

Data File : VU032589.D
Acq On : 11 Jun 2019 00:37
Operator : JC/SP
Sample : K3278-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB8D0

Quant Time: Jun 11 05:44:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 11 05:38:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	183441	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	171438	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	85818	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	56710	47.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.30%
7) Chloroethane-d5	1.68	69	46936	49.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.16%
11) 1,1-Dichloroethene-d2	2.27	63	86728	37.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.44%
21) 2-Butanone-d5	4.17	46	98383	98.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.78%
24) Chloroform-d	4.64	84	109998	49.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.12%
26) 1,2-Dichloroethane-d4	5.30	65	72470	51.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.66%
32) Benzene-d6	5.33	84	229074	51.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.94%
36) 1,2-Dichloropropane-d6	6.32	67	71207	51.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.04%
41) Toluene-d8	7.56	98	210309	49.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.68%
43) trans-1,3-Dichloropropene-	7.85	79	32585	48.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.58%
47) 2-Hexanone-d5	8.31	63	61681	91.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.12%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	100349	49.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.24%
64) 1,2-Dichlorobenzene-d4	11.85	152	87463	53.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.42%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	735	0.656 ug/L #	18
12) 1,1-Dichloroethene	2.27	96	820	0.753 ug/L #	1
13) Acetone	2.32	43	2818	2.742 ug/L	95
27) 1,2-Dichloroethane	5.33	62	1325	0.755 ug/L #	75
33) Benzene	5.39	78	4598	0.955 ug/L	100
34) Trichloroethene	6.18	95	10260	7.829 ug/L	95
37) 1,2-Dichloropropane	6.32	63	8121	6.360 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2054	1.020 ug/L #	59
42) Toluene	7.64	91	9990	1.894 ug/L	100
44) trans-1,3-Dichloropropene	7.84	75	1561	0.873 ug/L	95
48) 2-Hexanone	8.36	43	4094	2.426 ug/L #	49
53) m,p-Xylene	9.37	106	2344	1.048 ug/L	88
54) o-xylene	9.78	106	1250	0.563 ug/L	92
59) 1,2,3-Trichloropropane	11.48	75	10370	6.247 ug/L	91
69) Naphthalene	13.76	128	5738	1.063 ug/L #	85

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

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

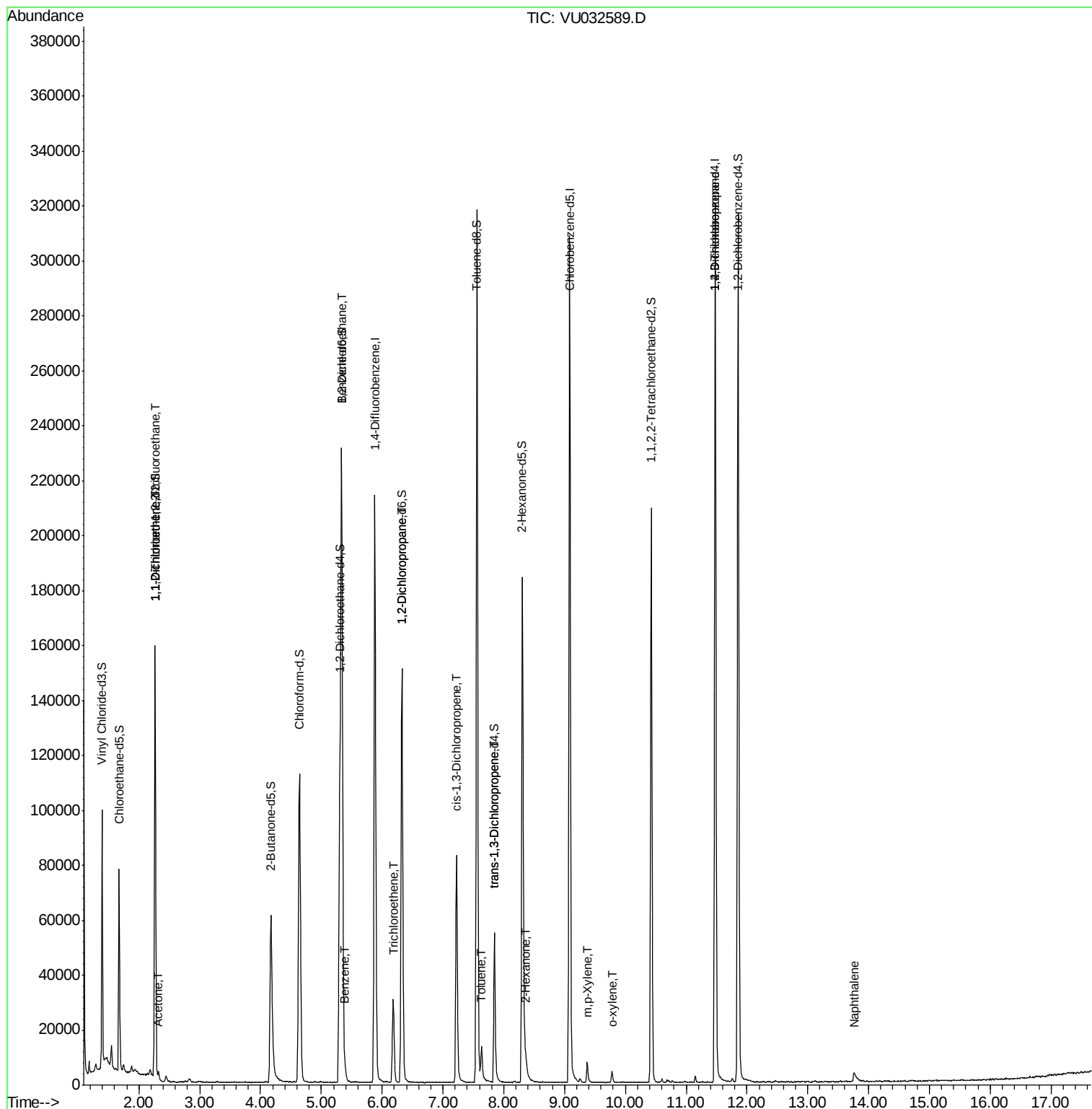
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

