

Data File : VU032785.D
Acq On : 17 Jun 2019 16:18
Operator : JC/SP
Sample : VLEB#03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VLEB03

Quant Time: Jun 18 02:43:28 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	229119	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	224231	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	111509	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	72359	46.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.42%
7) Chloroethane-d5	1.68	69	60723	48.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.24%
11) 1,1-Dichloroethene-d2	2.27	63	112467	35.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.30%
21) 2-Butanone-d5	4.17	46	138417	106.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.21%
24) Chloroform-d	4.64	84	141696	46.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.10%
26) 1,2-Dichloroethane-d4	5.30	65	98649	48.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.30%
32) Benzene-d6	5.33	84	282892	48.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.32	67	90896	48.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.62%
41) Toluene-d8	7.56	98	266494	48.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.36%
43) trans-1,3-Dichloropropene-	7.84	79	45066	46.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.06%
47) 2-Hexanone-d5	8.31	63	95786	110.17	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.17%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	135069	46.92	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.84%
64) 1,2-Dichlorobenzene-d4	11.85	152	106437	49.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.66%

Target Compounds

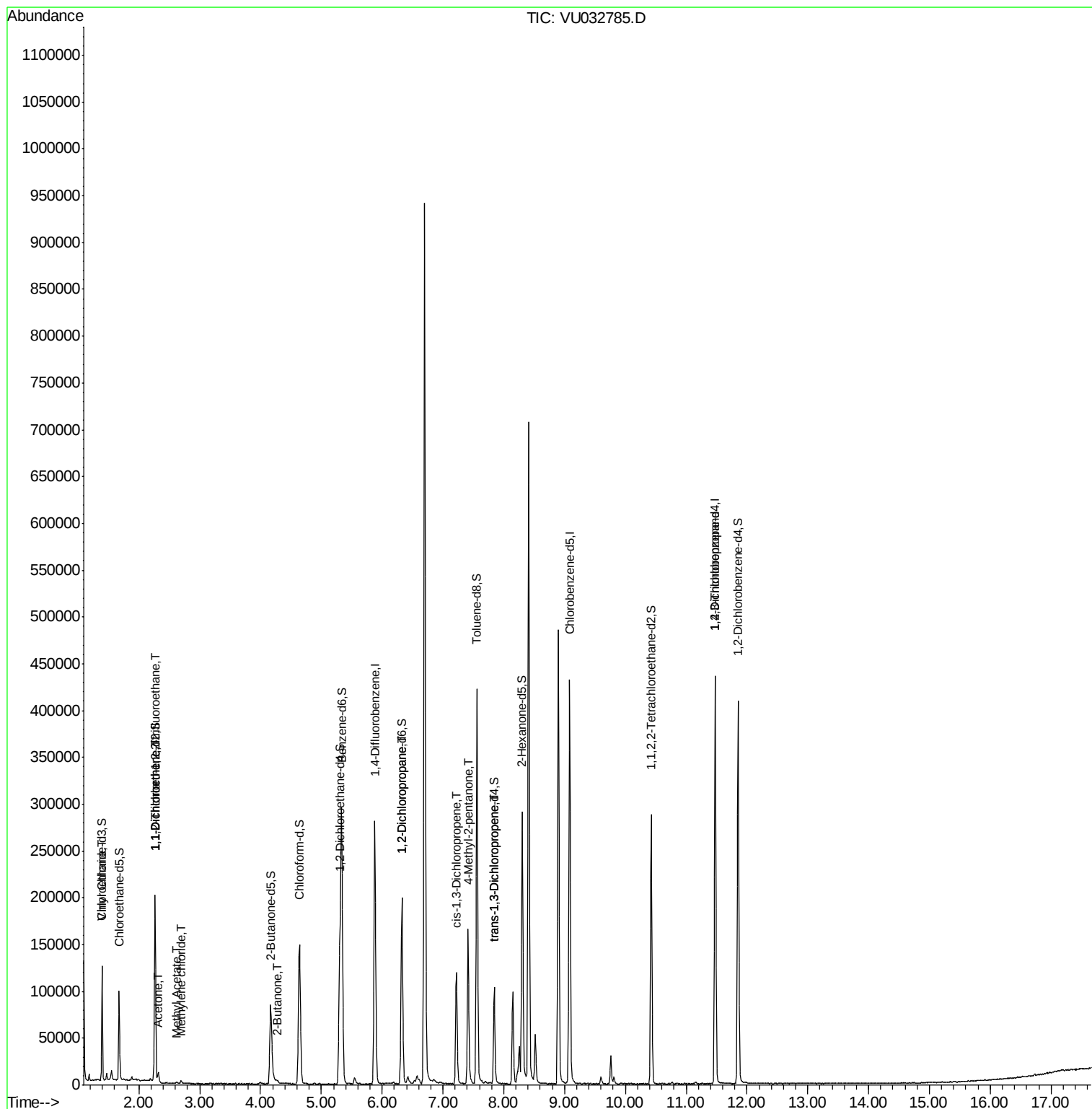
					Qvalue	
8) Chloroethane	1.40	64	1123	0.938	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	952	0.622	ug/L #	17
12) 1,1-Dichloroethene	2.26	96	922	0.639	ug/L #	1
13) Acetone	2.31	43	10520	5.844	ug/L	99
15) Methyl Acetate	2.62	43	1995	0.978	ug/L #	74
16) Methylene chloride	2.69	84	1354	0.800	ug/L	91
22) 2-Butanone	4.28	43	4152	2.225	ug/L	78
37) 1,2-Dichloropropane	6.32	63	10953	6.182	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	3434	1.244	ug/L #	70
40) 4-Methyl-2-pentanone	7.41	43	63563	22.469	ug/L #	53
44) trans-1,3-Dichloropropene	7.84	75	2360	0.910	ug/L	88
59) 1,2,3-Trichloropropane	11.48	75	14516	6.139	ug/L	96

