

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031053.D
 Acq On : 11 Apr 2019 08:49
 Operator : JC/SP
 Sample : K2341-04MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB715MSD

Quant Time: Apr 12 03:11:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 12 03:03:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	498666	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	492992	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	211239	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	214052	48.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.18%
7) Chloroethane-d5	1.67	69	178650	52.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.76%
11) 1,1-Dichloroethene-d2	2.27	63	385234	47.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.70%
21) 2-Butanone-d5	4.17	46	393336	111.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.49%
24) Chloroform-d	4.64	84	369039	54.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.54%
26) 1,2-Dichloroethane-d4	5.30	65	254606	54.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.74%
32) Benzene-d6	5.33	84	753300	52.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.68%
36) 1,2-Dichloropropane-d6	6.32	67	257792	52.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.54%
41) Toluene-d8	7.56	98	651518	51.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.14%
43) trans-1,3-Dichloropropene-	7.85	79	108950	48.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.88%
47) 2-Hexanone-d5	8.31	63	244180	108.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.32%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	351728	52.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.74%
64) 1,2-Dichlorobenzene-d4	11.85	152	226292	54.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.94%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	3103	0.869	ug/L #	21
12) 1,1-Dichloroethene	2.28	96	151249	43.878	ug/L	98
13) Acetone	2.32	43	43295	11.993	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	32562	8.057	ug/L	86
25) Chloroform	4.67	83	74934	9.871	ug/L	92
27) 1,2-Dichloroethane	5.39	62	6166	1.064	ug/L #	75
33) Benzene	5.38	78	780478	48.378	ug/L	100
34) Trichloroethene	6.18	95	209971	53.065	ug/L	99
38) Bromodichloromethane	6.75	83	26324	4.777	ug/L	95
42) Toluene	7.63	91	828968	50.339	ug/L	100
44) trans-1,3-Dichloropropene	7.84	75	4542	0.793	ug/L #	80
46) Tetrachloroethene	8.22	164	516367	179.496	ug/L	99
48) 2-Hexanone	8.36	43	12410	2.165	ug/L #	93
49) Dibromochloromethane	8.47	129	11323	2.754	ug/L	99
51) Chlorobenzene	9.12	112	504123	49.912	ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	26477	4.839	ug/L	90

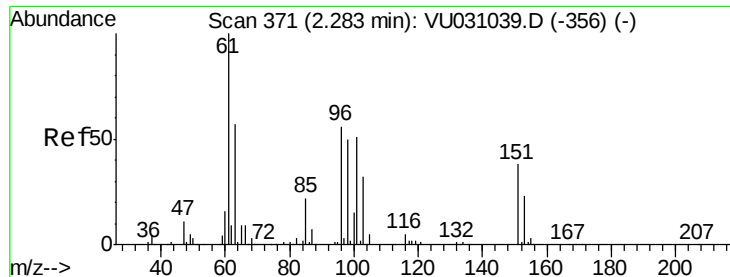
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
Data File : VU031053.D
Acq On : 11 Apr 2019 08:49
Operator : JC/SP
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Quant Time: Apr 12 03:11:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 12 03:03:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#10

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

Concen: 0.869 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU031053.D

Acq: 11 Apr 2019 08:49

Instrument :

MSVOA_U

ClientSampleId :

DB715MSD

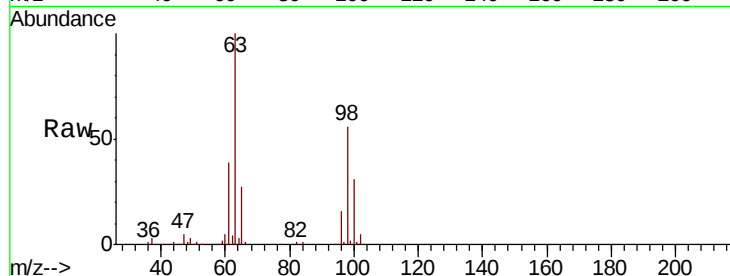
Tot Ion:101 Resp: 3103

Ion Ratio Lower Upper

101 100

85 1.7 36.8 55.2#

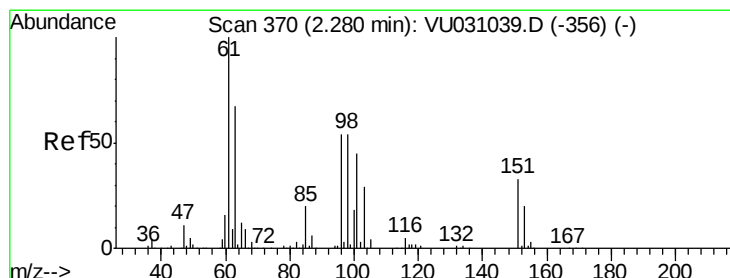
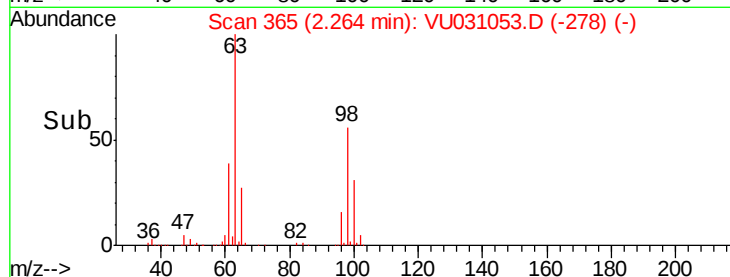
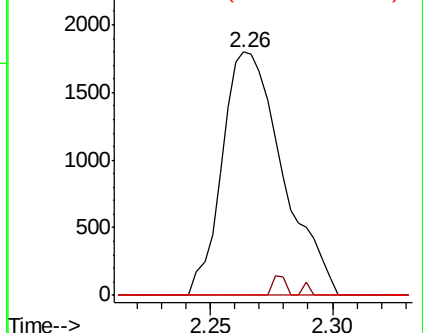
151 0.0 57.4 86.0#



