

Data File : VU032577.D
Acq On : 10 Jun 2019 20:02
Operator : JC/SP
Sample : K3277-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB8B8

Quant Time: Jun 11 05:43:06 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	191542	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	176841	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	87173	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	61364	49.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.76%
7) Chloroethane-d5	1.68	69	49423	49.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.98%
11) 1,1-Dichloroethene-d2	2.27	63	90023	37.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.00%
21) 2-Butanone-d5	4.17	46	115959	111.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.50%
24) Chloroform-d	4.64	84	112659	48.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.22%
26) 1,2-Dichloroethane-d4	5.30	65	75093	51.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.86%
32) Benzene-d6	5.33	84	234903	51.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.34%
36) 1,2-Dichloropropane-d6	6.32	67	73757	51.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.48%
41) Toluene-d8	7.56	98	215492	49.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.00%
43) trans-1,3-Dichloropropene-	7.85	79	34093	49.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.98%
47) 2-Hexanone-d5	8.31	63	64666	92.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.61%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	103840	49.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.56%
64) 1,2-Dichlorobenzene-d4	11.86	152	84363	50.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.06%

Target Compounds

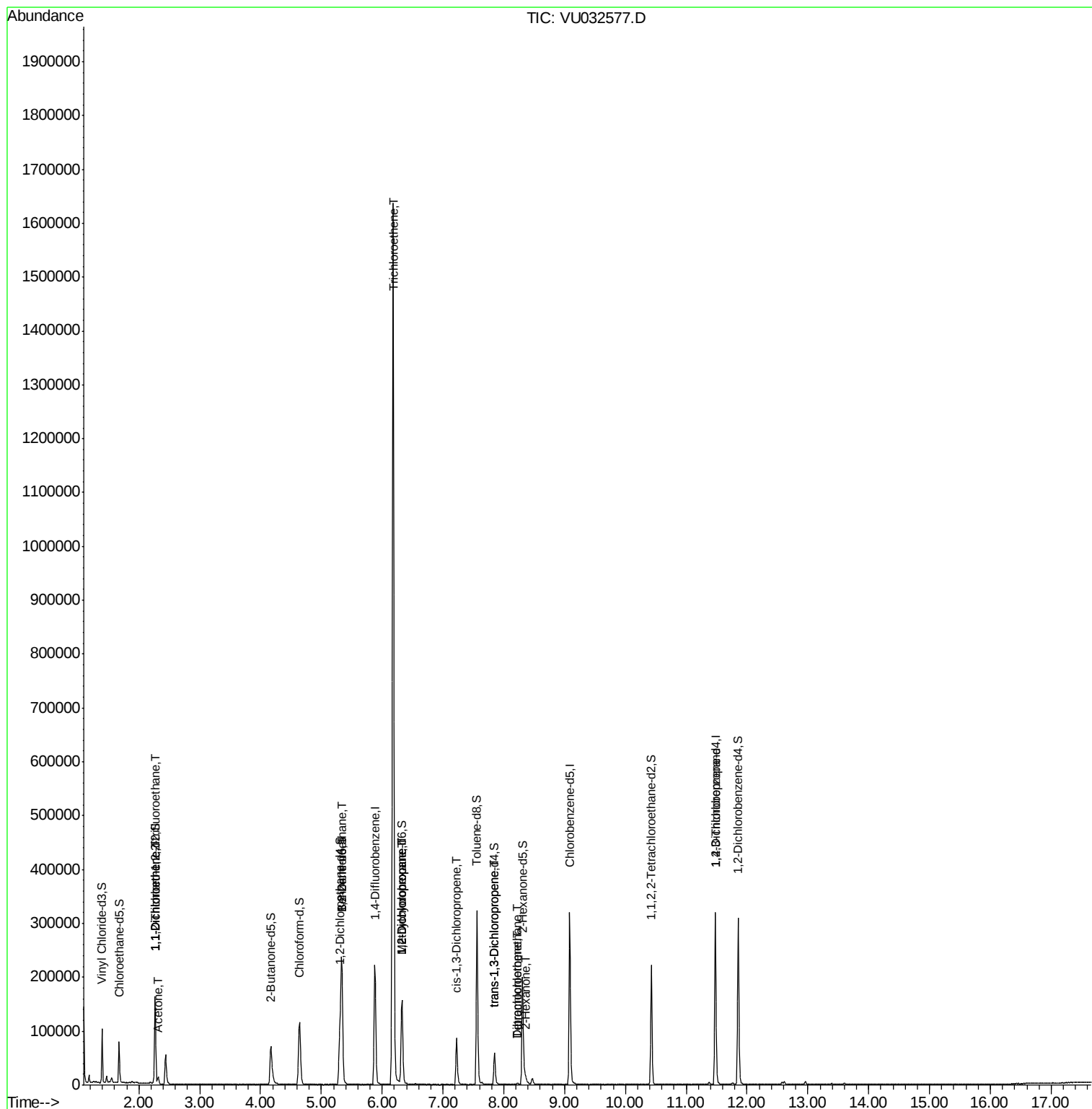
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	747	0.638	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	770	0.677	ug/L #	1
13) Acetone	2.32	43	14188	13.222	ug/L	94
27) 1,2-Dichloroethane	5.33	62	1308	0.714	ug/L #	75
34) Trichloroethene	6.18	95	543105	401.767	ug/L	98
35) Methylcyclohexane	6.32	83	16709	7.635	ug/L #	19
37) 1,2-Dichloropropane	6.32	63	8369	6.354	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2198	1.058	ug/L #	69
44) trans-1,3-Dichloropropene	7.85	75	1682	0.912	ug/L	94
46) Tetrachloroethene	8.22	164	782	0.700	ug/L	96
48) 2-Hexanone	8.36	43	5547	3.187	ug/L #	87
49) Dibromochloromethane	8.22	129	776	0.536	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	10004	5.843	ug/L #	81

