

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042319\
 Data File : VU031410.D
 Acq On : 22 Apr 2019 23:39
 Operator : JC/SP
 Sample : K2477-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X35

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 11:35:34 AM

Quant Time: Apr 23 04:56:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 23 04:02:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	622649	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	591229	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	277274	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	271529	53.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.64%
7) Chloroethane-d5	1.68	69	214691	55.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.78%
11) 1,1-Dichloroethene-d2	2.27	63	385667	43.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.88%
21) 2-Butanone-d5	4.19	46	440781	116.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.85%
24) Chloroform-d	4.64	84	429510	53.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.84%
26) 1,2-Dichloroethane-d4	5.31	65	249587	51.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.64%
32) Benzene-d6	5.34	84	894885	52.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.80%
36) 1,2-Dichloropropane-d6	6.33	67	290253	52.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.62%
41) Toluene-d8	7.56	98	873449	57.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.52%
43) trans-1,3-Dichloropropene-	7.85	79	143398	57.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	114.52%
47) 2-Hexanone-d5	8.31	63	302132	109.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.72%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	385730	51.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.48%
64) 1,2-Dichlorobenzene-d4	11.86	152	292844	51.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.34%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.88	101	1635842	246.108	ug/L	100
13) Acetone	2.34	43	6011m	2.030	ug/L	
16) Methylene chloride	2.69	84	4354m	1.008	ug/L	
17) trans-1,2-Dichloroethene	2.98	96	10340	2.643	ug/L	87
20) cis-1,2-Dichloroethene	4.22	96	138138	31.120	ug/L	95
31) Carbon tetrachloride	5.13	117	25015	4.635	ug/L	98
34) Trichloroethene	6.17	95	32974099m	7276.912	ug/L	
42) Toluene	7.64	91	7254	0.409	ug/L	94
45) 1,1,2-Trichloroethane	8.07	97	12324	2.944	ug/L	90
46) Tetrachloroethene	8.23	164	2857665	889.202	ug/L	98
51) Chlorobenzene	9.12	112	12983	1.178	ug/L	96

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

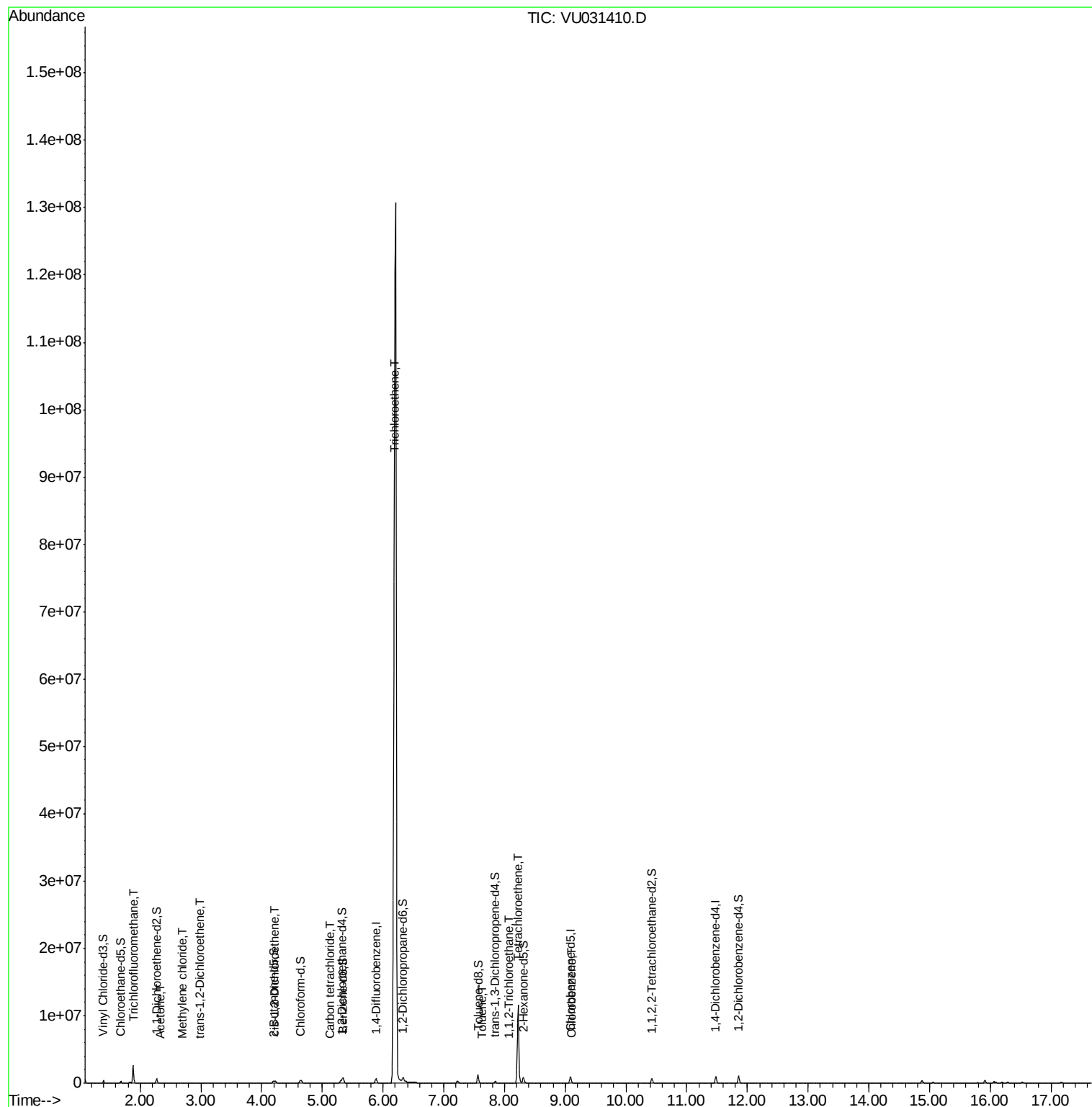
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031410.D
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Operator : JC/SP
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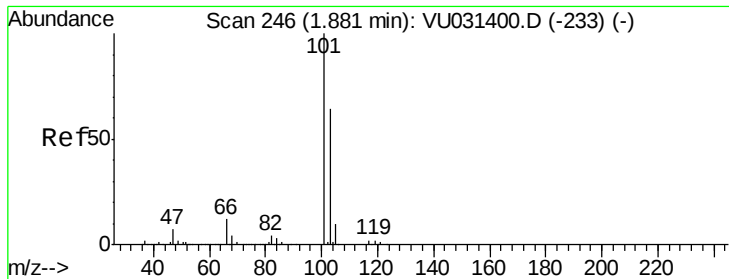
Instrument :
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Quant Title : VOC Analysis
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Response via : Initial Calibration