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: 43.878 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031053.D

Acq: 11 Apr 2019 08:49

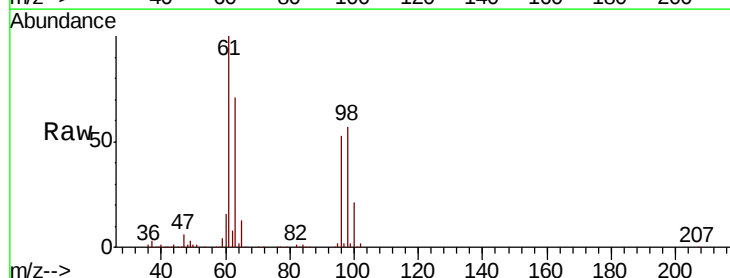
Tgt Ion: 96 Resp: 151249

Ion Ratio Lower Upper

96 100

61 190.3 132.0 245.2

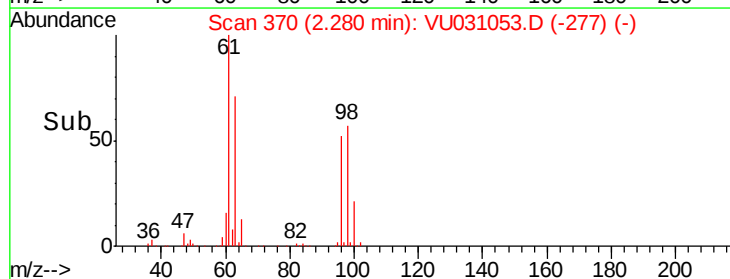
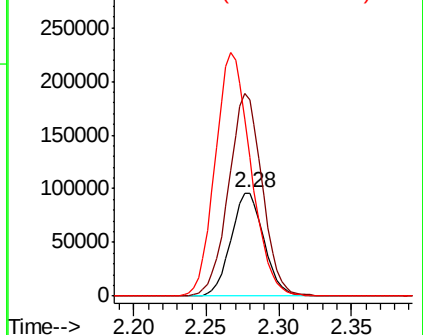
63 134.7 90.9 168.9

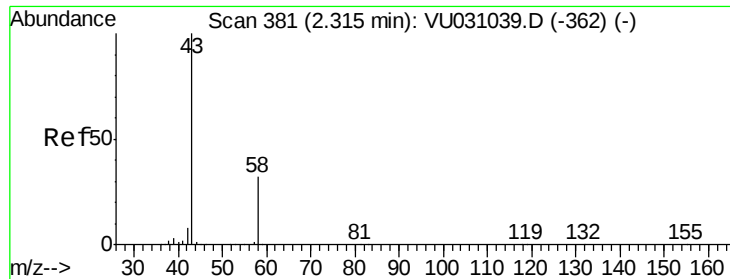


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 11.993 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU031053.D

Acq: 11 Apr 2019 08:49

Instrument :

MSVOA_U

ClientSampleId :

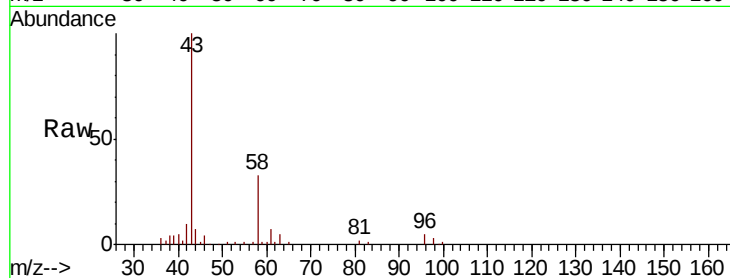
DB715MSD

Tot Ion: 43 Resp: 43295

Ion Ratio Lower Upper

43 100

58 31.2 0.0 64.0



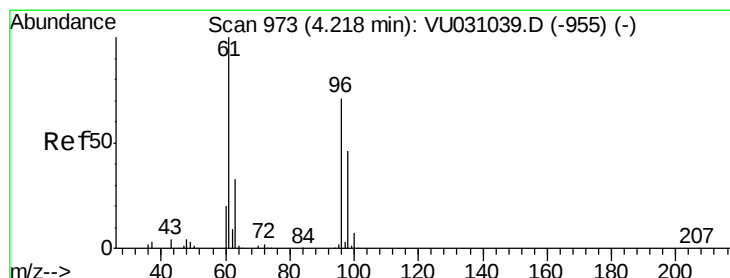
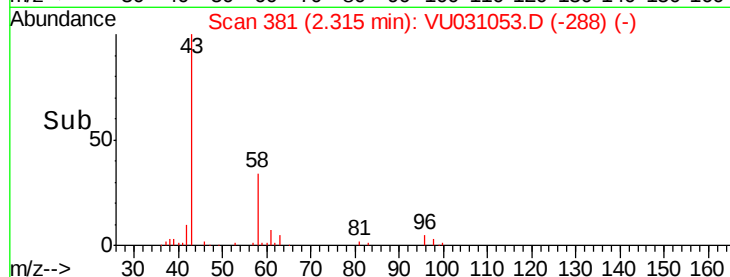
Abundance Ion 43.00 (42.70 to 43.70): VU031039.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU031039.D (-362) (-)

