

Data File : VU031651.D
Acq On : 30 Apr 2019 21:55
Operator : JC/SP
Sample : K2593-18 200X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0XE0

Quant Time: May 01 01:45:19 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	685588	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	664895	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	229558	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	301869	52.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.22%
7) Chloroethane-d5	1.68	69	223931	50.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.00%
11) 1,1-Dichloroethene-d2	2.27	63	451316	39.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.00%
21) 2-Butanone-d5	4.19	46	531978	102.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.33%
24) Chloroform-d	4.64	84	515085	49.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.04%
26) 1,2-Dichloroethane-d4	5.31	65	359356	52.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.68%
32) Benzene-d6	5.33	84	992186	48.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.32	67	362717	50.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.00%
41) Toluene-d8	7.56	98	803918	45.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.42%
43) trans-1,3-Dichloropropene-	7.85	79	137874	44.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.42%
47) 2-Hexanone-d5	8.31	63	289420	93.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.09%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	447080	46.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.76%
64) 1,2-Dichlorobenzene-d4	11.86	152	231913	48.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.08%

Target Compounds

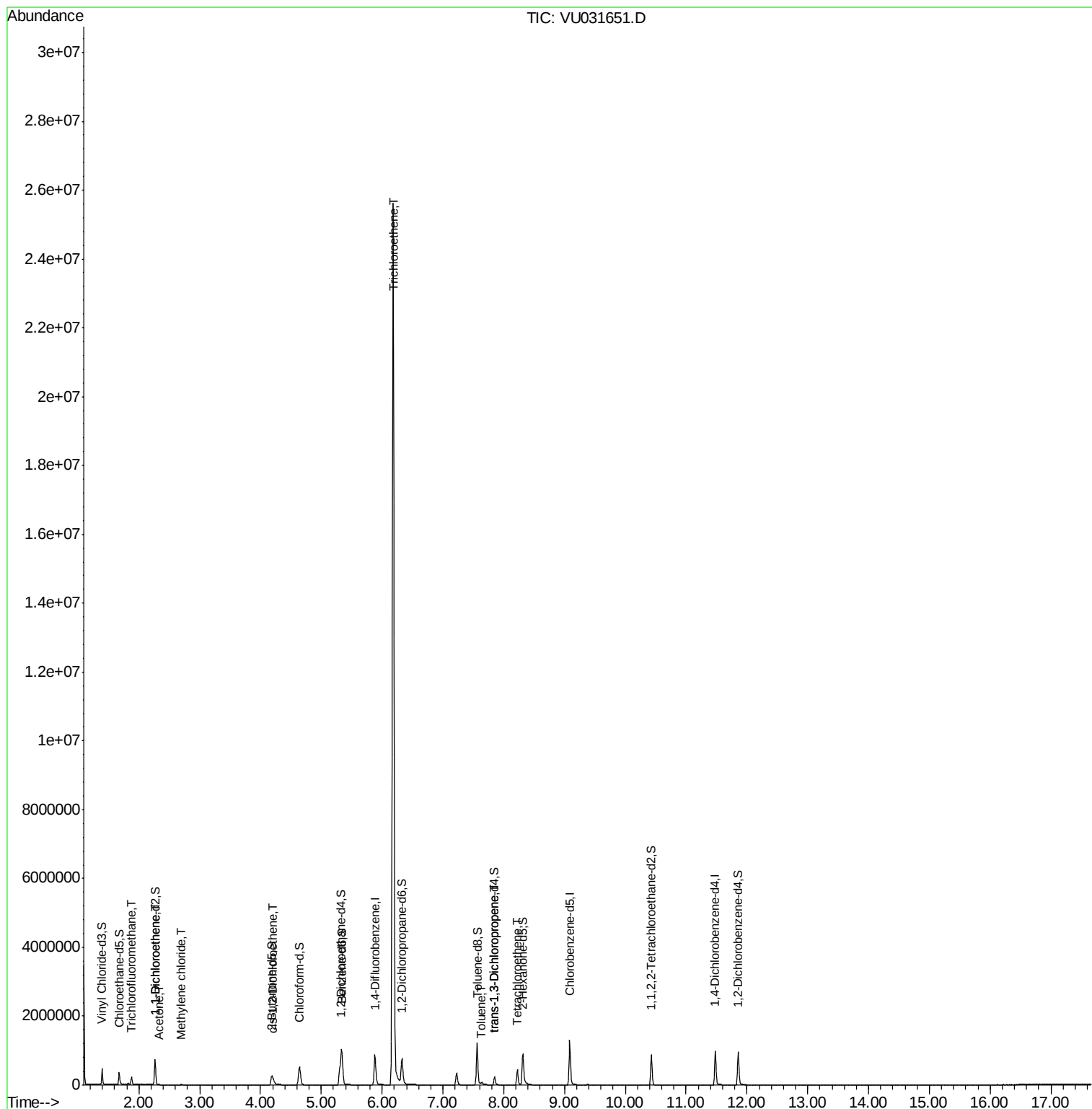
						Qvalue
9) Trichlorofluoromethane	1.88	101	127826	13.149	ug/L	98
12) 1,1-Dichloroethene	2.27	96	3157	0.590	ug/L #	1
13) Acetone	2.34	43	3059	0.522	ug/L	44
16) Methylene chloride	2.70	84	3786	0.600	ug/L	88
20) cis-1,2-Dichloroethene	4.22	96	4614	0.772	ug/L	96
34) Trichloroethene	6.18	95	9345779	1577.167	ug/L	93
42) Toluene	7.64	91	44279	1.818	ug/L	98
44) trans-1,3-Dichloropropene	7.85	75	5890	0.708	ug/L #	74
46) Tetrachloroethene	8.22	164	93220	23.076	ug/L	98