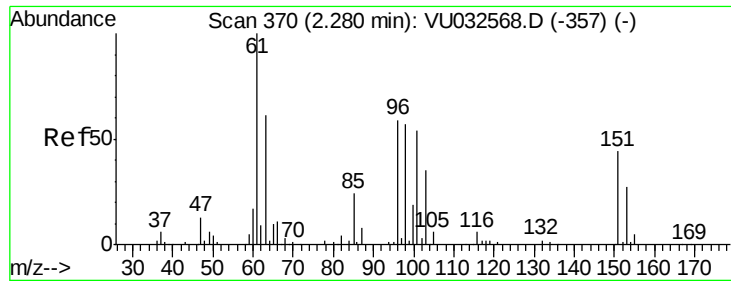
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.638 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU032577.D

Acq: 10 Jun 2019 20:02

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MSVOA_U

ClientSampleId :

DB8B8

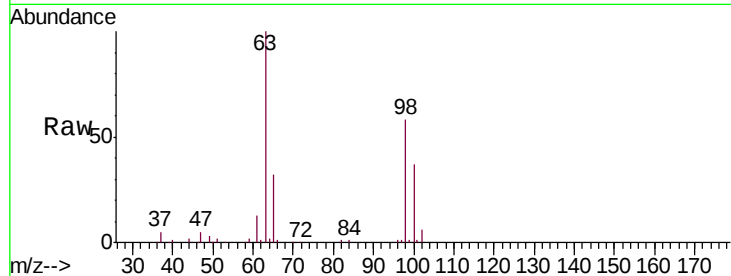
Tgt Ion: 101 Resp: 747

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

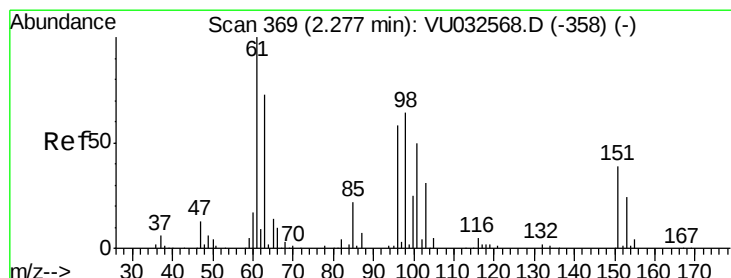
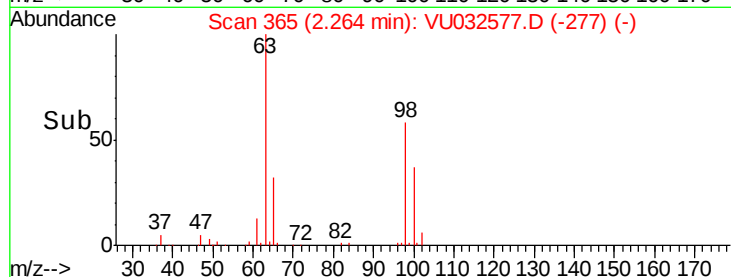
400

