

Data File : VU026546.D
Acq On : 05 Sep 2018 15:18
Operator : MD/SY
Sample : J4694-20
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BEE40

Quant Time: Sep 06 04:40:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 06 04:37:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	155987	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	148755	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	64226	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	40970	42.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.78%
7) Chloroethane-d5	1.68	69	38900	44.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.14%
11) 1,1-Dichloroethene-d2	2.27	63	63831	29.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.66%#
21) 2-Butanone-d5	4.18	46	79574	106.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.08%
24) Chloroform-d	4.65	84	88303	48.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.74%
26) 1,2-Dichloroethane-d4	5.31	65	61236	50.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.78%
32) Benzene-d6	5.35	84	172121	50.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.33	67	62278	52.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.76%
41) Toluene-d8	7.57	98	154170	46.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.16%
43) trans-1,3-Dichloropropene-	7.85	79	17588	32.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.40%
47) 2-Hexanone-d5	8.31	63	55867	103.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.42%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	86575	49.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.78%
64) 1,2-Dichlorobenzene-d4	11.86	152	63009	54.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.14%

Target Compounds

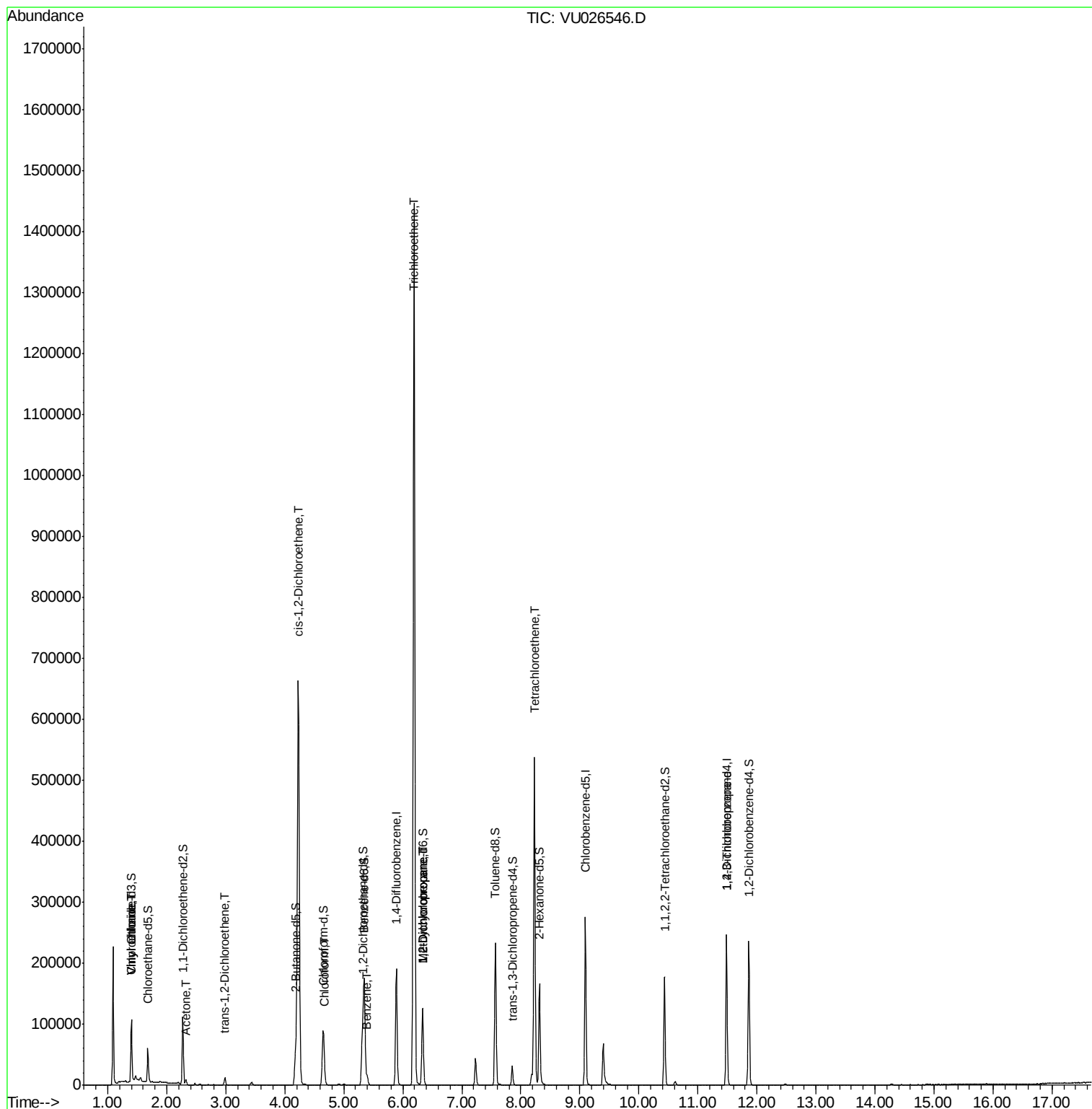
						Qvalue
5) Vinyl chloride	1.40	62	28639	17.590	ug/L #	82
8) Chloroethane	1.40	64	17630	18.035	ug/L #	59
13) Acetone	2.32	43	7640	11.762	ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	4891	4.856	ug/L	93
20) cis-1,2-Dichloroethene	4.23	96	369442	327.460	ug/L	98
25) Chloroform	4.68	83	3626	1.794	ug/L	100
33) Benzene	5.39	78	14893	3.492	ug/L	100
34) Trichloroethene	6.19	95	487672	455.897	ug/L	99
35) Methylcyclohexane	6.33	83	13817	8.272	ug/L #	18
37) 1,2-Dichloropropane	6.34	63	6331	5.362	ug/L #	88
46) Tetrachloroethene	8.23	164	120588	137.884	ug/L	95
59) 1,2,3-Trichloropropane	11.49	75	7654	5.196	ug/L #	87

