

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010920\
 Data File : VU036419.D
 Acq On : 09 Jan 2020 15:01
 Operator : JC/MD
 Sample : L1042-13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFRB0

Manual Integrations
 APPROVED

MMDadoda
 1/10/2020 10:42:49 AM

Quant Time: Jan 10 04:28:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 10 04:07:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	467124	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	444681	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	166009	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	135580	37.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.50%
7) Chloroethane-d5	1.93	69	128205	41.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.52%
11) 1,1-Dichloroethene-d2	2.59	63	223847	36.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.20%
21) 2-Butanone-d5	4.68	46	272748	100.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.62%
24) Chloroform-d	5.11	84	316589	49.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.66%
26) 1,2-Dichloroethane-d4	5.75	65	221296	52.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.08%
32) Benzene-d6	5.77	84	618959	50.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.00%
36) 1,2-Dichloropropane-d6	6.73	67	205783	49.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.12%
41) Toluene-d8	7.93	98	584939	49.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.44%
43) trans-1,3-Dichloropropene-	8.21	79	104737	46.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.98%
47) 2-Hexanone-d5	8.67	63	203970	95.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.25%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	300105	47.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.32%
64) 1,2-Dichlorobenzene-d4	12.22	152	170903	49.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.16%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	9522	3.523	ug/L #	1
13) Acetone	2.66	43	8217	2.923	ug/L	94
18) Methyl tert-butyl Ether	3.41	73	11351	1.071	ug/L #	93
19) 1,1-Dichloroethane	3.92	63	43821	7.491	ug/L	94
20) cis-1,2-Dichloroethene	4.72	96	4097m	1.161	ug/L	
30) 1,1,1-Trichloroethane	5.36	97	7543	1.384	ug/L	97
34) Trichloroethene	6.58	95	10530	3.127	ug/L	90
46) Tetrachloroethene	8.58	164	59011	24.354	ug/L	96

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

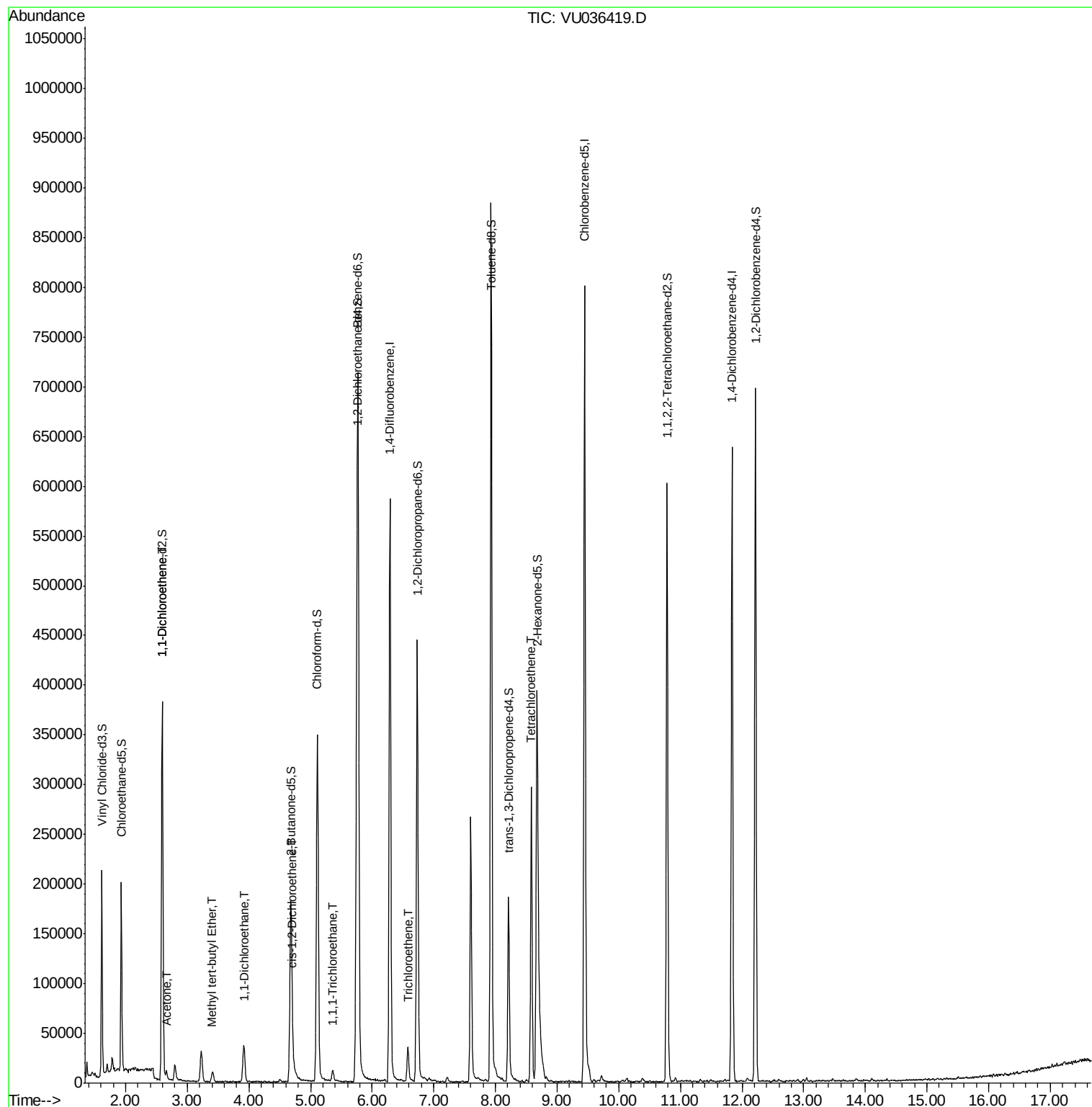
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU010920\
Data File : VU036419.D
Acq On : 09 Jan 2020 15:01
Operator : JC/MD
Sample : L1042-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