200

0

2.24 2.26 2.28 2.30

Time-->



#12

1,1-Dichloroethene

Concen: 0.677 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU032577.D

Acq: 10 Jun 2019 20:02

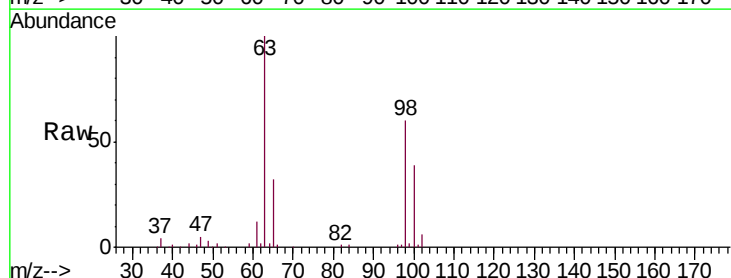
Tgt Ion: 96 Resp: 770

Ion Ratio Lower Upper

96 100

61 1164.5 129.5 240.5#

63 9619.9 103.4 192.0#



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

80000

60000

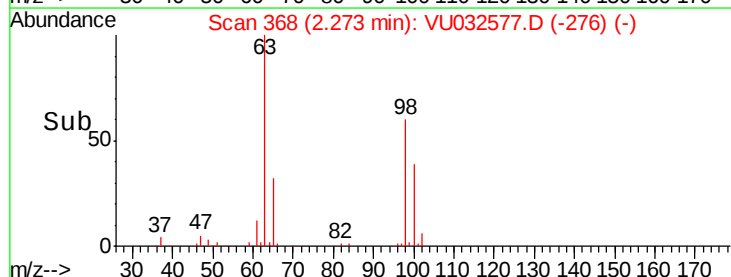
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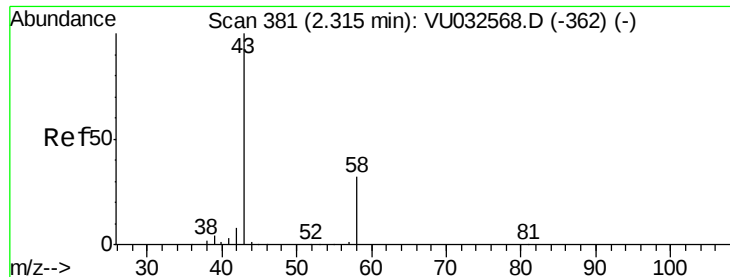
20000

0

2.24 2.26 2.28 2.30

Time-->





#13

Acetone

Concen: 13.222 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU032577.D

Acq: 10 Jun 2019 20:02

Instrument :

MSVOA_U

ClientSampleId :

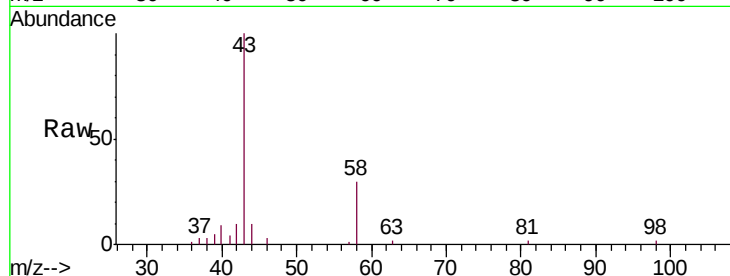
DB8B8

Tgt Ion: 43 Resp: 14188

Ion Ratio Lower Upper

43 100

58 28.8 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) (-)

2.32

8000

6000

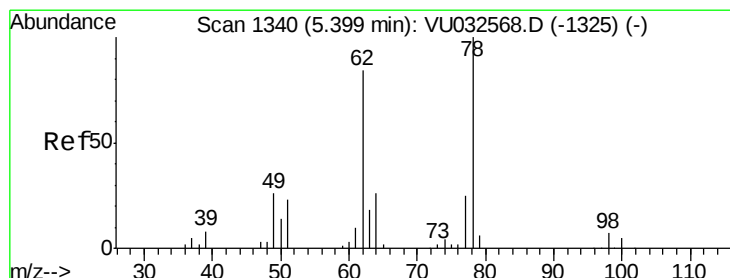
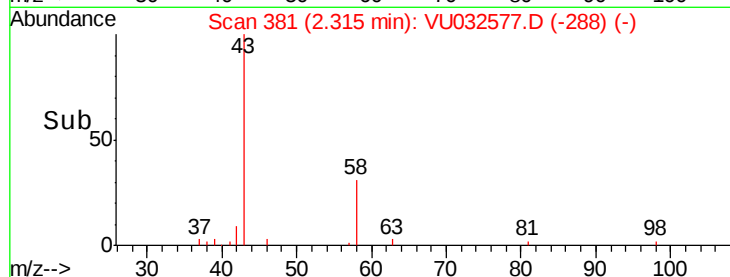
4000

2000

0

Time-->

2.25 2.30 2.35 2.40



#27

1,2-Dichloroethane

Concen: 0.714 ug/L

RT: 5.33 min Scan# 1320

Delta R.T. -0.06 min

Lab File: VU032577.D

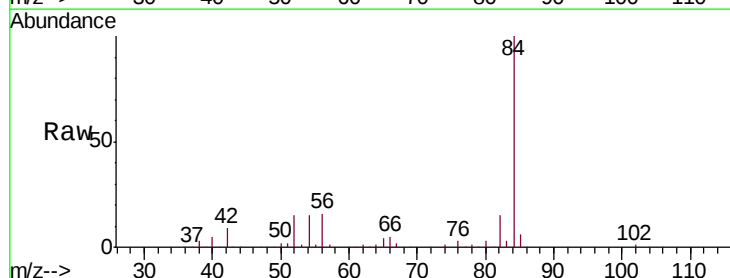
Acq: 10 Jun 2019 20:02

Tgt Ion: 62 Resp: 1308

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) (-)

