

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030420\
 Data File : VU037046.D
 Acq On : 04 Mar 2020 18:11
 Operator : JC/MD
 Sample : L1784-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AZ2

Manual Integrations
 APPROVED

sam
 3/5/2020 3:34:25 PM

Quant Time: Mar 05 01:51:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 05 00:57:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	265238	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	246524	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	93423	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	91771	41.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.40%
7) Chloroethane-d5	1.93	69	88814	48.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.38%
11) 1,1-Dichloroethene-d2	2.59	63	129322	34.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.34%
21) 2-Butanone-d5	4.67	46	144427	96.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.67%
24) Chloroform-d	5.11	84	161368	47.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.88%
26) 1,2-Dichloroethane-d4	5.74	65	113194	49.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.36%
32) Benzene-d6	5.76	84	352244	49.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.82%
36) 1,2-Dichloropropane-d6	6.73	67	109464	47.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.78%
41) Toluene-d8	7.93	98	298402	45.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.24%
43) trans-1,3-Dichloropropene-	8.20	79	47200	43.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.94%
47) 2-Hexanone-d5	8.66	63	100236	88.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.76%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	155820	47.85	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.70%
64) 1,2-Dichlorobenzene-d4	12.21	152	91012	49.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.68%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	14747	8.706 ug/L	97
12) 1,1-Dichloroethene	2.60	96	14911	8.704 ug/L	# 1
13) Acetone	2.66	43	4522	2.942 ug/L	75
20) cis-1,2-Dichloroethene	4.71	96	117766	57.229 ug/L	100
25) Chloroform	5.13	83	7012	2.032 ug/L	94
30) 1,1,1-Trichloroethane	5.36	97	62201	23.533 ug/L	99
34) Trichloroethene	6.58	95	19651173m	10266.104 ug/L	
45) 1,1,2-Trichloroethane	8.43	97	7194	3.858 ug/L	95
46) Tetrachloroethene	8.57	164	1609	1.276 ug/L	89

