

Data File : VU026547.D
Acq On : 05 Sep 2018 15:42
Operator : MD/SY
Sample : J4694-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BEE39

Quant Time: Sep 06 04:40:18 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	153541	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	147256	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	63130	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	39664	41.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.38%
7) Chloroethane-d5	1.68	69	38323	44.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.20%
11) 1,1-Dichloroethene-d2	2.27	63	58204	27.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.34%#
21) 2-Butanone-d5	4.18	46	80133	108.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.53%
24) Chloroform-d	4.65	84	87200	48.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.06%
26) 1,2-Dichloroethane-d4	5.31	65	60108	50.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.50%
32) Benzene-d6	5.35	84	170333	50.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.38%
36) 1,2-Dichloropropane-d6	6.33	67	60864	52.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.40%
41) Toluene-d8	7.57	98	152964	46.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.38%
43) trans-1,3-Dichloropropene-	7.85	79	16961	31.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.72%
47) 2-Hexanone-d5	8.31	63	56971	106.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.54%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	86312	50.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.50%
64) 1,2-Dichlorobenzene-d4	11.86	152	62006	54.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.28%

Target Compounds

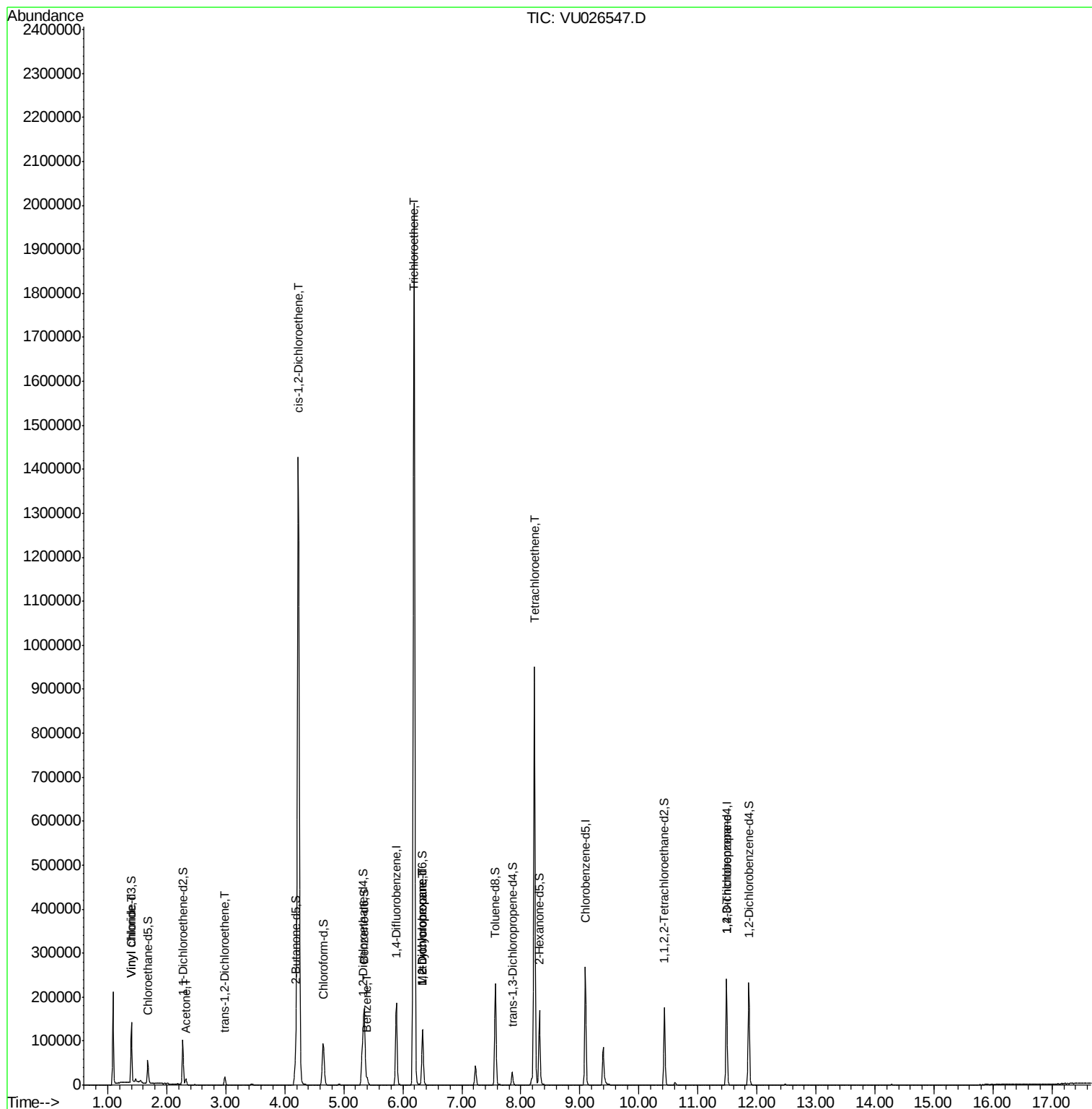
						Qvalue
5) Vinyl chloride	1.40	62	49678	30.999	ug/L	92
13) Acetone	2.32	43	15196	23.768	ug/L	96
17) trans-1,2-Dichloroethene	2.99	96	7538	7.604	ug/L	94
20) cis-1,2-Dichloroethene	4.23	96	791137	712.406	ug/L	99
33) Benzene	5.39	78	14789	3.503	ug/L	100
34) Trichloroethene	6.19	95	677258	639.575	ug/L	99
35) Methylcyclohexane	6.33	83	13705	8.289	ug/L #	18
37) 1,2-Dichloropropane	6.34	63	6401	5.477	ug/L #	88
46) Tetrachloroethene	8.23	164	210958	243.670	ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	7476	5.126	ug/L	89

