

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042919\
 Data File : VU031618.D
 Acq On : 30 Apr 2019 04:19
 Operator : JC/SP
 Sample : K2593-06 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0XD8

Quant Time: Apr 30 05:47:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 30 04:50:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	637716	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	643331	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	238865	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	328596	61.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	123.14%
7) Chloroethane-d5	1.68	69	243364	59.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	118.00%
11) 1,1-Dichloroethene-d2	2.27	63	459721	43.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.50%
21) 2-Butanone-d5	4.19	46	561047	116.02	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.02%
24) Chloroform-d	4.64	84	516275	52.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.64%
26) 1,2-Dichloroethane-d4	5.31	65	349720	54.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.52%
32) Benzene-d6	5.34	84	997047	50.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.94%
36) 1,2-Dichloropropane-d6	6.33	67	365635	52.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.22%
41) Toluene-d8	7.56	98	838326	48.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.44%
43) trans-1,3-Dichloropropene-	7.85	79	138499	46.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.84%
47) 2-Hexanone-d5	8.31	63	314565	104.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.57%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	444968	47.70	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	248424	49.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.90%

Target Compounds

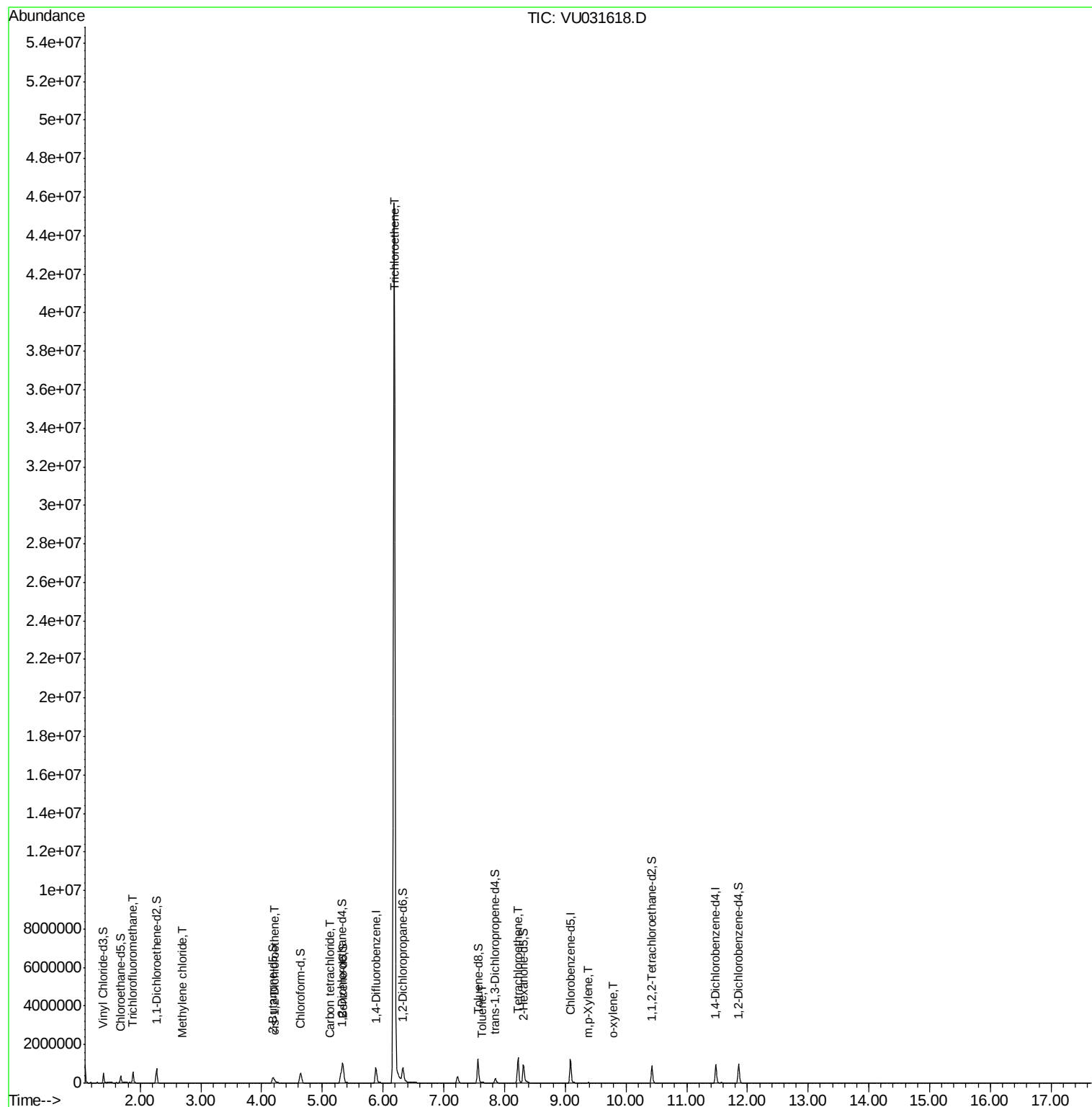
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.88	101	339651	37.561	ug/L	98
16) Methylene chloride	2.70	84	3260	0.555	ug/L #	82
20) cis-1,2-Dichloroethene	4.22	96	9056	1.628	ug/L	88
31) Carbon tetrachloride	5.13	117	9644	1.252	ug/L #	51
34) Trichloroethene	6.18	95	16565732	2889.292	ug/L	95
42) Toluene	7.64	91	19520	0.828	ug/L	98
46) Tetrachloroethene	8.22	164	278828	71.335	ug/L	96
53) m,p-Xylene	9.38	106	6098	0.716	ug/L	75
54) o-xylene	9.78	106	4738	0.561	ug/L	88

