

Data File : VU031650.D
Acq On : 30 Apr 2019 21:32
Operator : JC/SP
Sample : K2593-17 200X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0XD9

Quant Time: May 01 01:45:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 01 01:38:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	715939	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	676712	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	226480	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	300776	50.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.40%
7) Chloroethane-d5	1.68	69	222845	48.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.26%
11) 1,1-Dichloroethene-d2	2.26	63	451249	37.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.64%
21) 2-Butanone-d5	4.19	46	540479	99.56	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.56%
24) Chloroform-d	4.64	84	526482	47.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.96%
26) 1,2-Dichloroethane-d4	5.31	65	367478	51.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.52%
32) Benzene-d6	5.33	84	1007709	48.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.98%
36) 1,2-Dichloropropane-d6	6.32	67	366431	50.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.24%
41) Toluene-d8	7.56	98	802395	44.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.66%
43) trans-1,3-Dichloropropene-	7.85	79	140158	44.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.32%
47) 2-Hexanone-d5	8.31	63	302399	95.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.56%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	447941	45.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.30%
64) 1,2-Dichlorobenzene-d4	11.86	152	225469	47.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.68%

Target Compounds

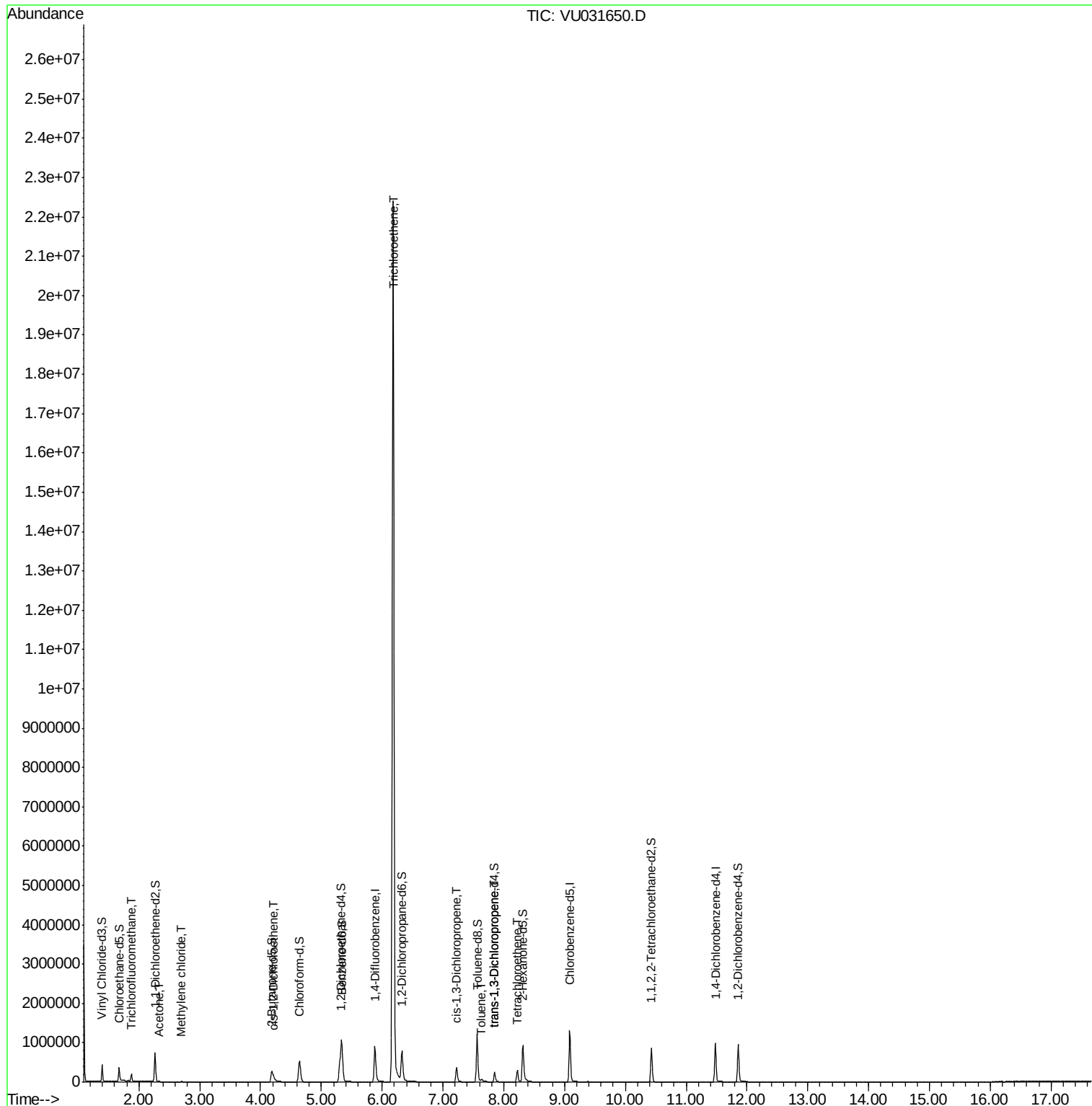
						Qvalue
9) Trichlorofluoromethane	1.88	101	108442	10.682	ug/L	97
13) Acetone	2.34	43	3303	0.540	ug/L	100
16) Methylene chloride	2.70	84	3896	0.591	ug/L	93
20) cis-1,2-Dichloroethene	4.22	96	8147	1.305	ug/L	83
34) Trichloroethene	6.18	95	8200680	1359.757	ug/L	93
39) cis-1,3-Dichloropropene	7.22	75	8574	0.919	ug/L	87
42) Toluene	7.64	91	36322	1.466	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	5930	0.701	ug/L	87
46) Tetrachloroethene	8.22	164	65678	15.974	ug/L	94

