

Data File : VU032585.D
Acq On : 10 Jun 2019 23:05
Operator : JC/SP
Sample : K3277-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB8C6

Quant Time: Jun 11 05:44:15 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	185555	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	171801	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	87635	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	57311	47.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.22%
7) Chloroethane-d5	1.68	69	47784	49.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.78%
11) 1,1-Dichloroethene-d2	2.27	63	87281	37.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.06%
21) 2-Butanone-d5	4.17	46	98775	98.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.04%
24) Chloroform-d	4.64	84	109921	48.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.92%
26) 1,2-Dichloroethane-d4	5.30	65	73373	51.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.76%
32) Benzene-d6	5.33	84	228118	51.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.30%
36) 1,2-Dichloropropane-d6	6.32	67	71786	51.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.66%
41) Toluene-d8	7.56	98	211517	50.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.04%
43) trans-1,3-Dichloropropene-	7.85	79	30866	46.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.24%
47) 2-Hexanone-d5	8.31	63	63809	94.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	101576	50.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.26%
64) 1,2-Dichlorobenzene-d4	11.85	152	86196	51.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.70%

Target Compounds

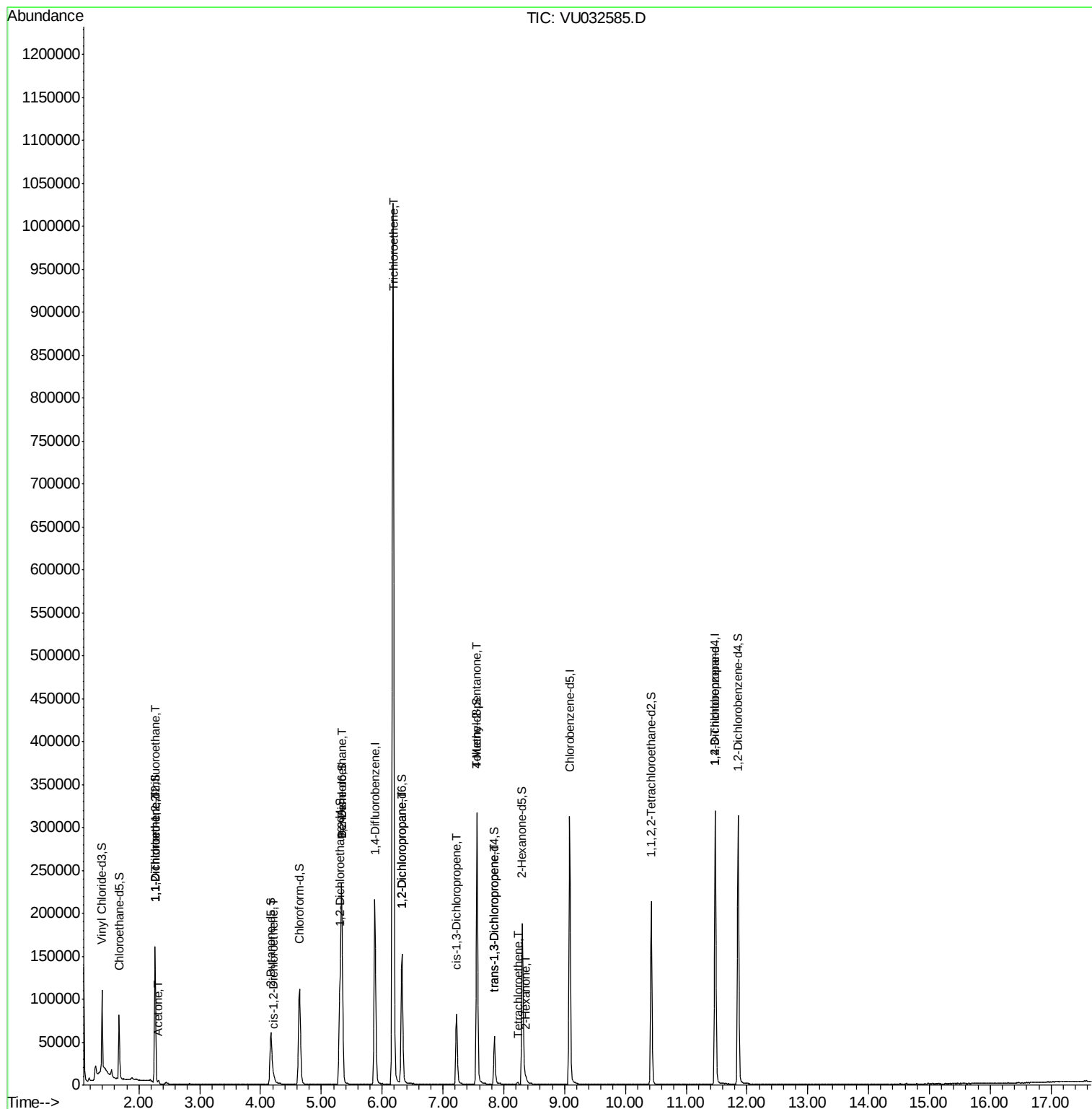
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	837	0.738	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	673	0.611	ug/L #	1
13) Acetone	2.32	43	2999	2.885	ug/L	89
20) cis-1,2-Dichloroethene	4.23	96	1135	0.841	ug/L	84
27) 1,2-Dichloroethane	5.33	62	1284	0.724	ug/L #	75
34) Trichloroethene	6.18	95	339024	258.154	ug/L	99
37) 1,2-Dichloropropane	6.32	63	8222	6.426	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2315	1.147	ug/L	85
40) 4-Methyl-2-pentanone	7.56	43	980	0.476	ug/L #	1
44) trans-1,3-Dichloropropene	7.85	75	1457	0.813	ug/L #	80
46) Tetrachloroethene	8.22	164	567	0.523	ug/L	91
48) 2-Hexanone	8.36	43	2754	1.629	ug/L #	79
59) 1,2,3-Trichloropropane	11.48	75	10236	6.154	ug/L	90

