

Data File : VU026495.D
Acq On : 31 Aug 2018 13:28
Operator : MD/SY
Sample : J4691-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BEE16

Quant Time: Sep 01 01:03:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 01 01:02:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	157673	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	148660	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	64252	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	43672	44.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.40%
7) Chloroethane-d5	1.68	69	40969	46.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.86%
11) 1,1-Dichloroethene-d2	2.27	63	62571	28.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.88%#
21) 2-Butanone-d5	4.18	46	74179	97.83	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.83%
24) Chloroform-d	4.65	84	85700	46.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.90%
26) 1,2-Dichloroethane-d4	5.31	65	60160	48.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.94%
32) Benzene-d6	5.34	84	172909	50.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.92%
36) 1,2-Dichloropropane-d6	6.33	67	59748	50.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.52%
41) Toluene-d8	7.57	98	159540	48.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.46%
43) trans-1,3-Dichloropropene-	7.85	79	23572	43.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.70%
47) 2-Hexanone-d5	8.31	63	53407	98.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.93%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	79777	46.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	63347	54.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.68%

Target Compounds

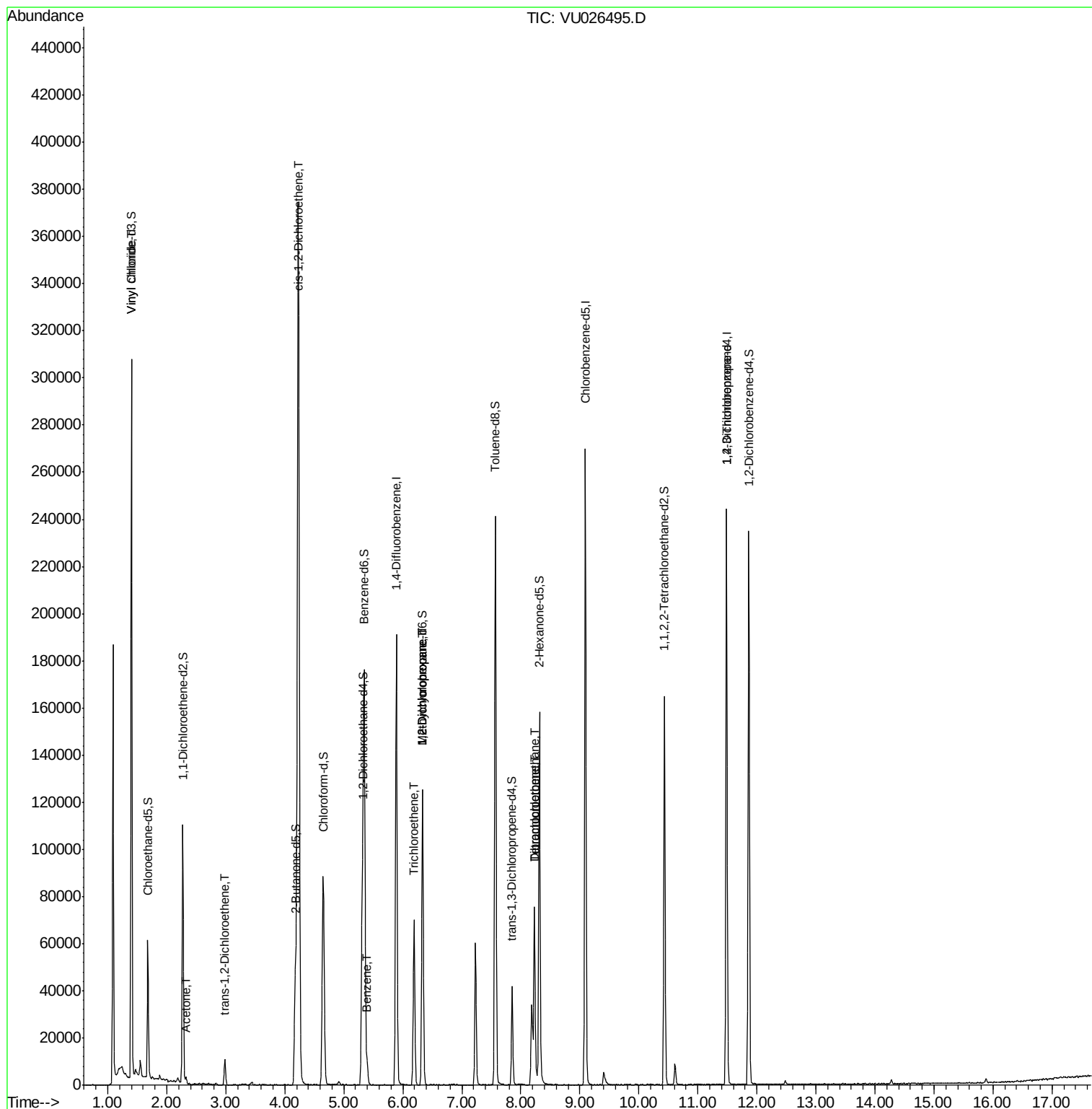
						Qvalue
5) Vinyl chloride	1.40	62	153872	93.498	ug/L	99
13) Acetone	2.32	43	2770	4.219	ug/L	96
17) trans-1,2-Dichloroethene	2.99	96	4704	4.621	ug/L	87
20) cis-1,2-Dichloroethene	4.23	96	206820	181.357	ug/L	100
33) Benzene	5.40	78	9640	2.262	ug/L	100
34) Trichloroethene	6.19	95	23584	22.061	ug/L	99
35) Methylcyclohexane	6.33	83	13377	8.014	ug/L #	18
37) 1,2-Dichloropropane	6.33	63	6397	5.422	ug/L #	88
46) Tetrachloroethene	8.23	164	16087	18.406	ug/L	97
49) Dibromochloromethane	8.23	129	14794	12.147	ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	7379	5.012	ug/L #	81