#9

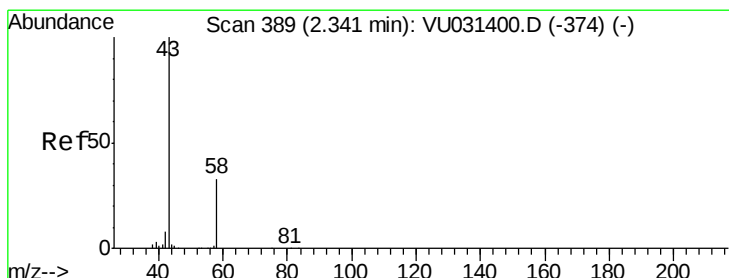
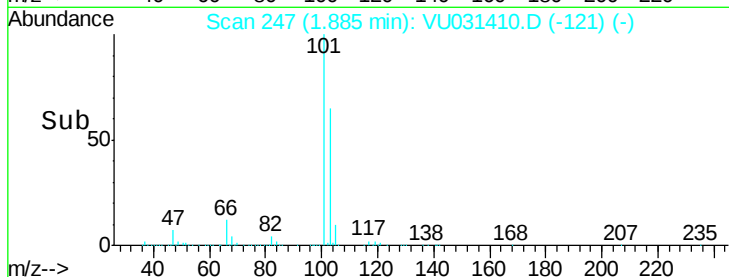
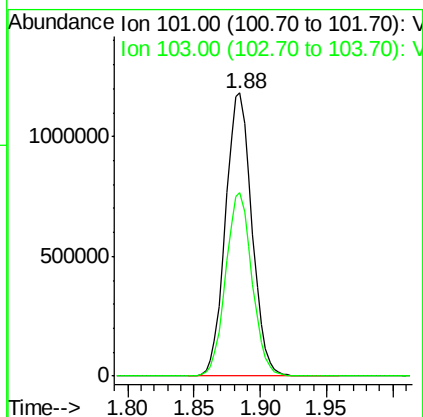
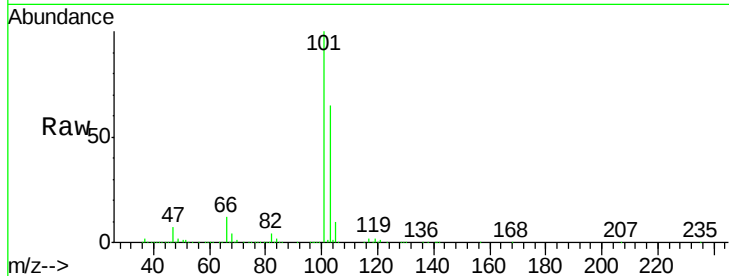
Trichlorofluoromethane
Concen: 246.108 ug/L
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU031410.D
Acq: 22 Apr 2019 23:39

