

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042919\
 Data File : VU031619.D
 Acq On : 30 Apr 2019 04:42
 Operator : JC/SP
 Sample : K2593-08 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0WZ4

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:44:55 AM

Quant Time: Apr 30 05:52:51 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	624427	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	622972	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	225444	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	322772	61.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	123.52%
7) Chloroethane-d5	1.68	69	242494	60.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	120.10%
11) 1,1-Dichloroethene-d2	2.27	63	454275	43.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.30%
21) 2-Butanone-d5	4.19	46	584439	123.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	123.43%
24) Chloroform-d	4.64	84	509703	53.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.50%
26) 1,2-Dichloroethane-d4	5.31	65	359457	57.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.98%
32) Benzene-d6	5.34	84	987000	51.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.18%
36) 1,2-Dichloropropane-d6	6.33	67	374203	55.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.20%
41) Toluene-d8	7.56	98	813039	48.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.60%
43) trans-1,3-Dichloropropene-	7.85	79	144238	49.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.86%
47) 2-Hexanone-d5	8.31	63	326818	112.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.19%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	460563	50.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.98%
64) 1,2-Dichlorobenzene-d4	11.86	152	247766	52.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.52%

Target Compounds

					Ovalue
5) Vinyl chloride	1.40	62	9839	1.267 ug/L #	22
9) Trichlorofluoromethane	1.88	101	30682	3.465 ug/L	98
16) Methylene chloride	2.70	84	83173	14.466 ug/L	95
17) trans-1,2-Dichloroethene	2.98	96	9649	1.901 ug/L	86
20) cis-1,2-Dichloroethene	4.22	96	197453	36.261 ug/L	91
34) Trichloroethene	6.17	95	25059477m	4513.556 ug/L	
40) 4-Methyl-2-pentanone	7.47	43	18441	1.843 ug/L #	94
42) Toluene	7.64	91	189394	8.301 ug/L	98
46) Tetrachloroethene	8.22	164	46319	12.237 ug/L	91

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

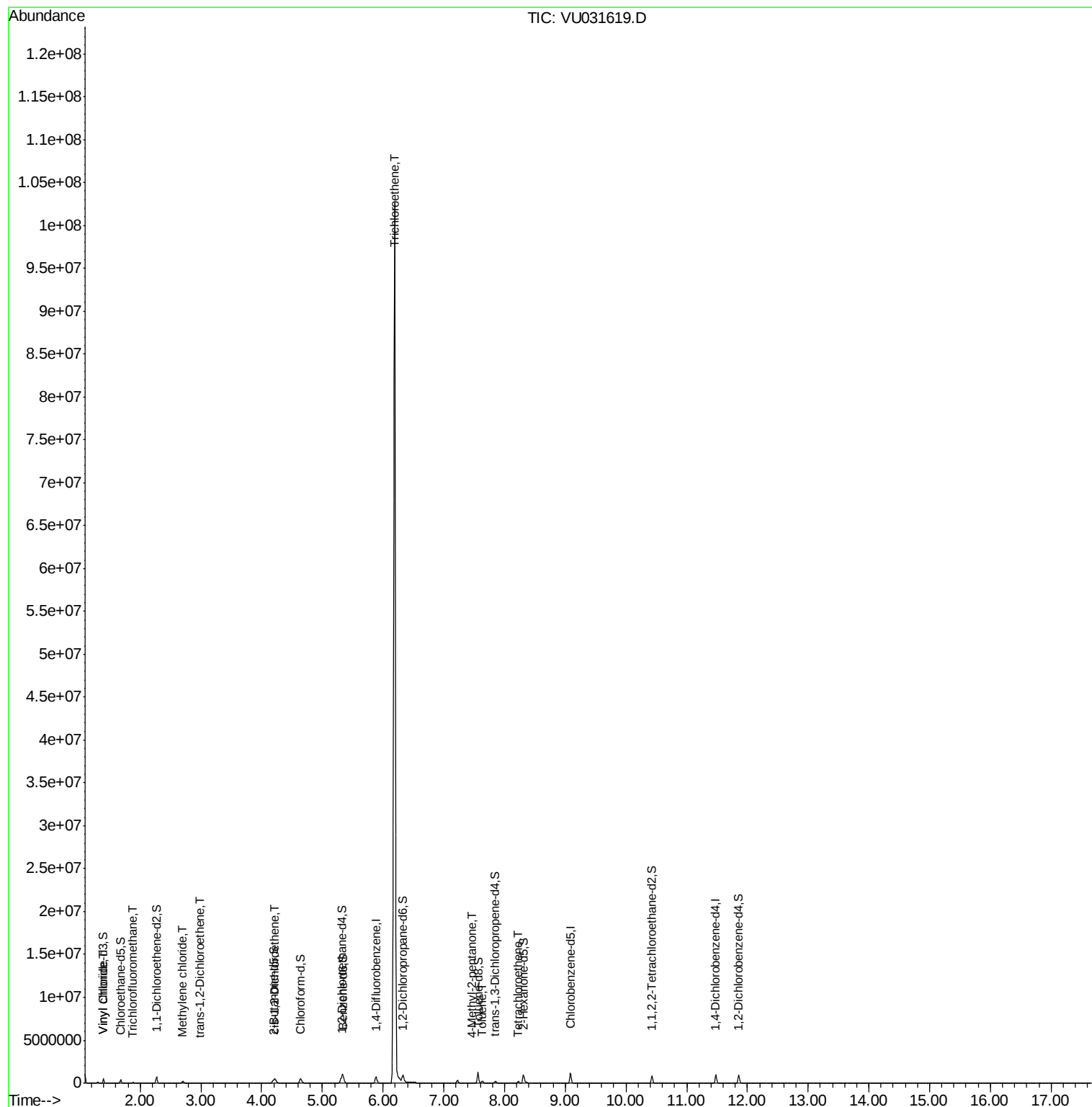
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042919\
Data File : VU031619.D
Acq On : 30 Apr 2019 04:42
Operator : JC/SP
Sample : K2593-08 50X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 52 Sample Multiplier: 1