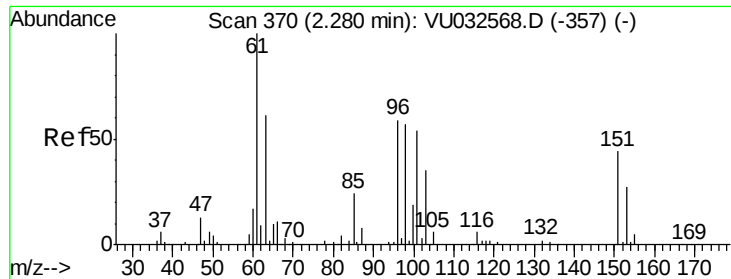
Data File : VU032589.D

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Operator     : JC/SP
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#10

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

Concen: 0.656 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032589.D

Acq: 11 Jun 2019 00:37

Instrument :

MSVOA_U

ClientSampleId :

DB8D0

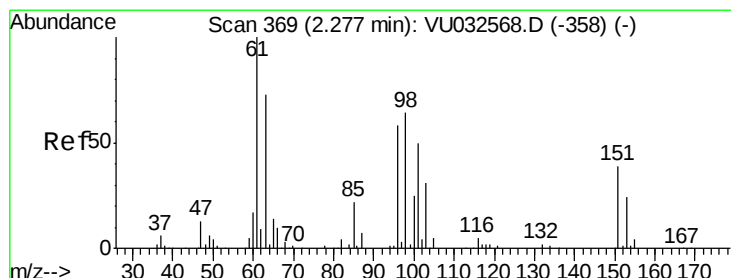
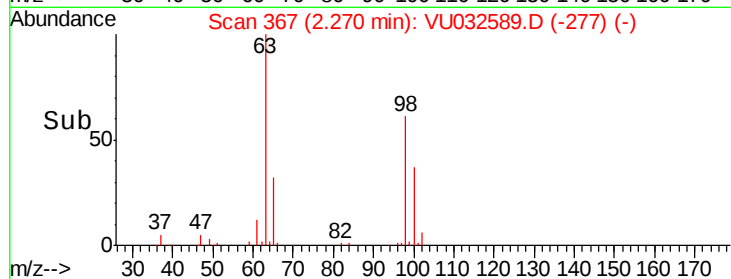
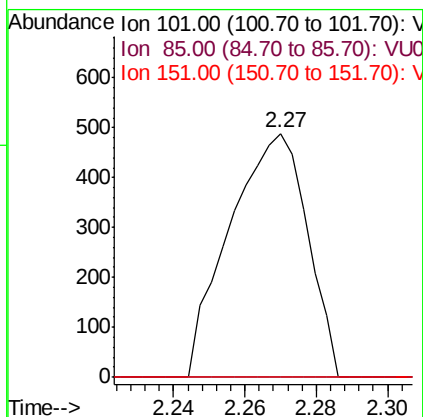
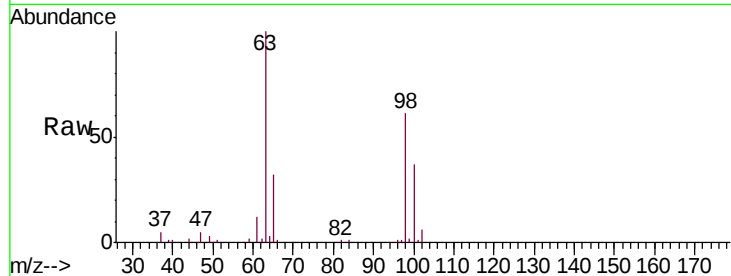
Tgt Ion:101 Resp: 735

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

151 0.0 63.0 94.4#



#12

1,1-Dichloroethene

Concen: 0.753 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032589.D

Acq: 11 Jun 2019 00:37

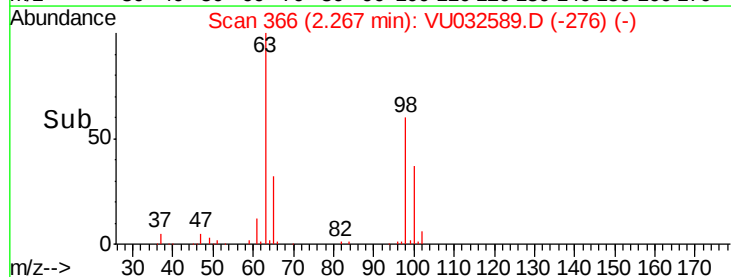
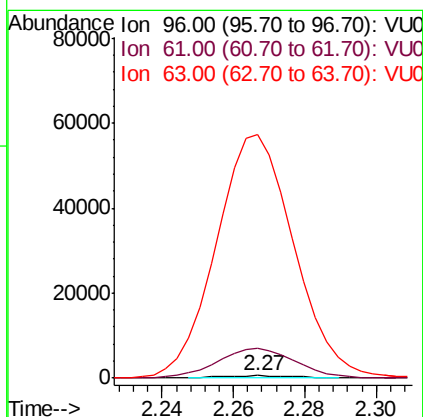
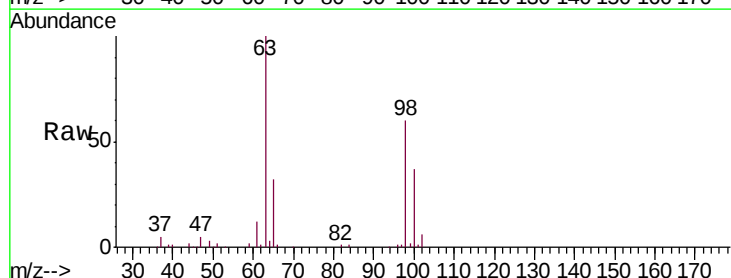
Tgt Ion: 96 Resp: 820