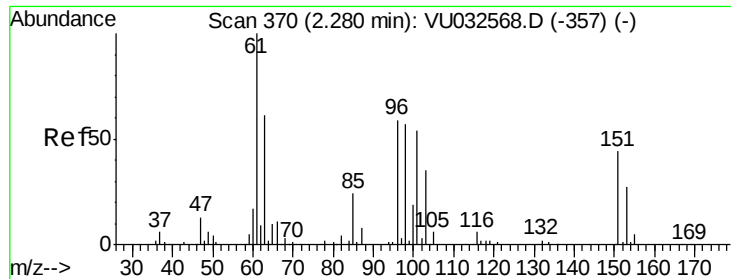
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.738 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032585.D

Acq: 10 Jun 2019 23:05

Instrument :

MSVOA_U

ClientSampleId :

DB8C6

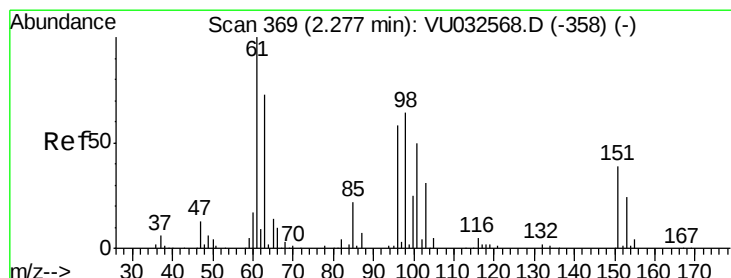
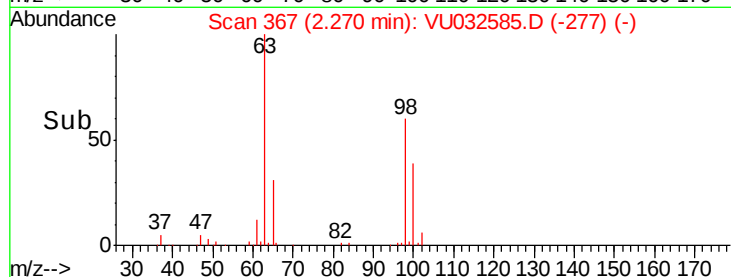
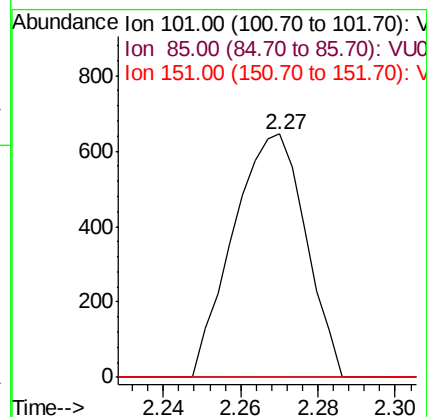
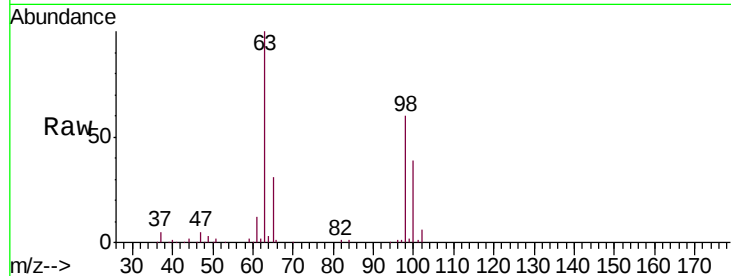
Tgt Ion: 101 Resp: 837

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: 0.611 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032585.D