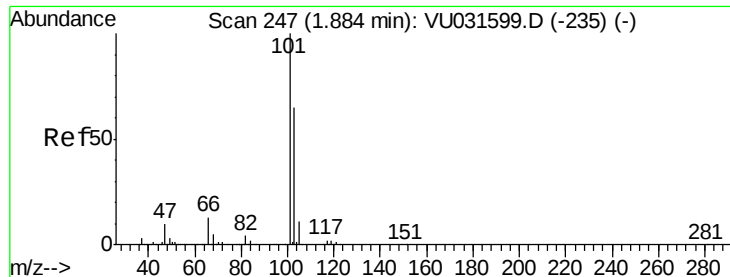
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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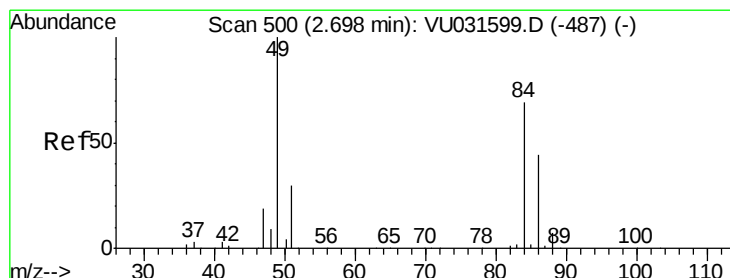
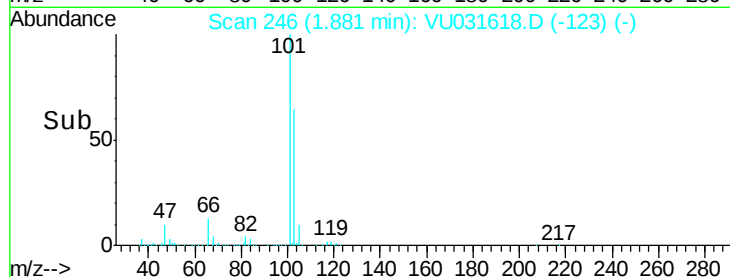
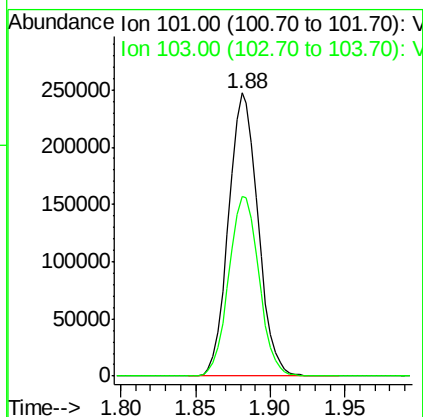
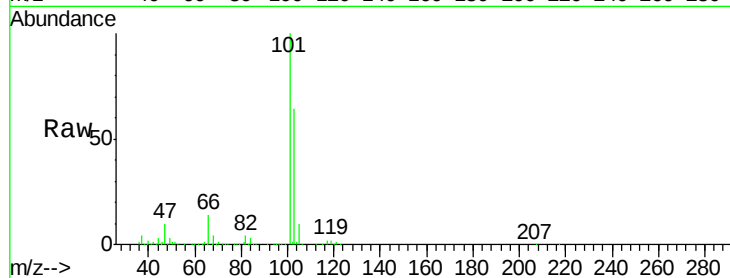