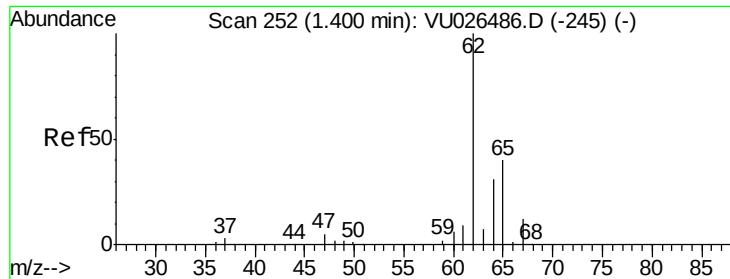
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Sep 01 01:02:22 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 93.498 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

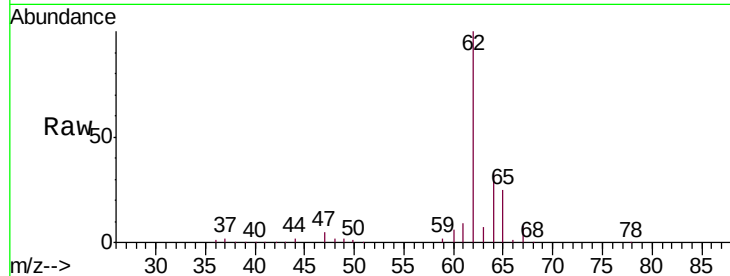
BEE16

Tgt Ion: 62 Resp: 153872

Ion Ratio Lower Upper

62 100

64 32.5 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

150000

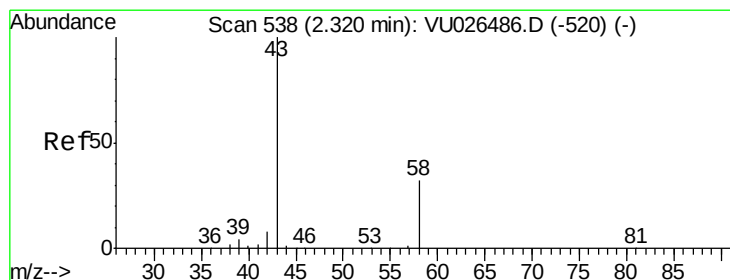
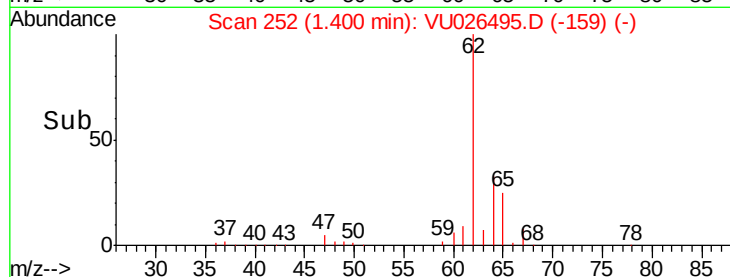
100000