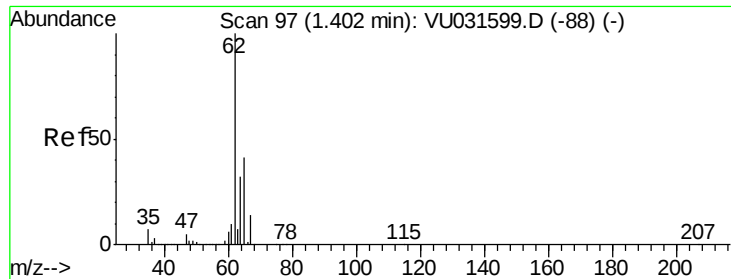
Instrument :
MSVOA_U
ClientSampleId :
C0WZ4

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Quant Time: Apr 30 05:52:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 30 04:50:11 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.267 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU031619.D

Acq: 30 Apr 2019 04:42

Instrument :

MSVOA_U

ClientSampled :

COWZ4

Tot Ion: 62 Resp: 9839

Ion Ratio Lower Upper

62 100

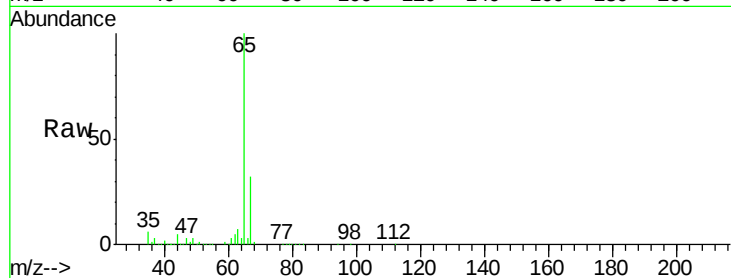
64 76.9 23.1 42.9#

Manual Integrations

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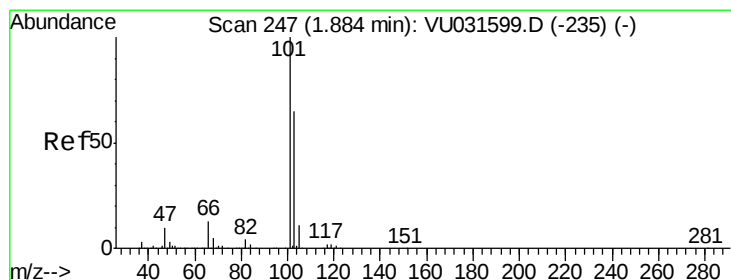
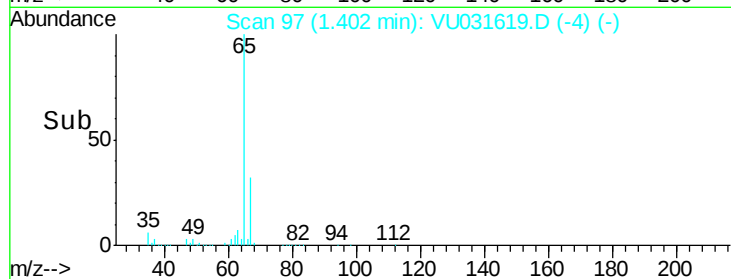