2.32

2.25 2.30 2.35 2.40

Time-->



#20

cis-1,2-Dichloroethene

Concen: 8.057 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU031053.D

Acq: 11 Apr 2019 08:49

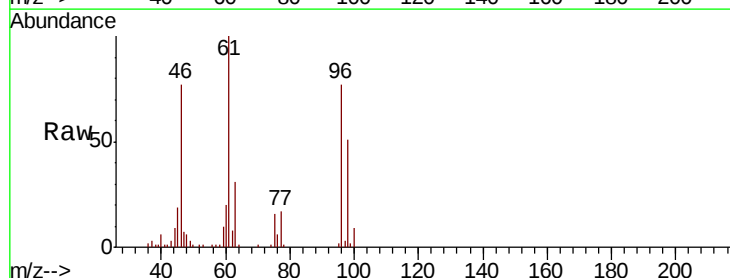
Tgt Ion: 96 Resp: 32562

Ion Ratio Lower Upper

96 100

61 129.7 102.9 191.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU031039.D (-955) (-)

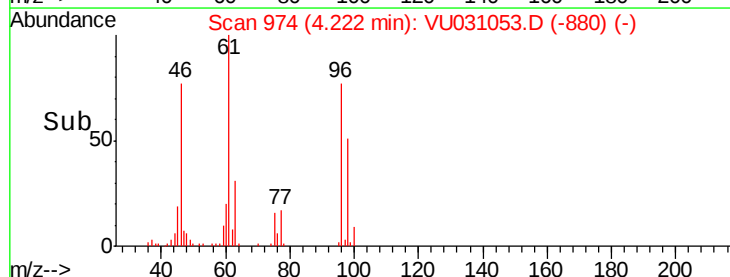
Ion 61.00 (60.70 to 61.70): VU031039.D (-955) (-)

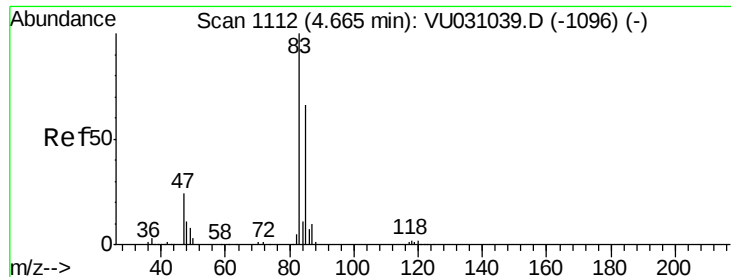
Ion 68.00 (67.70 to 68.70): VU031039.D (-955) (-)

4.22

4.15 4.20 4.25 4.30

Time-->

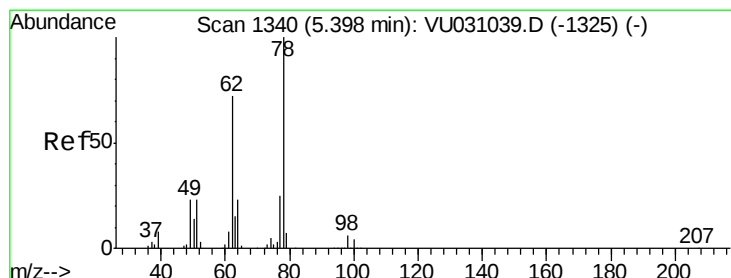
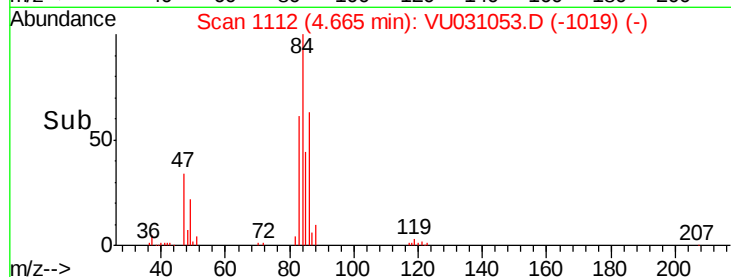
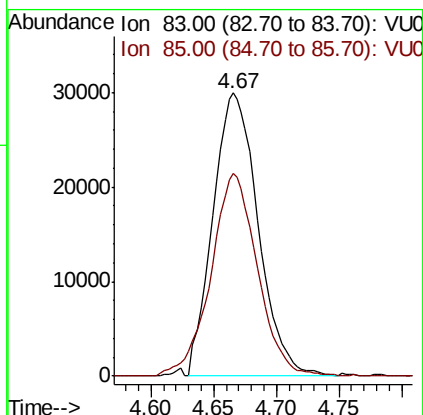
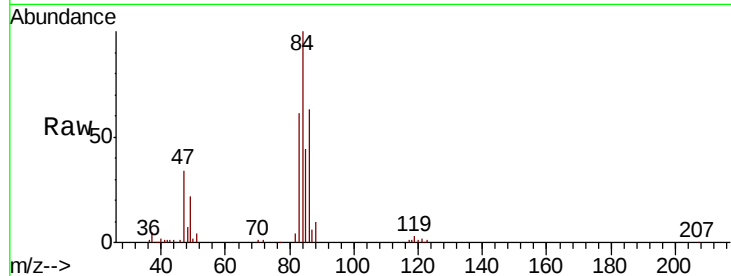




#25
Chloroform
Concen: 9.871 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU031053.D
Acq: 11 Apr 2019 08:49