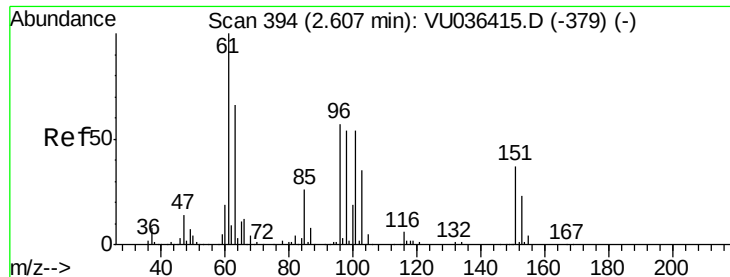
Instrument :
MSVOA_U
ClientSampleId :
BFRB0

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1/10/2020 10:42:49 AM

Quant Time: Jan 10 04:28:25 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 10 04:07:29 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 3.523 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036419.D

Acq: 09 Jan 2020 15:01

Instrument :

MSVOA_U

ClientSampleId :

BFRB0

Tot Ion: 96 Resp: 9522

Ion Ratio Lower Upper

96 100

61 362.8 120.9 224.5#

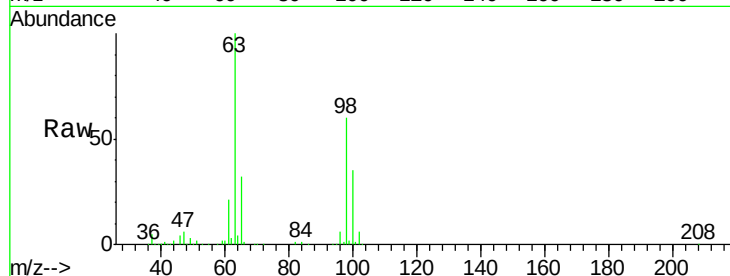
63 1727.2 81.8 152.0

Manual Integrations

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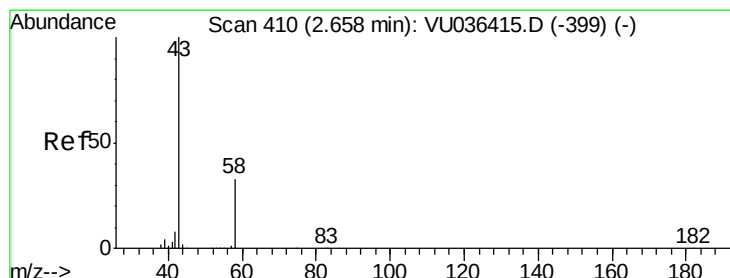
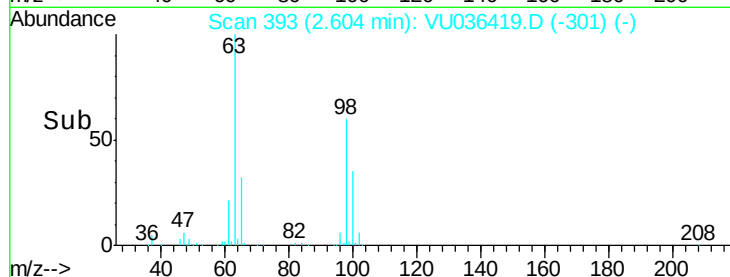
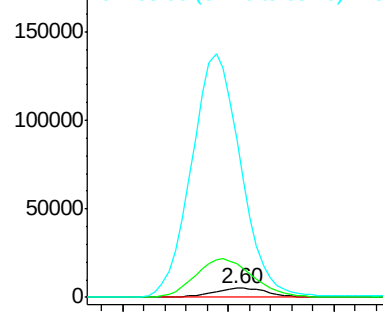
1/10/2020 10:42:49 AM



Abundance Ion 96.00 (95.70 to 96.70): VU036419.D (-393) (-)

Ion 61.00 (60.70 to 61.70): VU036419.D (-393) (-)

Ion 63.00 (62.70 to 63.70): VU036419.D (-393) (-)



#13

Acetone

Concen: 2.923 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU036419.D

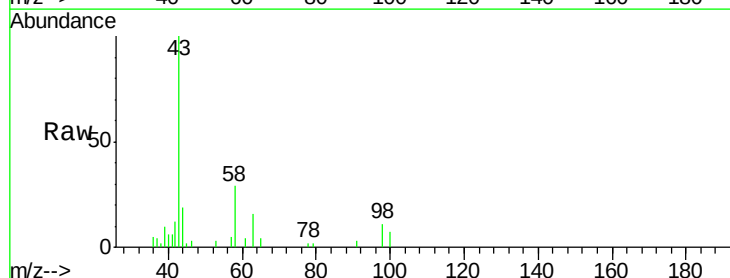
Acq: 09 Jan 2020 15:01

Tgt Ion: 43 Resp: 8217

Ion Ratio Lower Upper

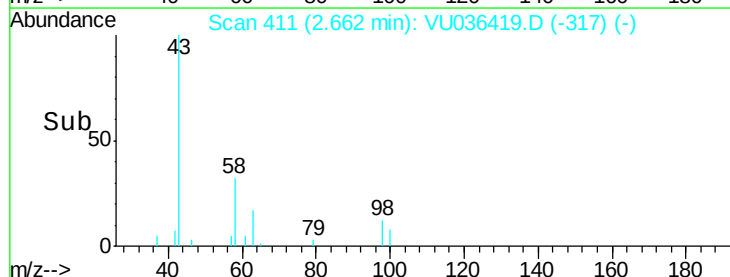
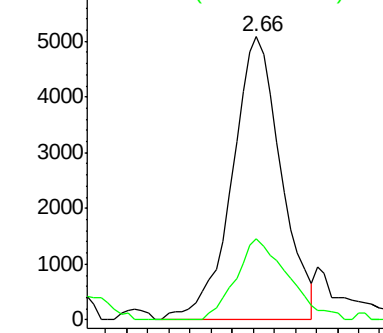
43 100