5.33

800

600

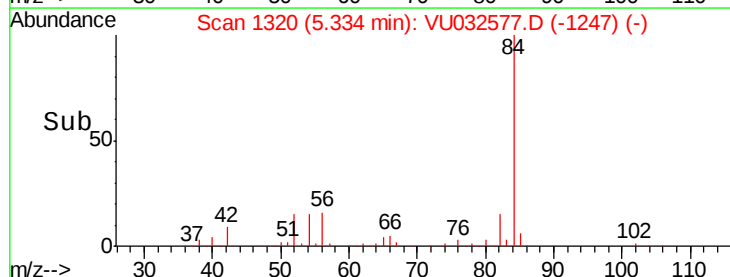
400

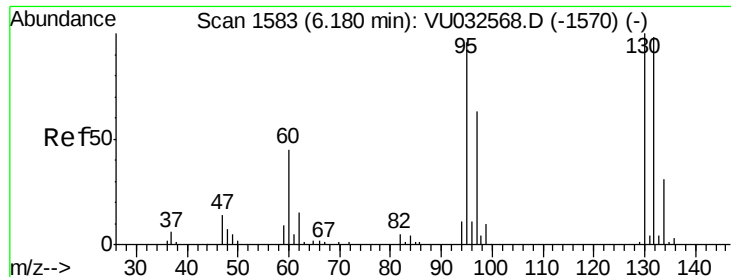
200

0

Time-->

5.30 5.35

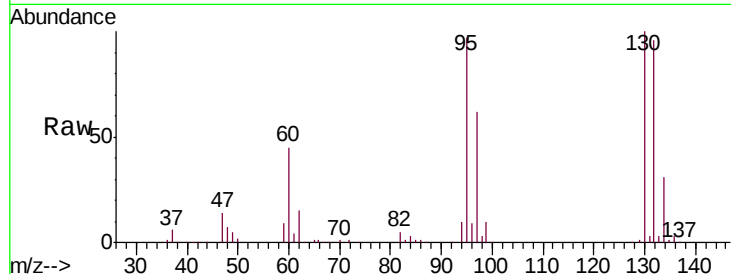




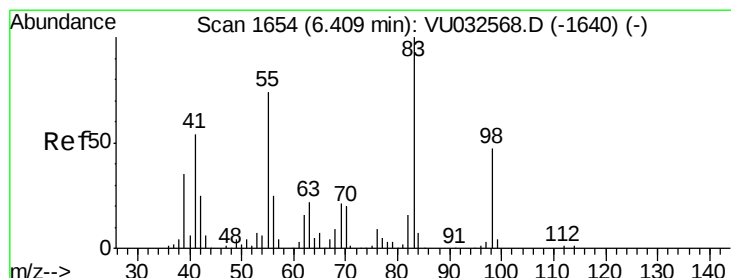
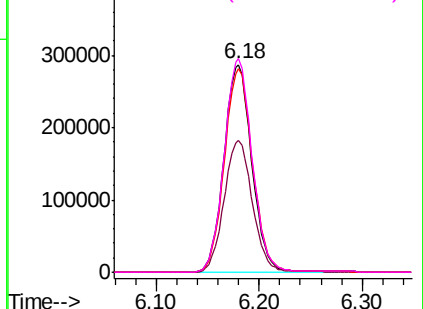
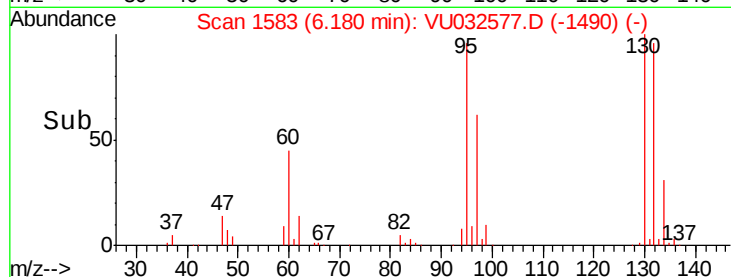
#34
 Trichloroethene
 Concen: 401.767 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU032577.D
 Acq: 10 Jun 2019 20:02

Instrument :
 MSVOA_U
 ClientSampleId :
 DB8B8

Tgt Ion: 95 Resp: 543105
 Ion Ratio Lower Upper
 95 100
 97 63.7 45.8 85.2
 132 98.2 71.0 131.8
 130 102.8 73.4 136.2

