

Data File : VU032514.D
Acq On : 06 Jun 2019 21:55
Operator : JC/SP
Sample : K3215-03MSD
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB8K9MSD

Quant Time: Jun 07 05:53:41 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	211832	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	203371	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	102012	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	46354	33.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.46%
7) Chloroethane-d5	1.67	69	42783	38.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.48%
11) 1,1-Dichloroethene-d2	2.27	63	108842	40.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.90%
21) 2-Butanone-d5	4.17	46	109366	95.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.09%
24) Chloroform-d	4.64	84	114161	44.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.08%
26) 1,2-Dichloroethane-d4	5.30	65	76914	47.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.26%
32) Benzene-d6	5.33	84	238693	45.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.42%
36) 1,2-Dichloropropane-d6	6.32	67	76977	46.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.00%
41) Toluene-d8	7.56	98	230236	45.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.98%
43) trans-1,3-Dichloropropene-	7.85	79	35122	44.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.66%
47) 2-Hexanone-d5	8.31	63	75012	93.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.41%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	111839	46.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.24%
64) 1,2-Dichlorobenzene-d4	11.85	152	99615	50.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.96%

Target Compounds

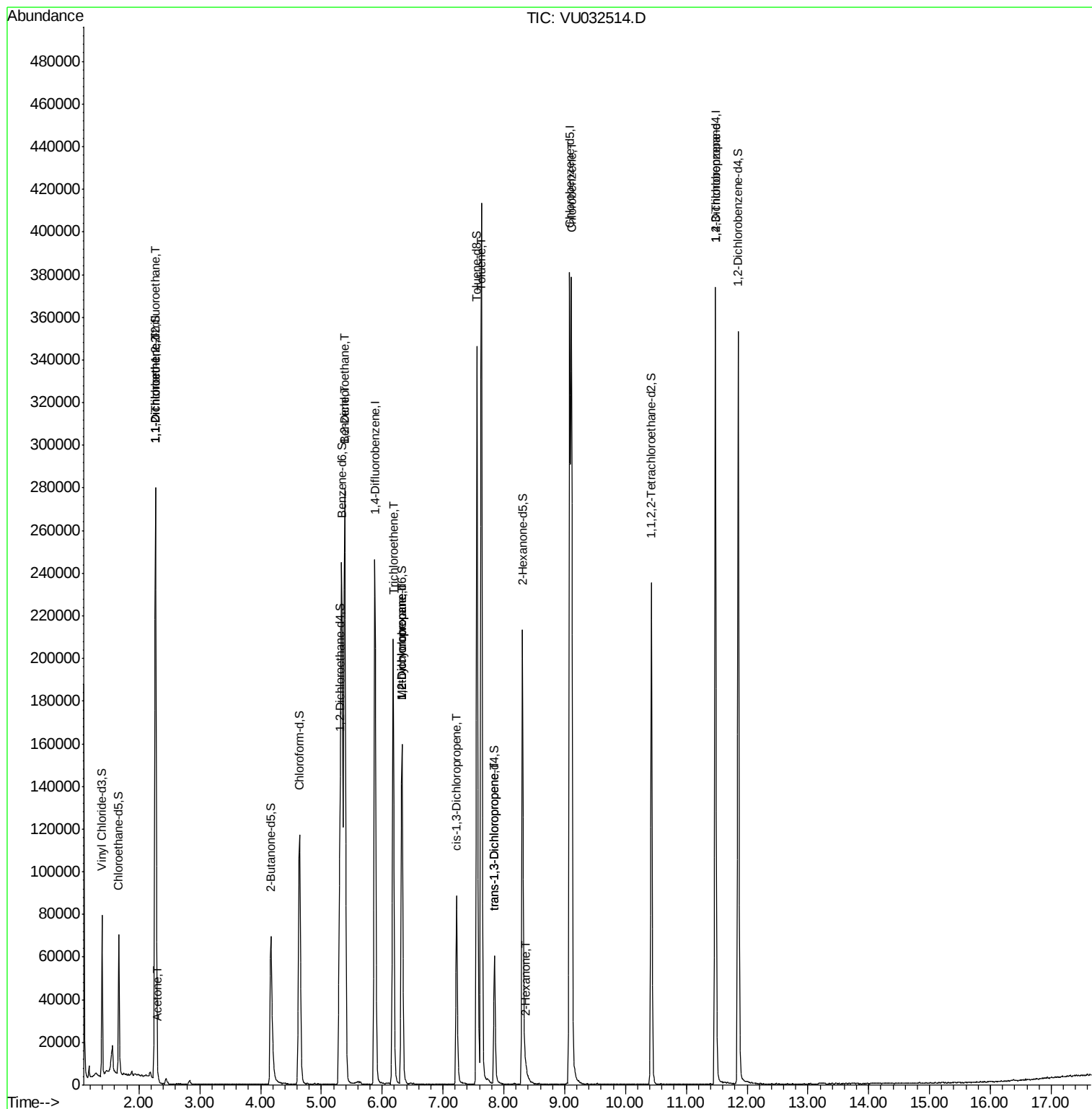
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	816	0.630 ug/L #	18
12) 1,1-Dichloroethene	2.28	96	60622	48.229 ug/L	82
13) Acetone	2.32	43	1262	1.063 ug/L	68
27) 1,2-Dichloroethane	5.38	62	2707	1.336 ug/L #	75
33) Benzene	5.38	78	274075	47.965 ug/L	100
34) Trichloroethene	6.18	95	70252	45.190 ug/L	99
35) Methylcyclohexane	6.32	83	17986	7.147 ug/L #	20
37) 1,2-Dichloropropane	6.33	63	8460	5.585 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2407	1.007 ug/L	91
42) Toluene	7.63	91	301771	48.223 ug/L	98
44) trans-1,3-Dichloropropene	7.85	75	1634	0.770 ug/L #	82
48) 2-Hexanone	8.37	43	3381	1.689 ug/L #	67
51) Chlorobenzene	9.11	112	197784	49.057 ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	11656	5.919 ug/L	93