Instrument :
MSVOA_U
ClientSampled :
C0X35

Tot Ion:101 Resp: 1635842
Ion Ratio Lower Upper
101 100
103 64.4 51.4 77.2

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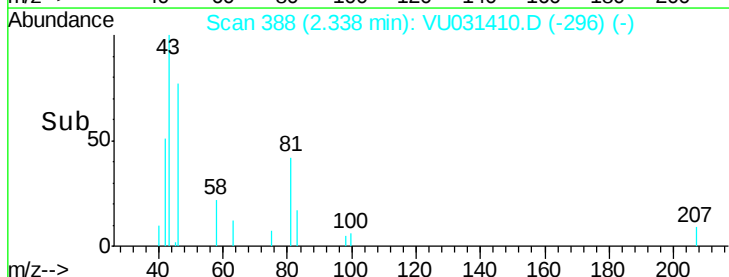
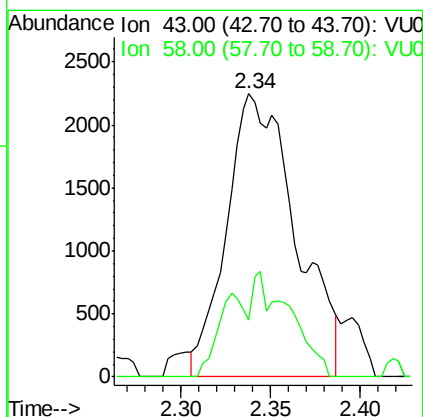
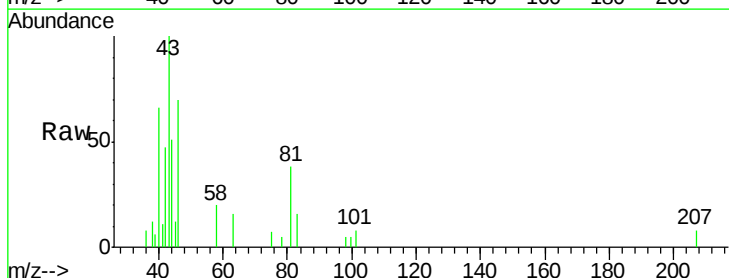
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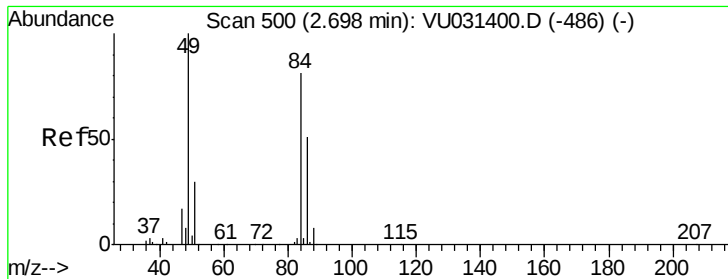


#13

Acetone
Concen: 2.030 ug/L m
RT: 2.34 min Scan# 388
Delta R.T. -0.00 min
Lab File: VU031410.D
Acq: 22 Apr 2019 23:39

Tgt Ion: 43 Resp: 6011
Ion Ratio Lower Upper
43 100
58 6.9 0.0 66.4





#16

Methvlene chloride

Concen: 1.008 ug/L m

RT: 2.69 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU031410.D

Acq: 22 Apr 2019 23:39

Instrument :