#9

Trichlorofluoromethane
 Concen: 37.561 ug/L
 RT: 1.88 min Scan# 246
 Delta R.T. -0.00 min
 Lab File: VU031618.D
 Acq: 30 Apr 2019 04:19

Instrument :
 MSVOA_U
 ClientSampleId :
 C0XD8

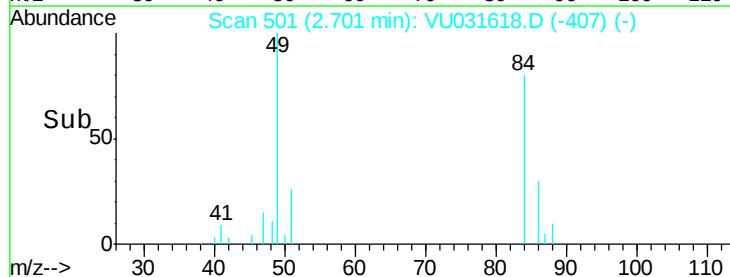
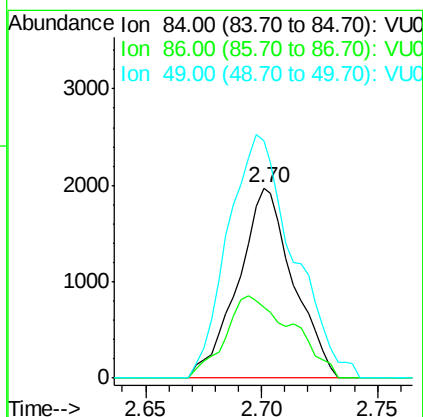
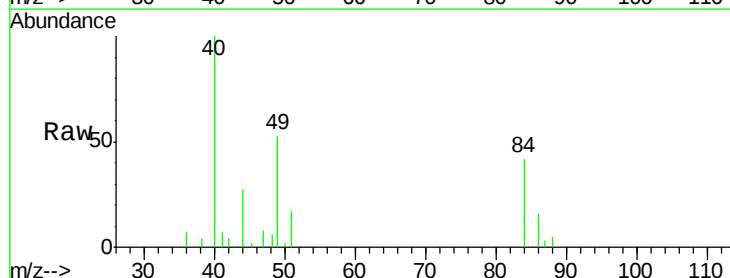
Tot Ion:101 Resp: 339651
 Ion Ratio Lower Upper
 101 100
 103 65.3 50.8 76.2

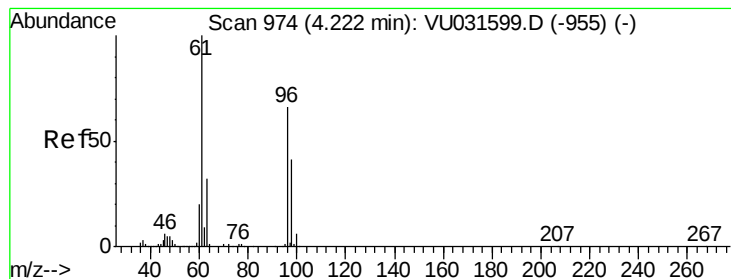


#16

Methylene chloride
 Concen: 0.555 ug/L
 RT: 2.70 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VU031618.D
 Acq: 30 Apr 2019 04:19

