

Data File : VU032559.D
Acq On : 10 Jun 2019 12:34
Operator : JC/SP
Sample : K3277-05MSD
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB8B0MSD

Quant Time: Jun 11 04:44:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 11 04:40:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	207796	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	193167	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	102405	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	64957	48.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.36%
7) Chloroethane-d5	1.67	69	52861	48.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.58%
11) 1,1-Dichloroethene-d2	2.27	63	130342	49.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.76%
21) 2-Butanone-d5	4.17	46	129763	115.02	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.02%
24) Chloroform-d	4.64	84	118712	47.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.42%
26) 1,2-Dichloroethane-d4	5.30	65	79999	50.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.02%
32) Benzene-d6	5.33	84	251318	50.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.24%
36) 1,2-Dichloropropane-d6	6.32	67	78358	49.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.66%
41) Toluene-d8	7.56	98	235153	49.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.90%
43) trans-1,3-Dichloropropene-	7.85	79	39168	52.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.10%
47) 2-Hexanone-d5	8.31	63	85795	112.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.48%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	114600	50.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	11.85	152	99489	50.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.44%

Target Compounds

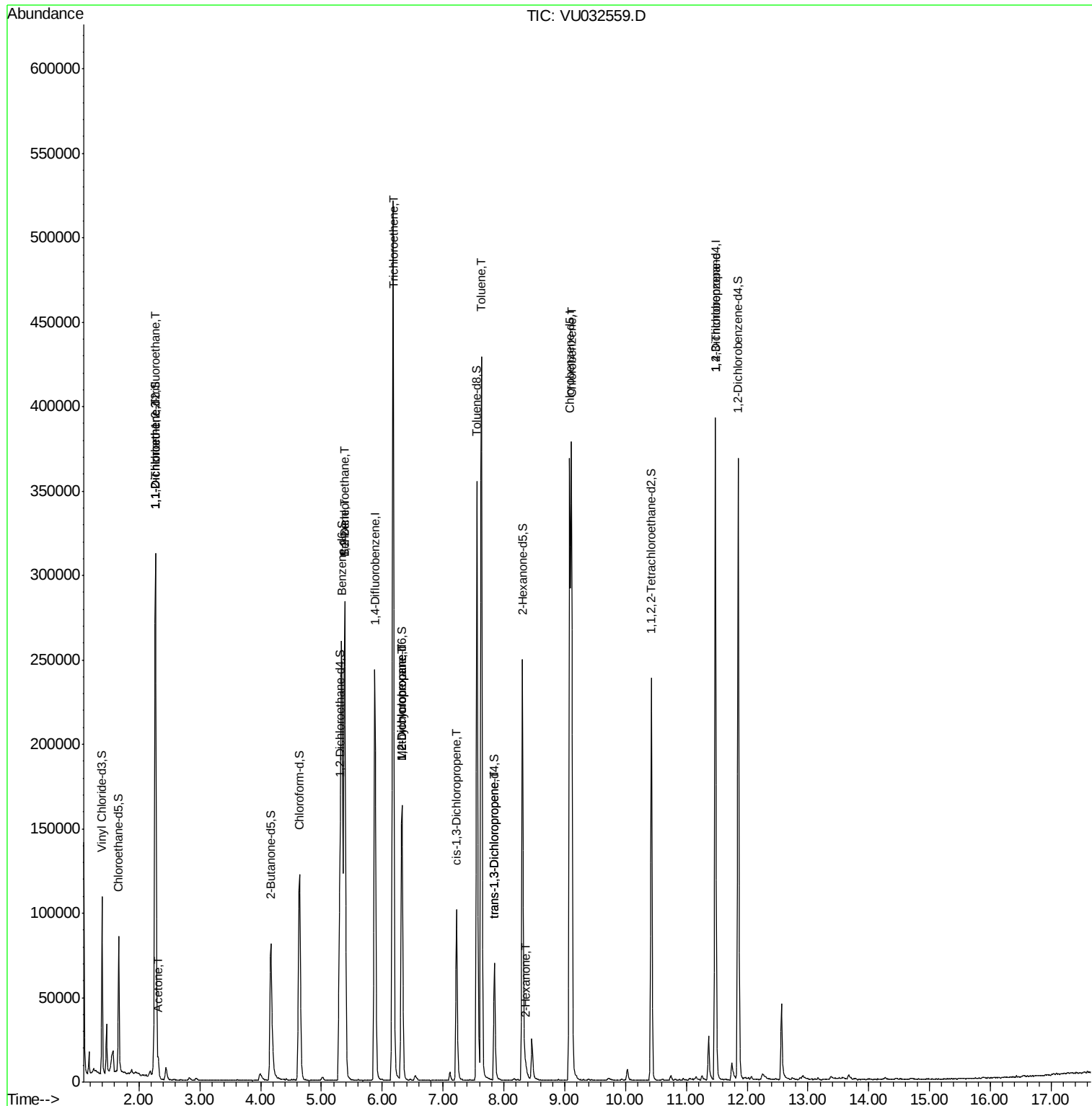
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	988	0.778	ug/L #	18
12) 1,1-Dichloroethene	2.28	96	61308	49.722	ug/L	87
13) Acetone	2.32	43	11749	10.093	ug/L	96
27) 1,2-Dichloroethane	5.38	62	2381	1.198	ug/L #	75
33) Benzene	5.38	78	276516	50.949	ug/L	100
34) Trichloroethene	6.18	95	171839	116.376	ug/L	97
35) Methylcyclohexane	6.32	83	18175	7.603	ug/L #	20
37) 1,2-Dichloropropane	6.32	63	8946	6.218	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2721	1.199	ug/L #	64
42) Toluene	7.63	91	310227	52.193	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	1765	0.876	ug/L	84
48) 2-Hexanone	8.37	43	4256	2.239	ug/L #	90
51) Chlorobenzene	9.11	112	195116	50.951	ug/L	100
59) 1,2,3-Trichloropropane	11.48	75	12083	6.460	ug/L	89