MSVOA_U

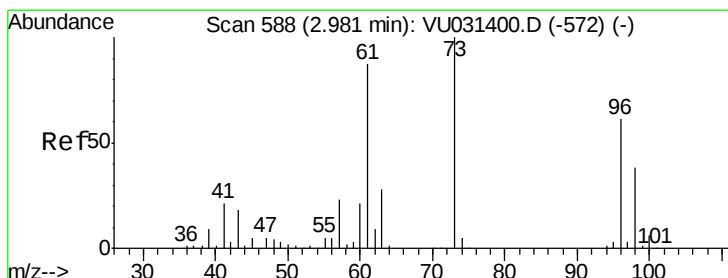
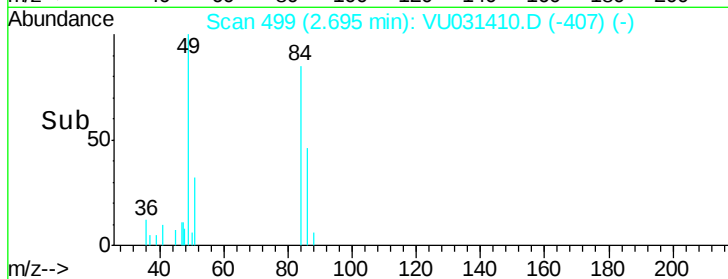
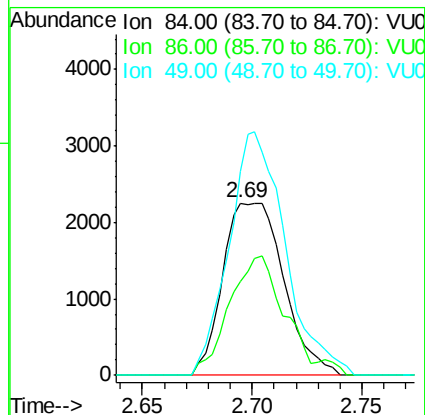
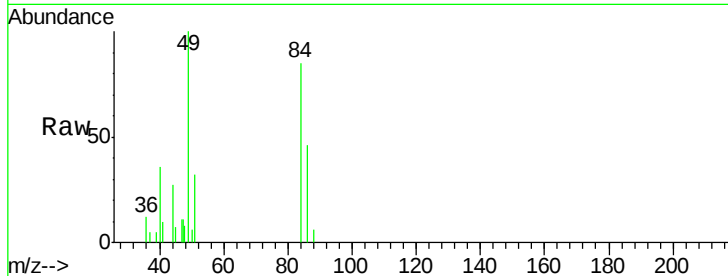
ClientSampleId :

C0X35

Tot Ion	Ratio	Lower	Upper
84	100		
86	54.1	44.4	82.5
49	117.9	86.7	161.1

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#17

trans-1,2-Dichloroethene

Concen: 2.643 ug/L

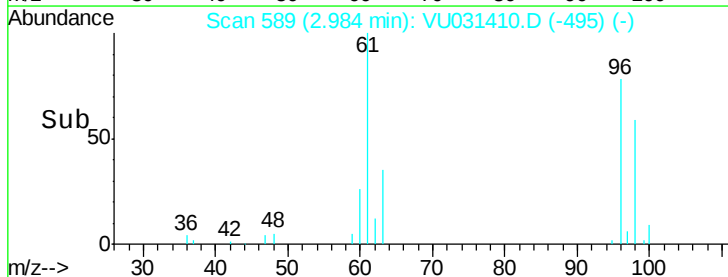
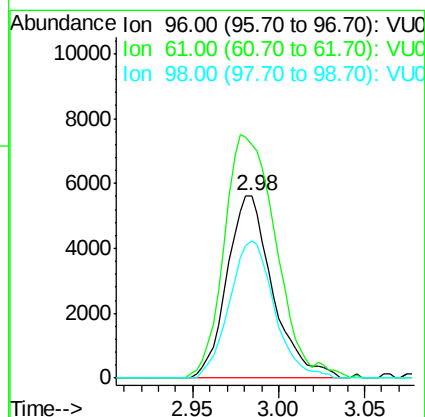
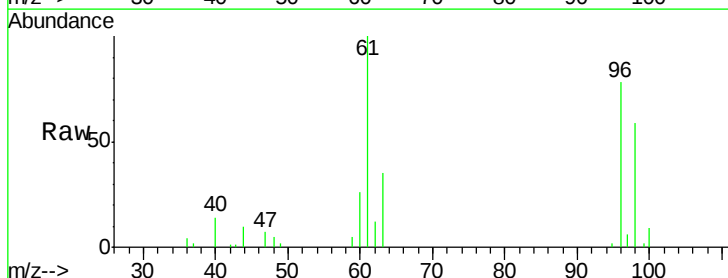
RT: 2.98 min Scan# 589

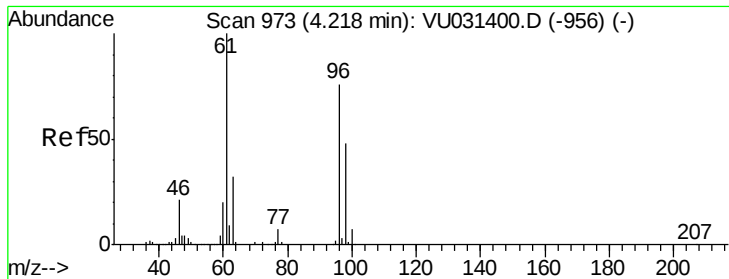
Delta R.T. 0.00 min

Lab File: VU031410.D

Acq: 22 Apr 2019 23:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.1	100.3	186.3
98	75.3	44.0	81.6





