

Data File : VU032602.D
Acq On : 11 Jun 2019 12:13
Operator : JC/SP
Sample : K3277-07DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB8D3DL

Quant Time: Jun 12 05:35:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 12 05:31:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	176567	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	167247	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	83988	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	49770	43.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.90%
7) Chloroethane-d5	1.68	69	42490	46.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.32%
11) 1,1-Dichloroethene-d2	2.27	63	76913	34.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.58%
21) 2-Butanone-d5	4.17	46	97809	102.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.03%
24) Chloroform-d	4.64	84	104148	48.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.50%
26) 1,2-Dichloroethane-d4	5.30	65	69673	51.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.54%
32) Benzene-d6	5.33	84	207986	47.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.32	67	67212	49.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.74%
41) Toluene-d8	7.56	98	190493	46.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.54%
43) trans-1,3-Dichloropropene-	7.85	79	30584	46.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.88%
47) 2-Hexanone-d5	8.31	63	55911	84.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.66%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	97407	49.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.76%
64) 1,2-Dichlorobenzene-d4	11.85	152	81695	50.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.56%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	696	0.645 ug/L #	18
12) 1,1-Dichloroethene	2.26	96	660	0.630 ug/L #	1
13) Acetone	2.32	43	1198	1.211 ug/L	76
20) cis-1,2-Dichloroethene	4.22	96	4468	3.477 ug/L	88
27) 1,2-Dichloroethane	5.33	62	1117	0.662 ug/L #	75
34) Trichloroethene	6.18	95	114436	89.511 ug/L	98
35) Methylcyclohexane	6.32	83	15182	7.335 ug/L #	19
37) 1,2-Dichloropropane	6.33	63	7601	6.102 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2068	1.052 ug/L #	71
44) trans-1,3-Dichloropropene	7.85	75	1467	0.841 ug/L #	80
48) 2-Hexanone	8.36	43	6237	3.789 ug/L #	81
59) 1,2,3-Trichloropropane	11.48	75	9741	6.015 ug/L	91

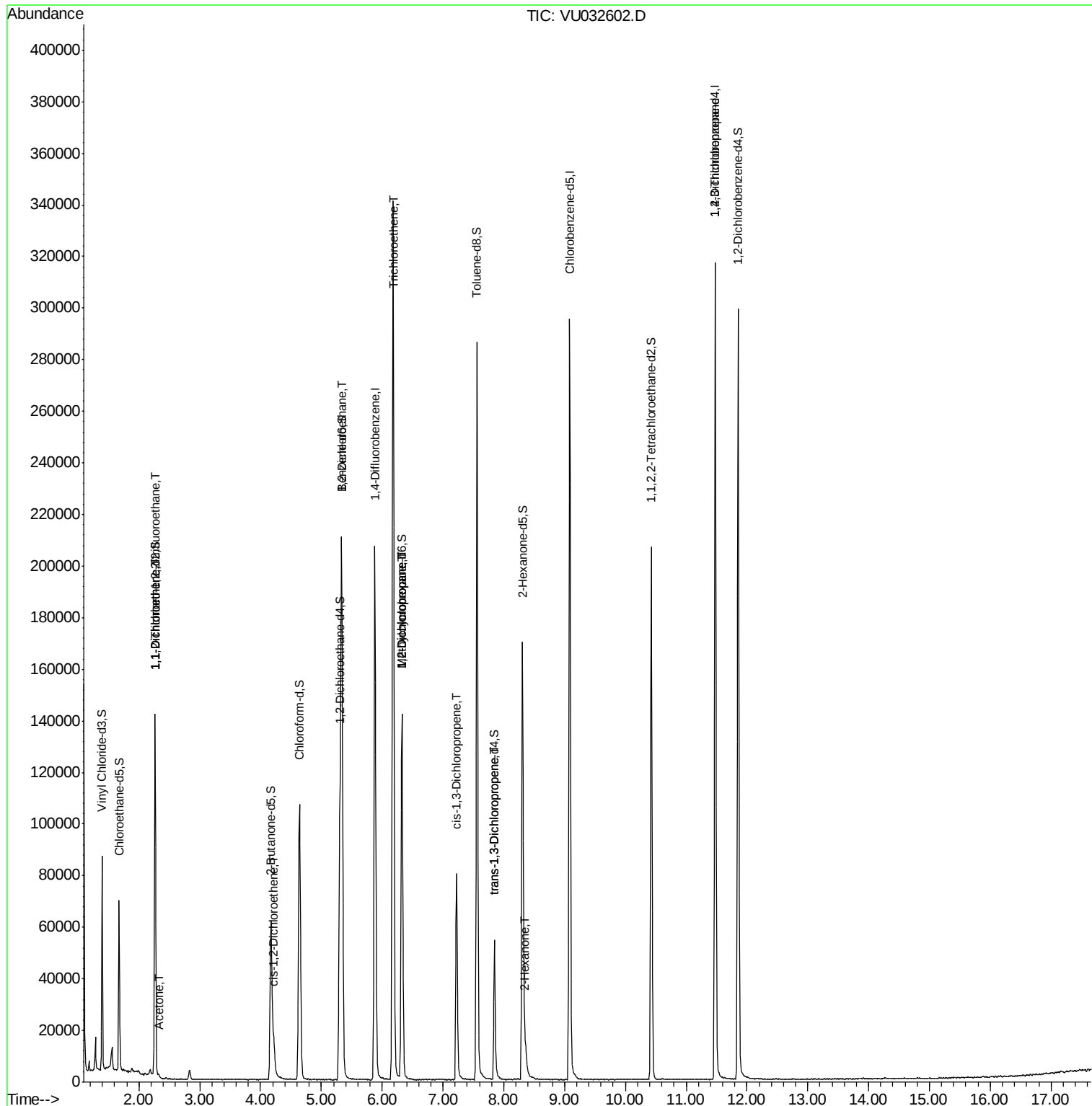
(#) = qualifier out of range (m) = manual integration (+) = signals summed