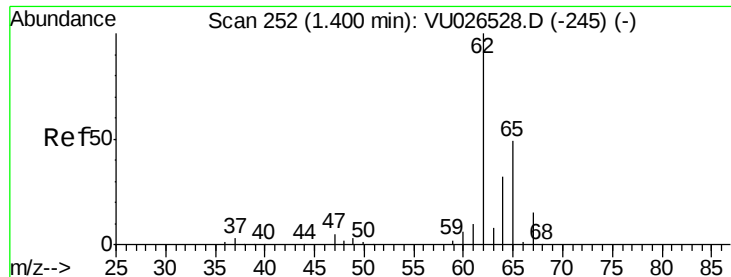
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Sep 06 04:37:37 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 30.999 ug/L

RT: 1.40 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU026547.D

Acq: 05 Sep 2018 15:42

Instrument :

MSVOA_U

ClientSampleId :

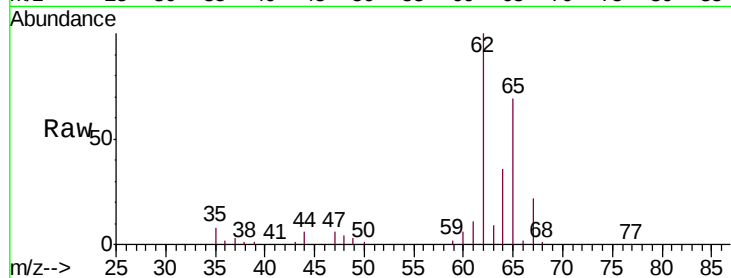
BEE39

Tgt Ion: 62 Resp: 49678

Ion Ratio Lower Upper

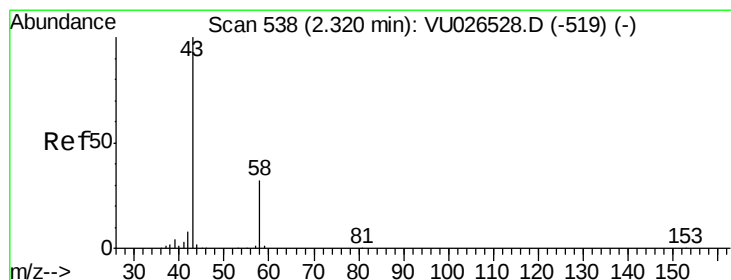
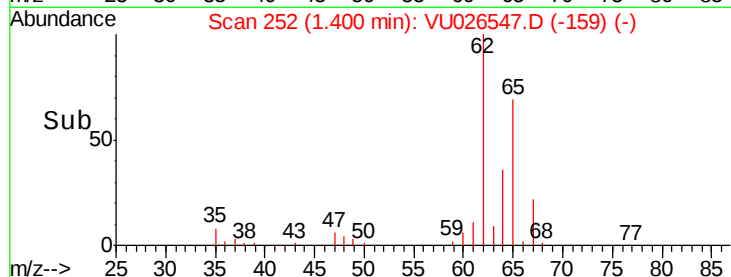
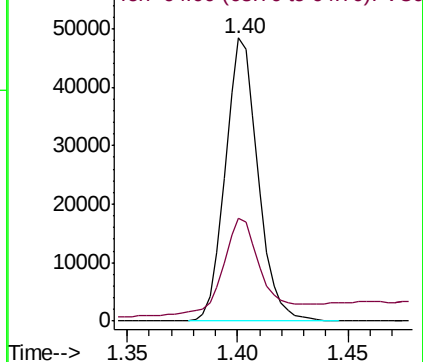
62 100

64 36.4 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#13

Acetone

Concen: 23.768 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026547.D

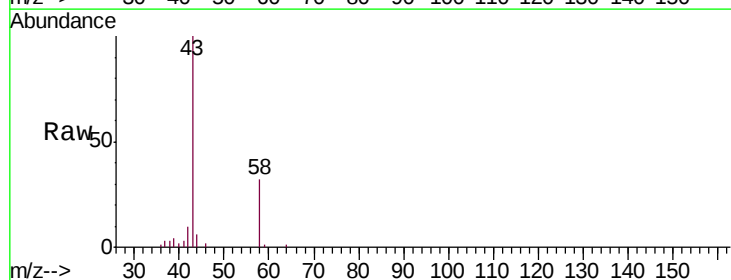
Acq: 05 Sep 2018 15:42

Tgt Ion: 43 Resp: 15196

Ion Ratio Lower Upper

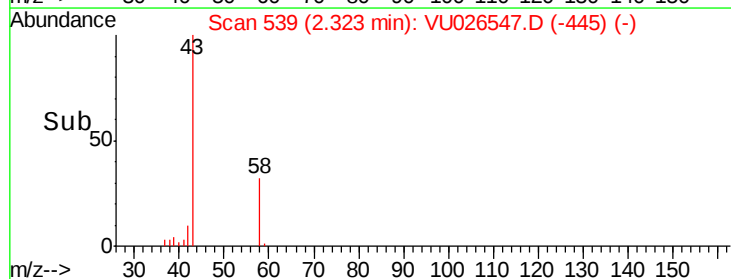
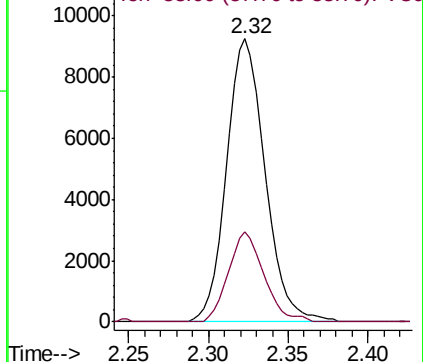
43 100

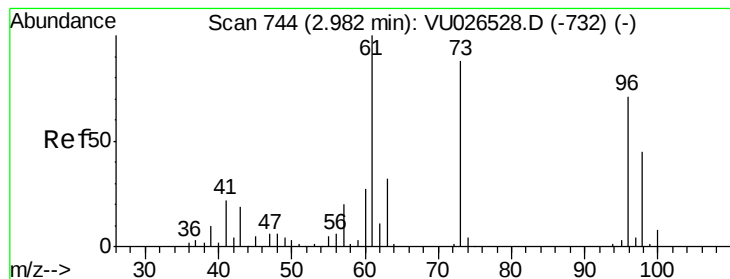
58 28.6 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 7.604 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU026547.D

Acq: 05 Sep 2018 15:42

Instrument :

MSVOA_U

ClientSampleId :