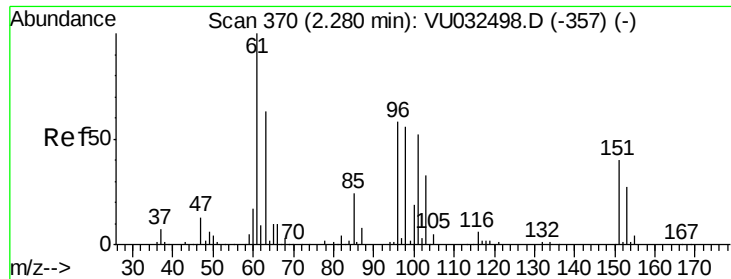
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.630 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032514.D

Acq: 06 Jun 2019 21:55

Instrument :

MSVOA_U

ClientSampleId :

DB8K9MSD

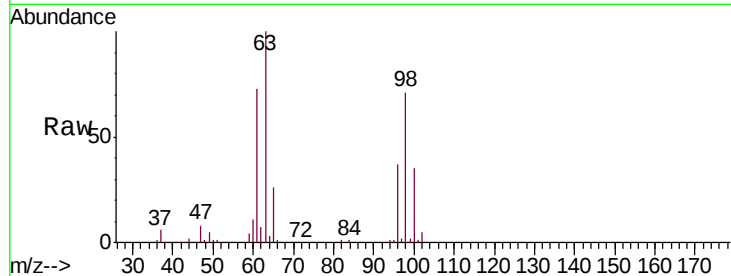
Tgt Ion: 101 Resp: 816

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

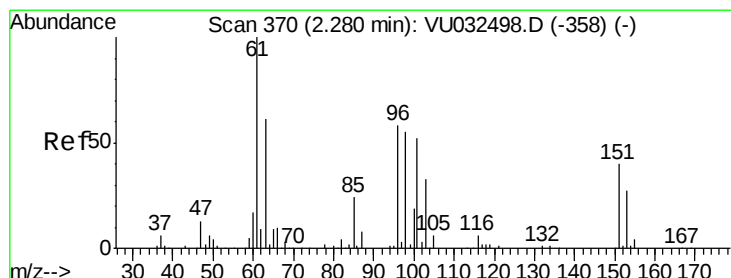
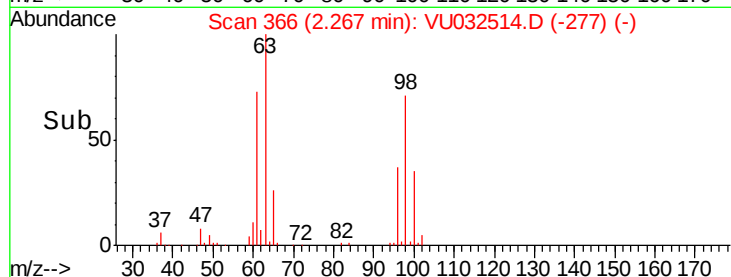
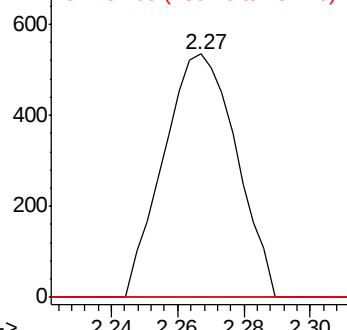
151 0.0 63.0 94.4#



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: 48.229 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032514.D

Acq: 06 Jun 2019 21:55

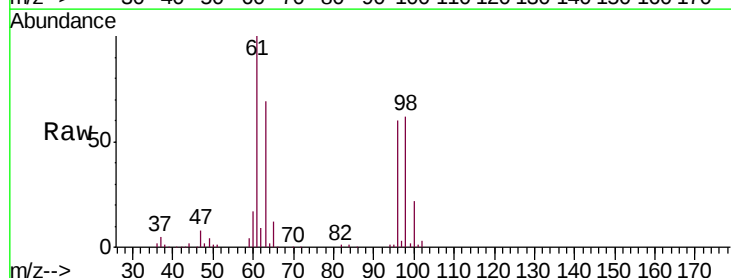
Tgt Ion: 96 Resp: 60622

Ion Ratio Lower Upper

96 100

61 167.5 129.5 240.5

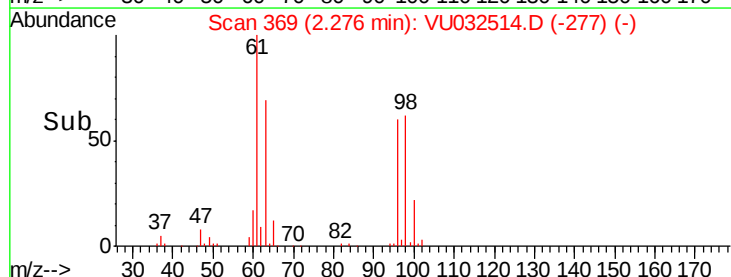
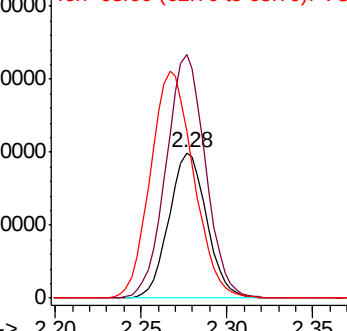
63 114.8 103.4 192.0