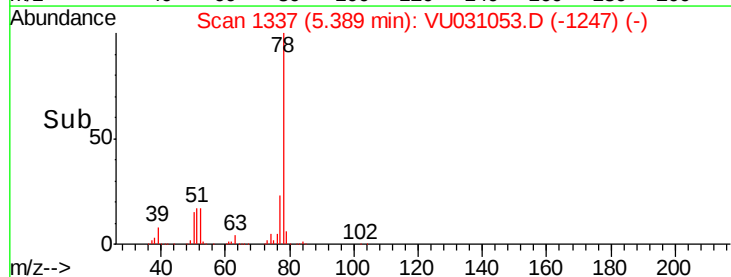
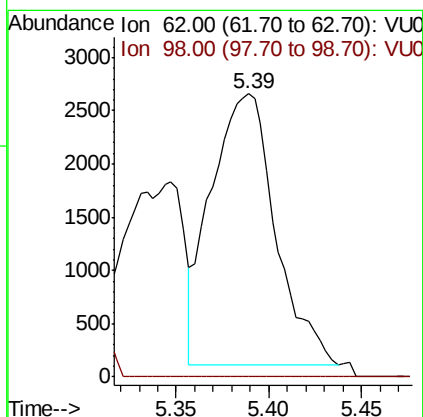
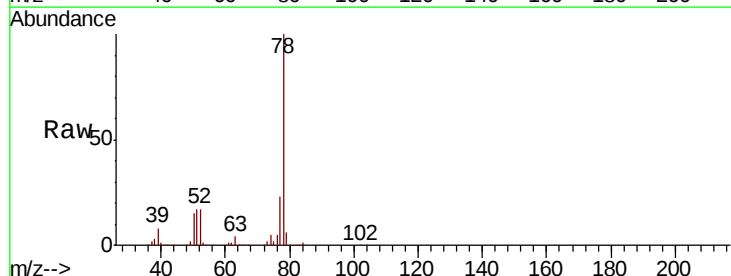
Instrument :
MSVOA_U
ClientSampleId :
DB715MSD

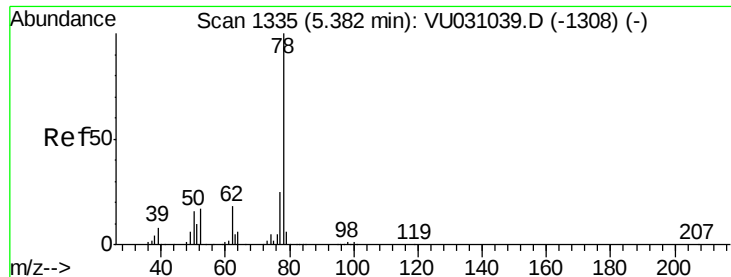
Tot Ion: 83 Resp: 74934
Ion Ratio Lower Upper
83 100
85 71.8 45.8 85.0



#27
1,2-Dichloroethane
Concen: 1.064 ug/L
RT: 5.39 min Scan# 1337
Delta R.T. -0.01 min
Lab File: VU031053.D
Acq: 11 Apr 2019 08:49

Tgt Ion: 62 Resp: 6166
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#

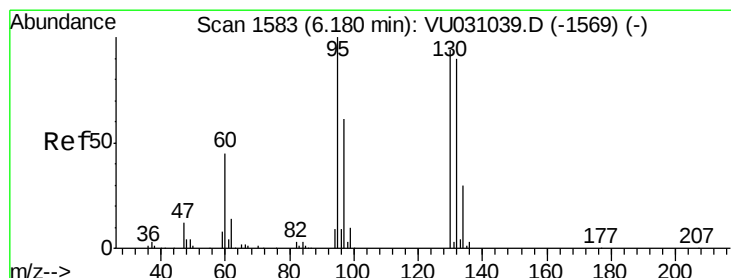
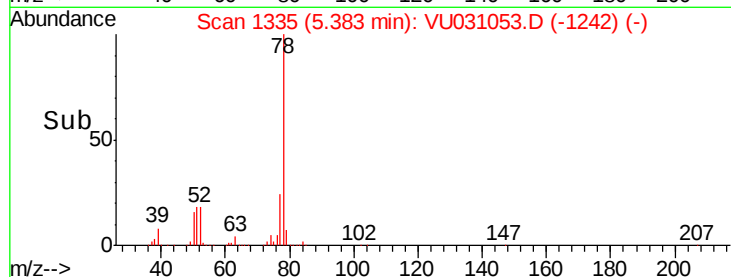
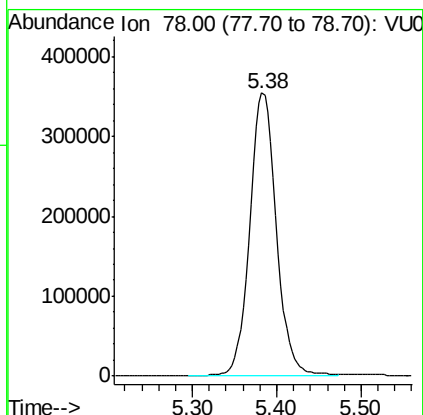
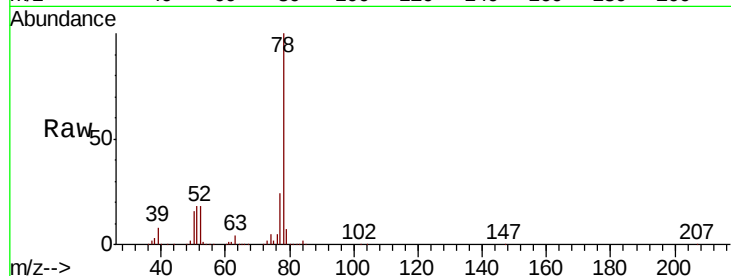




#33
Benzene
Concen: 48.378 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU031053.D
Acq: 11 Apr 2019 08:49

