

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031102.D
 Acq On : 12 Apr 2019 04:26
 Operator : JC/SP
 Sample : K2299-31
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 94 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB713

Manual Integrations
 APPROVED

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 4/12/2019 5:46:47 PM

Quant Time: Apr 12 08:18:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 12 07:24:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	524572	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	524282	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	227449	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	166364	35.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.06%
7) Chloroethane-d5	1.68	69	140197	39.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.90%
11) 1,1-Dichloroethene-d2	2.27	63	240064	28.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.68%#
21) 2-Butanone-d5	4.17	46	338414	91.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.18%
24) Chloroform-d	4.64	84	314490	43.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.92%
26) 1,2-Dichloroethane-d4	5.30	65	217842	44.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.26%
32) Benzene-d6	5.33	84	614999	40.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.36%
36) 1,2-Dichloropropane-d6	6.32	67	220576	42.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.10%
41) Toluene-d8	7.56	98	534275	39.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.76%#
43) trans-1,3-Dichloropropene-	7.85	79	90595	37.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.76%
47) 2-Hexanone-d5	8.31	63	199109	83.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	315968	44.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.32%
64) 1,2-Dichlorobenzene-d4	11.85	152	207536	46.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	85226	14.772	ug/L	90
13) Acetone	2.32	43	49350	12.995	ug/L	97
17) trans-1,2-Dichloroethene	2.99	96	4639m	1.205	ug/L	
20) cis-1,2-Dichloroethene	4.22	96	497444	117.013	ug/L	92
25) Chloroform	4.67	83	50158	6.281	ug/L	96
34) Trichloroethene	6.18	95	241193	57.318	ug/L	96
38) Bromodichloromethane	6.76	83	14600	2.491	ug/L	89
46) Tetrachloroethene	8.22	164	46629	15.242	ug/L	94
49) Dibromochloromethane	8.48	129	5435	1.243	ug/L	99

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

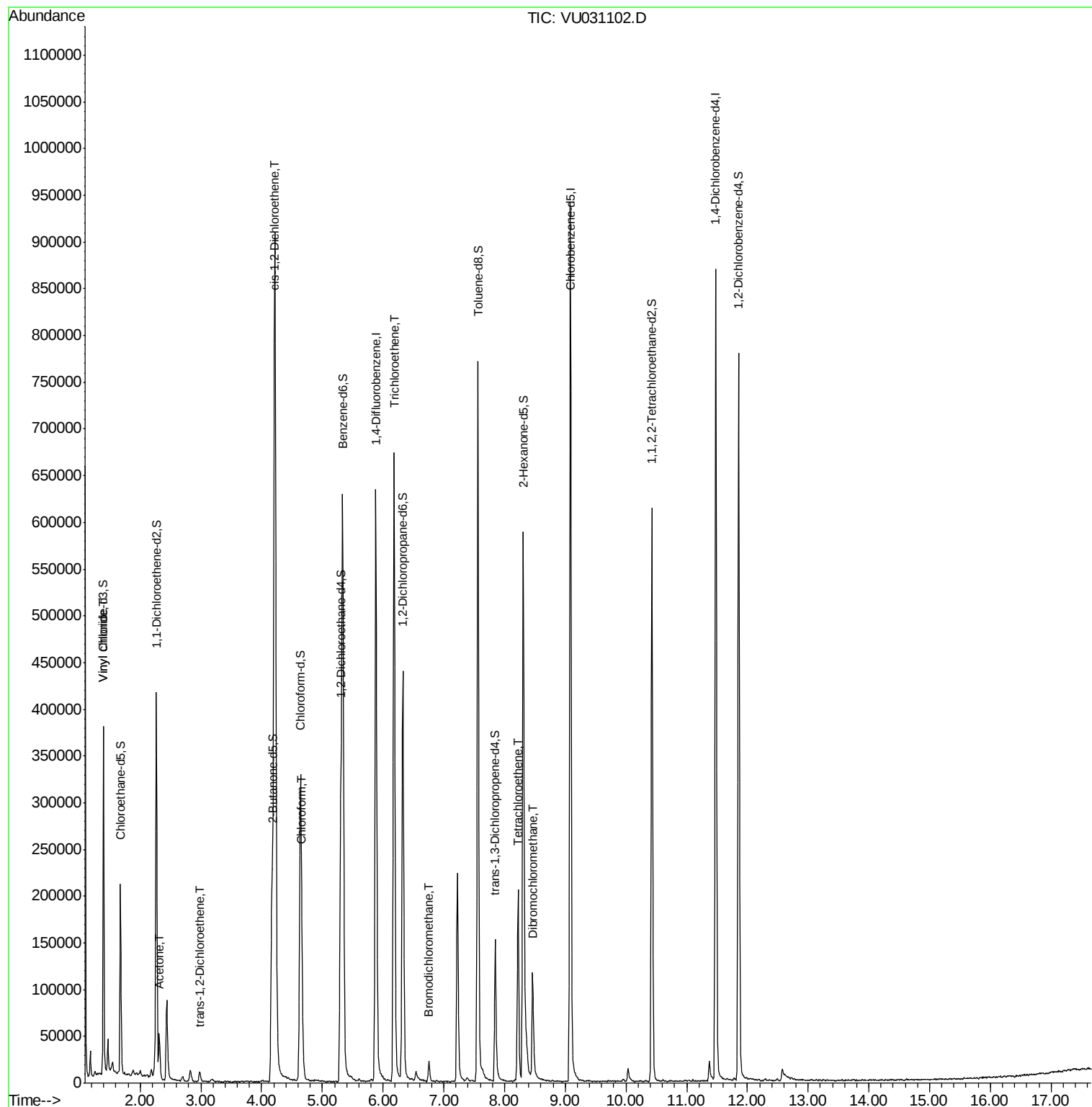
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU041119\
Data File : VU031102.D
Acq On : 12 Apr 2019 04:26
Operator : JC/SP
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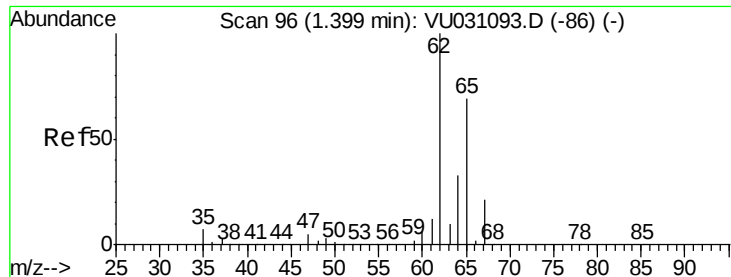
Instrument :
MSVOA_U
ClientSampled :
DB713

