

Data File : VU032781.D
Acq On : 17 Jun 2019 14:46
Operator : JC/SP
Sample : K3383-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0XK6

Quant Time: Jun 18 02:42:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 18 02:39:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	222974	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	214277	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	104535	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	74772	49.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.14%
7) Chloroethane-d5	1.68	69	60672	49.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.84%
11) 1,1-Dichloroethene-d2	2.27	63	114300	37.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.46%
21) 2-Butanone-d5	4.17	46	129361	101.99	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.99%
24) Chloroform-d	4.64	84	144110	48.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.30%
26) 1,2-Dichloroethane-d4	5.30	65	100485	50.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.84%
32) Benzene-d6	5.33	84	285935	51.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.38%
36) 1,2-Dichloropropane-d6	6.32	67	93205	52.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.76%
41) Toluene-d8	7.56	98	265739	50.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.60%
43) trans-1,3-Dichloropropene-	7.84	79	46126	49.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.66%
47) 2-Hexanone-d5	8.31	63	84444	101.63	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.63%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	131019	47.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.26%
64) 1,2-Dichlorobenzene-d4	11.86	152	105720	52.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.52%

Target Compounds

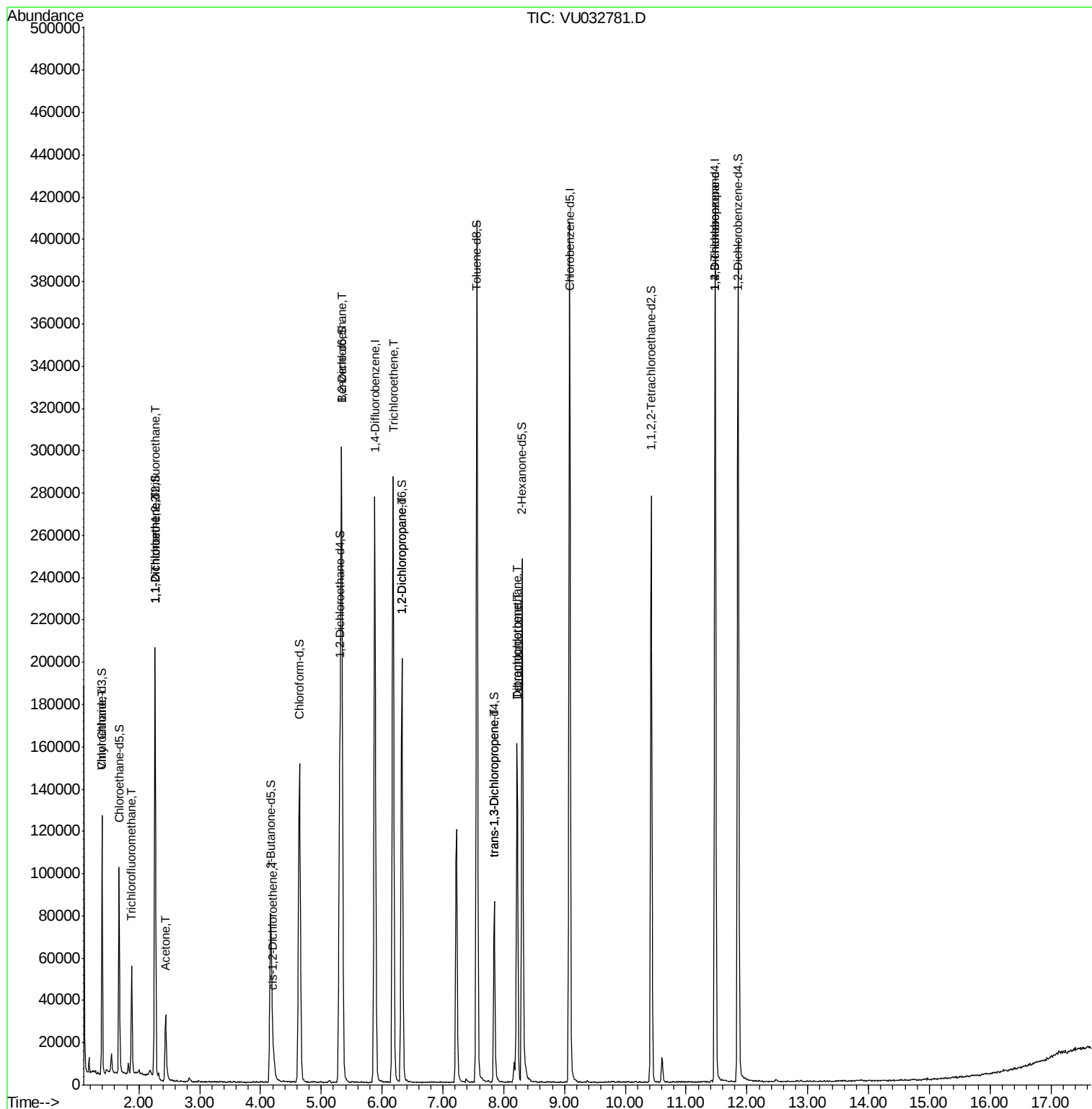
					Qvalue	
8) Chloroethane	1.40	64	1236	1.060	ug/L #	1
9) Trichlorofluoromethane	1.88	101	27816	9.792	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1001	0.672	ug/L #	17
12) 1,1-Dichloroethene	2.27	96	904	0.644	ug/L #	1
13) Acetone	2.44	43	8364	4.774	ug/L	52
20) cis-1,2-Dichloroethene	4.21	96	2869	1.730	ug/L	91
27) 1,2-Dichloroethane	5.33	62	2019	0.821	ug/L #	77
34) Trichloroethene	6.18	95	94574	57.343	ug/L	99
37) 1,2-Dichloropropane	6.32	63	10421	6.154	ug/L #	88
44) trans-1,3-Dichloropropene	7.84	75	2339	0.944	ug/L	85
46) Tetrachloroethene	8.22	164	35113	25.982	ug/L	97
49) Dibromochloromethane	8.22	129	32303	17.002	ug/L #	12
59) 1,2,3-Trichloropropane	11.48	75	13730	6.076	ug/L	94