Tgt Ion: 78 Resp: 780478

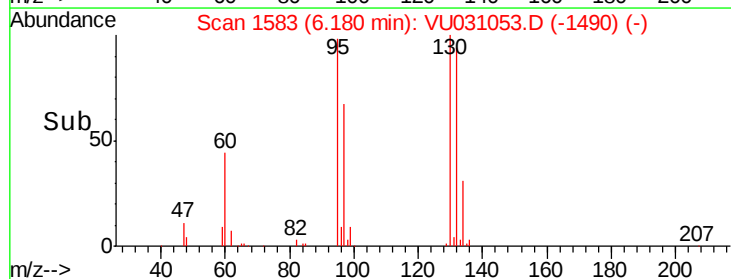
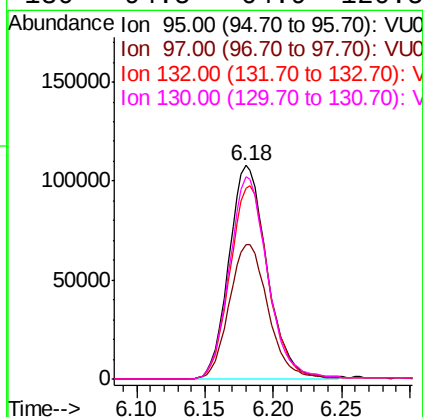
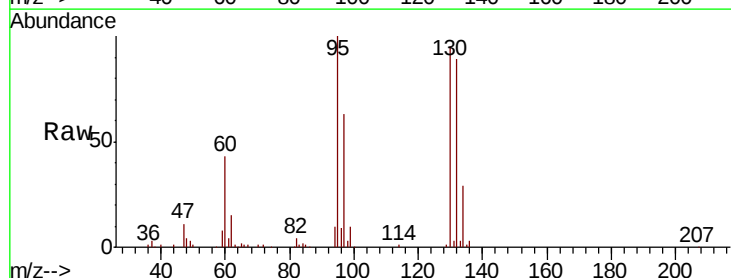
Instrument :
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DB715MSD

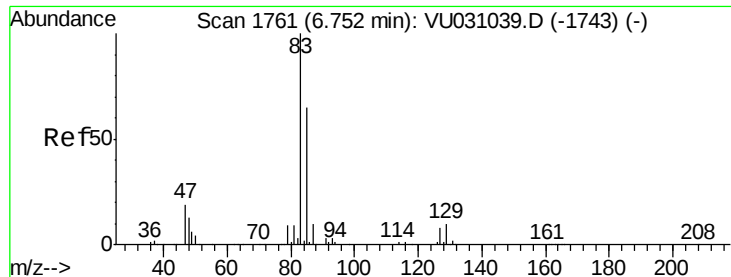


#34
Trichloroethene
Concen: 53.065 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VU031053.D
Acq: 11 Apr 2019 08:49

Tgt Ion: 95 Resp: 209971

Ion	Ratio	Lower	Upper
95	100		
97	63.1	44.5	82.7
132	89.3	61.5	114.1
130	94.5	64.9	120.5

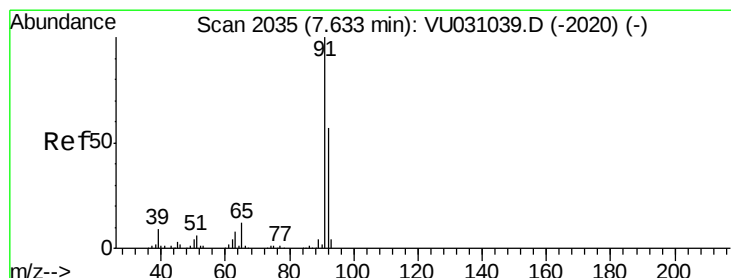
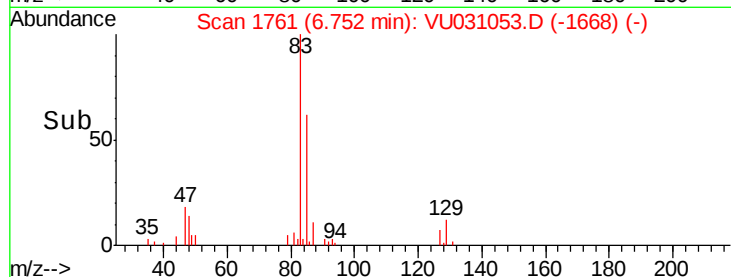
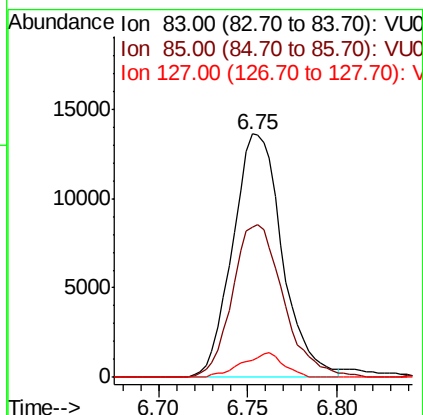
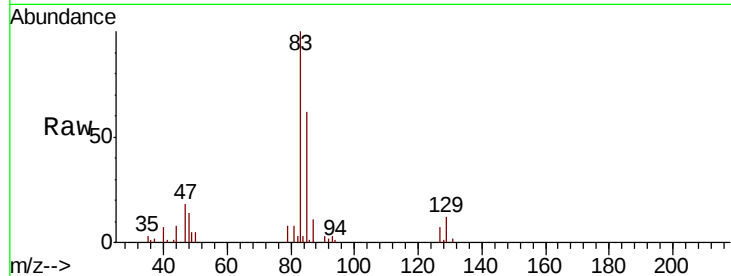




#38
 Bromodichloromethane
 Concen: 4.777 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU031053.D
 Acq: 11 Apr 2019 08:49