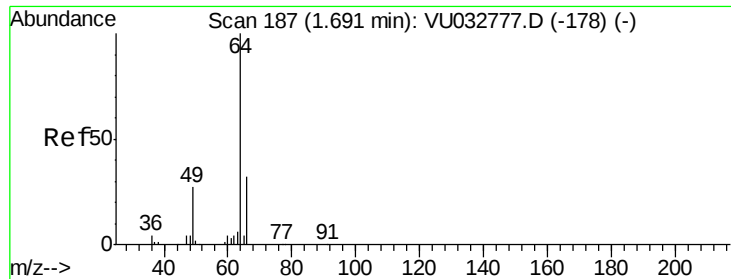
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.938 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.30 min

Lab File: VU032785.D

Acq: 17 Jun 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

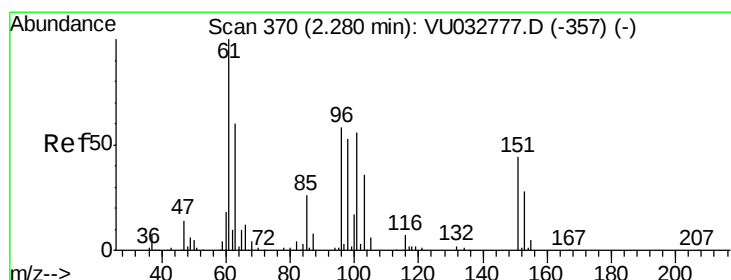
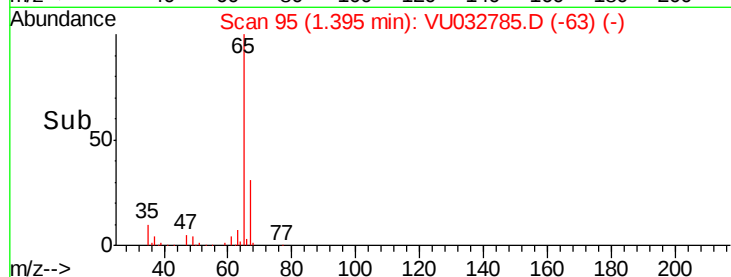
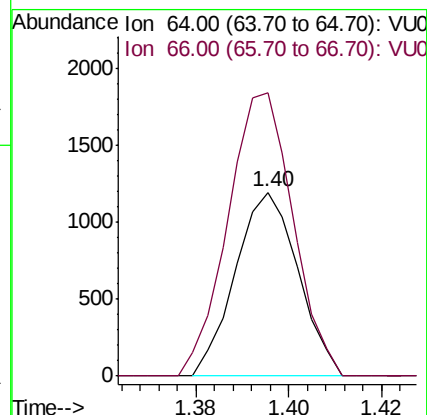
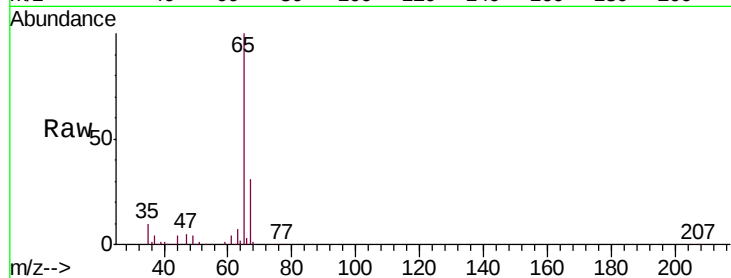
VLEB03