50000

0

1.35 1.40 1.45

Time-->



#13

Acetone

Concen: 4.219 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026495.D

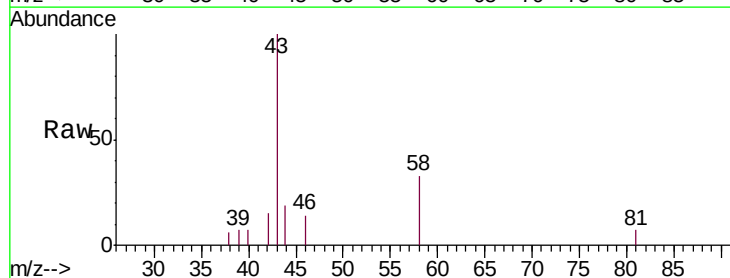
Acq: 31 Aug 2018 13:28

Tgt Ion: 43 Resp: 2770

Ion Ratio Lower Upper

43 100

58 28.3 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2000

1500

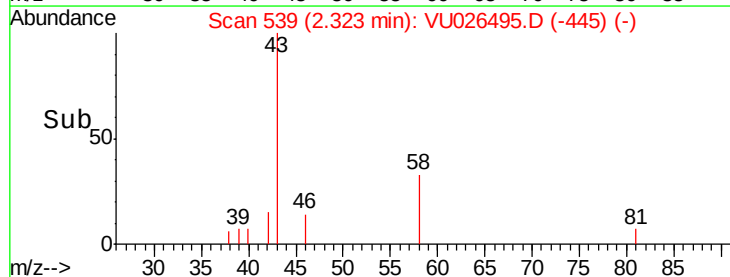
1000

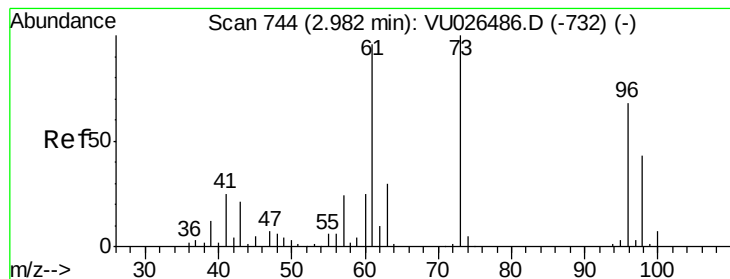
500

0

2.30 2.32 2.35

Time-->





#17

trans-1,2-Dichloroethene

Concen: 4.621 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU026495.D

Acq: 31 Aug 2018 13:28

Instrument :

MSVOA_U

ClientSampleId :