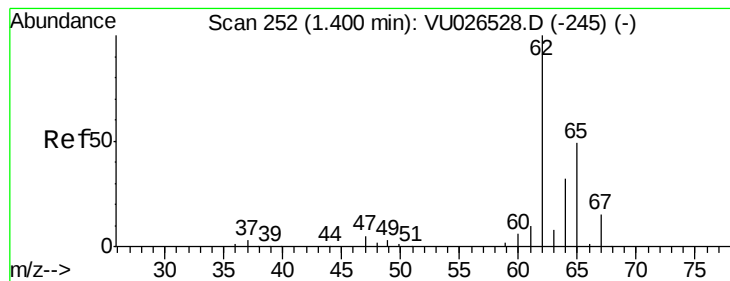
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 17.590 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU026546.D

Acq: 05 Sep 2018 15:18

Instrument :

MSVOA_U

ClientSampleId :

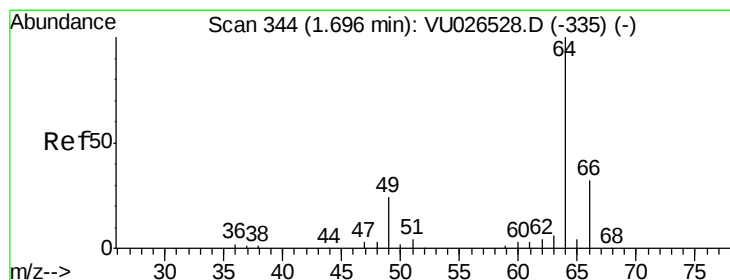
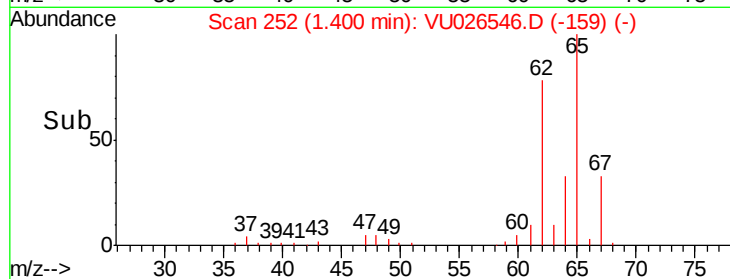
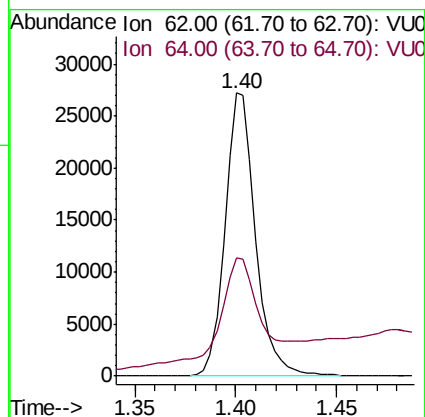
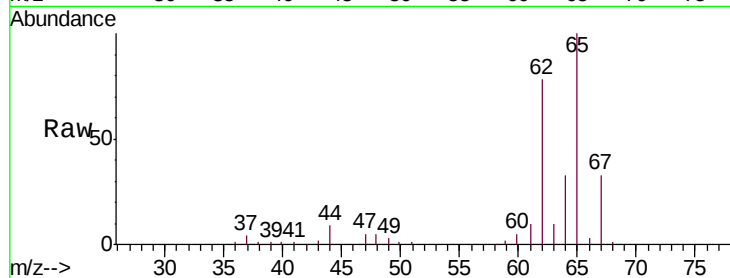
BEE40