Tgt Ion: 64 Resp: 1123

Ion Ratio Lower Upper

64 100

66 154.2 22.5 41.7#



#10

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

Concen: 0.622 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032785.D

Acq: 17 Jun 2019 16:18

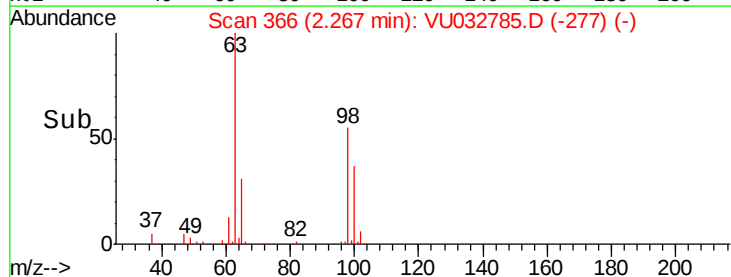
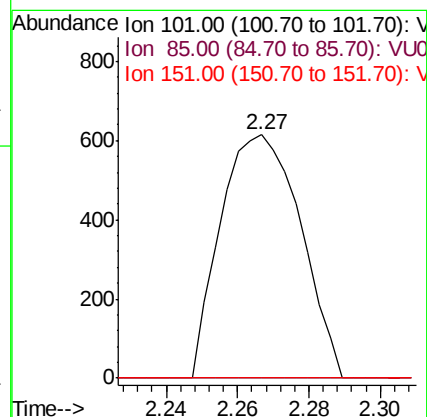
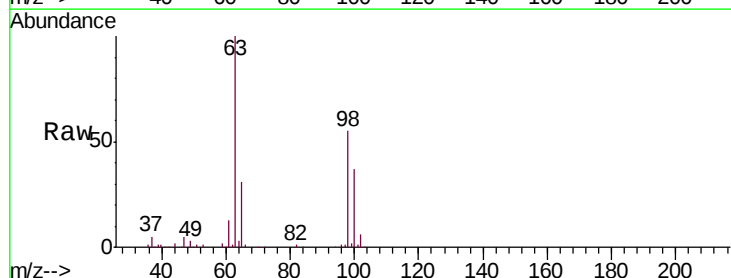
Tgt Ion: 101 Resp: 952

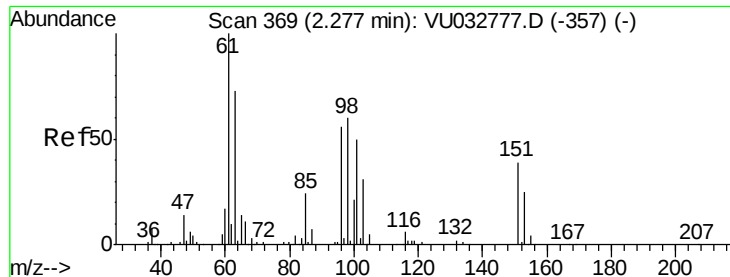
Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

151 0.0 63.6 95.4#





#12

1,1-Dichloroethene

Concen: 0.639 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: VU032785.D

Acq: 17 Jun 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

VLEB03

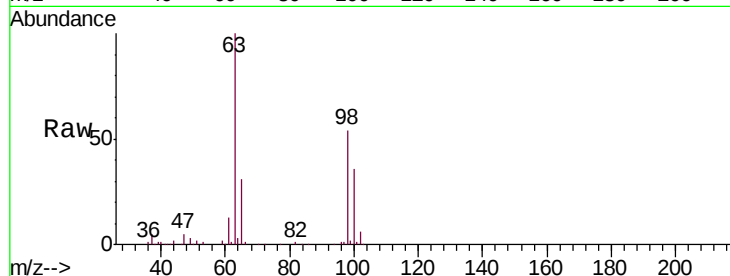
Tgt Ion: 96 Resp: 922

Ion Ratio Lower Upper

96 100

61 1553.9 131.0 243.4#

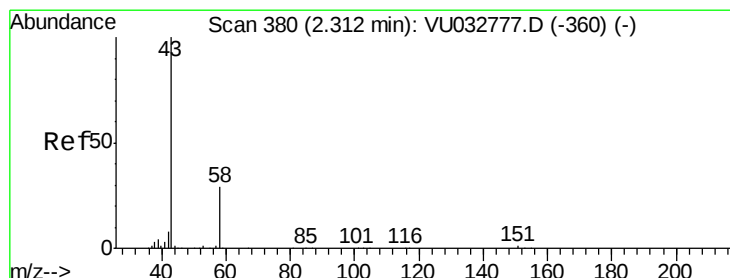
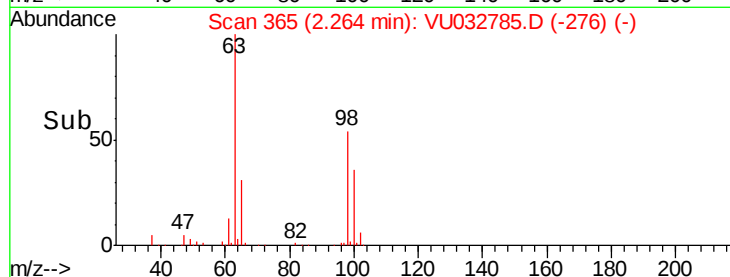
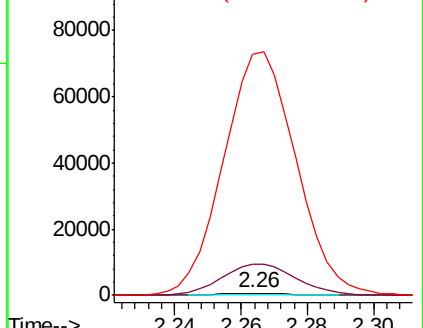
63 12206.4 101.0 187.6#