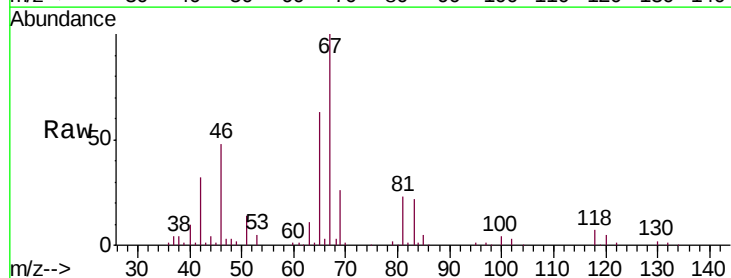


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

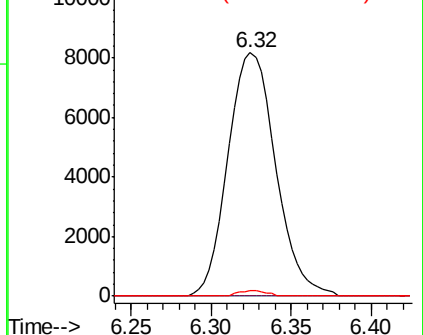
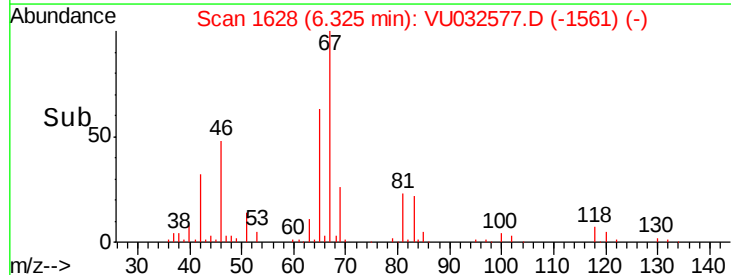


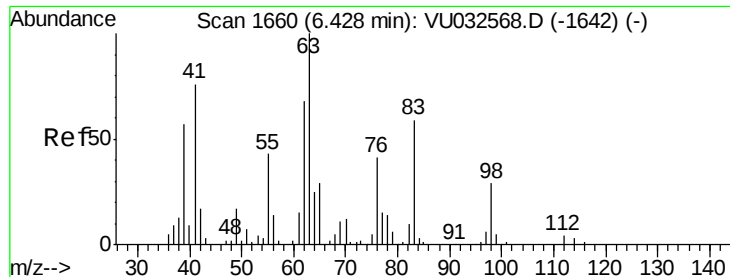
#35
 Methylcyclohexane
 Concen: 7.635 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.08 min
 Lab File: VU032577.D
 Acq: 10 Jun 2019 20:02

Tgt Ion: 83 Resp: 16709
 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

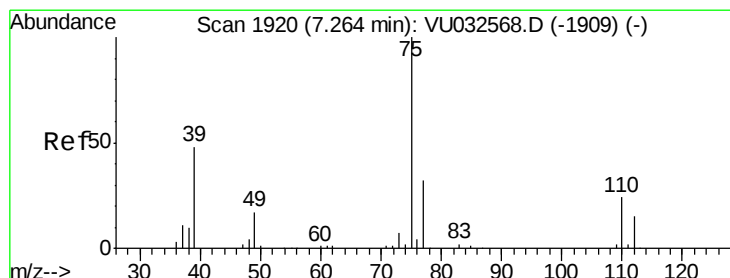
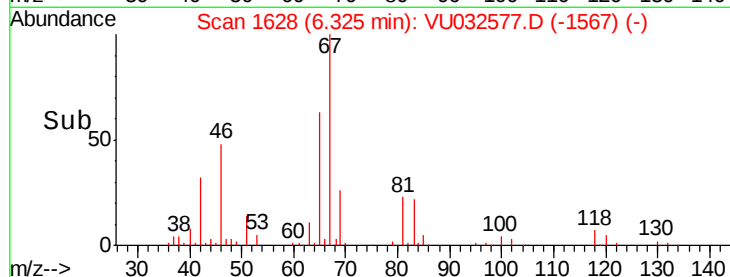
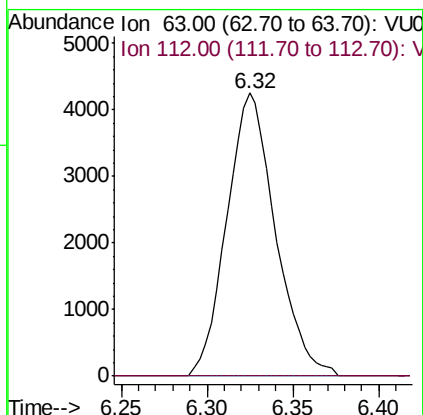
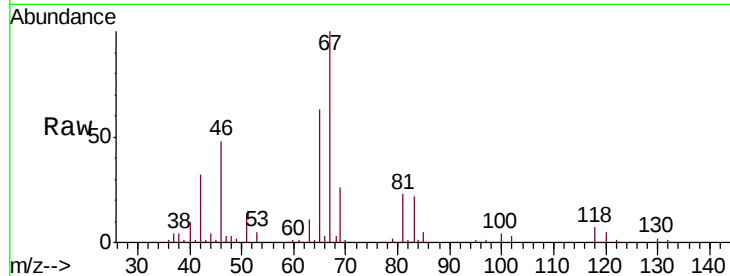




#37
 1,2-Dichloropropane
 Concen: 6.354 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU032577.D
 Acq: 10 Jun 2019 20:02

