

Data File : VU032562.D
Acq On : 10 Jun 2019 13:43
Operator : JC/SP
Sample : K3278-03MSD
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB8C9MSD

Quant Time: Jun 11 04:45:17 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	200859	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	186873	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	97111	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	65126	49.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.94%
7) Chloroethane-d5	1.67	69	53074	50.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.36%
11) 1,1-Dichloroethene-d2	2.27	63	125604	49.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.46%
21) 2-Butanone-d5	4.17	46	111663	102.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.39%
24) Chloroform-d	4.64	84	119970	49.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.72%
26) 1,2-Dichloroethane-d4	5.30	65	82115	53.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.26%
32) Benzene-d6	5.33	84	251729	51.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.78%
36) 1,2-Dichloropropane-d6	6.32	67	79910	52.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.06%
41) Toluene-d8	7.56	98	236772	51.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.94%
43) trans-1,3-Dichloropropene-	7.85	79	38483	52.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.72%
47) 2-Hexanone-d5	8.31	63	75422	102.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.21%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	111242	50.47	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.94%
64) 1,2-Dichlorobenzene-d4	11.85	152	99862	53.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.38%

Target Compounds

					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	977	0.796	ug/L #	18
12) 1,1-Dichloroethene	2.28	96	57427	48.183	ug/L	92
13) Acetone	2.32	43	3384	3.007	ug/L	88
27) 1,2-Dichloroethane	5.38	62	2343	1.220	ug/L #	75
33) Benzene	5.38	78	259266	49.379	ug/L	100
34) Trichloroethene	6.18	95	67208	47.049	ug/L	98
37) 1,2-Dichloropropane	6.32	63	8796	6.320	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2700	1.229	ug/L #	77
42) Toluene	7.63	91	287618	50.019	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	1812	0.930	ug/L #	80
48) 2-Hexanone	8.37	43	2756	1.499	ug/L #	52
51) Chlorobenzene	9.11	112	181651	49.033	ug/L	99
53) m,p-Xylene	9.38	106	2415	0.991	ug/L	88
59) 1,2,3-Trichloropropane	11.48	75	11553	6.385	ug/L #	88
69) Naphthalene	13.76	128	9332	1.528	ug/L #	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061019\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
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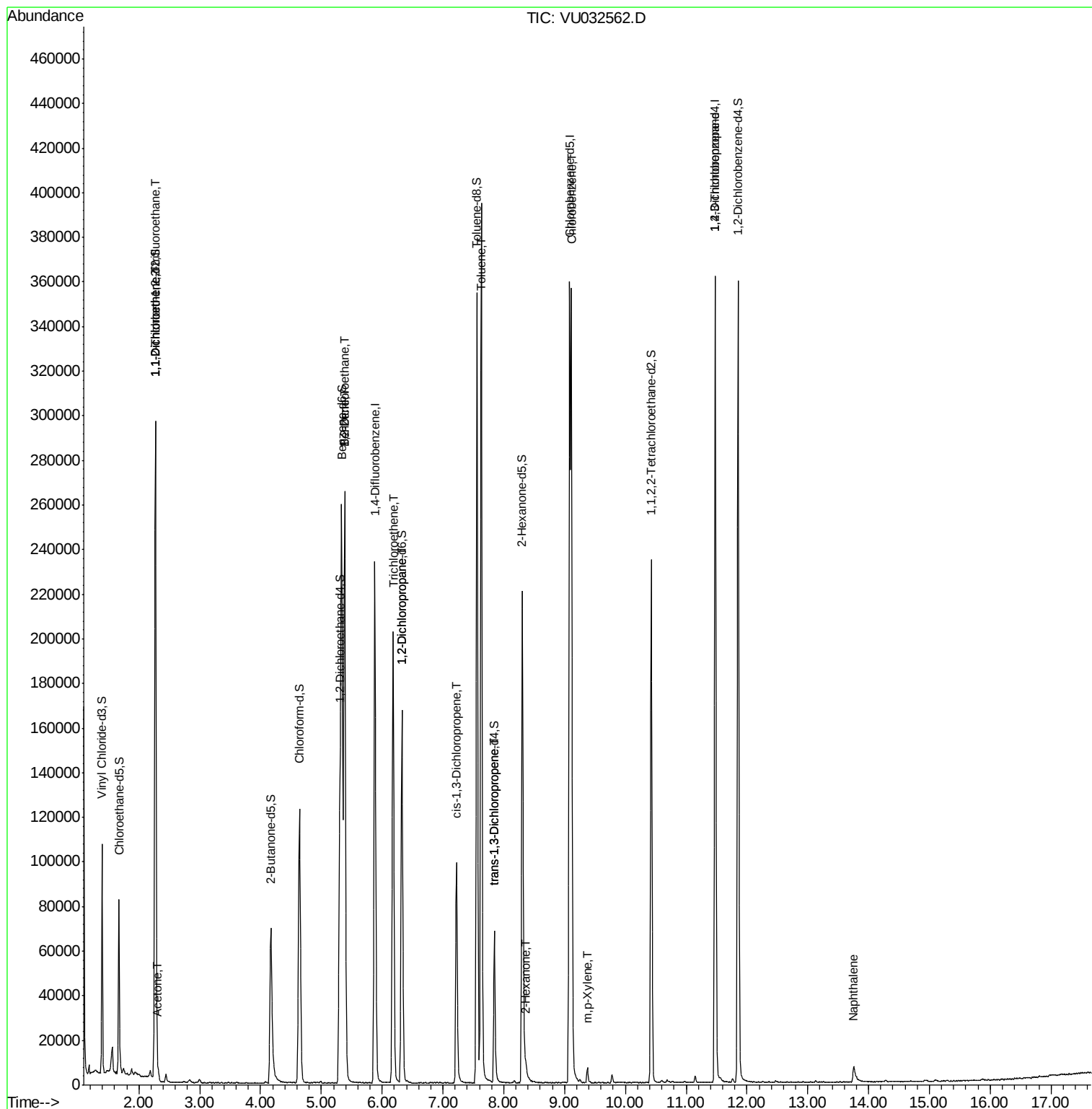
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

