

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040619\
 Data File : VU030780.D
 Acq On : 06 Apr 2019 06:47
 Operator : JC/SP
 Sample : K2249-06DL 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD5DL

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 2:49:41 PM

Quant Time: Apr 08 01:56:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 08 01:03:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	459172	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	449094	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	187236	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	221013	53.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.84%
7) Chloroethane-d5	1.68	69	168289	54.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.20%
11) 1,1-Dichloroethene-d2	2.27	63	302695m	40.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.66%
21) 2-Butanone-d5	4.17	46	351129	108.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.09%
24) Chloroform-d	4.64	84	306089m	48.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.78%
26) 1,2-Dichloroethane-d4	5.31	65	221389	51.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.64%
32) Benzene-d6	5.34	84	668728	51.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.02%
36) 1,2-Dichloropropane-d6	6.32	67	228766	50.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.84%
41) Toluene-d8	7.56	98	568330	48.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.82%
43) trans-1,3-Dichloropropene-	7.85	79	96899	47.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.60%
47) 2-Hexanone-d5	8.31	63	205079	99.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.87%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	305309	50.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.76%
64) 1,2-Dichlorobenzene-d4	11.86	152	190915	51.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.70%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	151261	29.952	ug/L	95
8) Chloroethane	1.70	64	10582	3.674	ug/L	94
17) trans-1,2-Dichloroethene	2.98	96	6569	1.949	ug/L	95
19) 1,1-Dichloroethane	3.44	63	382231	54.958	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	269388	72.393	ug/L	97
30) 1,1,1-Trichloroethane	4.91	97	83241	15.209	ug/L	99
34) Trichloroethene	6.19	95	5067	1.406	ug/L	86
46) Tetrachloroethene	8.22	164	2322	0.886	ug/L	92

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

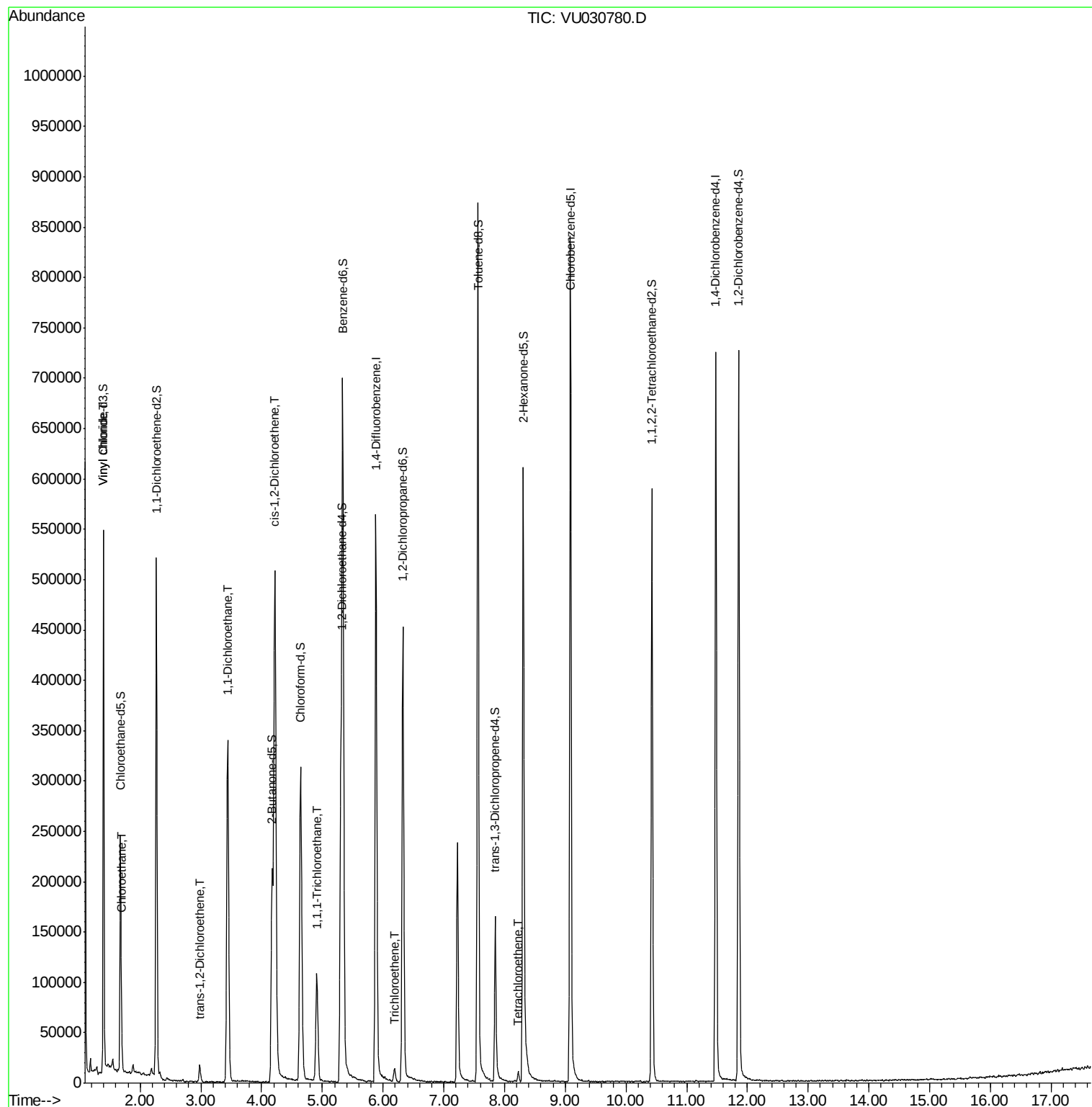
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040619\
Data File : VU030780.D
Acq On : 06 Apr 2019 06:47
Operator : JC/SP
Sample : K2249-06DL 20X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 37 Sample Multiplier: 1