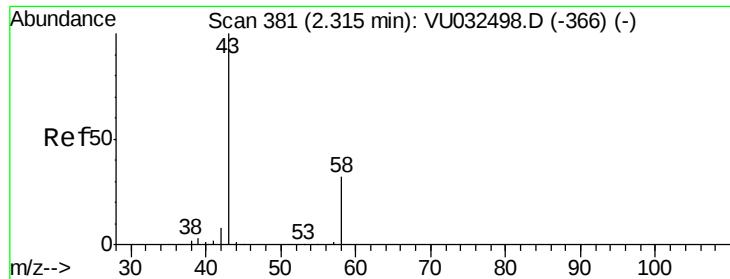


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.063 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU032514.D

Acq: 06 Jun 2019 21:55

Instrument :

MSVOA_U

ClientSampleId :

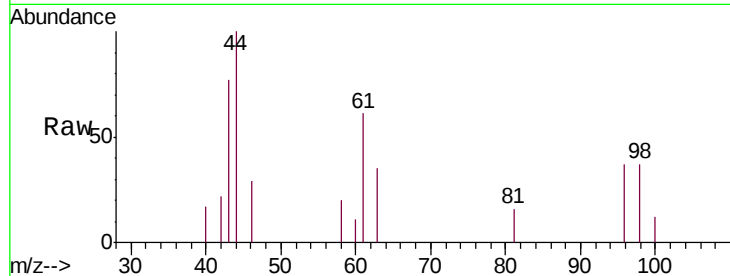
DB8K9MSD

Tgt Ion: 43 Resp: 1262

Ion Ratio Lower Upper

43 100

58 14.1 0.0 64.0

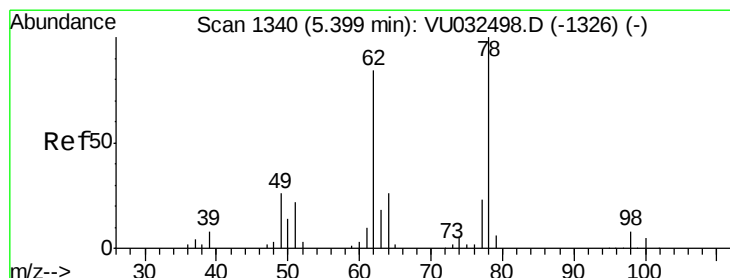
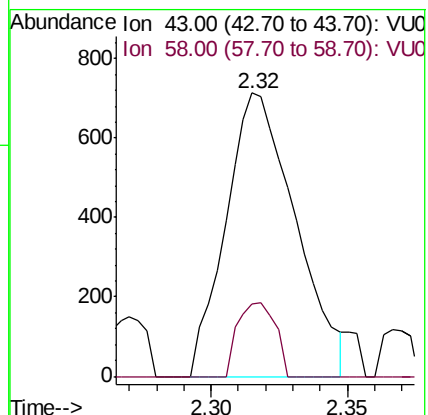
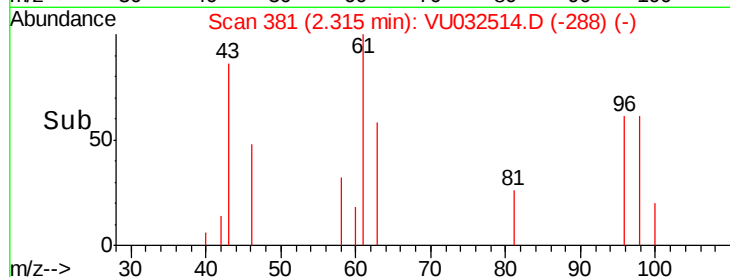


Abundance Ion 43.00 (42.70 to 43.70): VU032514.D (-288) (-)

Ion 58.00 (57.70 to 58.70): VU032514.D (-288) (-)

2.32

2.30 2.35



#27

1,2-Dichloroethane

Concen: 1.336 ug/L

RT: 5.38 min Scan# 1334

Delta R.T. -0.02 min

Lab File: VU032514.D

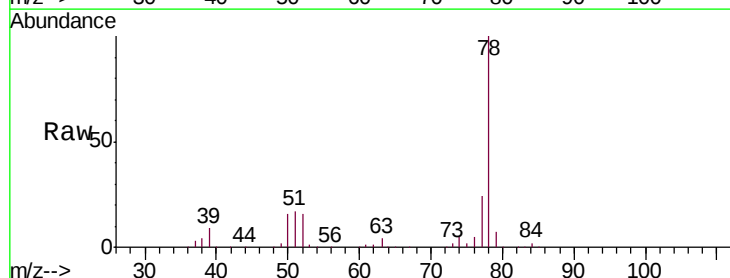
Acq: 06 Jun 2019 21:55

Tgt Ion: 62 Resp: 2707

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#

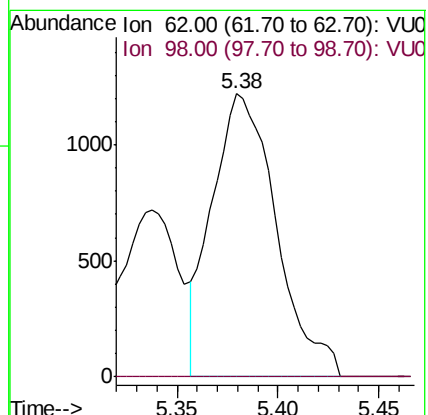
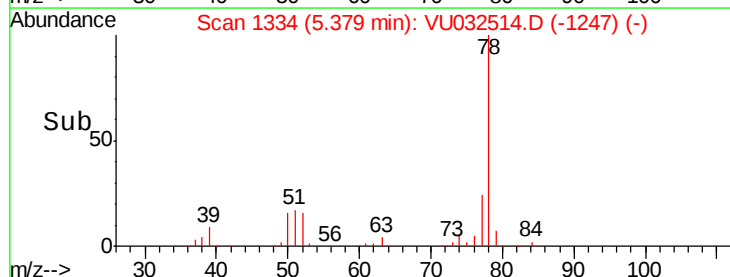