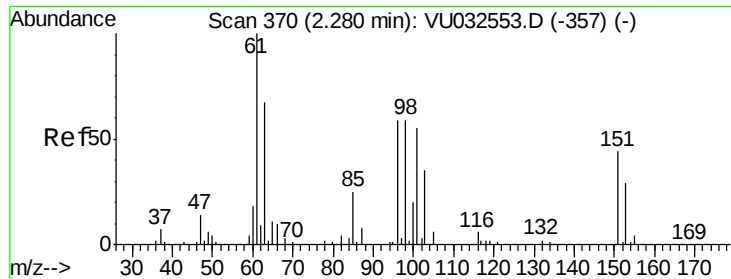
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#10

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

Concen: 0.796 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU032562.D

Acq: 10 Jun 2019 13:43

Instrument :

MSVOA_U

ClientSampleId :

DB8C9MSD

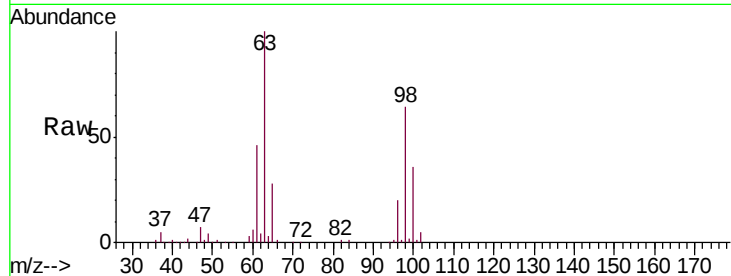
Tgt Ion: 101 Resp: 977

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

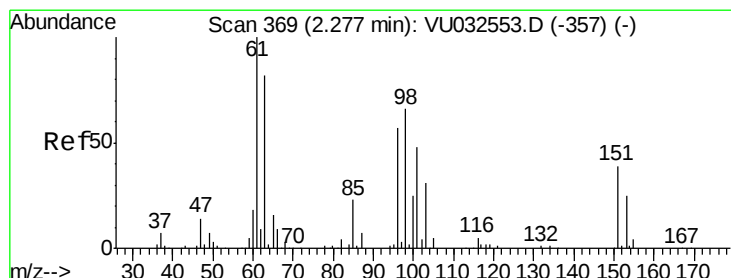
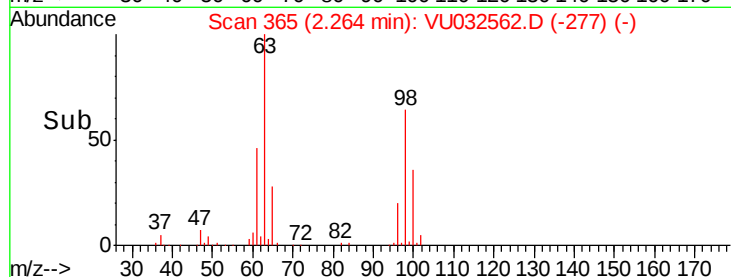
Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.26