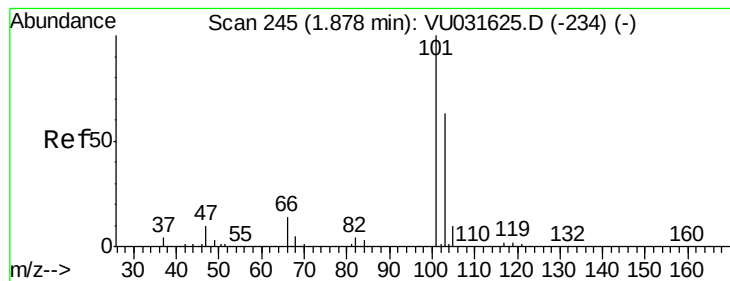
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Trichlorofluoromethane

Concen: 10.682 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU031650.D

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Instrument :

MSVOA_U

ClientSampleId :

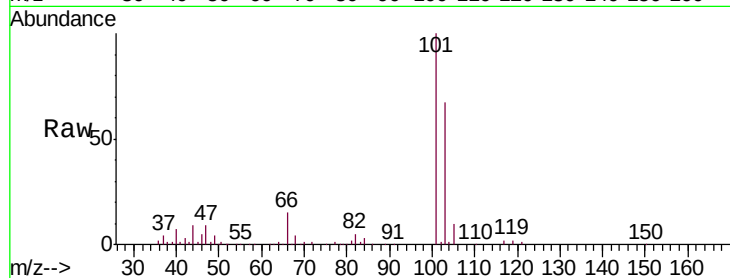
C0XD9

Tgt Ion: 101 Resp: 108442

Ion Ratio Lower Upper

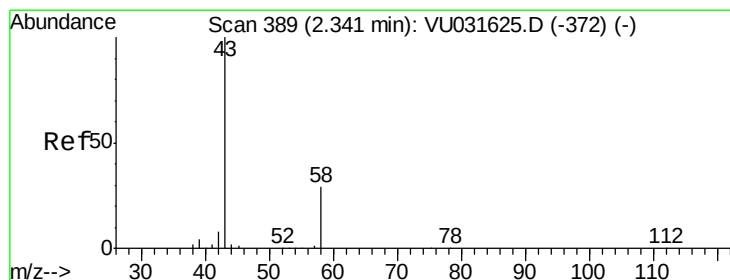
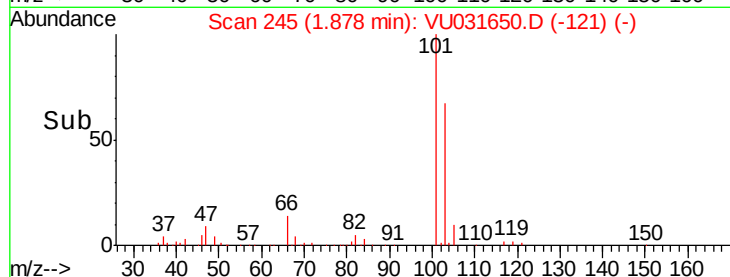
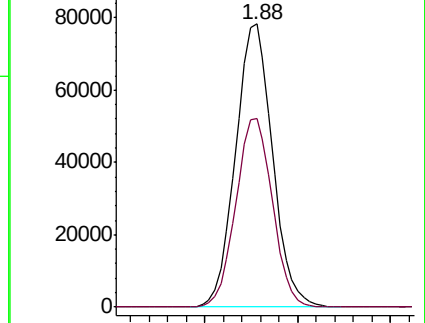
101 100

103 66.0 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Acetone

Concen: 0.540 ug/L

RT: 2.34 min Scan# 388

Delta R.T. -0.00 min

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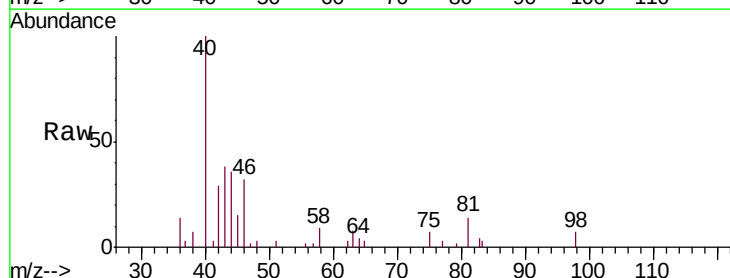
Acq: 30 Apr 2019 21:32

Tgt Ion: 43 Resp: 3303

Ion Ratio Lower Upper

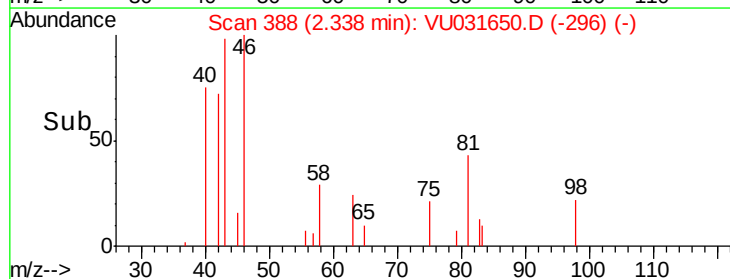
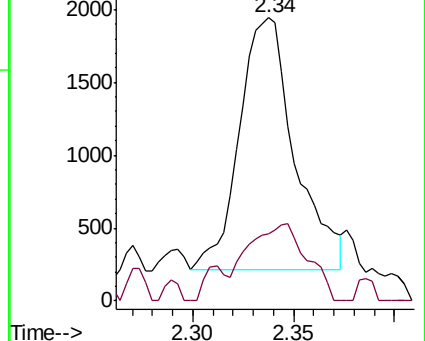
43 100