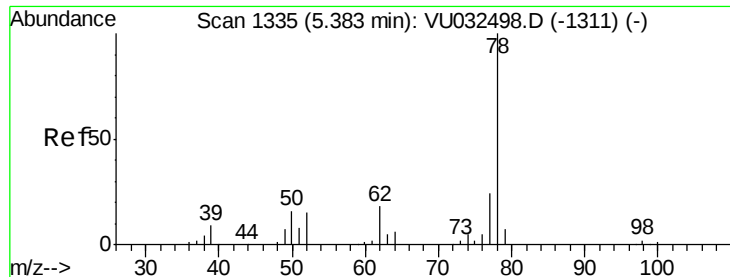
Abundance Ion 62.00 (61.70 to 62.70): VU032514.D (-1247) (-)

Ion 98.00 (97.70 to 98.70): VU032514.D (-1247) (-)

5.38

5.35 5.40 5.45





#33

Benzene

Concen: 47.965 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU032514.D

Acq: 06 Jun 2019 21:55

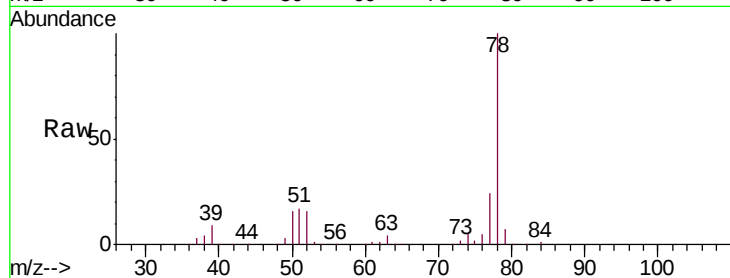
Instrument :

MSVOA_U

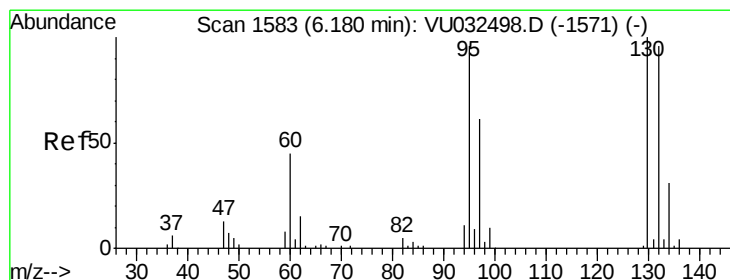
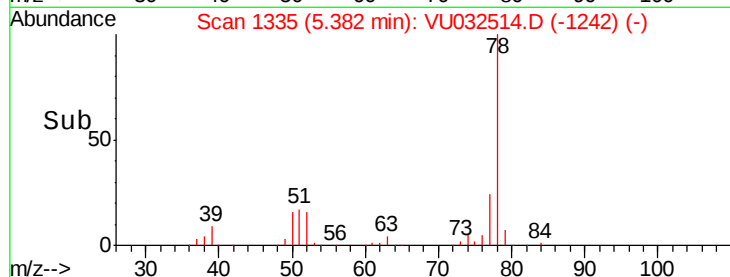
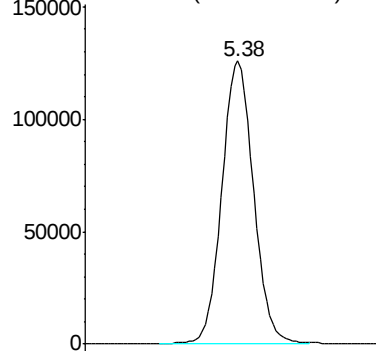
ClientSampleId :

DB8K9MSD

Tgt Ion: 78 Resp: 274075



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 45.190 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032514.D

Acq: 06 Jun 2019 21:55

Tgt Ion: 95 Resp: 70252

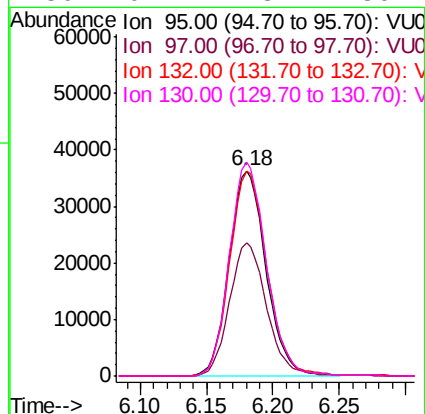
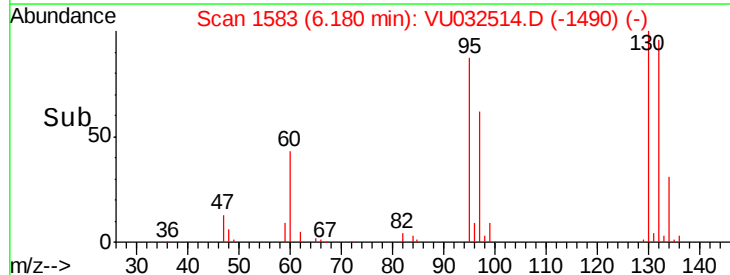
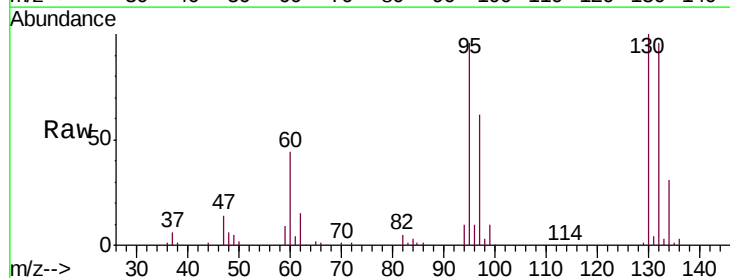
Ion	Ratio	Lower	Upper
95	100		
97	65.1	45.8	85.2
132	99.8	71.0	131.8
130	104.2	73.4	136.2