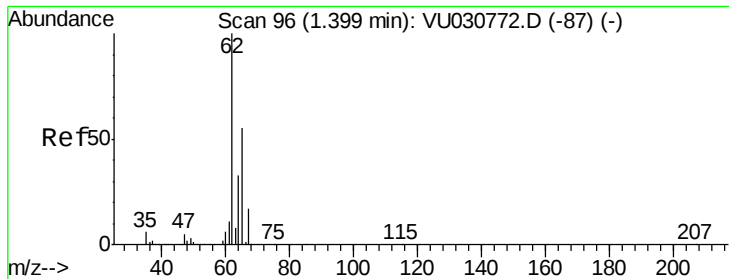
Instrument :
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Quant Time: Apr 08 01:56:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 08 01:03:28 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 29.952 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU030780.D

Acq: 06 Apr 2019 06:47

Instrument :

MSVOA_U

ClientSampleId :

E3YD5DL

Tot Ion: 62 Resp: 151261

Ion Ratio Lower Upper

62 100

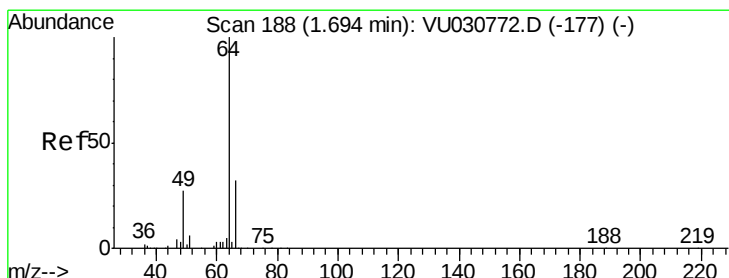
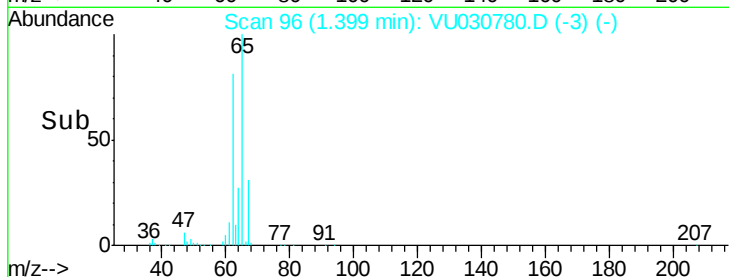
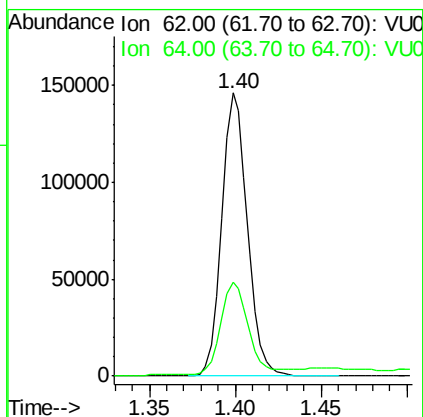
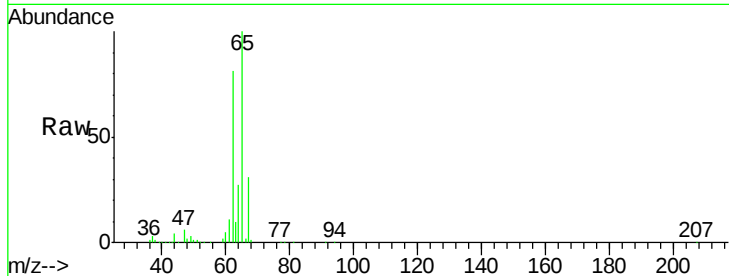
64 33.3 21.5 39.9

Manual Integrations

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#8

Chloroethane

Concen: 3.674 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU030780.D

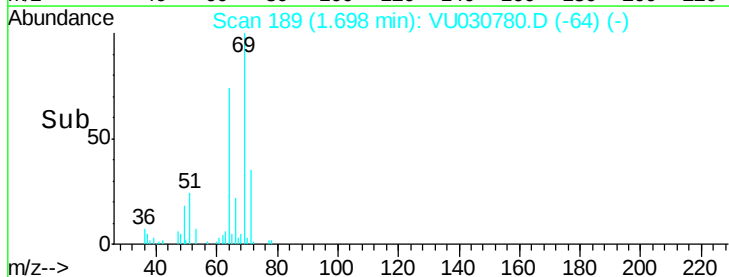
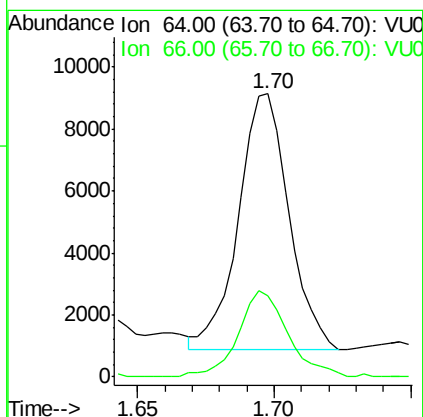
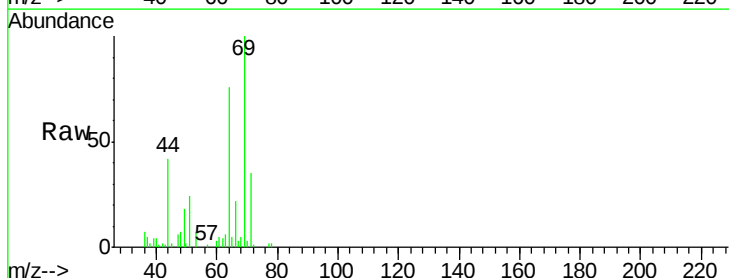
Acq: 06 Apr 2019 06:47