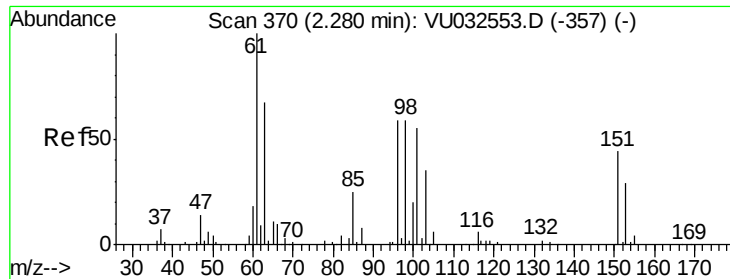
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#10

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

Concen: 0.778 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU032559.D

Acq: 10 Jun 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

DB8B0MSD

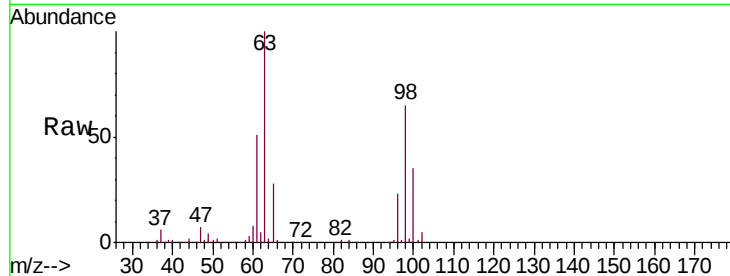
Tgt Ion: 101 Resp: 988

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

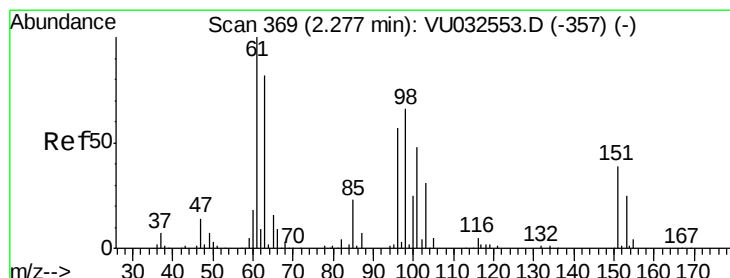
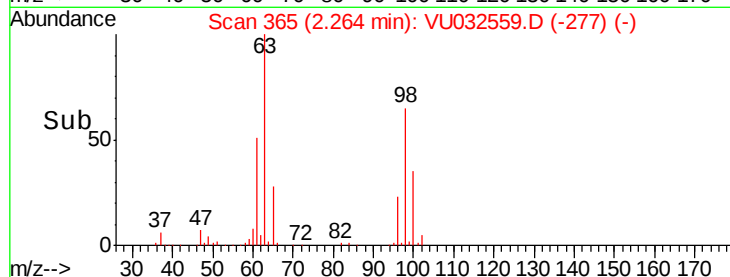
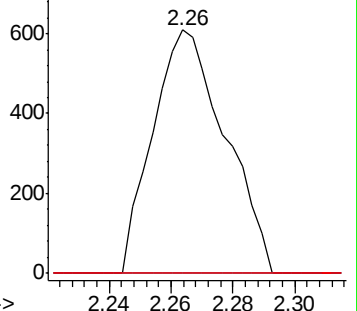
151 0.0 63.0 94.4#



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: 49.722 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032559.D

Acq: 10 Jun 2019 12:34

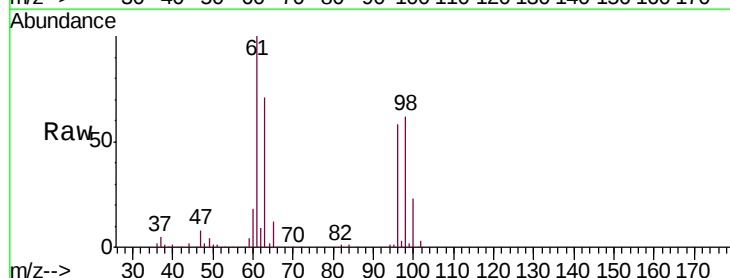
Tgt Ion: 96 Resp: 61308

Ion Ratio Lower Upper

96 100

61 173.6 129.5 240.5

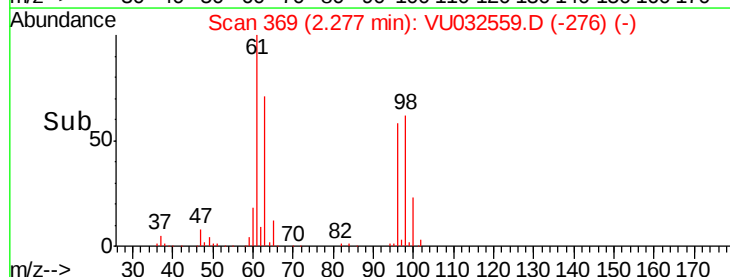
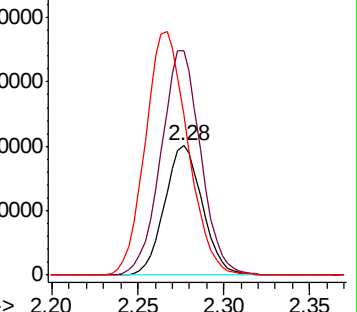
63 124.1 103.4 192.0