Tgt Ion: 84 Resp: 3260
 Ion Ratio Lower Upper
 84 100
 86 37.4 44.7 83.1#
 49 124.6 96.5 179.3





#20

cis-1,2-Dichloroethene

Concen: 1.628 ug/L

RT: 4.22 min Scan# 974

Delta R.T. -0.00 min

Lab File: VU031618.D

Acq: 30 Apr 2019 04:19

Instrument :

MSVOA_U

ClientSampled :

C0XD8

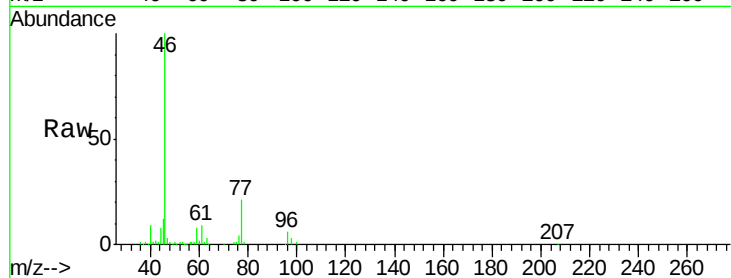
Tot Ion: 96 Resp: 9056

Ion Ratio Lower Upper

96 100

61 156.4 99.5 184.7

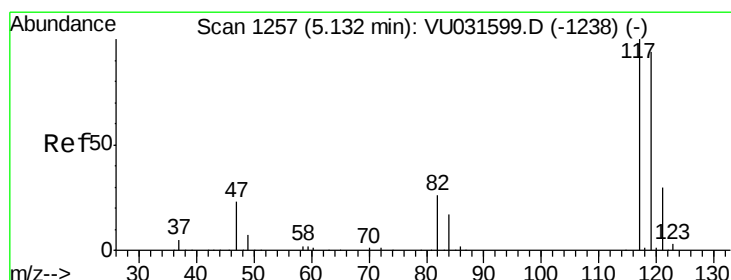
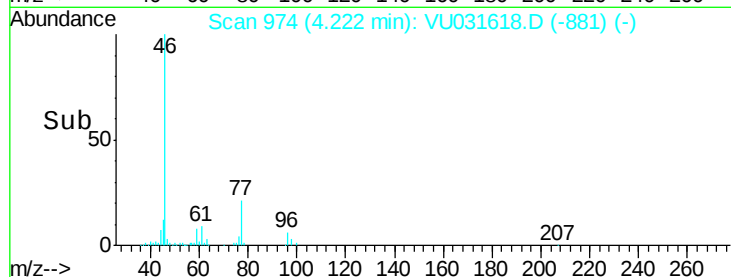
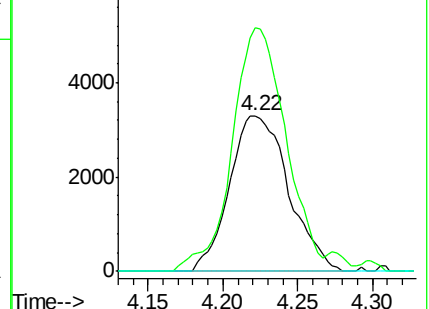
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU031599.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU031599.D (-955) (-)

Ion 68.00 (67.70 to 68.70): VU031599.D (-955) (-)