Tgt Ion: 62 Resp: 28639

Ion Ratio Lower Upper

62 100

64 41.9 22.4 41.6#



#8

Chloroethane

Concen: 18.035 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.30 min

Lab File: VU026546.D

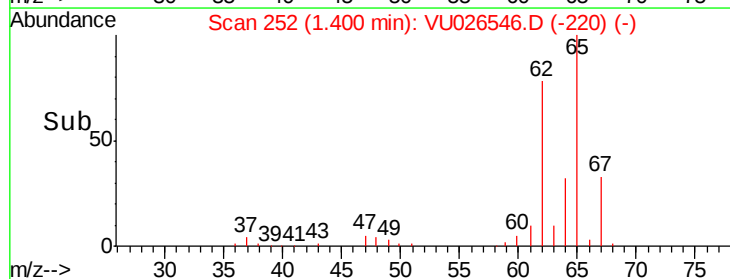
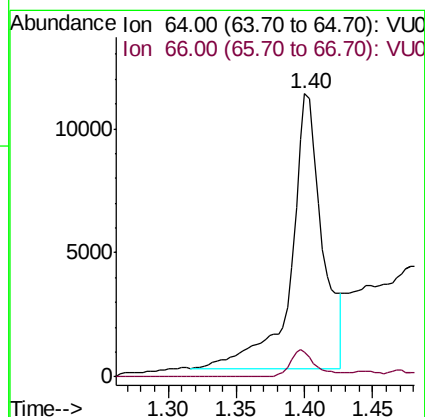
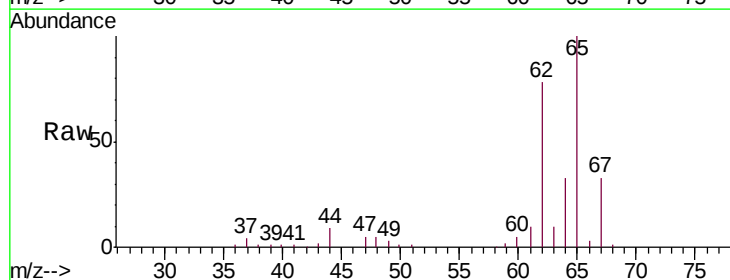
Acq: 05 Sep 2018 15:18

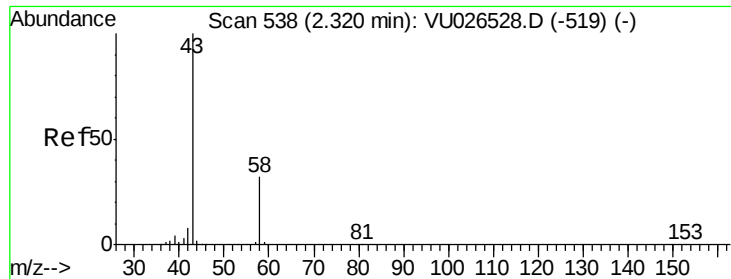
Tgt Ion: 64 Resp: 17630

Ion Ratio Lower Upper

64 100

66 8.9 22.2 41.2#





#13

Acetone

Concen: 11.762 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026546.D

Acq: 05 Sep 2018 15:18

Instrument :

MSVOA_U

ClientSampled :

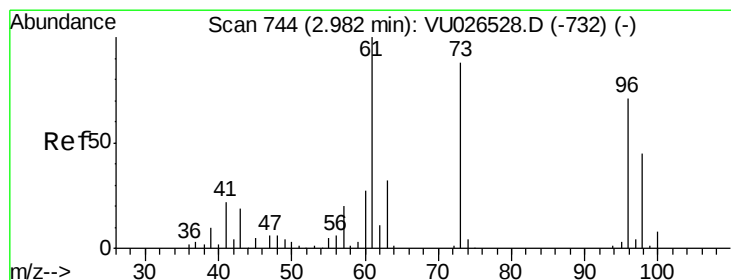
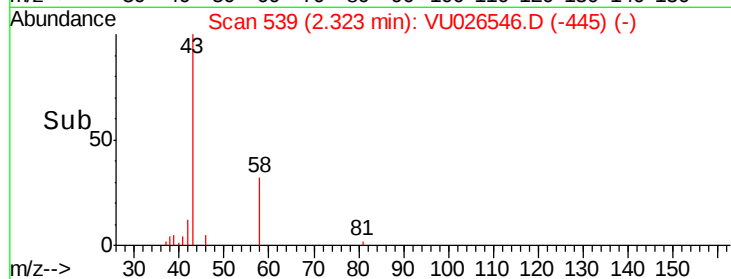
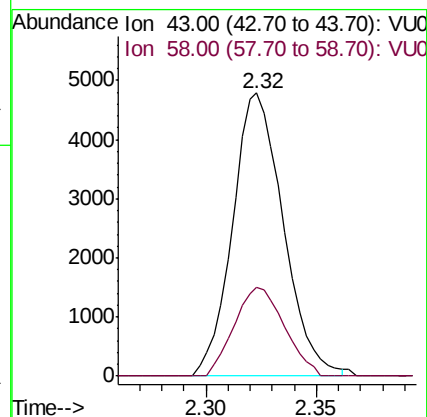
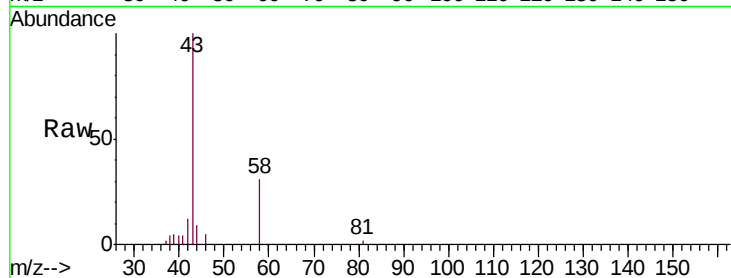
BEE40