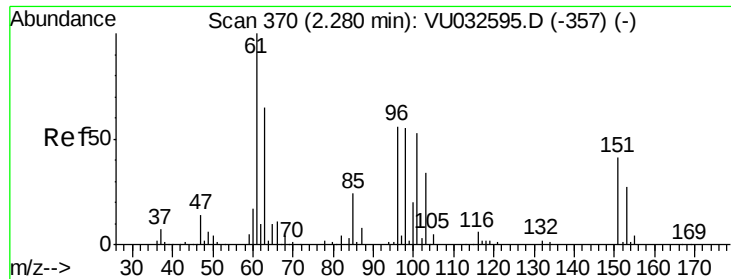
Data File : VU032602.D

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Response via : Initial Calibration





#10

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

Concen: 0.645 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032602.D

Acq: 11 Jun 2019 12:13

Instrument :

MSVOA_U

ClientSampleId :

DB8D3DL

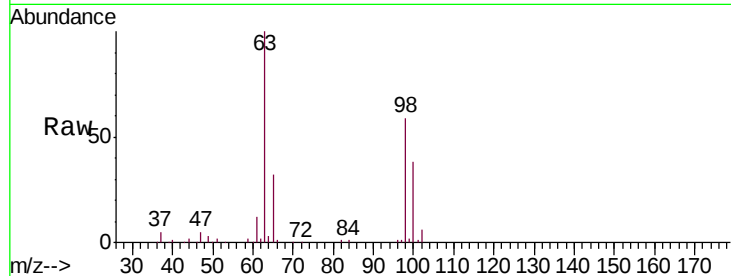
Tgt Ion: 101 Resp: 696

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

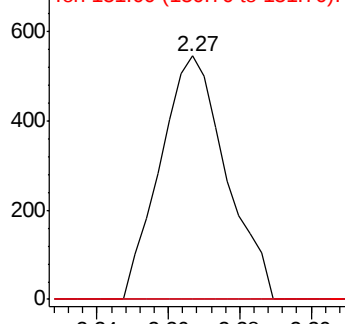
151 0.0 63.0 94.4#



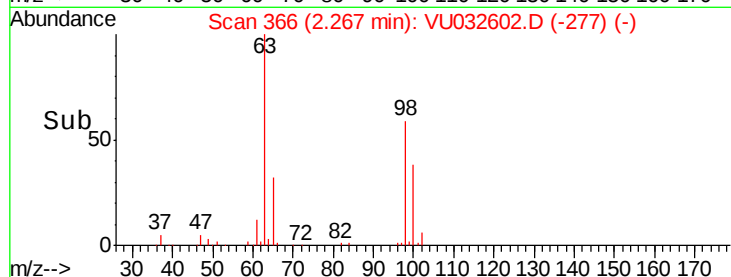
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



Time-->



#12

1,1-Dichloroethene

Concen: 0.630 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: VU032602.D

Acq: 11 Jun 2019 12:13

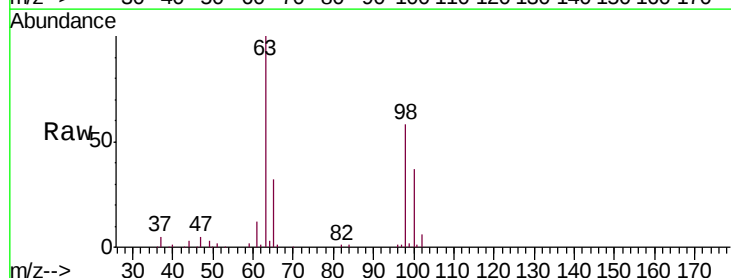
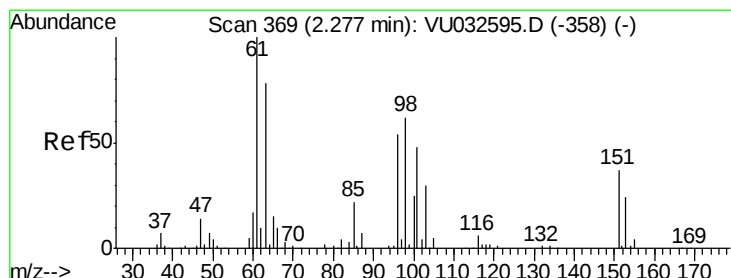
Tgt Ion: 96 Resp: 660