Abundance Ion 96.00 (95.70 to 96.70): VU032777.D (-357) (-)

Ion 61.00 (60.70 to 61.70): VU032777.D (-357) (-)

Ion 63.00 (62.70 to 63.70): VU032777.D (-357) (-)



#13

Acetone

Concen: 5.844 ug/L

RT: 2.31 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU032785.D

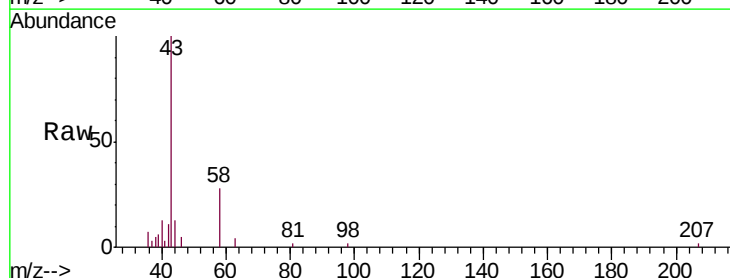
Acq: 17 Jun 2019 16:18

Tgt Ion: 43 Resp: 10520

Ion Ratio Lower Upper

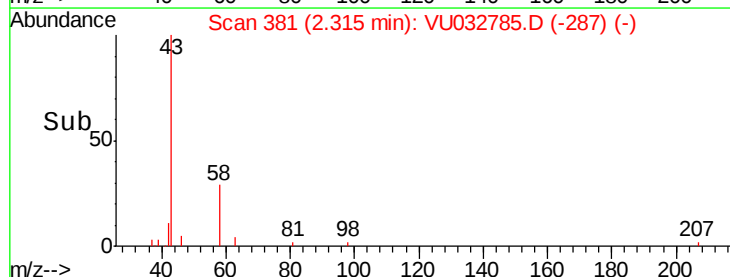
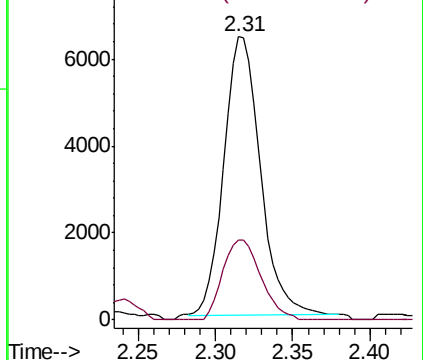
43 100

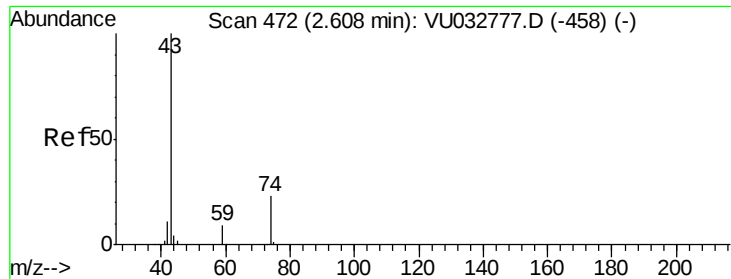
58 30.0 0.0 60.6



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

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





#15

Methyl Acetate

Concen: 0.978 ug/L

RT: 2.62 min Scan# 476

Delta R.T. 0.01 min

Lab File: VU032785.D

Acq: 17 Jun 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

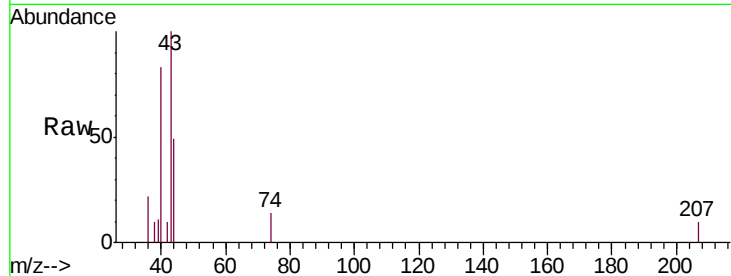
VLEB03

Tgt Ion: 43 Resp: 1995

Ion Ratio Lower Upper

43 100

74 9.9 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VU032777.D (-458) (-)

Ion 74.00 (73.70 to 74.70): VU032777.D (-458) (-)