Tgt Ion: 43 Resp: 7640

Ion Ratio Lower Upper

43 100

58 30.9 0.0 61.2



#17

trans-1,2-Dichloroethene

Concen: 4.856 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU026546.D

Acq: 05 Sep 2018 15:18

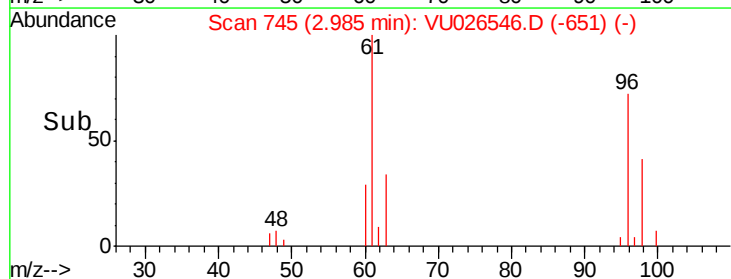
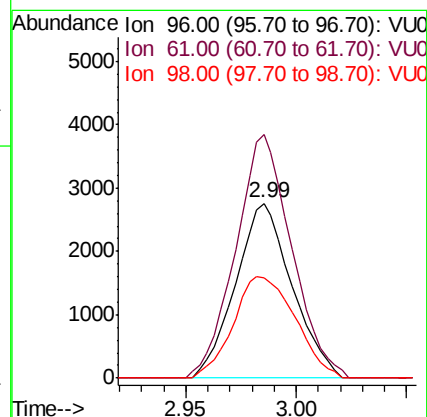
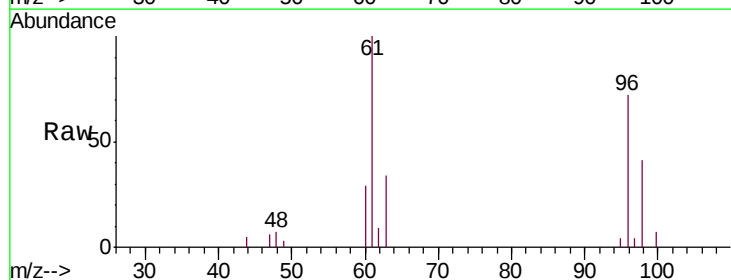
Tgt Ion: 96 Resp: 4891

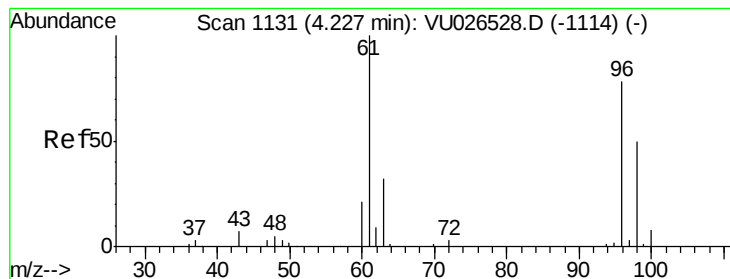
Ion Ratio Lower Upper

96 100

61 139.0 103.2 191.6

98 57.1 44.9 83.3





#20

cis-1,2-Dichloroethene

Concen: 327.460 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU026546.D

Acq: 05 Sep 2018 15:18

Instrument :

MSVOA_U

ClientSampleId :

