

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040719\
 Data File : VU030838.D
 Acq On : 07 Apr 2019 06:05
 Operator : JC/SP
 Sample : K2249-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 E3YD6

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 3:17:09 PM

Quant Time: Apr 08 09:13:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 08 07:03:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	473941	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	463072	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	185043	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	215649	50.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.94%
7) Chloroethane-d5	1.68	69	166906	51.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.96%
11) 1,1-Dichloroethene-d2	2.27	63	328899	42.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.96%
21) 2-Butanone-d5	4.17	46	320096	95.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.46%
24) Chloroform-d	4.64	84	286434	44.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.64%
26) 1,2-Dichloroethane-d4	5.30	65	222048	50.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.70%
32) Benzene-d6	5.33	84	665153	49.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.32	67	227952	49.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.40%
41) Toluene-d8	7.56	98	557596	46.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.06%
43) trans-1,3-Dichloropropene-	7.85	79	84666	40.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.16%
47) 2-Hexanone-d5	8.31	63	191416	90.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.40%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	299587	47.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.88%
64) 1,2-Dichlorobenzene-d4	11.85	152	189090	51.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	553721	106.228	ug/L	96
8) Chloroethane	1.69	64	551097	185.366	ug/L	98
12) 1,1-Dichloroethene	2.28	96	73997m	22.587	ug/L	
13) Acetone	2.32	43	13000	3.789	ug/L	92
16) Methylene chloride	2.70	84	2881	0.724	ug/L	84
17) trans-1,2-Dichloroethene	2.98	96	73151	21.029	ug/L	94
19) 1,1-Dichloroethane	3.44	63	7101427	989.244	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	5087503	1324.569	ug/L #	98
27) 1,2-Dichloroethane	5.41	62	23221	4.217	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	2678585	474.637	ug/L	100
33) Benzene	5.39	78	18730m	1.236	ug/L	
34) Trichloroethene	6.19	95	22824	6.141	ug/L	95
46) Tetrachloroethene	8.22	164	25795	9.546	ug/L	86

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

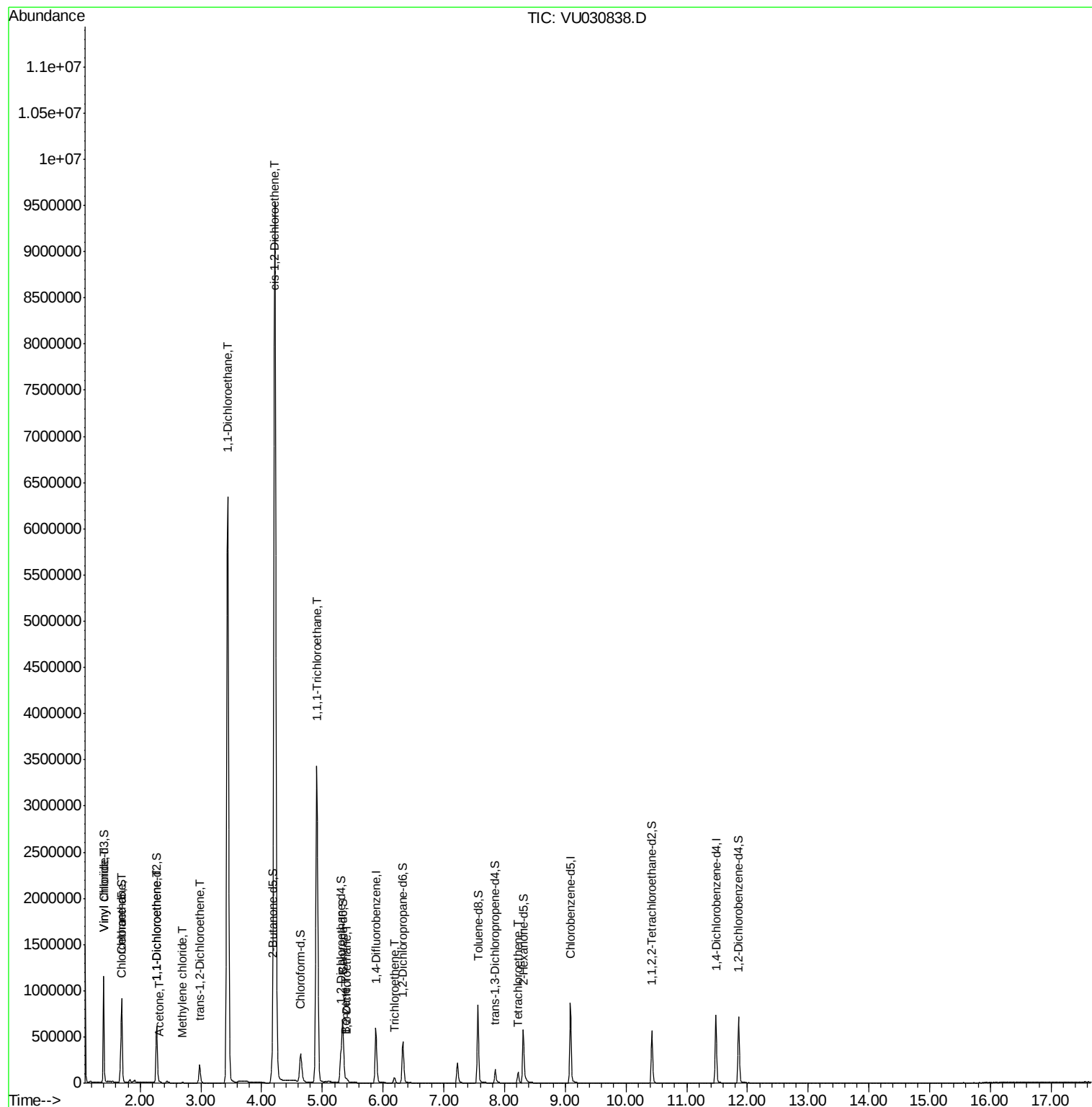
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU040719\
Data File : VU030838.D
Acq On : 07 Apr 2019 06:05
Operator : JC/SP
Sample : K2249-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 48 Sample Multiplier: 1

