

Data File : VU032597.D
Acq On : 11 Jun 2019 10:19
Operator : JC/SP
Sample : K3277-22
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB8C7

Quant Time: Jun 12 05:34:33 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	180732	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	168696	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	86140	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	50898	43.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.82%
7) Chloroethane-d5	1.68	69	43156	45.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.27	63	78209	34.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.14%
21) 2-Butanone-d5	4.17	46	91406	93.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.15%
24) Chloroform-d	4.64	84	104073	47.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.18%
26) 1,2-Dichloroethane-d4	5.30	65	69673	50.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.14%
32) Benzene-d6	5.33	84	210486	48.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.12%
36) 1,2-Dichloropropane-d6	6.32	67	67425	49.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.20%
41) Toluene-d8	7.56	98	192064	46.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.50%
43) trans-1,3-Dichloropropene-	7.85	79	31225	47.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.02%
47) 2-Hexanone-d5	8.31	63	53450	80.24	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.24%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	96417	48.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.92%
64) 1,2-Dichlorobenzene-d4	11.86	152	81277	49.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.52%

Target Compounds

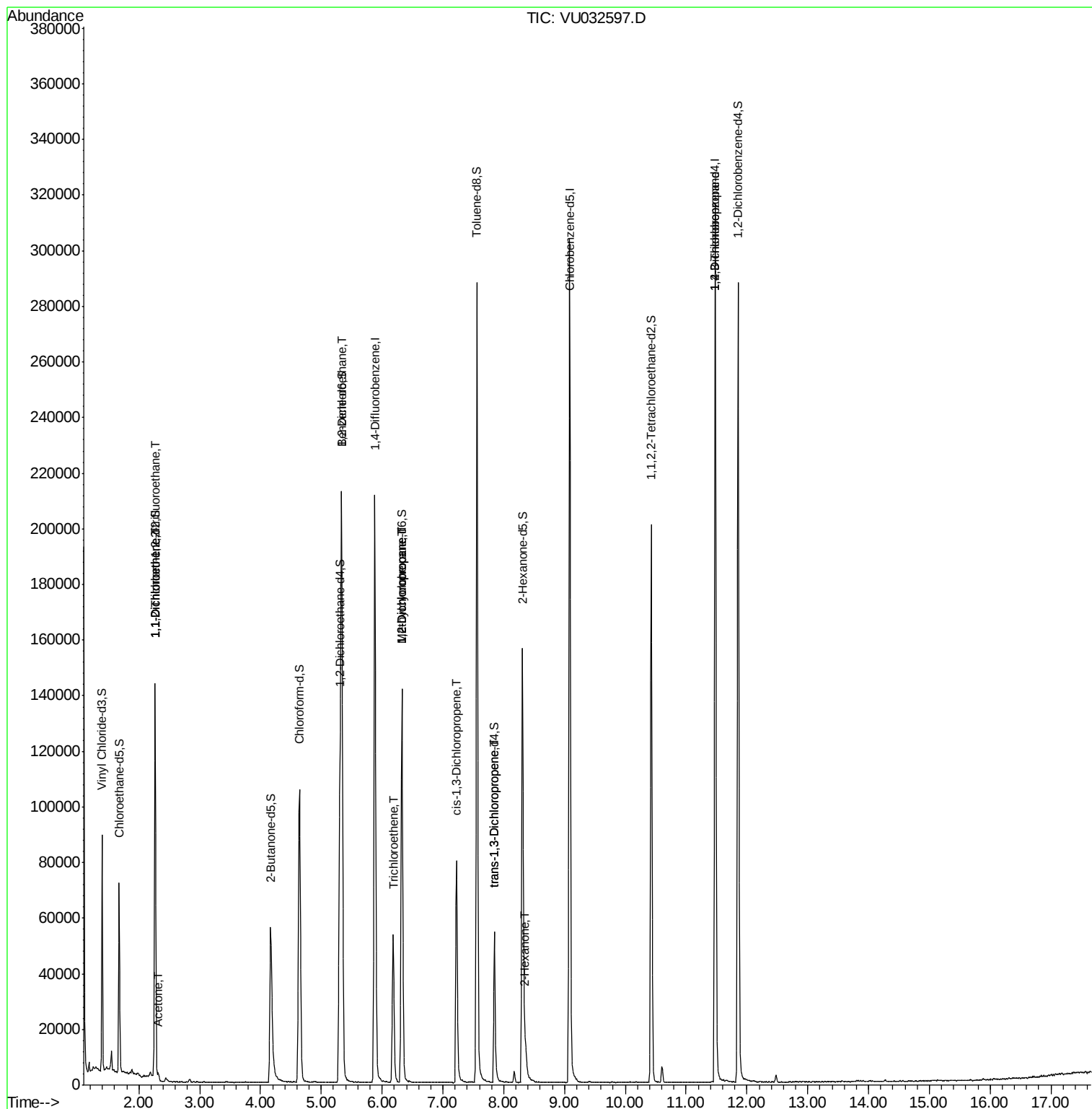
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	700	0.634	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	629	0.587	ug/L #	1
13) Acetone	2.32	43	2354	2.325	ug/L	94
27) 1,2-Dichloroethane	5.33	62	1289	0.746	ug/L #	75
34) Trichloroethene	6.18	95	17680	13.710	ug/L	96
35) Methylcyclohexane	6.32	83	15479	7.415	ug/L #	20
37) 1,2-Dichloropropane	6.32	63	7677	6.110	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2212	1.116	ug/L #	51
44) trans-1,3-Dichloropropene	7.85	75	1341	0.762	ug/L	85
48) 2-Hexanone	8.36	43	6300	3.795	ug/L #	75
59) 1,2,3-Trichloropropane	11.48	75	9694	5.935	ug/L	89