#31

Carbon tetrachloride

Concen: 1.252 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU031618.D

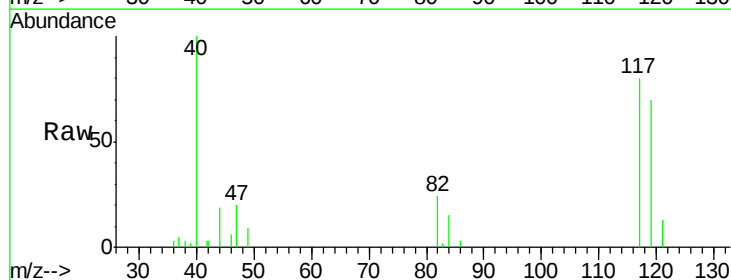
Acq: 30 Apr 2019 04:19

Tgt Ion: 117 Resp: 9644

Ion Ratio Lower Upper

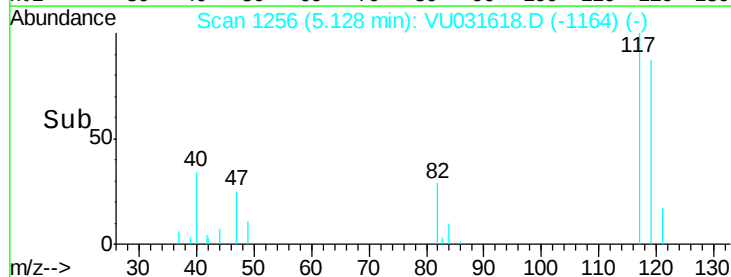
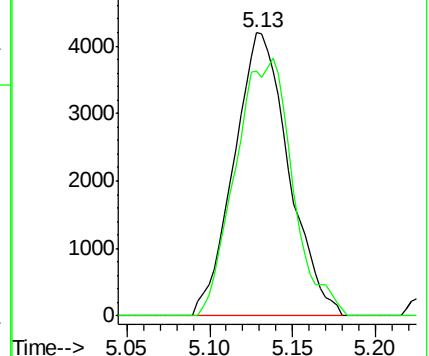
117 100

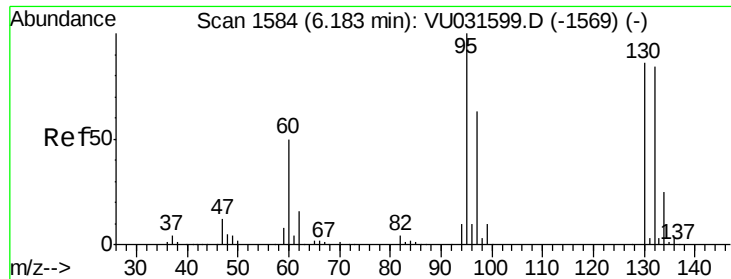
119 48.1 76.6 114.8#



Abundance Ion 117.00 (116.70 to 117.70): VU031599.D (-1238) (-)

Ion 119.00 (118.70 to 119.70): VU031599.D (-1238) (-)



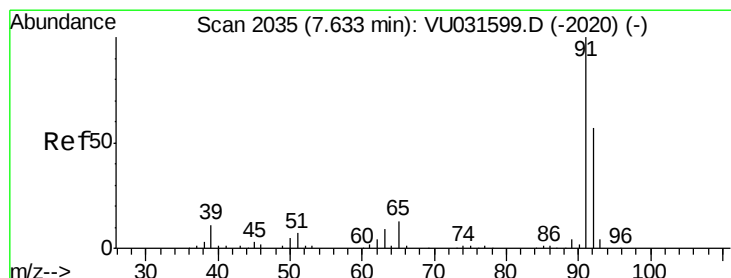
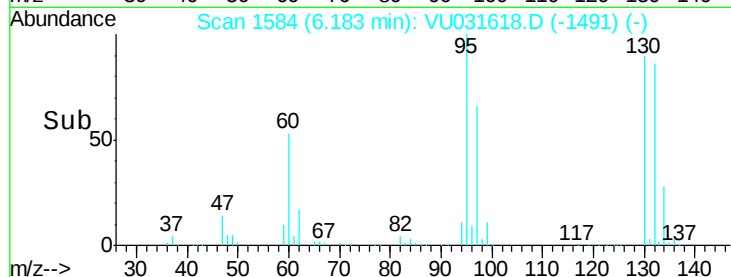
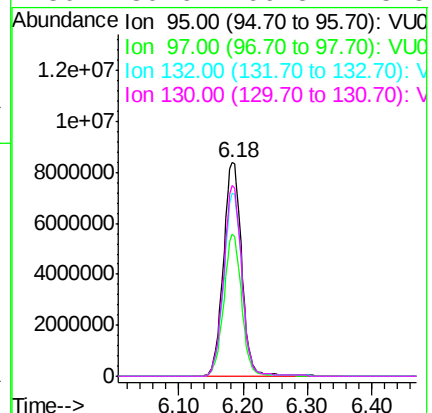
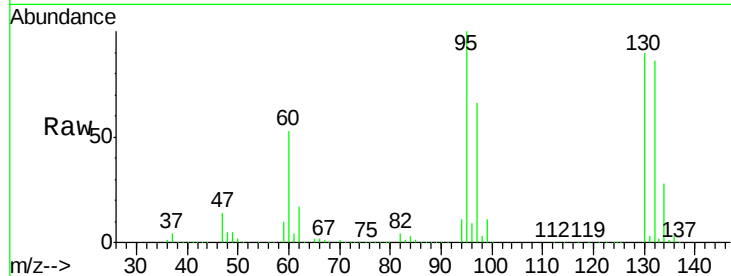