#20

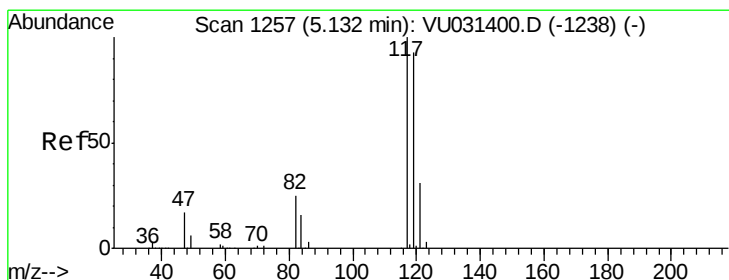
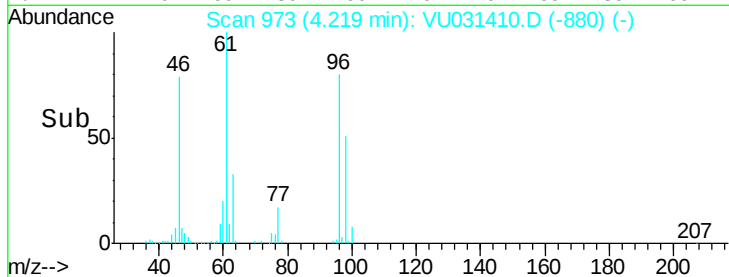
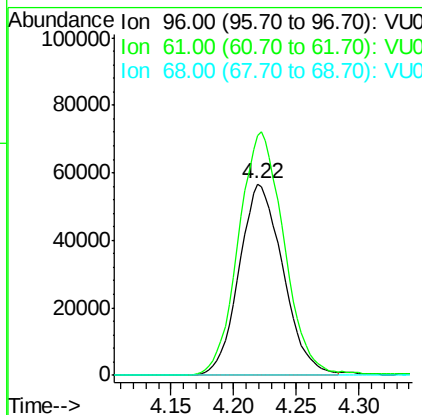
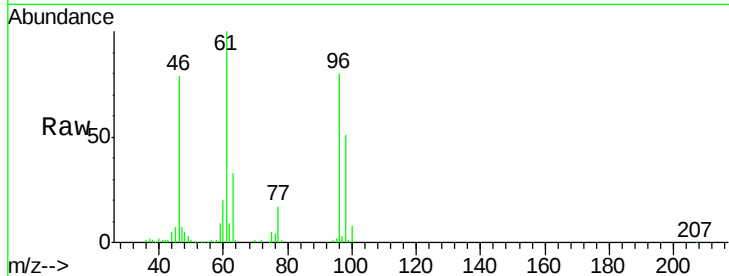
cis-1,2-Dichloroethene
 Concen: 31.120 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU031410.D
 Acq: 22 Apr 2019 23:39

Instrument :
 MSVOA_U
 ClientSampled :
 C0X35

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		138138		
61	125.1		91.9	170.7	
68	0.0		0.0	0.0	

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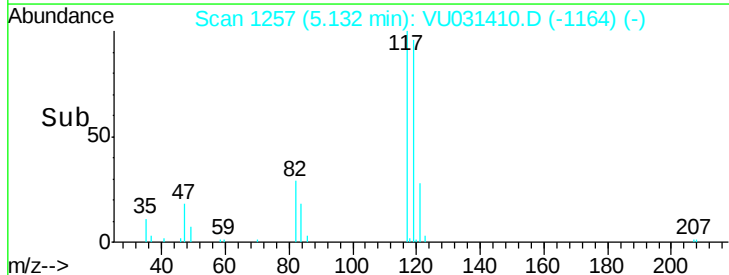
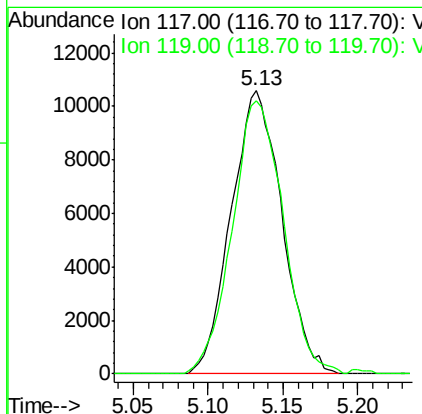
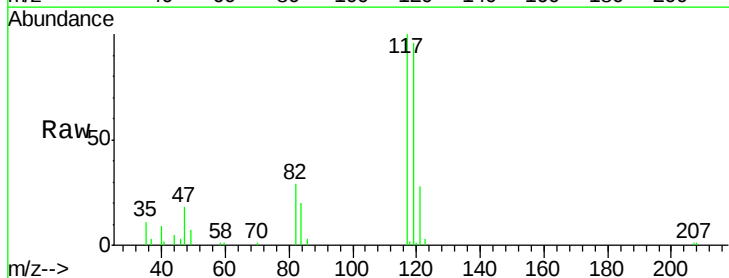
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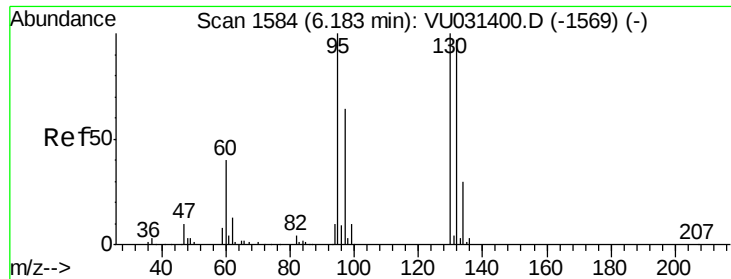