Ion Ratio Lower Upper

96 100

61 1438.4 129.5 240.5#

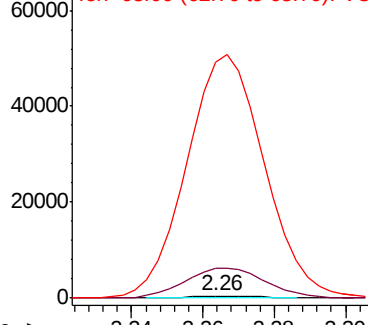
63 11584.0 103.4 192.0#



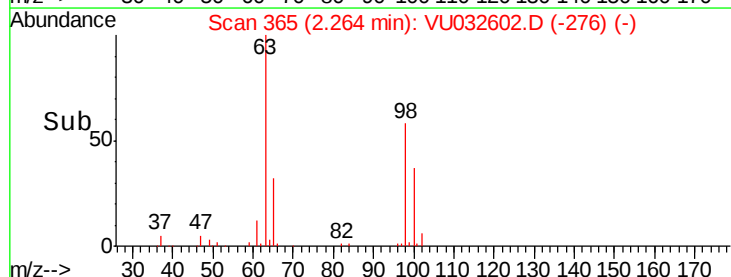
Abundance Ion 96.00 (95.70 to 96.70): VU0

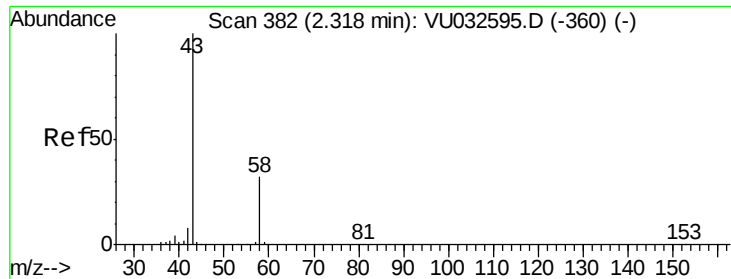
Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



Time-->





#13

Acetone

Concen: 1.211 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU032602.D

Acq: 11 Jun 2019 12:13

Instrument :

MSVOA_U

ClientSampleId :

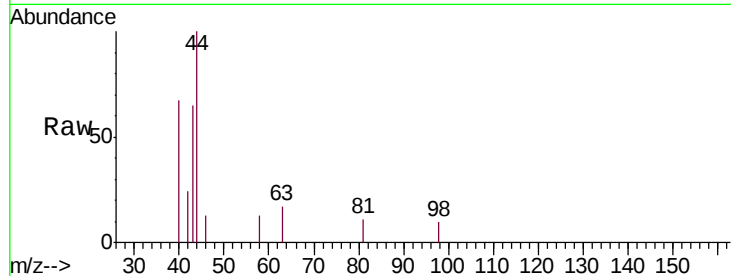
DB8D3DL

Tgt Ion: 43 Resp: 1198

Ion Ratio Lower Upper

43 100

58 18.9 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032595.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU032595.D (-360) (-)

2.32

600

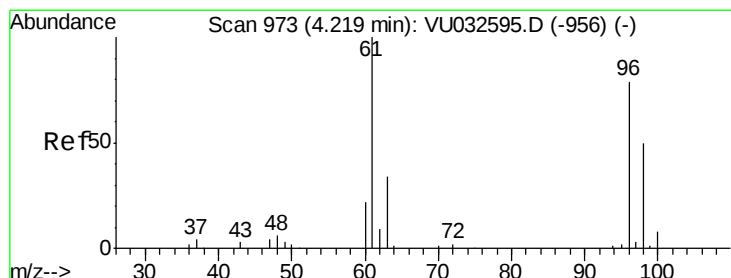
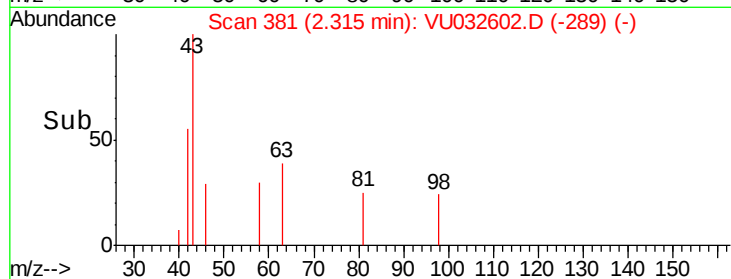
400