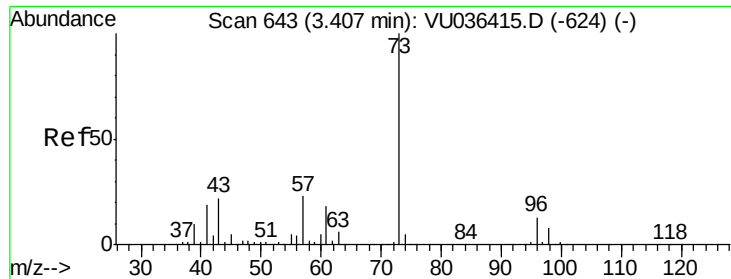
58 29.8 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VU036419.D (-410) (-)

Ion 58.00 (57.70 to 58.70): VU036419.D (-410) (-)





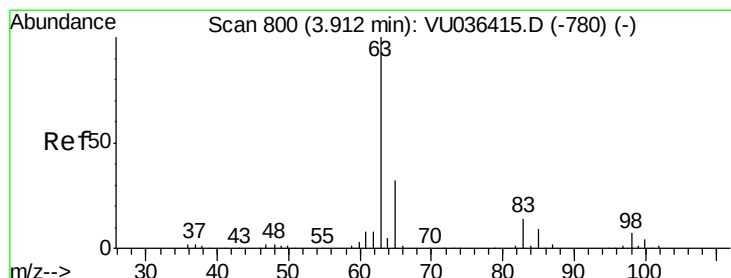
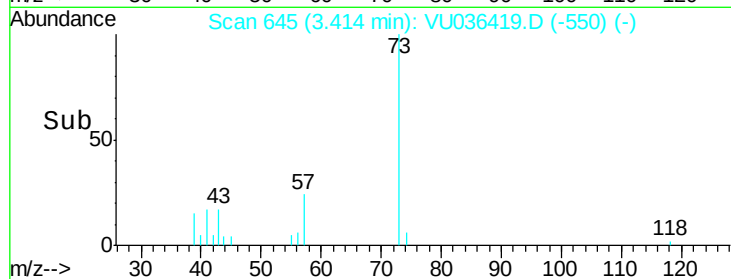
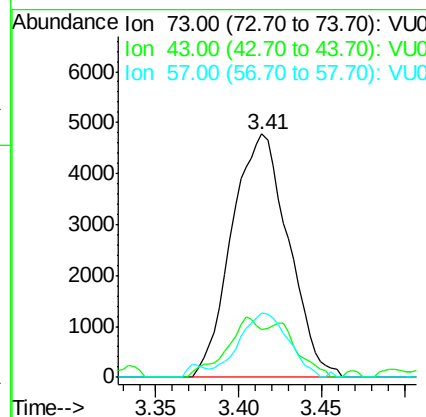
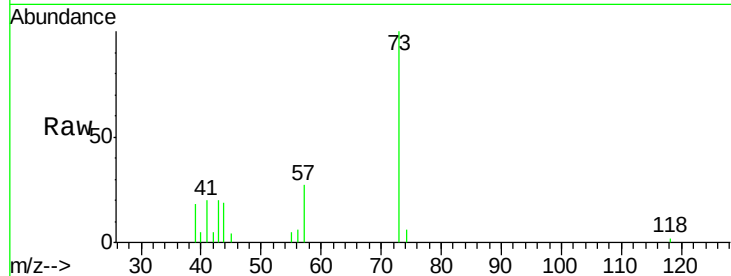
#18
Methyl tert-butyl Ether
Concen: 1.071 ug/L
RT: 3.41 min Scan# 645
Delta R.T. 0.01 min
Lab File: VU036419.D
Acq: 09 Jan 2020 15:01