#31

Carbon tetrachloride
 Concen: 4.635 ug/L
 RT: 5.13 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VU031410.D
 Acq: 22 Apr 2019 23:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		25015		
119	96.9		76.2	114.4	





#34

Trichloroethene

Concen: 7276.912 ug/L m

RT: 6.17 min Scan# 1581

Delta R.T. -0.01 min

Lab File: VU031410.D

Acq: 22 Apr 2019 23:39

Instrument :

MSVOA_U

ClientSampleId :

C0X35

Tot Ion: 95 Resp: 32974099

Ion Ratio Lower Upper

95 100

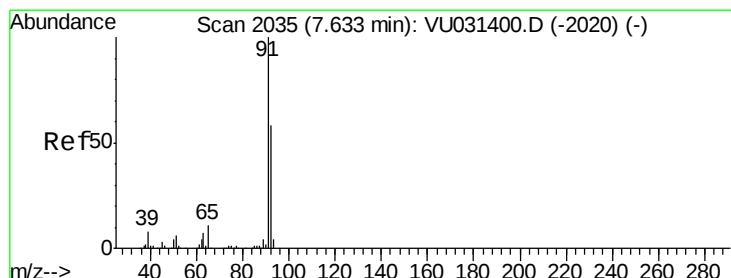
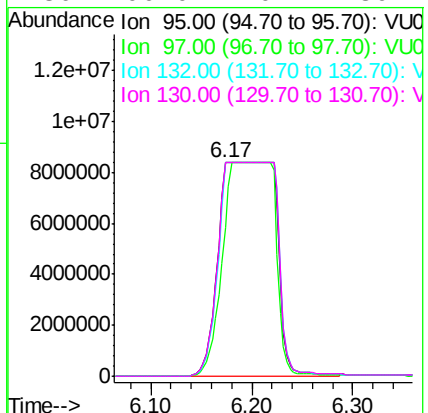
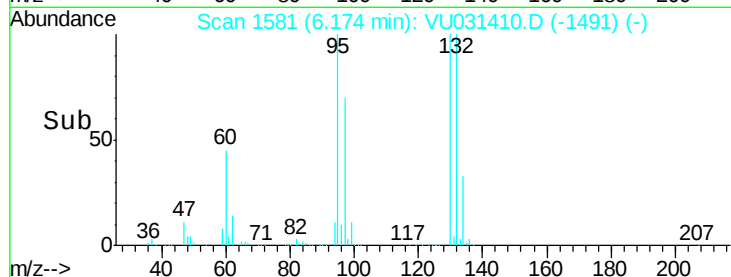
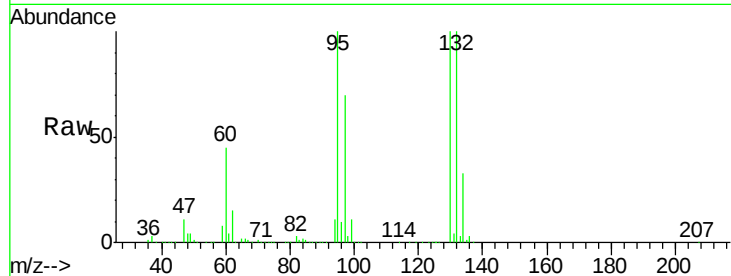
97 69.6 44.9 83.5