#34
 Trichloroethene
 Concen: 2889.292 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VU031618.D
 Acq: 30 Apr 2019 04:19

Instrument :
 MSVOA_U
 ClientSampleId :
 C0XD8

Tot Ion: 95 Resp:16565732

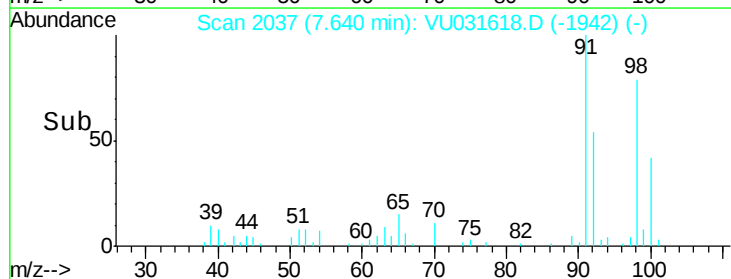
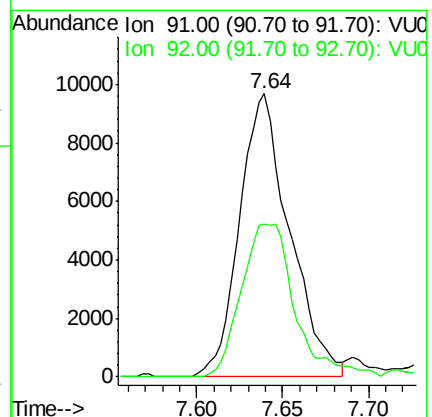
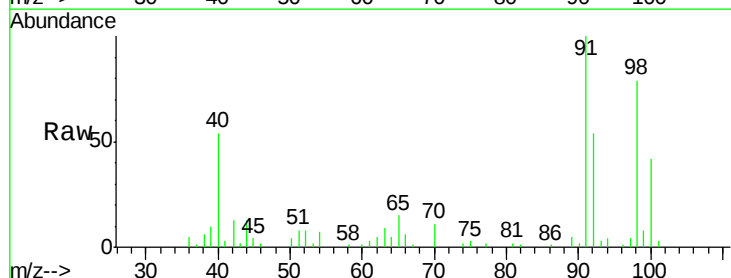
Ion	Ratio	Lower	Upper
95	100		
97	66.4	44.8	83.2
132	85.9	63.1	117.1
130	89.6	66.5	123.5

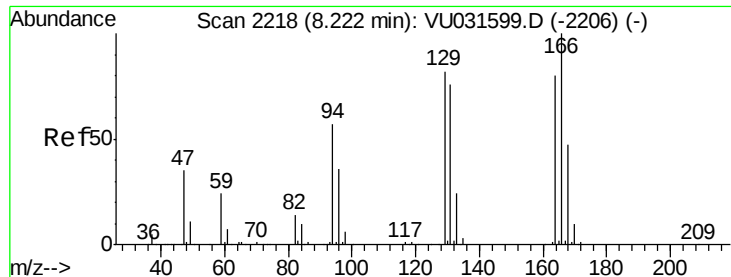


#42
 Toluene
 Concen: 0.828 ug/L
 RT: 7.64 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VU031618.D
 Acq: 30 Apr 2019 04:19