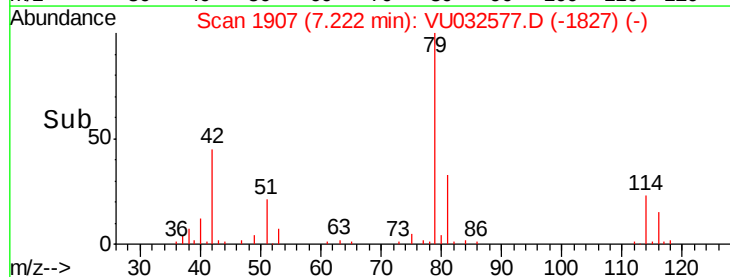
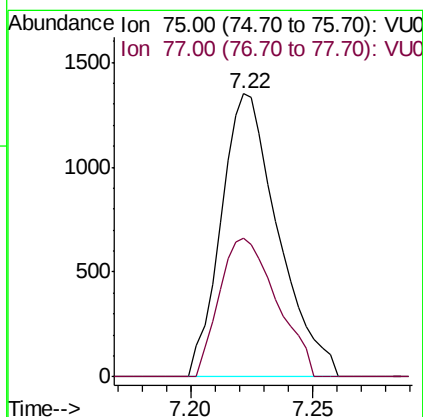
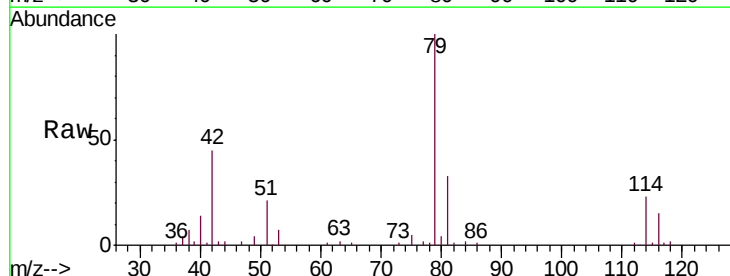
Instrument :
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 ClientSampleId :
 DB8B8

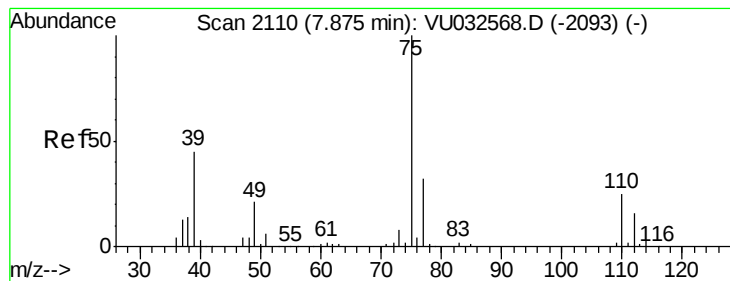
Tgt Ion: 63 Resp: 8369
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 1.058 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU032577.D
 Acq: 10 Jun 2019 20:02

Tgt Ion: 75 Resp: 2198
 Ion Ratio Lower Upper
 75 100
 77 48.8 22.0 41.0#





#44

trans-1,3-Dichloropropene

Concen: 0.912 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032577.D

Acq: 10 Jun 2019 20:02

Instrument :

MSVOA_U

ClientSampleId :

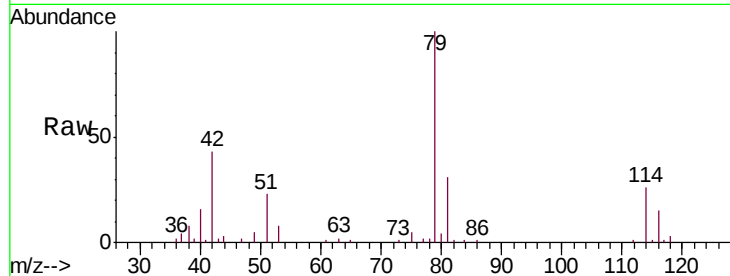
DB8B8

Tgt Ion: 75 Resp: 1682

Ion Ratio Lower Upper

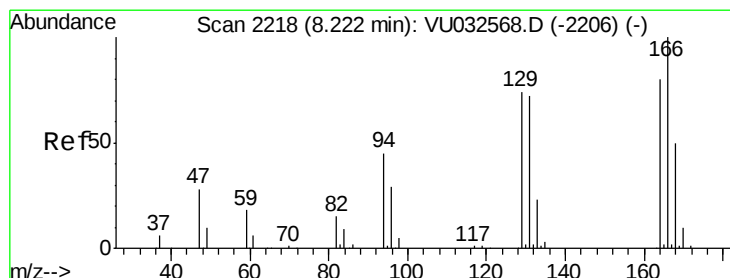
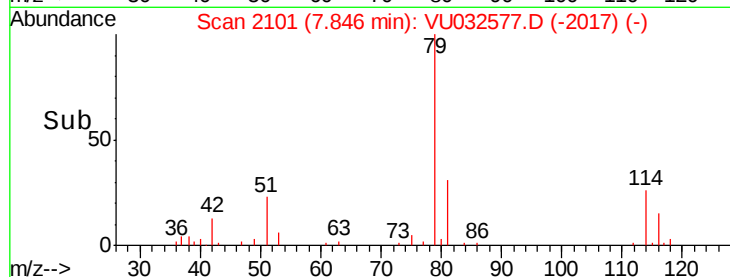
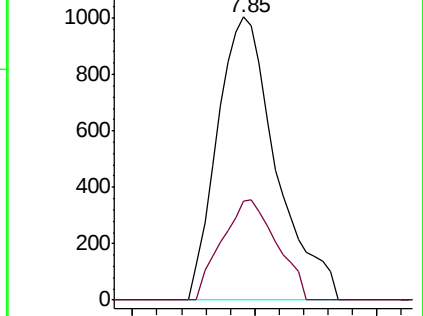
75 100