Acq: 10 Jun 2019 23:05

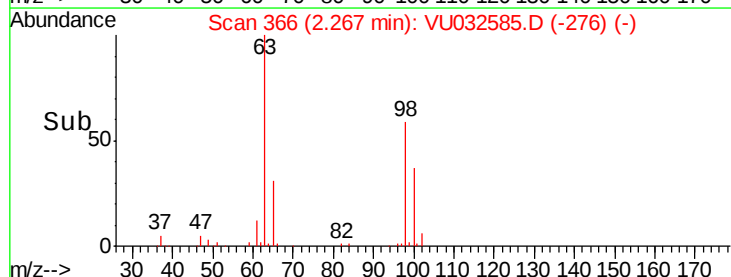
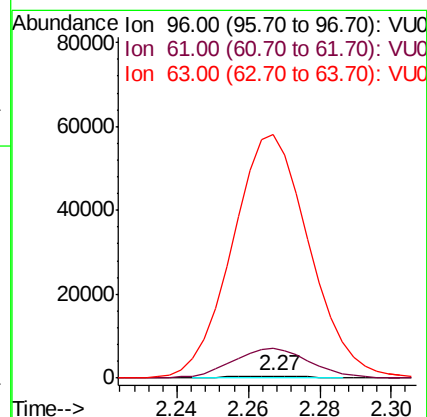
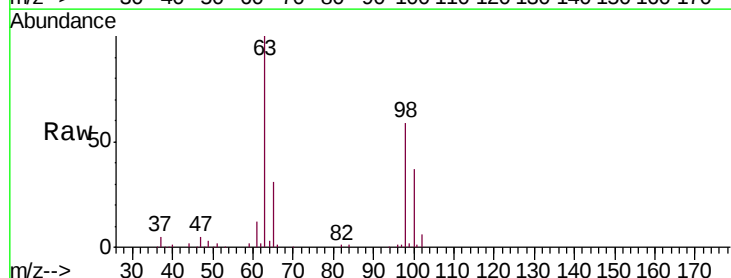
Tgt Ion: 96 Resp: 673

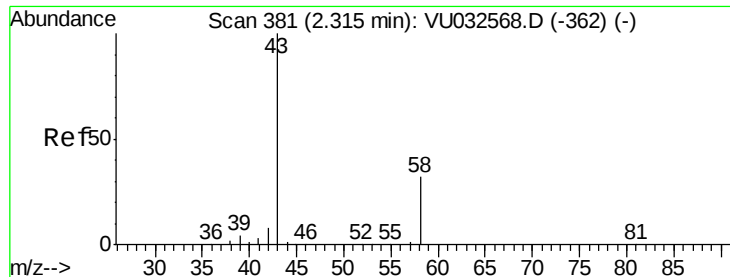
Ion Ratio Lower Upper

96 100

61 1696.7 129.5 240.5#

63 13722.9 103.4 192.0#





#13

Acetone

Concen: 2.885 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032585.D

Acq: 10 Jun 2019 23:05

Instrument :

MSVOA_U

ClientSampleId :

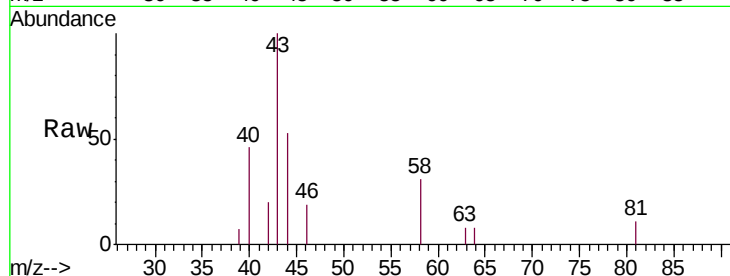
DB8C6

Tgt Ion: 43 Resp: 2999

Ion Ratio Lower Upper

43 100

58 25.9 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

1500

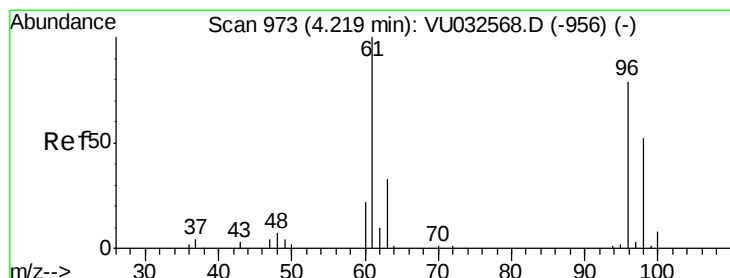
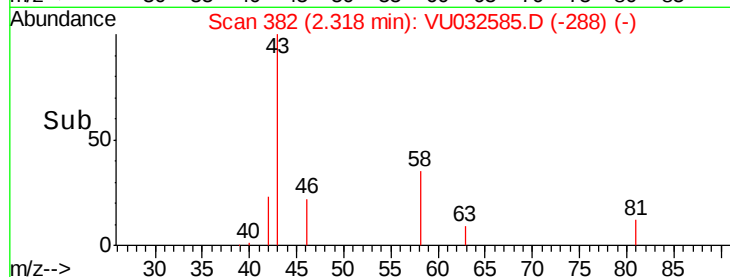
1000