Tgt Ion: 91 Resp: 19520

Ion	Ratio	Lower	Upper
91	100		
92	54.0	39.0	72.4

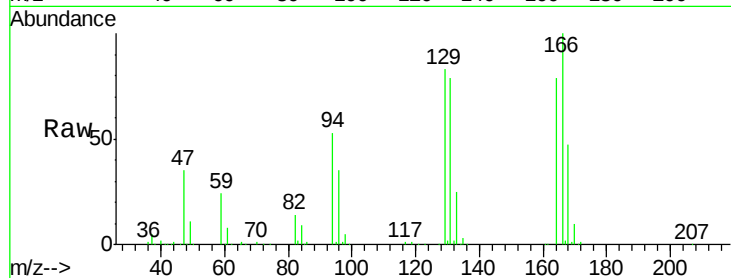




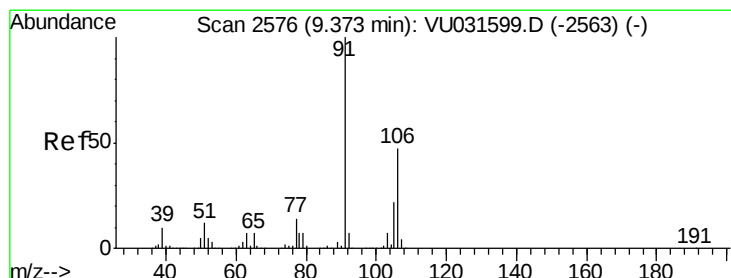
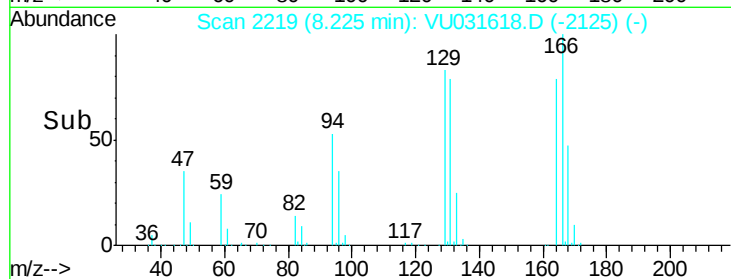
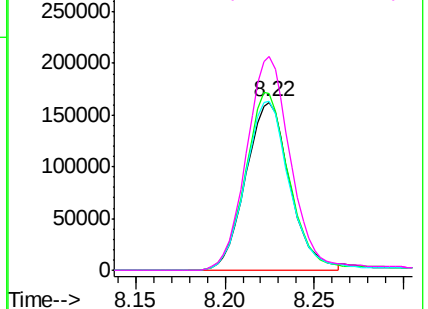
#46
Tetrachloroethene
Concen: 71.335 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU031618.D
Acq: 30 Apr 2019 04:19

Instrument :
MSVOA_U
ClientSampleId :
C0XD8

Tot Ion:164 Resp: 278828
Ion Ratio Lower Upper
164 100
129 105.3 71.5 132.9
131 100.4 69.0 128.2
166 127.1 93.7 173.9