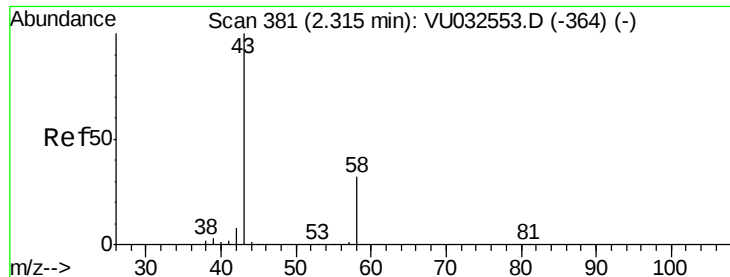


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 10.093 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU032559.D

Acq: 10 Jun 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

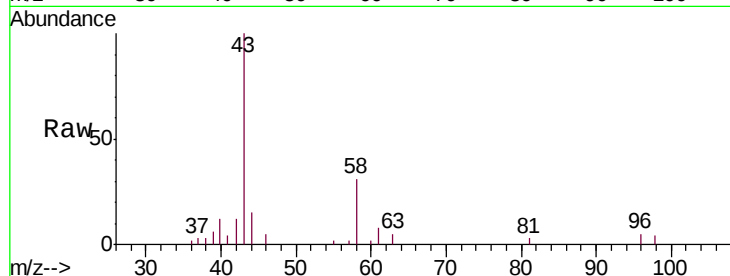
DB8B0MSD

Tgt Ion: 43 Resp: 11749

Ion Ratio Lower Upper

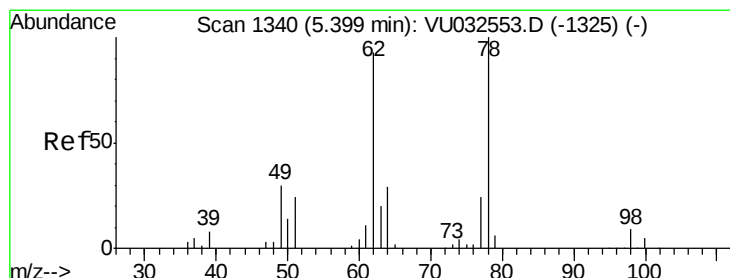
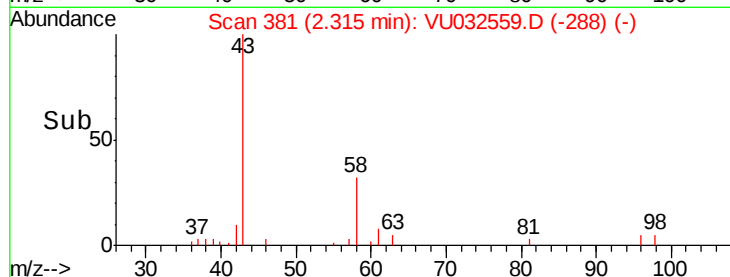
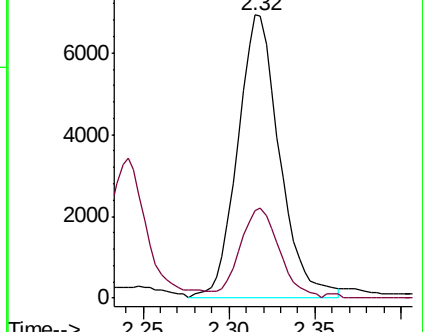
43 100

58 30.0 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032553.D (-364) (-)

Ion 58.00 (57.70 to 58.70): VU032553.D (-364) (-)



#27

1,2-Dichloroethane

Concen: 1.198 ug/L

RT: 5.38 min Scan# 1334

Delta R.T. -0.02 min

Lab File: VU032559.D

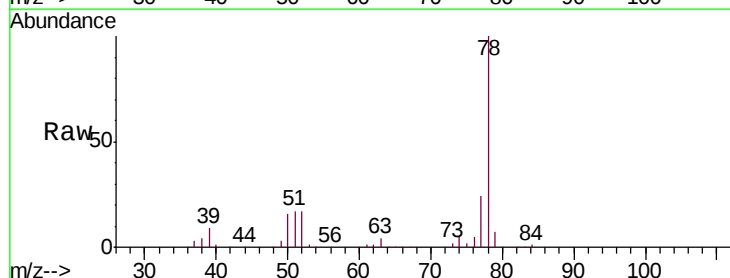
Acq: 10 Jun 2019 12:34

Tgt Ion: 62 Resp: 2381

Ion Ratio Lower Upper

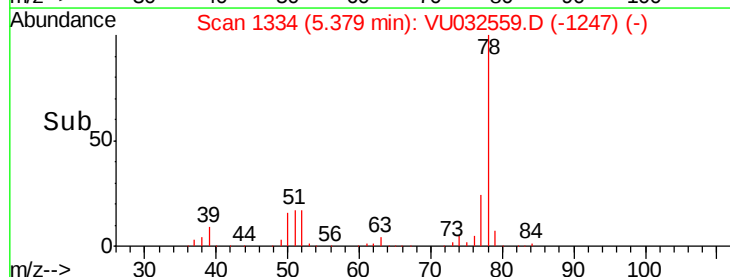
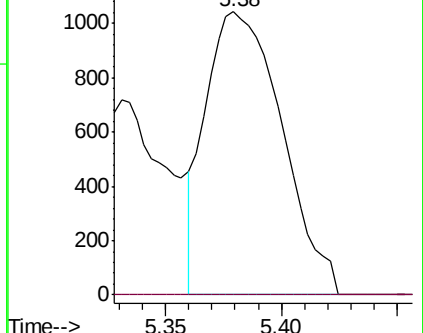
62 100