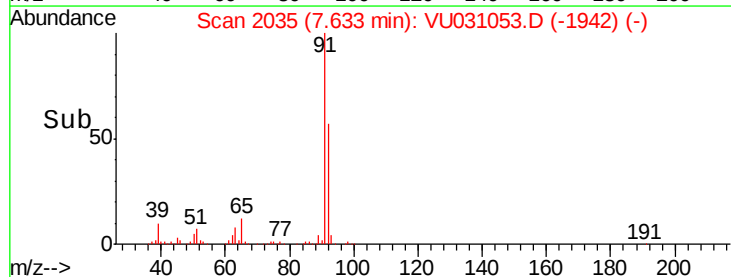
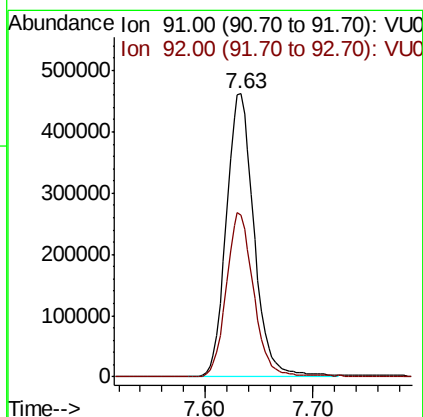
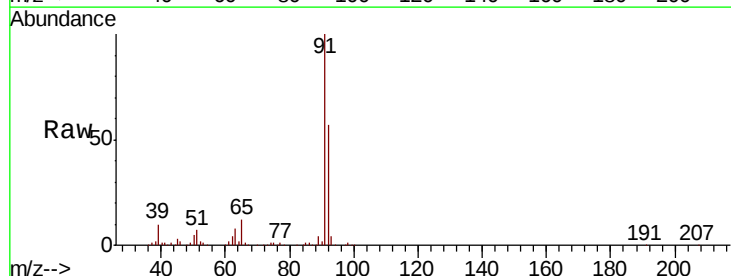
Instrument :
 MSVOA_U
 ClientSampleId :
 DB715MSD

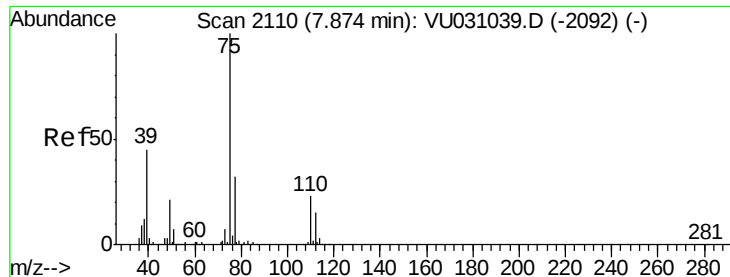
Tot Ion: 83 Resp: 26324
 Ion Ratio Lower Upper
 83 100
 85 61.9 46.5 86.3
 127 7.2 6.6 10.0



#42
 Toluene
 Concen: 50.339 ug/L
 RT: 7.63 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU031053.D
 Acq: 11 Apr 2019 08:49

Tgt Ion: 91 Resp: 828968
 Ion Ratio Lower Upper
 91 100
 92 57.2 40.0 74.4





#44

trans-1,3-Dichloropropene

Concen: 0.793 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.03 min

Lab File: VU031053.D

Acq: 11 Apr 2019 08:49

Instrument :

MSVOA_U

ClientSampleId :

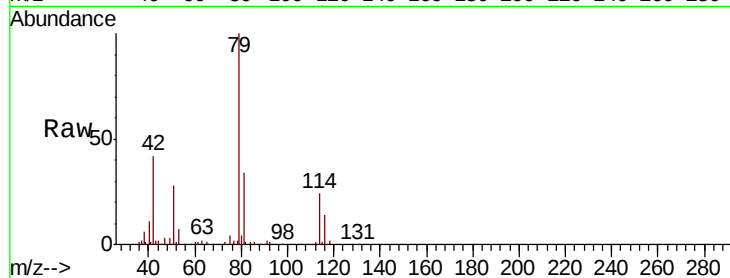
DB715MSD

Tot Ion: 75 Resp: 4542

Ion Ratio Lower Upper

75 100

77 41.5 21.6 40.0#



Abundance Ion 75.00 (74.70 to 75.70): VU031039.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU031039.D (-2092) (-)

7.84

2500

2000

1500

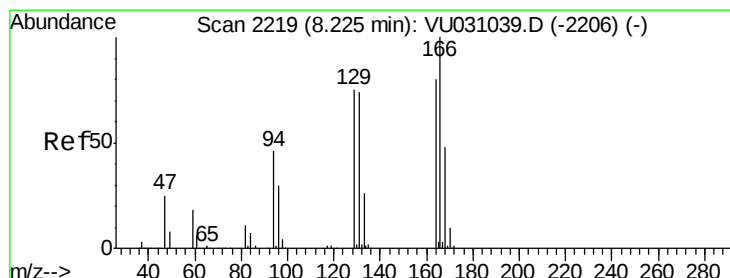
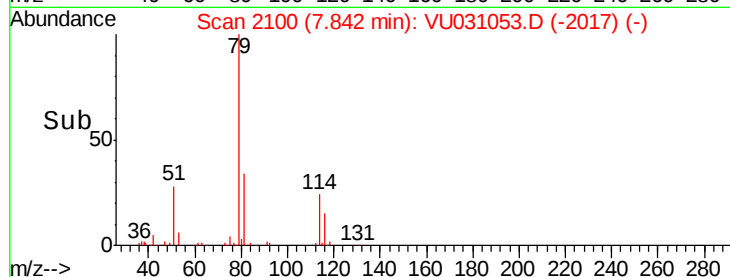
1000

500

0

7.80 7.85 7.90

Time-->



#46

Tetrachloroethene

Concen: 179.496 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU031053.D

Acq: 11 Apr 2019 08:49

Tgt Ion:164 Resp: 516367

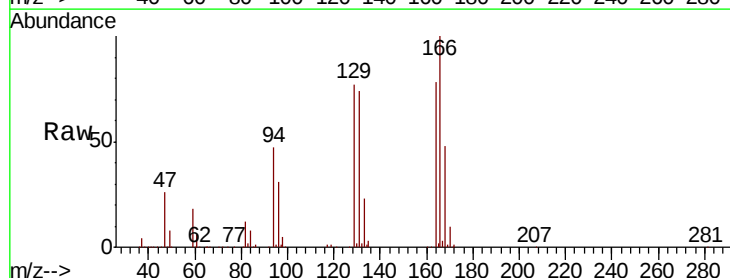
Ion Ratio Lower Upper

164 100

129 98.0 67.4 125.2

131 94.3 65.9 122.5

166 127.9 88.6 164.6



Abundance Ion 164.00 (163.70 to 164.70): VU031039.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU031039.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU031039.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU031039.D (-2206) (-)