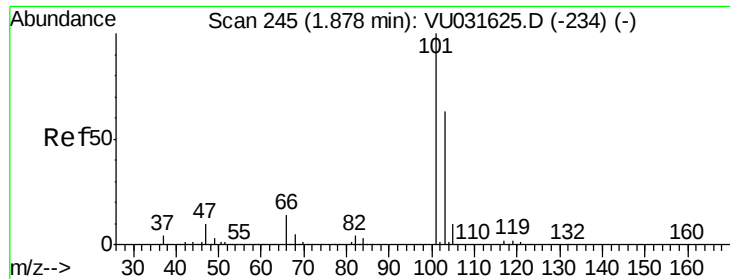
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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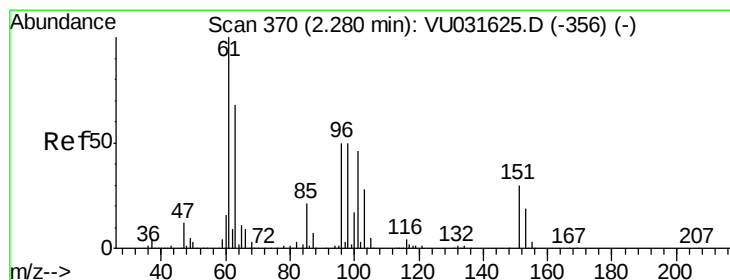
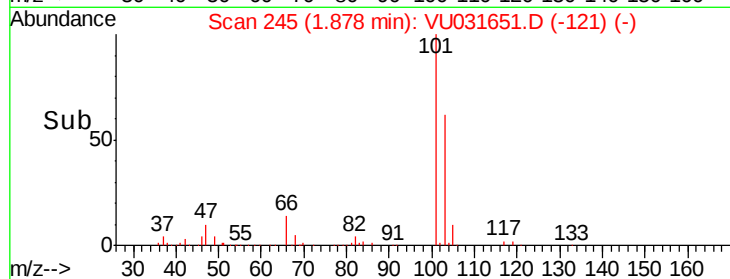
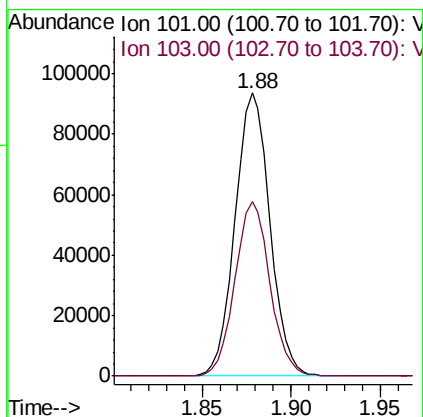
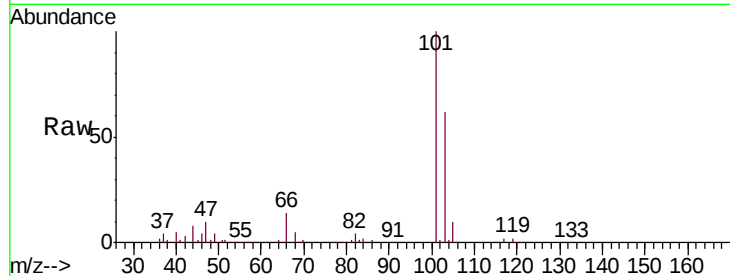