200

0

2.30 2.35

Time-->



#20

cis-1,2-Dichloroethene

Concen: 3.477 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU032602.D

Acq: 11 Jun 2019 12:13

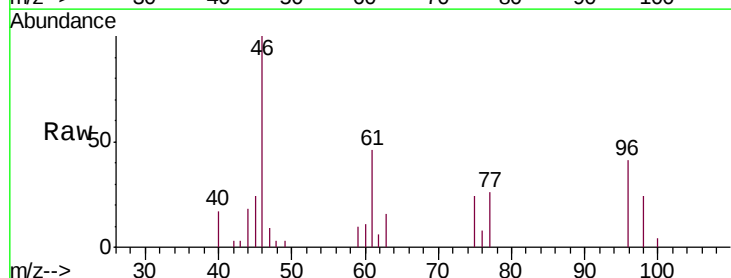
Tgt Ion: 96 Resp: 4468

Ion Ratio Lower Upper

96 100

61 111.1 87.2 162.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU032595.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU032595.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU032595.D (-956) (-)

4.22

2500

2000

1500

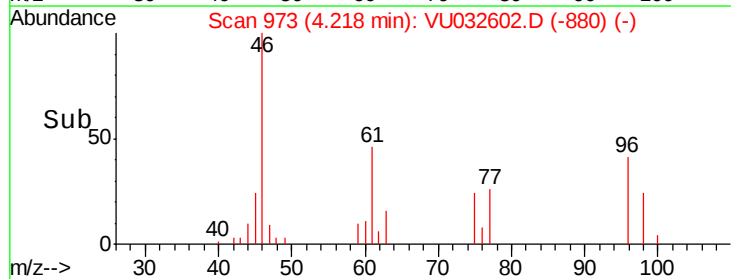
1000

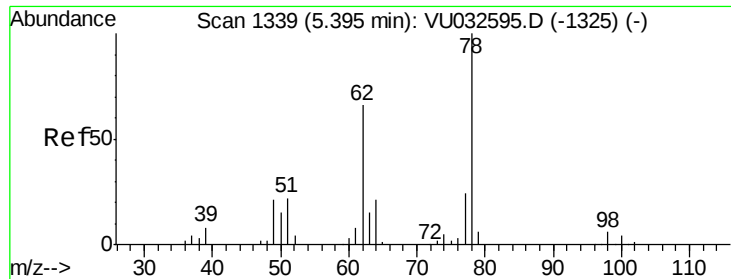
500

0

4.15 4.20 4.25 4.30

Time-->





#27

1,2-Dichloroethane

Concen: 0.662 ug/L

RT: 5.33 min Scan# 1320

Delta R.T. -0.06 min

Lab File: VU032602.D

Acq: 11 Jun 2019 12:13

Instrument :

MSVOA_U

ClientSampleId :

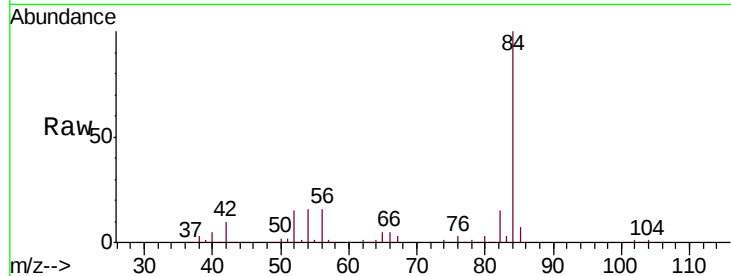
DB8D3DL

Tgt Ion: 62 Resp: 1117

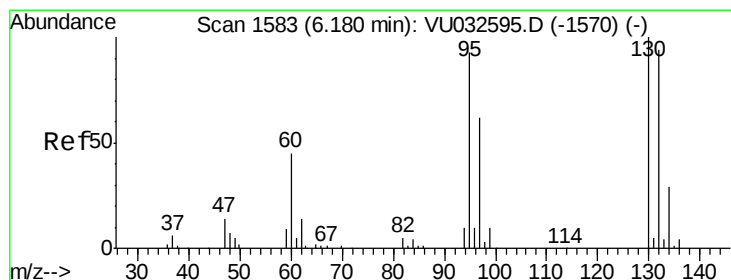
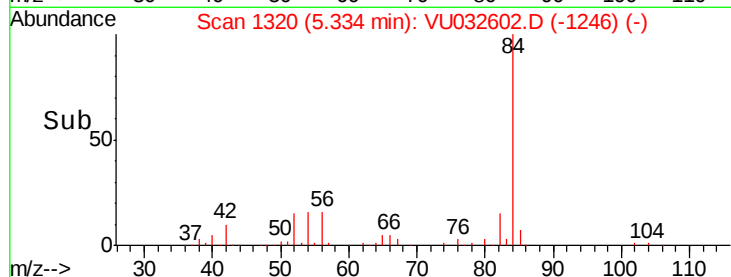
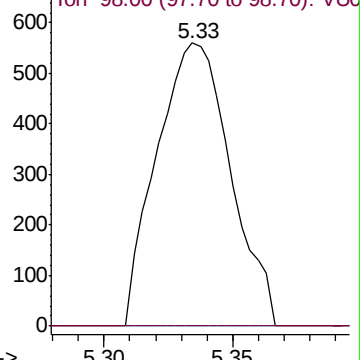
Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU032595.D (-1325) (-)