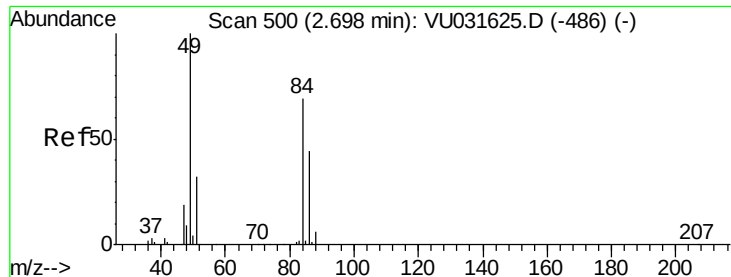
58 32.4 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

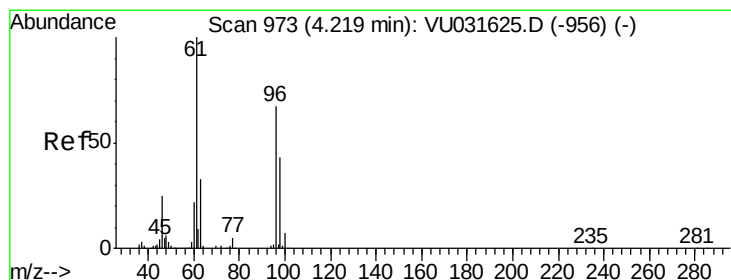
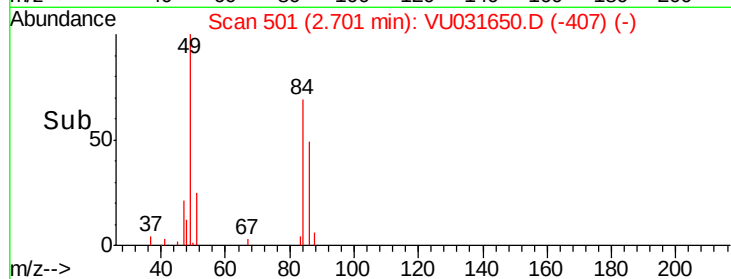
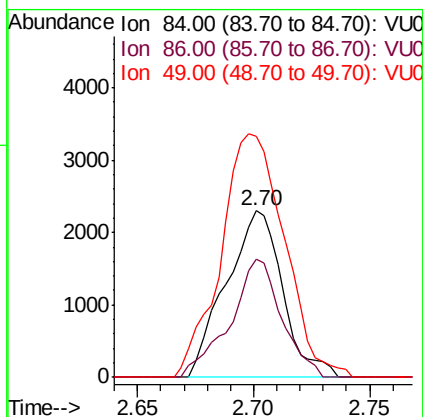
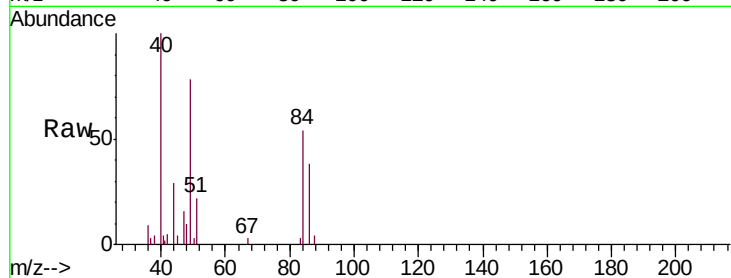




#16
Methylene chloride
Concen: 0.591 ug/L
RT: 2.70 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU031650.D
Acq: 30 Apr 2019 21:32