Instrument :
MSVOA_U
ClientSampled :
BFRB0

Tot Ion	Ratio	Lower	Upper
73	100		
43	14.8	16.3	24.5#
57	23.1	17.7	26.5

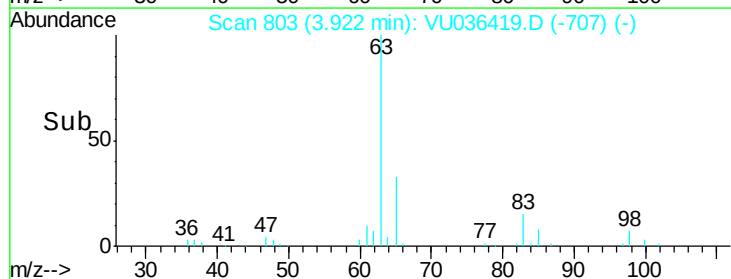
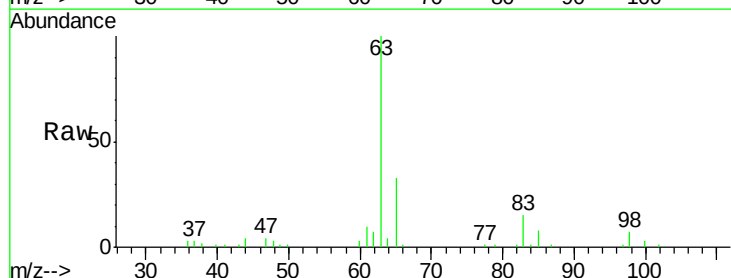
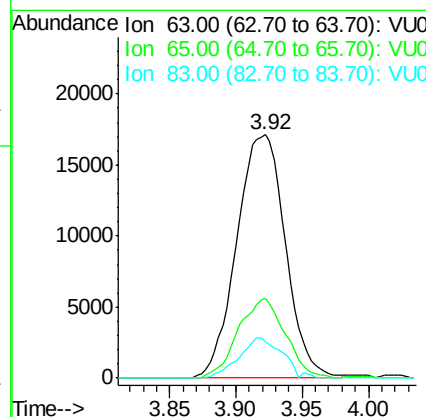
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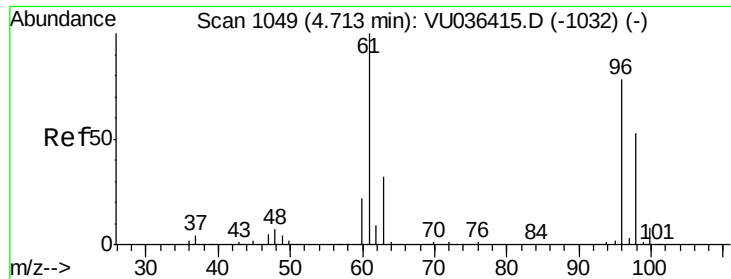
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#19
1,1-Dichloroethane
Concen: 7.491 ug/L
RT: 3.92 min Scan# 803