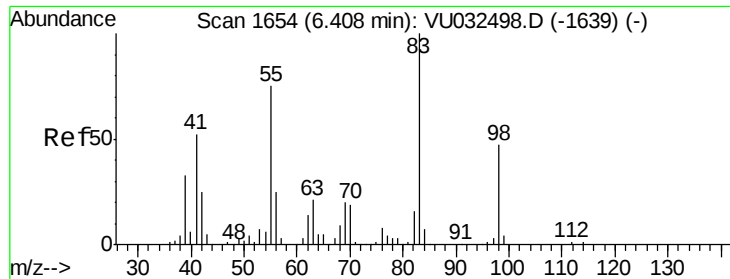
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

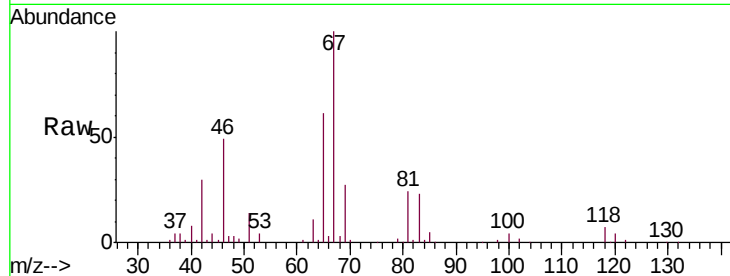




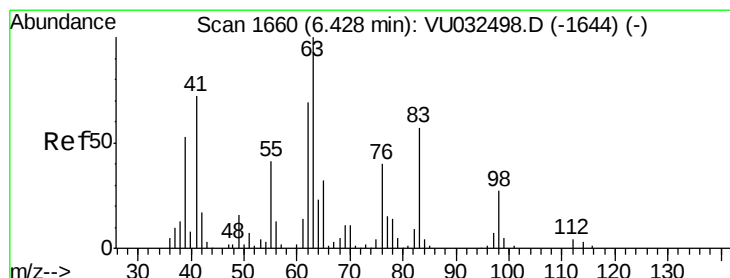
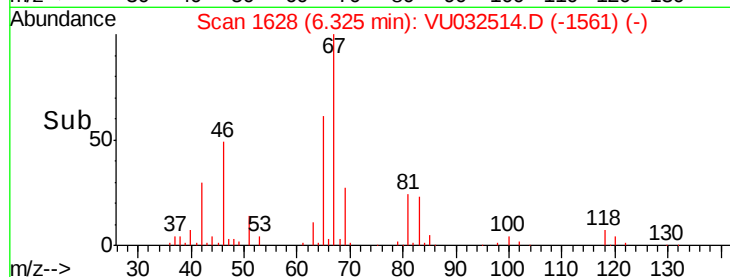
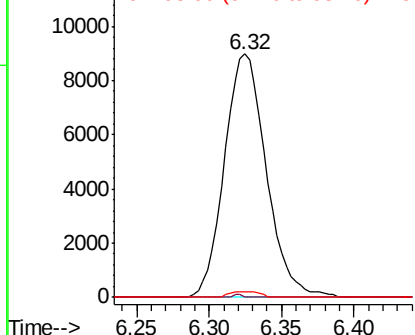
#35
Methylcyclohexane
Concen: 7.147 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU032514.D
Acq: 06 Jun 2019 21:55

Instrument :
MSVOA_U
ClientSampleId :
DB8K9MSD

Tgt Ion: 83 Resp: 17986
Ion Ratio Lower Upper
83 100
55 0.3 60.2 90.4#
98 1.6 37.4 56.2#

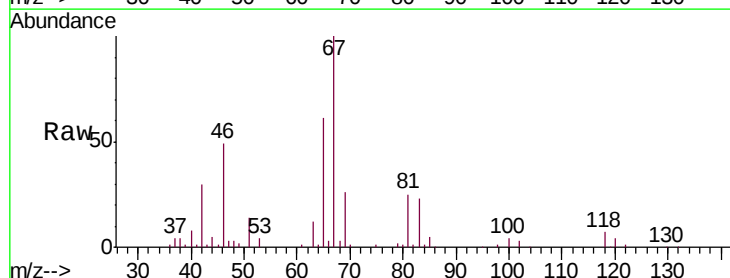


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

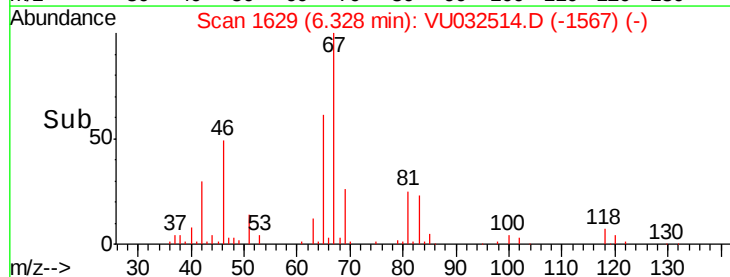
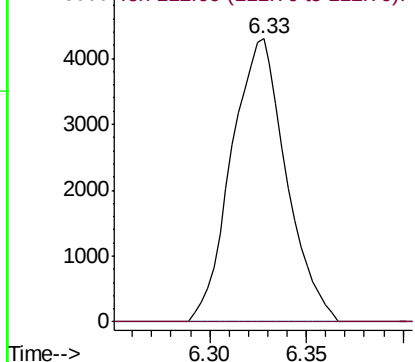