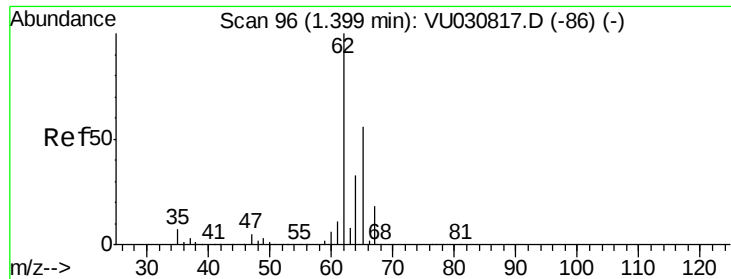
Instrument :
MSVOA_U
ClientSampleId :
E3YD6

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Quant Time: Apr 08 09:13:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 08 07:03:53 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 106.228 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU030838.D

Acq: 07 Apr 2019 06:05

Instrument :

MSVOA_U

ClientSampleId :

E3YD6

Tot Ion: 62 Resp: 553721

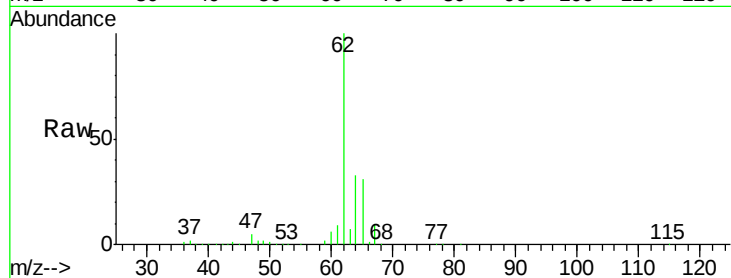
Ion Ratio Lower Upper

62 100

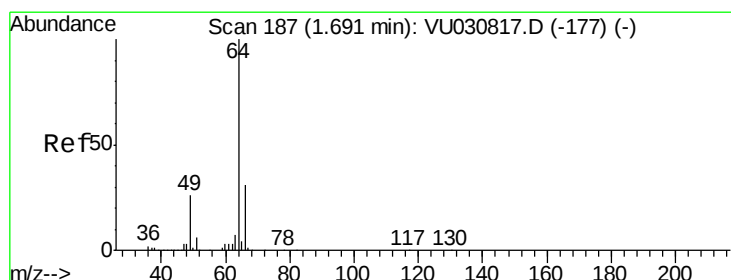
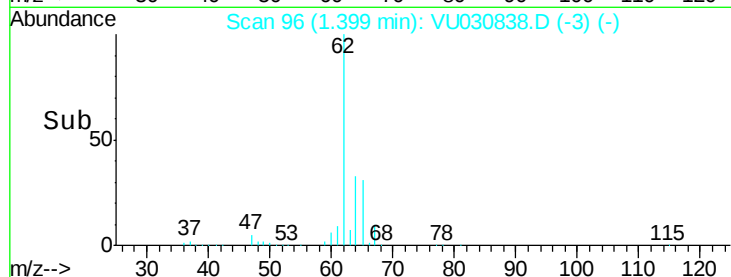
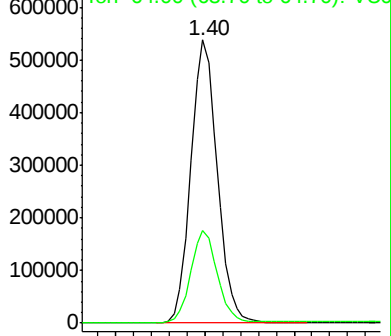
64 32.8 21.5 39.9

Manual Integrations
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Abundance Ion 62.00 (61.70 to 62.70): VU030838.D (-86) (-)



#8

Chloroethane

Concen: 185.366 ug/L

RT: 1.69 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU030838.D

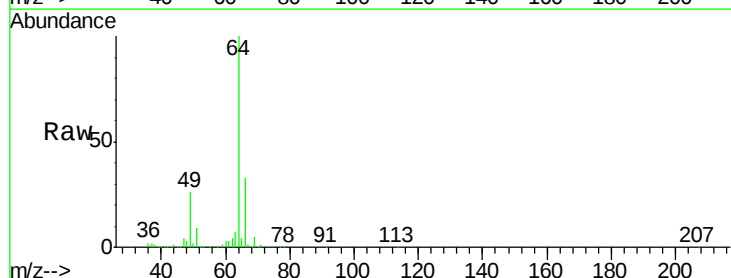
Acq: 07 Apr 2019 06:05

Tgt Ion: 64 Resp: 551097

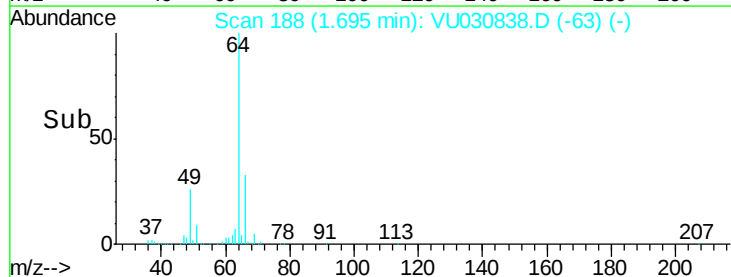
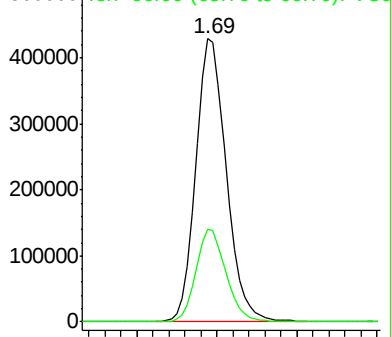
Ion Ratio Lower Upper