#34

Trichloroethene

Concen: 89.511 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032602.D

Acq: 11 Jun 2019 12:13

Tgt Ion: 95 Resp: 114436

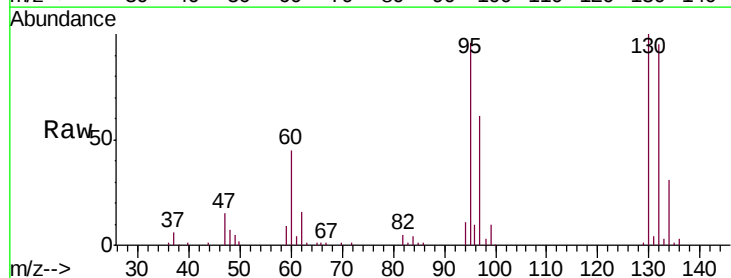
Ion Ratio Lower Upper

95 100

97 63.6 45.8 85.2

132 98.7 71.0 131.8

130 103.7 73.4 136.2

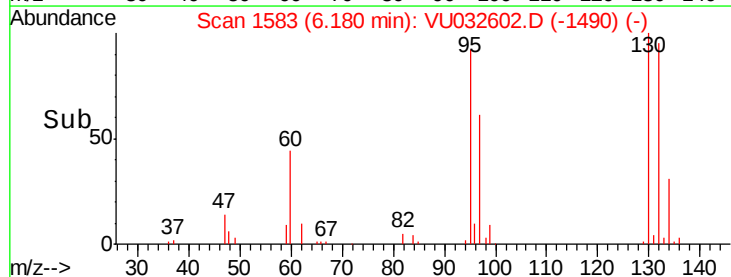


Abundance Ion 95.00 (94.70 to 95.70): VU032595.D (-1570) (-)

Ion 97.00 (96.70 to 97.70): VU032595.D (-1570) (-)

Ion 132.00 (131.70 to 132.70): VU032595.D (-1570) (-)

Ion 130.00 (129.70 to 130.70): VU032595.D (-1570) (-)



Abundance Ion 95.00 (94.70 to 95.70): VU032602.D (-1490) (-)

Ion 97.00 (96.70 to 97.70): VU032602.D (-1490) (-)

Ion 132.00 (131.70 to 132.70): VU032602.D (-1490) (-)

Ion 130.00 (129.70 to 130.70): VU032602.D (-1490) (-)

Abundance Ion 95.00 (94.70 to 95.70): VU032602.D (-1490) (-)

Ion 97.00 (96.70 to 97.70): VU032602.D (-1490) (-)

Ion 132.00 (131.70 to 132.70): VU032602.D (-1490) (-)

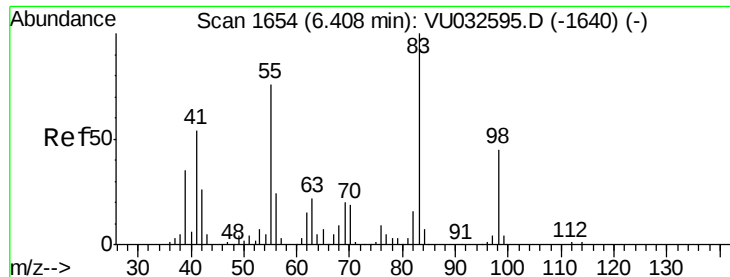
Ion 130.00 (129.70 to 130.70): VU032602.D (-1490) (-)

Abundance Ion 95.00 (94.70 to 95.70): VU032602.D (-1490) (-)

Ion 97.00 (96.70 to 97.70): VU032602.D (-1490) (-)

Ion 132.00 (131.70 to 132.70): VU032602.D (-1490) (-)

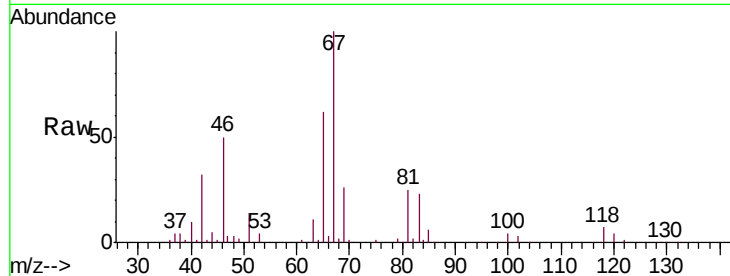
Ion 130.00 (129.70 to 130.70): VU032602.D (-1490) (-)