77 34.9 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) (-)



#46

Tetrachloroethene

Concen: 0.700 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU032577.D

Acq: 10 Jun 2019 20:02

Tgt Ion: 164 Resp: 782

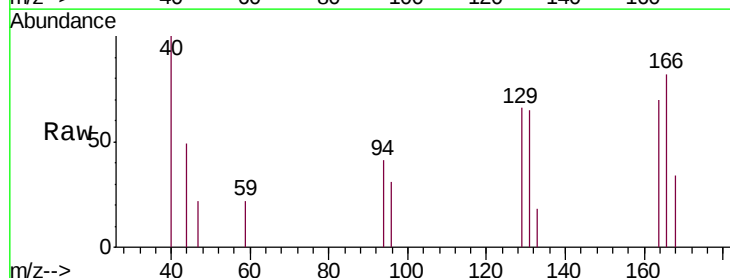
Ion Ratio Lower Upper

164 100

129 94.8 65.3 121.3

131 92.9 64.0 119.0

166 118.0 88.8 165.0

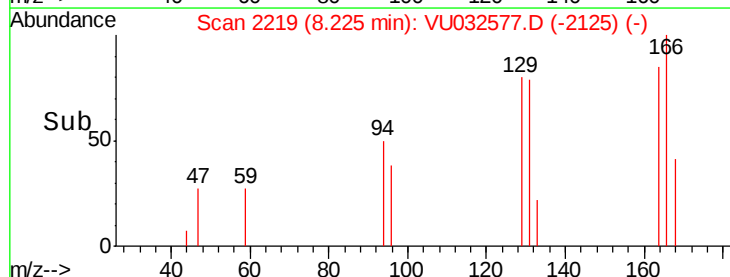
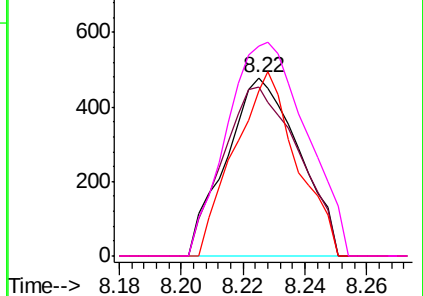


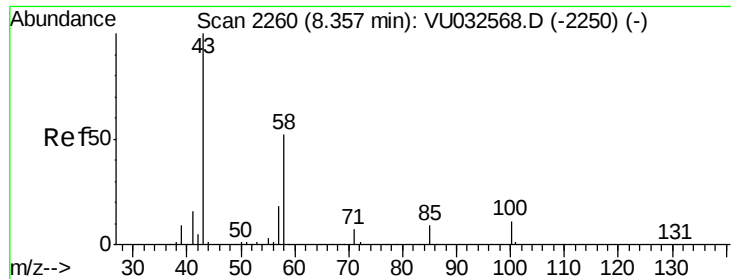
Abundance Ion 164.00 (163.70 to 164.70): VU032568.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU032568.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU032568.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU032568.D (-2206) (-)

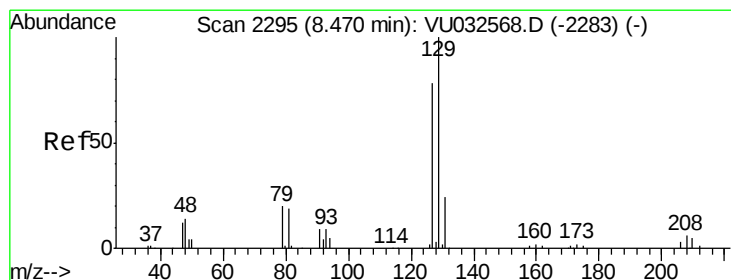
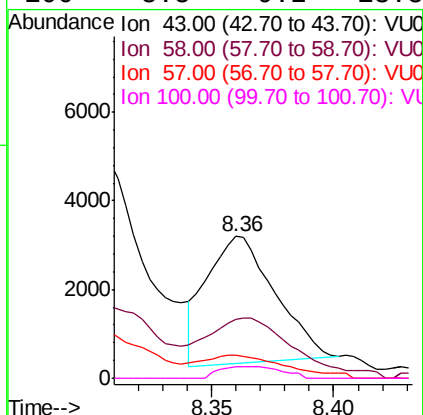
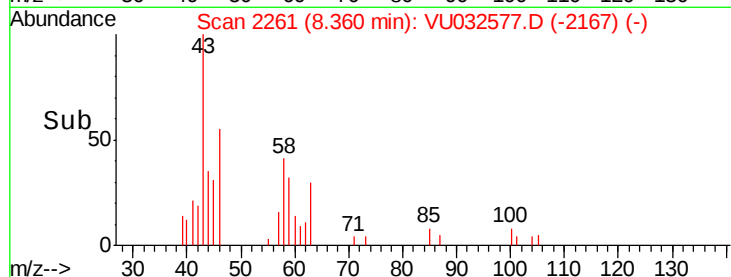
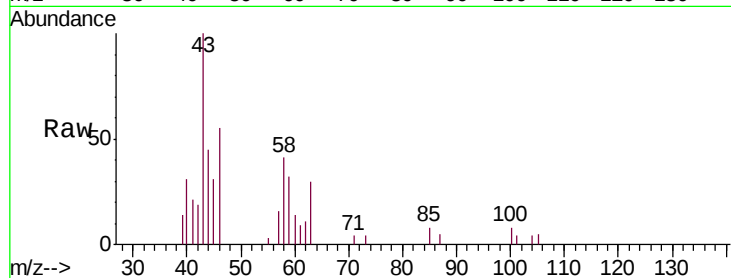