BEE16

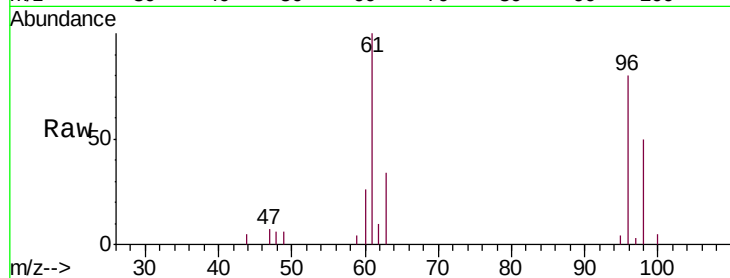
Tgt Ion: 96 Resp: 4704

Ion Ratio Lower Upper

96 100

61 125.7 103.2 191.6

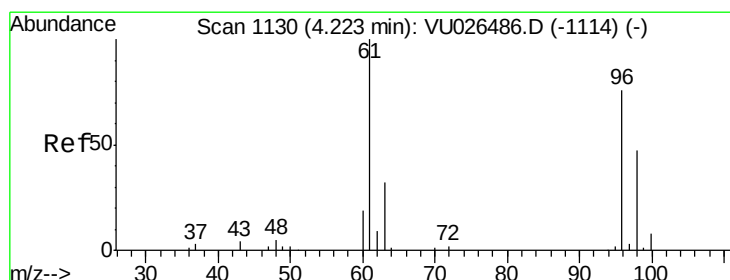
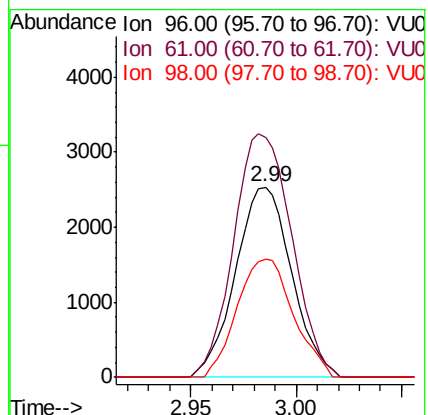
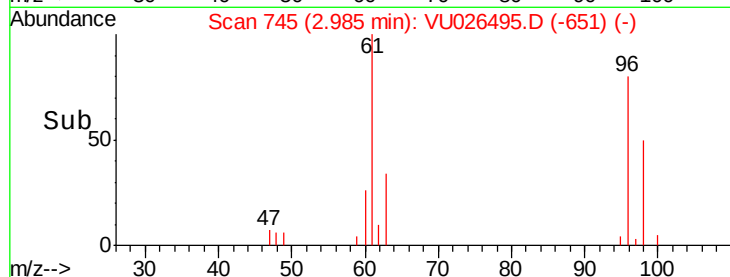
98 62.4 44.9 83.3



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 181.357 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU026495.D

Acq: 31 Aug 2018 13:28

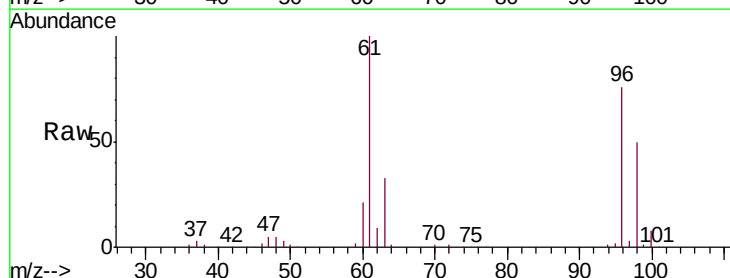
Tgt Ion: 96 Resp: 206820

Ion Ratio Lower Upper

96 100

61 131.4 91.6 170.2

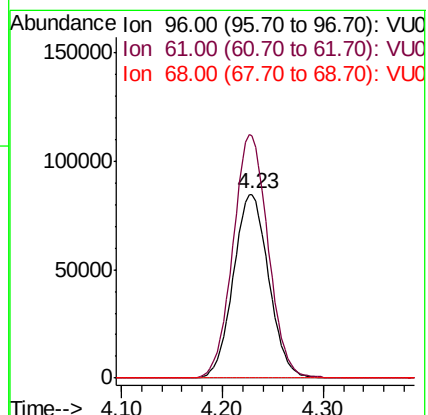
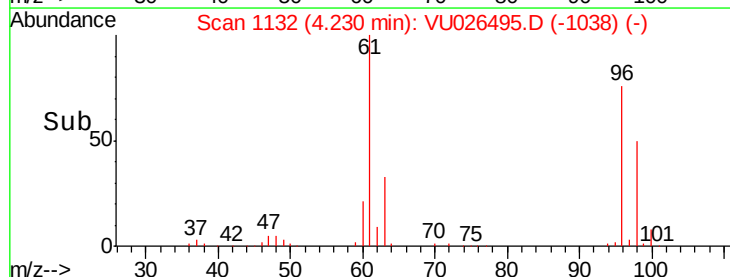
68 0.0 0.0 0.0