2.24 2.26 2.28 2.30

Time-->



#12

1,1-Dichloroethene

Concen: 48.183 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032562.D

Acq: 10 Jun 2019 13:43

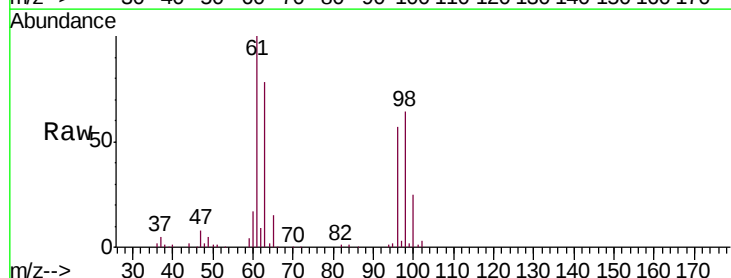
Tgt Ion: 96 Resp: 57427

Ion Ratio Lower Upper

96 100

61 175.4 129.5 240.5

63 136.8 103.4 192.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

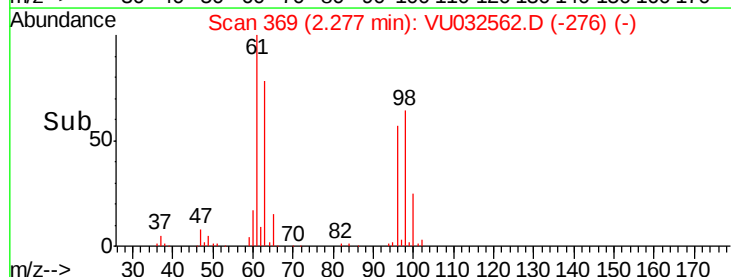
Ion 61.00 (60.70 to 61.70): VU0

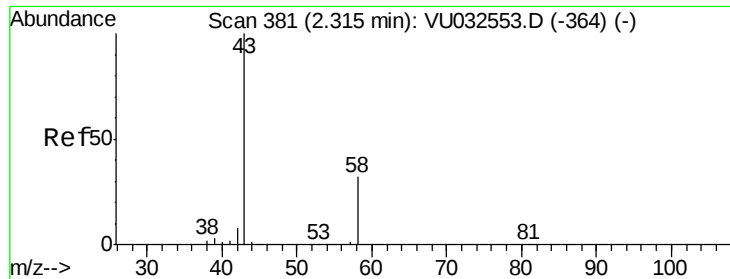
Ion 63.00 (62.70 to 63.70): VU0

2.28

2.20 2.25 2.30 2.35

Time-->





#13

Acetone

Concen: 3.007 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU032562.D

Acq: 10 Jun 2019 13:43

Instrument :

MSVOA_U

ClientSampleId :

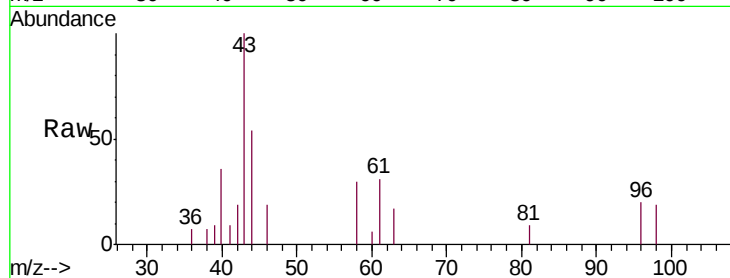
DB8C9MSD

Tgt Ion: 43 Resp: 3384

Ion Ratio Lower Upper

43 100

58 25.5 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) (-)

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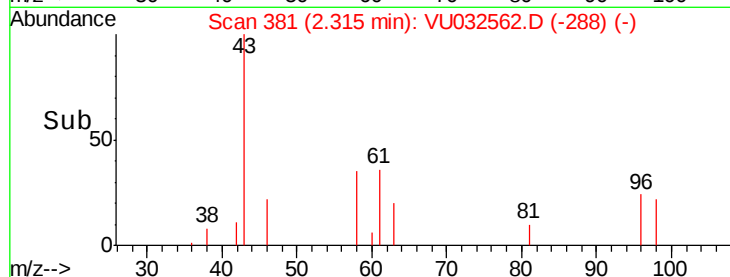
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Abundance Ion 43.00 (42.70 to 43.70): VU032553.D (-364) (-)

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

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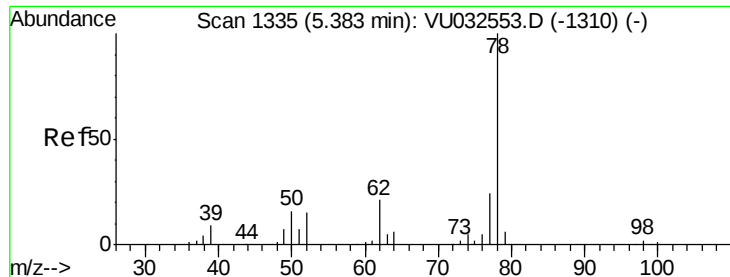
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#33

Benzene

Concen: 49.379 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

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Acq: 10 Jun 2019 13:43

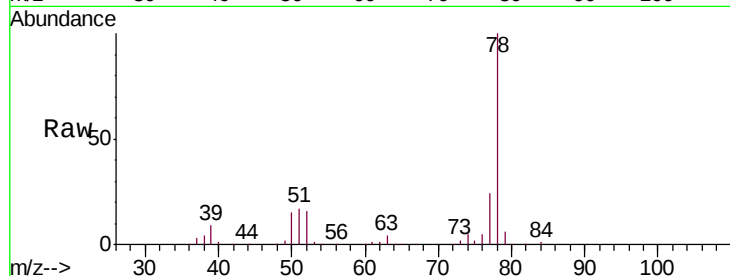
Instrument :

MSVOA_U

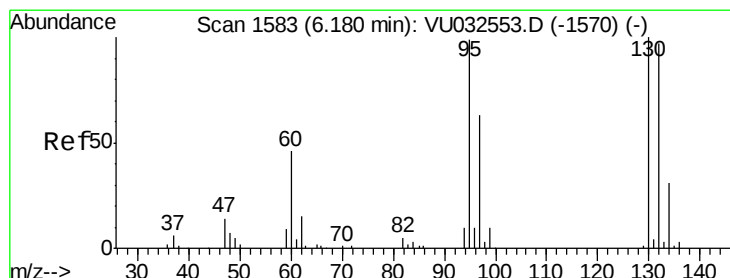
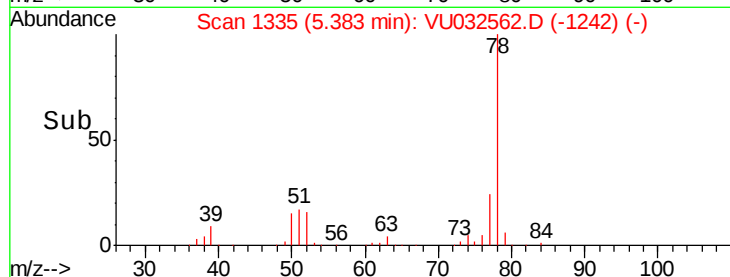
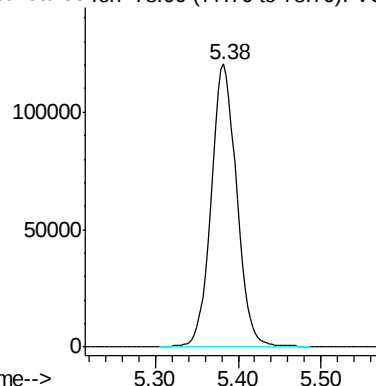
ClientSampleId :