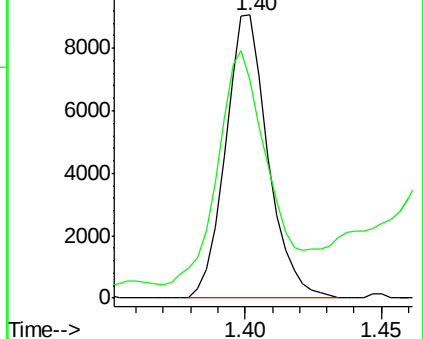
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Abundance Ion 62.00 (61.70 to 62.70): VU031599.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU031599.D (-88) (-)



#9

Trichlorofluoromethane

Concen: 3.465 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU031619.D

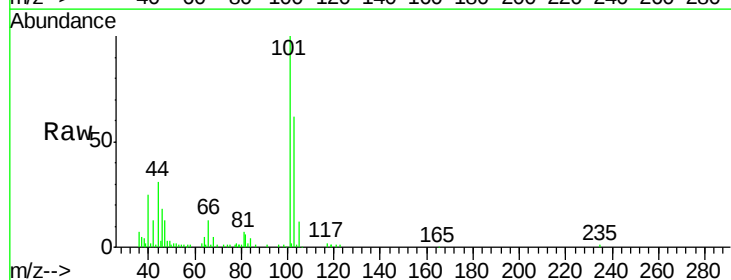
Acq: 30 Apr 2019 04:42

Tgt Ion: 101 Resp: 30682

Ion Ratio Lower Upper

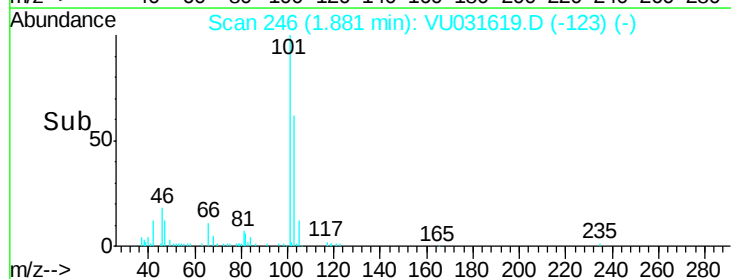
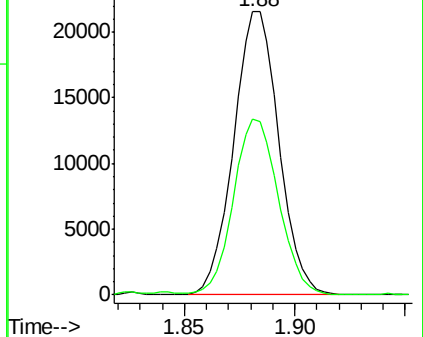
101 100

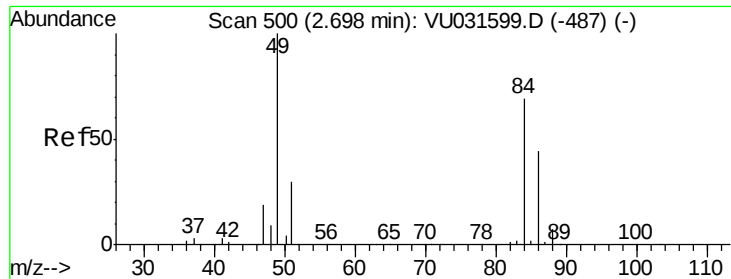
103 61.9 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): VU031599.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU031599.D (-235) (-)