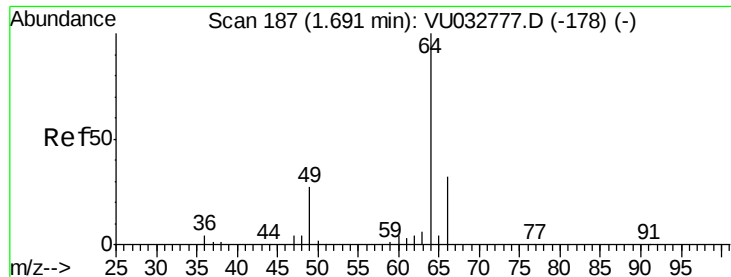
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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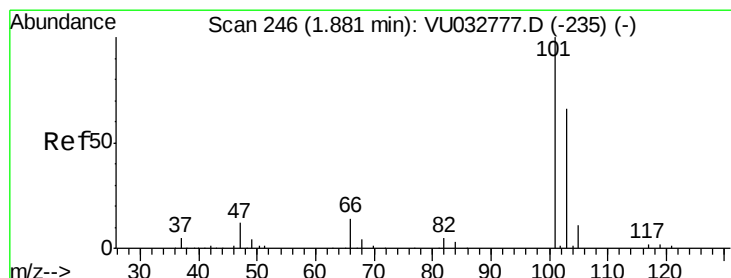
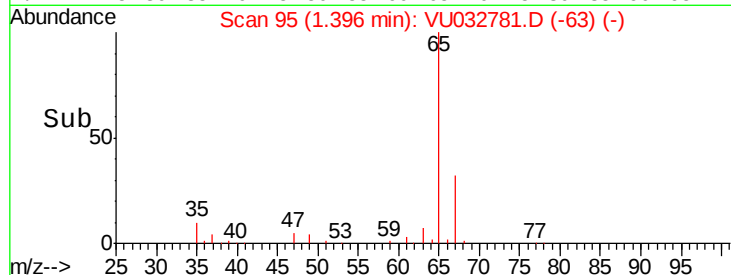
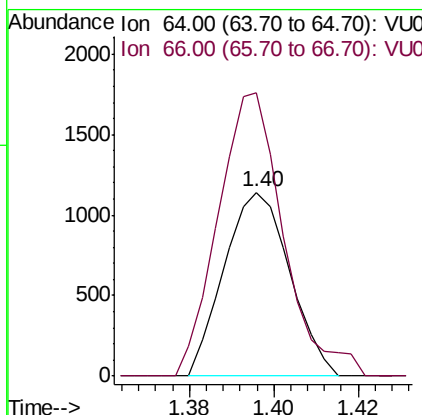
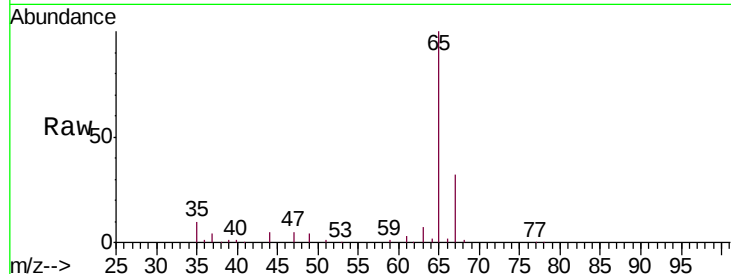




#8
Chloroethane
Concen: 1.060 ug/L
RT: 1.40 min Scan# 95
Delta R.T. -0.30 min
Lab File: VU032781.D
Acq: 17 Jun 2019 14:46