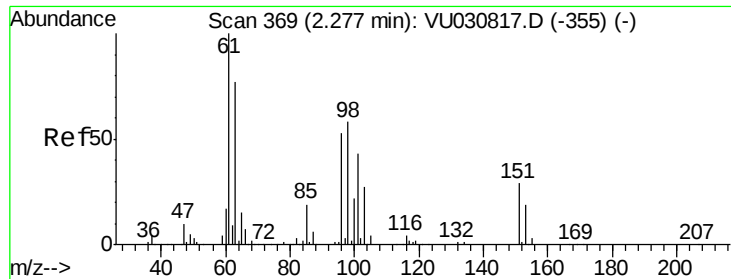
64 100

66 32.9 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VU030838.D (-177) (-)





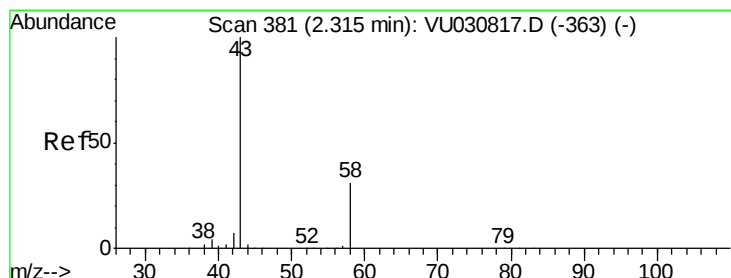
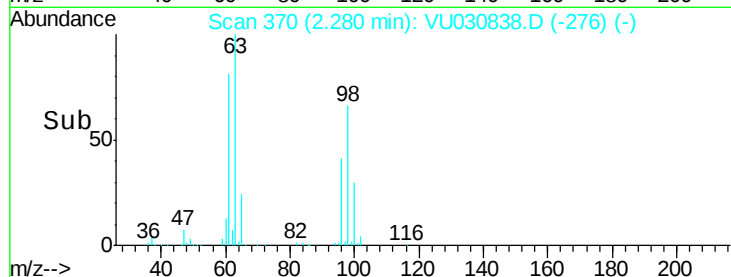
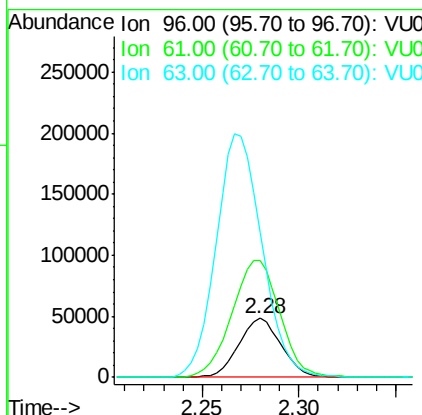
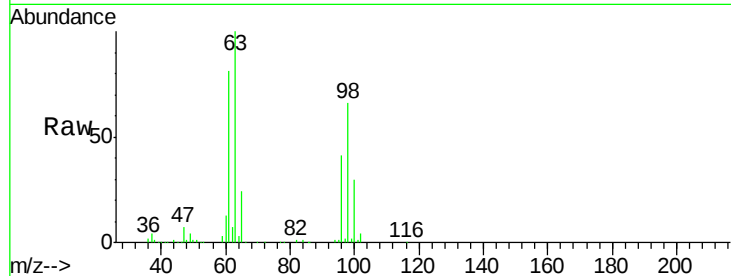
#12
 1,1-Dichloroethene
 Concen: 22.587 ug/L m
 RT: 2.28 min Scan# 370
 Delta R.T. 0.00 min
 Lab File: VU030838.D
 Acq: 07 Apr 2019 06:05