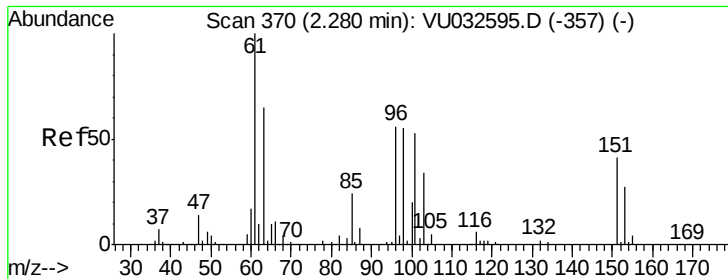
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.634 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU032597.D

Acq: 11 Jun 2019 10:19

Instrument :

MSVOA_U

ClientSampled :

DB8C7

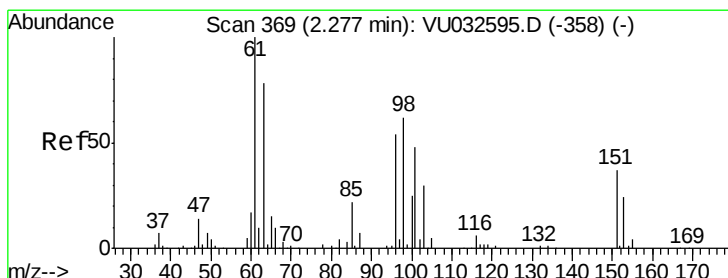
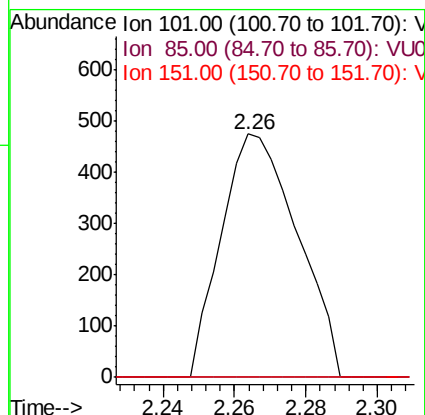
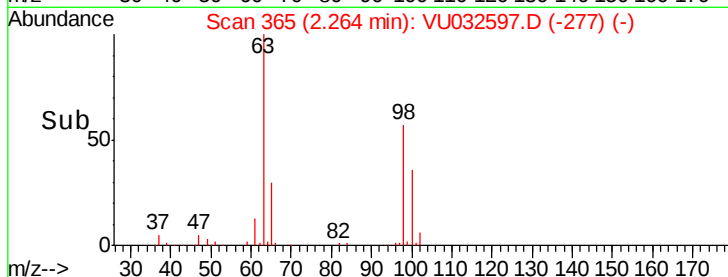
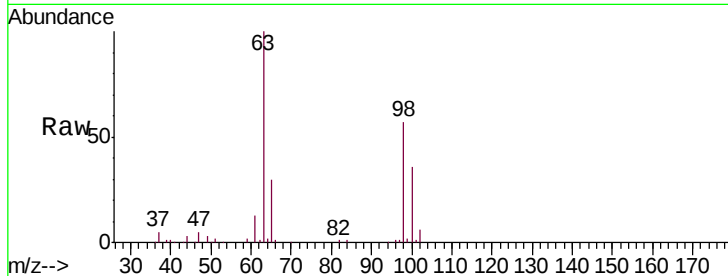
Tgt Ion:101 Resp: 700