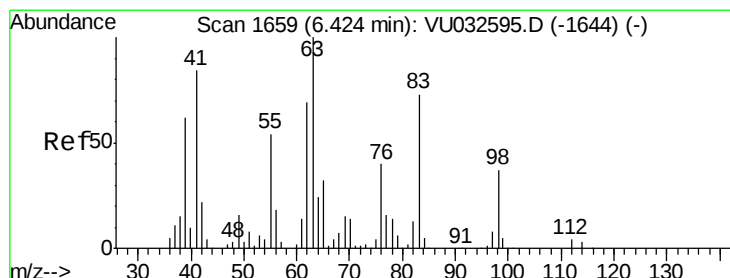
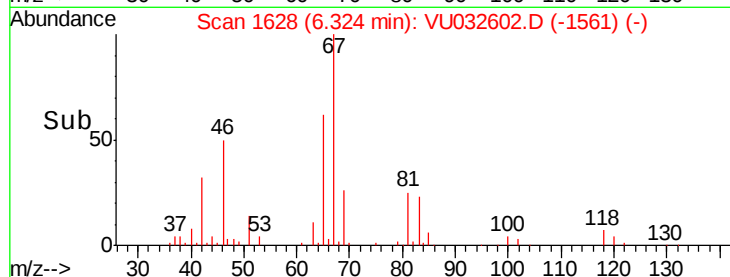
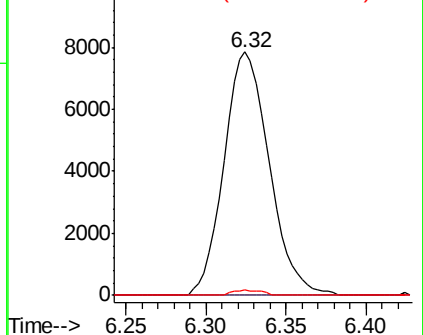
#35
Methylcyclohexane
Concen: 7.335 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU032602.D
Acq: 11 Jun 2019 12:13

Instrument :
MSVOA_U
ClientSampleId :
DB8D3DL

Tgt Ion: 83 Resp: 15182
Ion Ratio Lower Upper
83 100
55 0.0 60.2 90.4#
98 1.3 37.4 56.2#

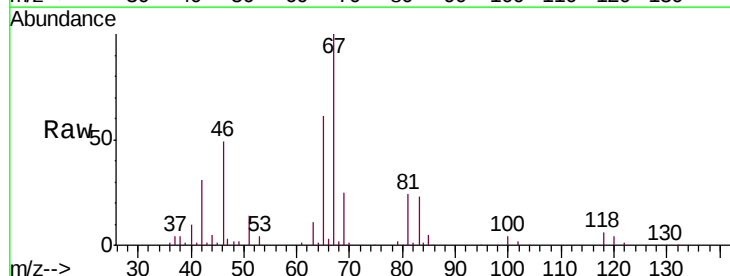


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

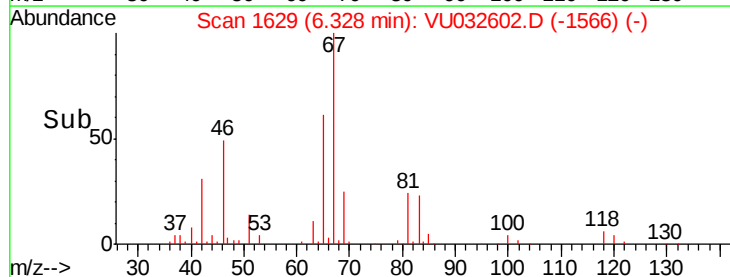
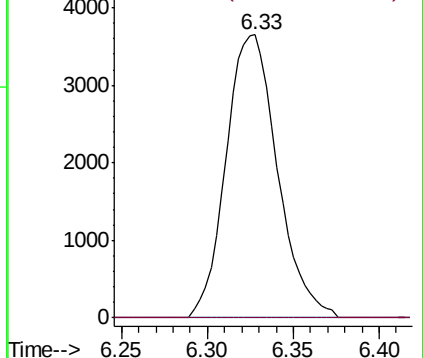


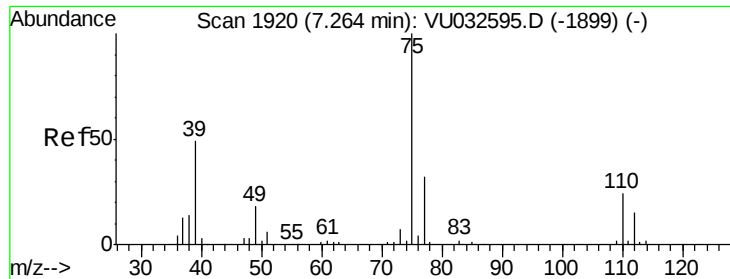
#37
1,2-Dichloropropane
Concen: 6.102 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU032602.D
Acq: 11 Jun 2019 12:13