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Quant Time: Apr 12 08:18:14 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 12 07:24:02 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 14.772 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031102.D

Acq: 12 Apr 2019 04:26

Instrument :

MSVOA_U

ClientSampleId :

DB713

Tot Ion: 62 Resp: 85226

Ion Ratio Lower Upper

62 100

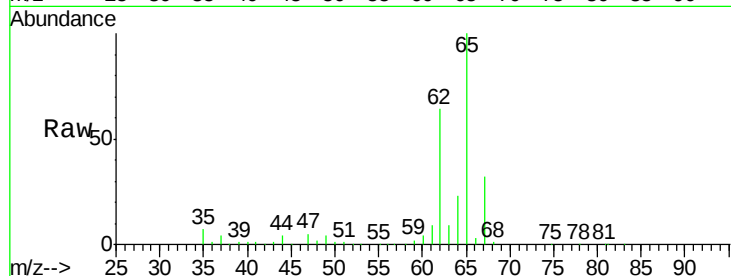
64 36.4 21.5 39.9

Manual Integrations

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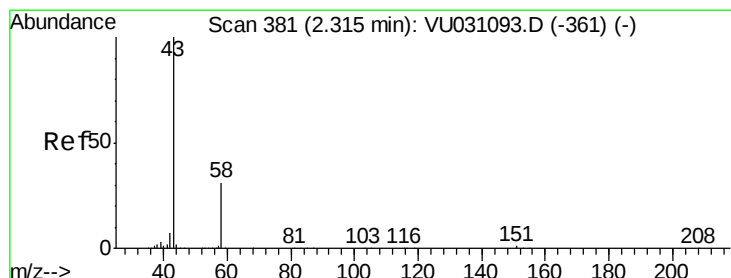
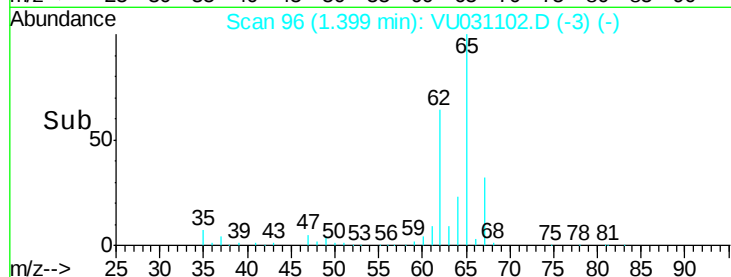
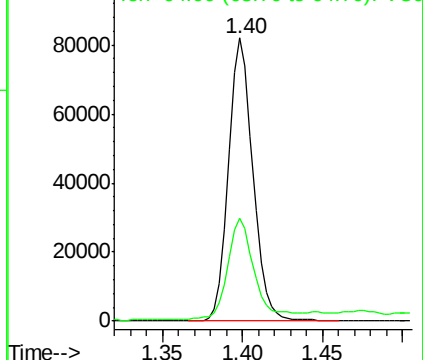
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Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#13