Delta R.T. 0.01 min
Lab File: VU036419.D
Acq: 09 Jan 2020 15:01

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.8	20.0	37.2
83	15.1	9.6	17.8





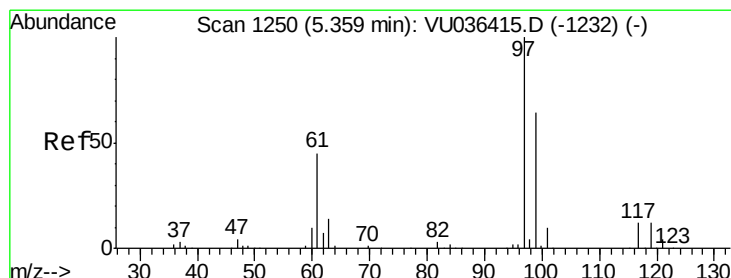
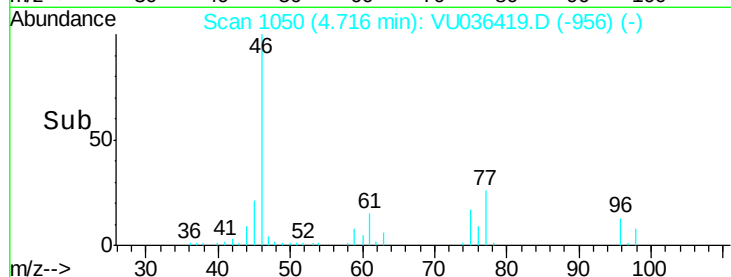
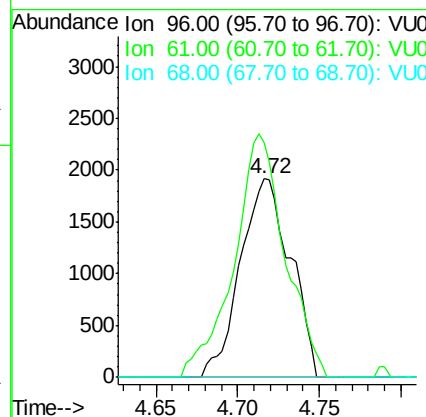
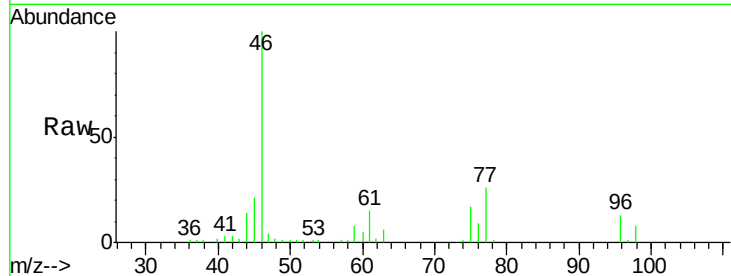
#20
 cis-1,2-Dichloroethene
 Concen: 1.161 ug/L m
 RT: 4.72 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU036419.D
 Acq: 09 Jan 2020 15:01