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: 0.587 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032597.D

Acq: 11 Jun 2019 10:19

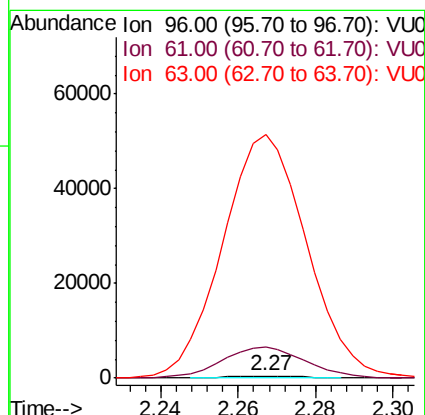
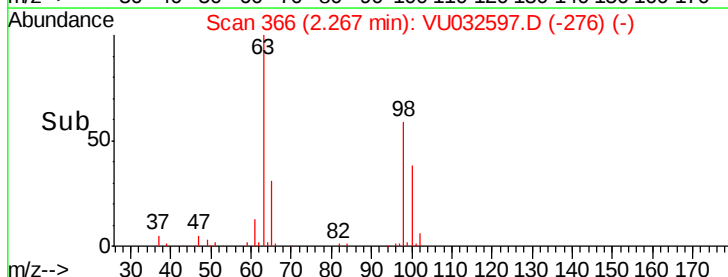
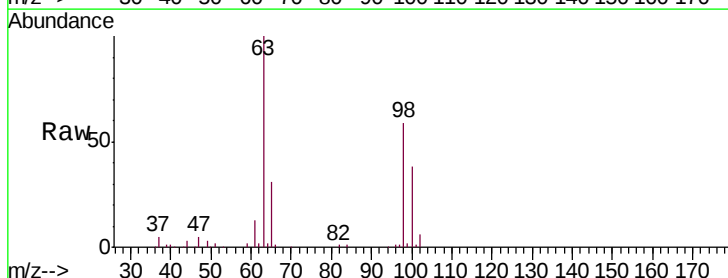
Tgt Ion: 96 Resp: 629

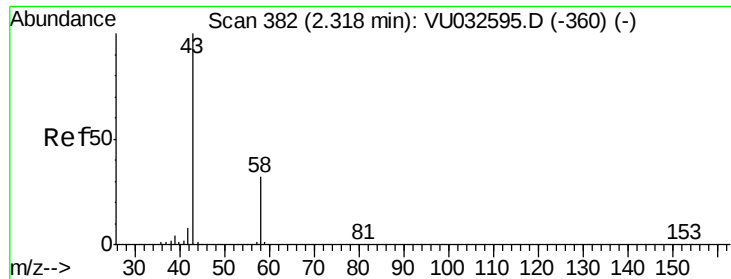
Ion Ratio Lower Upper

96 100

61 1361.0 129.5 240.5#

63 10668.9 103.4 192.0#





#13

Acetone

Concen: 2.325 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU032597.D

Acq: 11 Jun 2019 10:19

Instrument :

MSVOA_U

ClientSampleId :

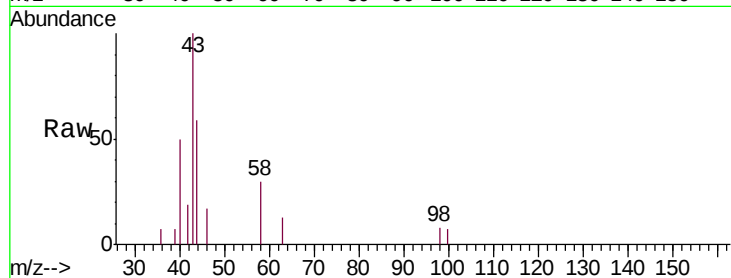
DB8C7

Tgt Ion: 43 Resp: 2354

Ion Ratio Lower Upper

43 100

58 28.4 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032597.D (-289) (-)

