

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061719\
 Data File : VU032791.D
 Acq On : 17 Jun 2019 18:36
 Operator : JC/SP
 Sample : K3324-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JW6

Quant Time: Jun 18 04:31:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 18 02:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	224455	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	221247	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	110153	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	61521	40.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.22%
7) Chloroethane-d5	1.68	69	54093	44.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.44%
11) 1,1-Dichloroethene-d2	2.27	63	97030	31.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.80%
21) 2-Butanone-d5	4.17	46	143557	112.44	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.44%
24) Chloroform-d	4.64	84	136765	45.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.72%
26) 1,2-Dichloroethane-d4	5.30	65	95855	48.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.52%
32) Benzene-d6	5.33	84	261734	45.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.76%
36) 1,2-Dichloropropane-d6	6.32	67	87590	47.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.34%
41) Toluene-d8	7.56	98	238163	44.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.18%
43) trans-1,3-Dichloropropene-	7.84	79	41816	43.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.50%
47) 2-Hexanone-d5	8.31	63	107913	125.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	125.79%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	136842	48.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.36%
64) 1,2-Dichlorobenzene-d4	11.85	152	103552	48.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.16%

Target Compounds

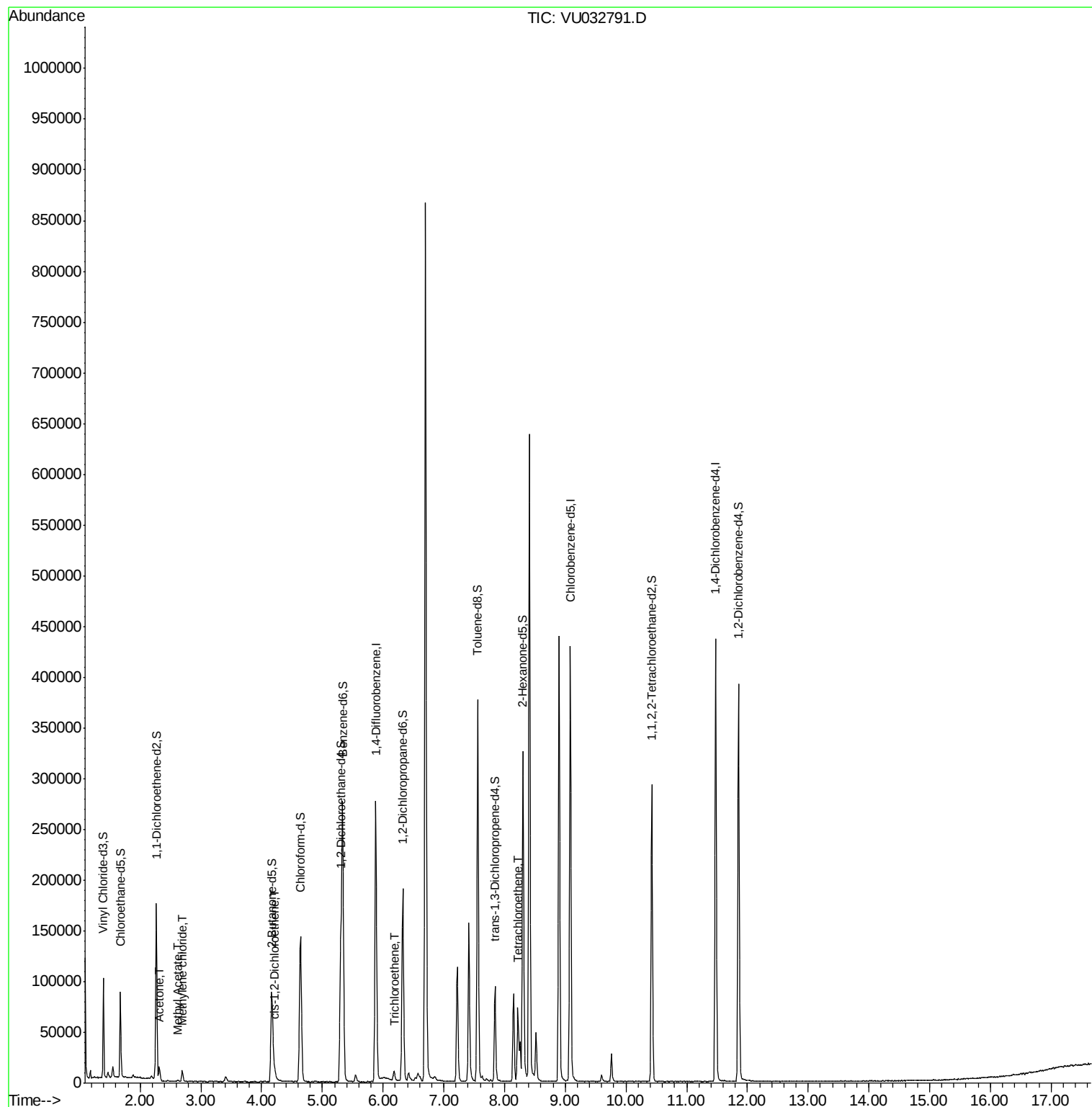
					Ovalue
13) Acetone	2.31	43	13540	7.678 ug/L	98
15) Methyl Acetate	2.62	43	2075	1.038 ug/L #	88
16) Methylene chloride	2.70	84	4417	2.663 ug/L	93
20) cis-1,2-Dichloroethene	4.22	96	2553	1.529 ug/L	83
34) Trichloroethene	6.18	95	3233	1.898 ug/L	88
46) Tetrachloroethene	8.22	164	14232	10.199 ug/L	95