BEE40

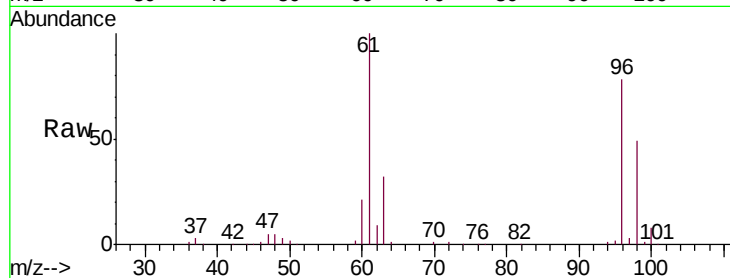
Tgt Ion: 96 Resp: 369442

Ion Ratio Lower Upper

96 100

61 129.0 91.6 170.2

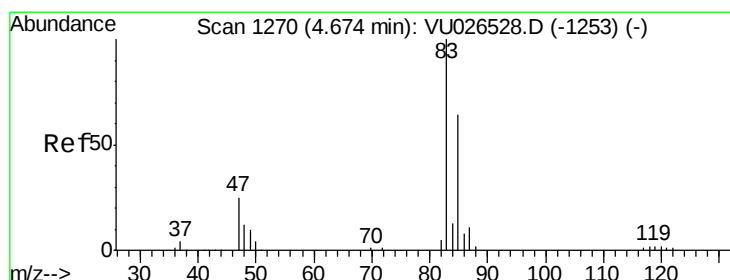
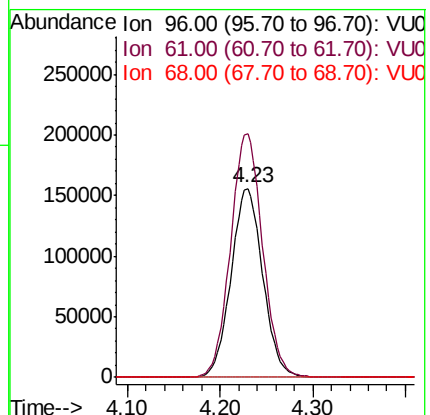
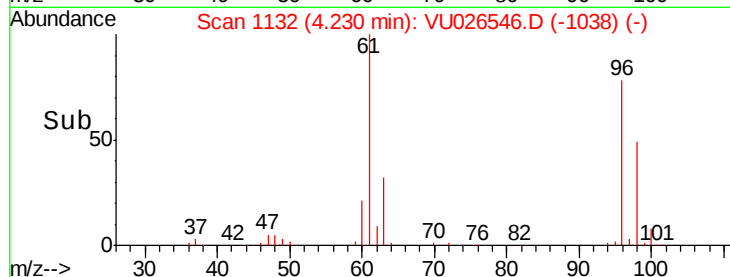
68 0.0 0.0 0.0



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



#25

Chloroform

Concen: 1.794 ug/L

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU026546.D

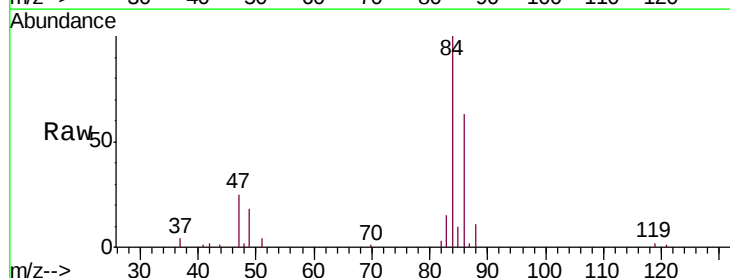
Acq: 05 Sep 2018 15:18

Tgt Ion: 83 Resp: 3626

Ion Ratio Lower Upper

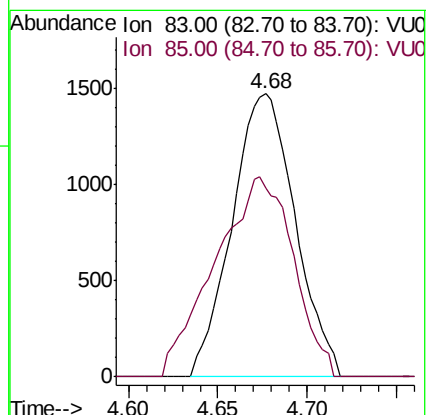
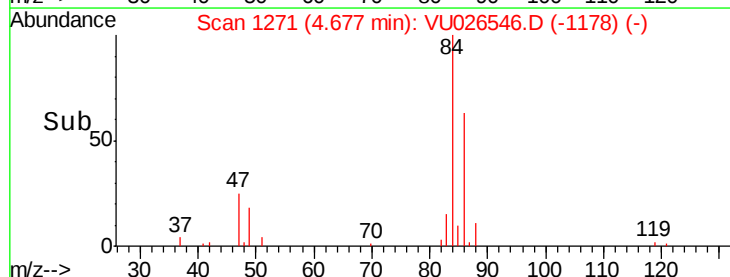
83 100

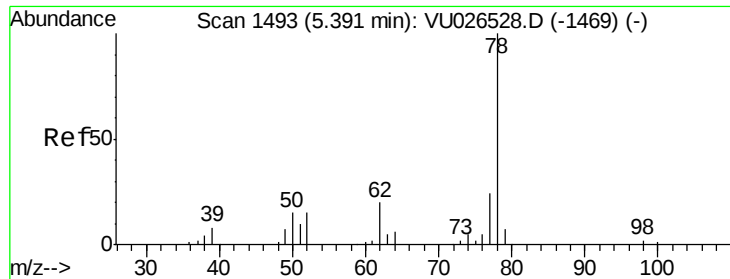
85 66.8 46.5 86.5



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#33

Benzene

Concen: 3.492 ug/L

RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU026546.D

Acq: 05 Sep 2018 15:18

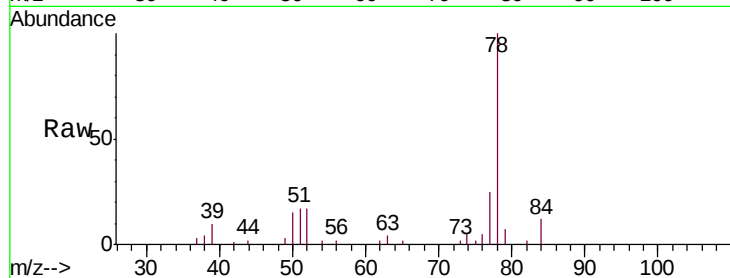
Instrument :