2.62

1200

1000

800

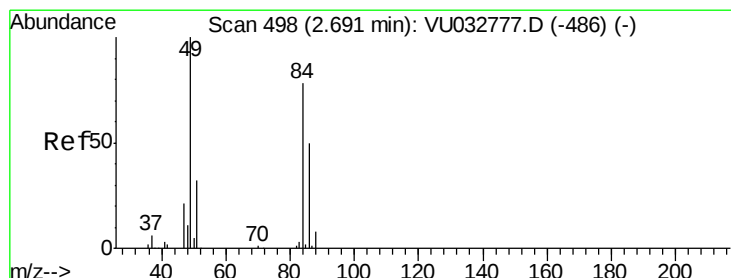
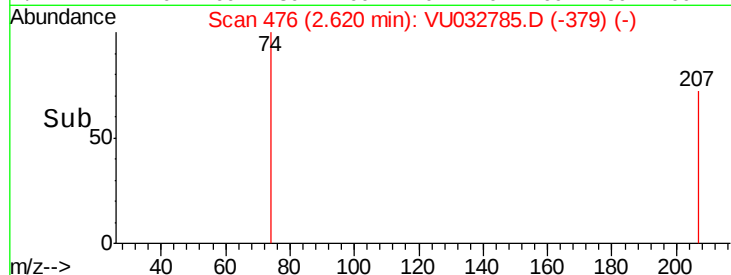
600

400

200

0

Time-->



#16

Methylene chloride

Concen: 0.800 ug/L

RT: 2.69 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU032785.D

Acq: 17 Jun 2019 16:18

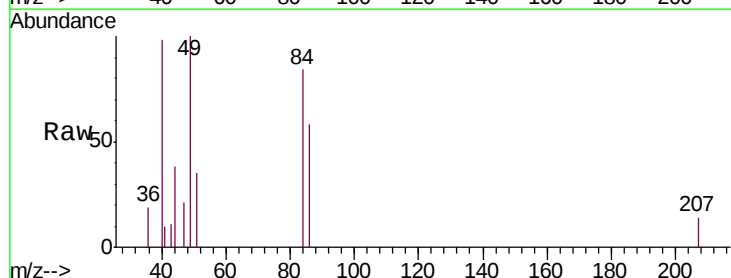
Tgt Ion: 84 Resp: 1354

Ion Ratio Lower Upper

84 100

86 68.7 45.5 84.5

49 118.6 92.1 171.1



Abundance Ion 84.00 (83.70 to 84.70): VU032777.D (-486) (-)

Ion 86.00 (85.70 to 86.70): VU032777.D (-486) (-)

Ion 49.00 (48.70 to 49.70): VU032777.D (-486) (-)