Ion 58.00 (57.70 to 58.70): VU032597.D (-289) (-)

2.32

1500

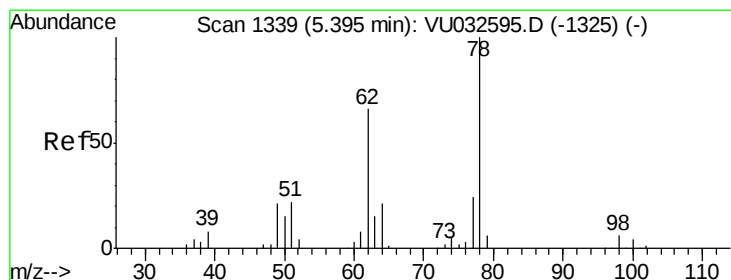
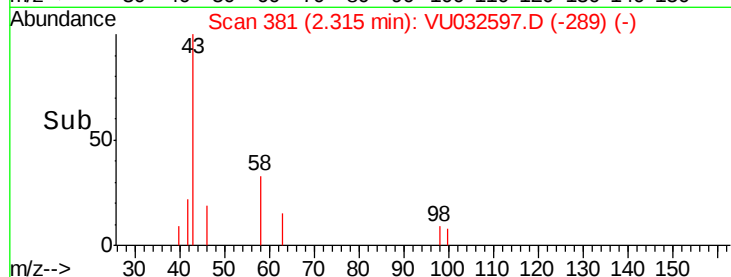
1000

500

0

2.30 2.35

Time-->



#27

1,2-Dichloroethane

Concen: 0.746 ug/L

RT: 5.33 min Scan# 1320

Delta R.T. -0.06 min

Lab File: VU032597.D

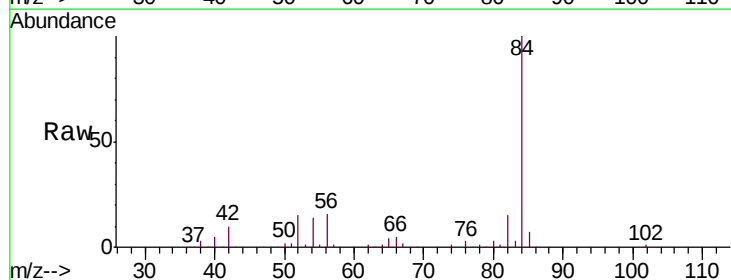
Acq: 11 Jun 2019 10:19

Tgt Ion: 62 Resp: 1289

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU032597.D (-1246) (-)

Ion 98.00 (97.70 to 98.70): VU032597.D (-1246) (-)

5.33

800

600

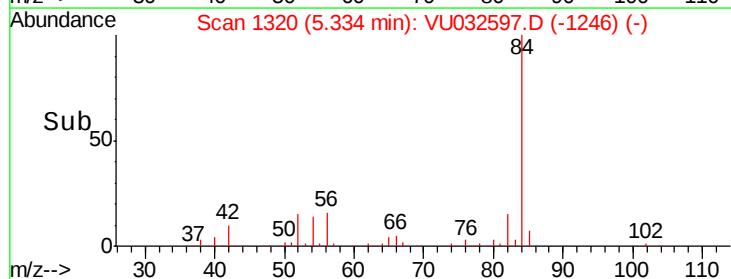
400

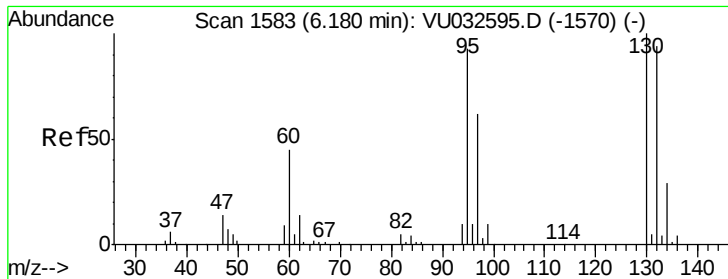
200

0

5.30 5.35

Time-->





#34

Trichloroethene

Concen: 13.710 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032597.D

Acq: 11 Jun 2019 10:19

Instrument :

MSVOA_U

ClientSampleId :