Instrument :
 MSVOA_U
 ClientSampled :
 E3YD6

Tot Ion	Ratio	Lower	Upper
96	100		
61	198.4	132.0	245.2
63	246.4	90.9	168.9#

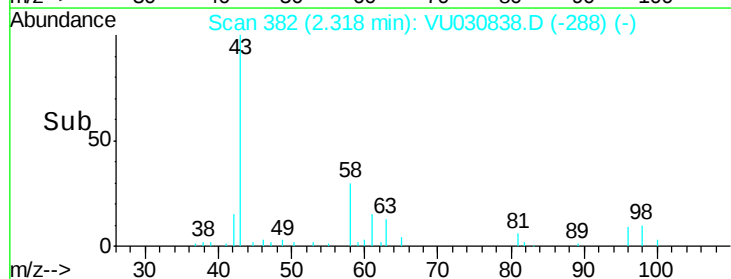
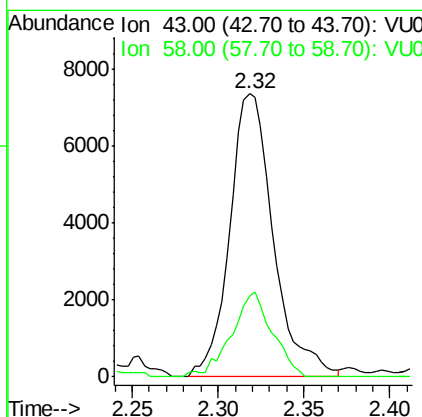
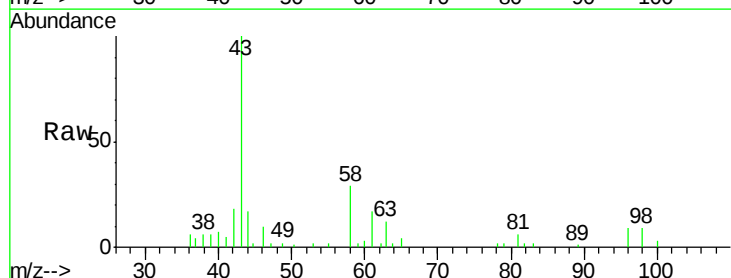
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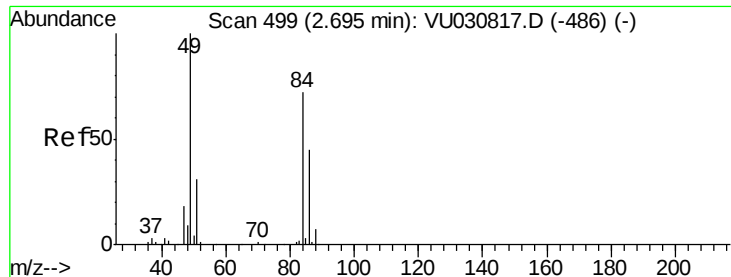
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#13
 Acetone
 Concen: 3.789 ug/L
 RT: 2.32 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VU030838.D
 Acq: 07 Apr 2019 06:05

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.4	0.0	64.0





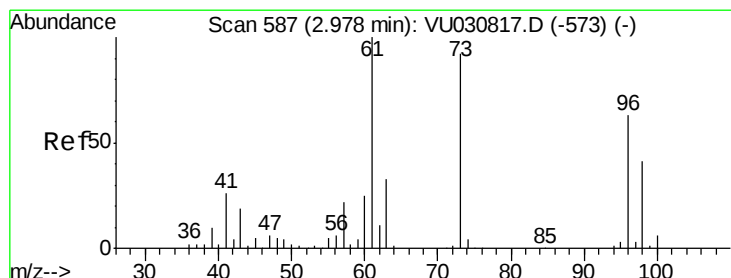
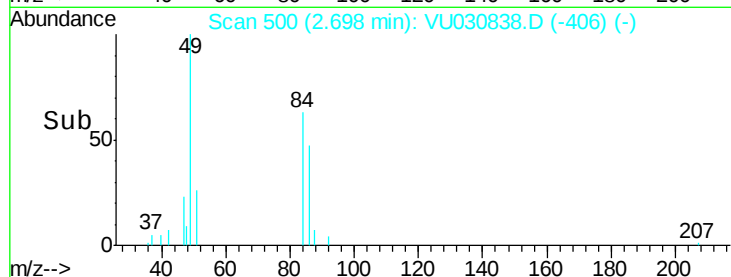
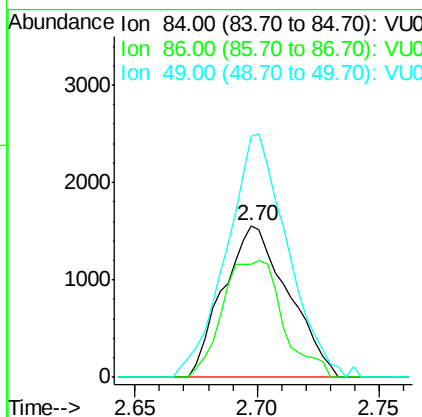
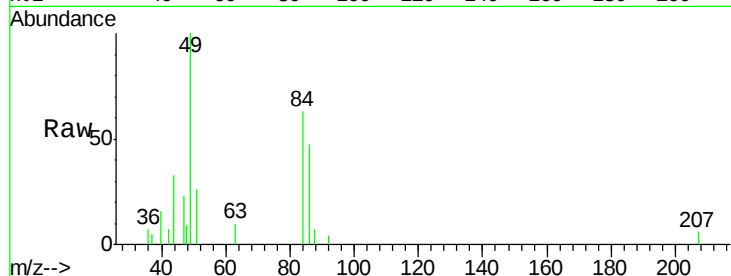
#16
Methvlene chloride
Concen: 0.724 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU030838.D
Acq: 07 Apr 2019 06:05