#9

Trichlorofluoromethane
Concen: 13.149 ug/L
RT: 1.88 min Scan# 245
Delta R.T. 0.00 min
Lab File: VU031651.D
Acq: 30 Apr 2019 21:55

Instrument :
MSVOA_U
ClientSampled :
C0XE0

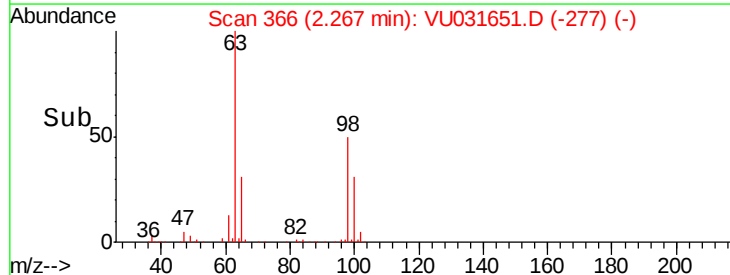
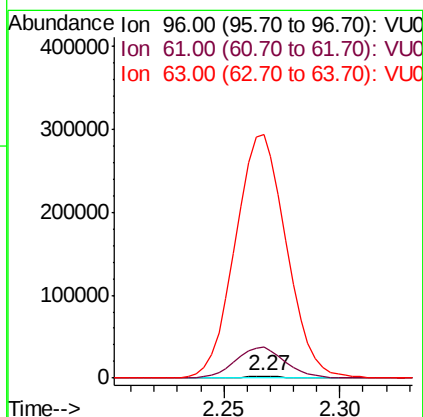
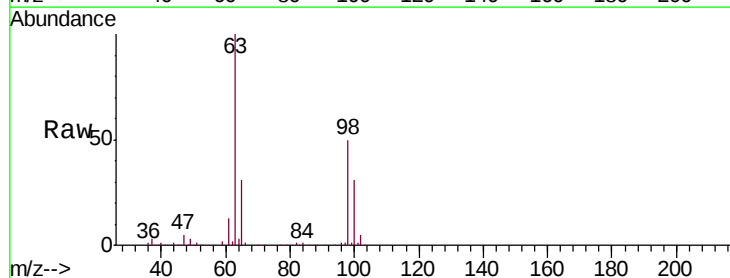
Tgt Ion: 101 Resp: 127826
Ion Ratio Lower Upper
101 100
103 61.9 50.8 76.2

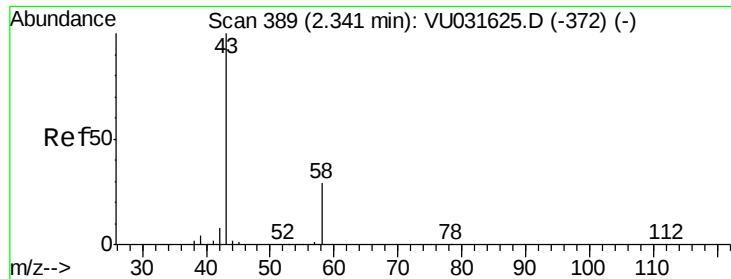


#12

1,1-Dichloroethene
Concen: 0.590 ug/L
RT: 2.27 min Scan# 366
Delta R.T. -0.01 min
Lab File: VU031651.D
Acq: 30 Apr 2019 21:55

Tgt Ion: 96 Resp: 3157
Ion Ratio Lower Upper
96 100
61 1718.7 135.0 250.6#
63 13695.5 103.5 192.3#





#13

Acetone

Concen: 0.522 ug/L

RT: 2.34 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU031651.D

Acq: 30 Apr 2019 21:55

Instrument :

MSVOA_U

ClientSampleId :