500

0

2.30 2.35

Time-->



#20

cis-1,2-Dichloroethene

Concen: 0.841 ug/L

RT: 4.23 min Scan# 975

Delta R.T. 0.01 min

Lab File: VU032585.D

Acq: 10 Jun 2019 23:05

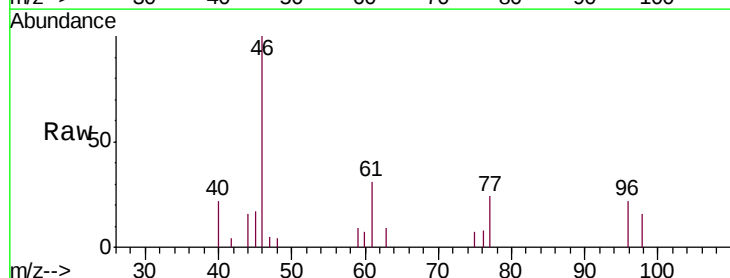
Tgt Ion: 96 Resp: 1135

Ion Ratio Lower Upper

96 100

61 142.9 87.2 162.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU032568.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU032568.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU032568.D (-956) (-)

4.23

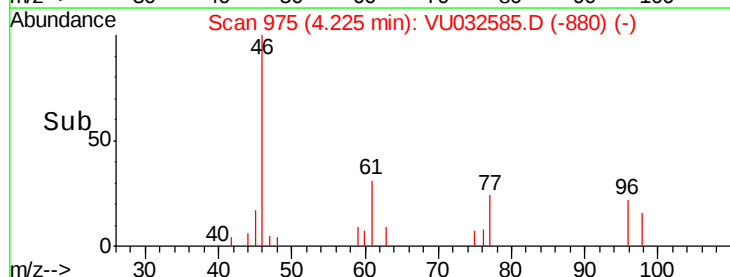
1000

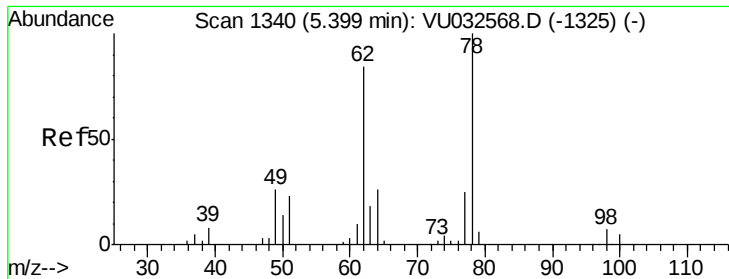
500

0

4.20 4.22 4.24 4.26

Time-->





#27

1,2-Dichloroethane

Concen: 0.724 ug/L

RT: 5.33 min Scan# 1320

Delta R.T. -0.06 min

Lab File: VU032585.D

Acq: 10 Jun 2019 23:05

Instrument :

MSVOA_U

ClientSampleId :

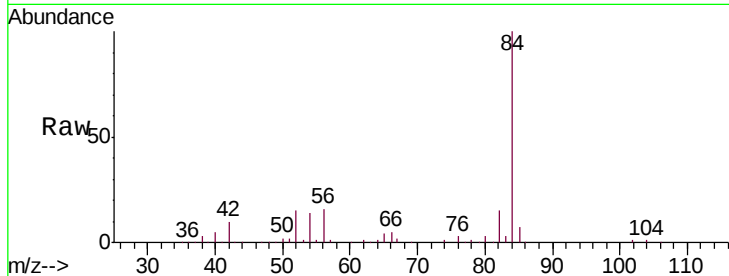
DB8C6

Tgt Ion: 62 Resp: 1284

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

600

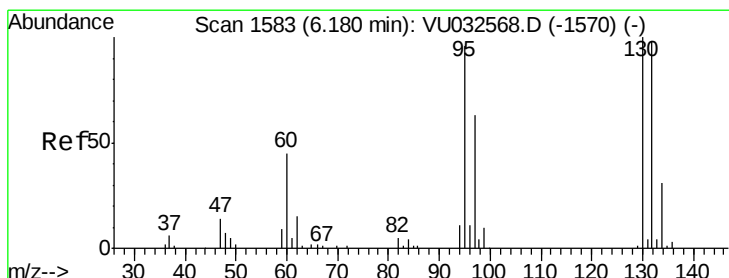
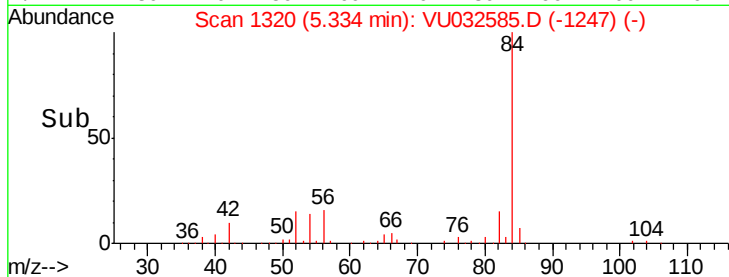
400