Instrument :
MSVOA_U
ClientSampleId :
E3YD6

Tot Ion	Ratio	Lower	Upper
84	100		
86	74.6	45.1	83.7
49	158.6	96.5	179.1

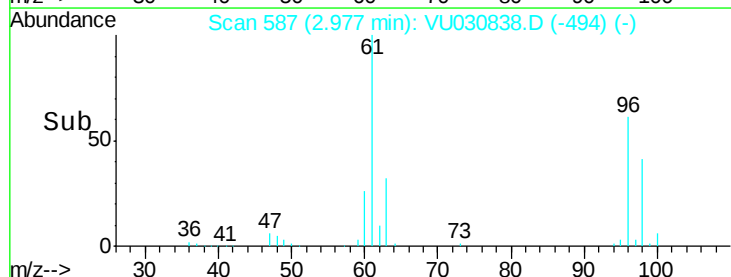
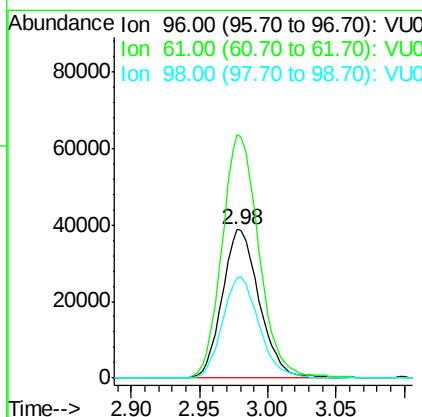
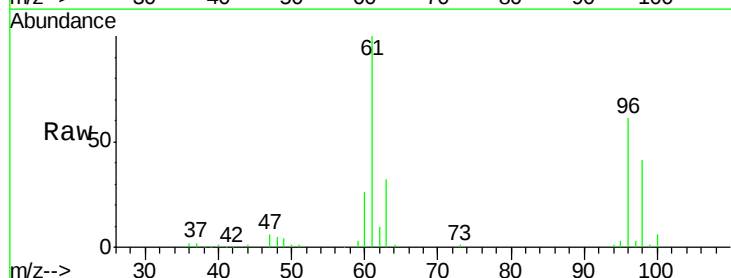
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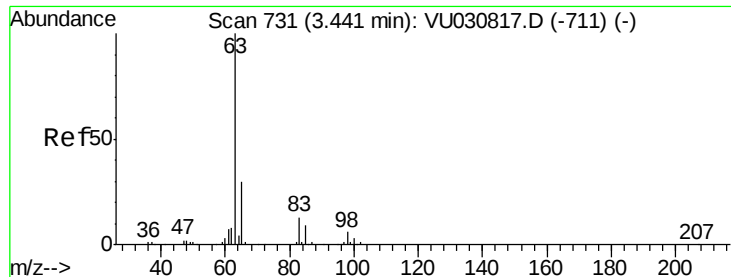
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#17
trans-1,2-Dichloroethene
Concen: 21.029 ug/L
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU030838.D
Acq: 07 Apr 2019 06:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.8	109.5	203.3
98	67.6	44.0	81.6





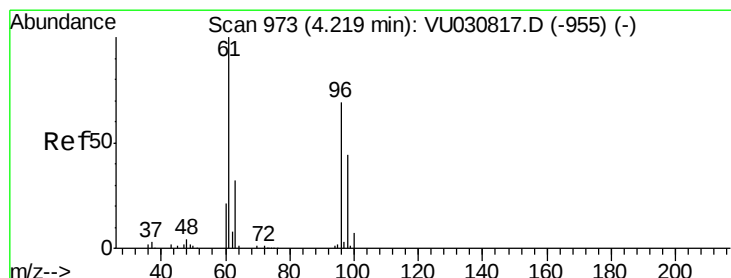
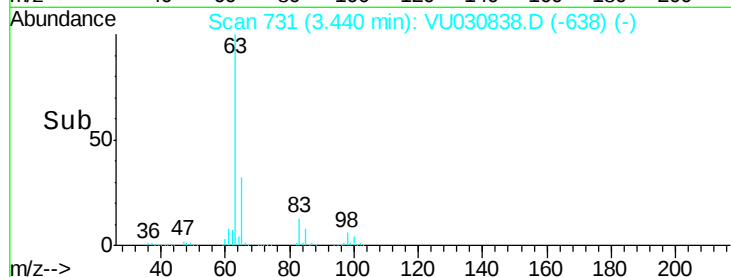
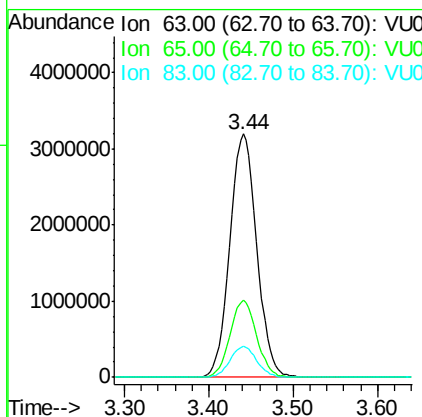
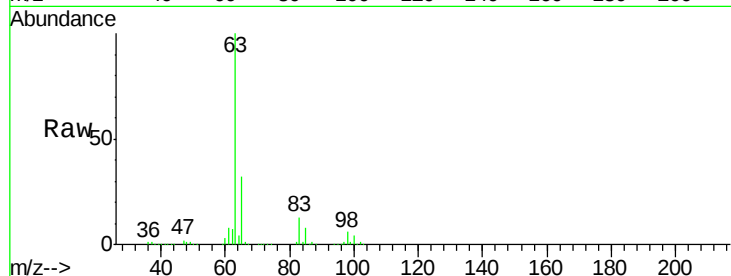
#19
 1,1-Dichloroethane
 Concen: 989.244 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU030838.D
 Acq: 07 Apr 2019 06:05