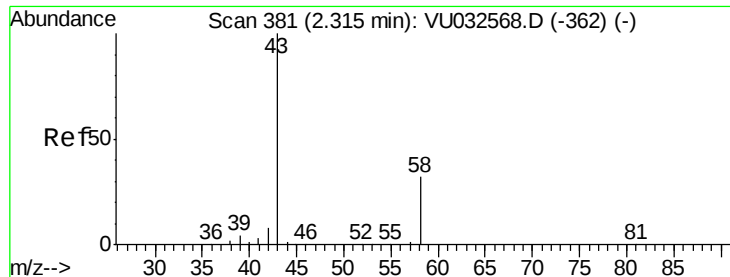
Ion Ratio Lower Upper

96 100

61 1204.3 129.5 240.5#

63 9945.8 103.4 192.0#





#13

Acetone

Concen: 2.742 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032589.D

Acq: 11 Jun 2019 00:37

Instrument :

MSVOA_U

ClientSampleId :

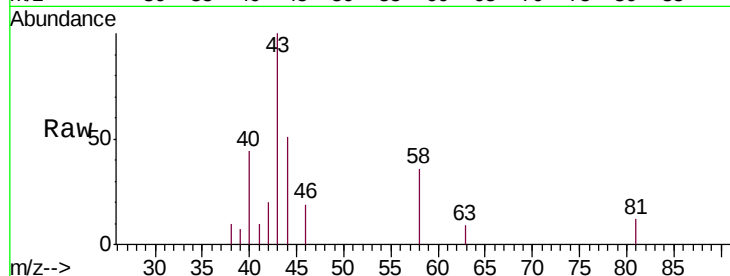
DB8D0

Tgt Ion: 43 Resp: 2818

Ion Ratio Lower Upper

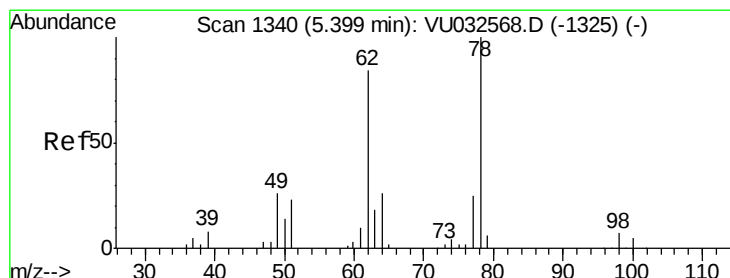
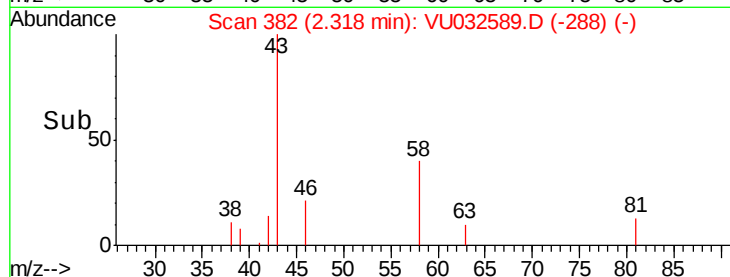
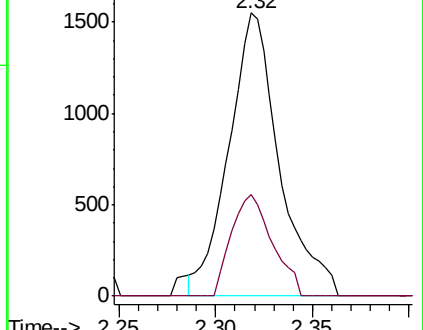
43 100

58 29.1 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032568.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU032568.D (-362) (-)



#27

1,2-Dichloroethane

Concen: 0.755 ug/L

RT: 5.33 min Scan# 1320

Delta R.T. -0.06 min

Lab File: VU032589.D

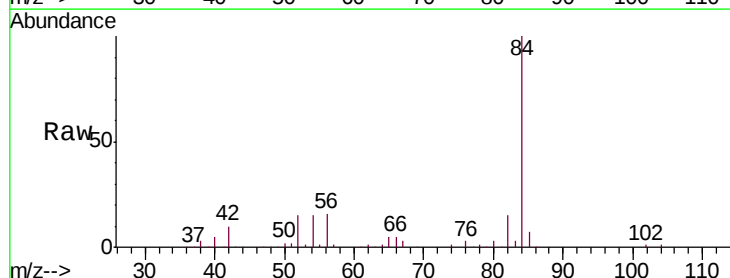
Acq: 11 Jun 2019 00:37

Tgt Ion: 62 Resp: 1325

Ion Ratio Lower Upper

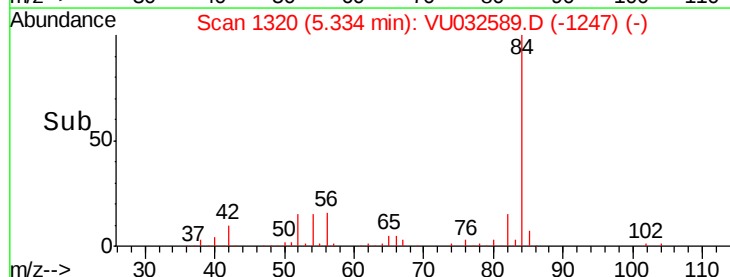
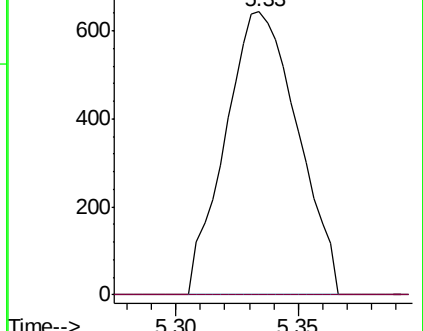
62 100

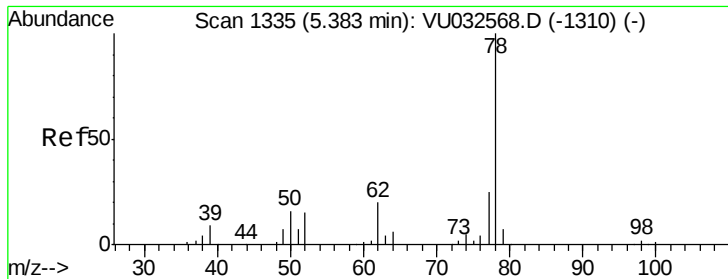
98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU032568.D (-1325) (-)