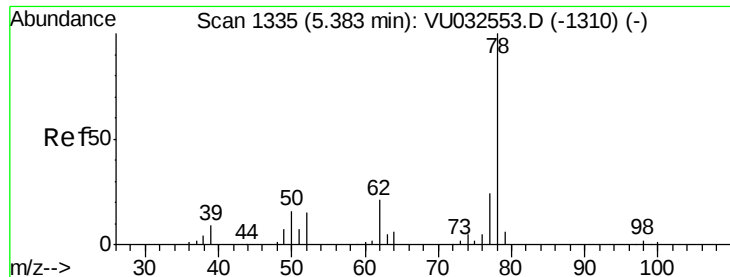
98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU032553.D (-1325) (-)

Ion 98.00 (97.70 to 98.70): VU032553.D (-1325) (-)





#33

Benzene

Concen: 50.949 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU032559.D

Acq: 10 Jun 2019 12:34

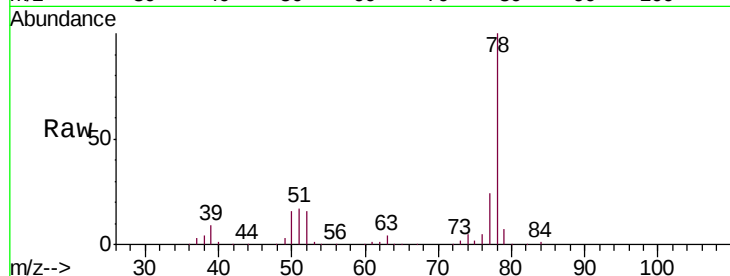
Instrument :

MSVOA_U

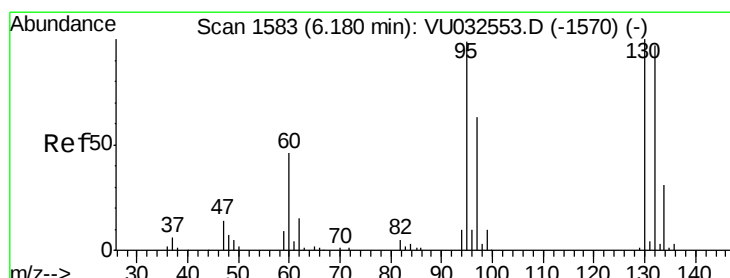
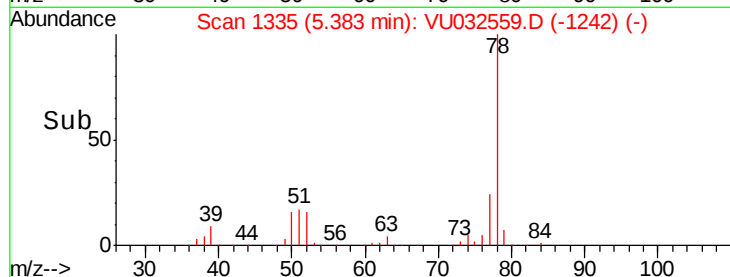
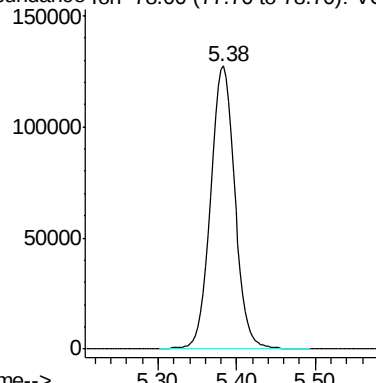
ClientSampleId :

DB8B0MSD

Tgt Ion: 78 Resp: 276516



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 116.376 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VU032559.D

Acq: 10 Jun 2019 12:34

Tgt Ion: 95 Resp: 171839

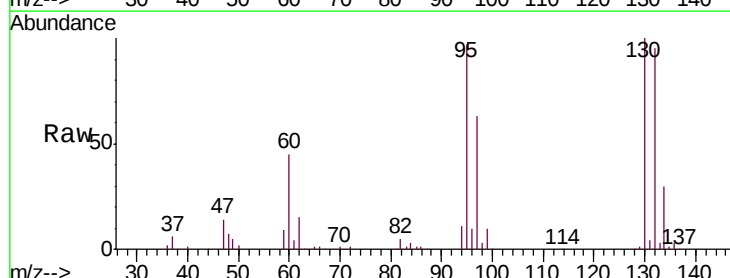
Ion	Ratio	Lower	Upper
95	100		
97	64.5	45.8	85.2
132	97.5	71.0	131.8
130	102.7	73.4	136.2

Ion 95.00 (94.70 to 95.70): VU0

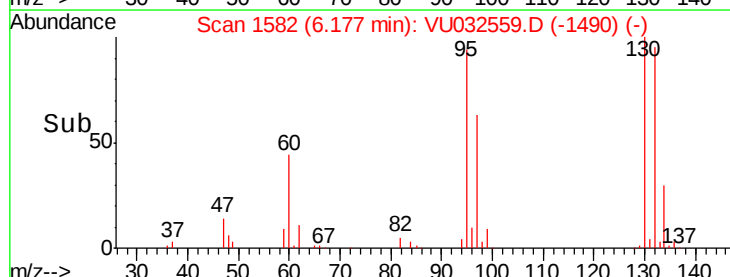
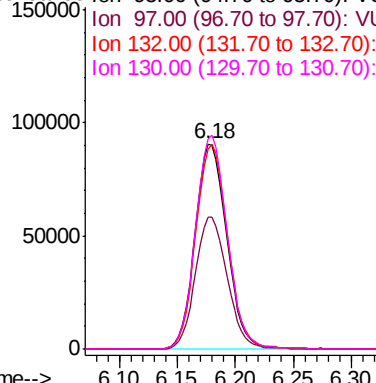
Ion 97.00 (96.70 to 97.70): VU0