MSVOA_U

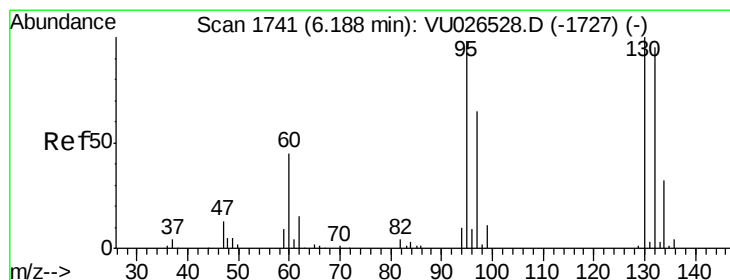
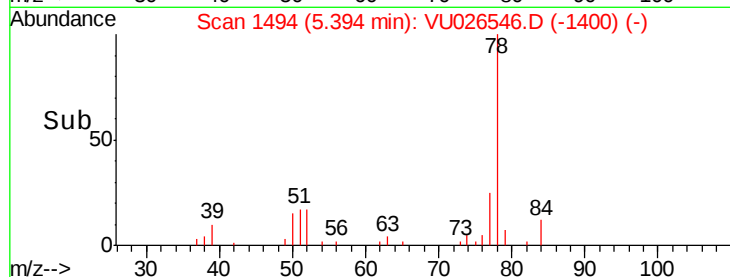
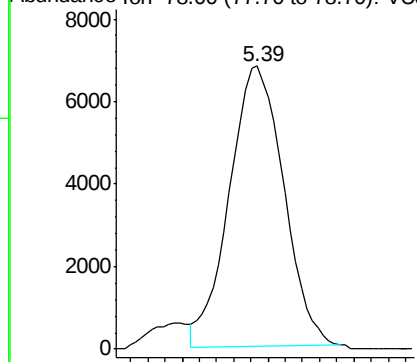
ClientSampled :

BEE40

Tgt Ion: 78 Resp: 14893



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 455.897 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU026546.D

Acq: 05 Sep 2018 15:18

Tgt Ion: 95 Resp: 487672

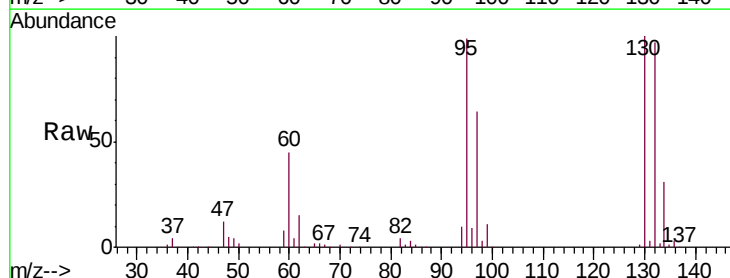
Ion	Ratio	Lower	Upper
95	100		
97	64.5	45.1	83.7
132	97.2	67.5	125.3
130	100.6	69.3	128.7

95 100

97 64.5 45.1 83.7

132 97.2 67.5 125.3

130 100.6 69.3 128.7

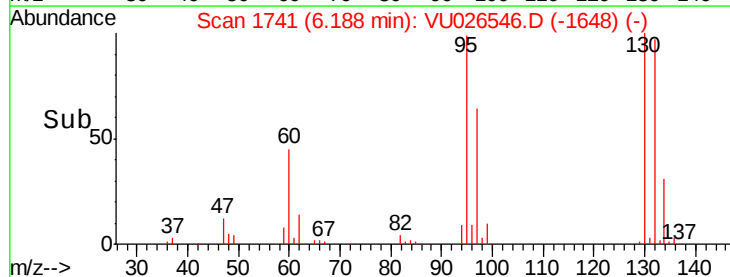
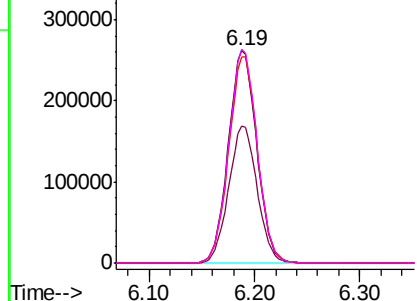


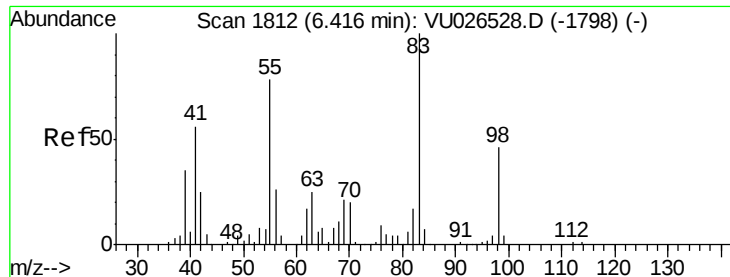
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