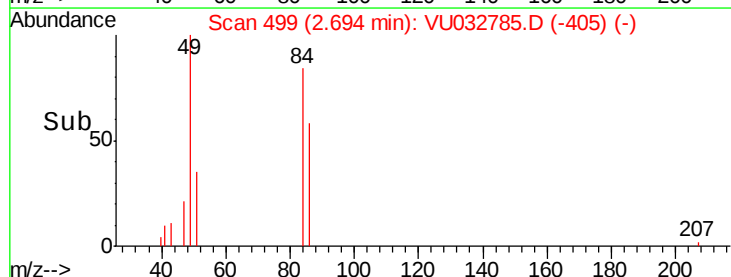
2.69

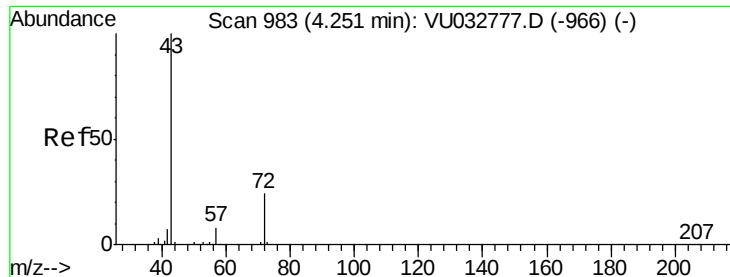
1000

500

0

Time-->





#22

2-Butanone

Concen: 2.225 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.03 min

Lab File: VU032785.D

Acq: 17 Jun 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

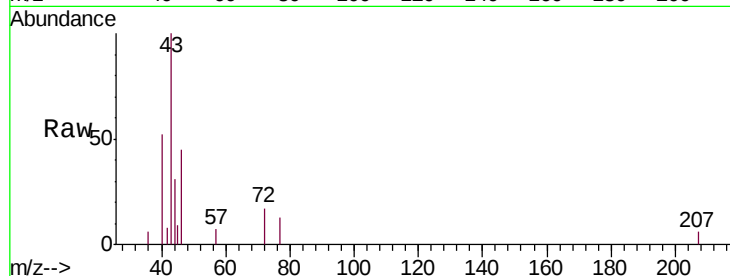
VLEB03

Tgt Ion: 43 Resp: 4152

Ion Ratio Lower Upper

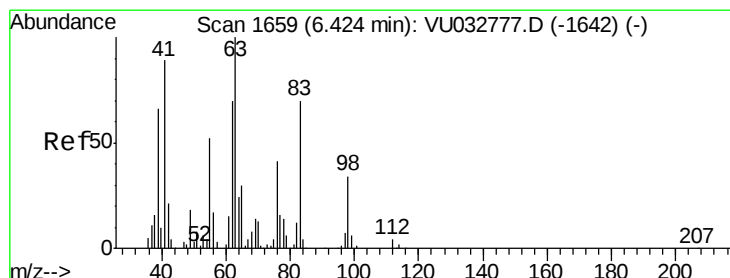
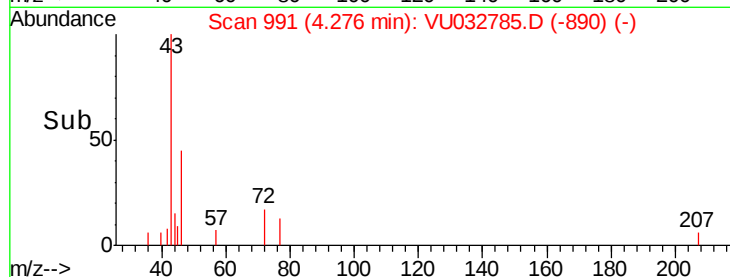
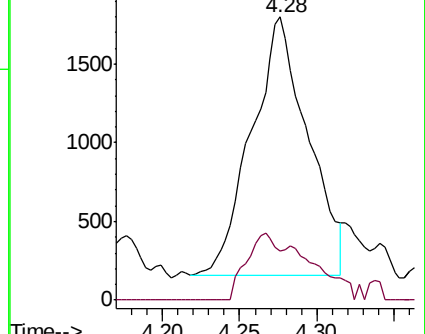
43 100

72 14.4 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU032777.D (-966) (-)

Ion 72.00 (71.70 to 72.70): VU032777.D (-966) (-)



#37

1,2-Dichloropropane

Concen: 6.182 ug/L

RT: 6.32 min Scan# 1627

Delta R.T. -0.10 min

Lab File: VU032785.D

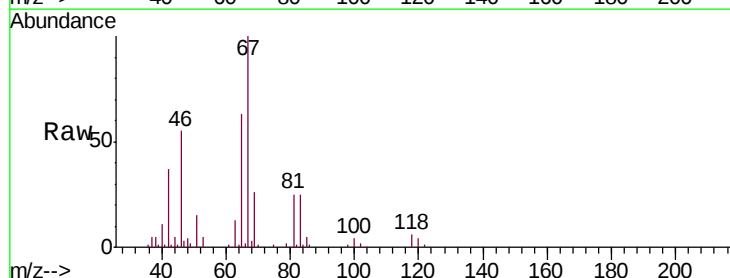
Acq: 17 Jun 2019 16:18

Tgt Ion: 63 Resp: 10953

Ion Ratio Lower Upper

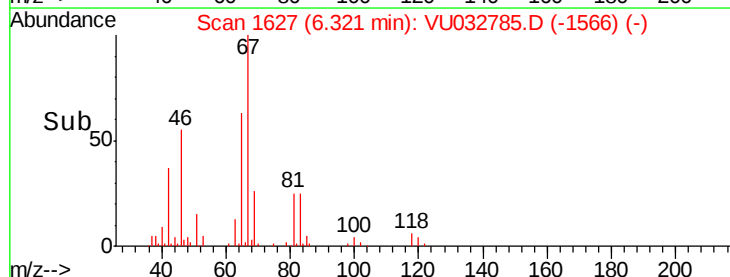
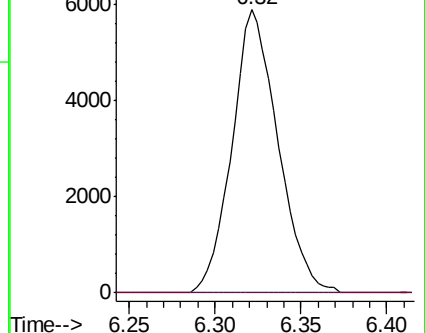
63 100

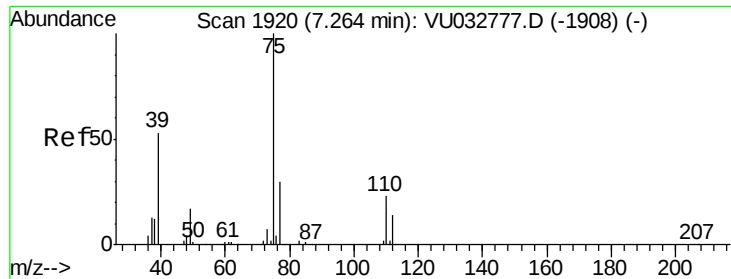
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU032777.D (-1642) (-)