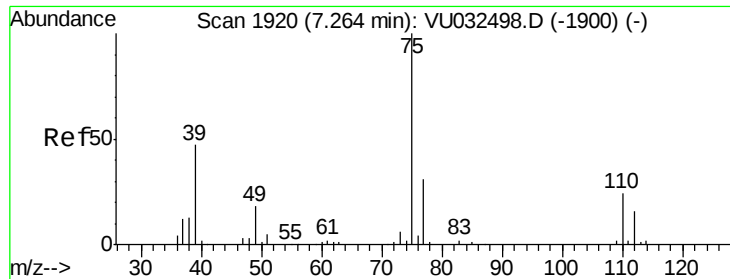
#37
1,2-Dichloropropane
Concen: 5.585 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU032514.D
Acq: 06 Jun 2019 21:55

Tgt Ion: 63 Resp: 8460
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V

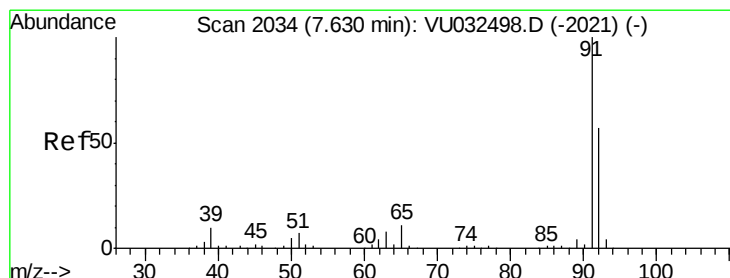
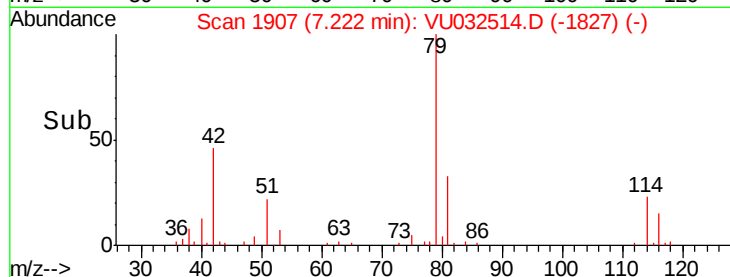
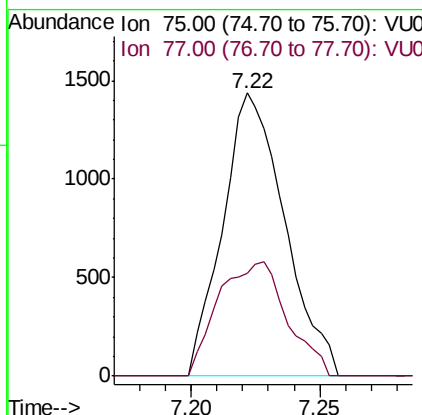
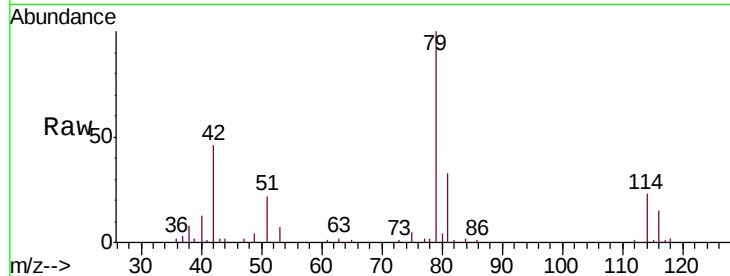




#39
 cis-1,3-Dichloropropene
 Concen: 1.007 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU032514.D
 Acq: 06 Jun 2019 21:55

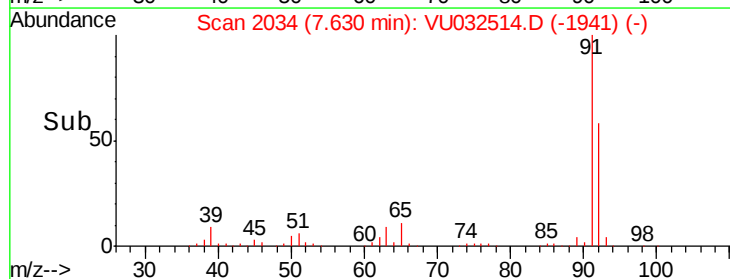
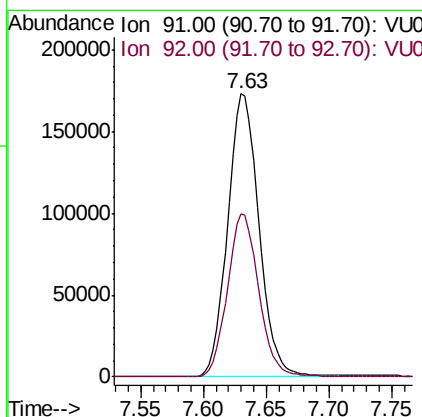
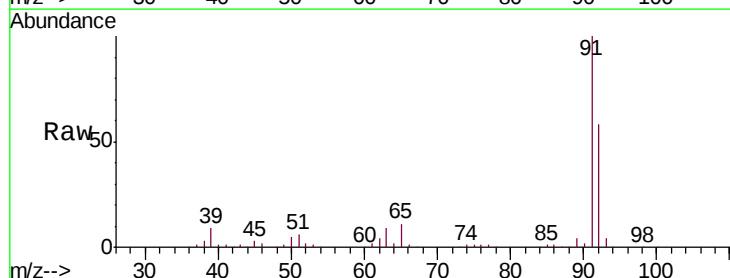
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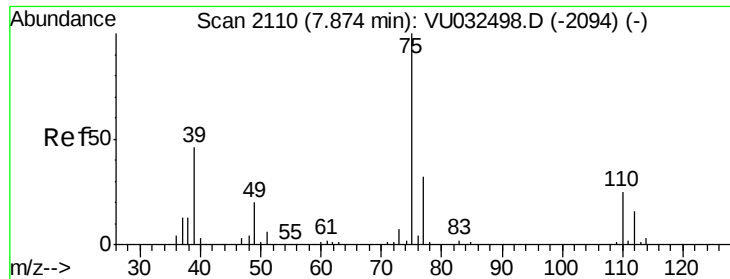
Tgt Ion: 75 Resp: 2407
 Ion Ratio Lower Upper
 75 100
 77 36.4 22.0 41.0