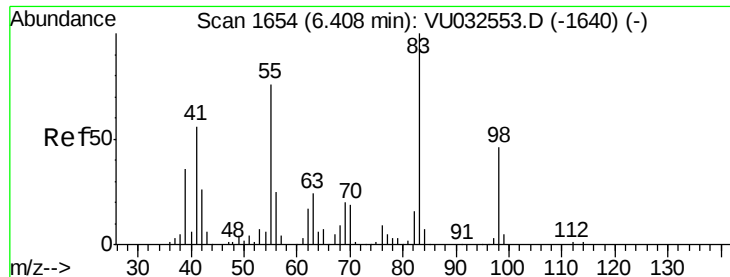
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



Abundance Ion 95.00 (94.70 to 95.70): VU0

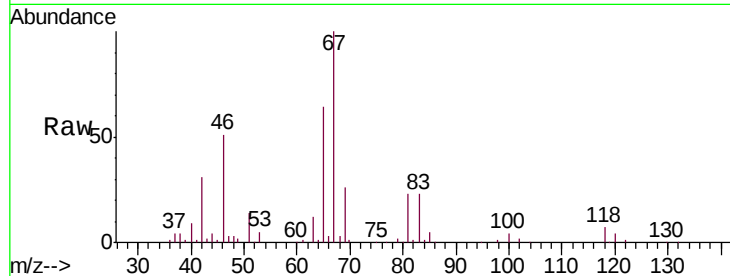




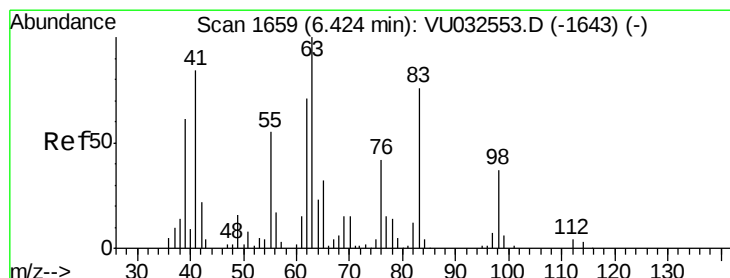
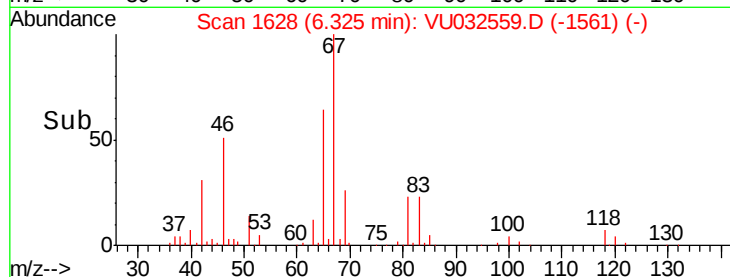
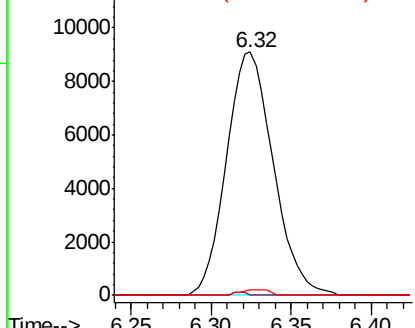
#35
Methylcyclohexane
Concen: 7.603 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU032559.D
Acq: 10 Jun 2019 12:34

Instrument :
MSVOA_U
ClientSampleId :
DB8B0MSD

Tgt Ion: 83 Resp: 18175
Ion Ratio Lower Upper
83 100
55 0.4 60.2 90.4#
98 1.4 37.4 56.2#

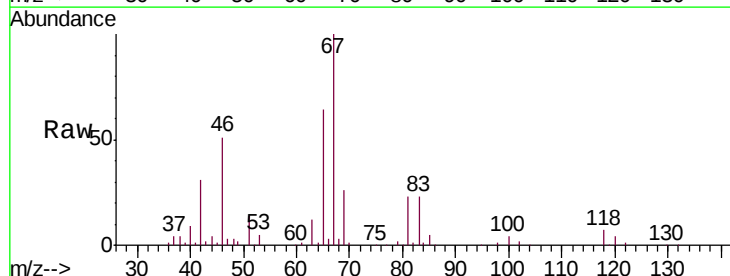


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

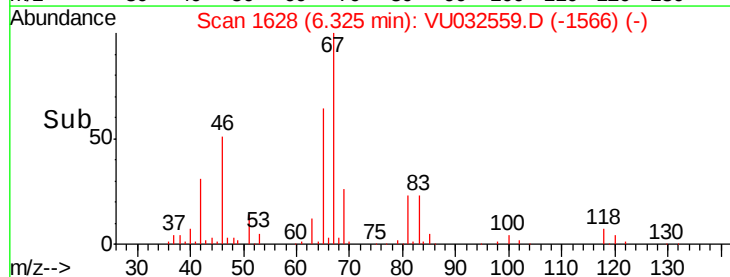
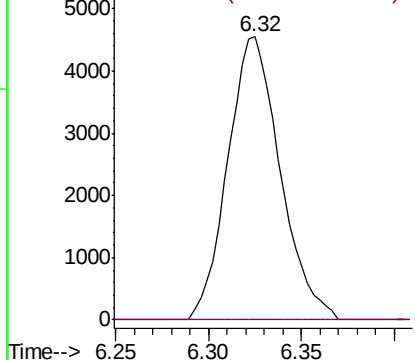