BEE39

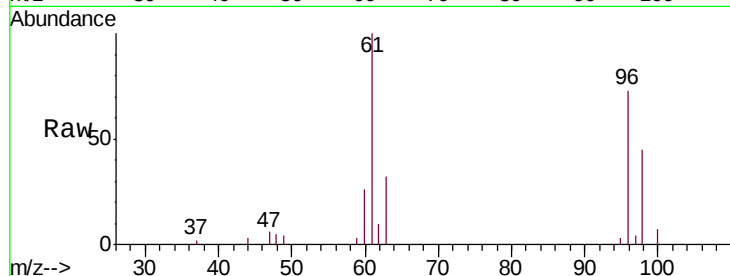
Tgt Ion: 96 Resp: 7538

Ion Ratio Lower Upper

96 100

61 137.3 103.2 191.6

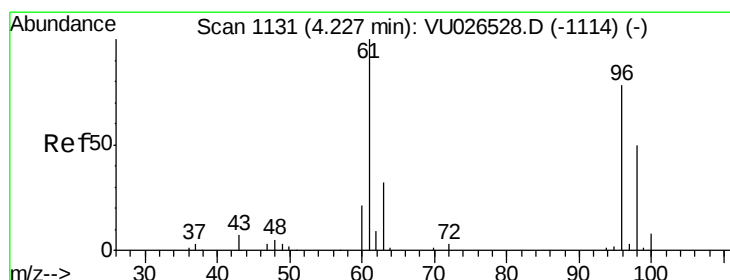
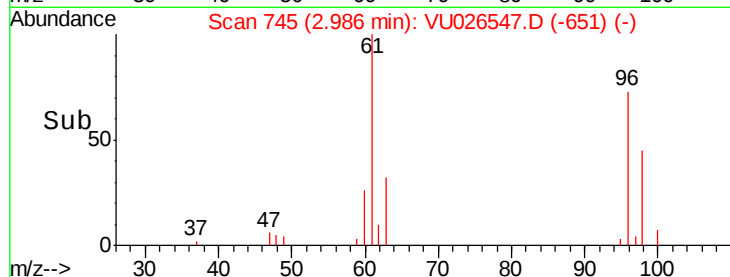
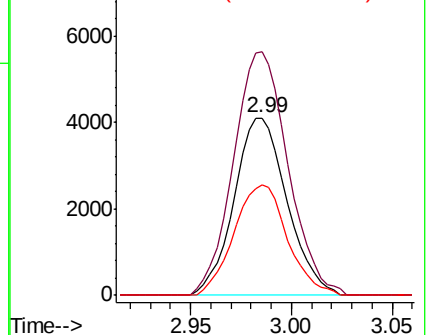
98 62.4 44.9 83.3



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: 712.406 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VU026547.D