Acetone

Concen: 12.995 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU031102.D

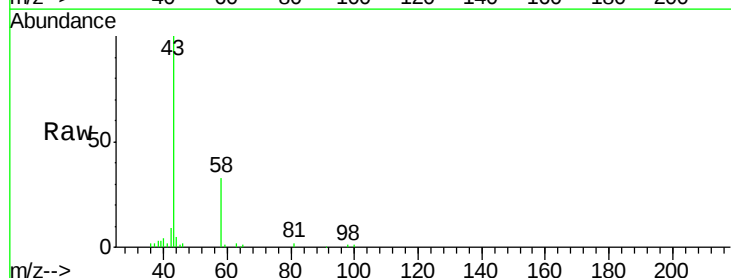
Acq: 12 Apr 2019 04:26

Tgt Ion: 43 Resp: 49350

Ion Ratio Lower Upper

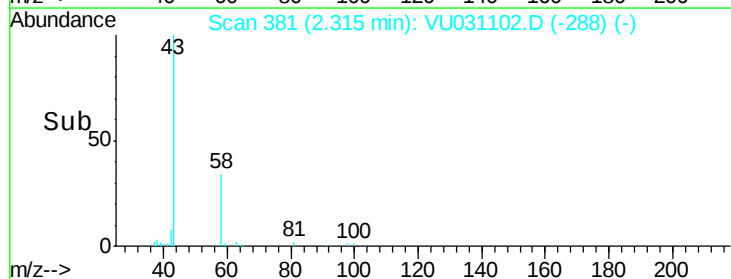
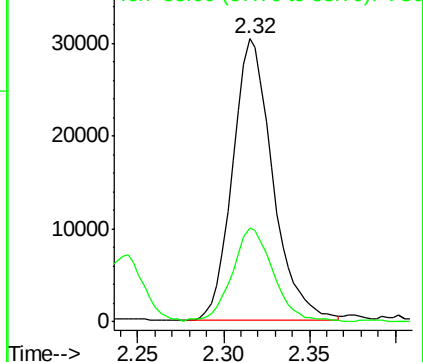
43 100

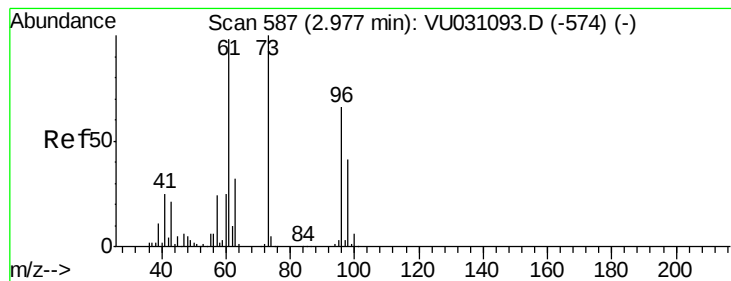
58 33.9 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 1.205 ug/L m

RT: 2.99 min Scan# 590

Delta R.T. 0.01 min

Lab File: VU031102.D

Acq: 12 Apr 2019 04:26

Instrument :

MSVOA_U

ClientSampled :

DB713

Tot Ion: 96 Resp: 4639

Ion Ratio Lower Upper

96 100

61 131.9 109.5 203.3

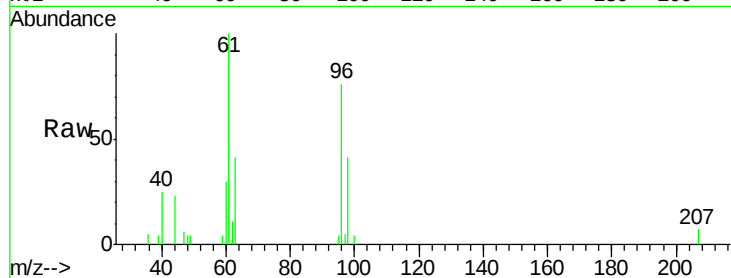
98 54.5 44.0 81.6

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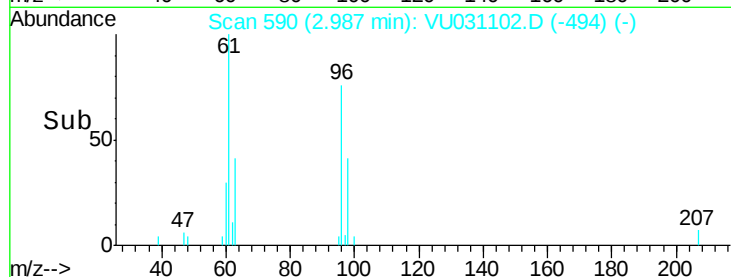