#42
 Toluene
 Concen: 48.223 ug/L
 RT: 7.63 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU032514.D
 Acq: 06 Jun 2019 21:55

Tgt Ion: 91 Resp: 301771
 Ion Ratio Lower Upper
 91 100
 92 57.8 39.7 73.7

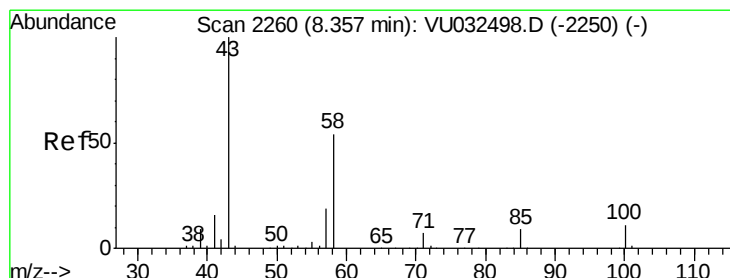
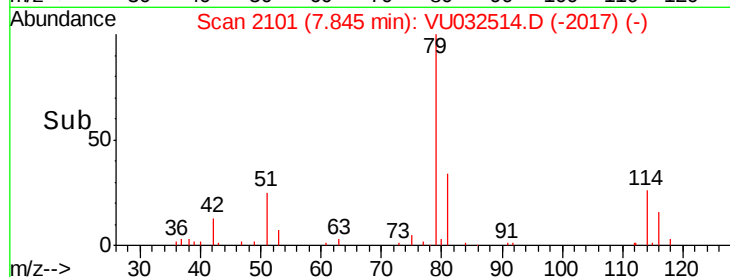
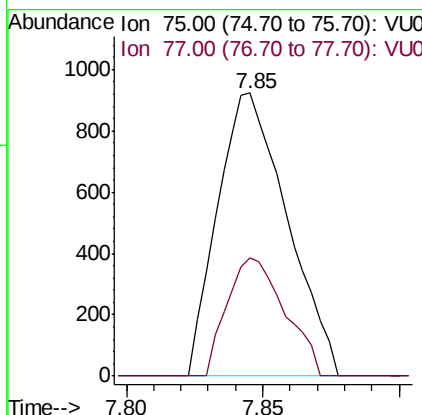
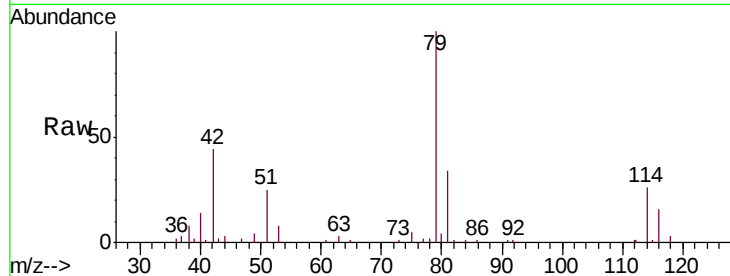




#44
 trans-1,3-Dichloropropene
 Concen: 0.770 ug/L
 RT: 7.85 min Scan# 2101
 Delta R.T. -0.03 min
 Lab File: VU032514.D
 Acq: 06 Jun 2019 21:55

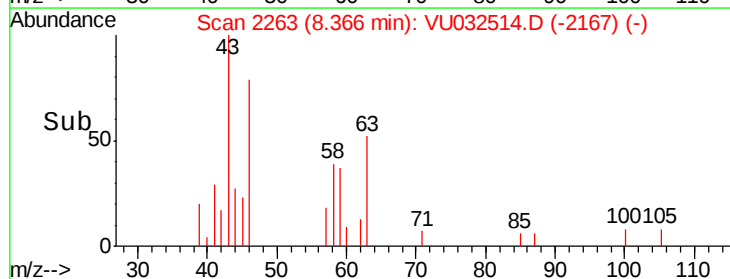
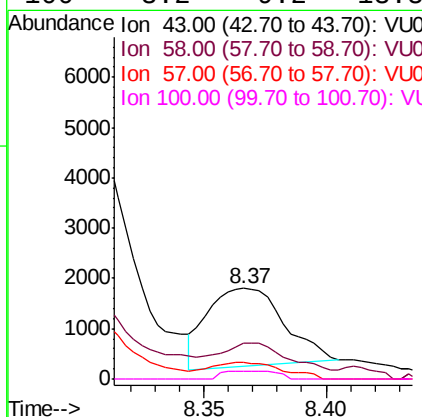
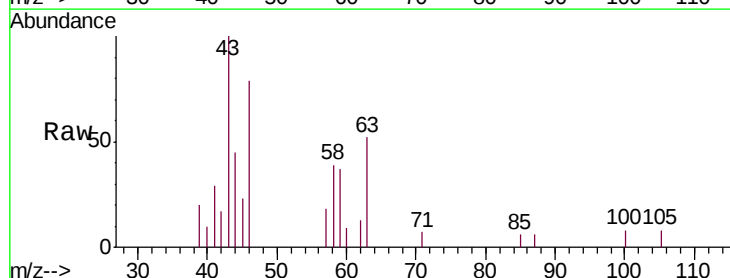
Instrument :
 MSVOA_U
 ClientSampleId :
 DB8K9MSD