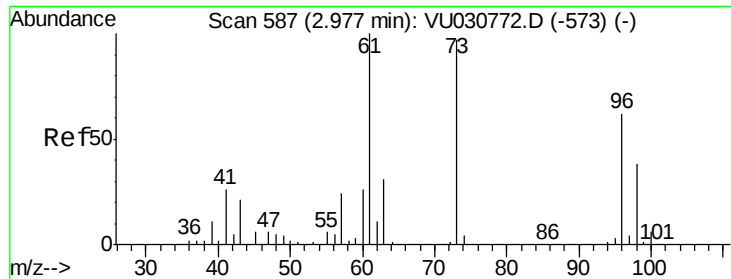
Tgt Ion: 64 Resp: 10582

Ion Ratio Lower Upper

64 100

66 28.5 22.4 41.6





#17

trans-1,2-Dichloroethene

Concen: 1.949 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU030780.D

Acq: 06 Apr 2019 06:47

Instrument :

MSVOA_U

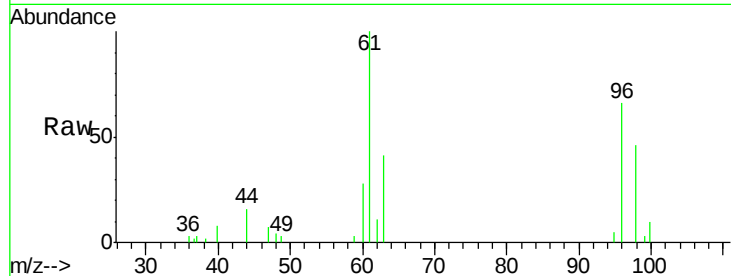
ClientSampleId :

E3YD5DL

Tot Ion:	96	Resp:	6569
Ion	Ratio	Lower	Upper
96	100		
61	150.7	109.5	203.3
98	69.2	44.0	81.6

Manual Integrations
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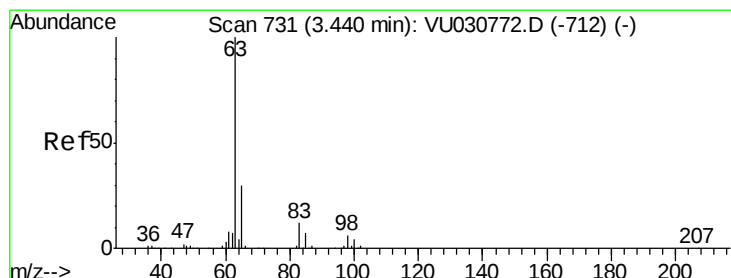
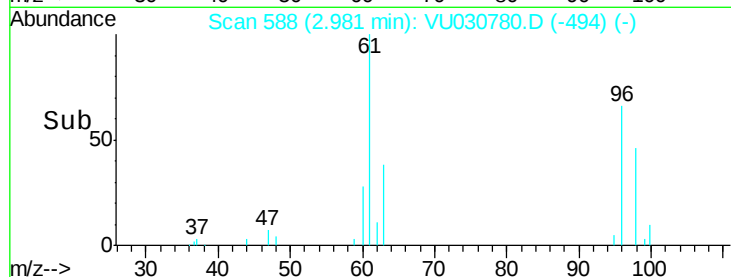
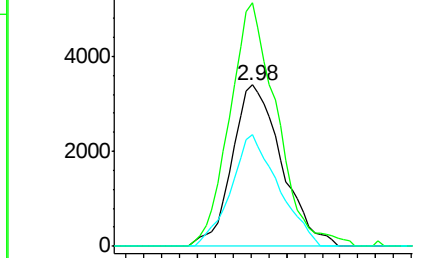
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Abundance Ion 96.00 (95.70 to 96.70): VU030772.D (-573) (-)

Ion 61.00 (60.70 to 61.70): VU030772.D (-573) (-)

Ion 98.00 (97.70 to 98.70): VU030772.D (-573) (-)