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD6

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	21.4	39.8
83	12.6	8.5	15.7

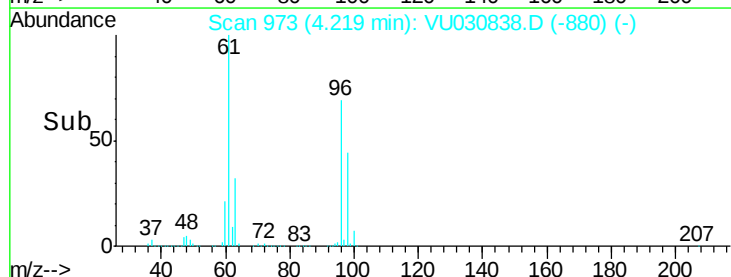
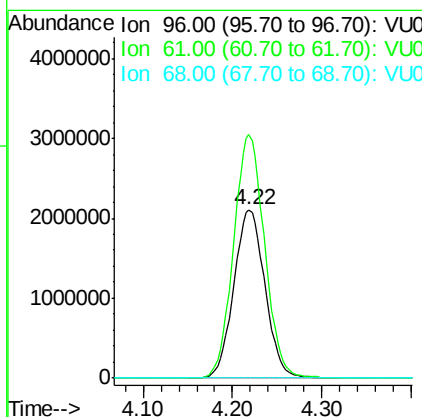
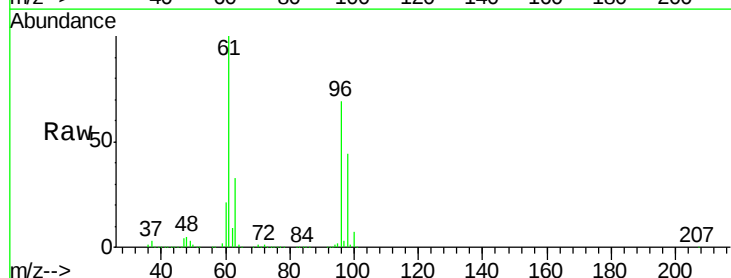
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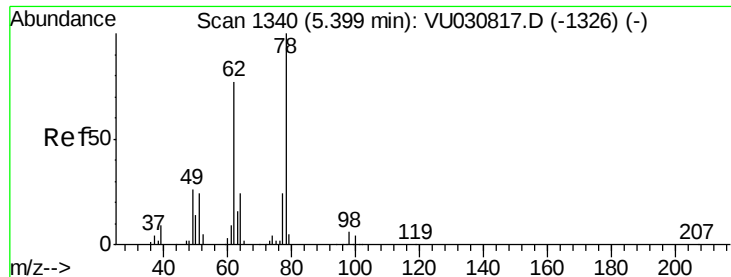
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#20
 cis-1,2-Dichloroethene
 Concen: 1324.569 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU030838.D
 Acq: 07 Apr 2019 06:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.4	102.9	191.1
68	0.0	0.0	0.0#





#27

1,2-Dichloroethane

Concen: 4.217 ug/L

RT: 5.41 min Scan# 1343

Delta R.T. 0.01 min

Lab File: VU030838.D

Acq: 07 Apr 2019 06:05

Instrument :

MSVOA_U

ClientSampleId :

E3YD6

Tot Ion: 62 Resp: 23221

Ion Ratio Lower Upper

62 100

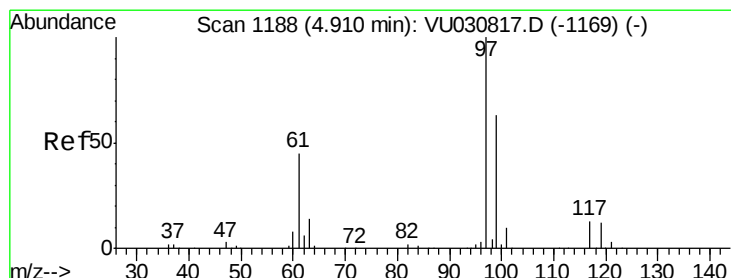
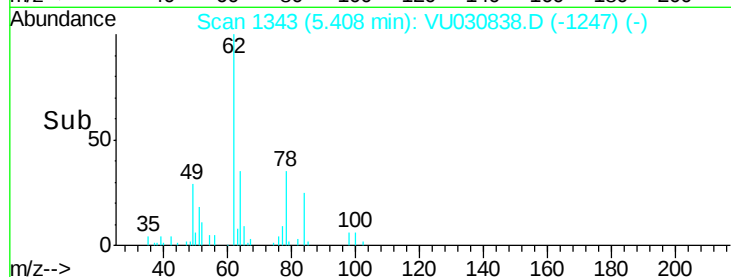
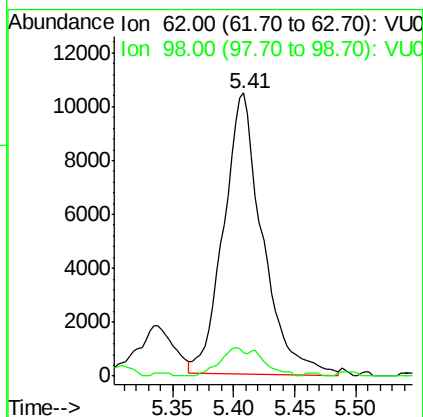
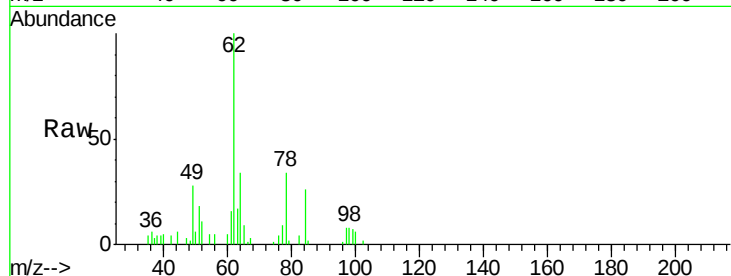
98 8.3 7.2 10.8