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

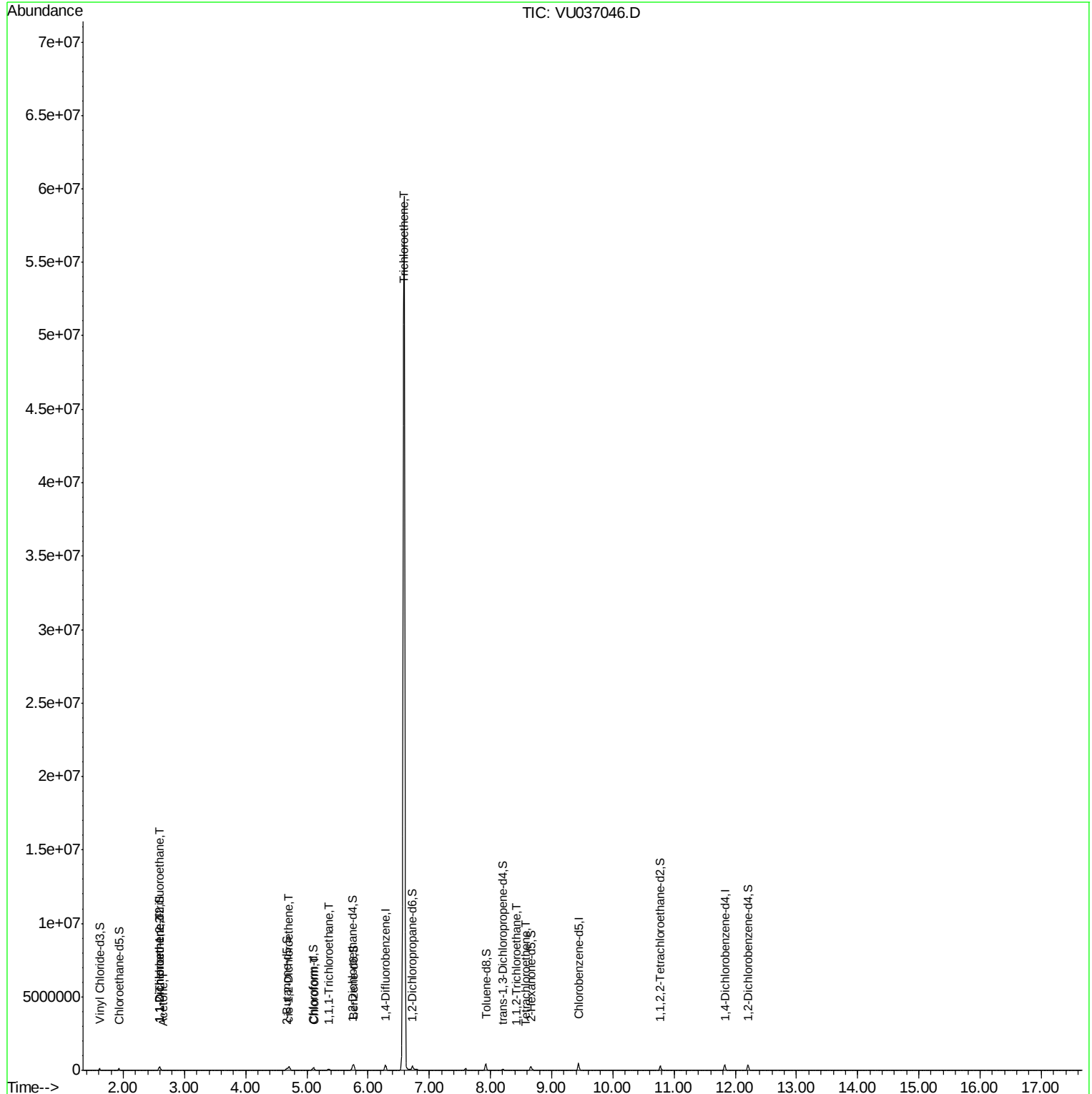
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030420\
Data File : VU037046.D
Acq On : 04 Mar 2020 18:11
Operator : JC/MD
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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

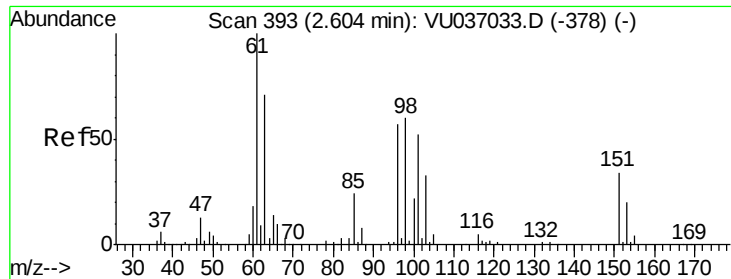
Instrument :
MSVOA_U
ClientSampleId :
C0AZ2

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Quant Time: Mar 05 01:51:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 05 00:57:10 2020
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 8.706 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037046.D

Acq: 04 Mar 2020 18:11

Instrument :