600000

500000

400000

300000

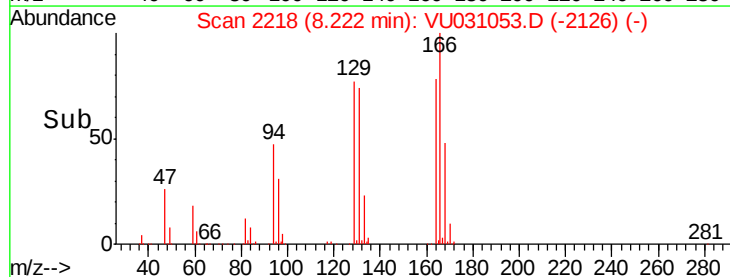
200000

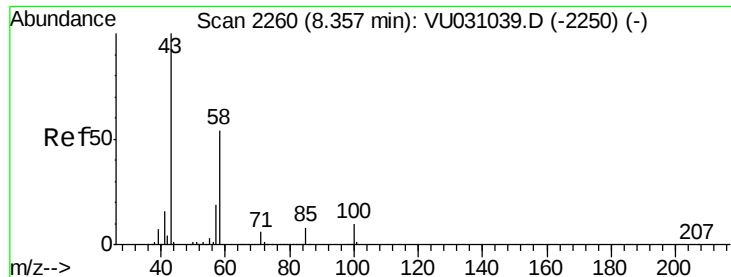
100000

0

8.15 8.20 8.25 8.30

Time-->

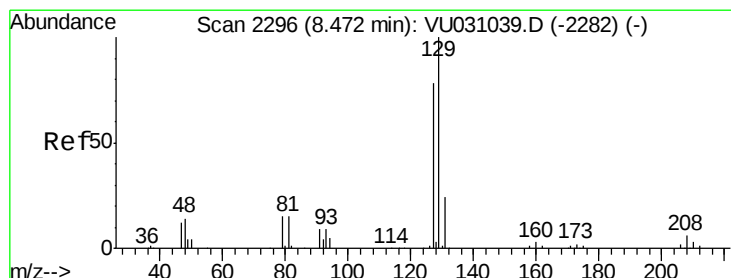
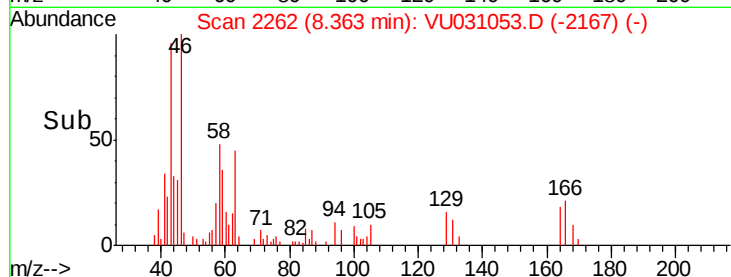
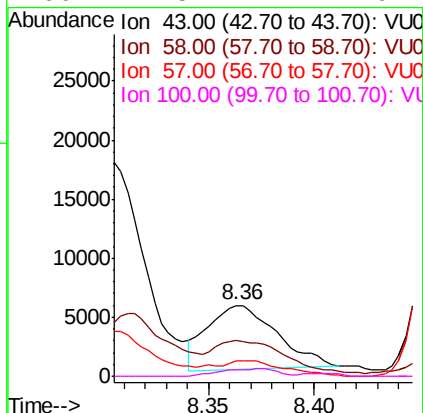
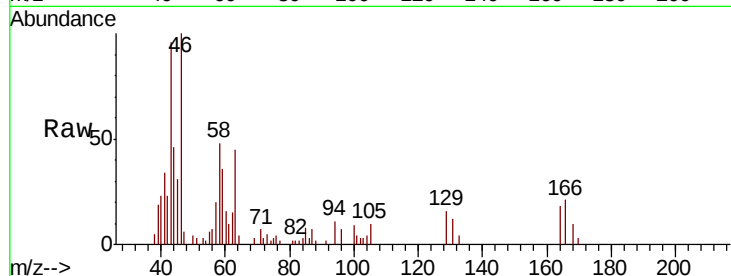




#48
2-Hexanone
Concen: 2.165 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU031053.D
Acq: 11 Apr 2019 08:49