DB8C9MSD

Tgt Ion: 78 Resp: 259266



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 47.049 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032562.D

Acq: 10 Jun 2019 13:43

Tgt Ion: 95 Resp: 67208

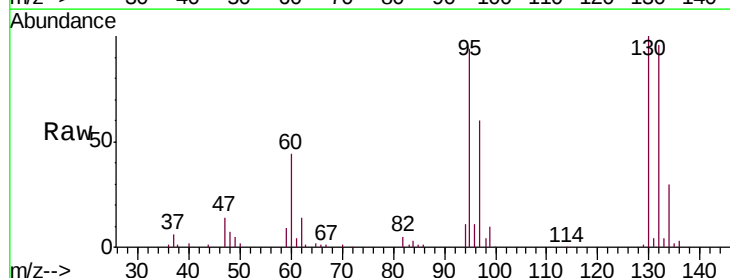
Ion	Ratio	Lower	Upper
95	100		
97	63.9	45.8	85.2
132	102.6	71.0	131.8
130	106.7	73.4	136.2

95 100

97 63.9 45.8 85.2

132 102.6 71.0 131.8

130 106.7 73.4 136.2

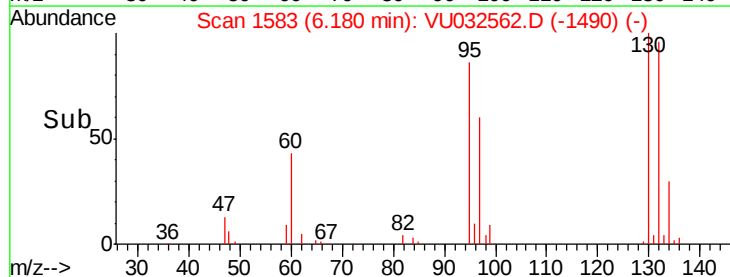
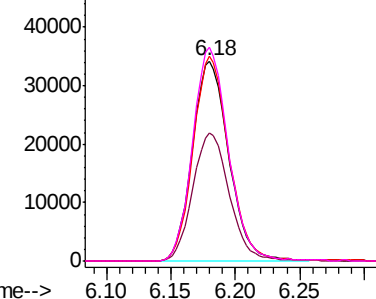


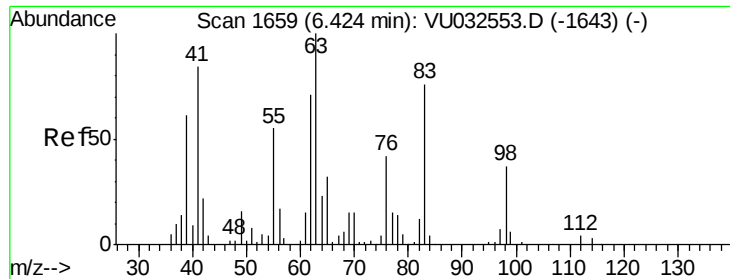
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

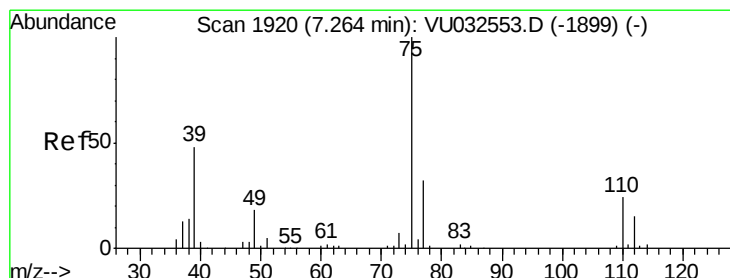
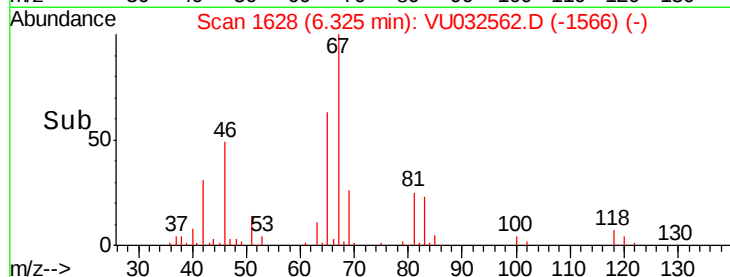
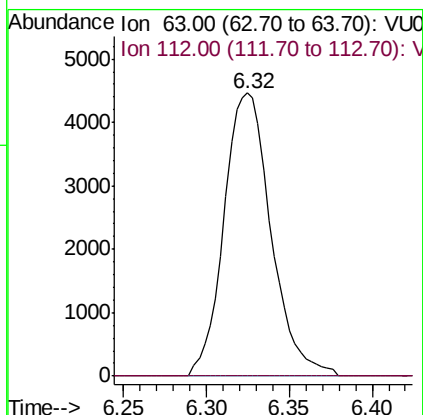
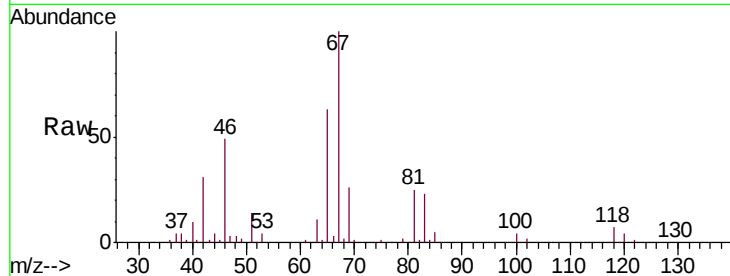