DB8C7

Tgt Ion: 95 Resp: 17680

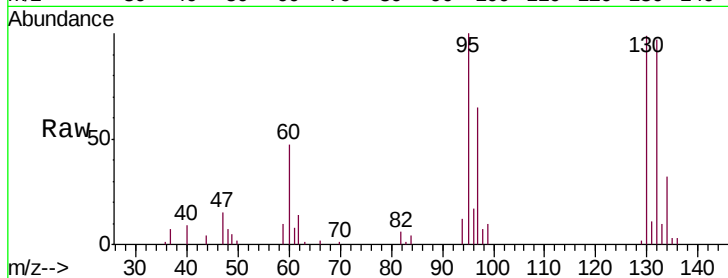
Ion Ratio Lower Upper

95 100

97 64.9 45.8 85.2

132 97.1 71.0 131.8

130 98.7 73.4 136.2

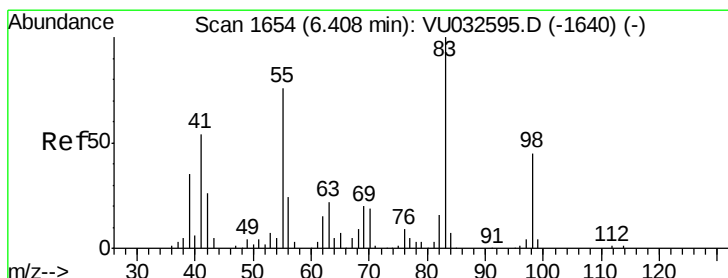
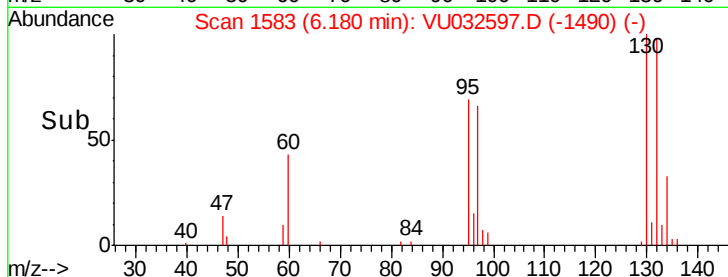
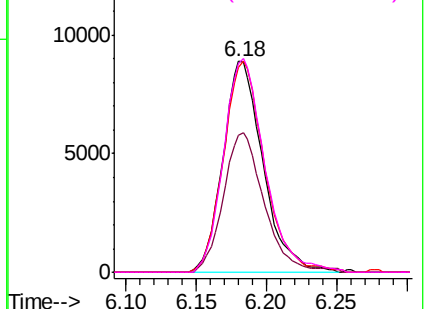


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 7.415 ug/L

RT: 6.32 min Scan# 1627

Delta R.T. -0.09 min

Lab File: VU032597.D

Acq: 11 Jun 2019 10:19

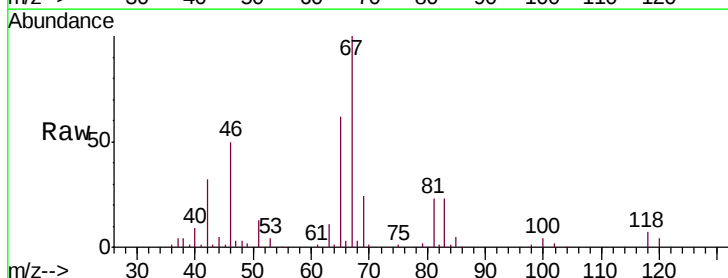
Tgt Ion: 83 Resp: 15479

Ion Ratio Lower Upper

83 100

55 0.5 60.2 90.4#

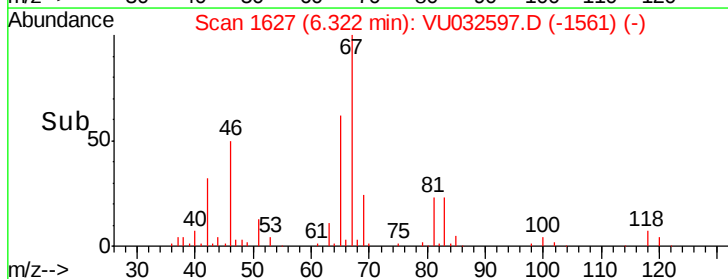
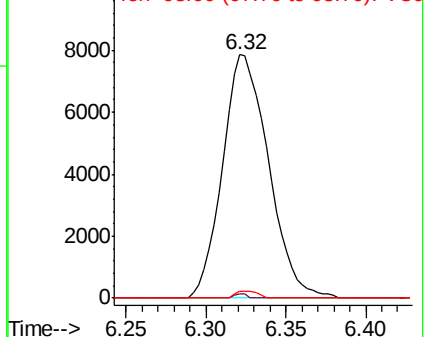
98 1.3 37.4 56.2#