Acq: 05 Sep 2018 15:42

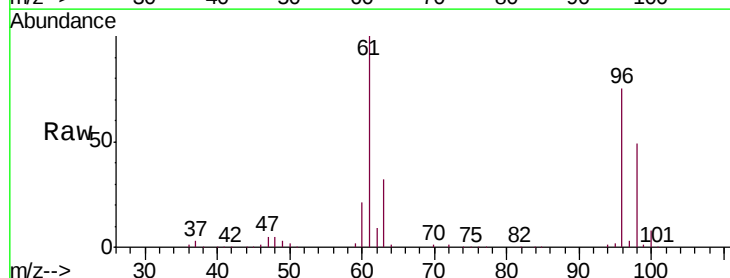
Tgt Ion: 96 Resp: 791137

Ion Ratio Lower Upper

96 100

61 132.5 91.6 170.2

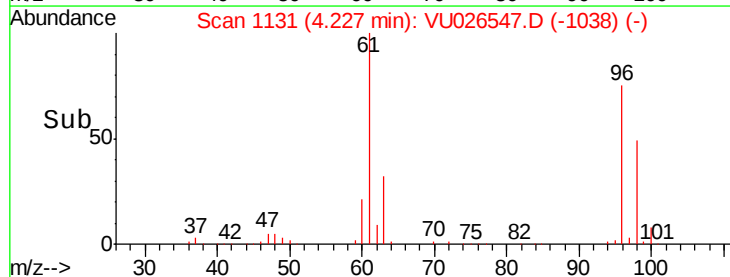
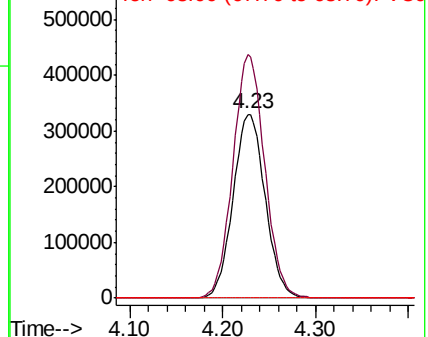
68 0.0 0.0 0.0

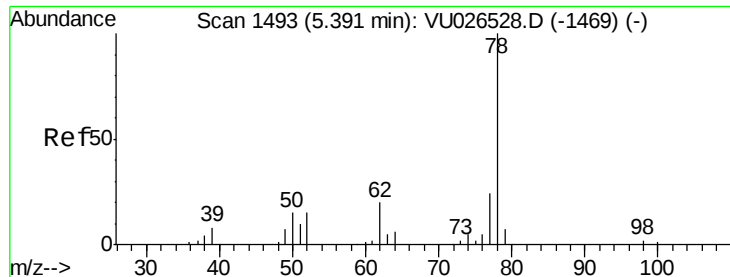


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#33

Benzene

Concen: 3.503 ug/L

RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU026547.D

Acq: 05 Sep 2018 15:42

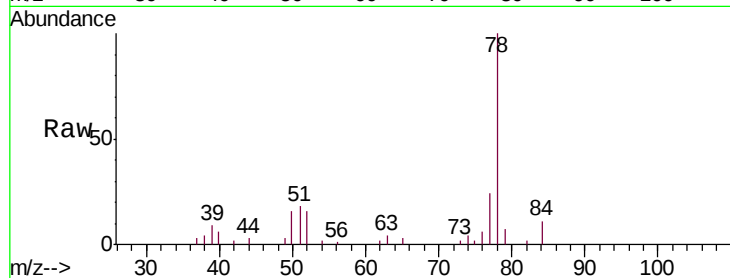
Instrument :

MSVOA_U

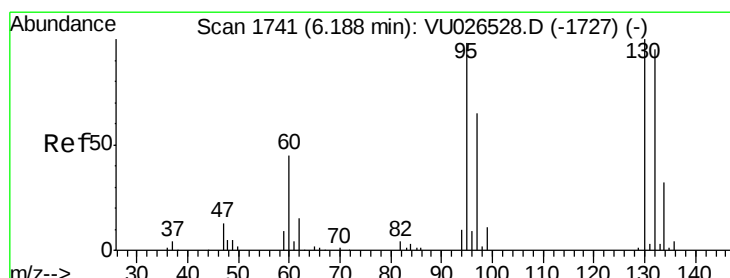
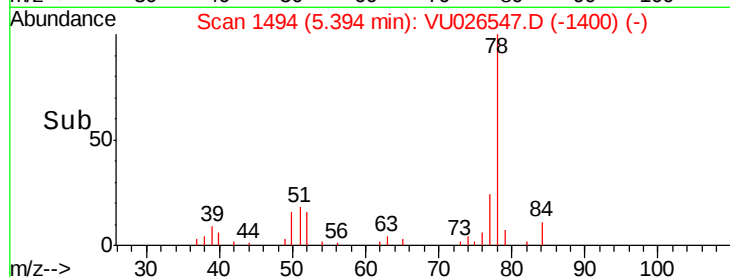
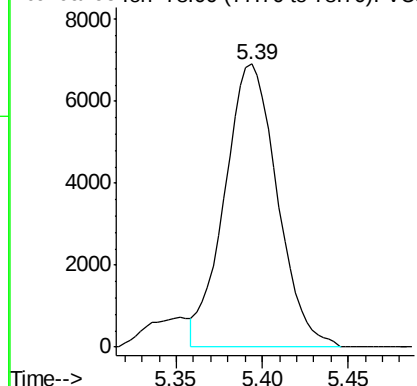
ClientSampled :