132 100.0 68.0 126.2

130 100.0 70.1 130.1

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#42

Toluene

Concen: 0.409 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. 0.01 min

Lab File: VU031410.D

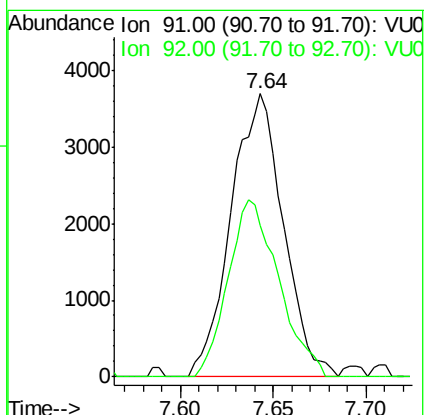
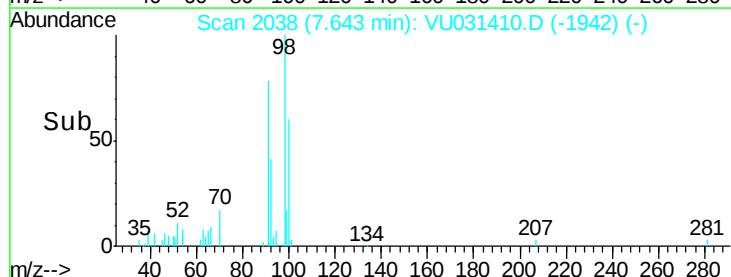
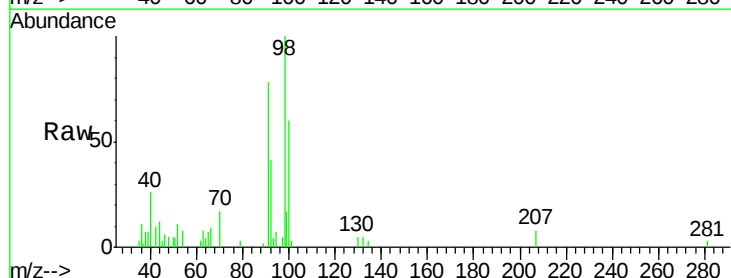
Acq: 22 Apr 2019 23:39

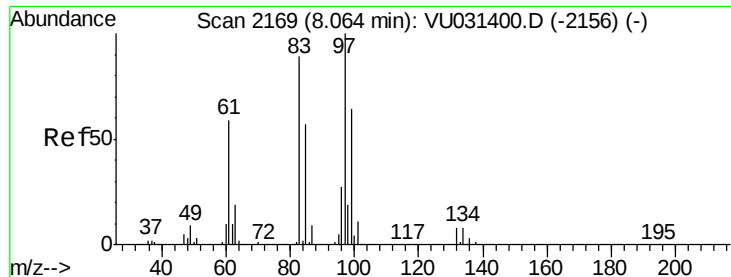
Tgt Ion: 91 Resp: 7254

Ion Ratio Lower Upper

91 100

92 53.3 40.6 75.4





#45

1,1,2-Trichloroethane

Concen: 2.944 ug/L

RT: 8.07 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU031410.D

Acq: 22 Apr 2019 23:39

Instrument :

MSVOA_U

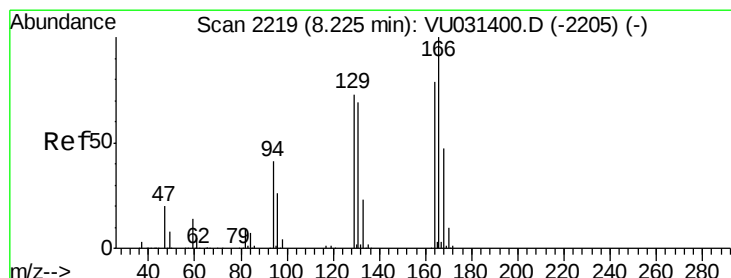
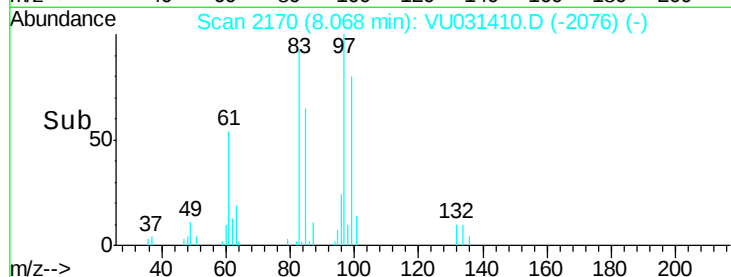
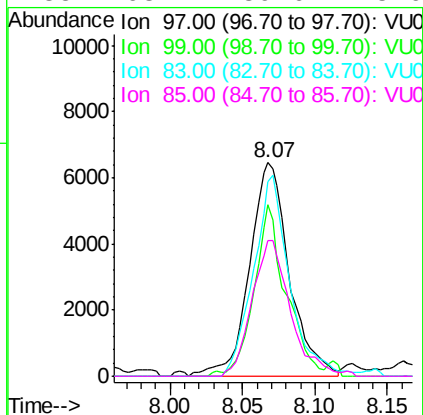
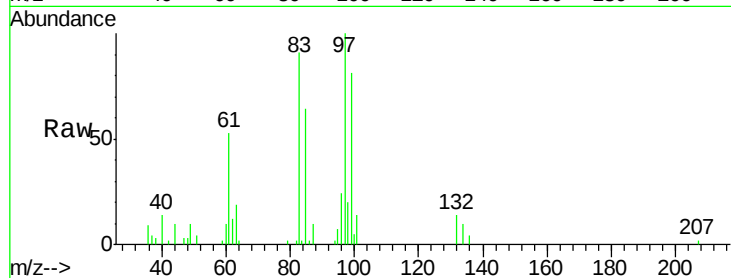
ClientSampled :