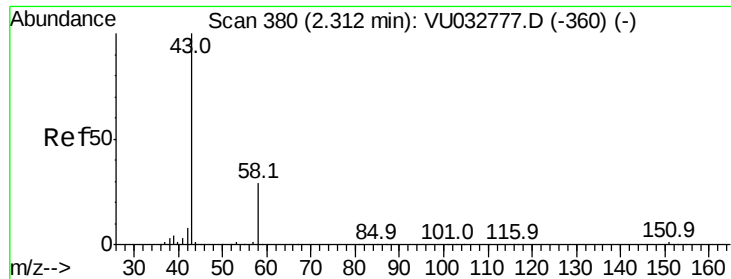
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 7.678 ug/L

RT: 2.31 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU032791.D

Acq: 17 Jun 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

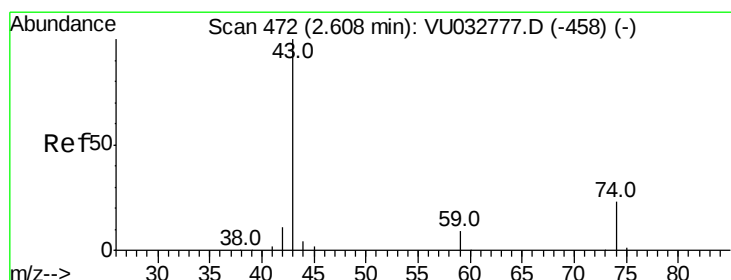
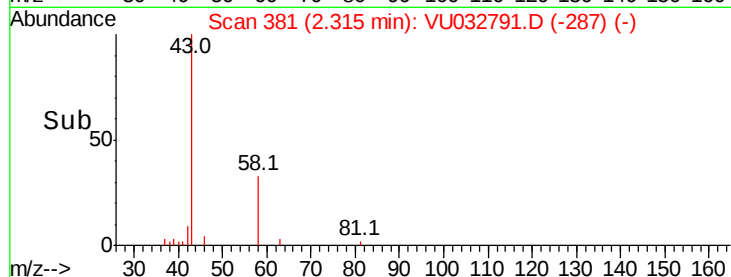
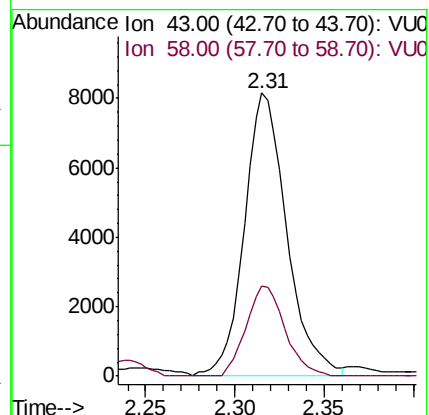
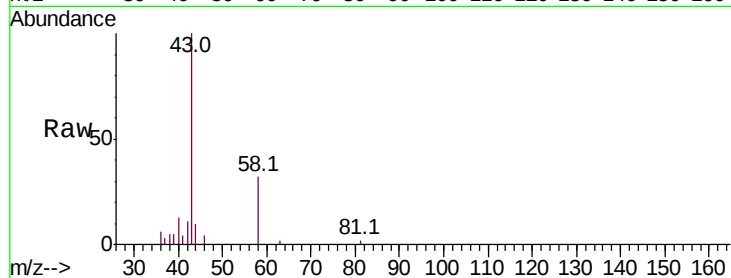
C0JW6