Tgt Ion: 63 Resp: 7601
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

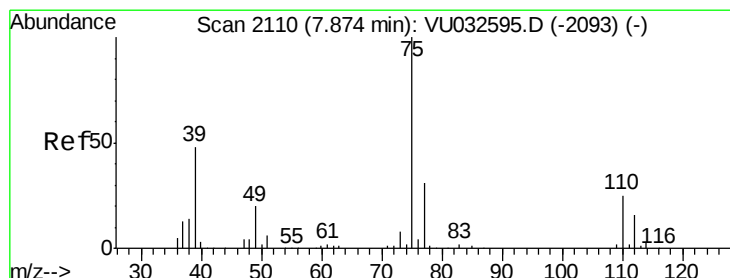
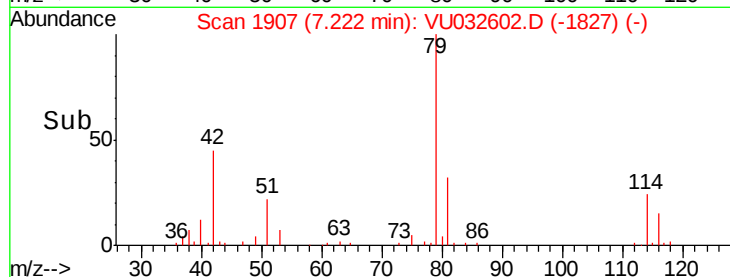
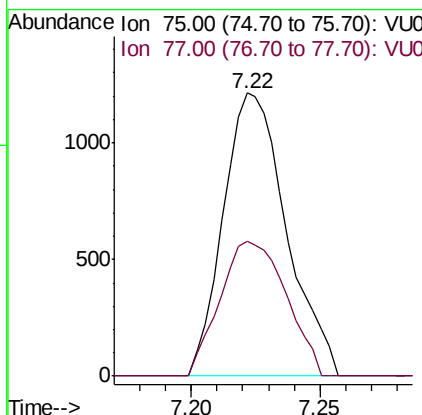
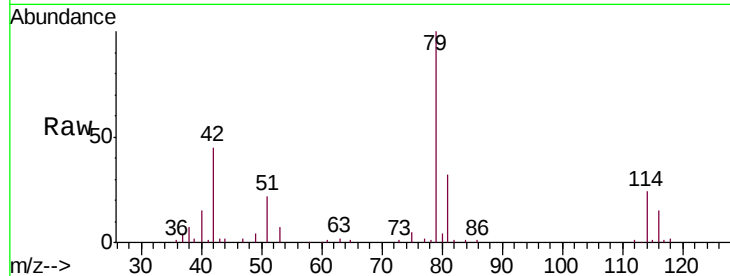




#39
 cis-1,3-Dichloropropene
 Concen: 1.052 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU032602.D
 Acq: 11 Jun 2019 12:13

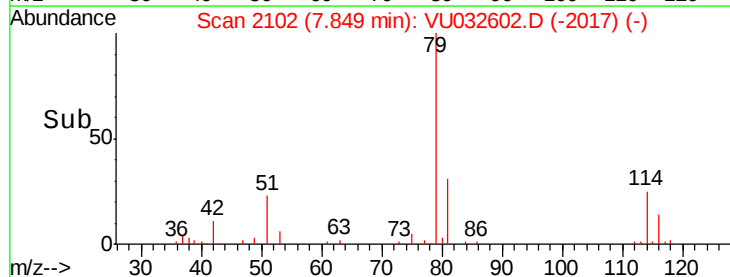
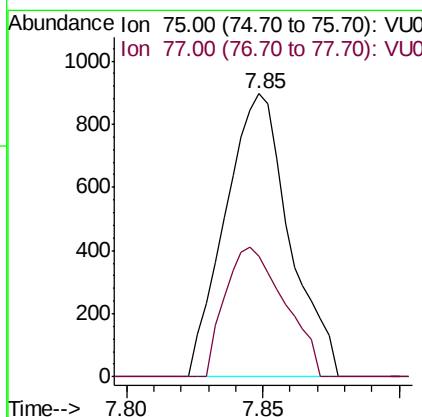
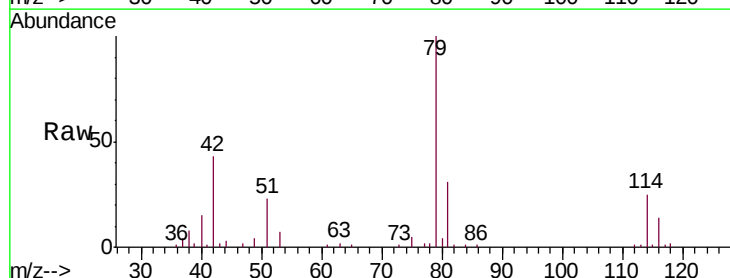
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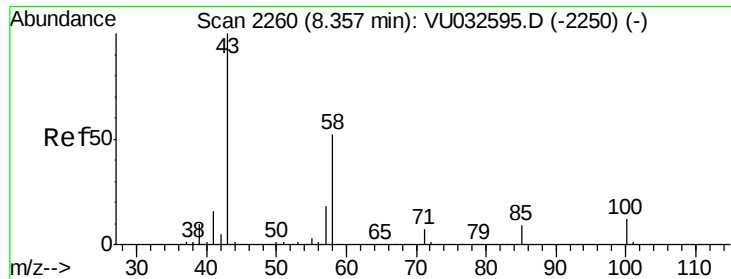
Tgt Ion: 75 Resp: 2068
 Ion Ratio Lower Upper
 75 100
 77 47.7 22.0 41.0#