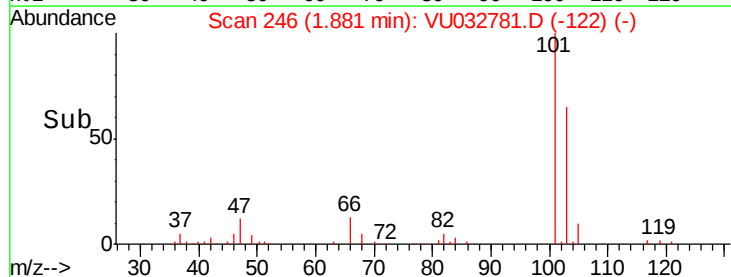
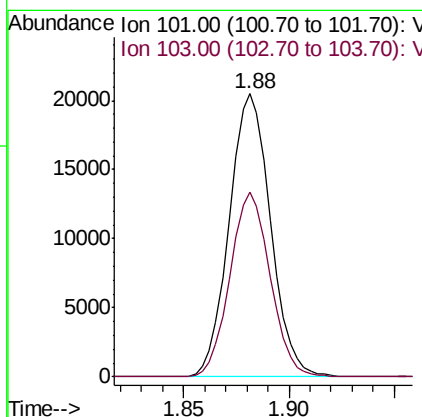
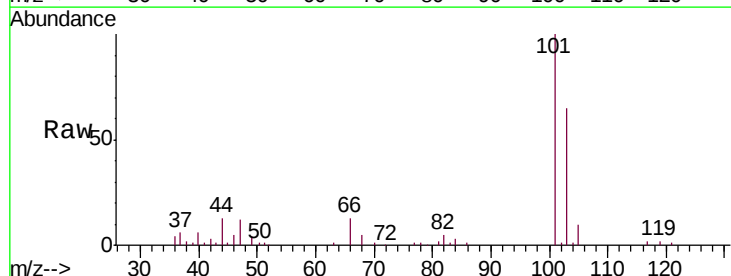
Instrument :
MSVOA_U
ClientSampleId :
C0XK6

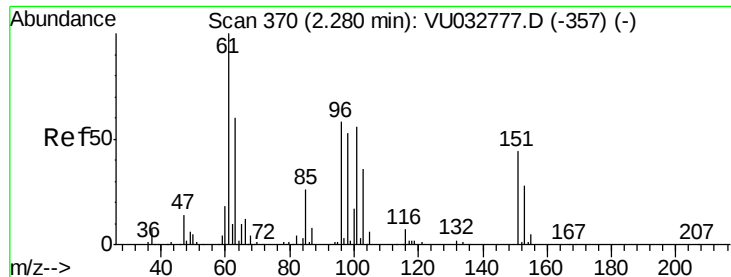
Tgt Ion: 64 Resp: 1236
Ion Ratio Lower Upper
64 100
66 153.8 22.5 41.7#



#9
Trichlorofluoromethane
Concen: 9.792 ug/L
RT: 1.88 min Scan# 246
Delta R.T. 0.00 min
Lab File: VU032781.D
Acq: 17 Jun 2019 14:46

Tgt Ion: 101 Resp: 27816
Ion Ratio Lower Upper
101 100
103 63.7 51.3 76.9





#10

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

Concen: 0.672 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU032781.D

Acq: 17 Jun 2019 14:46

Instrument :

MSVOA_U

ClientSampleId :

C0XK6

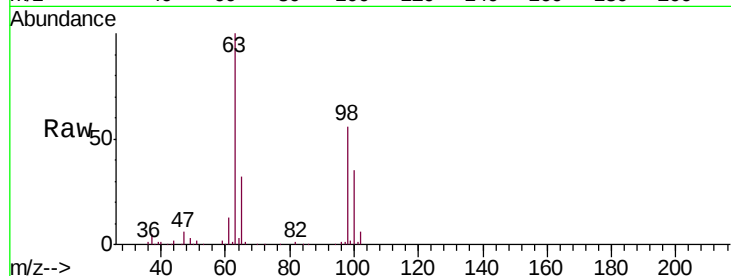
Tgt Ion: 101 Resp: 1001

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

151 0.0 63.6 95.4#



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

600

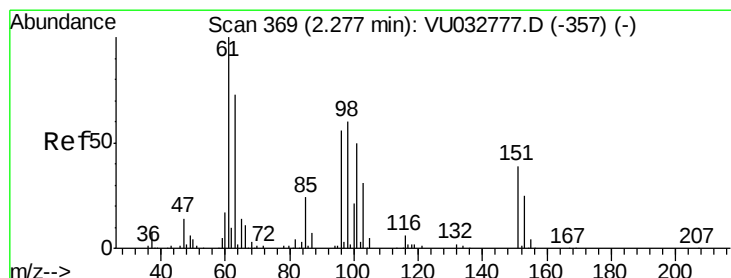
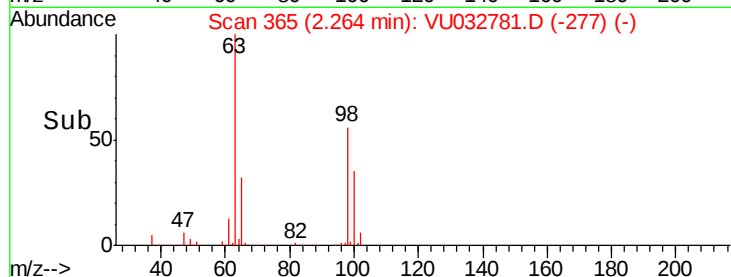
400