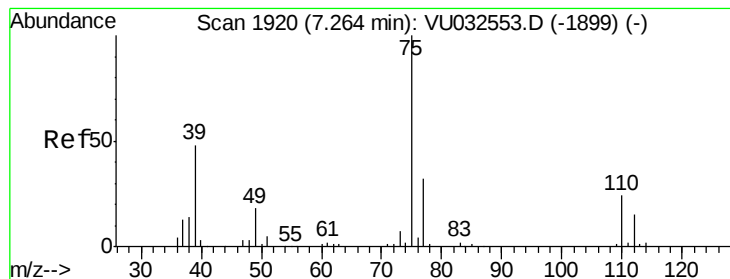
#37
1,2-Dichloropropane
Concen: 6.218 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.10 min
Lab File: VU032559.D
Acq: 10 Jun 2019 12:34

Tgt Ion: 63 Resp: 8946
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



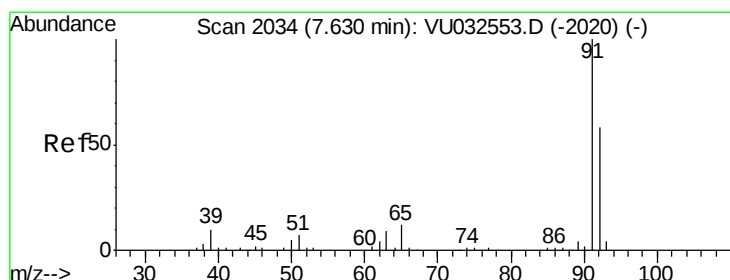
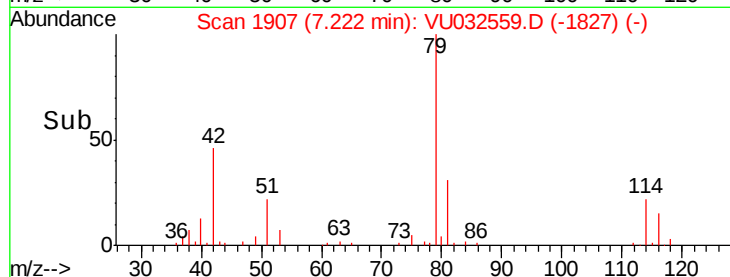
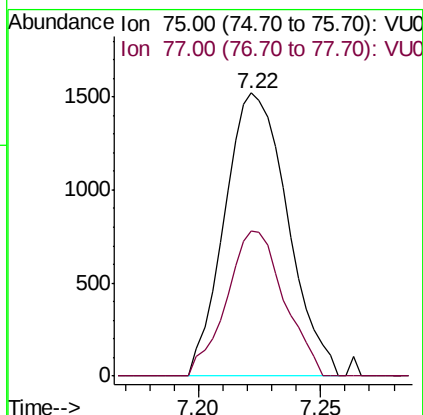
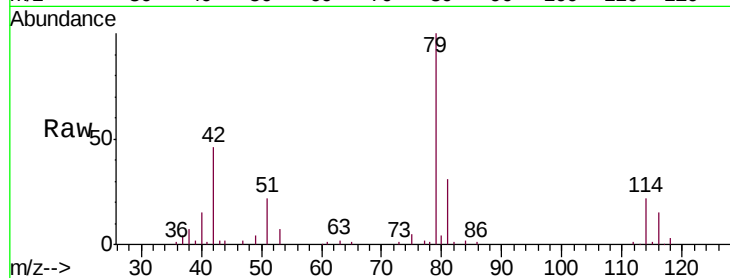


#39

cis-1,3-Dichloropropene
 Concen: 1.199 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU032559.D
 Acq: 10 Jun 2019 12:34

Instrument :
 MSVOA_U
 ClientSampleId :
 DB8B0MSD

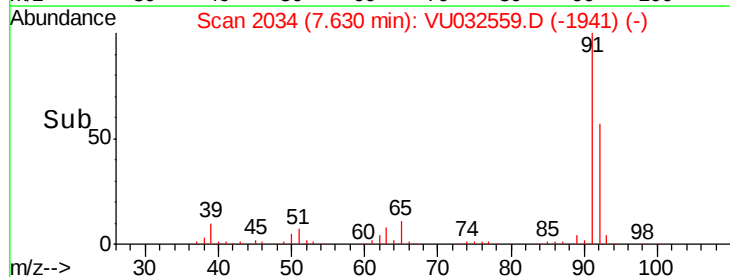
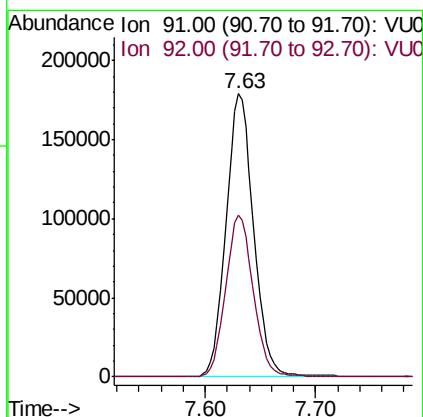
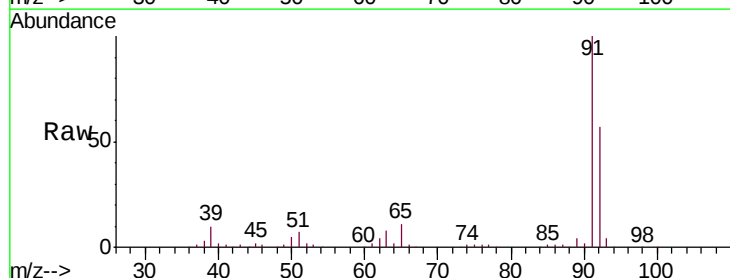
Tgt Ion: 75 Resp: 2721
 Ion Ratio Lower Upper
 75 100
 77 51.3 22.0 41.0#