Abundance Ion 96.00 (95.70 to 96.70): VU031102.D (-494) (-)

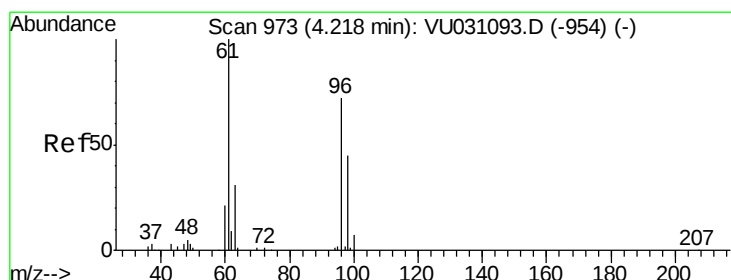
Ion 61.00 (60.70 to 61.70): VU031102.D (-494) (-)

Ion 98.00 (97.70 to 98.70): VU031102.D (-494) (-)

Time-->



Time-->



#20

cis-1,2-Dichloroethene

Concen: 117.013 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU031102.D

Acq: 12 Apr 2019 04:26

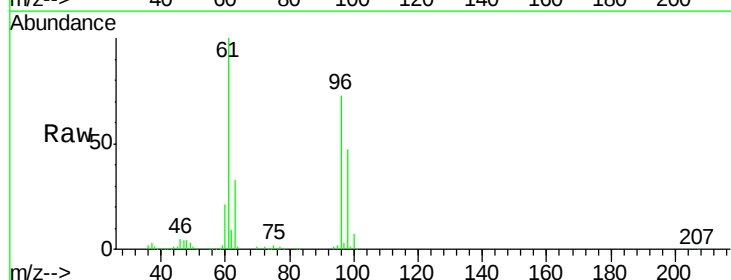
Tgt Ion: 96 Resp: 497444

Ion Ratio Lower Upper

96 100

61 137.2 102.9 191.1

68 0.0 0.0 0.0

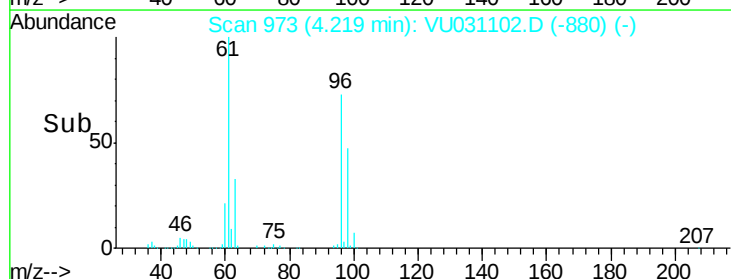


Abundance Ion 96.00 (95.70 to 96.70): VU031102.D (-880) (-)

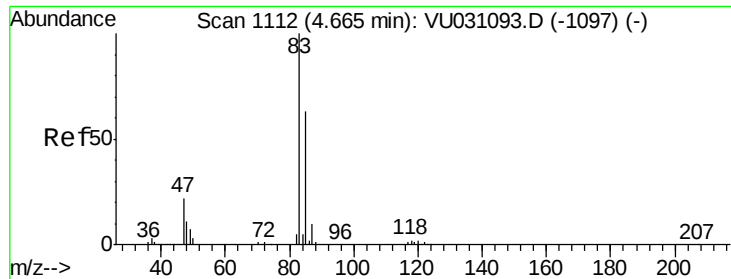
Ion 61.00 (60.70 to 61.70): VU031102.D (-880) (-)

Ion 68.00 (67.70 to 68.70): VU031102.D (-880) (-)