#19

1,1-Dichloroethane

Concen: 54.958 ug/L

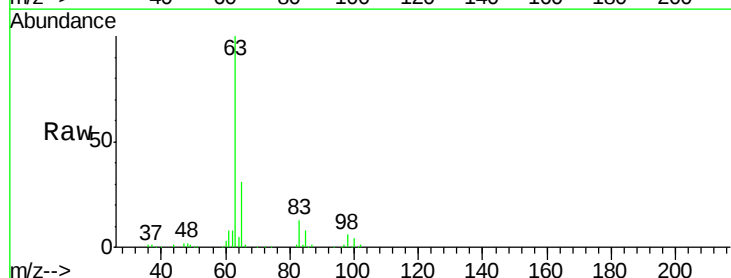
RT: 3.44 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU030780.D

Acq: 06 Apr 2019 06:47

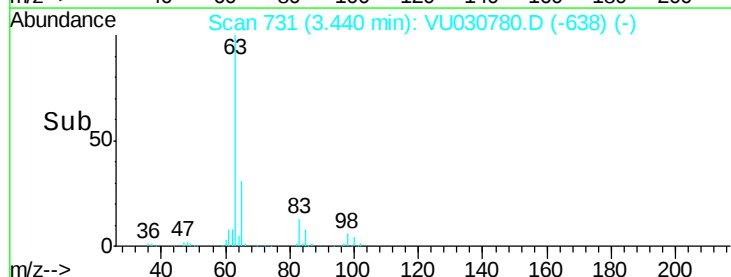
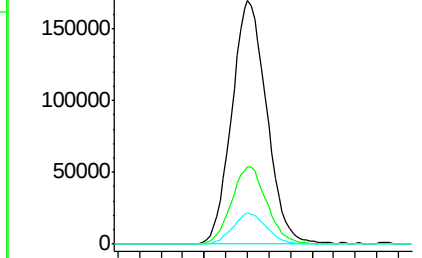
Tgt Ion:	63	Resp:	382231
Ion	Ratio	Lower	Upper
63	100		
65	31.5	21.4	39.8
83	12.6	8.5	15.7

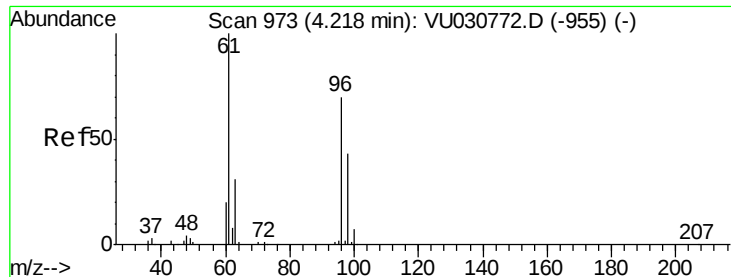


Abundance Ion 63.00 (62.70 to 63.70): VU030772.D (-712) (-)

Ion 65.00 (64.70 to 65.70): VU030772.D (-712) (-)

Ion 83.00 (82.70 to 83.70): VU030772.D (-712) (-)