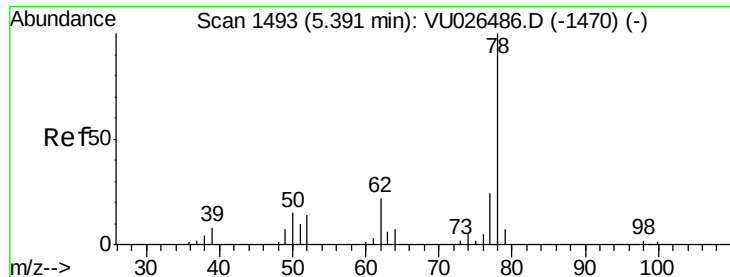


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#33

Benzene

Concen: 2.262 ug/L

RT: 5.40 min Scan# 1495

Delta R.T. 0.01 min

Lab File: VU026495.D

Acq: 31 Aug 2018 13:28

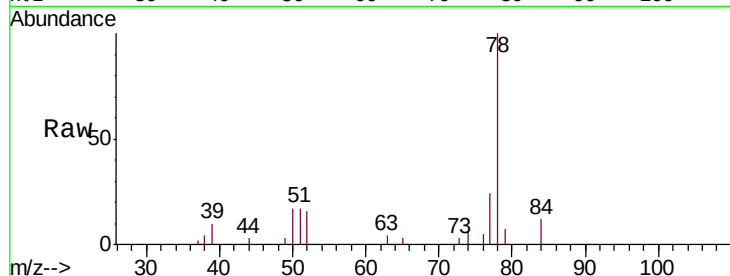
Instrument :

MSVOA_U

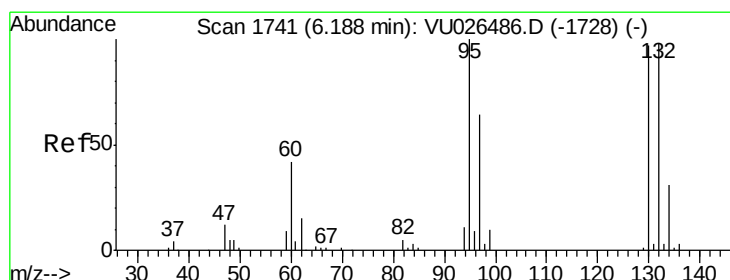
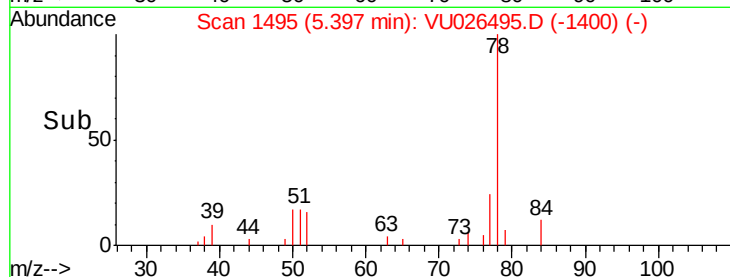
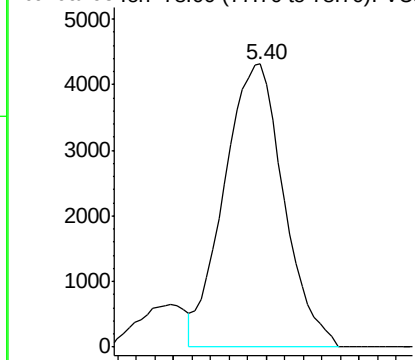
ClientSampleId :

BEE16

Tgt Ion: 78 Resp: 9640



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 22.061 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU026495.D

Acq: 31 Aug 2018 13:28

Tgt Ion: 95 Resp: 23584

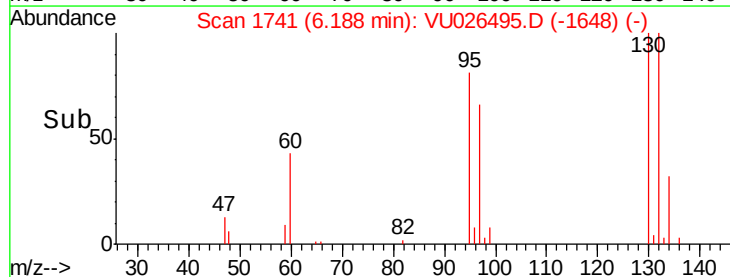
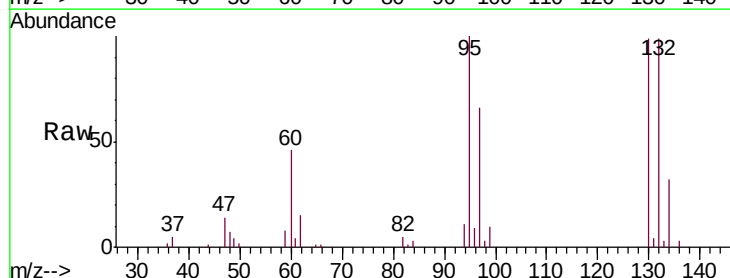
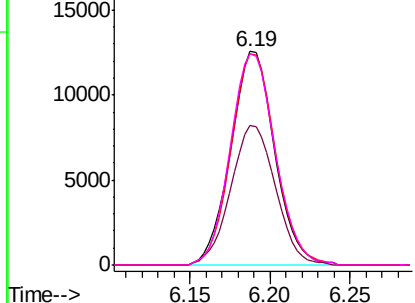
Ion	Ratio	Lower	Upper
95	100		
97	65.5	45.1	83.7
132	98.9	67.5	125.3
130	99.1	69.3	128.7