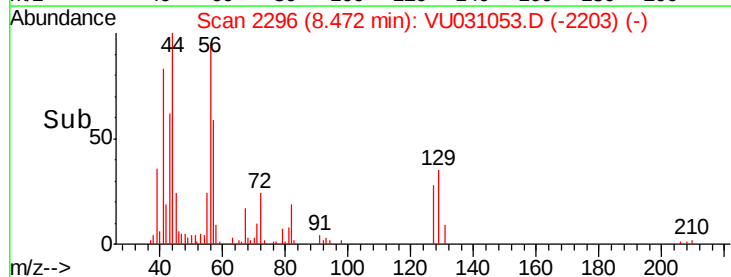
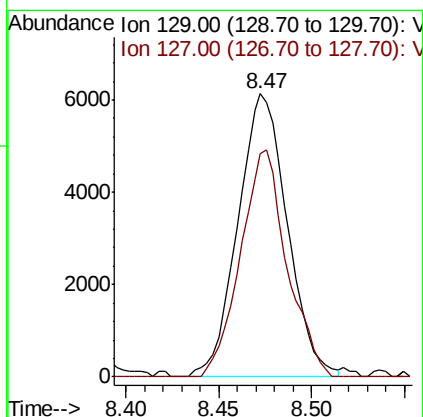
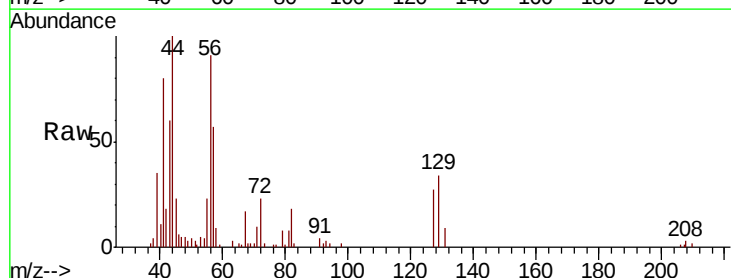
Instrument :
MSVOA_U
ClientSampleId :
DB715MSD

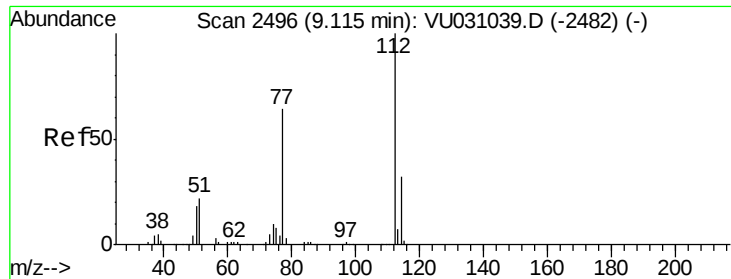
Tot Ion: 43 Resp: 12410
Ion Ratio Lower Upper
43 100
58 57.0 41.9 62.9
57 20.7 14.3 21.5
100 4.5 7.1 10.7#



#49
Dibromochloromethane
Concen: 2.754 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031053.D
Acq: 11 Apr 2019 08:49

Tgt Ion: 129 Resp: 11323
Ion Ratio Lower Upper
129 100
127 79.0 54.5 101.3

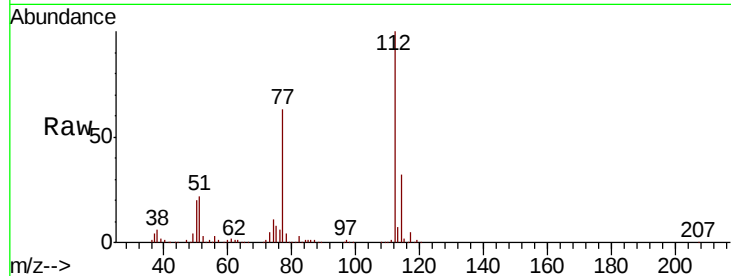




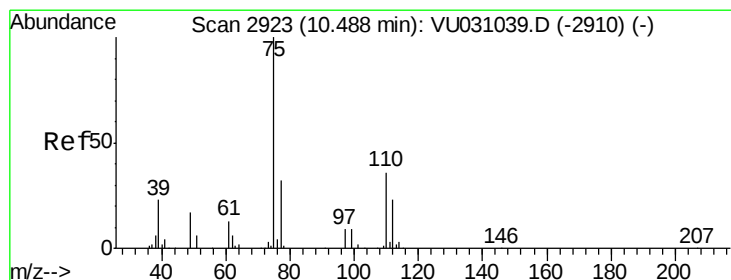
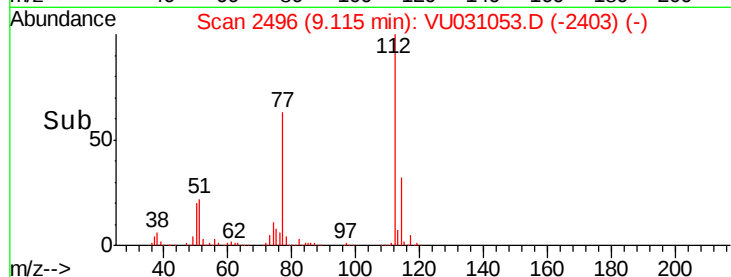
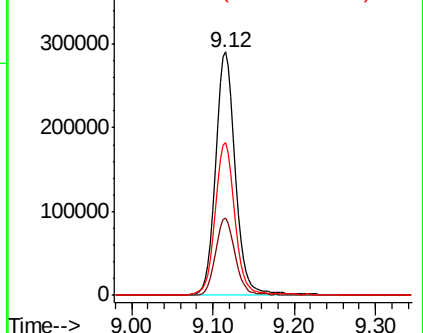
#51
Chlorobenzene
Concen: 49.912 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU031053.D
Acq: 11 Apr 2019 08:49

Instrument :
MSVOA_U
ClientSampleId :
DB715MSD

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.2	41.2
77	62.8	51.7	77.5

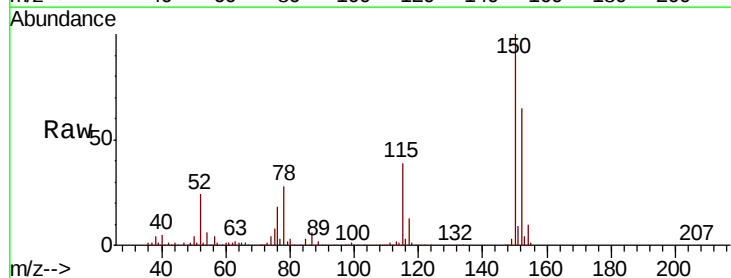


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V



#59
1,2,3-Trichloropropane
Concen: 4.839 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU031053.D
Acq: 11 Apr 2019 08:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	38.0	26.1	39.1



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