#37
 1,2-Dichloropropane
 Concen: 6.320 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU032562.D
 Acq: 10 Jun 2019 13:43

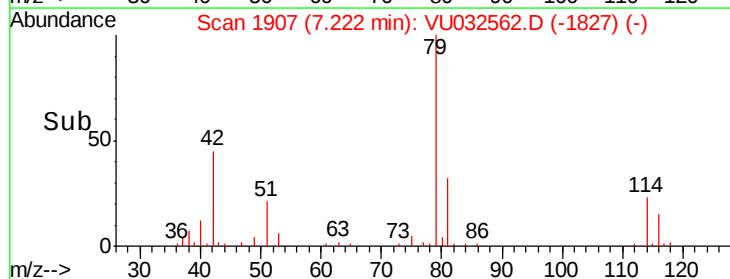
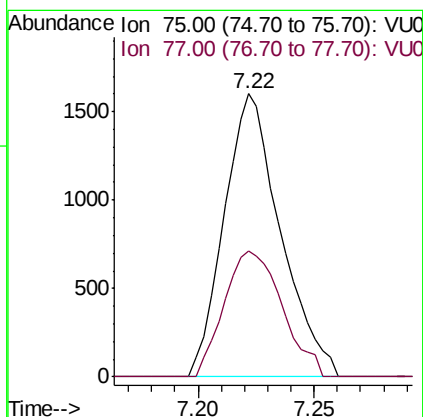
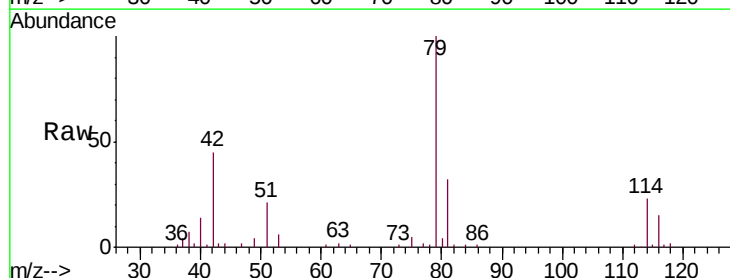
Instrument :
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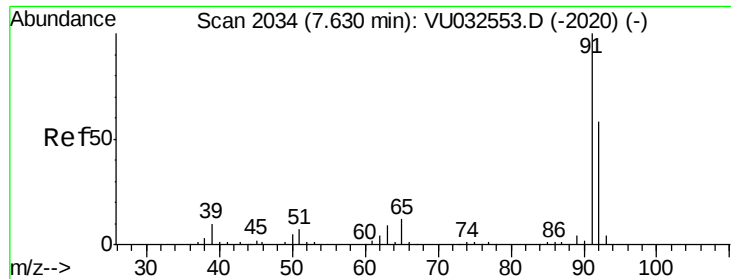
Tgt Ion: 63 Resp: 8796
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 1.229 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU032562.D
 Acq: 10 Jun 2019 13:43

Tgt Ion: 75 Resp: 2700
 Ion Ratio Lower Upper
 75 100
 77 44.5 22.0 41.0#





#42

Toluene

Concen: 50.019 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032562.D

Acq: 10 Jun 2019 13:43

Instrument :

MSVOA_U

ClientSampleId :

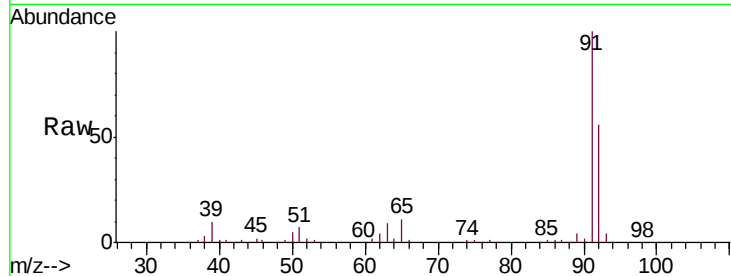
DB8C9MSD

Tgt Ion: 91 Resp: 287618

Ion Ratio Lower Upper

91 100

92 55.6 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU032553.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU032553.D (-2020) (-)

7.63

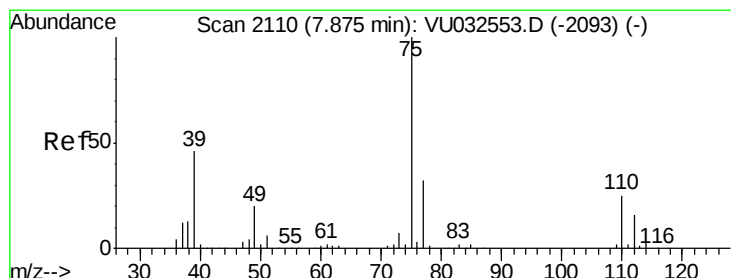
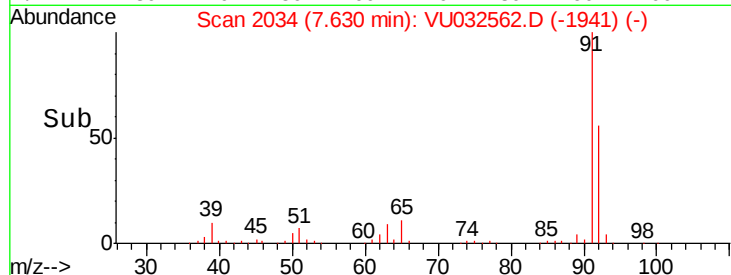
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.930 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032562.D