MSVOA_U

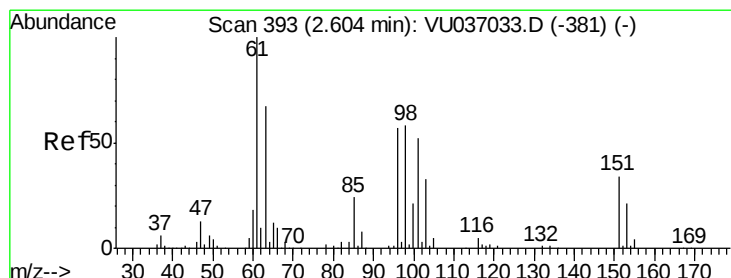
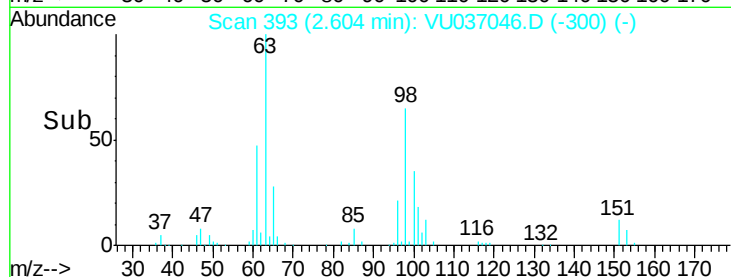
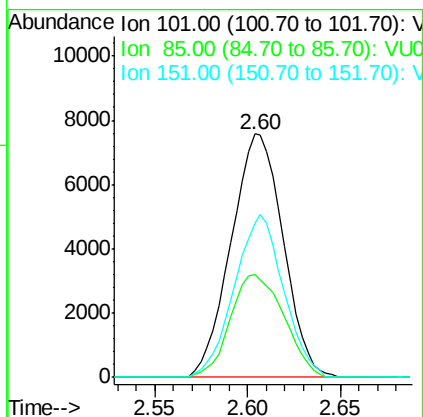
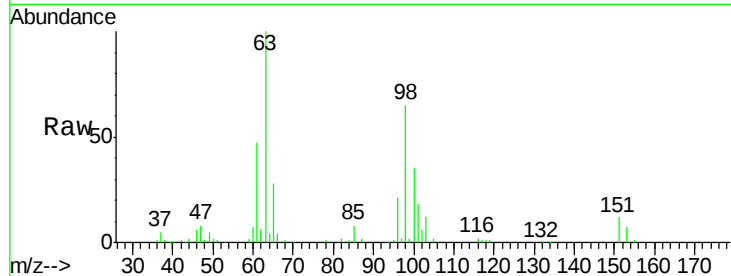
ClientSampled :

C0AZ2

Tot Ion:	101	Resp:	14747
Ion Ratio	Lower	Upper	
101	100		
85	43.5	36.4	54.6
151	63.2	52.4	78.6

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#12

1,1-Dichloroethene

Concen: 8.704 ug/L

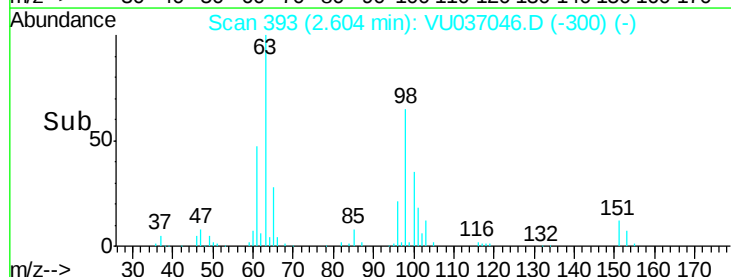
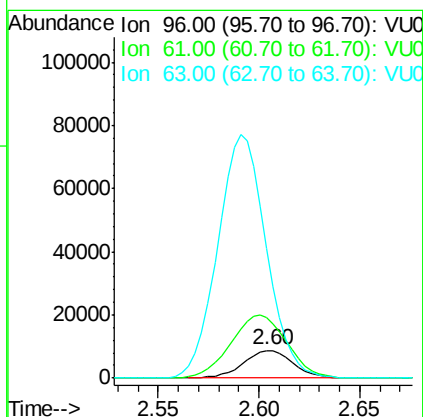
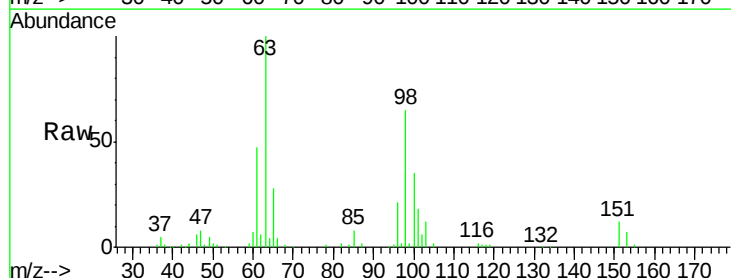
RT: 2.60 min Scan# 393