200

0

2.24 2.26 2.28 2.30

Time-->



#12

1,1-Dichloroethene

Concen: 0.644 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032781.D

Acq: 17 Jun 2019 14:46

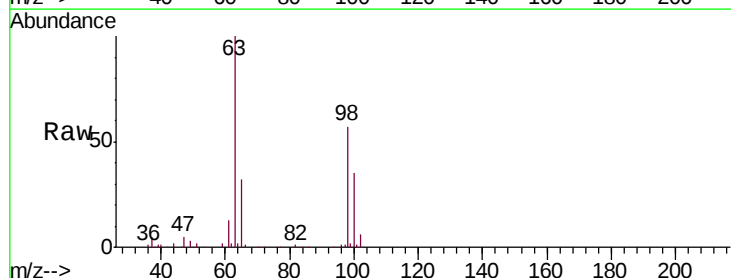
Tgt Ion: 96 Resp: 904

Ion Ratio Lower Upper

96 100

61 1573.8 131.0 243.4#

63 12276.7 101.0 187.6#



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

100000

80000

60000

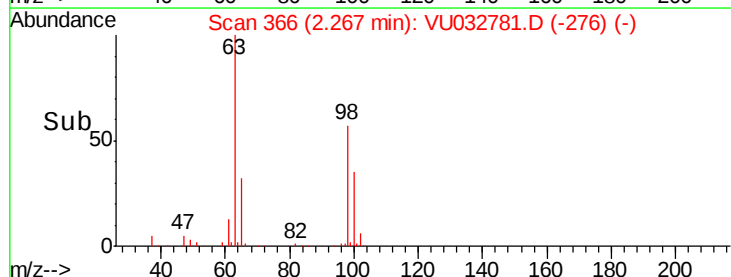
40000

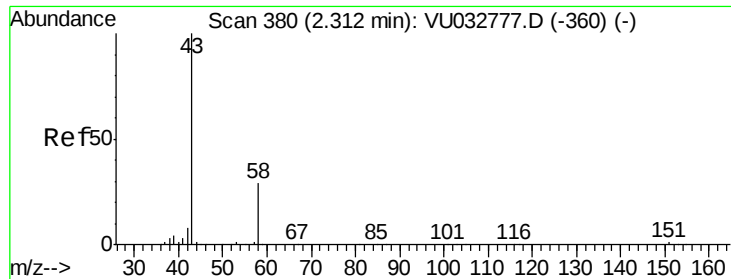
20000

0

2.24 2.26 2.28 2.30

Time-->





#13

Acetone

Concen: 4.774 ug/L

RT: 2.44 min Scan# 420

Delta R.T. 0.13 min

Lab File: VU032781.D

Acq: 17 Jun 2019 14:46

Instrument :

MSVOA_U

ClientSampleId :

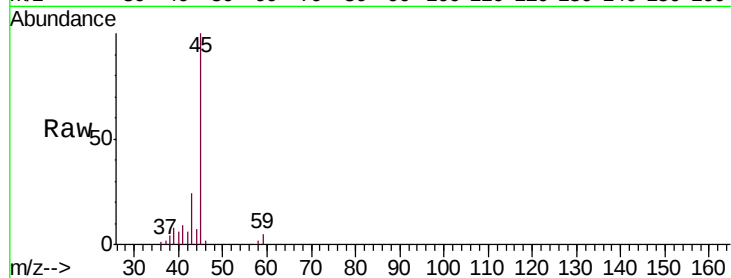
C0XK6

Tgt Ion: 43 Resp: 8364

Ion Ratio Lower Upper

43 100

58 4.3 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU032777.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU032777.D (-360) (-)

Time-->

2.40 2.45 2.50

2.44

4500

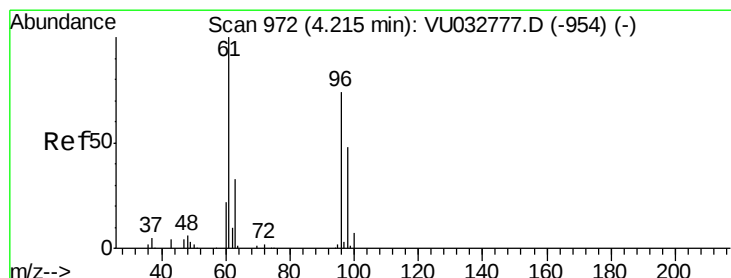
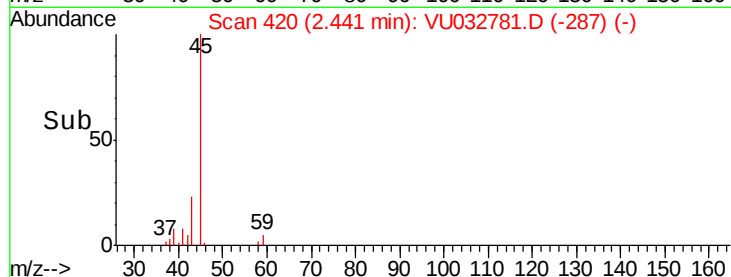
4000