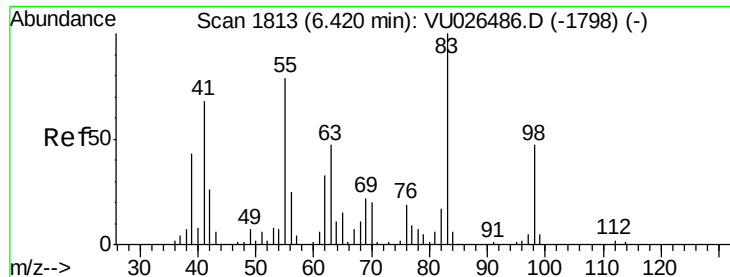
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

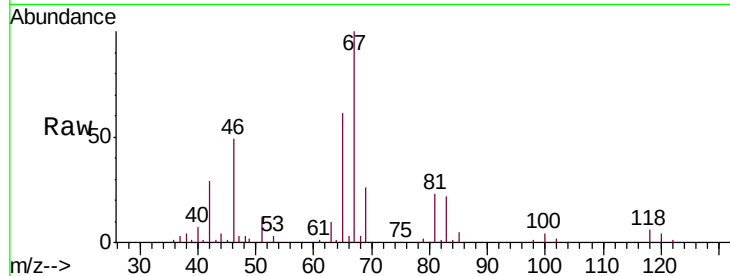




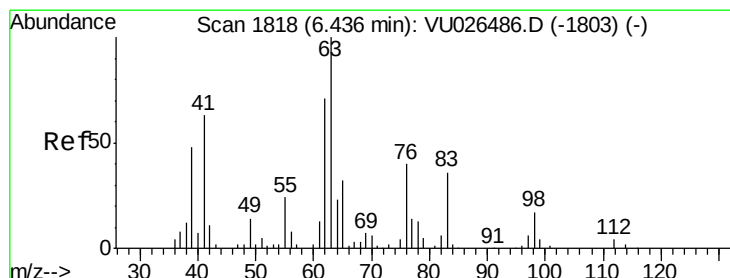
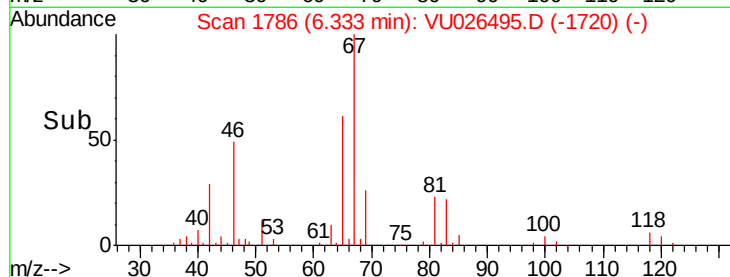
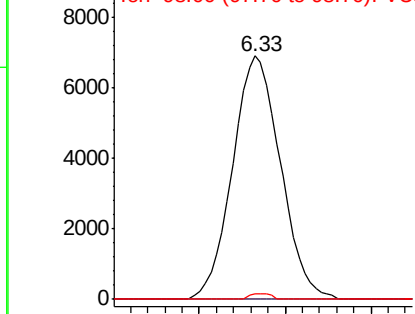
#35
Methylcyclohexane
Concen: 8.014 ug/L
RT: 6.33 min Scan# 1786
Delta R.T. -0.09 min
Lab File: VU026495.D
Acq: 31 Aug 2018 13:28

Instrument :
MSVOA_U
ClientSampleId :
BEE16

Tgt Ion: 83 Resp: 13377
Ion Ratio Lower Upper
83 100
55 0.0 63.3 94.9#
98 1.1 36.7 55.1#