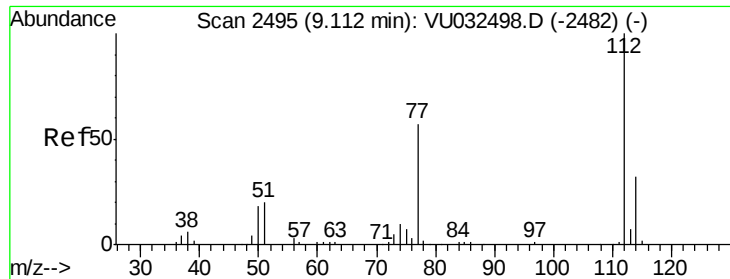
Tgt Ion: 75 Resp: 1634
 Ion Ratio Lower Upper
 75 100
 77 41.7 22.1 41.1#



#48
 2-Hexanone
 Concen: 1.689 ug/L
 RT: 8.37 min Scan# 2263
 Delta R.T. 0.01 min
 Lab File: VU032514.D
 Acq: 06 Jun 2019 21:55

Tgt Ion: 43 Resp: 3381
 Ion Ratio Lower Upper
 43 100
 58 23.2 42.0 63.0#
 57 12.2 14.6 22.0#
 100 3.2 9.2 13.8#





#51

Chlorobenzene

Concen: 49.057 ug/L

RT: 9.11 min Scan# 2495

Delta R.T. -0.00 min

Lab File: VU032514.D

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Instrument :

MSVOA_U

ClientSampleId :

DB8K9MSD

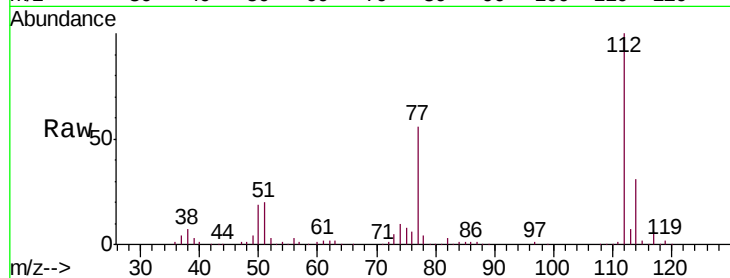
Tgt Ion: 112 Resp: 197784

Ion Ratio Lower Upper

112 100

114 31.4 22.6 42.0

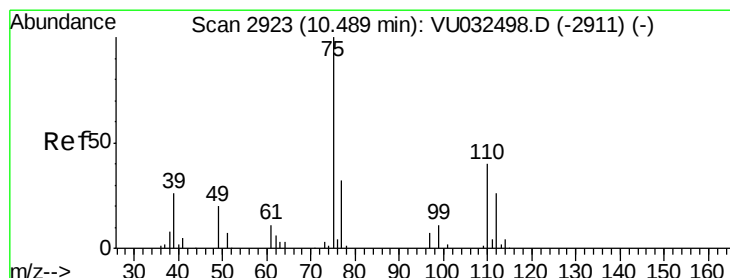
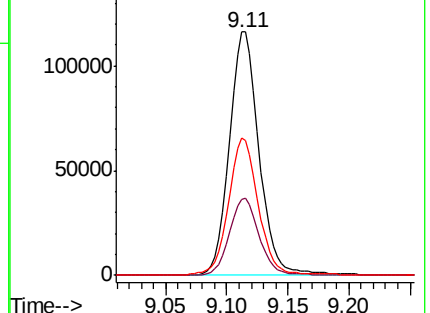
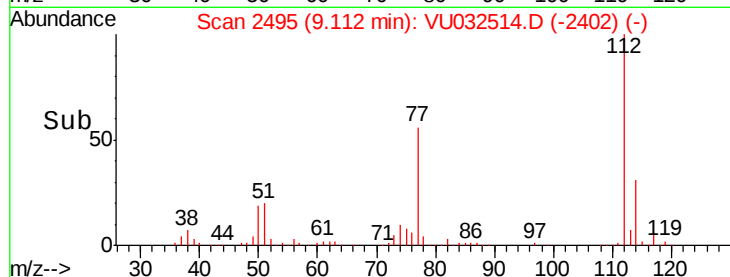
77 56.4 46.1 69.1



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): V



#59

1,2,3-Trichloropropane

Concen: 5.919 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032514.D

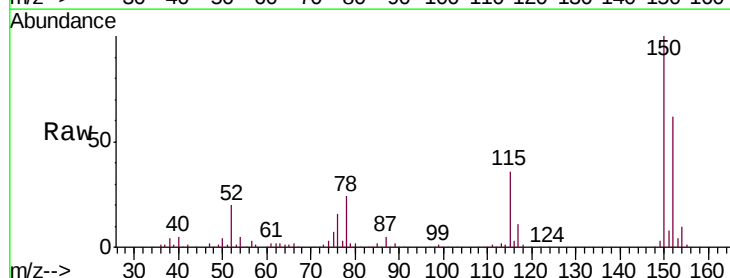
Acq: 06 Jun 2019 21:55

Tgt Ion: 75 Resp: 11656

Ion Ratio Lower Upper

75 100

77 36.1 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