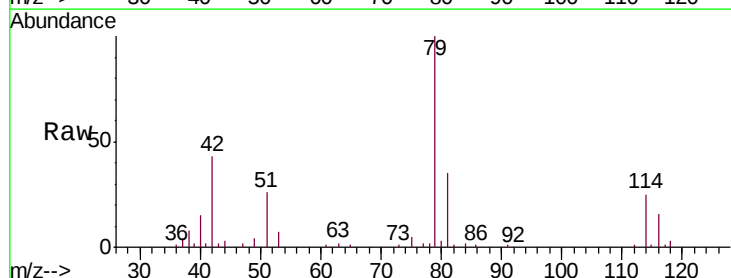
Acq: 10 Jun 2019 13:43

Tgt Ion: 75 Resp: 1812

Ion Ratio Lower Upper

75 100

77 42.4 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU032553.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU032553.D (-2093) (-)

7.85

1200

1000

800

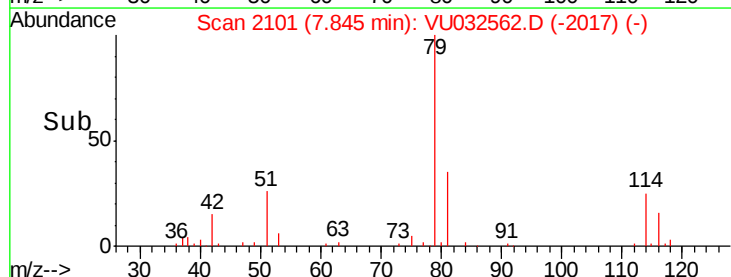
600

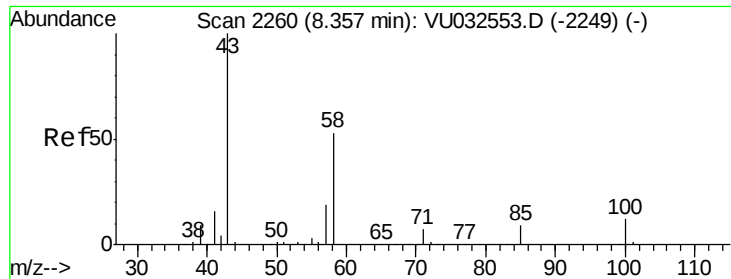
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200

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Time-->

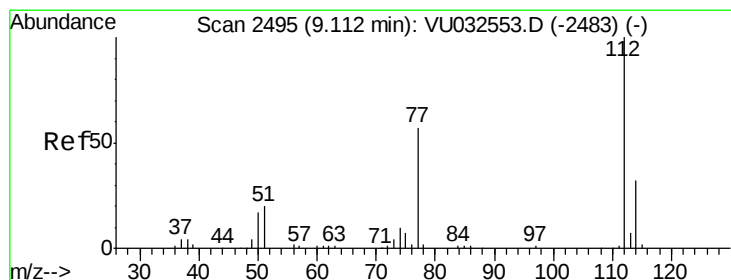
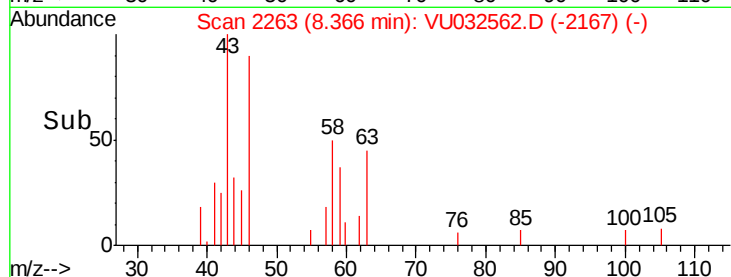
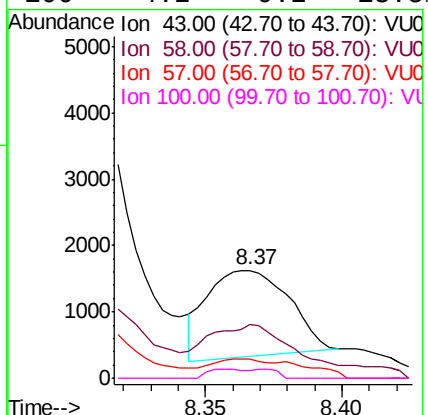
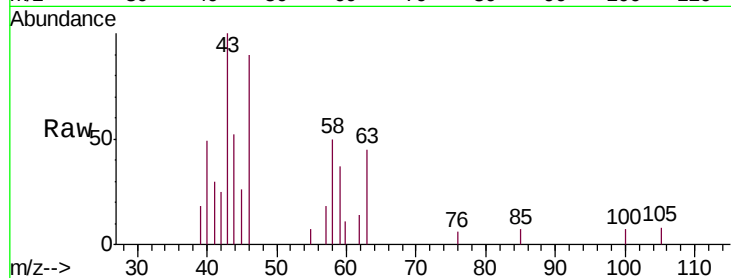