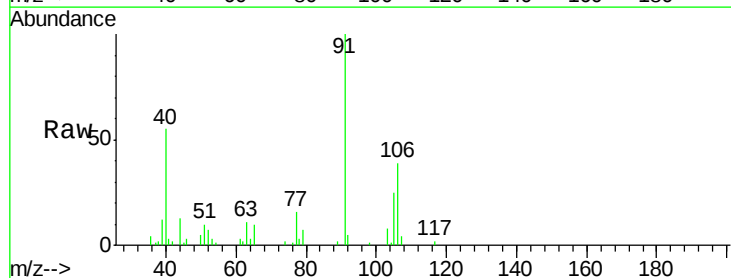


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

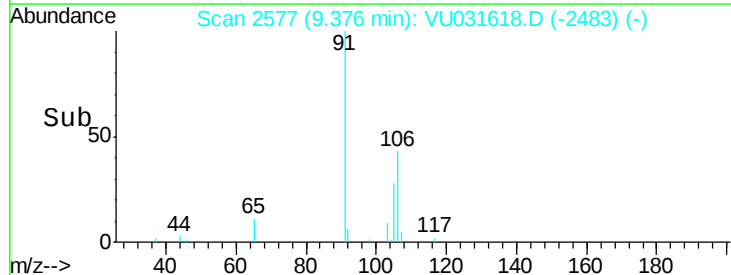
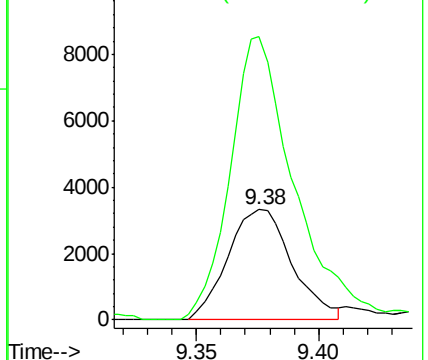


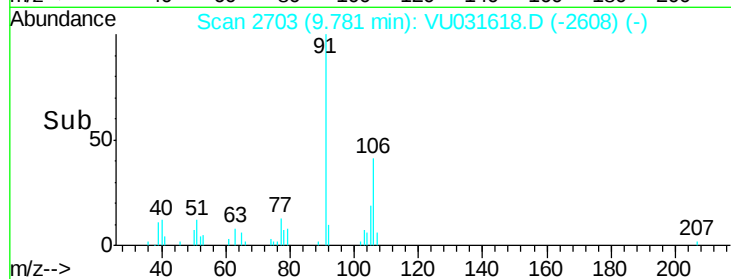
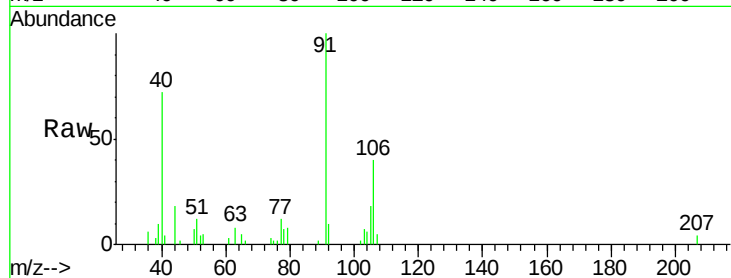
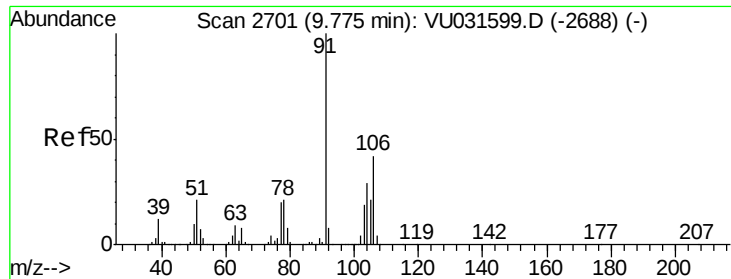
#53
m,p-Xylene
Concen: 0.716 ug/L
RT: 9.38 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VU031618.D
Acq: 30 Apr 2019 04:19

Tgt Ion:106 Resp: 6098
Ion Ratio Lower Upper
106 100
91 256.9 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V





#54
o-xylene
Concen: 0.561 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. 0.01 min
Lab File: VU031618.D
Acq: 30 Apr 2019 04:19

Instrument :
MSVOA_U
ClientSampleId :
C0XD8

Tot Ion:106 Resp: 4738
Ion Ratio Lower Upper
106 100
91 253.1 163.2 303.2