200

0

5.30 5.35

Time-->



#34

Trichloroethene

Concen: 258.154 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032585.D

Acq: 10 Jun 2019 23:05

Tgt Ion: 95 Resp: 339024

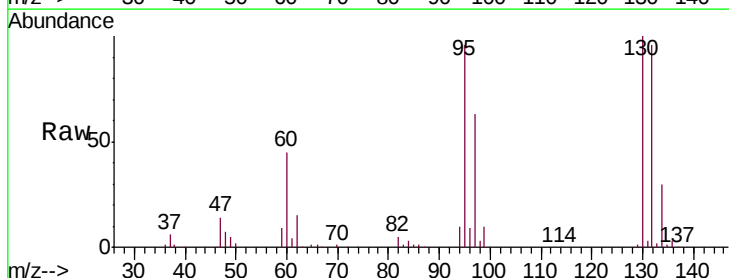
Ion Ratio Lower Upper

95 100

97 65.0 45.8 85.2

132 99.7 71.0 131.8

130 104.0 73.4 136.2



Abundance Ion 95.00 (94.70 to 95.70): VU032568.D (-1570) (-)

Ion 97.00 (96.70 to 97.70): VU032568.D (-1570) (-)

Ion 132.00 (131.70 to 132.70): VU032568.D (-1570) (-)

Ion 130.00 (129.70 to 130.70): VU032568.D (-1570) (-)

6.18

200000

150000

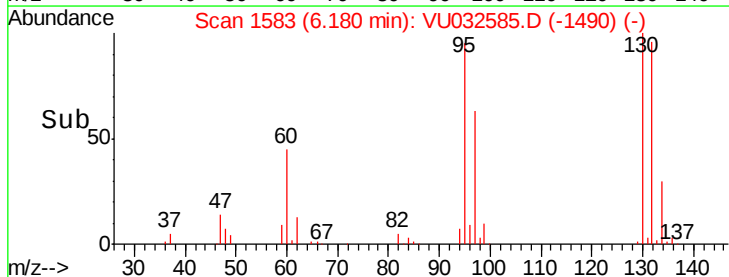
100000

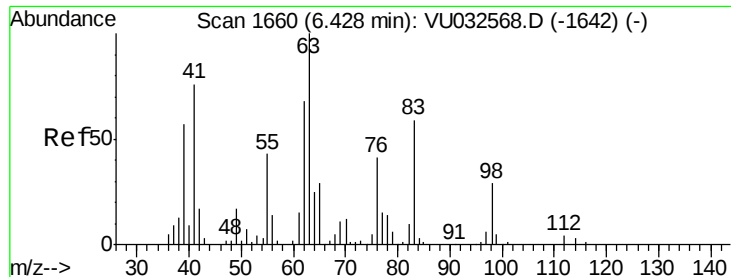
50000

0

6.10 6.15 6.20 6.25 6.30

Time-->





#37

1,2-Dichloropropane

Concen: 6.426 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU032585.D

Acq: 10 Jun 2019 23:05

Instrument :

MSVOA_U

ClientSampleId :

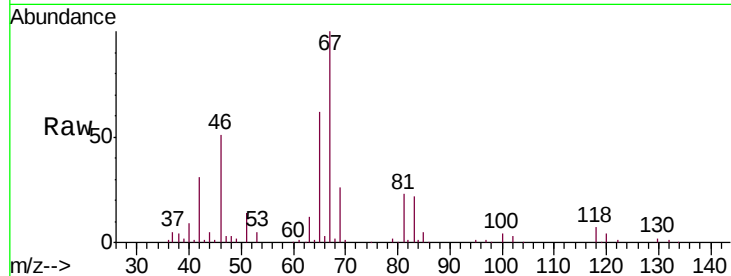
DB8C6

Tgt Ion: 63 Resp: 8222

Ion Ratio Lower Upper

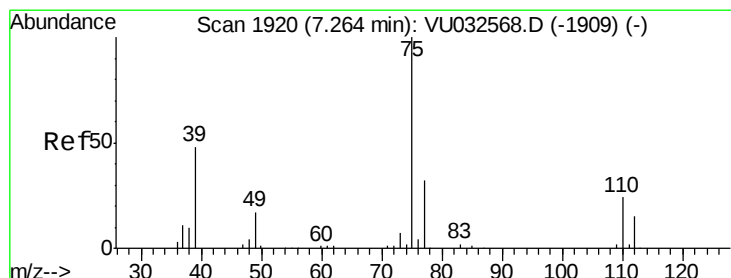
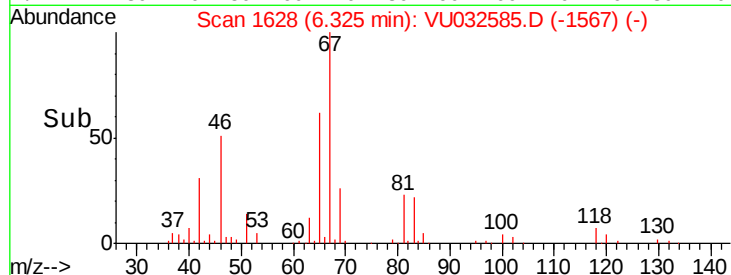
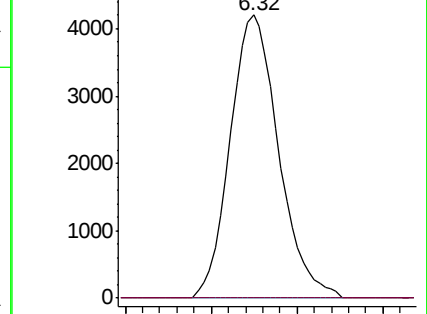
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU032568.D (-1642) (-)