#48
2-Hexanone
Concen: 3.187 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU032577.D
Acq: 10 Jun 2019 20:02

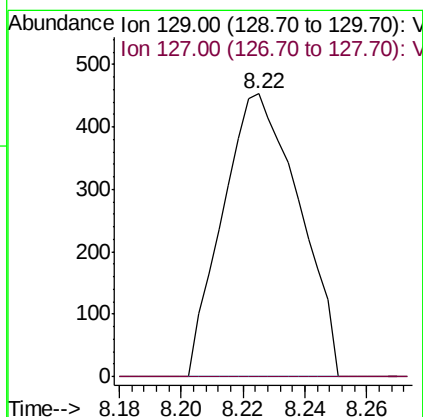
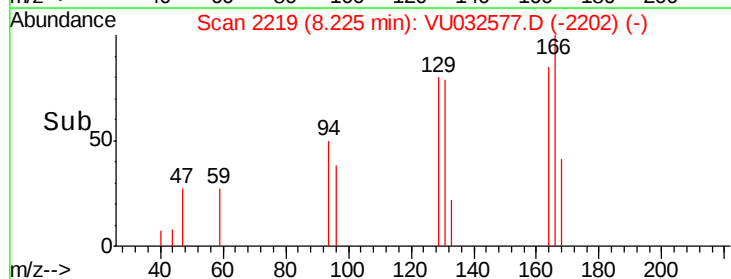
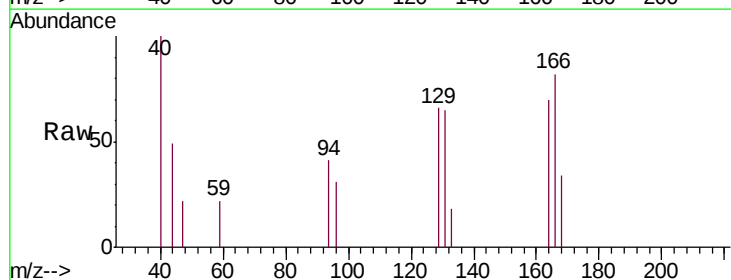
Instrument :
MSVOA_U
ClientSampleId :
DB8B8

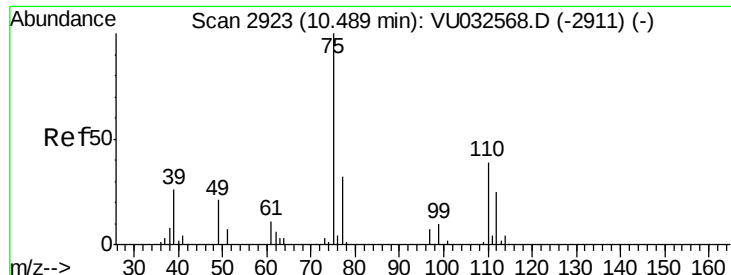
Tgt Ion: 43 Resp: 5547
Ion Ratio Lower Upper
43 100
58 49.9 42.0 63.0
57 0.0 14.6 22.0#
100 8.5 9.2 13.8#



#49
Dibromochloromethane
Concen: 0.536 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.24 min
Lab File: VU032577.D
Acq: 10 Jun 2019 20:02

Tgt Ion: 129 Resp: 776
Ion Ratio Lower Upper
129 100
127 0.0 53.6 99.6#





#59

1,2,3-Trichloropropane

Concen: 5.843 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032577.D

Acq: 10 Jun 2019 20:02

Instrument :

MSVOA_U

ClientSampleId :

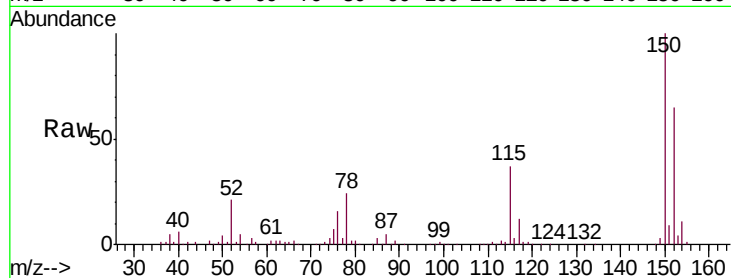
DB8B8

Tgt Ion: 75 Resp: 10004

Ion Ratio Lower Upper

75 100

77 42.6 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