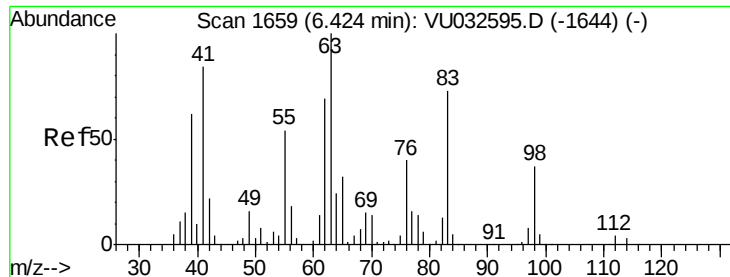


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

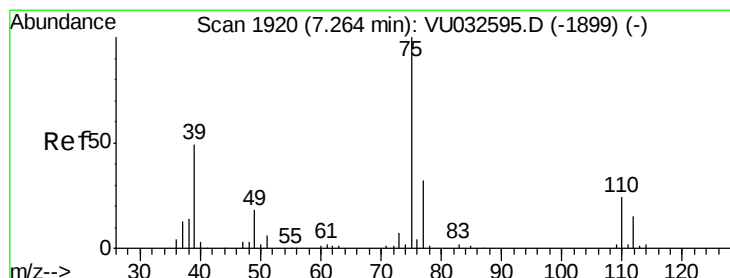
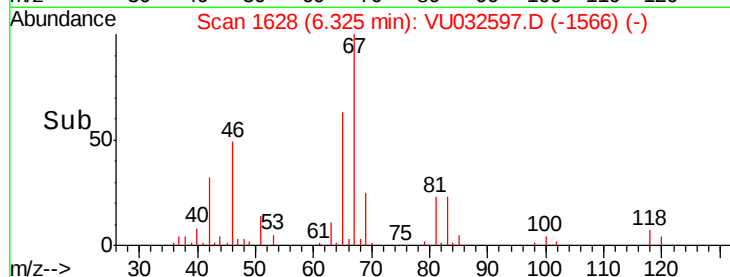
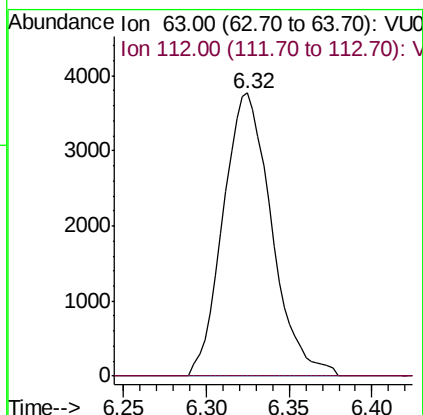
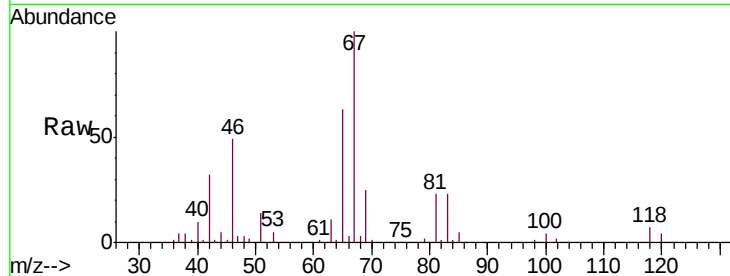




#37
 1,2-Dichloropropane
 Concen: 6.110 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU032597.D
 Acq: 11 Jun 2019 10:19