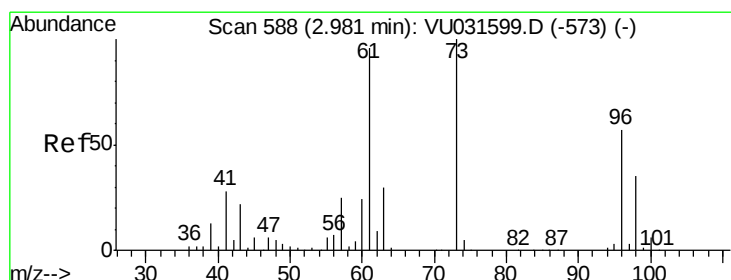
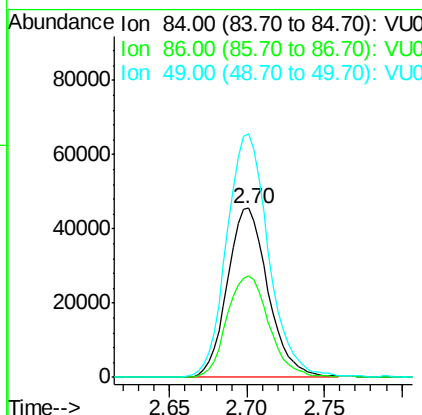
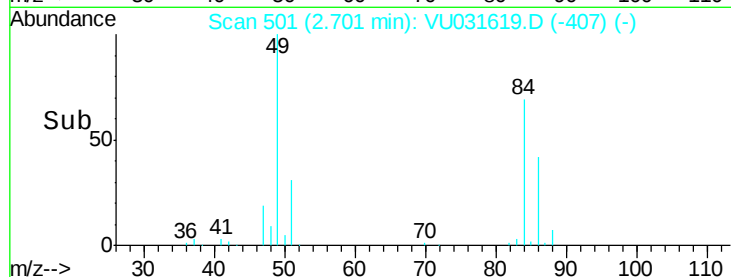
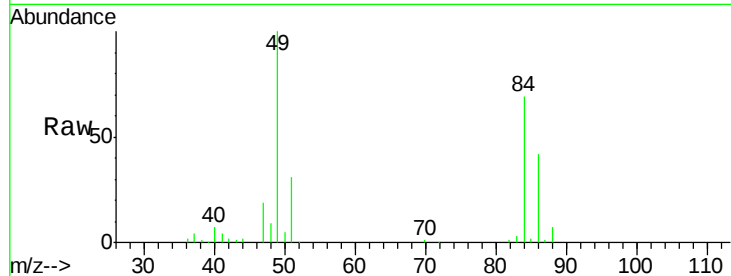
#16
Methvlene chloride
Concen: 14.466 ug/L
RT: 2.70 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU031619.D
Acq: 30 Apr 2019 04:42

Instrument :
MSVOA_U
ClientSampled :
COWZ4

Tot Ion	Ratio	Lower	Upper
84	100		
86	60.4	44.7	83.1
49	144.0	96.5	179.3

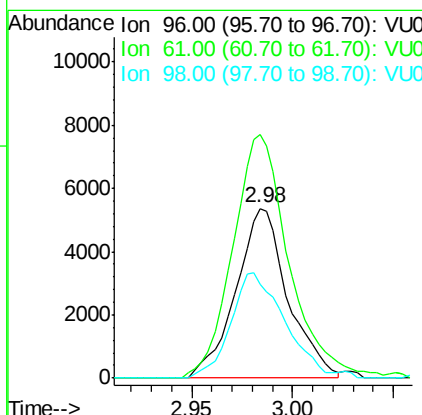
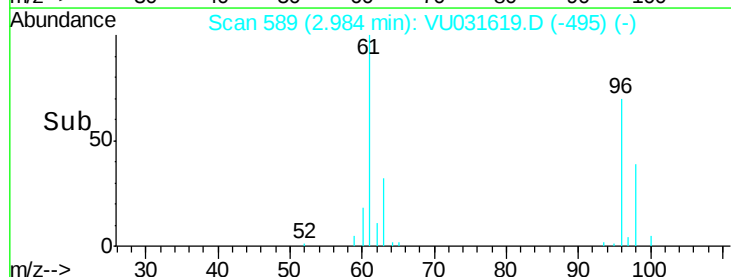
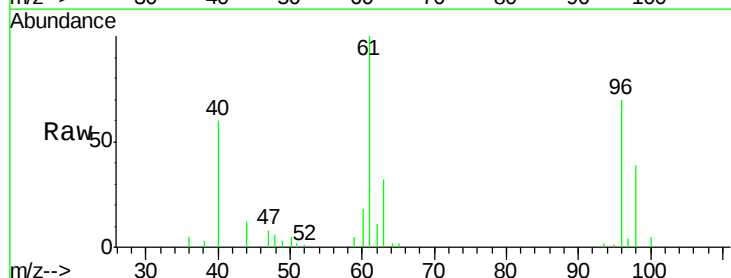
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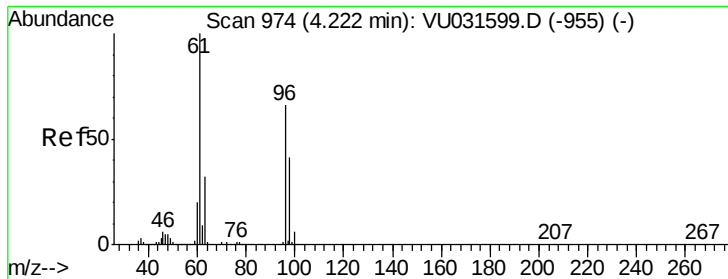
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#17
trans-1,2-Dichloroethene
Concen: 1.901 ug/L
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU031619.D
Acq: 30 Apr 2019 04:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.5	114.5	212.7
98	55.7	45.4	84.2