Ion 112.00 (111.70 to 112.70): VU032568.D (-1642) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.147 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU032585.D

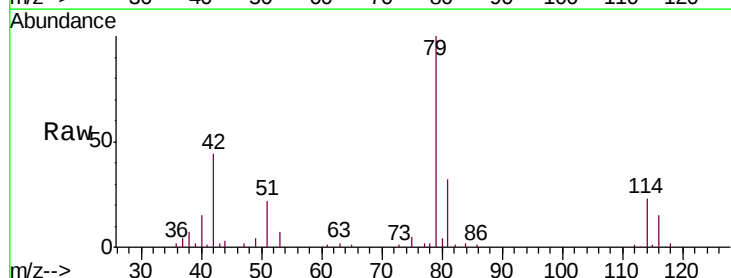
Acq: 10 Jun 2019 23:05

Tgt Ion: 75 Resp: 2315

Ion Ratio Lower Upper

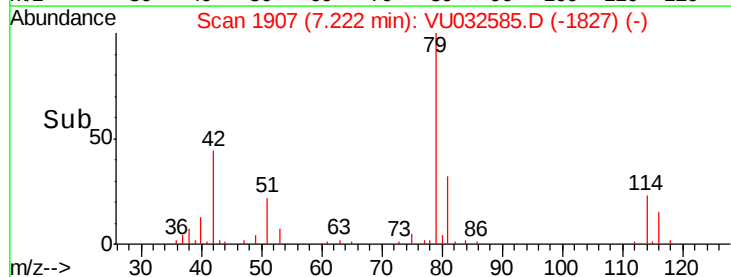
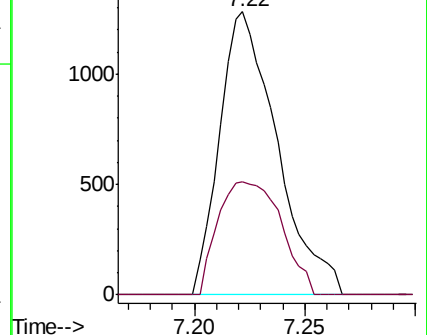
75 100

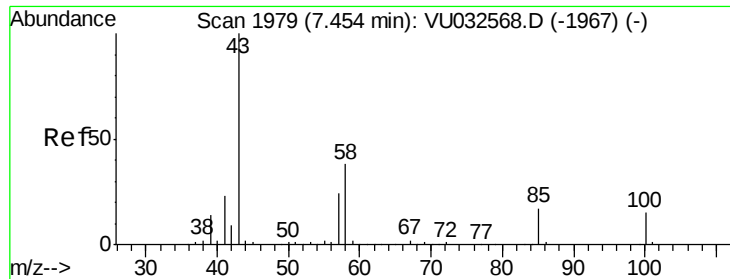
77 40.0 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VU032568.D (-1909) (-)

Ion 77.00 (76.70 to 77.70): VU032568.D (-1909) (-)

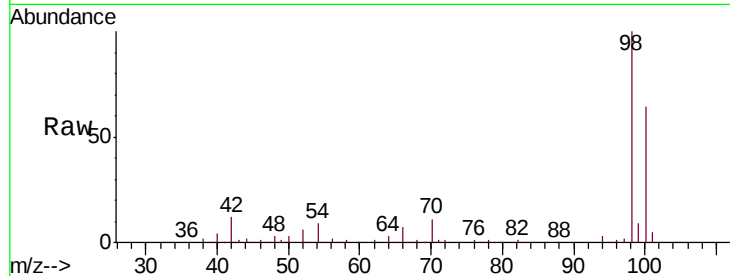




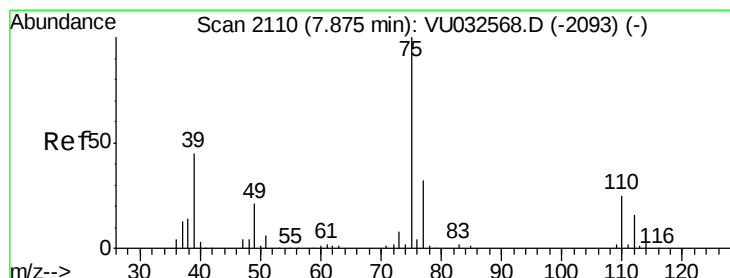
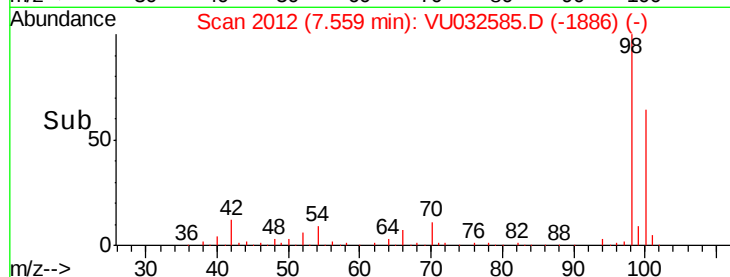
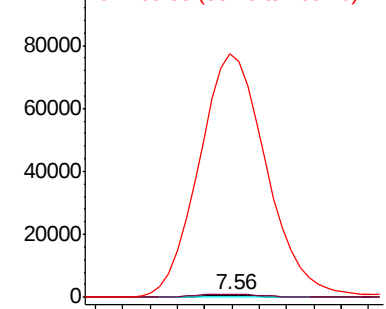
#40
 4-Methyl-2-pentanone
 Concen: 0.476 ug/L
 RT: 7.56 min Scan# 2012
 Delta R.T. 0.11 min
 Lab File: VU032585.D
 Acq: 10 Jun 2019 23:05

