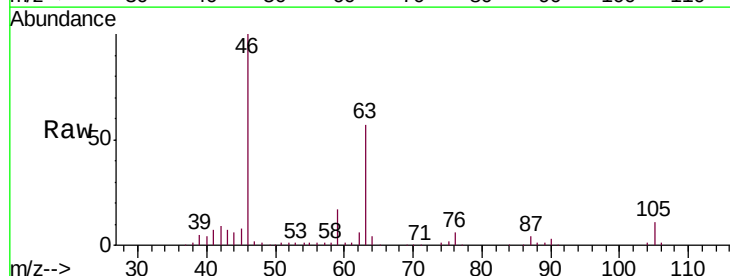
Ion Ratio Lower Upper

43 100

58 28.3 42.0 63.0#

57 22.4 14.6 22.0#

100 0.0 9.2 13.8#



Abundance Ion 43.00 (42.70 to 43.70): VU032498.D (-2250) (-)

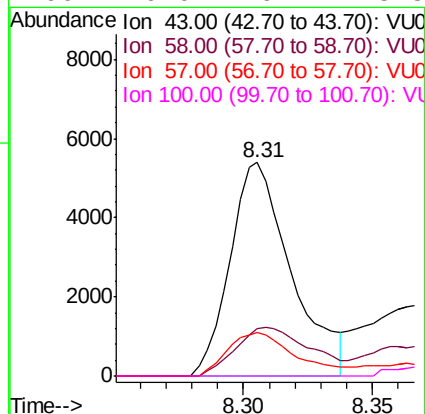
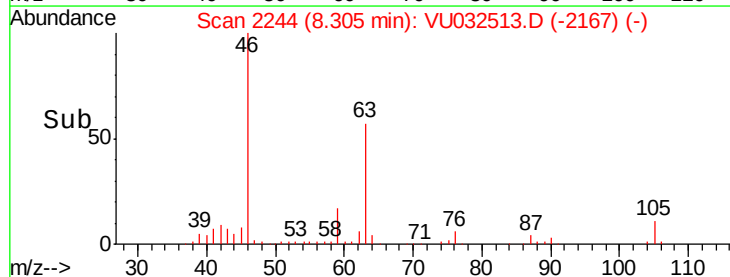
Ion 58.00 (57.70 to 58.70): VU032498.D (-2250) (-)

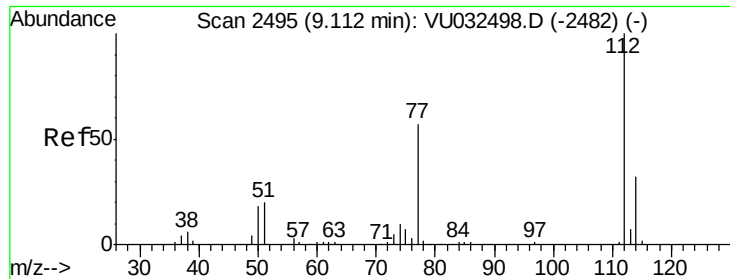
Ion 57.00 (56.70 to 57.70): VU032498.D (-2250) (-)

Ion 100.00 (99.70 to 100.70): VU032498.D (-2250) (-)

8.31

8.30 8.35





#51

Chlorobenzene

Concen: 48.918 ug/L

RT: 9.11 min Scan# 2495

Delta R.T. -0.00 min

Lab File: VU032513.D

Acq: 06 Jun 2019 21:32

Instrument :

MSVOA_U

ClientSampleId :

DB8K9MS

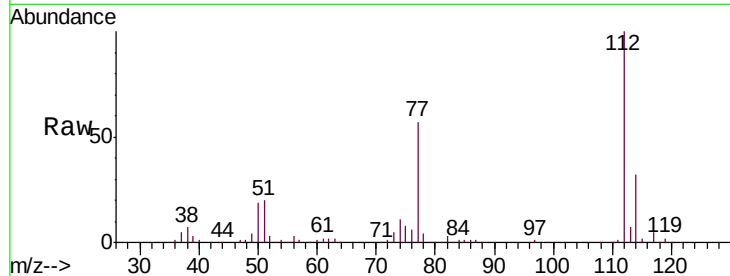
Tgt Ion: 112 Resp: 193602

Ion Ratio Lower Upper

112 100

114 32.3 22.6 42.0

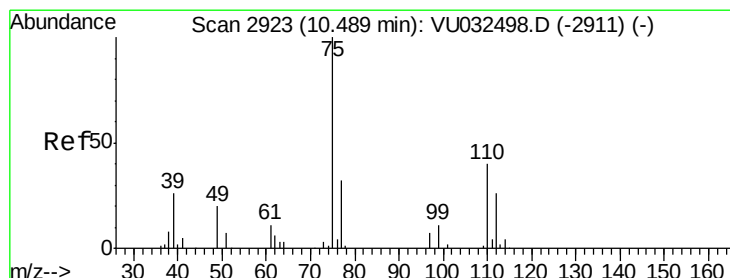
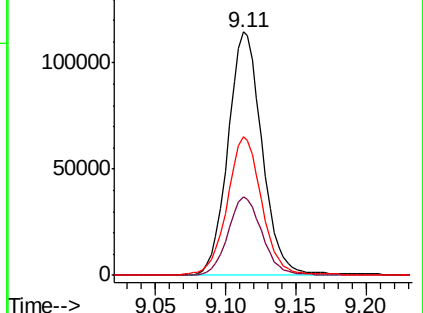
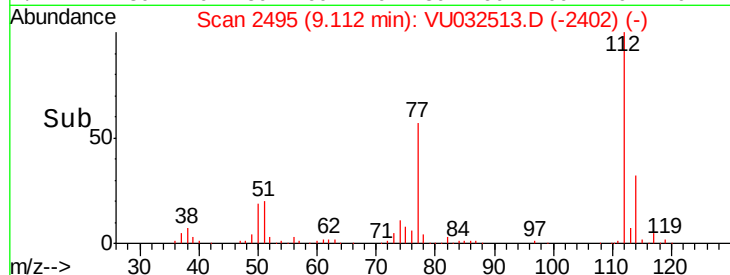
77 56.9 46.1 69.1



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU



#59

1,2,3-Trichloropropane

Concen: 6.096 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032513.D

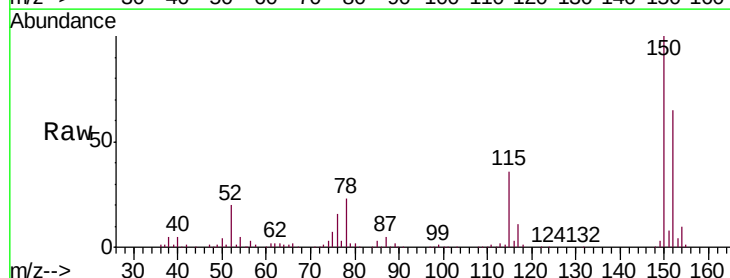
Acq: 06 Jun 2019 21:32

Tgt Ion: 75 Resp: 11784

Ion Ratio Lower Upper

75 100

77 37.5 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