Ion 98.00 (97.70 to 98.70): VU032568.D (-1325) (-)





#33

Benzene

Concen: 0.955 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU032589.D

Acq: 11 Jun 2019 00:37

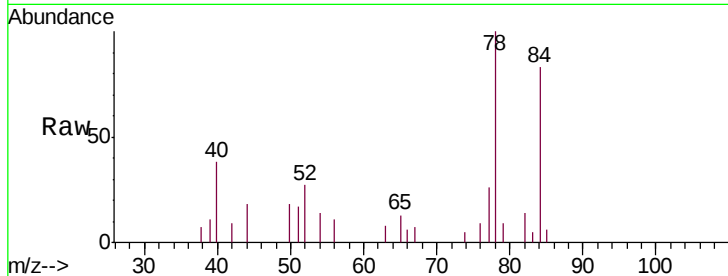
Instrument :

MSVOA_U

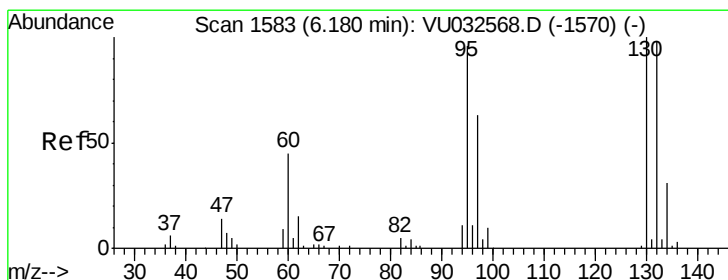
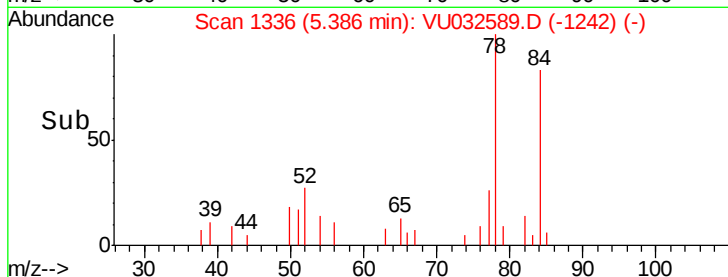
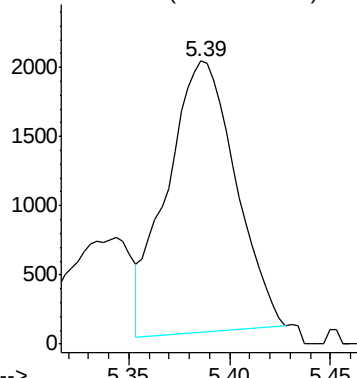
ClientSampleId :

DB8D0

Tgt Ion: 78 Resp: 4598



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 7.829 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU032589.D

Acq: 11 Jun 2019 00:37

Tgt Ion: 95 Resp: 10260

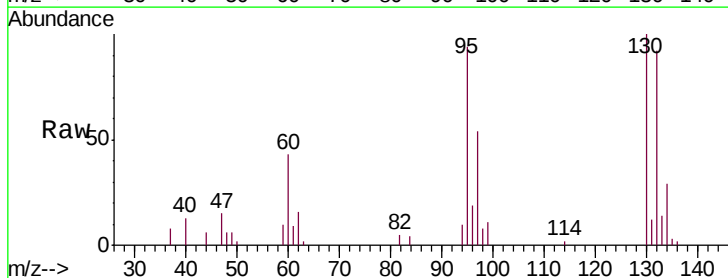
Ion Ratio Lower Upper

95 100

97 56.9 45.8 85.2

132 97.3 71.0 131.8

130 106.0 73.4 136.2

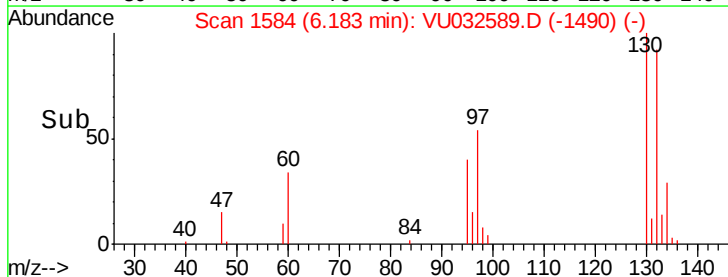
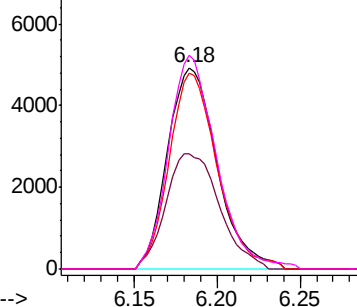


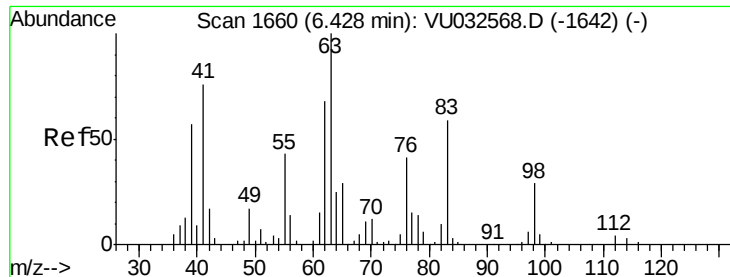
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