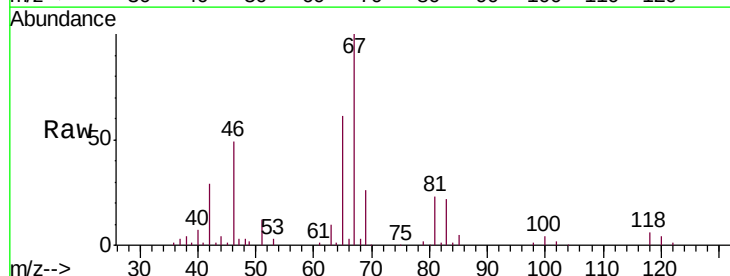


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

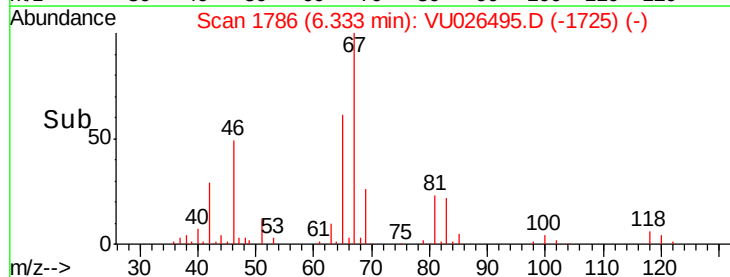
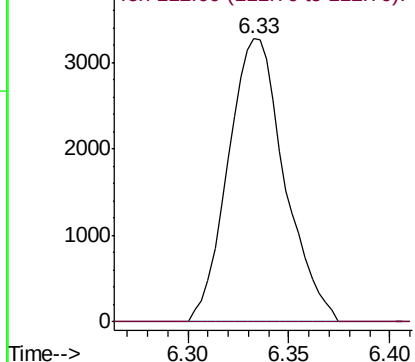


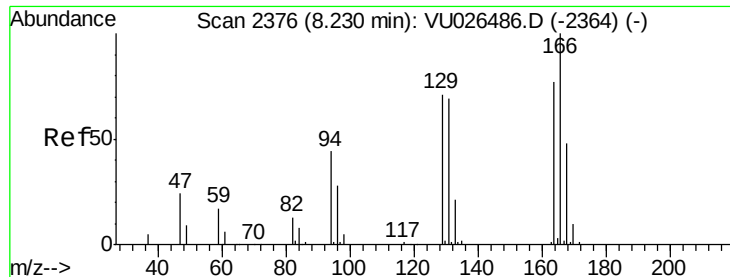
#37
1,2-Dichloropropane
Concen: 5.422 ug/L
RT: 6.33 min Scan# 1786
Delta R.T. -0.10 min
Lab File: VU026495.D
Acq: 31 Aug 2018 13:28

Tgt Ion: 63 Resp: 6397
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V





#46

Tetrachloroethene

Concen: 18.406 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU026495.D

Acq: 31 Aug 2018 13:28

Instrument :

MSVOA_U

ClientSampleId :