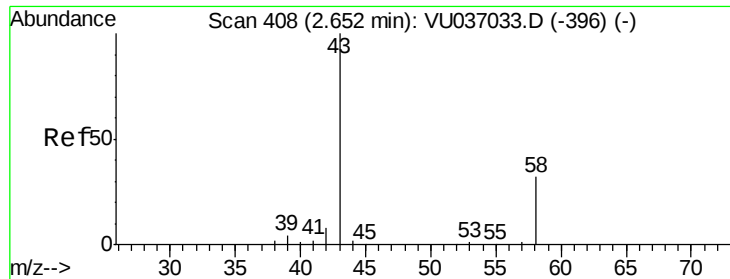
Delta R.T. 0.00 min

Lab File: VU037046.D

Acq: 04 Mar 2020 18:11

Tgt Ion:	96	Resp:	14911
Ion Ratio	Lower	Upper	
96	100		
61	216.8	127.5	236.7
63	465.4	101.4	188.2#





#13

Acetone

Concen: 2.942 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.01 min

Lab File: VU037046.D

Acq: 04 Mar 2020 18:11

Instrument :

MSVOA_U

ClientSampled :

C0AZ2

Tot Ion: 43 Resp: 4522

Ion Ratio Lower Upper

43 100

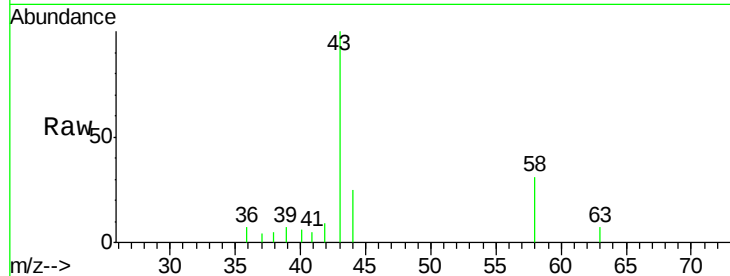
58 18.1 0.0 64.6

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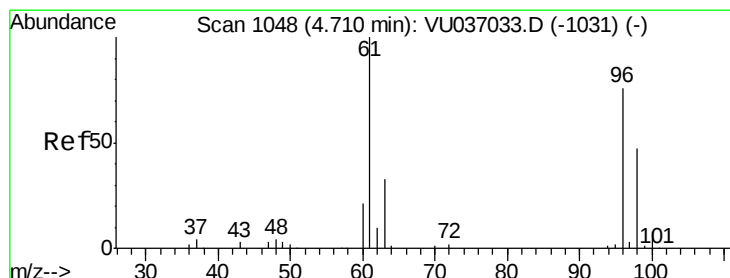
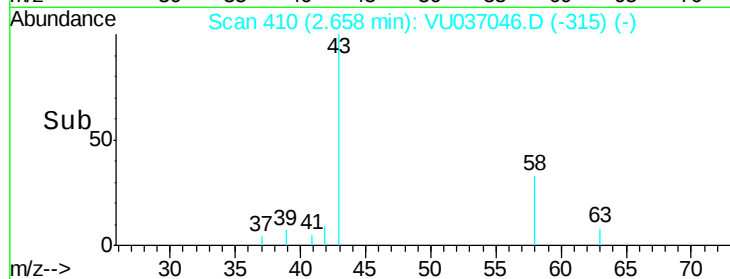
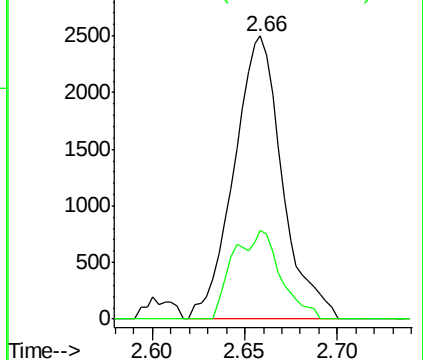
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Abundance Ion 43.00 (42.70 to 43.70): VU037033.D (-396) (-)