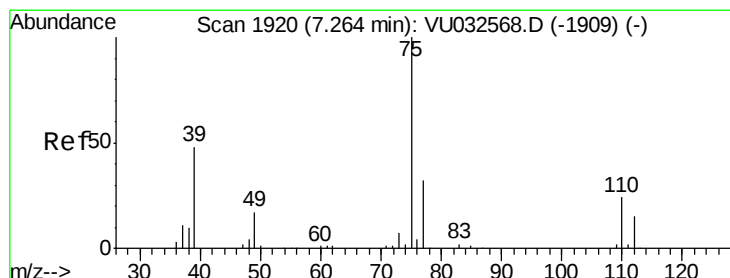
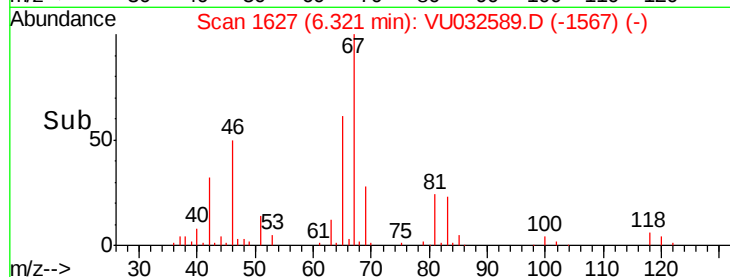
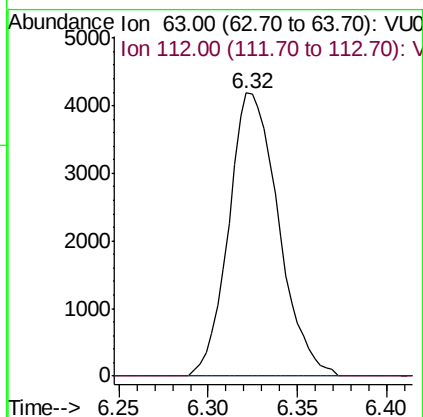
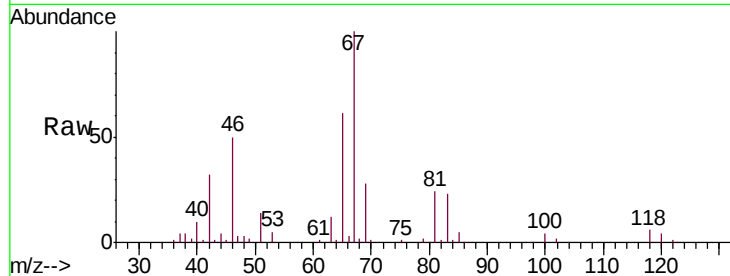




#37
 1,2-Dichloropropane
 Concen: 6.360 ug/L
 RT: 6.32 min Scan# 1627
 Delta R.T. -0.11 min
 Lab File: VU032589.D
 Acq: 11 Jun 2019 00:37

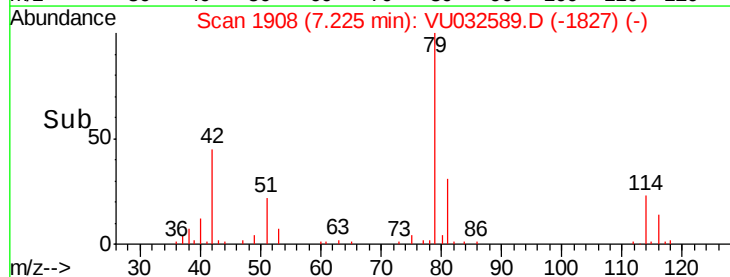
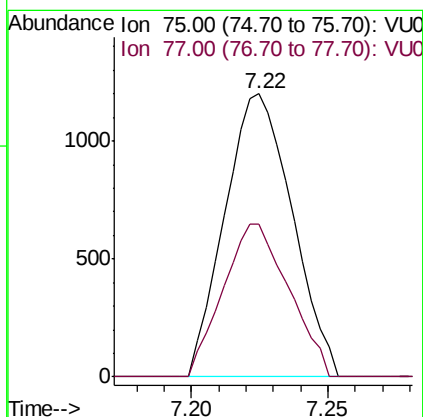
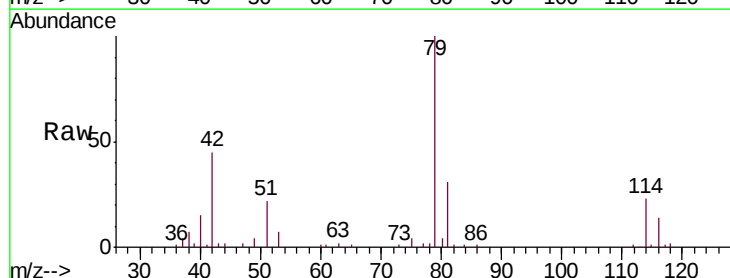
Instrument :
 MSVOA_U
 ClientSampleID :
 DB8D0

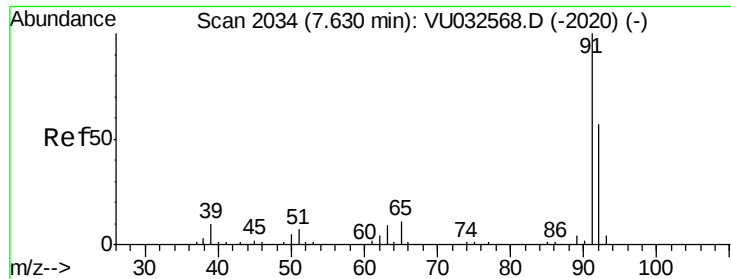
Tgt Ion: 63 Resp: 8121
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 1.020 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU032589.D
 Acq: 11 Jun 2019 00:37

Tgt Ion: 75 Resp: 2054
 Ion Ratio Lower Upper
 75 100
 77 54.0 22.0 41.0#





#42

Toluene

Concen: 1.894 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.01 min

Lab File: VU032589.D

Acq: 11 Jun 2019 00:37

Instrument :

MSVOA_U

ClientSampleId :