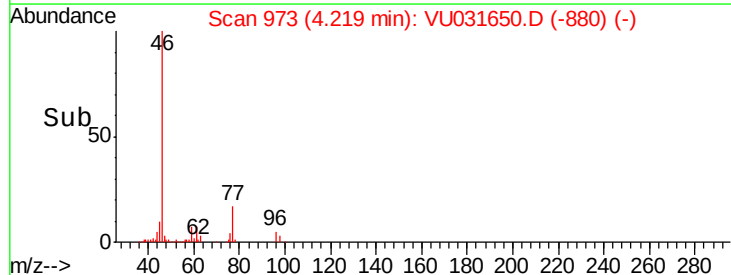
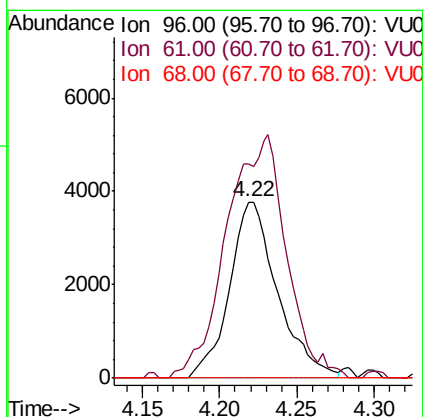
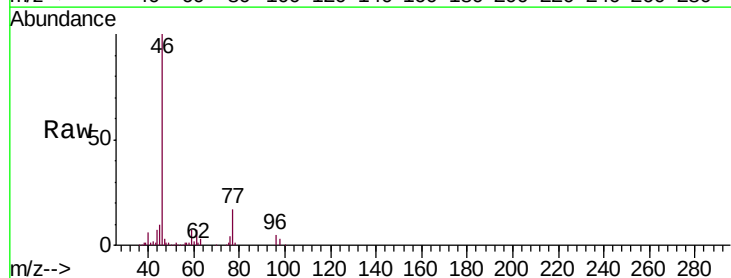
Instrument :
MSVOA_U
ClientSampleId :
C0XD9

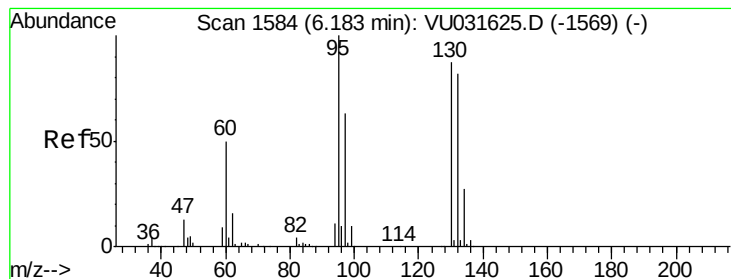
Tgt Ion: 84 Resp: 3896
Ion Ratio Lower Upper
84 100
86 71.4 44.7 83.1
49 145.1 96.5 179.3



#20
cis-1,2-Dichloroethene
Concen: 1.305 ug/L
RT: 4.22 min Scan# 973
Delta R.T. 0.00 min
Lab File: VU031650.D
Acq: 30 Apr 2019 21:32

Tgt Ion: 96 Resp: 8147
Ion Ratio Lower Upper
96 100
61 121.5 99.5 184.7
68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 1359.757 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU031650.D

Acq: 30 Apr 2019 21:32

Instrument :

MSVOA_U

ClientSampleId :