Ion 58.00 (57.70 to 58.70): VU037033.D (-396) (-)



#20

cis-1,2-Dichloroethene

Concen: 57.229 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037046.D

Acq: 04 Mar 2020 18:11

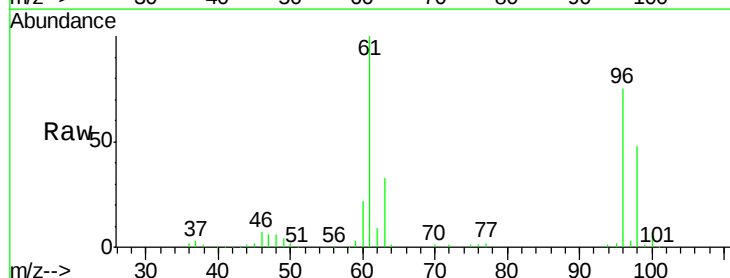
Tgt Ion: 96 Resp: 117766

Ion Ratio Lower Upper

96 100

61 132.5 93.1 172.9

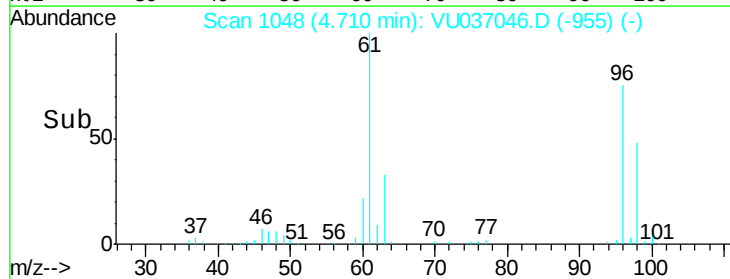
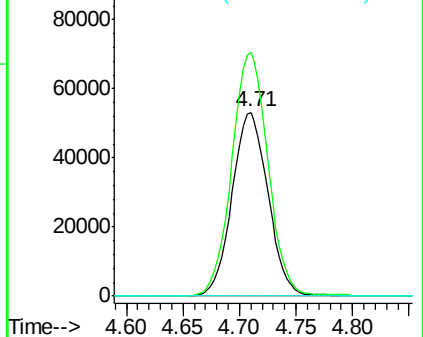
68 0.0 0.0 0.0

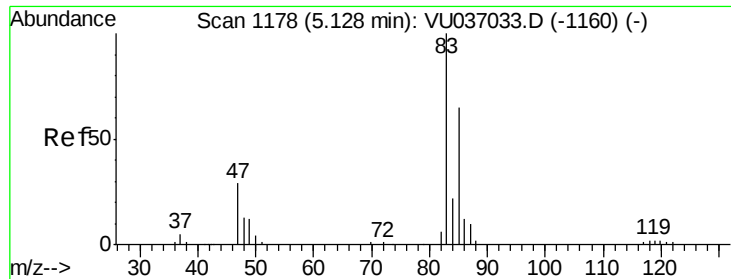


Abundance Ion 96.00 (95.70 to 96.70): VU037033.D (-1031) (-)

Ion 61.00 (60.70 to 61.70): VU037033.D (-1031) (-)

Ion 68.00 (67.70 to 68.70): VU037033.D (-1031) (-)