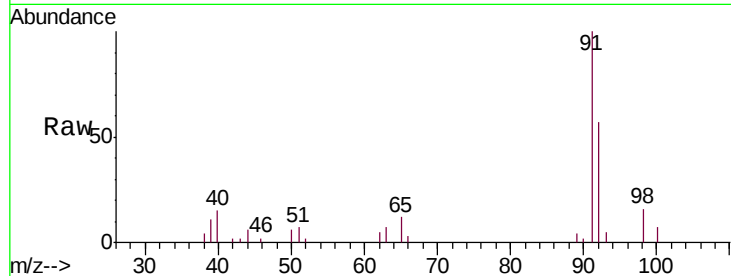
DB8D0

Tgt Ion: 91 Resp: 9990

Ion Ratio Lower Upper

91 100

92 56.7 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU032568.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU032568.D (-2020) (-)

7.64

6000

5000

4000

3000

2000

1000

0

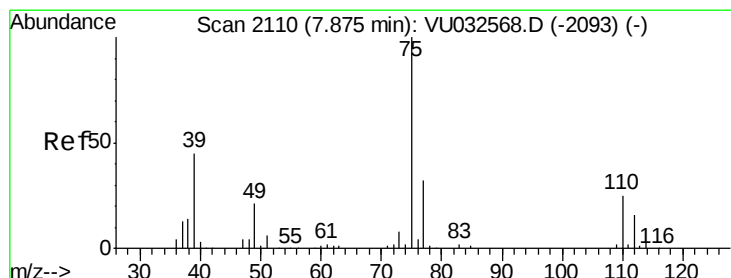
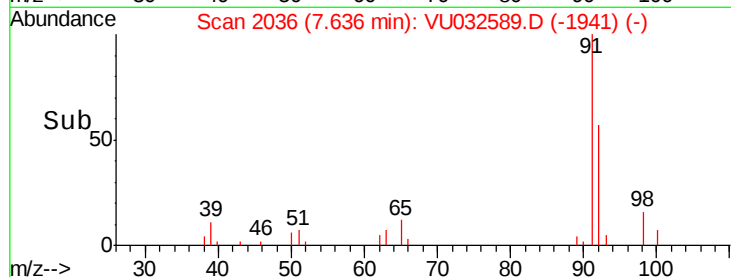
Time-->

7.55

7.60

7.65

7.70



#44

trans-1,3-Dichloropropene

Concen: 0.873 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.03 min

Lab File: VU032589.D

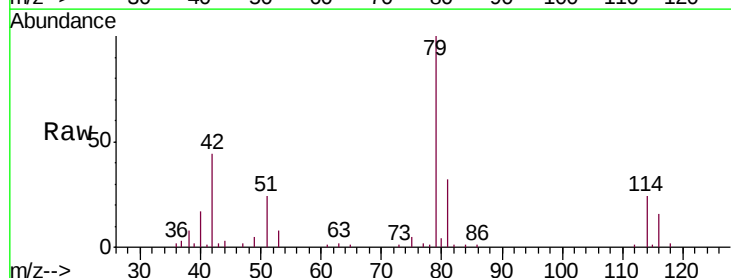
Acq: 11 Jun 2019 00:37

Tgt Ion: 75 Resp: 1561

Ion Ratio Lower Upper

75 100

77 34.1 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU032568.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU032568.D (-2093) (-)

7.84

1000

800

600

400

200

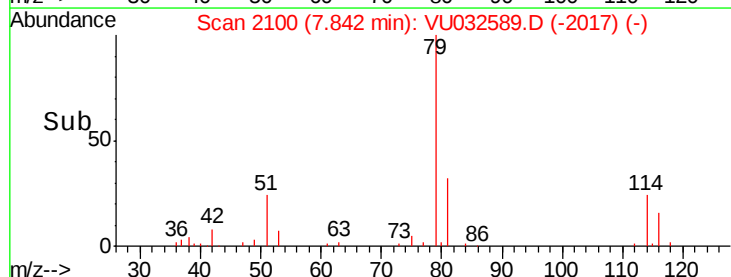
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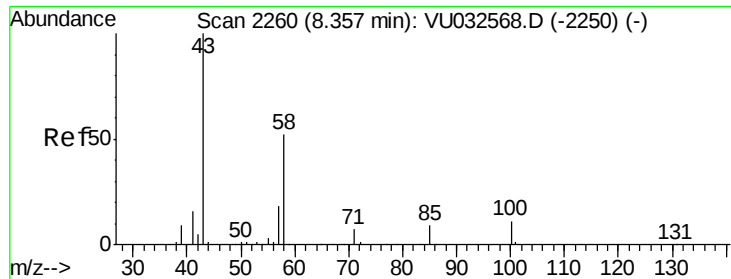
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7.80

7.85

7.90

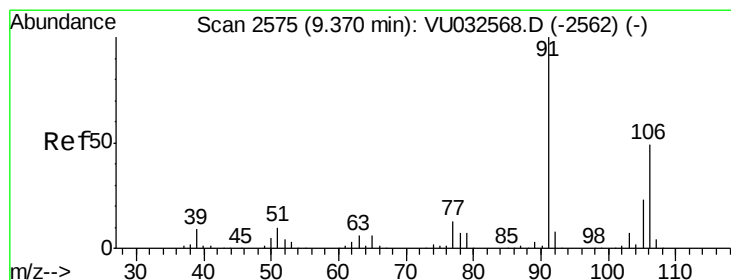
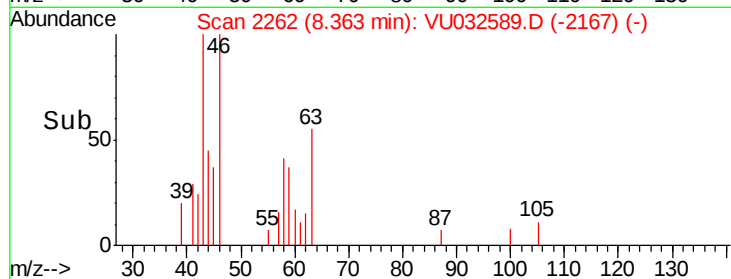
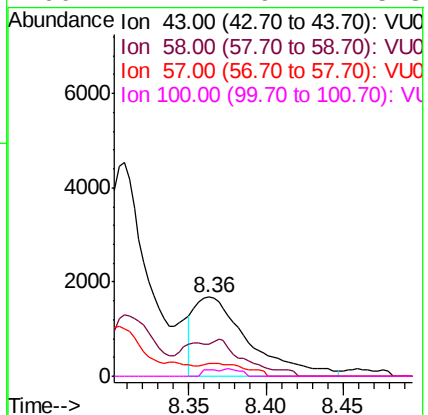
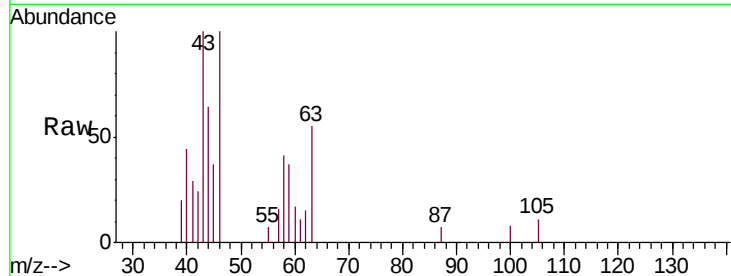