#48
2-Hexanone
Concen: 1.499 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU032562.D
Acq: 10 Jun 2019 13:43

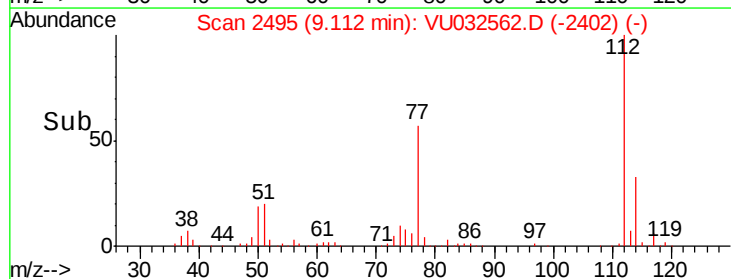
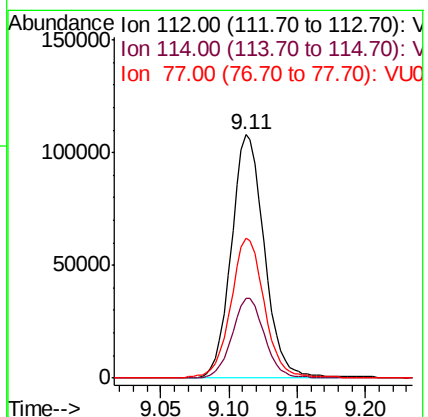
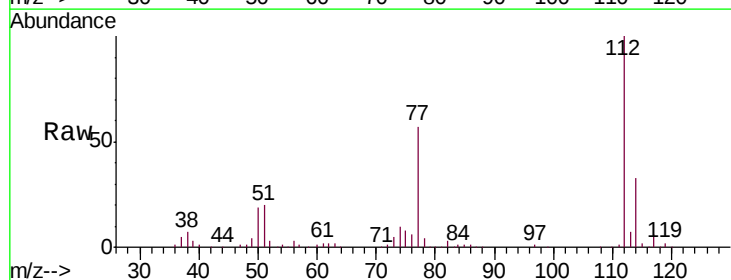
Instrument :
MSVOA_U
ClientSampleId :
DB8C9MSD

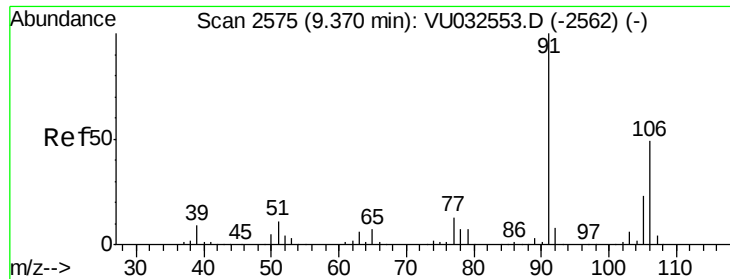
Tgt Ion: 43 Resp: 2756
Ion Ratio Lower Upper
43 100
58 9.4 42.0 63.0#
57 6.0 14.6 22.0#
100 4.2 9.2 13.8#



#51
Chlorobenzene
Concen: 49.033 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. -0.00 min
Lab File: VU032562.D
Acq: 10 Jun 2019 13:43

Tgt Ion: 112 Resp: 181651
Ion Ratio Lower Upper
112 100
114 32.7 22.6 42.0
77 57.3 46.1 69.1

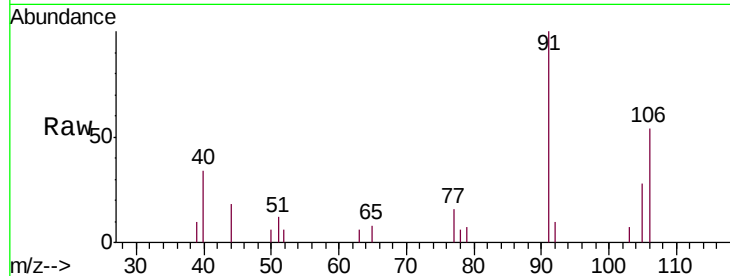




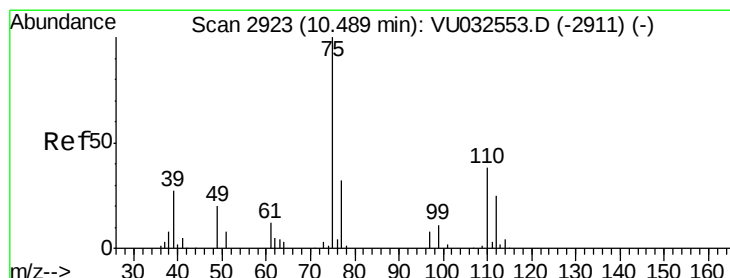
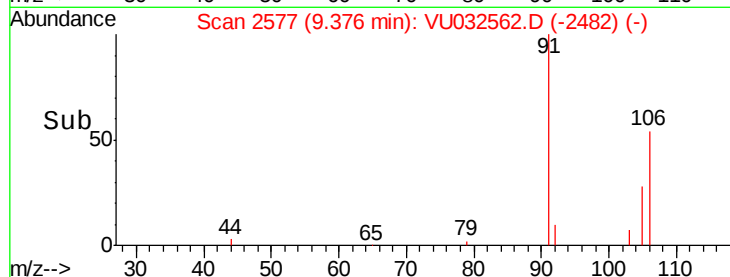
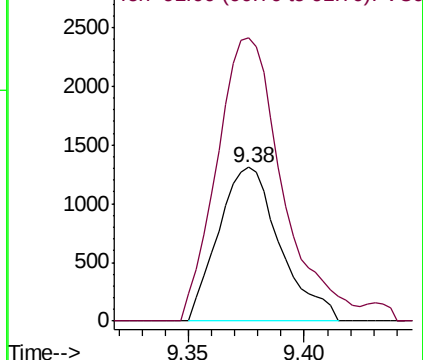
#53
 m,p-Xylene
 Concen: 0.991 ug/L
 RT: 9.38 min Scan# 2577
 Delta R.T. 0.01 min
 Lab File: VU032562.D
 Acq: 10 Jun 2019 13:43