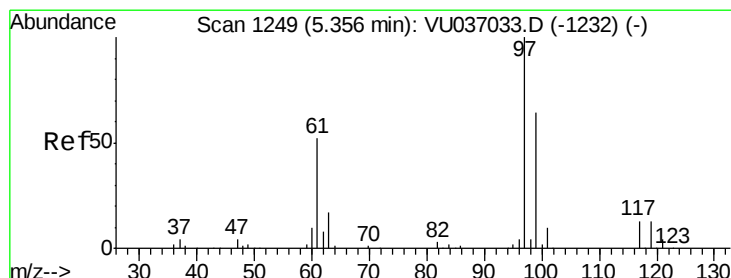
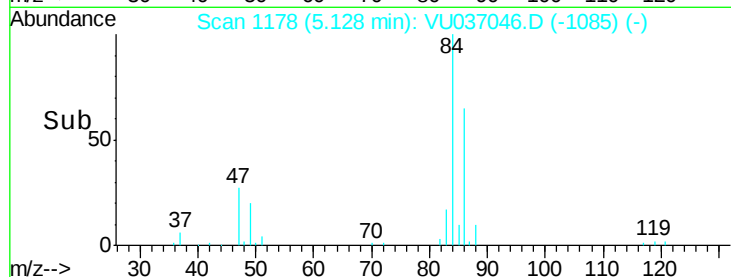
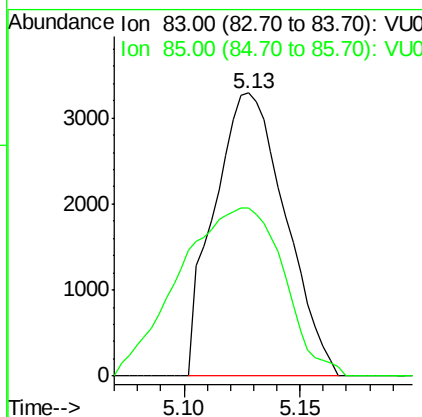
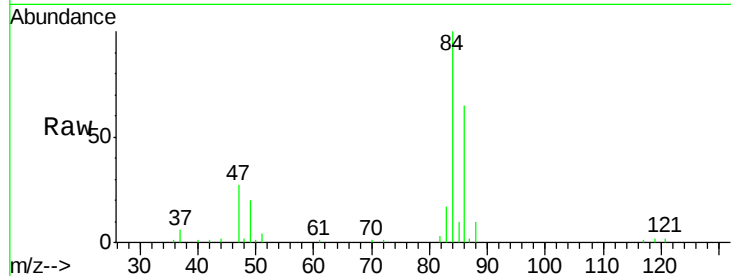
#25
Chloroform
Concen: 2.032 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037046.D
Acq: 04 Mar 2020 18:11