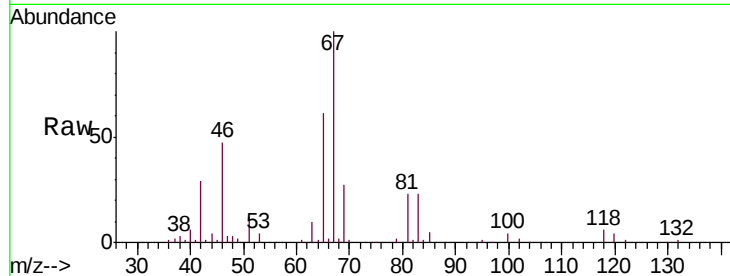




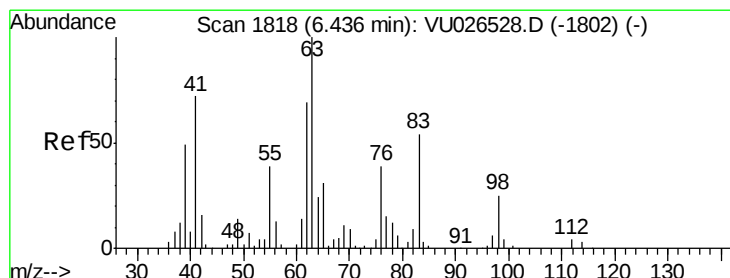
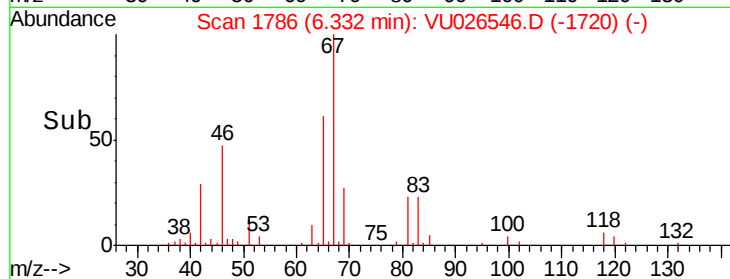
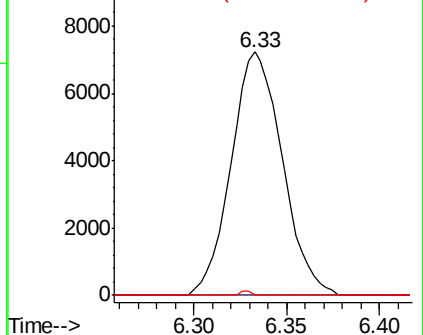
#35
Methylcyclohexane
Concen: 8.272 ug/L
RT: 6.33 min Scan# 1786
Delta R.T. -0.09 min
Lab File: VU026546.D
Acq: 05 Sep 2018 15:18

Instrument :
MSVOA_U
ClientSampleId :
BEE40

Tgt Ion: 83 Resp: 13817
Ion Ratio Lower Upper
83 100
55 0.0 63.3 94.9#
98 0.3 36.7 55.1#

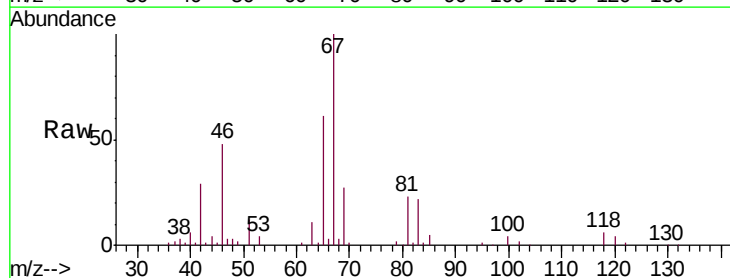


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

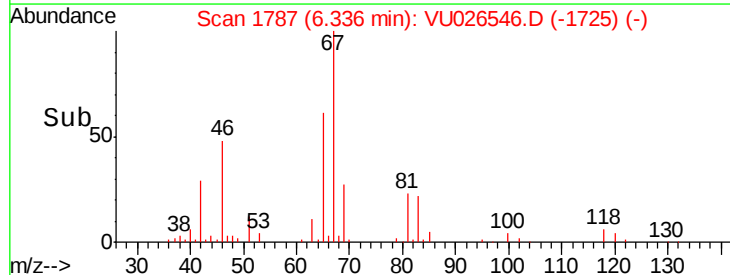
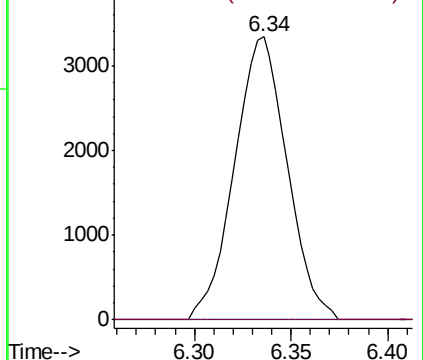