Ion 112.00 (111.70 to 112.70): VU032777.D (-1642) (-)

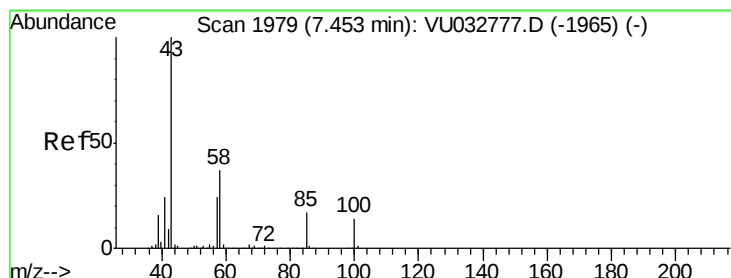
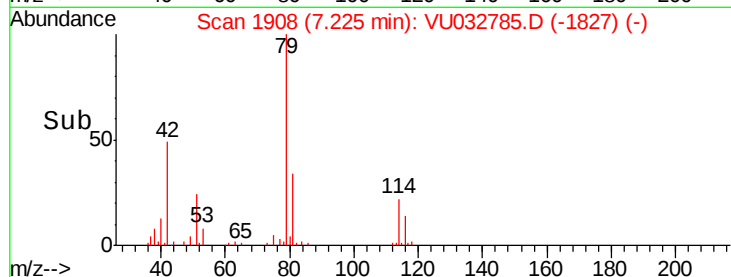
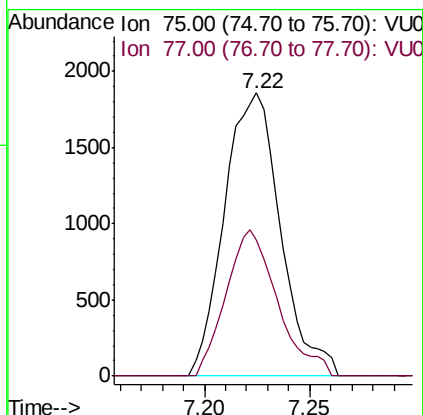
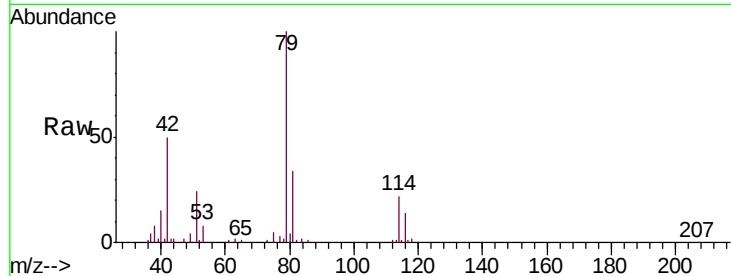




#39
 cis-1,3-Dichloropropene
 Concen: 1.244 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU032785.D
 Acq: 17 Jun 2019 16:18

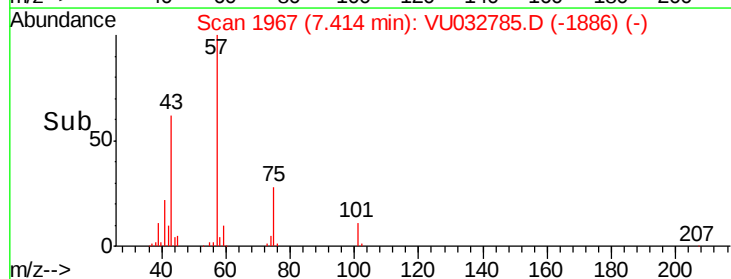
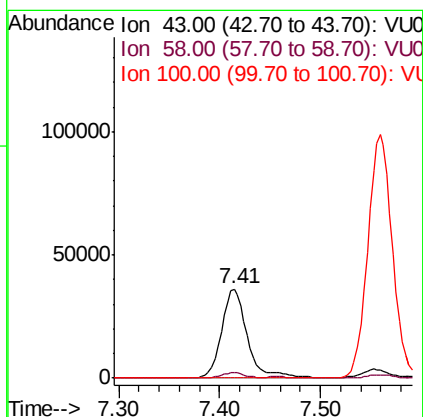
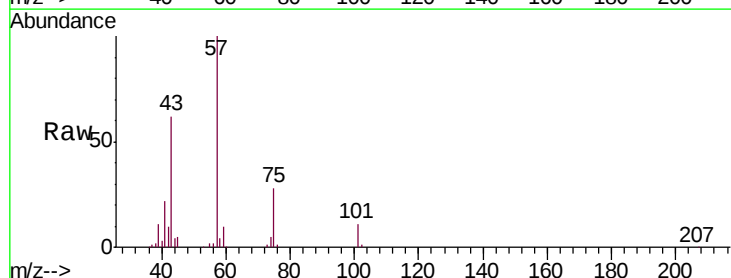
Instrument :
 MSVOA_U
 ClientSampled :
 VLEB03