#20

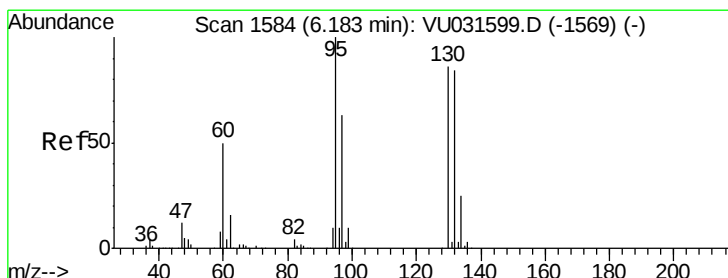
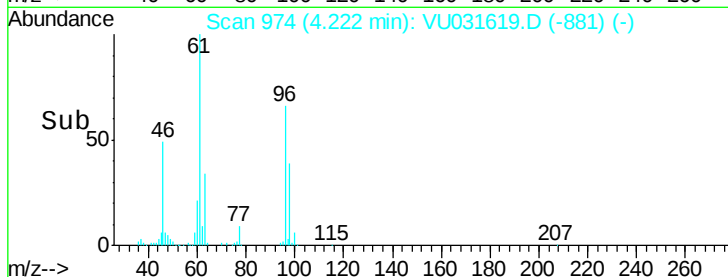
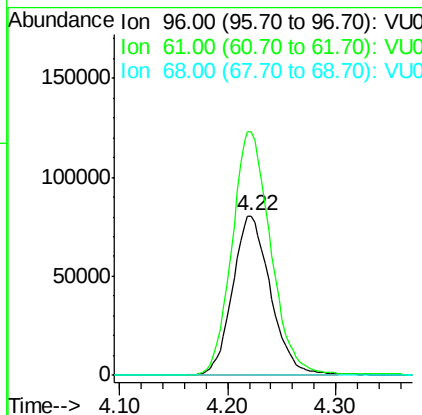
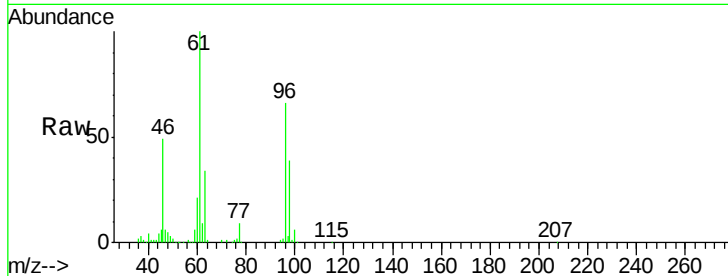
cis-1,2-Dichloroethene
 Concen: 36.261 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU031619.D
 Acq: 30 Apr 2019 04:42

Instrument :
 MSVOA_U
 ClientSampleId :
 C0WZ4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		197453		
61	152.6		99.5	184.7	
68	0.0		0.0	0.0	