#48
2-Hexanone
Concen: 2.426 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU032589.D
Acq: 11 Jun 2019 00:37

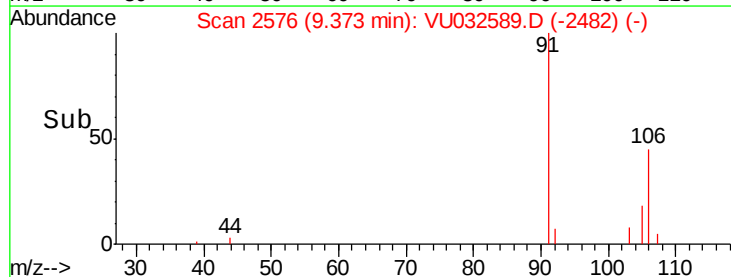
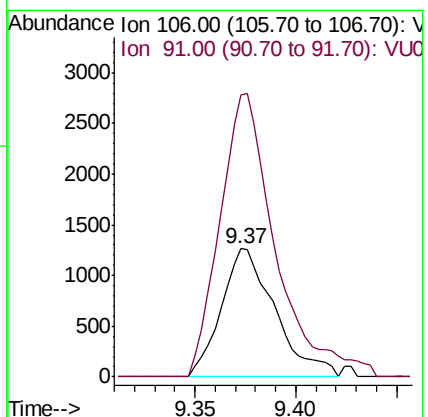
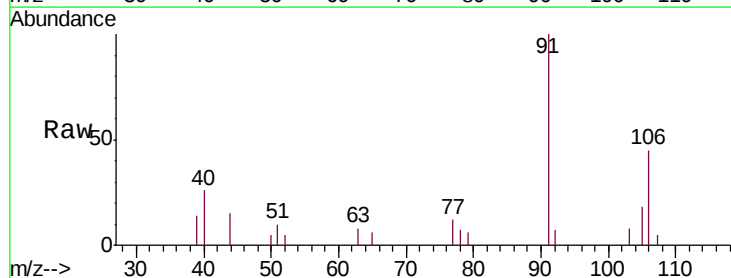
Instrument :
MSVOA_U
ClientSampleId :
DB8D0

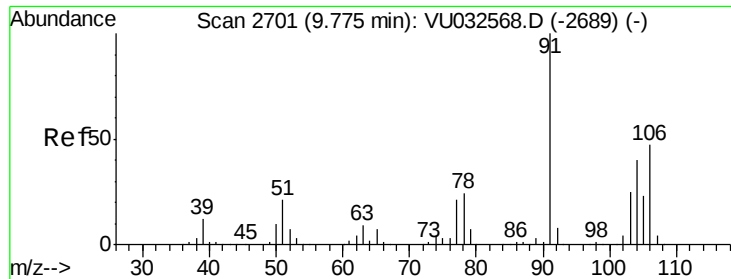
Tgt Ion: 43 Resp: 4094
Ion Ratio Lower Upper
43 100
58 7.4 42.0 63.0#
57 4.8 14.6 22.0#
100 2.4 9.2 13.8#



#53
m,p-Xylene
Concen: 1.048 ug/L
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU032589.D
Acq: 11 Jun 2019 00:37

Tgt Ion: 106 Resp: 2344
Ion Ratio Lower Upper
106 100
91 220.0 141.7 263.1

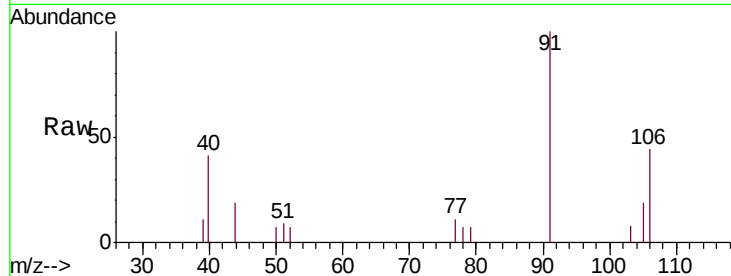




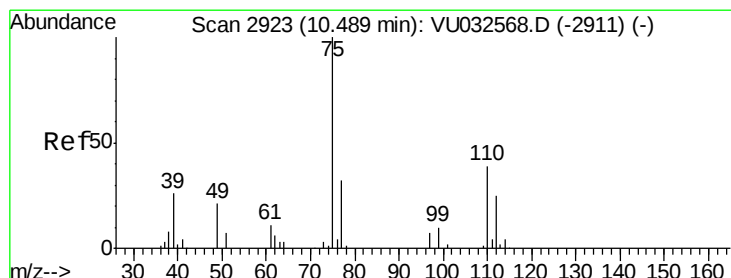
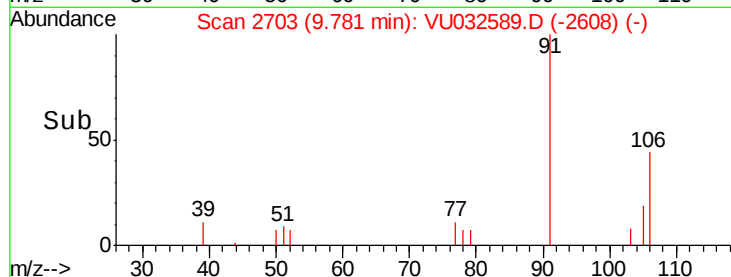
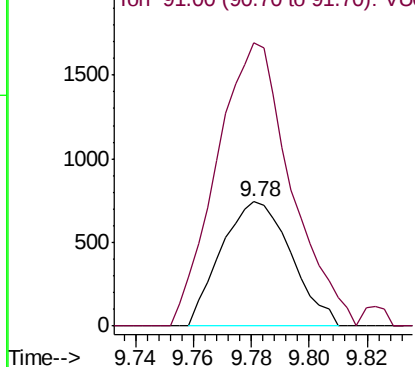
#54
o-xylene
Concen: 0.563 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. 0.01 min
Lab File: VU032589.D
Acq: 11 Jun 2019 00:37