Tot Ion: 43 Resp: 13540

Ion Ratio Lower Upper

43 100

58 29.0 0.0 60.6



#15

Methyl Acetate

Concen: 1.038 ug/L

RT: 2.62 min Scan# 476

Delta R.T. 0.01 min

Lab File: VU032791.D

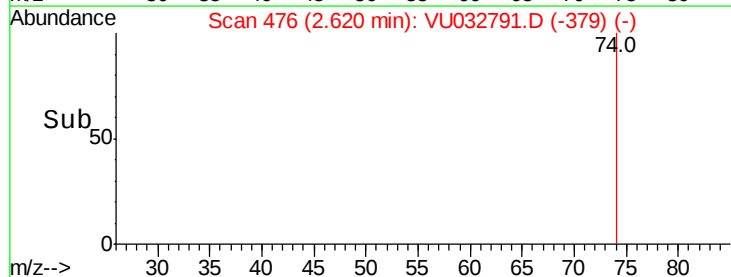
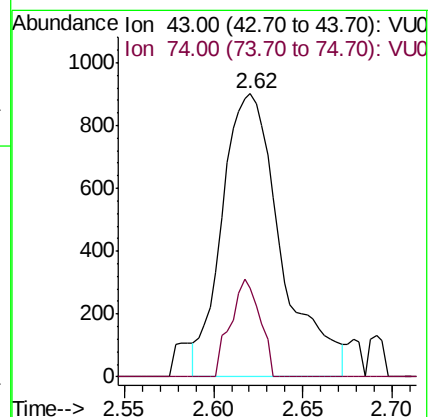
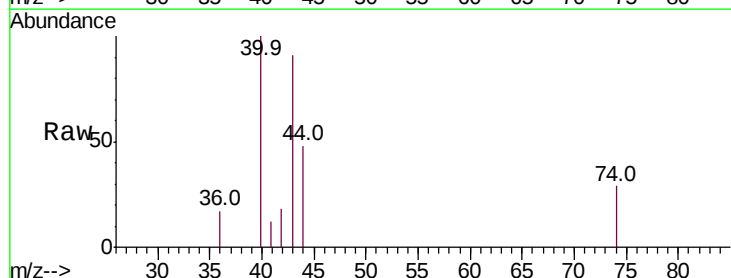
Acq: 17 Jun 2019 18:36