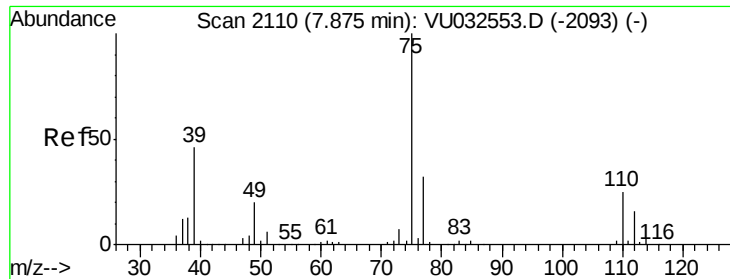


#42

Toluene
 Concen: 52.193 ug/L
 RT: 7.63 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU032559.D
 Acq: 10 Jun 2019 12:34

Tgt Ion: 91 Resp: 310227
 Ion Ratio Lower Upper
 91 100
 92 57.2 39.7 73.7

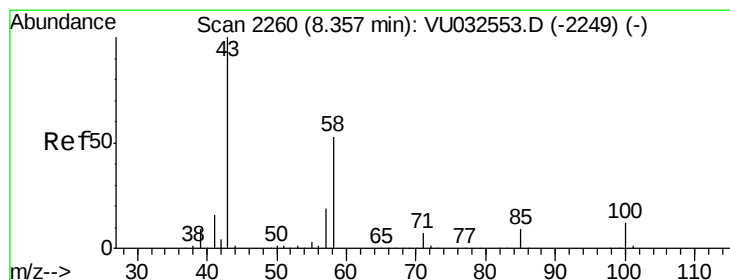
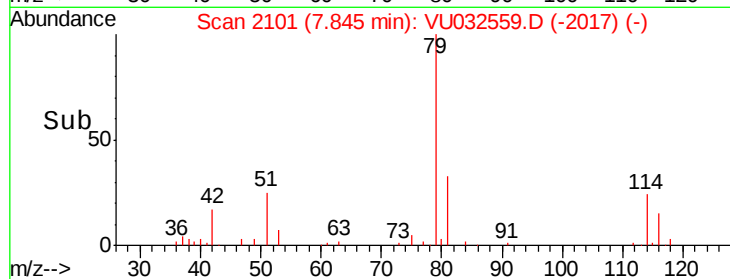
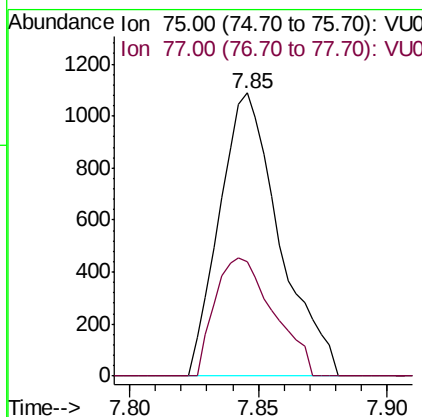
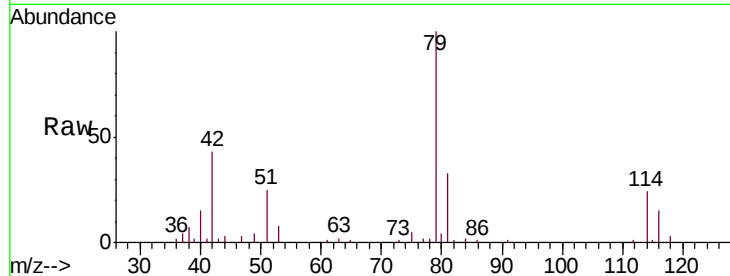




#44
trans-1,3-Dichloropropene
Concen: 0.876 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU032559.D
Acq: 10 Jun 2019 12:34

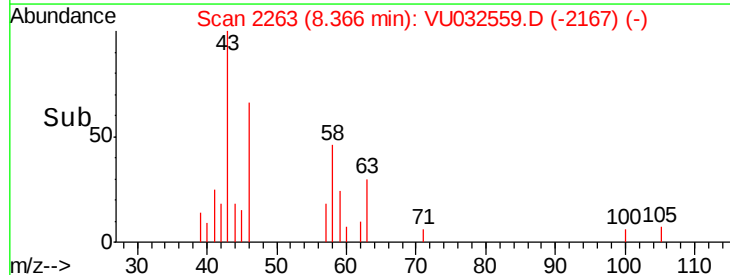
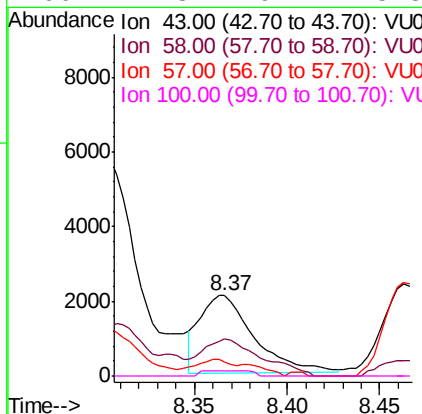
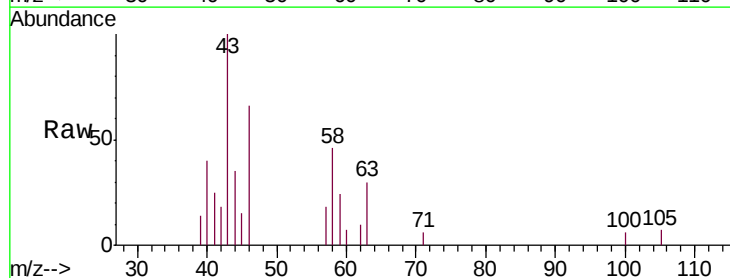
Instrument :
MSVOA_U
ClientSampleId :
DB8B0MSD