Instrument :
 MSVOA_U
 ClientSampleID :
 DB8C6

Tgt Ion: 43 Resp: 980
 Ion Ratio Lower Upper
 43 100
 58 170.4 30.8 46.2#
 100 13734.2 12.1 18.1#

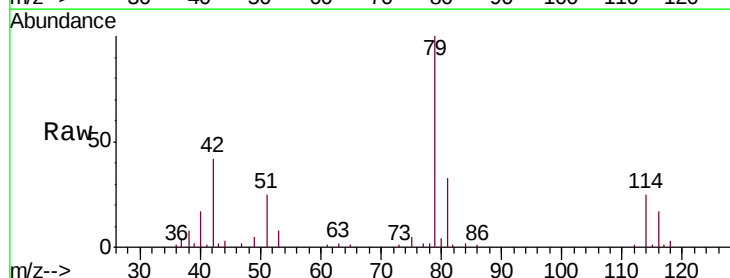


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

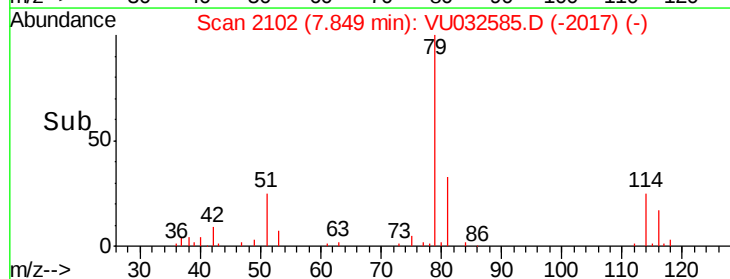
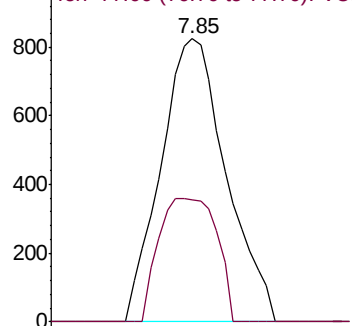


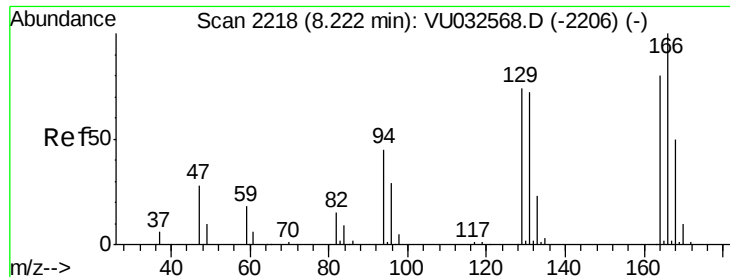
#44
 trans-1,3-Dichloropropene
 Concen: 0.813 ug/L
 RT: 7.85 min Scan# 2102
 Delta R.T. -0.03 min
 Lab File: VU032585.D
 Acq: 10 Jun 2019 23:05

Tgt Ion: 75 Resp: 1457
 Ion Ratio Lower Upper
 75 100
 77 43.0 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0