3000

2000

1000

0



#20

cis-1,2-Dichloroethene

Concen: 1.730 ug/L

RT: 4.21 min Scan# 971

Delta R.T. -0.00 min

Lab File: VU032781.D

Acq: 17 Jun 2019 14:46

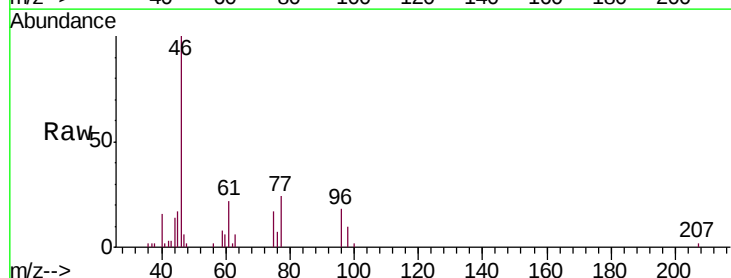
Tgt Ion: 96 Resp: 2869

Ion Ratio Lower Upper

96 100

61 121.6 92.4 171.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU032777.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU032777.D (-954) (-)

Ion 68.00 (67.70 to 68.70): VU032777.D (-954) (-)

Time-->

4.15 4.20 4.25 4.30

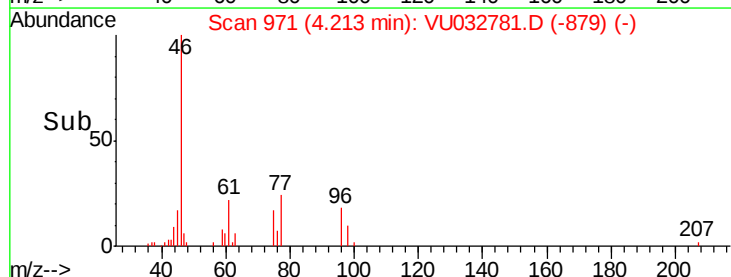
2000

1500

1000

500

0



Time-->

4.15 4.20 4.25 4.30

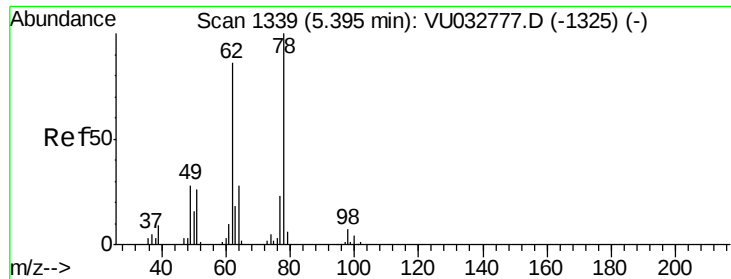
4.21

1500

1000

500

0



#27

1,2-Dichloroethane

Concen: 0.821 ug/L

RT: 5.33 min Scan# 1320

Delta R.T. -0.06 min

Lab File: VU032781.D

Acq: 17 Jun 2019 14:46

Instrument :

MSVOA_U

ClientSampleId :

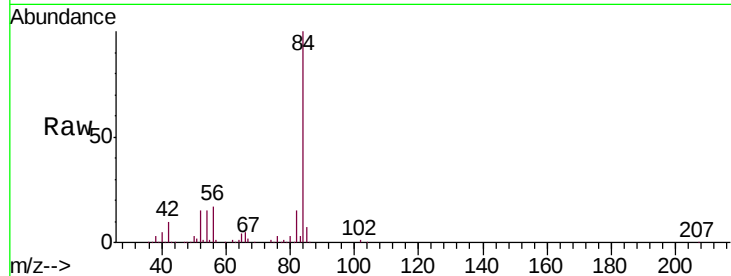
C0XK6

Tgt Ion: 62 Resp: 2019

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU032777.D (-1325) (-)

Ion 98.00 (97.70 to 98.70): VU032777.D (-1325) (-)

5.33

1000

800

600

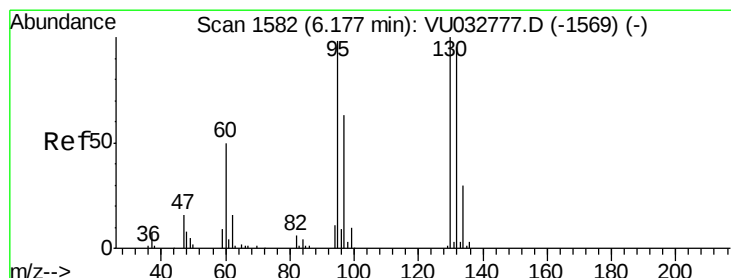
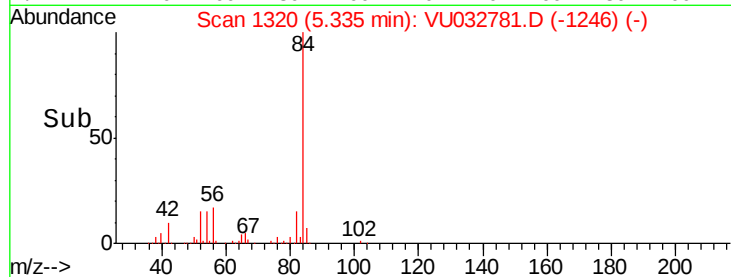
400