Instrument :
MSVOA_U
ClientSampleId :
C0AZ2

Tot Ion	83	Resp	7012
Ion Ratio	100	Lower	Upper
85	59.4	45.1	83.9

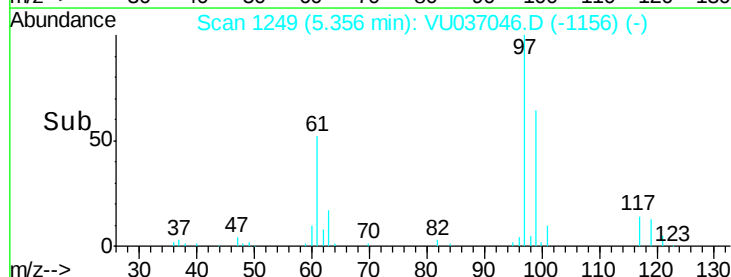
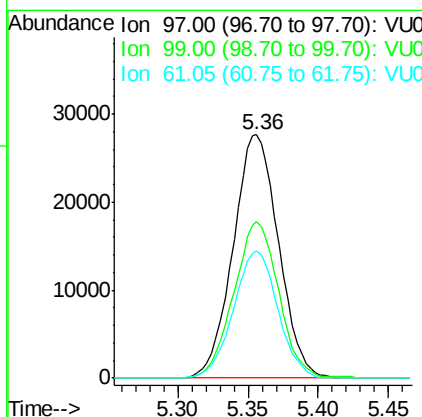
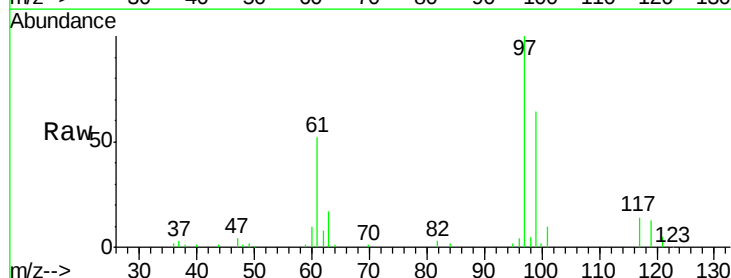
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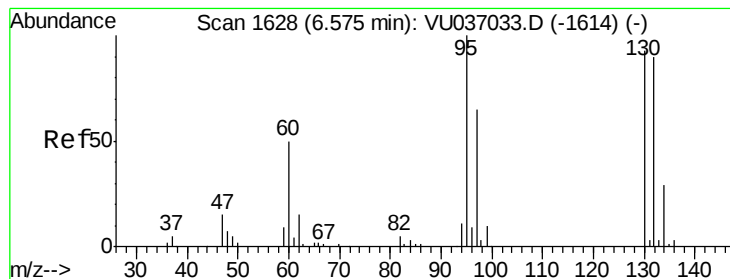
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#30
1,1,1-Trichloroethane
Concen: 23.533 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU037046.D
Acq: 04 Mar 2020 18:11

Tgt Ion	97	Resp	62201
Ion Ratio	100	Lower	Upper
99	63.2	50.4	75.6
61	51.1	40.3	60.5





#34

Trichloroethene

Concen: 10266.104 ug/L m

RT: 6.58 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VU037046.D

Acq: 04 Mar 2020 18:11

Instrument :

MSVOA_U

ClientSampleId :

C0AZ2

Tot Ion: 95 Resp:19651173

Ion Ratio Lower Upper

95 100

97 75.6 44.1 81.9

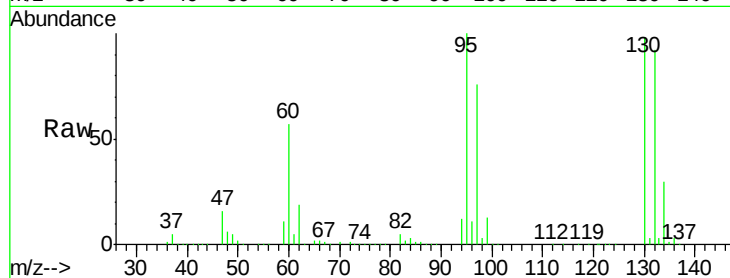
132 91.9 60.6 112.6

130 98.5 64.9 120.5

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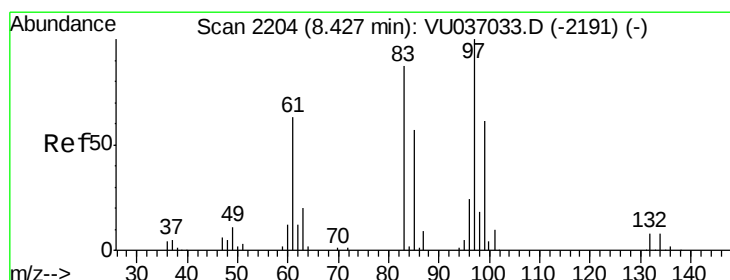
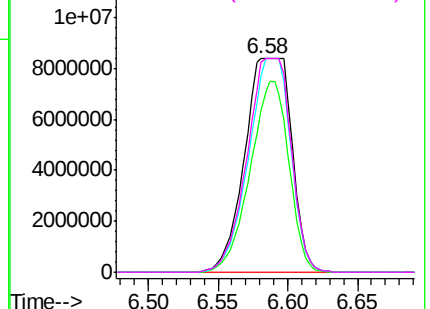
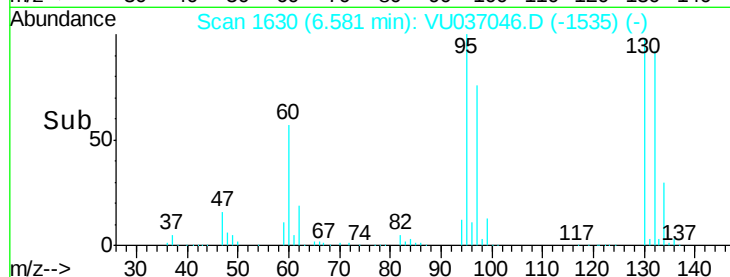