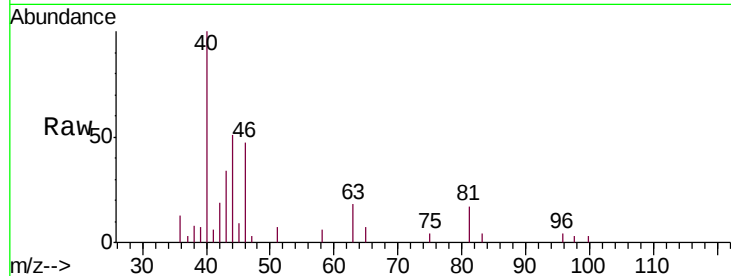
C0XE0

Tgt Ion: 43 Resp: 3059

Ion Ratio Lower Upper

43 100

58 0.8 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU031651.D (-372) (-)

Ion 58.00 (57.70 to 58.70): VU031651.D (-372) (-)

2.34

1500

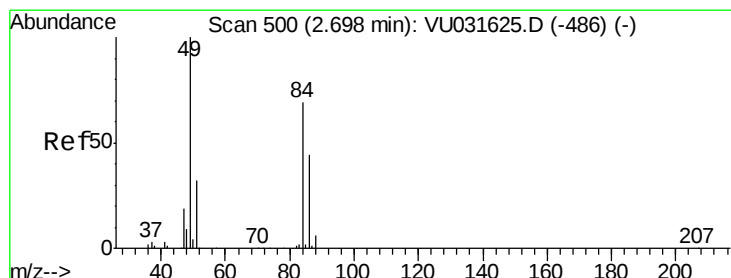
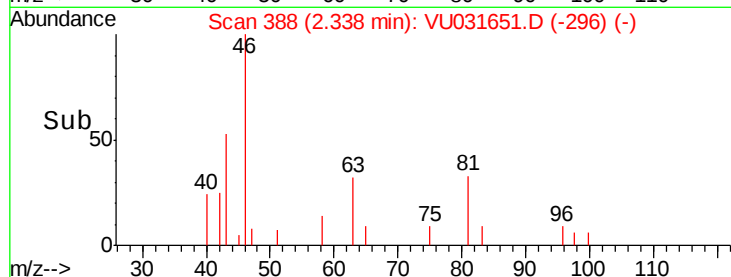
1000

500

0

2.30 2.35 2.40

Time-->



#16

Methylene chloride

Concen: 0.600 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU031651.D

Acq: 30 Apr 2019 21:55

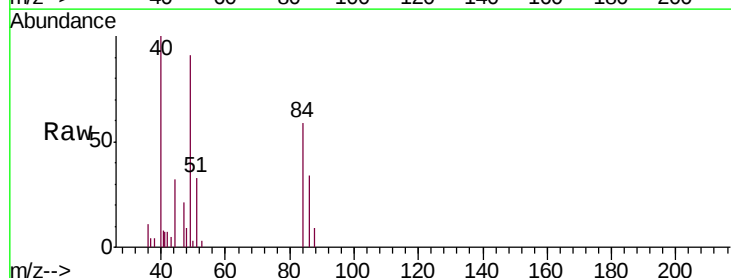
Tgt Ion: 84 Resp: 3786

Ion Ratio Lower Upper

84 100

86 58.1 44.7 83.1

49 155.8 96.5 179.3



Abundance Ion 84.00 (83.70 to 84.70): VU031651.D (-486) (-)

Ion 86.00 (85.70 to 86.70): VU031651.D (-486) (-)

Ion 49.00 (48.70 to 49.70): VU031651.D (-486) (-)