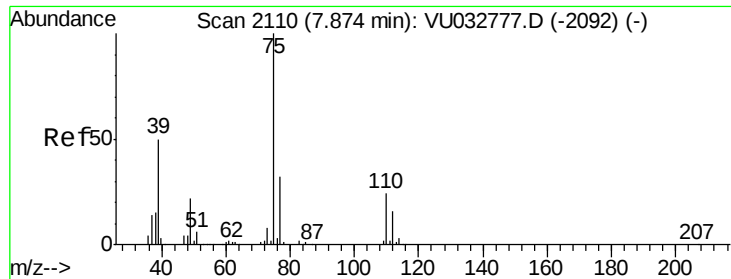
Tgt Ion: 75 Resp: 3434
 Ion Ratio Lower Upper
 75 100
 77 48.0 21.9 40.7#



#40
 4-Methyl-2-pentanone
 Concen: 22.469 ug/L
 RT: 7.41 min Scan# 1967
 Delta R.T. -0.04 min
 Lab File: VU032785.D
 Acq: 17 Jun 2019 16:18

Tgt Ion: 43 Resp: 63563
 Ion Ratio Lower Upper
 43 100
 58 5.7 29.4 44.2#
 100 0.0 11.2 16.8#





#44

trans-1,3-Dichloropropene

Concen: 0.910 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.03 min

Lab File: VU032785.D

Acq: 17 Jun 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

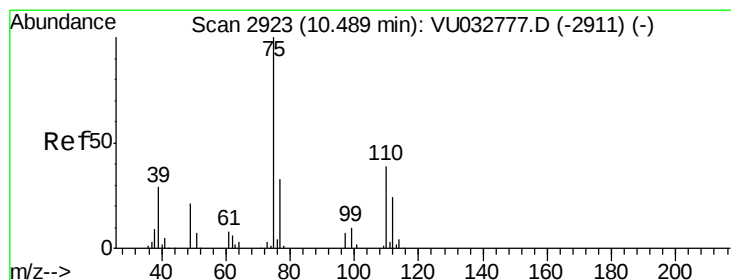
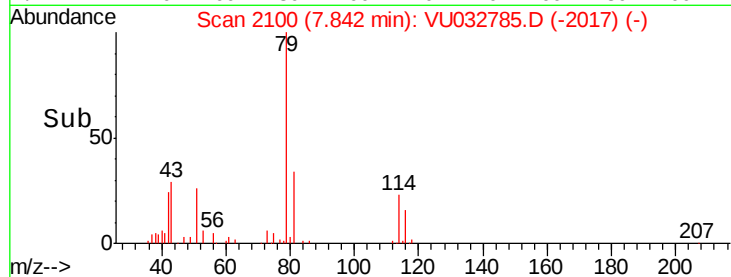
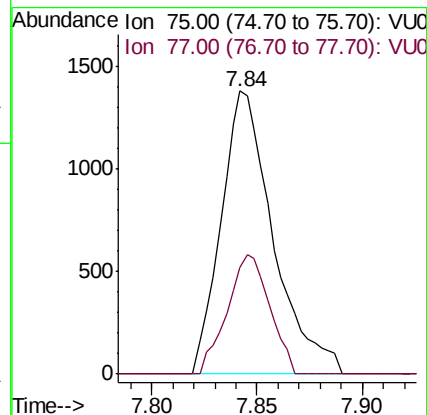
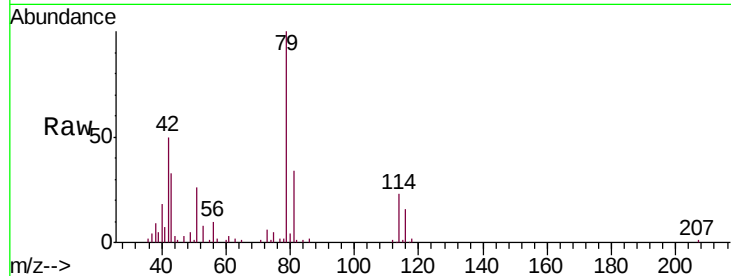
VLEB03

Tgt Ion: 75 Resp: 2360

Ion Ratio Lower Upper

75 100

77 37.6 21.8 40.4



#59

1,2,3-Trichloropropane

Concen: 6.139 ug/L

RT: 11.48 min Scan# 3230

Delta R.T. 0.99 min

Lab File: VU032785.D

Acq: 17 Jun 2019 16:18

Tgt Ion: 75 Resp: 14516

Ion Ratio Lower Upper

75 100

77 33.9 25.5 38.3