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#45

1,1,2-Trichloroethane

Concen: 3.858 ug/L

RT: 8.43 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VU037046.D

Acq: 04 Mar 2020 18:11

Tgt Ion: 97 Resp: 7194

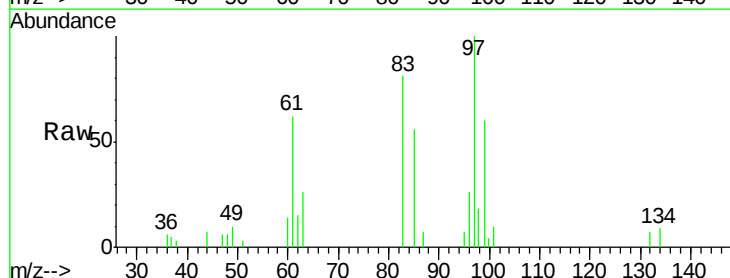
Ion Ratio Lower Upper

97 100

99 60.2 43.6 81.0

83 80.7 62.7 116.5

85 56.5 40.3 74.9

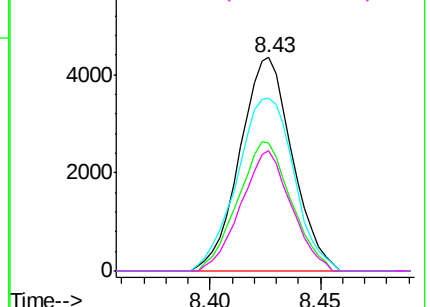
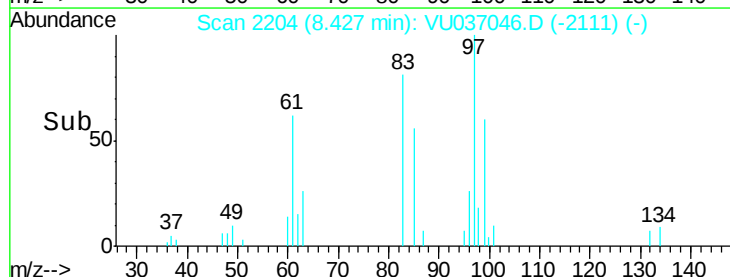


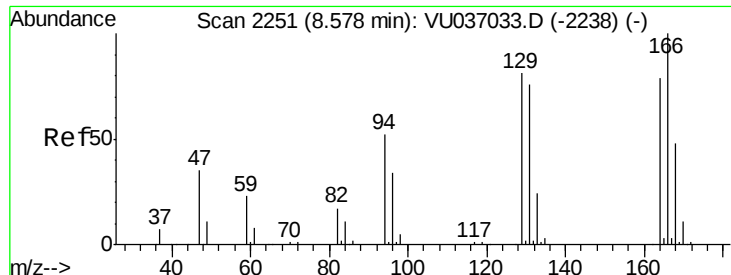
Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#46
Tetrachloroethene
Concen: 1.276 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU037046.D
Acq: 04 Mar 2020 18:11

Instrument :
MSVOA_U
ClientSampleId :
C0AZ2

Tot Ion:	164	Resp:	1609
Ion	Ratio	Lower	Upper
164	100		
129	94.9	72.0	133.8
131	85.4	67.9	126.1
166	108.7	87.1	161.7

Manual Integrations
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