BEE39

Tgt Ion: 78 Resp: 14789



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 639.575 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026547.D

Acq: 05 Sep 2018 15:42

Tgt Ion: 95 Resp: 677258

Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.1	83.7
132	96.3	67.5	125.3
130	100.5	69.3	128.7

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

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

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

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

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

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

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

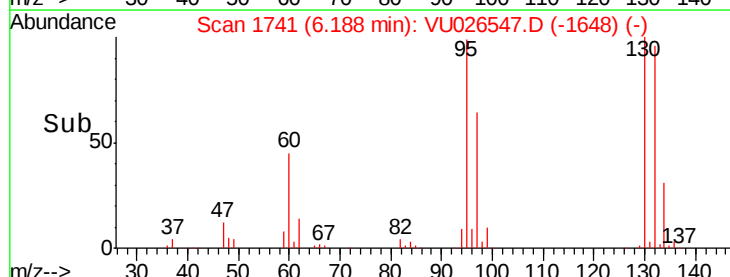
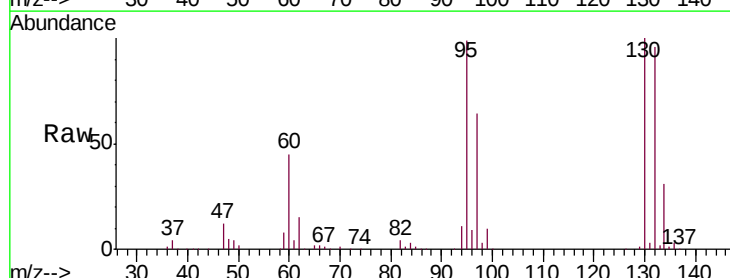
Ion 130.00 (129.70 to 130.70): V