Manual Integrations

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#30

1,1,1-Trichloroethane

Concen: 474.637 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU030838.D

Acq: 07 Apr 2019 06:05

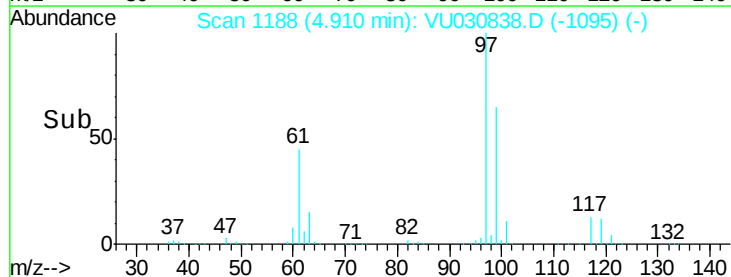
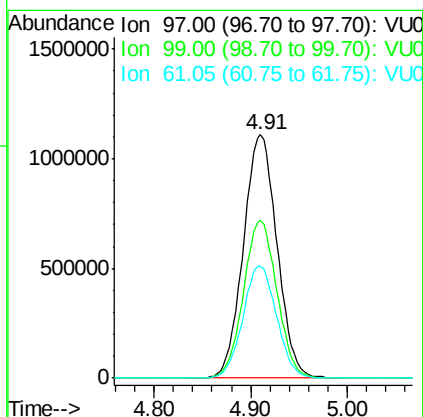
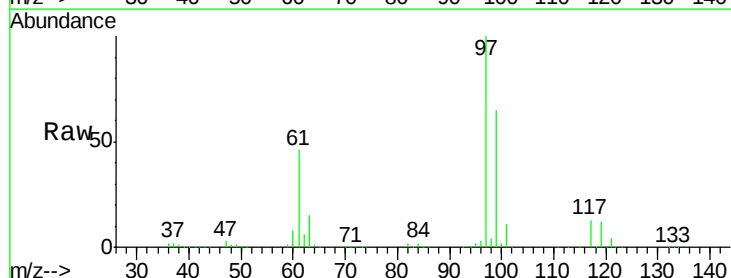
Tgt Ion: 97 Resp: 2678585

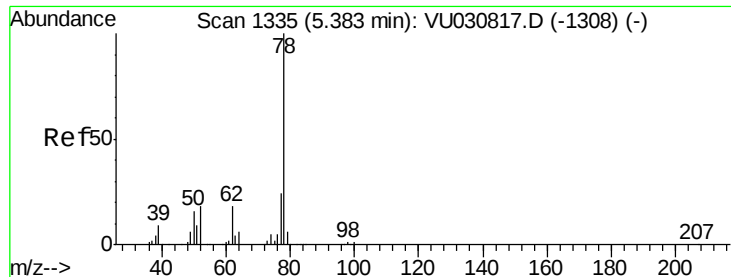
Ion Ratio Lower Upper

97 100

99 64.4 51.4 77.2

61 46.1 37.1 55.7





#33

Benzene

Concen: 1.236 ug/L m

RT: 5.39 min Scan# 1337

Delta R.T. 0.01 min

Lab File: VU030838.D

Acq: 07 Apr 2019 06:05

Instrument :

MSVOA_U

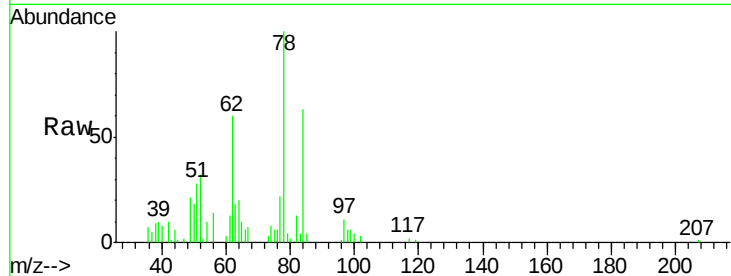
ClientSampleId :

E3YD6

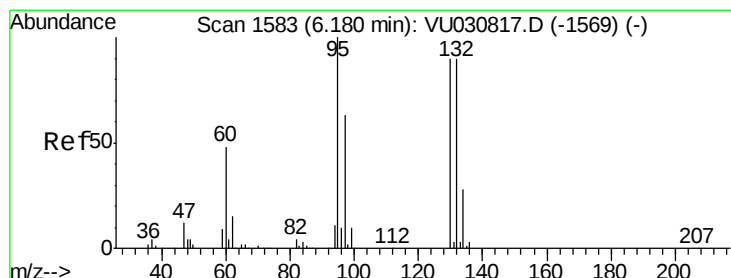
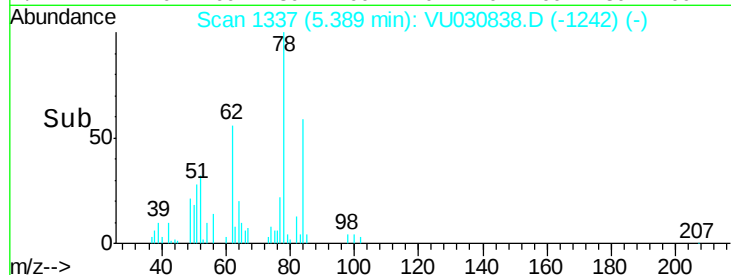
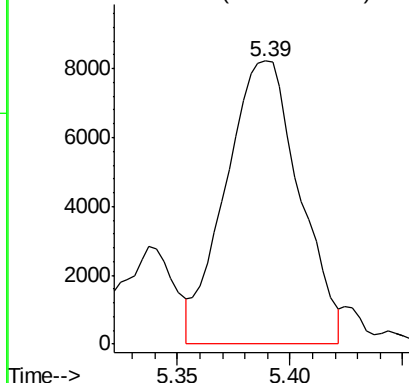
Tgt Ion: 78 Resp: 18730