200

0

5.30 5.35

Time-->



#34

Trichloroethene

Concen: 57.343 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032781.D

Acq: 17 Jun 2019 14:46

Tgt Ion: 95 Resp: 94574

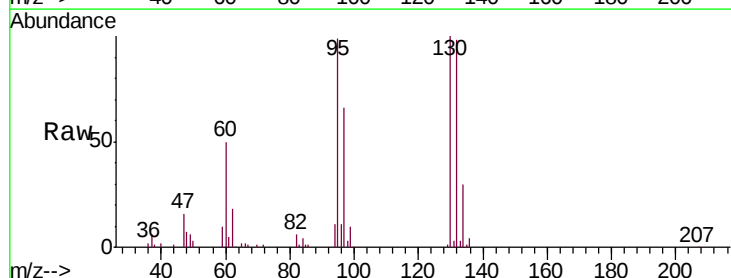
Ion Ratio Lower Upper

95 100

97 67.2 45.9 85.3

132 99.3 68.5 127.3

130 101.3 70.8 131.4



Abundance Ion 95.00 (94.70 to 95.70): VU032777.D (-1569) (-)

Ion 97.00 (96.70 to 97.70): VU032777.D (-1569) (-)

Ion 132.00 (131.70 to 132.70): VU032777.D (-1569) (-)

Ion 130.00 (129.70 to 130.70): VU032777.D (-1569) (-)

60000

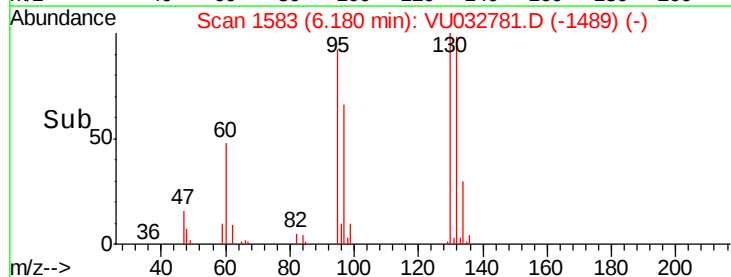
40000

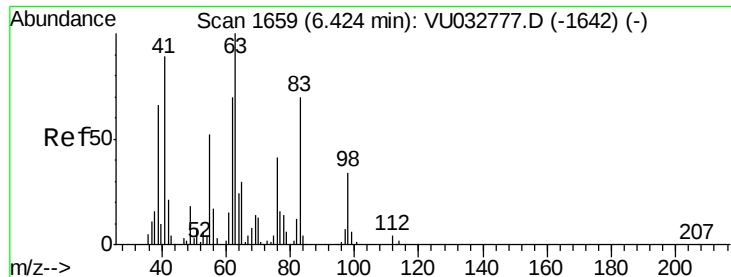
20000

0

6.10 6.15 6.20 6.25

Time-->

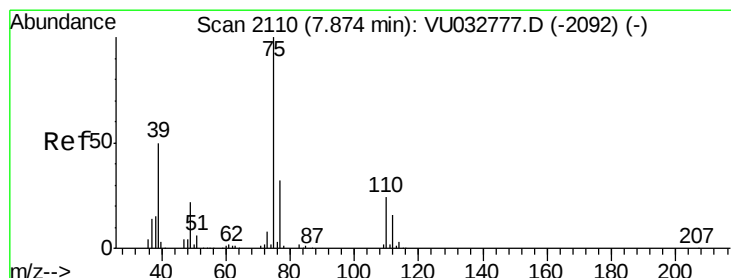
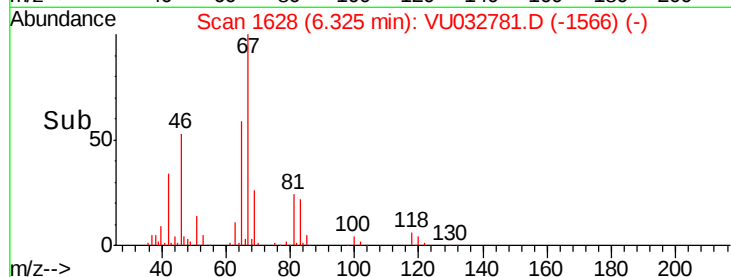
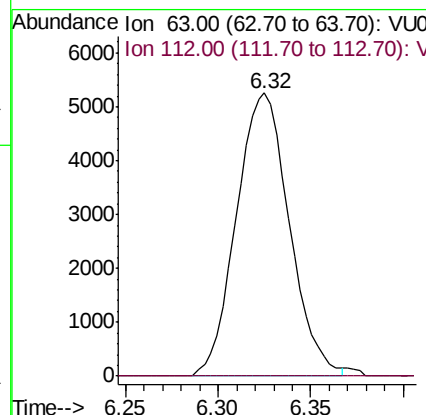
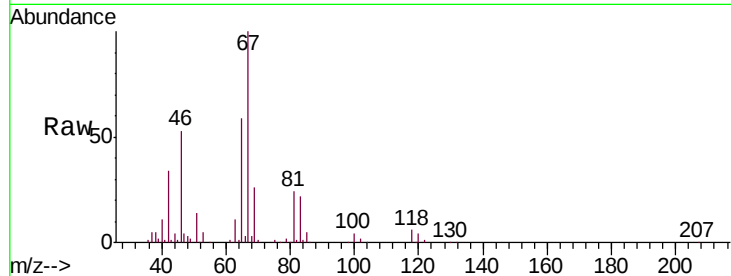