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



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

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

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

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

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

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

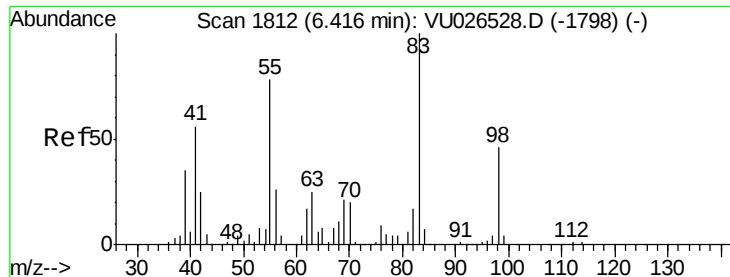
Ion 130.00 (129.70 to 130.70): V

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

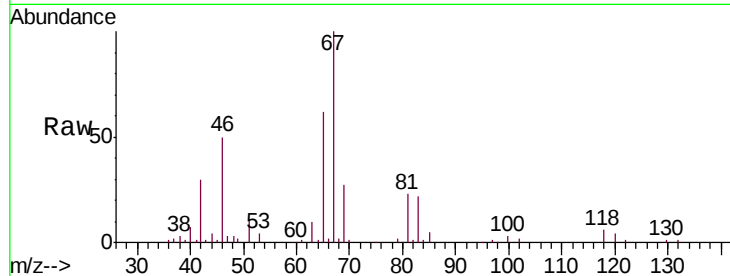
Ion 130.00 (129.70 to 130.70): V



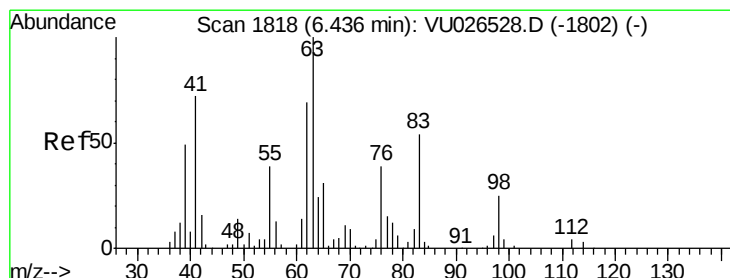
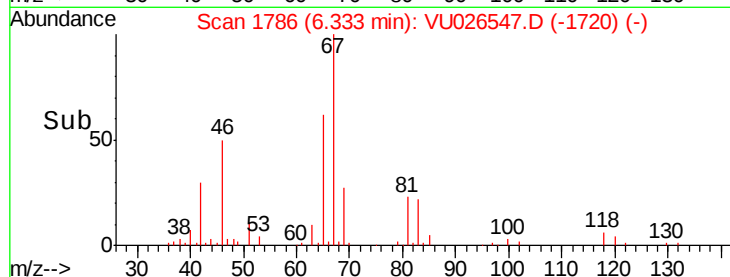