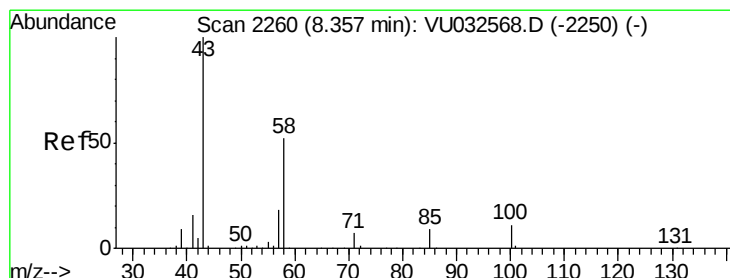
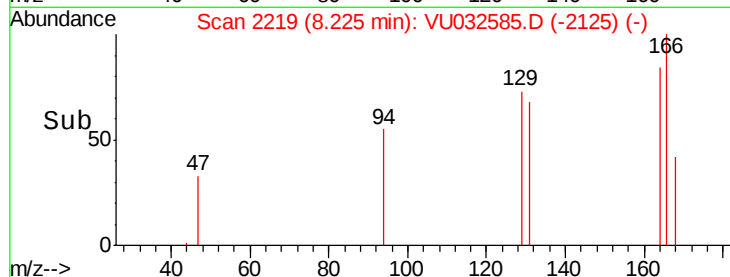
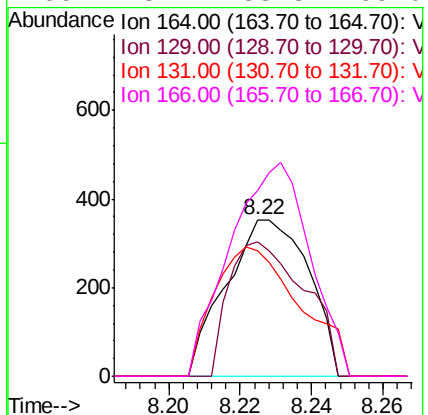
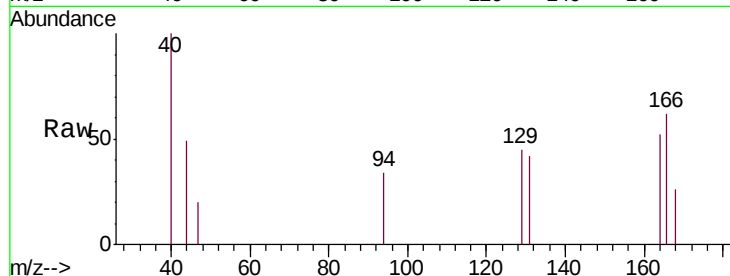




#46
Tetrachloroethene
Concen: 0.523 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU032585.D
Acq: 10 Jun 2019 23:05

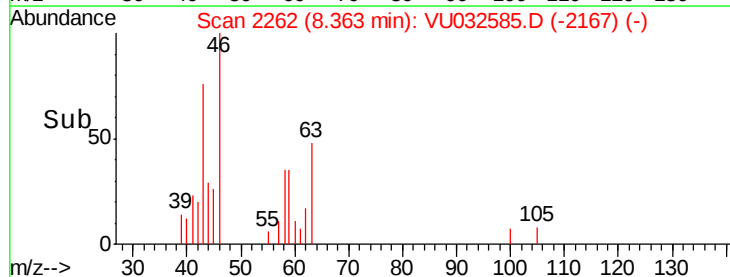
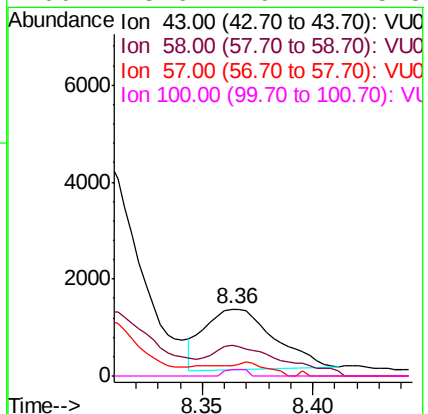
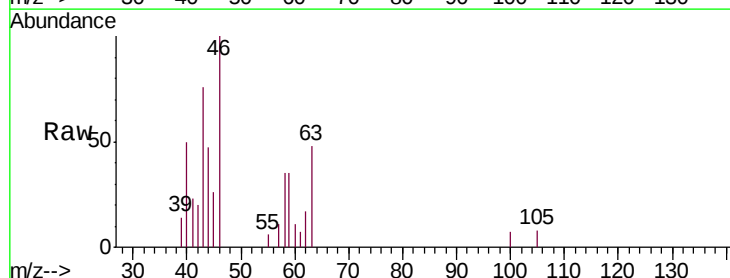
Instrument :
MSVOA_U
ClientSampleId :
DB8C6

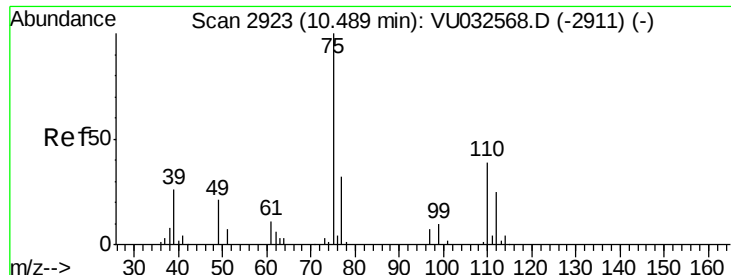
Tgt Ion: 164 Resp: 567
Ion Ratio Lower Upper
164 100
129 85.9 65.3 121.3
131 80.2 64.0 119.0
166 118.4 88.8 165.0



#48
2-Hexanone
Concen: 1.629 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU032585.D
Acq: 10 Jun 2019 23:05

Tgt Ion: 43 Resp: 2754
Ion Ratio Lower Upper
43 100
58 36.8 42.0 63.0#
57 11.1 14.6 22.0#
100 3.6 9.2 13.8#





#59
 1,2,3-Trichloropropane
 Concen: 6.154 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU032585.D
 Acq: 10 Jun 2019 23:05

Instrument :
 MSVOA_U
 ClientSampleId :
 DB8C6

Tgt Ion: 75 Resp: 10236
 Ion Ratio Lower Upper
 75 100
 77 37.8 25.6 38.4