#37
 1,2-Dichloropropane
 Concen: 6.154 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU032781.D
 Acq: 17 Jun 2019 14:46

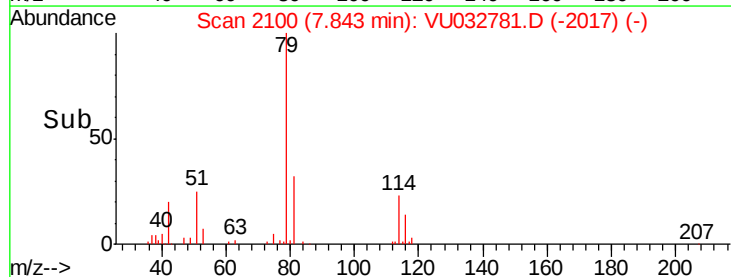
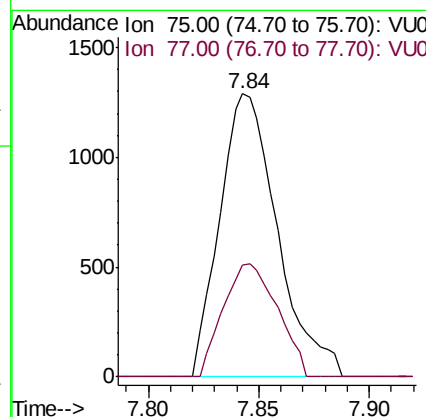
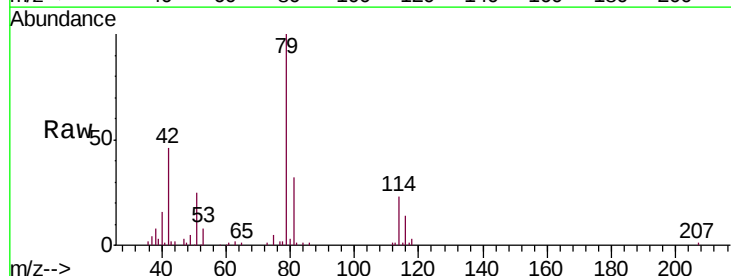
Instrument :
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 C0XK6

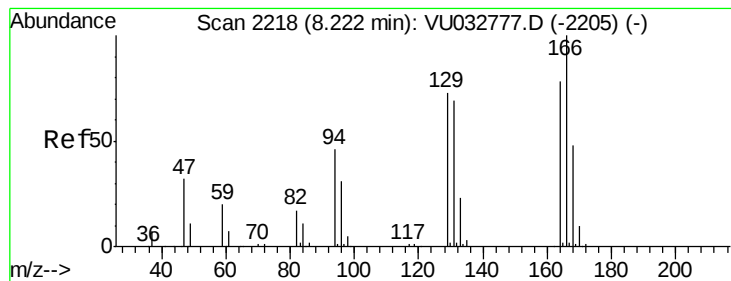
Tgt Ion: 63 Resp: 10421
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#44
 trans-1,3-Dichloropropene
 Concen: 0.944 ug/L
 RT: 7.84 min Scan# 2100
 Delta R.T. -0.03 min
 Lab File: VU032781.D
 Acq: 17 Jun 2019 14:46

Tgt Ion: 75 Resp: 2339
 Ion Ratio Lower Upper
 75 100
 77 39.5 21.8 40.4





#46

Tetrachloroethene

Concen: 25.982 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032781.D

Acq: 17 Jun 2019 14:46

Instrument :

MSVOA_U

ClientSampleId :