Instrument :
 MSVOA_U
 ClientSampleId :
 DB8C9MSD

Tgt Ion: 106 Resp: 2415
 Ion Ratio Lower Upper
 106 100
 91 184.3 141.7 263.1

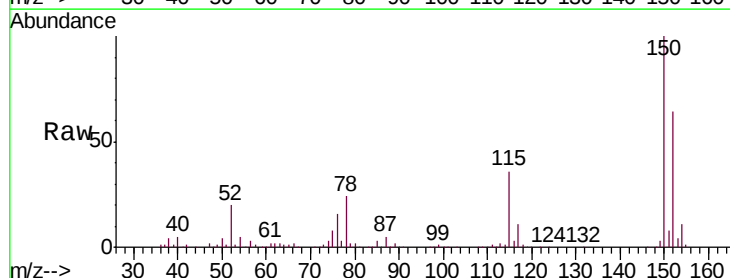


Abundance Ion 106.00 (105.70 to 106.70): VU032553.D (-2562) (-)
 Ion 91.00 (90.70 to 91.70): VU032553.D (-2562) (-)

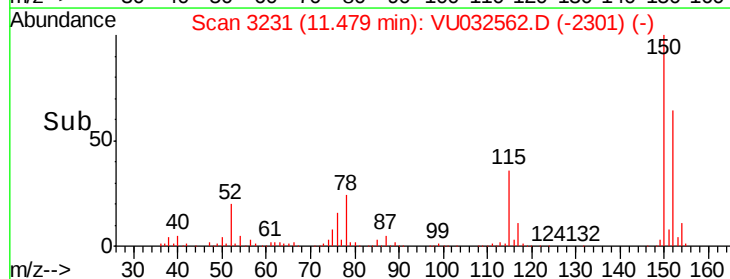
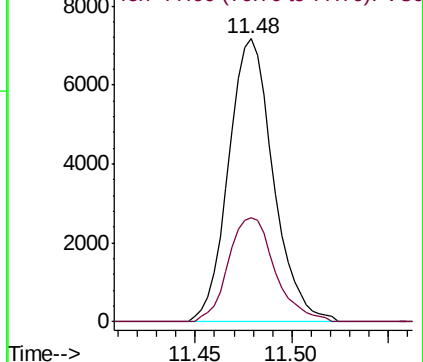


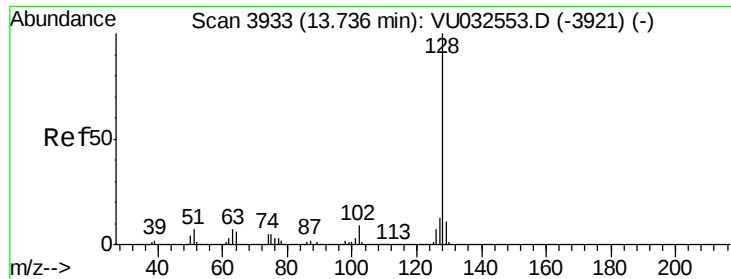
#59
 1,2,3-Trichloropropane
 Concen: 6.385 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU032562.D
 Acq: 10 Jun 2019 13:43

Tgt Ion: 75 Resp: 11553
 Ion Ratio Lower Upper
 75 100
 77 38.5 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VU032553.D (-2911) (-)
 Ion 77.00 (76.70 to 77.70): VU032553.D (-2911) (-)





#69

Naphthalene

Concen: 1.528 ug/L

RT: 13.76 min Scan# 3939

Delta R.T. 0.02 min

Lab File: VU032562.D

Acq: 10 Jun 2019 13:43

Instrument :

MSVOA_U

ClientSampleId :

DB8C9MSD

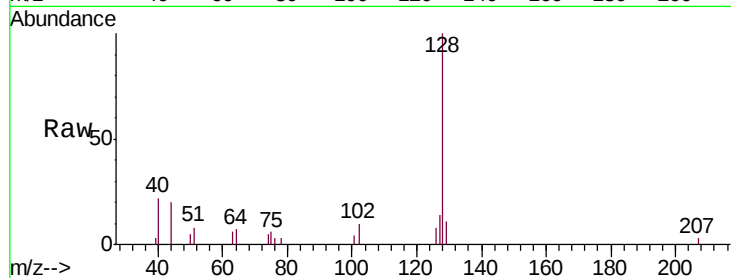
Tgt Ion:128 Resp: 9332

Ion Ratio Lower Upper

128 100

127 9.9 10.4 15.6#

129 8.9 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