Instrument :
 MSVOA_U
 ClientSampled :
 BFRB0

Tot Ion	Ratio	Lower	Upper
96	100		
61	118.0	85.1	158.1
68	0.0	0.1	0.3#

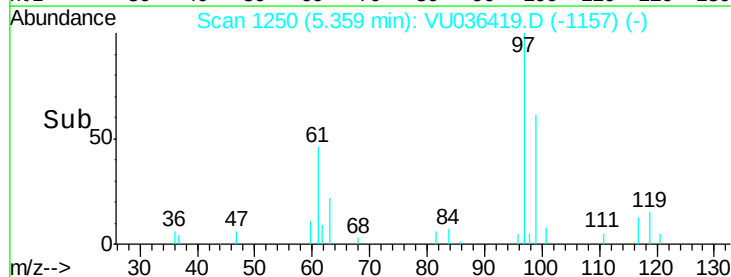
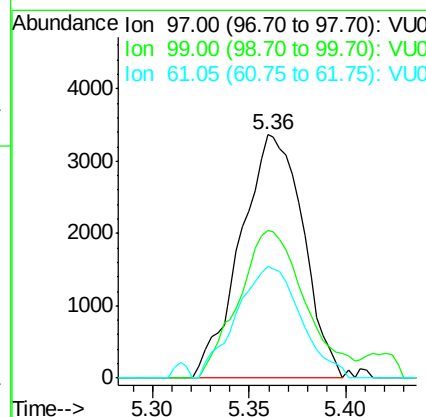
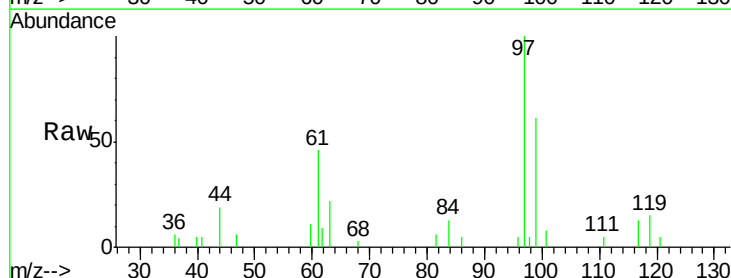
Manual Integrations
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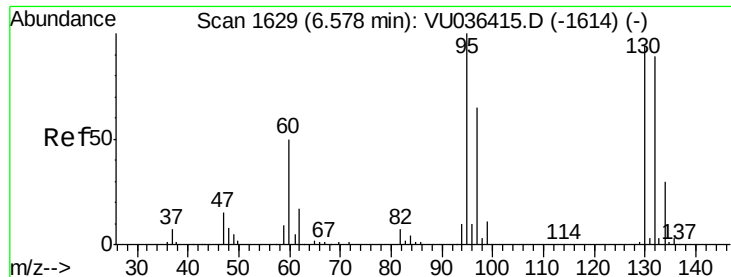
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#30
 1,1,1-Trichloroethane
 Concen: 1.384 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VU036419.D
 Acq: 09 Jan 2020 15:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.0	76.4
61	47.4	34.7	52.1