#20

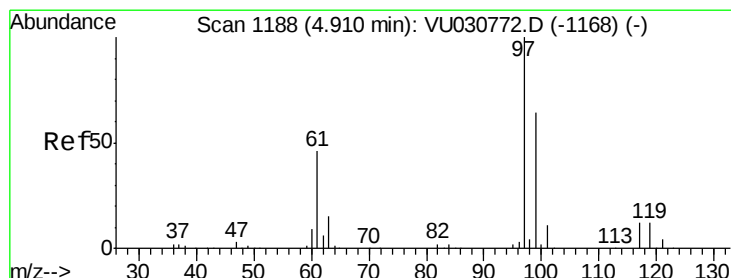
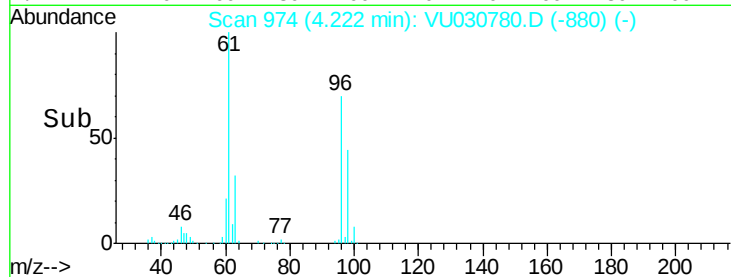
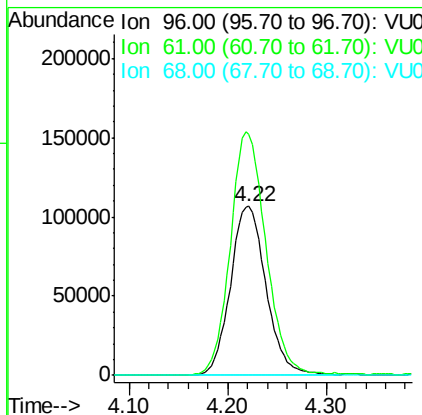
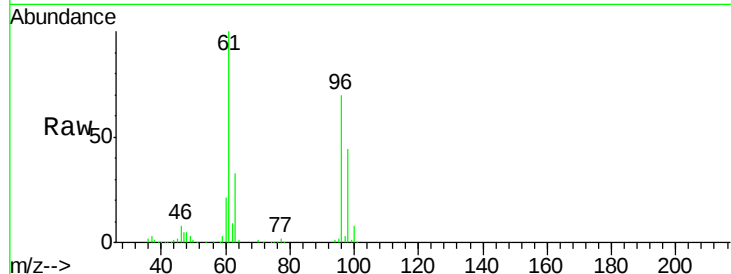
cis-1,2-Dichloroethene
 Concen: 72.393 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU030780.D
 Acq: 06 Apr 2019 06:47

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD5DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	142.9	102.9	191.1		
68	0.0	0.0	0.0		

Manual Integrations
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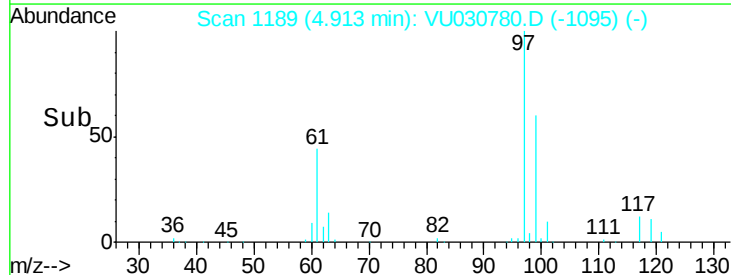
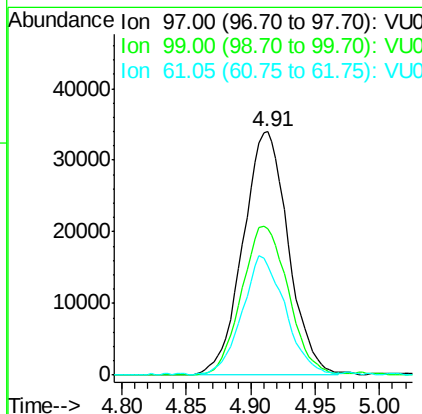
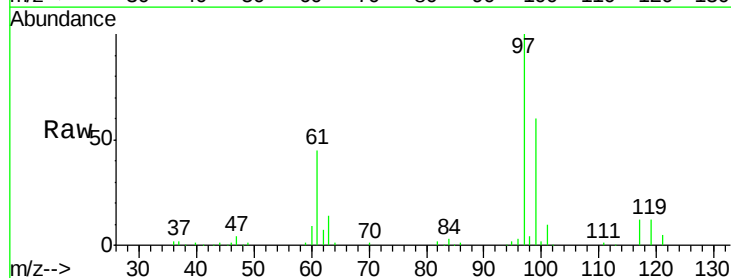
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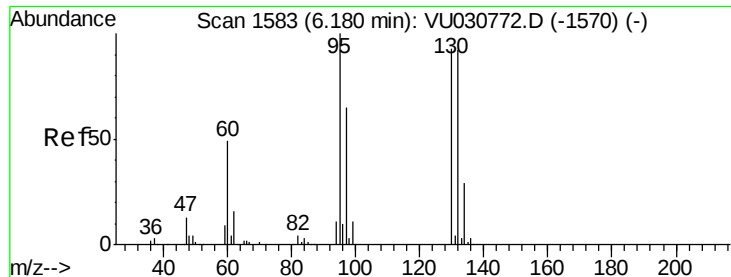