C0XD9

Tgt Ion: 95 Resp: 8200680

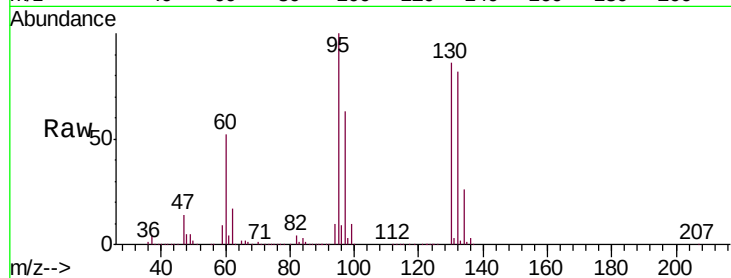
Ion Ratio Lower Upper

95 100

97 63.4 44.8 83.2

132 82.3 63.1 117.1

130 85.7 66.5 123.5

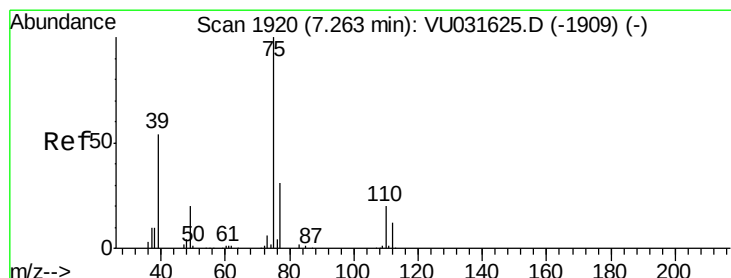
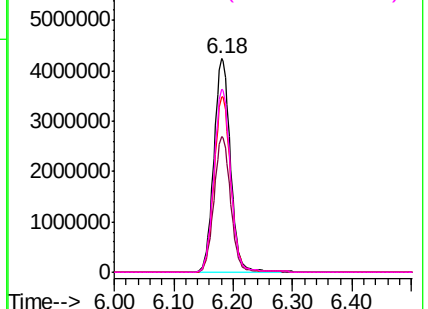
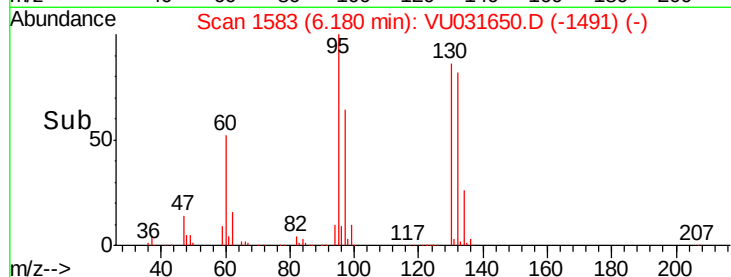


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#39

cis-1,3-Dichloropropene

Concen: 0.919 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU031650.D

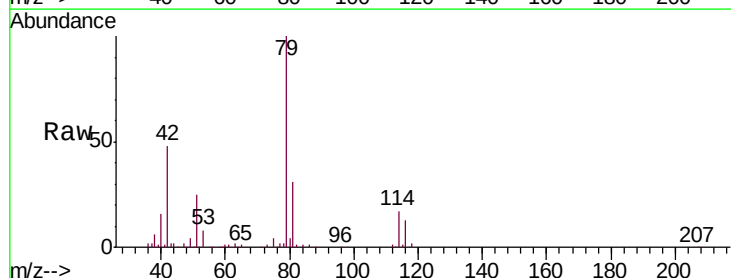
Acq: 30 Apr 2019 21:32

Tgt Ion: 75 Resp: 8574

Ion Ratio Lower Upper

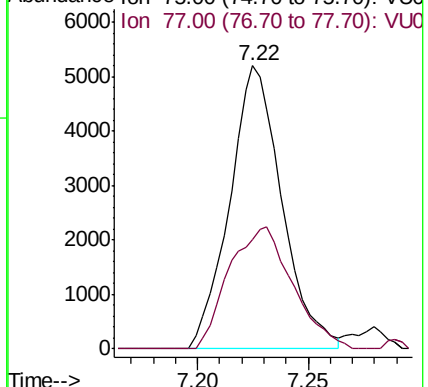
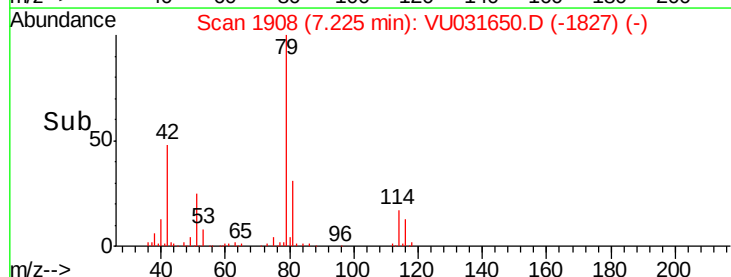
75 100