2.70

4000

3000

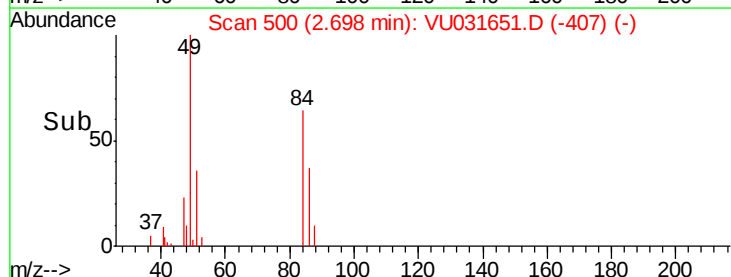
2000

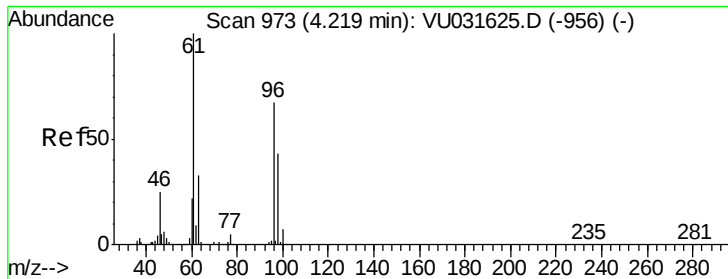
1000

0

2.65 2.70 2.75

Time-->



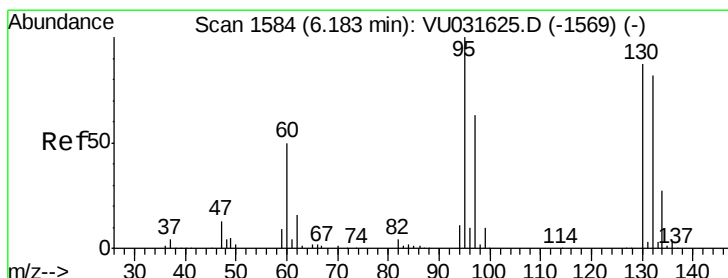
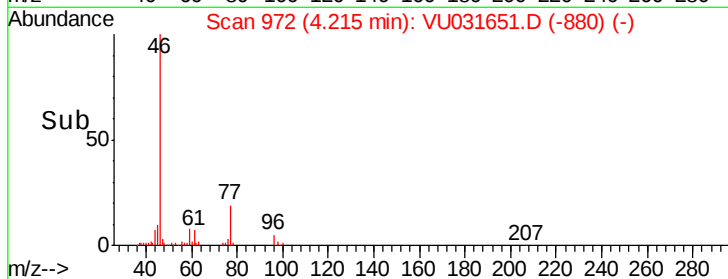
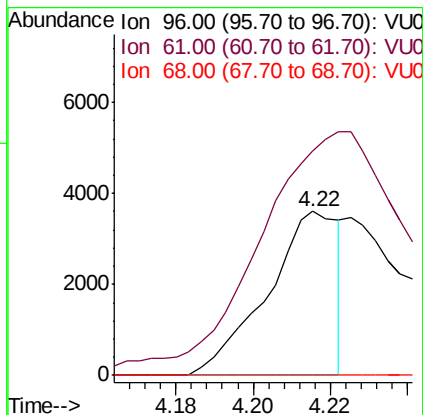
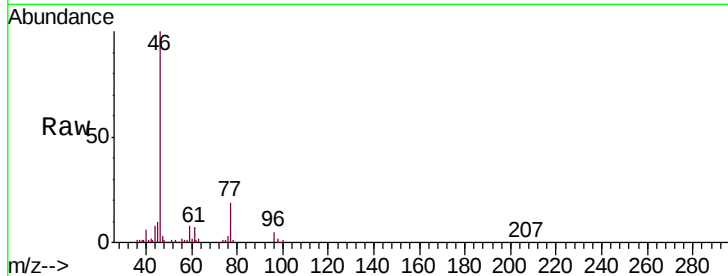


#20

cis-1,2-Dichloroethene
Concen: 0.772 ug/L
RT: 4.22 min Scan# 972
Delta R.T. -0.00 min
Lab File: VU031651.D
Acq: 30 Apr 2019 21:55

Instrument :
MSVOA_U
ClientSampled :
C0XE0

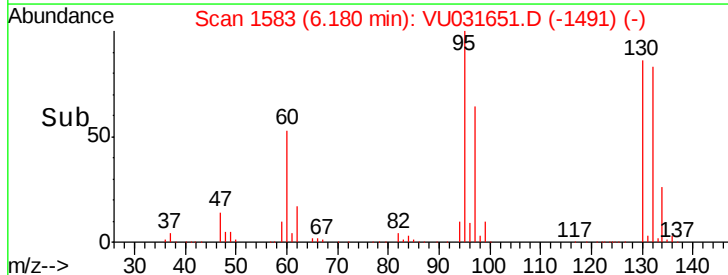
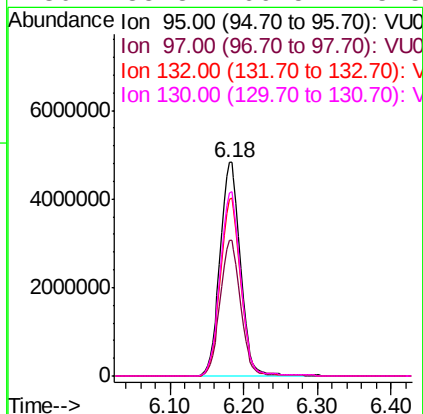
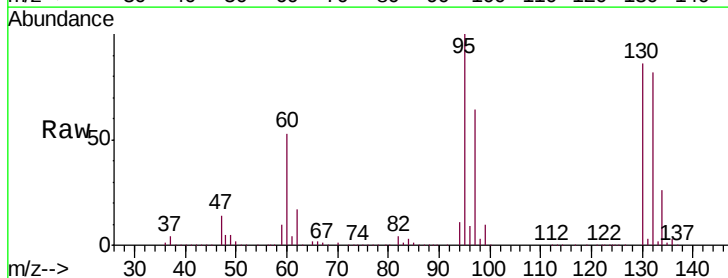
Tgt Ion: 96 Resp: 4614
Ion Ratio Lower Upper
96 100
61 137.1 99.5 184.7
68 0.0 0.0 0.0