BEE16

Tgt Ion:164 Resp: 16087

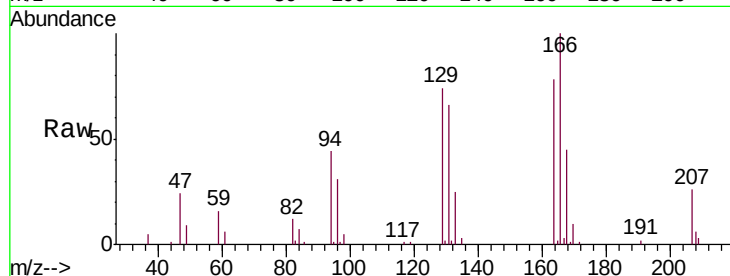
Ion Ratio Lower Upper

164 100

129 95.8 67.3 125.1

131 85.4 65.3 121.3

166 128.9 90.9 168.7

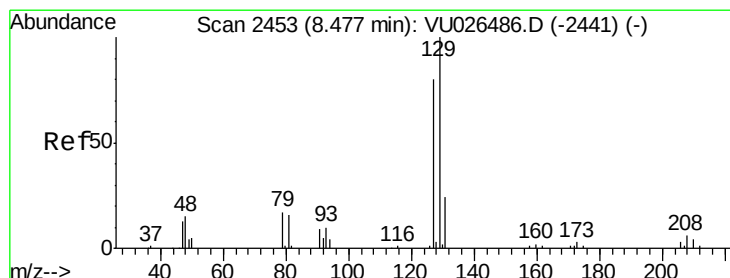
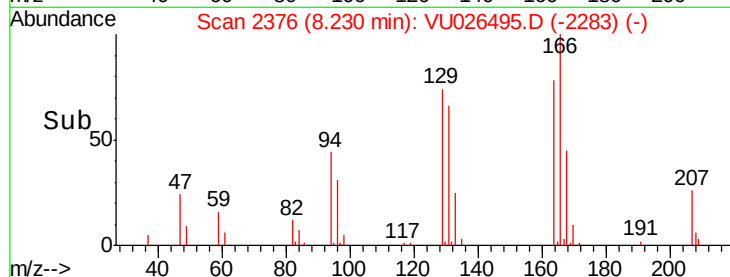
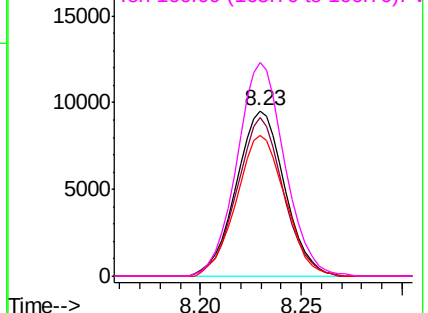


Abundance Ion 164.00 (163.70 to 164.70): V

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: 12.147 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.25 min

Lab File: VU026495.D

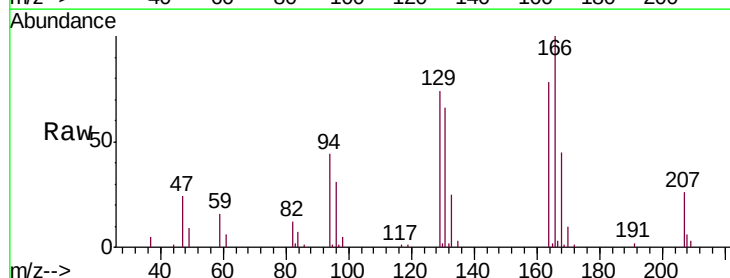
Acq: 31 Aug 2018 13:28

Tgt Ion:129 Resp: 14794

Ion Ratio Lower Upper

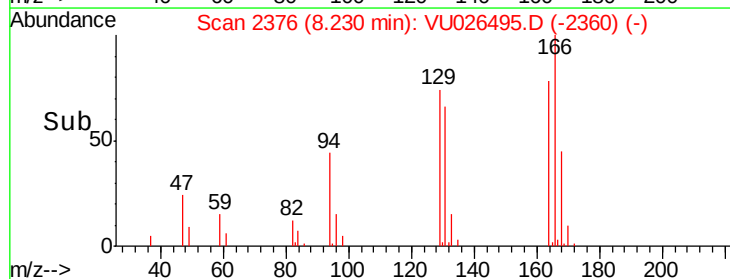
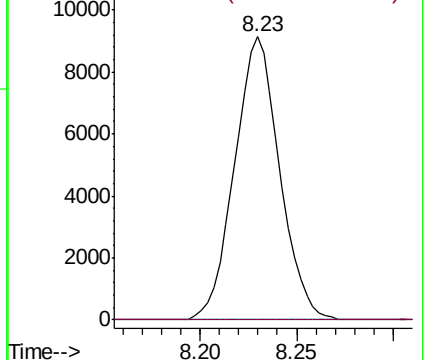
129 100

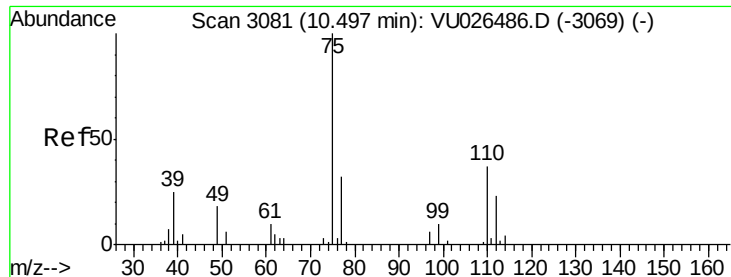
127 0.0 55.0 102.2#



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: 5.012 ug/L

RT: 11.48 min Scan# 3388

Delta R.T. 0.99 min

Lab File: VU026495.D

Acq: 31 Aug 2018 13:28

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion: 75 Resp: 7379

Ion Ratio Lower Upper

75 100

77 41.6 25.0 37.6#