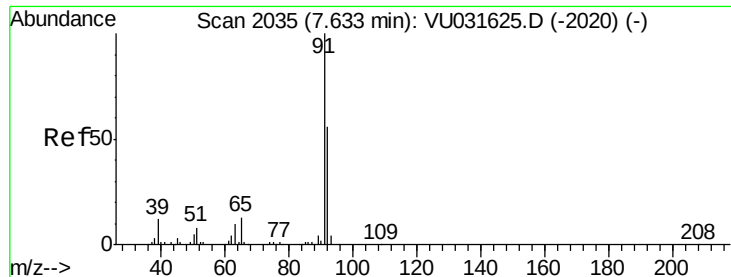
77 38.6 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#42

Toluene

Concen: 1.466 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031650.D

Acq: 30 Apr 2019 21:32

Instrument :

MSVOA_U

ClientSampleId :

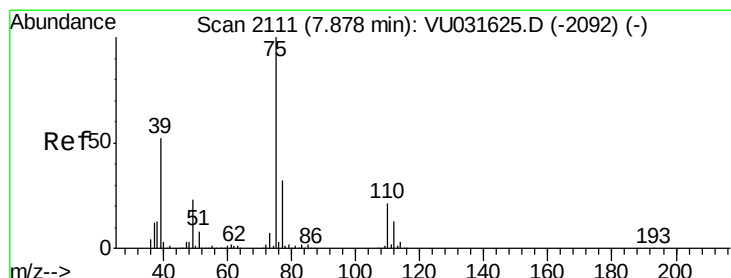
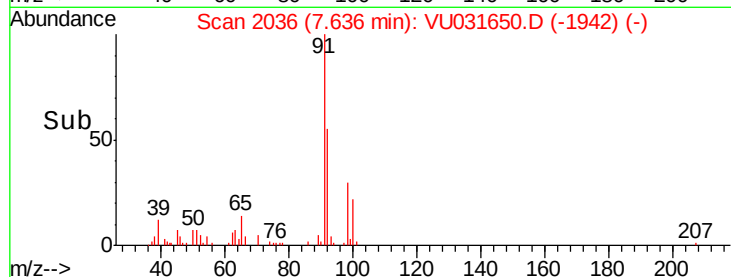
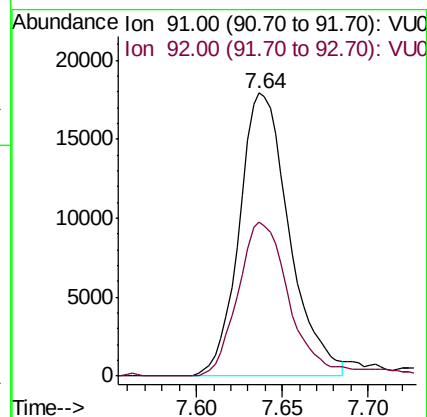
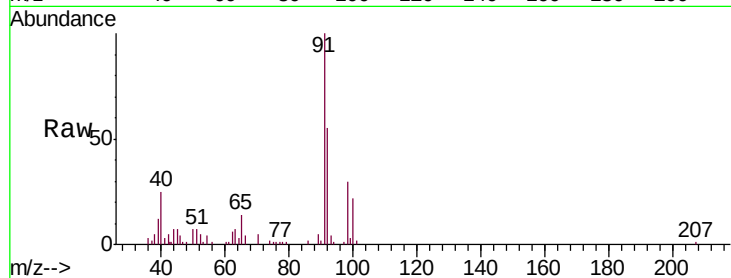
C0XD9

Tgt Ion: 91 Resp: 36322

Ion Ratio Lower Upper

91 100

92 54.6 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 0.701 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU031650.D