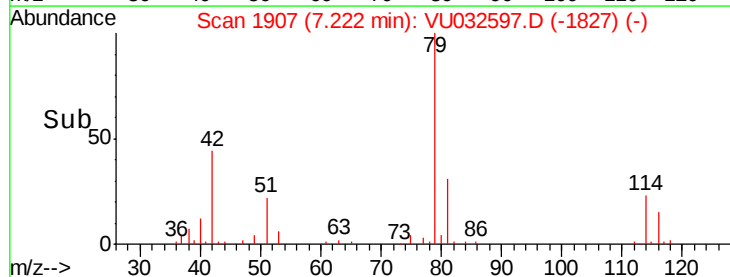
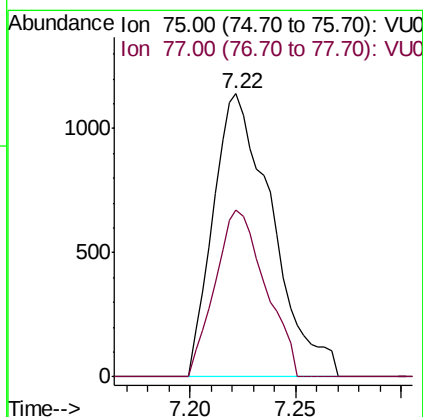
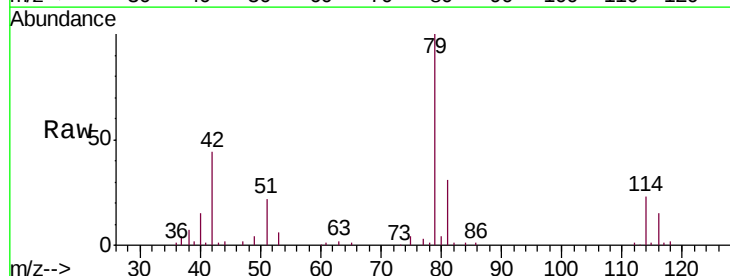
Instrument :
 MSVOA_U
 ClientSampleId :
 DB8C7

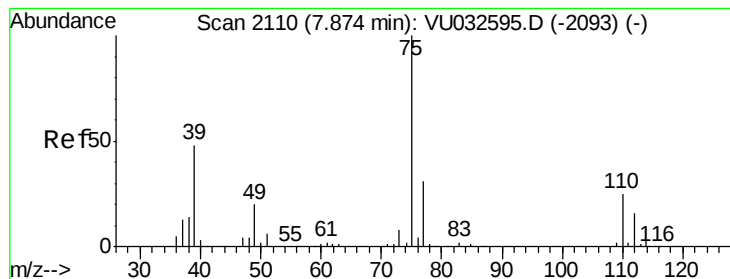
Tgt Ion: 63 Resp: 7677
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 1.116 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU032597.D
 Acq: 11 Jun 2019 10:19

Tgt Ion: 75 Resp: 2212
 Ion Ratio Lower Upper
 75 100
 77 58.8 22.0 41.0#





#44

trans-1,3-Dichloropropene

Concen: 0.762 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032597.D

Acq: 11 Jun 2019 10:19

Instrument :

MSVOA_U

ClientSampleId :

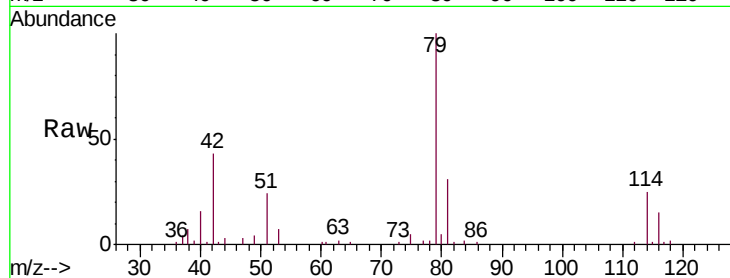
DB8C7

Tgt Ion: 75 Resp: 1341

Ion Ratio Lower Upper

75 100

77 39.9 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU032597.D (-2101) (-)

Ion 77.00 (76.70 to 77.70): VU032597.D (-2101) (-)