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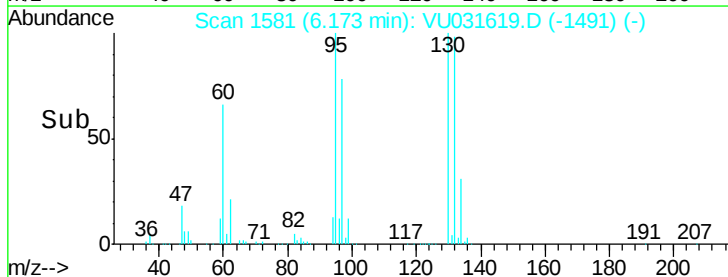
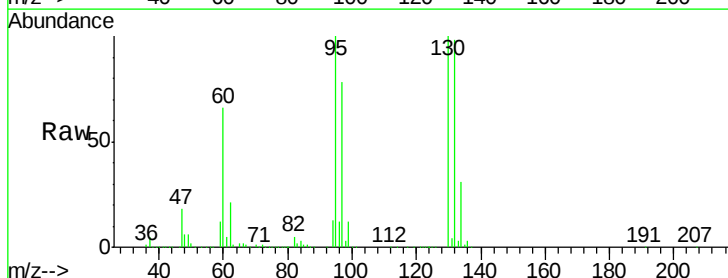
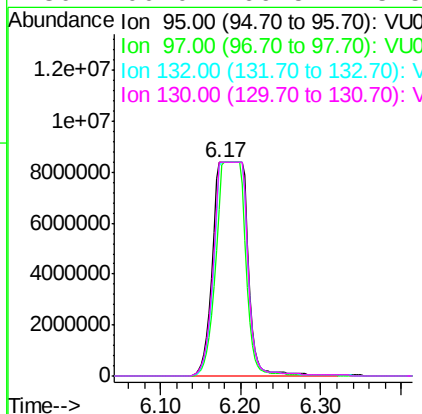
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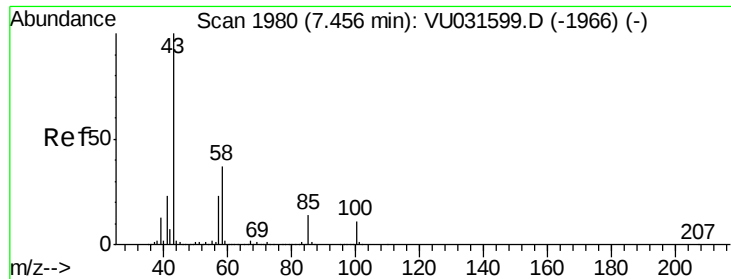


#34

Trichloroethene
 Concen: 4513.556 ug/L m
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: VU031619.D
 Acq: 30 Apr 2019 04:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
95	100		25059477		
97	77.9		44.8	83.2	
132	98.3		63.1	117.1	
130	100.0		66.5	123.5	





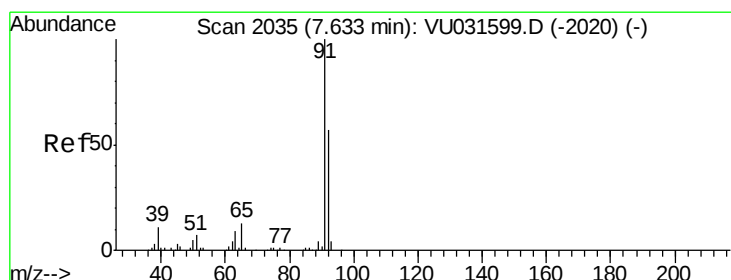
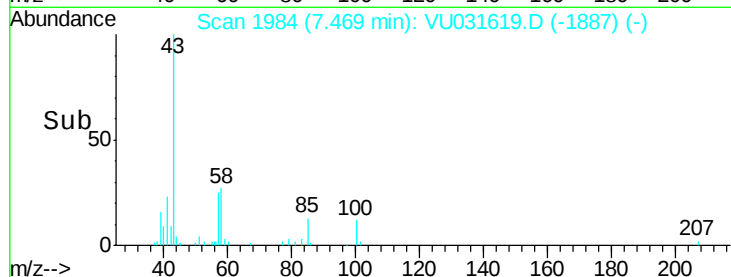
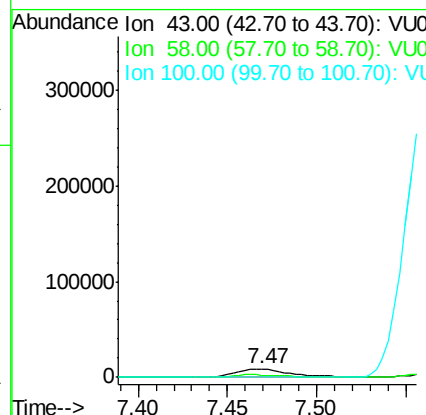
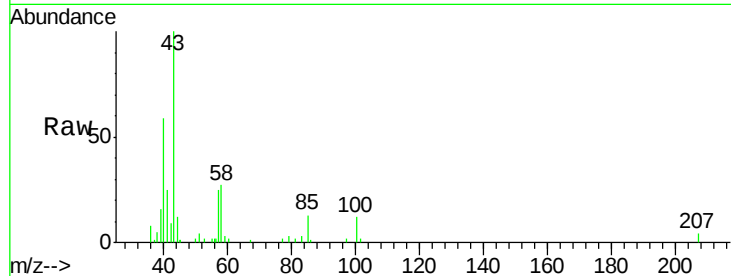
#40
4-Methyl-2-pentanone
Concen: 1.843 ug/L
RT: 7.47 min Scan# 1984
Delta R.T. 0.01 min
Lab File: VU031619.D
Acq: 30 Apr 2019 04:42