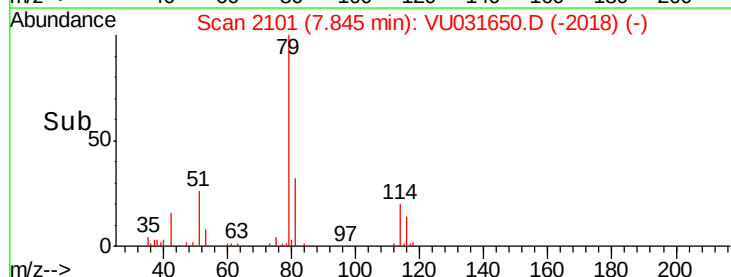
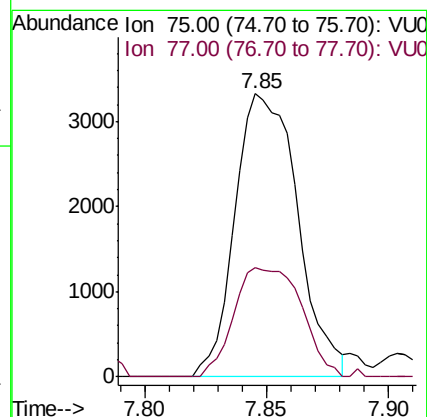
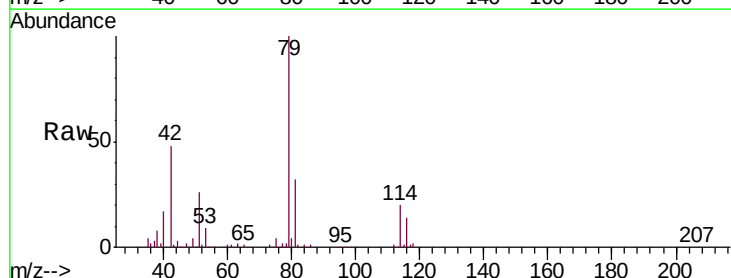
Acq: 30 Apr 2019 21:32

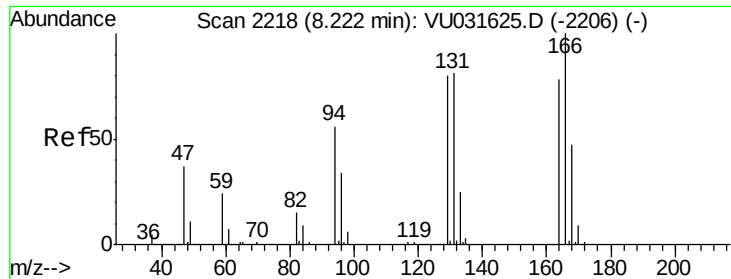
Tgt Ion: 75 Resp: 5930

Ion Ratio Lower Upper

75 100

77 38.7 22.1 41.1





#46

Tetrachloroethene

Concen: 15.974 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU031650.D

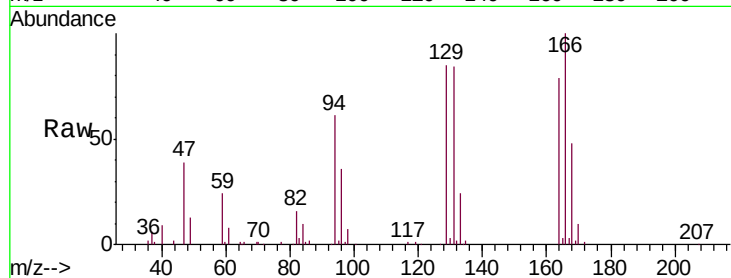
Acq: 30 Apr 2019 21:32

Instrument :

MSVOA_U

ClientSampleId :

C0XD9



Tgt Ion:164 Resp: 65678

Ion Ratio Lower Upper

164 100

129 106.9 71.5 132.9

131 105.7 69.0 128.2

166 125.8 93.7 173.9

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