#44
 trans-1,3-Dichloropropene
 Concen: 0.841 ug/L
 RT: 7.85 min Scan# 2102
 Delta R.T. -0.03 min
 Lab File: VU032602.D
 Acq: 11 Jun 2019 12:13

Tgt Ion: 75 Resp: 1467
 Ion Ratio Lower Upper
 75 100
 77 42.6 22.1 41.1#

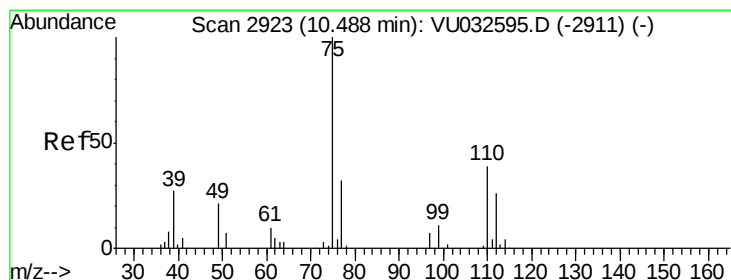
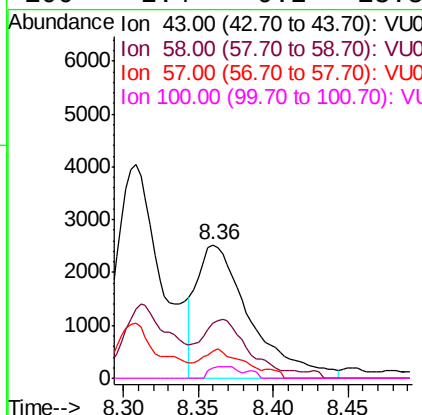
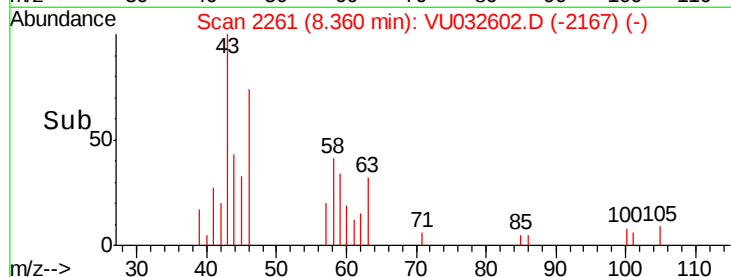
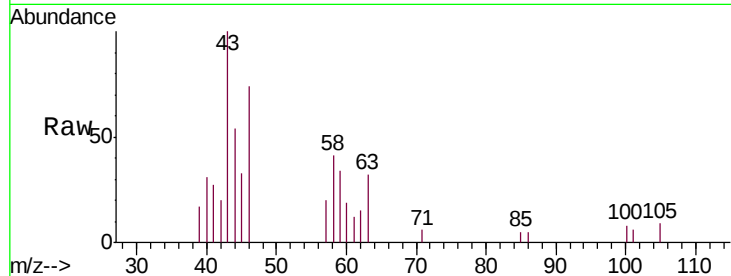




#48
 2-Hexanone
 Concen: 3.789 ug/L
 RT: 8.36 min Scan# 2261
 Delta R.T. 0.00 min
 Lab File: VU032602.D
 Acq: 11 Jun 2019 12:13

Instrument :
 MSVOA_U
 ClientSampleId :
 DB8D3DL

Tgt Ion: 43 Resp: 6237
 Ion Ratio Lower Upper
 43 100
 58 35.4 42.0 63.0#
 57 16.8 14.6 22.0
 100 2.4 9.2 13.8#



#59
 1,2,3-Trichloropropane
 Concen: 6.015 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU032602.D
 Acq: 11 Jun 2019 12:13

Tgt Ion: 75 Resp: 9741
 Ion Ratio Lower Upper
 75 100
 77 37.1 25.6 38.4