Instrument :
MSVOA_U
ClientSampleId :
COWZ4

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.2	30.1	45.1
100	9.0	9.6	14.4

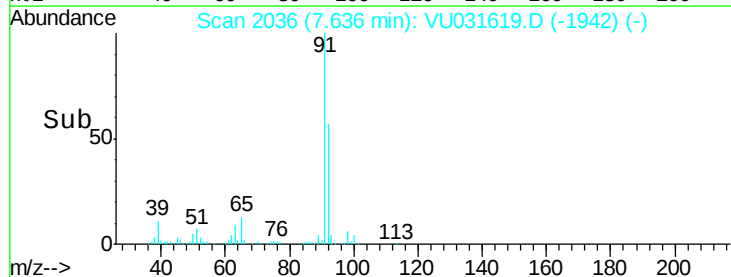
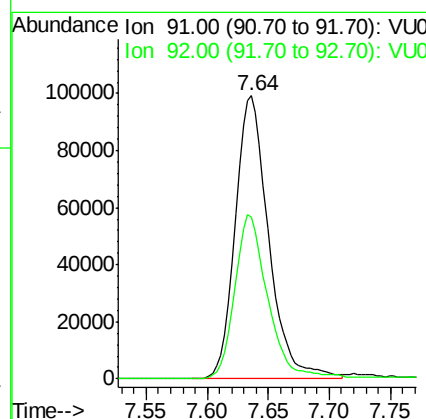
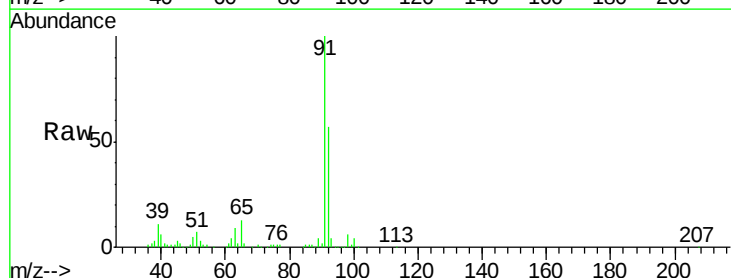
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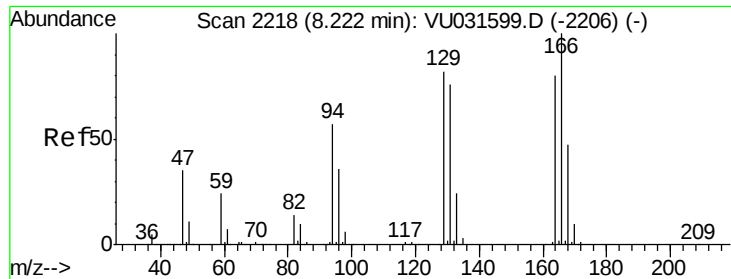
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#42
Toluene
Concen: 8.301 ug/L
RT: 7.64 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VU031619.D
Acq: 30 Apr 2019 04:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.4	39.0	72.4





#46
 Tetrachloroethene
 Concen: 12.237 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU031619.D
 Acq: 30 Apr 2019 04:42

Instrument :
 MSVOA_U
 ClientSampleId :
 COWZ4

Tot Ion	Ratio	Lower	Upper
164	100		
129	93.6	71.5	132.9
131	94.5	69.0	128.2
166	118.1	93.7	173.9

Manual Integrations
 APPROVED

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 4/30/2019 11:44:55 AM