#30

1,1,1-Trichloroethane
 Concen: 15.209 ug/L
 RT: 4.91 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VU030780.D
 Acq: 06 Apr 2019 06:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
99	62.8	51.4	77.2		
61	46.6	37.1	55.7		





#34

Trichloroethene

Concen: 1.406 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU030780.D

Acq: 06 Apr 2019 06:47

Instrument :

MSVOA_U

ClientSampleId :

E3YD5DL

Tot Ion: 95 Resp: 5067

Ion Ratio Lower Upper

95 100

97 52.0 44.5 82.7

132 74.2 61.5 114.1

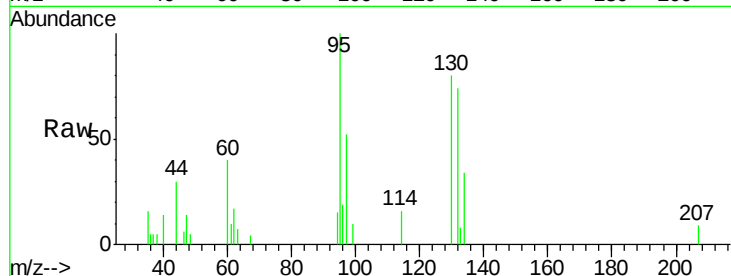
130 79.7 64.9 120.5

Manual Integrations

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4/8/2019 2:49:41 PM

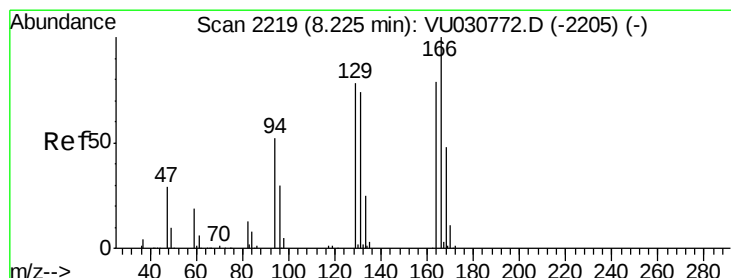
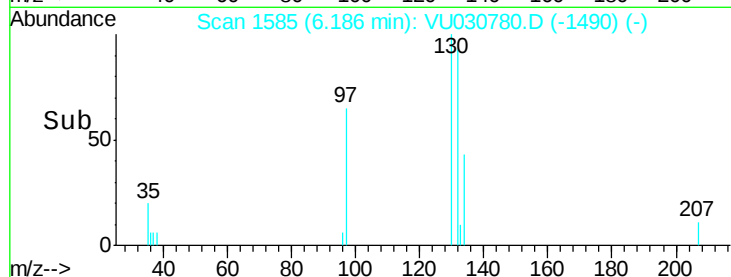
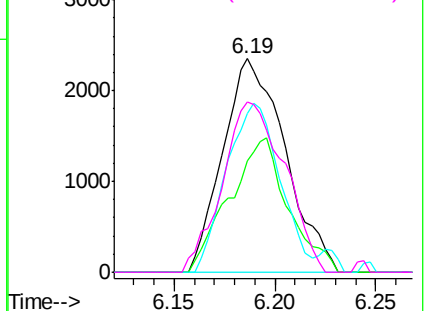


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#46

Tetrachloroethene

Concen: 0.886 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU030780.D

Acq: 06 Apr 2019 06:47

Tgt Ion:164 Resp: 2322

Ion Ratio Lower Upper

164 100

129 114.1 67.4 125.2

131 99.2 65.9 122.5

166 130.3 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