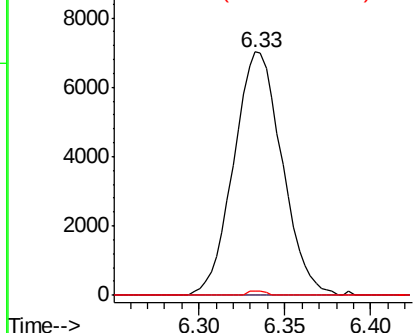
#35
Methylcyclohexane
Concen: 8.289 ug/L
RT: 6.33 min Scan# 1786
Delta R.T. -0.09 min
Lab File: VU026547.D
Acq: 05 Sep 2018 15:42

Instrument :
MSVOA_U
ClientSampleId :
BEE39

Tgt Ion: 83 Resp: 13705
Ion Ratio Lower Upper
83 100
55 0.0 63.3 94.9#
98 0.6 36.7 55.1#

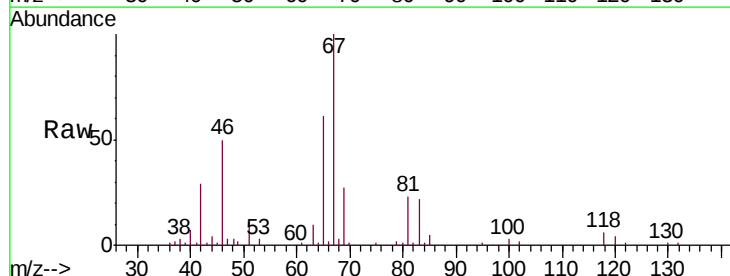


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

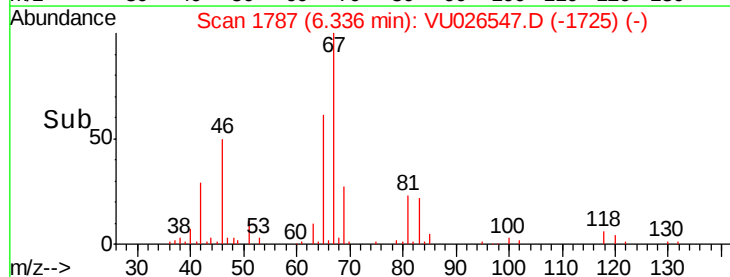
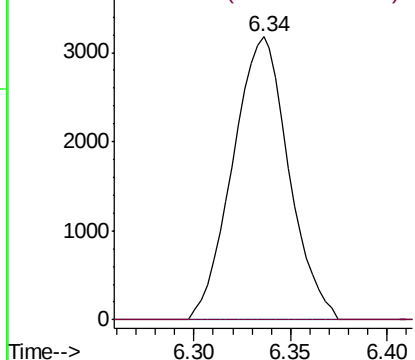


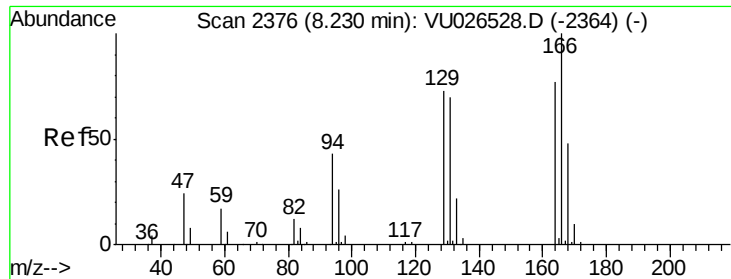
#37
1,2-Dichloropropane
Concen: 5.477 ug/L
RT: 6.34 min Scan# 1787
Delta R.T. -0.10 min
Lab File: VU026547.D
Acq: 05 Sep 2018 15:42