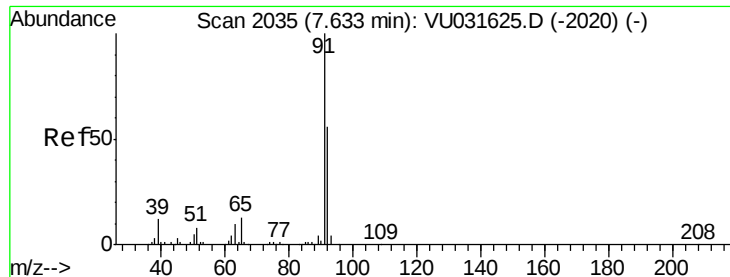


#34

Trichloroethene
Concen: 1577.167 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VU031651.D
Acq: 30 Apr 2019 21:55

Tgt Ion: 95 Resp: 9345779
Ion Ratio Lower Upper
95 100
97 63.7 44.8 83.2
132 82.4 63.1 117.1
130 85.8 66.5 123.5





#42

Toluene

Concen: 1.818 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU031651.D

Acq: 30 Apr 2019 21:55

Instrument :

MSVOA_U

ClientSampleId :

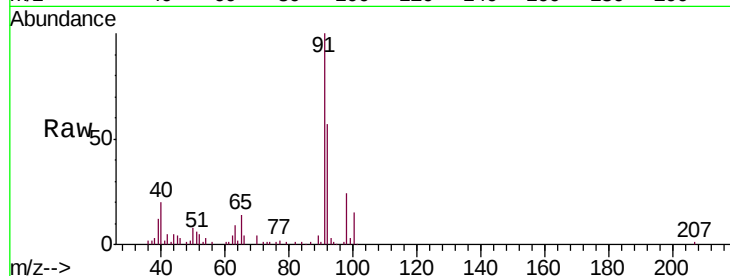
C0XE0

Tgt Ion: 91 Resp: 44279

Ion Ratio Lower Upper

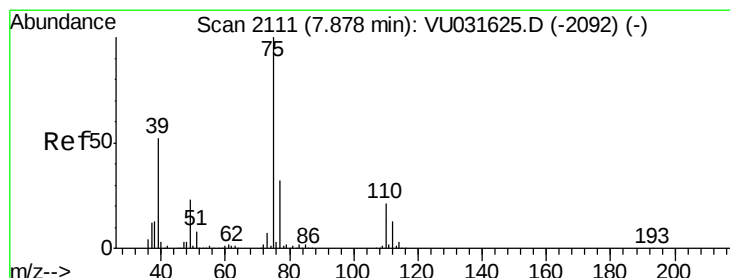
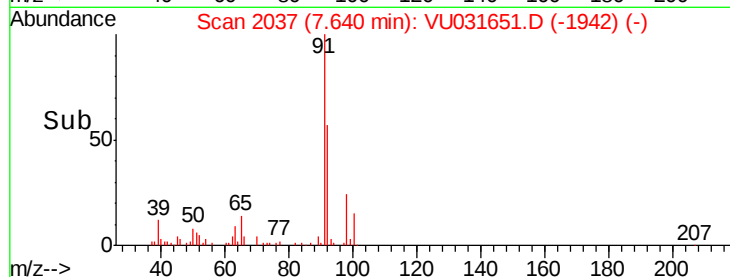
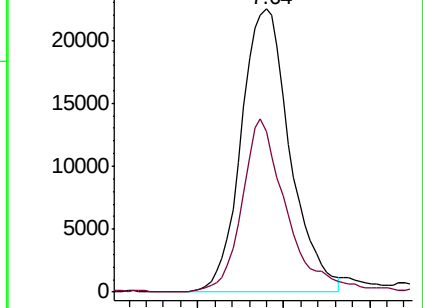
91 100