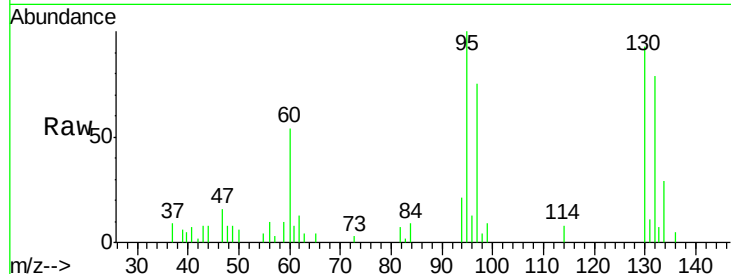
#34
 Trichloroethene
 Concen: 3.127 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VU036419.D
 Acq: 09 Jan 2020 15:01

Instrument :
 MSVOA_U
 ClientSampleId :
 BFRB0

Tot Ion	Ion	Ratio	Resp	Lower	Upper
95	100		10530		
97	75.4	44.5	82.7		
132	79.0	64.5	119.9		
130	92.8	66.6	123.8		

Manual Integrations
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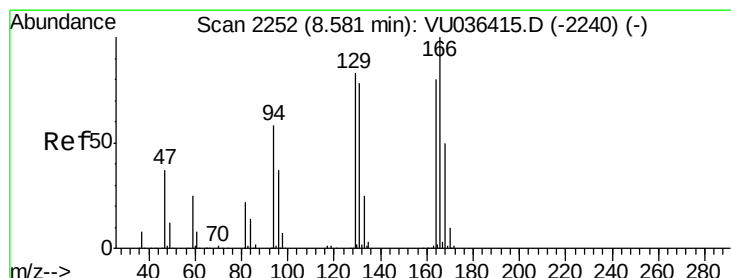
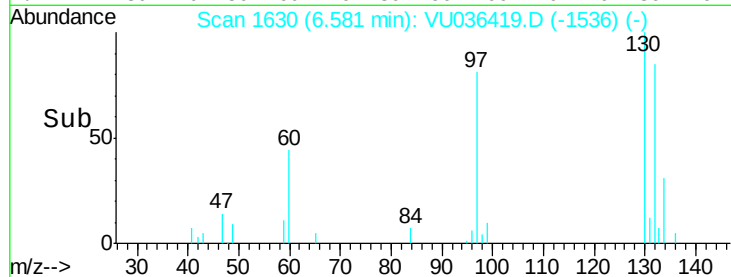
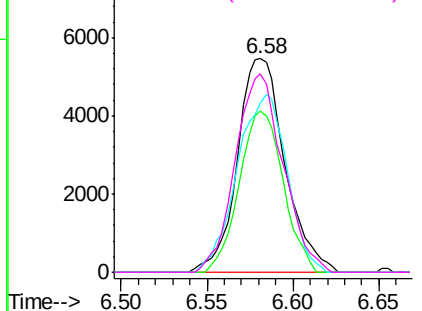
Abundance

Ion 95.00 (94.70 to 95.70): VU036419.D (-1614) (-)

Ion 97.00 (96.70 to 97.70): VU036419.D (-1614) (-)

Ion 132.00 (131.70 to 132.70): VU036419.D (-1614) (-)

Ion 130.00 (129.70 to 130.70): VU036419.D (-1614) (-)



#46
 Tetrachloroethene
 Concen: 24.354 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU036419.D
 Acq: 09 Jan 2020 15:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100		59011		
129	105.2	70.0	130.0		
131	101.9	70.1	130.1		
166	130.1	87.2	161.9		

Abundance

Ion 164.00 (163.70 to 164.70): VU036419.D (-2159) (-)

Ion 129.00 (128.70 to 129.70): VU036419.D (-2159) (-)

Ion 131.00 (130.70 to 131.70): VU036419.D (-2159) (-)

Ion 166.00 (165.70 to 166.70): VU036419.D (-2159) (-)