Tgt Ion: 63 Resp: 6401
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: 243.670 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU026547.D

Acq: 05 Sep 2018 15:42

Instrument :

MSVOA_U

ClientSampleID :

BEE39

Tgt Ion:164 Resp: 210958

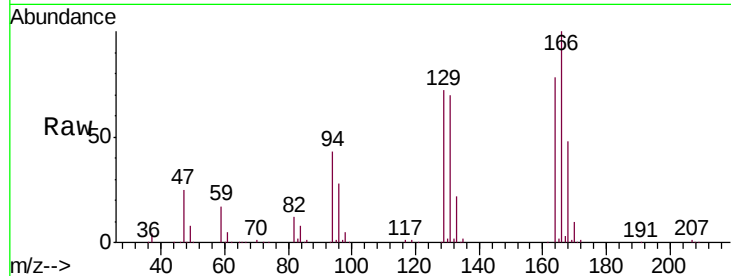
Ion Ratio Lower Upper

164 100

129 93.0 67.3 125.1

131 89.6 65.3 121.3

166 128.7 90.9 168.7

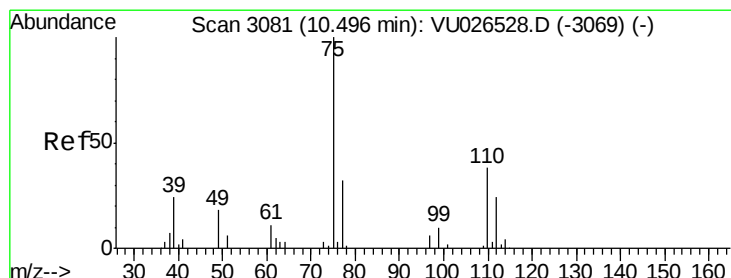
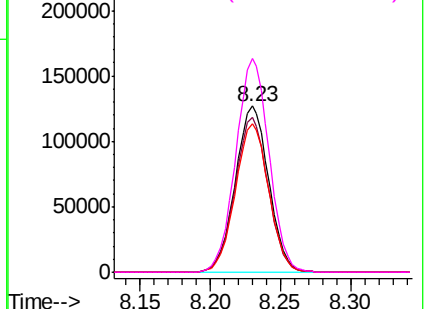
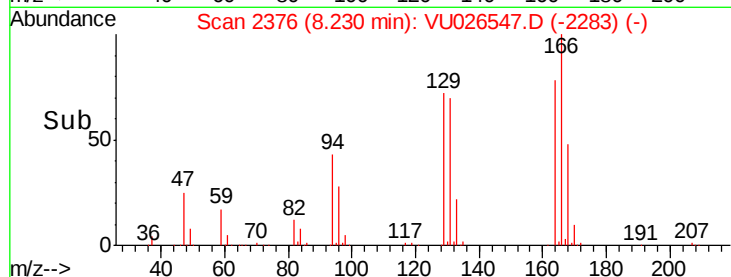


Abundance Ion 164.00 (163.70 to 164.70): V

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: 5.126 ug/L

RT: 11.48 min Scan# 3388

Delta R.T. 0.99 min

Lab File: VU026547.D

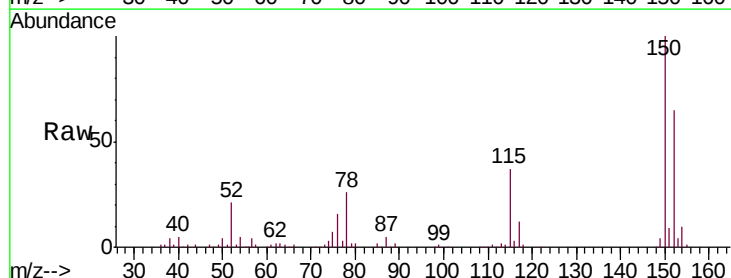
Acq: 05 Sep 2018 15:42

Tgt Ion: 75 Resp: 7476

Ion Ratio Lower Upper

75 100

77 37.3 25.0 37.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