C0XK6

Tgt Ion:164 Resp: 35113

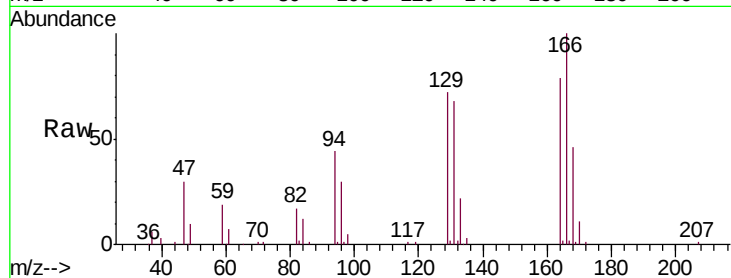
Ion Ratio Lower Upper

164 100

129 91.9 64.8 120.3

131 86.7 64.5 119.7

166 127.0 91.3 169.6



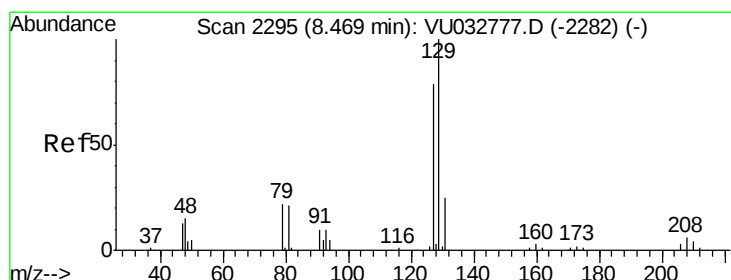
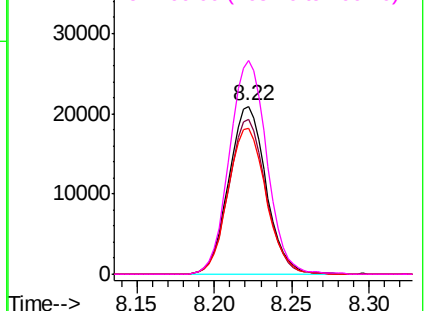
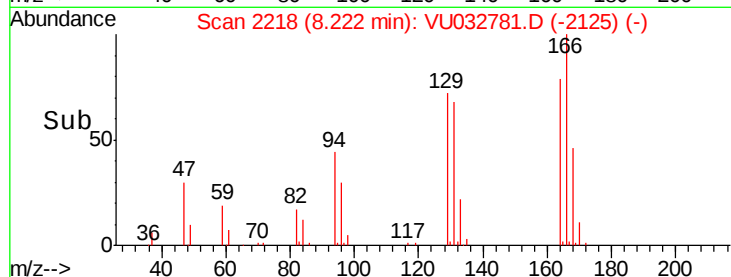
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

Dibromochloromethane

Concen: 17.002 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU032781.D

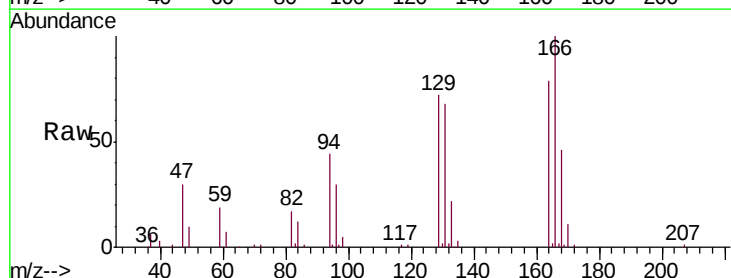
Acq: 17 Jun 2019 14:46

Tgt Ion:129 Resp: 32303

Ion Ratio Lower Upper

129 100

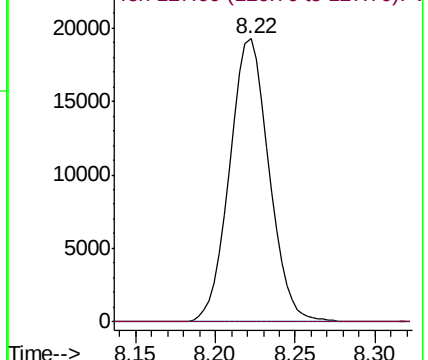
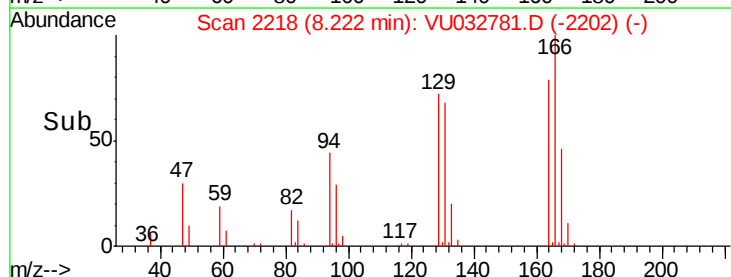
127 0.0 52.3 97.1#

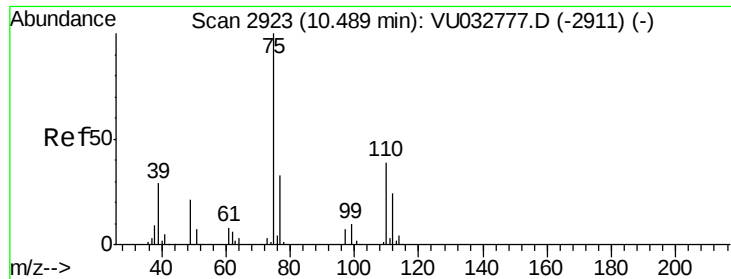


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 6.076 ug/L

RT: 11.48 min Scan# 3230

Delta R.T. 0.99 min

Lab File: VU032781.D

Acq: 17 Jun 2019 14:46

Instrument :

MSVOA_U

ClientSampleId :

C0XK6

Tgt Ion: 75 Resp: 13730

Ion Ratio Lower Upper

75 100

77 35.0 25.5 38.3