Instrument :
MSVOA_U
ClientSampleId :
DB8D0

Tgt Ion: 106 Resp: 1250
Ion Ratio Lower Upper
106 100
91 227.7 150.1 278.7

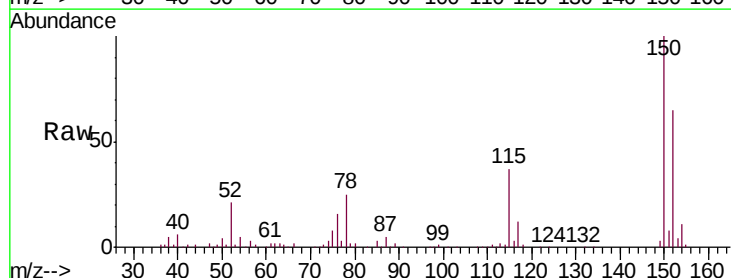


Abundance Ion 106.00 (105.70 to 106.70): VU032568.D (-2689) (-)
Ion 91.00 (90.70 to 91.70): VU032568.D (-2689) (-)

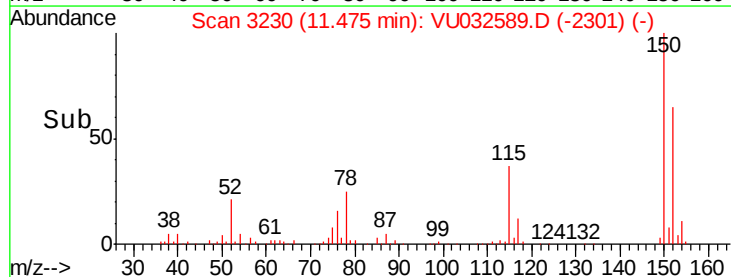
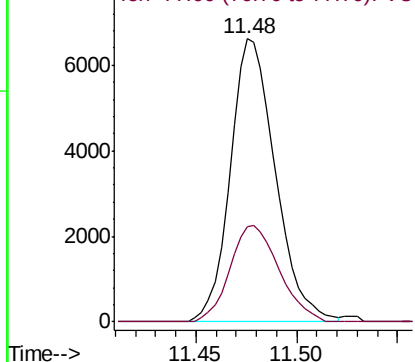


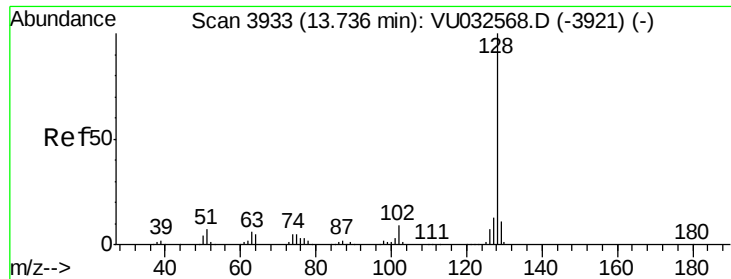
#59
1,2,3-Trichloropropane
Concen: 6.247 ug/L
RT: 11.48 min Scan# 3230
Delta R.T. 0.99 min
Lab File: VU032589.D
Acq: 11 Jun 2019 00:37

Tgt Ion: 75 Resp: 10370
Ion Ratio Lower Upper
75 100
77 37.0 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU032568.D (-2911) (-)
Ion 77.00 (76.70 to 77.70): VU032568.D (-2911) (-)





#69

Naphthalene

Concen: 1.063 ug/L

RT: 13.76 min Scan# 3940

Delta R.T. 0.02 min

Lab File: VU032589.D

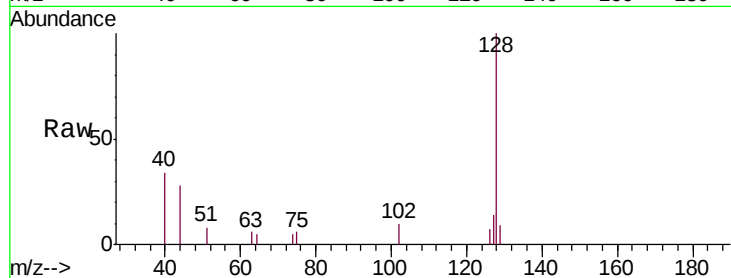
Acq: 11 Jun 2019 00:37

Instrument :

MSVOA_U

ClientSampleId :

DB8D0



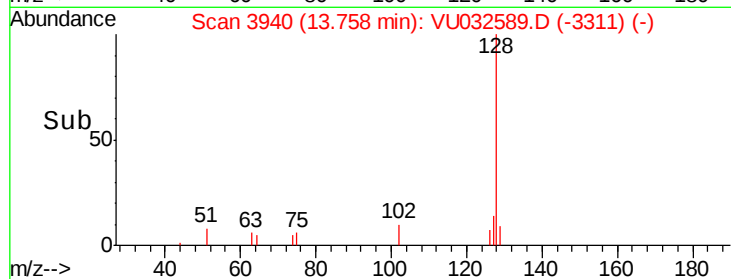
Tgt Ion:128 Resp: 5738

Ion Ratio Lower Upper

128 100

127 4.4 10.4 15.6#

129 7.7 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