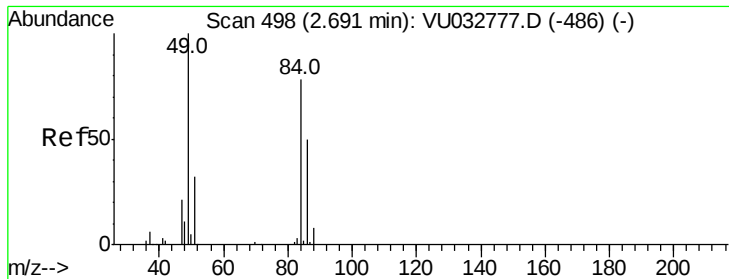
Tgt Ion: 43 Resp: 2075

Ion Ratio Lower Upper

43 100

74 17.0 18.1 27.1#

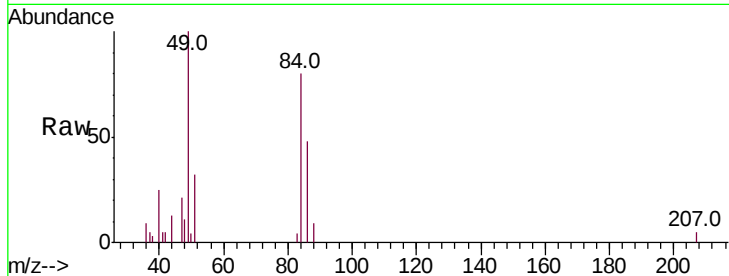




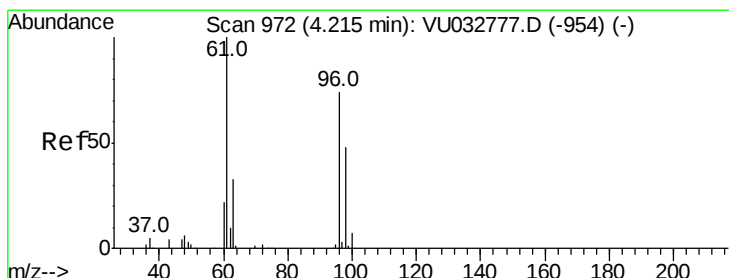
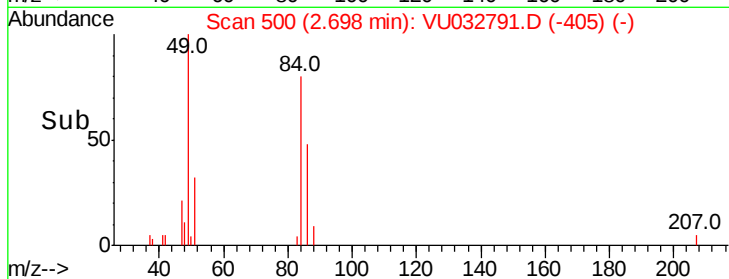
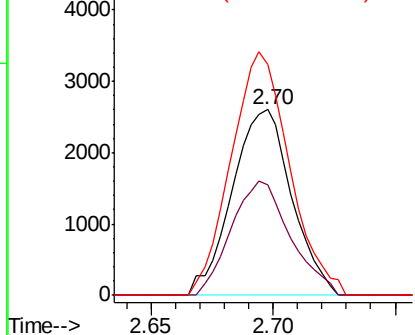
#16
Methvlene chloride
Concen: 2.663 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.01 min
Lab File: VU032791.D
Acq: 17 Jun 2019 18:36

Instrument :
MSVOA_U
ClientSampleId :
C0JW6

Tot Ion: 84 Resp: 4417
Ion Ratio Lower Upper
84 100
86 59.1 45.5 84.5
49 124.4 92.1 171.1

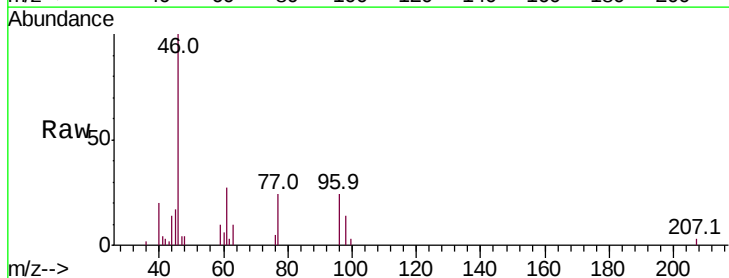


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

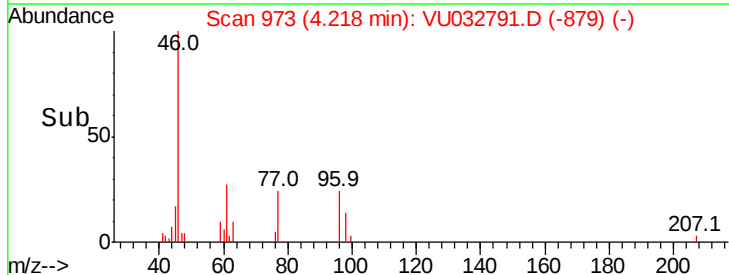
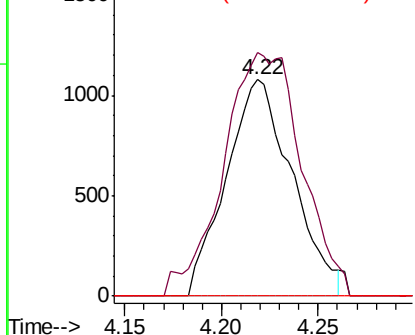


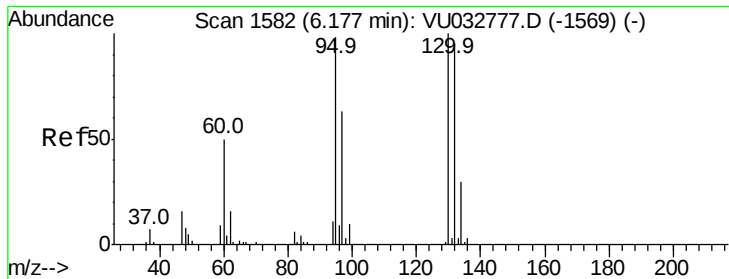
#20
cis-1,2-Dichloroethene
Concen: 1.529 ug/L
RT: 4.22 min Scan# 973
Delta R.T. 0.00 min
Lab File: VU032791.D
Acq: 17 Jun 2019 18:36