C0X35

Tot Ion:	97	Resp:	12324
Ion	Ratio	Lower	Upper
97	100		
99	80.6	44.9	83.3
83	91.2	62.5	116.1
85	63.7	39.6	73.6

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#46

Tetrachloroethene

Concen: 889.202 ug/L

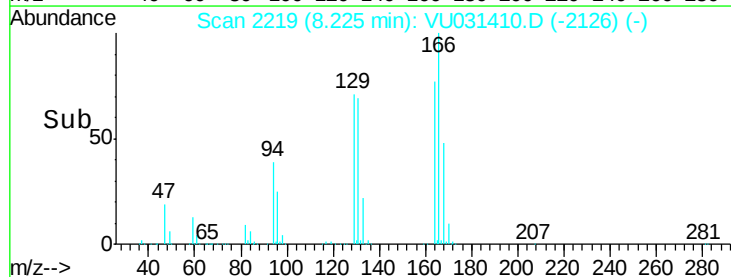
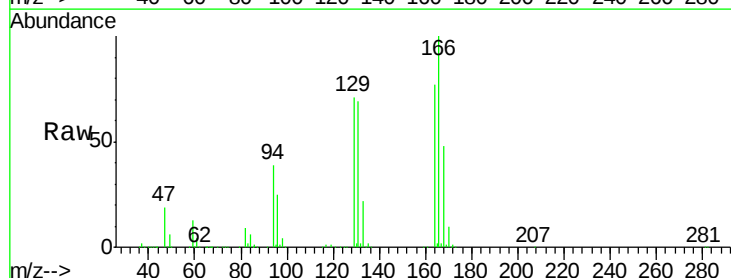
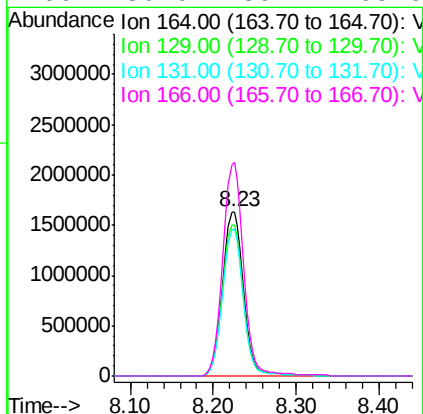
RT: 8.23 min Scan# 2219

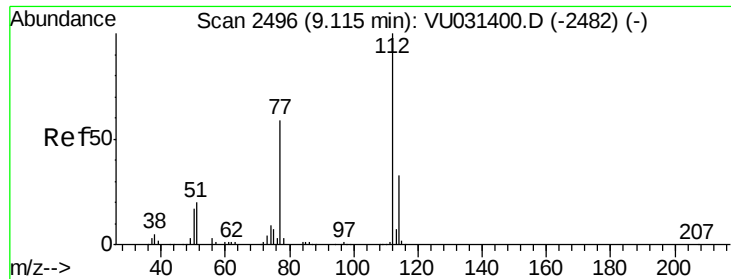
Delta R.T. 0.00 min

Lab File: VU031410.D

Acq: 22 Apr 2019 23:39

Tgt Ion:	164	Resp:	2857665
Ion	Ratio	Lower	Upper
164	100		
129	92.2	65.2	121.0
131	89.7	61.4	114.0
166	130.0	89.2	165.6





#51
 Chlorobenzene
 Concen: 1.178 ug/L
 RT: 9.12 min Scan# 2497
 Delta R.T. 0.00 min
 Lab File: VU031410.D
 Acq: 22 Apr 2019 23:39

Instrument :
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Tot Ion:	112	Resp:	12983
Ion Ratio	Lower	Upper	
112	100		
114	32.0	23.0	42.8
77	55.0	47.1	70.7

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