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Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 6.141 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU030838.D

Acq: 07 Apr 2019 06:05

Tgt Ion: 95 Resp: 22824

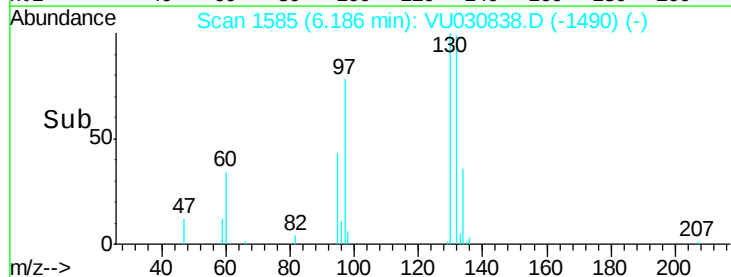
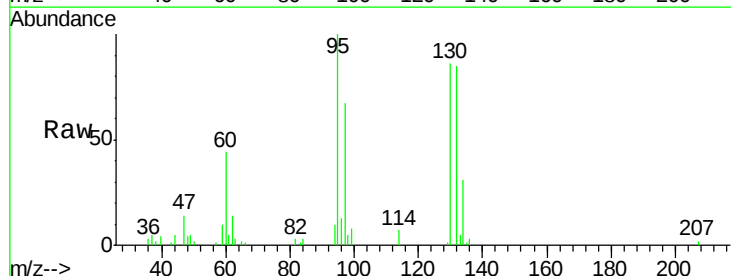
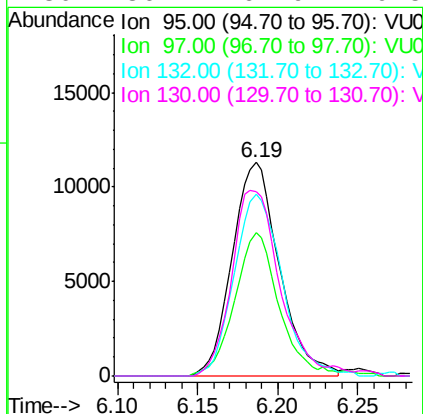
Ion	Ratio	Lower	Upper
95	100		
97	66.9	44.5	82.7
132	84.9	61.5	114.1
130	86.1	64.9	120.5

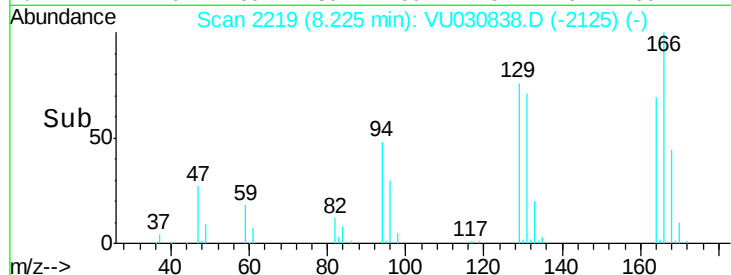
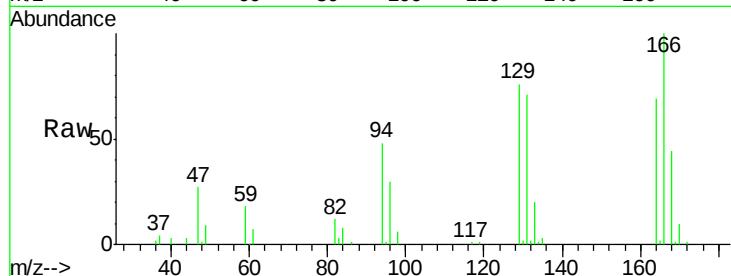
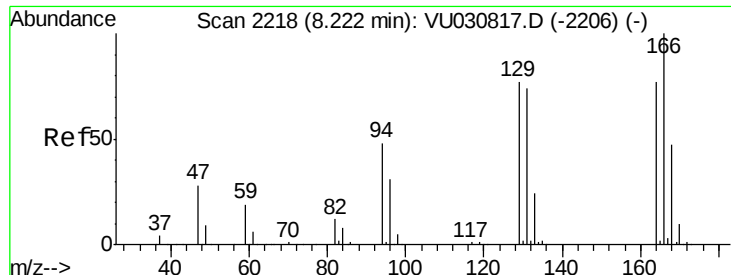
Ion 95.00 (94.70 to 95.70): VU0

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





#46

Tetrachloroethene

Concen: 9.546 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU030838.D

Acq: 07 Apr 2019 06:05

Tot Ion:164 Resp: 25795

Ion Ratio Lower Upper

164 100

129 111.1 67.4 125.2

131 103.1 65.9 122.5

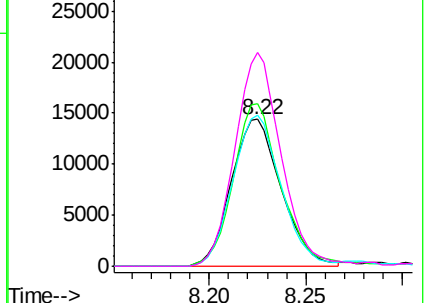
166 145.4 88.6 164.6

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



Instrument :

MSVOA_U

ClientSampleId :

E3YD6

Manual Integrations

APPROVED

MMDadoda

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