Tgt Ion: 96 Resp: 2553
Ion Ratio Lower Upper
96 100
61 112.5 92.4 171.6
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





#34

Trichloroethene

Concen: 1.898 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VU032791.D

Acq: 17 Jun 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

C0JW6

Tot Ion: 95 Resp: 3233

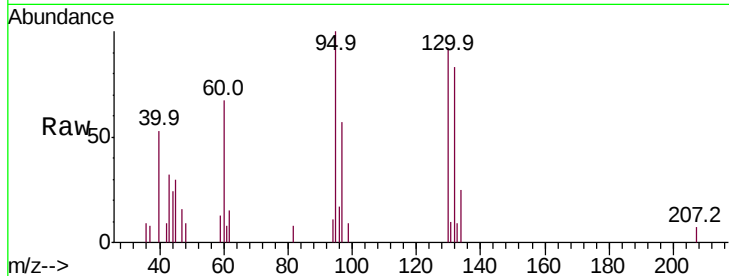
Ion Ratio Lower Upper

95 100

97 57.2 45.9 85.3

132 83.1 68.5 127.3

130 92.2 70.8 131.4

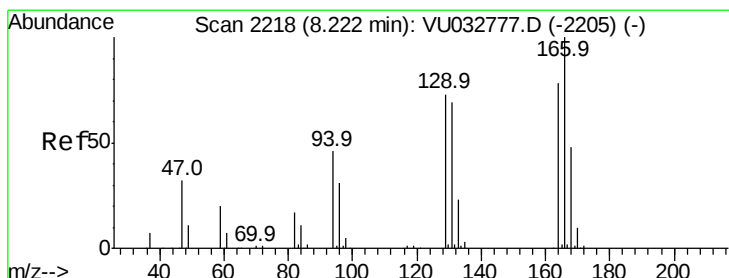
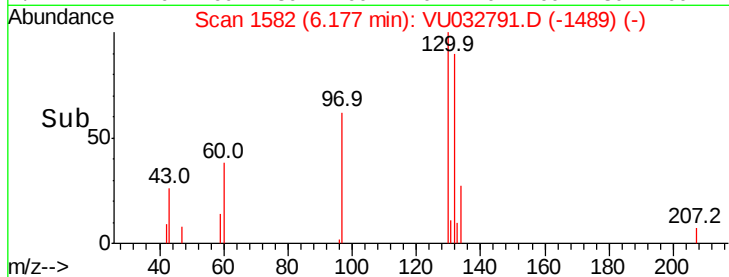
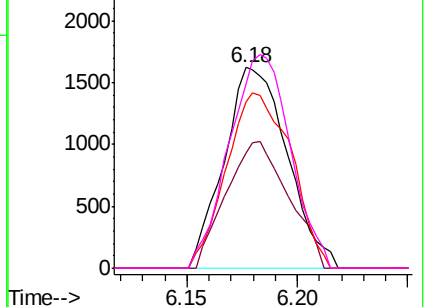


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#46

Tetrachloroethene

Concen: 10.199 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU032791.D

Acq: 17 Jun 2019 18:36

Tgt Ion:164 Resp: 14232

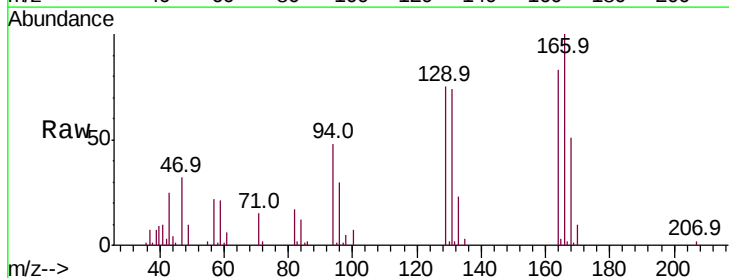
Ion Ratio Lower Upper

164 100

129 90.0 64.8 120.3

131 89.3 64.5 119.7

166 120.4 91.3 169.6



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