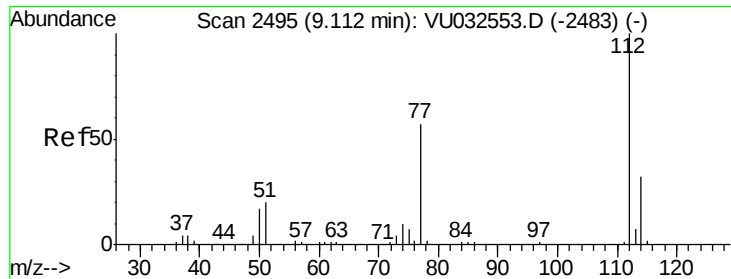
Tgt Ion: 75 Resp: 1765
Ion Ratio Lower Upper
75 100
77 40.6 22.1 41.1



#48
2-Hexanone
Concen: 2.239 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU032559.D
Acq: 10 Jun 2019 12:34

Tgt Ion: 43 Resp: 4256
Ion Ratio Lower Upper
43 100
58 51.3 42.0 63.0
57 6.7 14.6 22.0#
100 1.8 9.2 13.8#

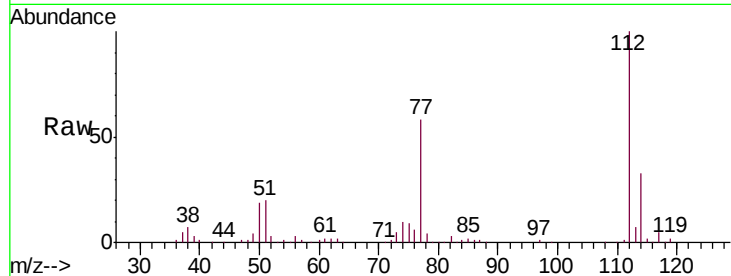




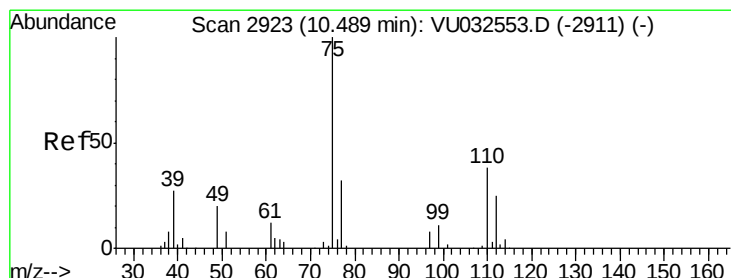
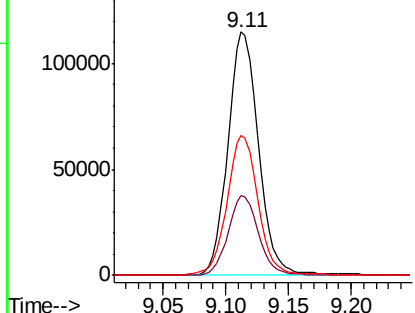
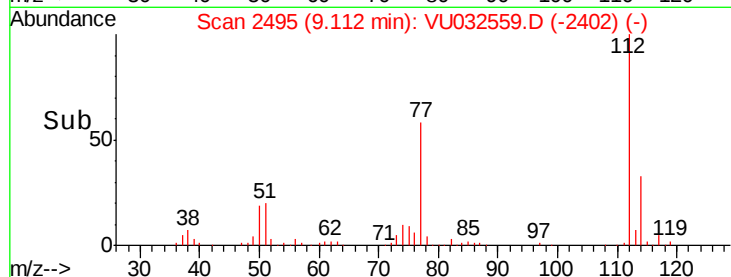
#51
Chlorobenzene
Concen: 50.951 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. -0.00 min
Lab File: VU032559.D
Acq: 10 Jun 2019 12:34

Instrument :
MSVOA_U
ClientSampleId :
DB8B0MSD

Tgt Ion: 112 Resp: 195116
Ion Ratio Lower Upper
112 100
114 32.7 22.6 42.0
77 57.7 46.1 69.1

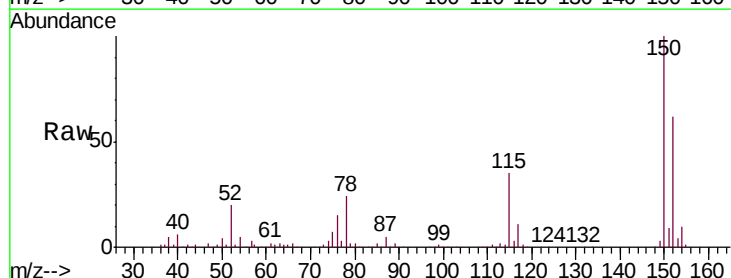


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V



#59
1,2,3-Trichloropropane
Concen: 6.460 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU032559.D
Acq: 10 Jun 2019 12:34

Tgt Ion: 75 Resp: 12083
Ion Ratio Lower Upper
75 100
77 38.2 25.6 38.4



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