92 56.8 39.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VU031651.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU031651.D (-2020) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.708 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.03 min

Lab File: VU031651.D

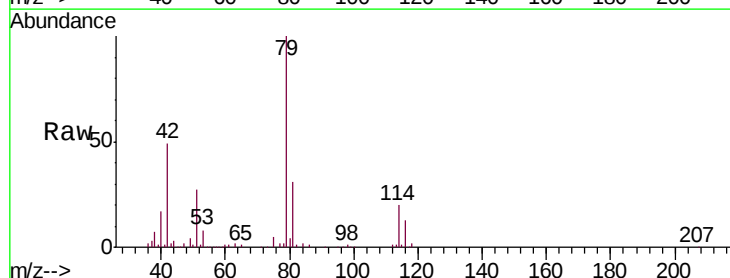
Acq: 30 Apr 2019 21:55

Tgt Ion: 75 Resp: 5890

Ion Ratio Lower Upper

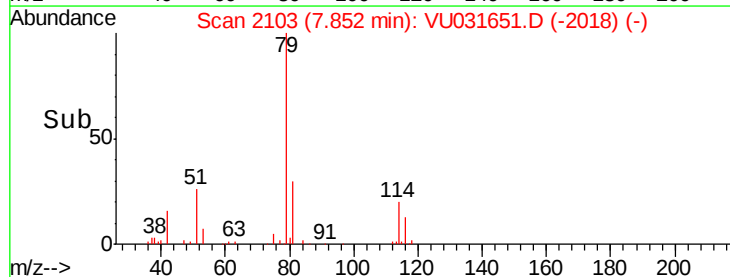
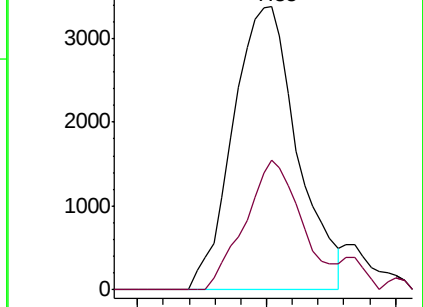
75 100

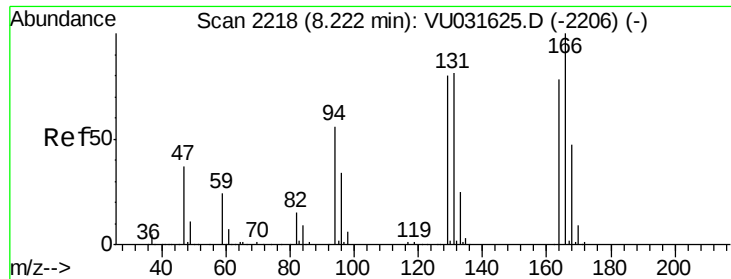
77 45.8 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU031651.D (-2018) (-)

Ion 77.00 (76.70 to 77.70): VU031651.D (-2018) (-)

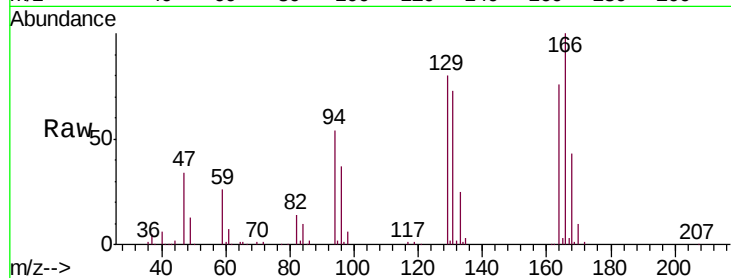




#46
 Tetrachloroethene
 Concen: 23.076 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU031651.D
 Acq: 30 Apr 2019 21:55

Instrument :
 MSVOA_U
 ClientSampleId :
 C0XE0

Tgt Ion:	164	Resp:	93220
Ion	Ratio	Lower	Upper
164	100		
129	106.2	71.5	132.9
131	96.7	69.0	128.2
166	132.4	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