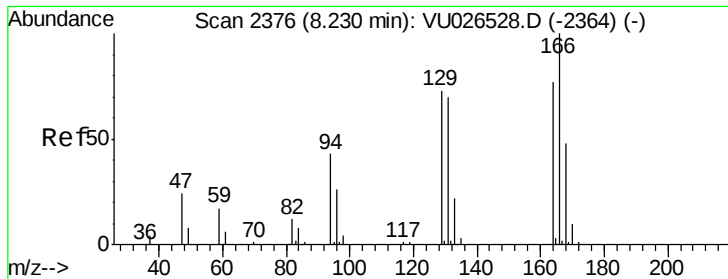
#37
1,2-Dichloropropane
Concen: 5.362 ug/L
RT: 6.34 min Scan# 1787
Delta R.T. -0.10 min
Lab File: VU026546.D
Acq: 05 Sep 2018 15:18

Tgt Ion: 63 Resp: 6331
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: 137.884 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU026546.D

Acq: 05 Sep 2018 15:18

Instrument :

MSVOA_U

ClientSampleId :

BEE40

Tgt Ion:164 Resp: 120588

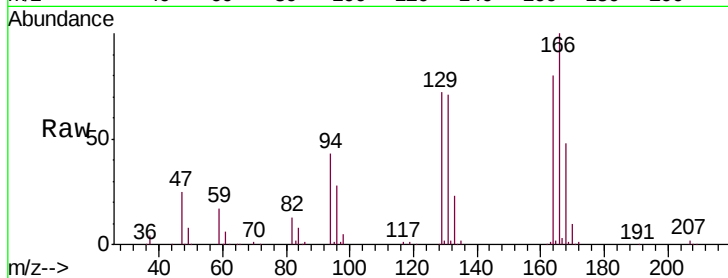
Ion Ratio Lower Upper

164 100

129 90.4 67.3 125.1

131 89.3 65.3 121.3

166 125.4 90.9 168.7

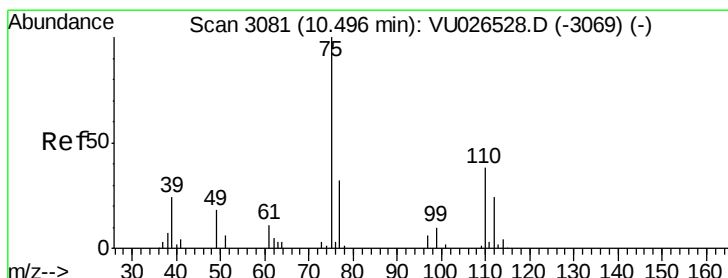
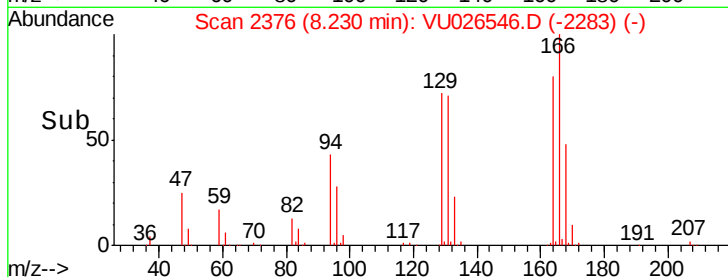
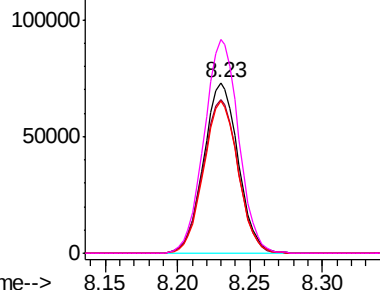


Abundance Ion 164.00 (163.70 to 164.70): V

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



#59

1,2,3-Trichloropropane

Concen: 5.196 ug/L

RT: 11.49 min Scan# 3389

Delta R.T. 0.99 min

Lab File: VU026546.D

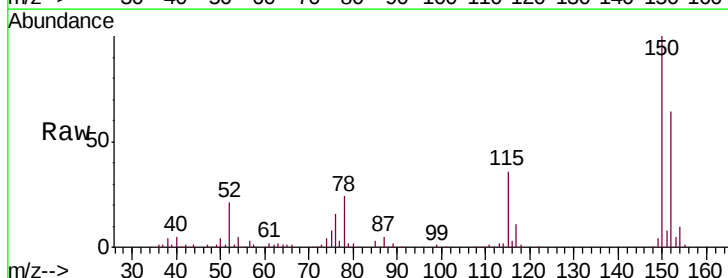
Acq: 05 Sep 2018 15:18

Tgt Ion: 75 Resp: 7654

Ion Ratio Lower Upper

75 100

77 38.5 25.0 37.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