7.85

800

600

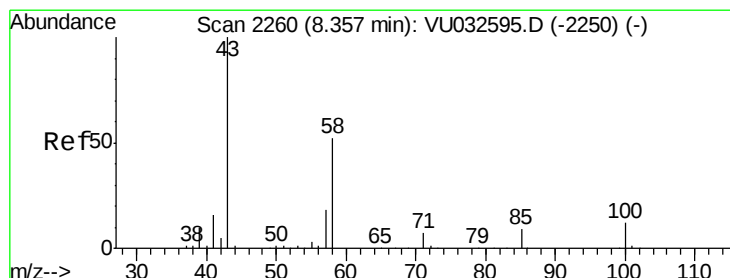
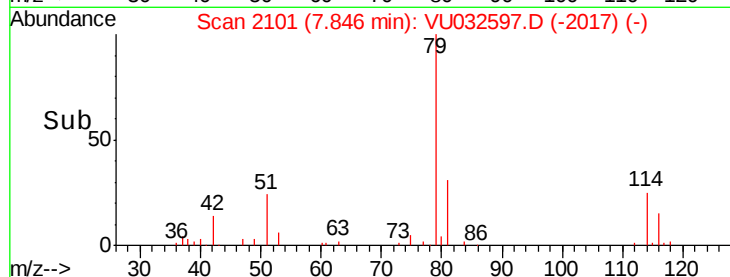
400

200

0

7.82 7.84 7.86 7.88

Time-->



#48

2-Hexanone

Concen: 3.795 ug/L

RT: 8.36 min Scan# 2260

Delta R.T. 0.00 min

Lab File: VU032597.D

Acq: 11 Jun 2019 10:19

Tgt Ion: 43 Resp: 6300

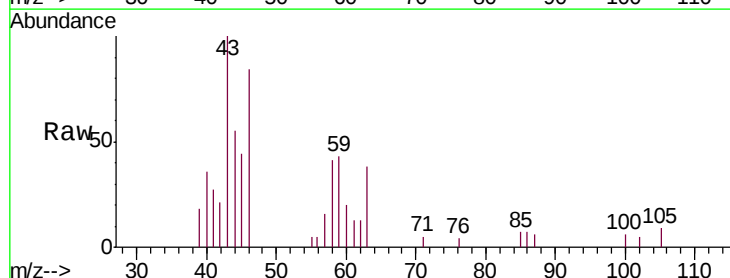
Ion Ratio Lower Upper

43 100

58 35.1 42.0 63.0#

57 5.3 14.6 22.0#

100 3.7 9.2 13.8#



Abundance Ion 43.00 (42.70 to 43.70): VU032597.D (-2167) (-)

Ion 58.00 (57.70 to 58.70): VU032597.D (-2167) (-)

Ion 57.00 (56.70 to 57.70): VU032597.D (-2167) (-)

Ion 100.00 (99.70 to 100.70): VU032597.D (-2167) (-)

8.36

5000

4000

3000

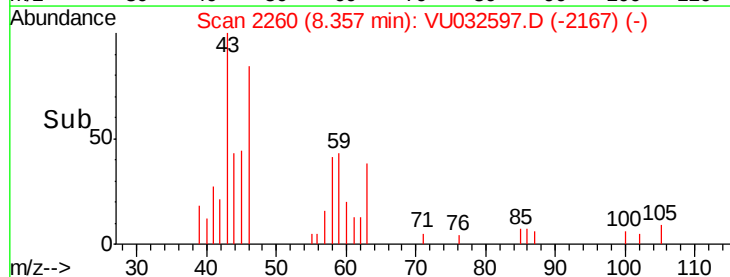
2000

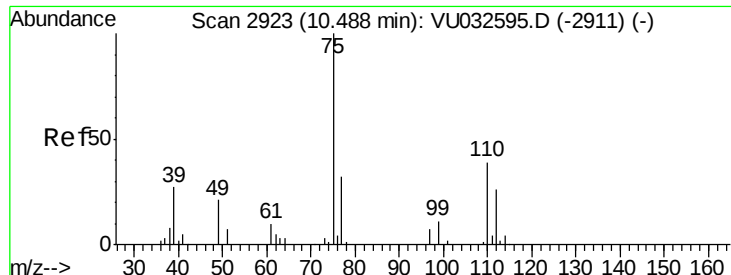
1000

0

8.30 8.35 8.40

Time-->





#59
 1,2,3-Trichloropropane
 Concen: 5.935 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU032597.D
 Acq: 11 Jun 2019 10:19

Instrument :
 MSVOA_U
 ClientSampleId :
 DB8C7

Tgt Ion: 75 Resp: 9694
 Ion Ratio Lower Upper
 75 100
 77 38.1 25.6 38.4