Time-->



Time-->



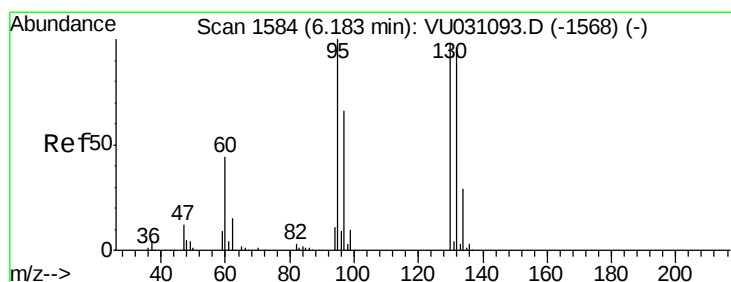
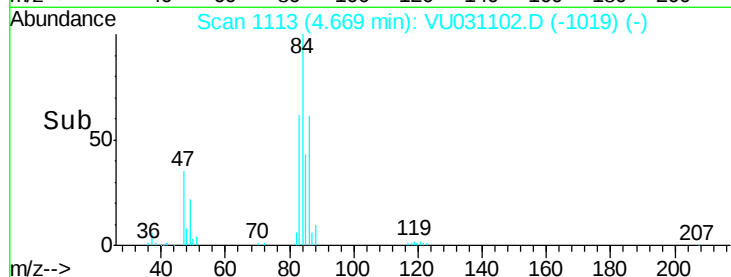
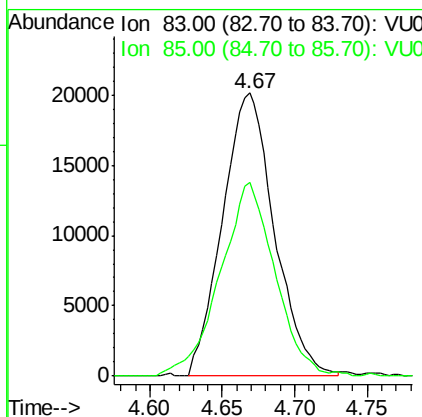
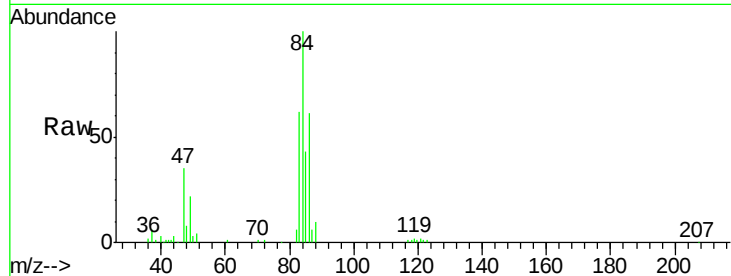
#25
Chloroform
Concen: 6.281 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031102.D
Acq: 12 Apr 2019 04:26

Instrument :
MSVOA_U
ClientSampleId :
DB713

Tot Ion	83	Resp	50158
Ion Ratio	100	Lower	Upper
85	68.4	45.8	85.0

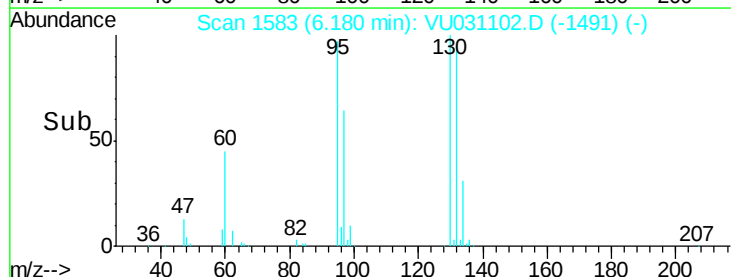
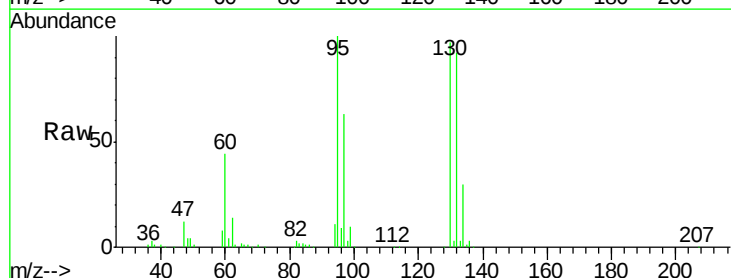
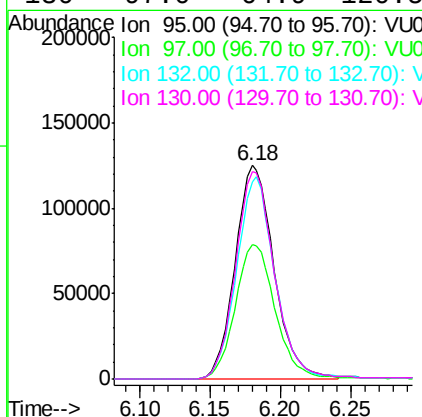
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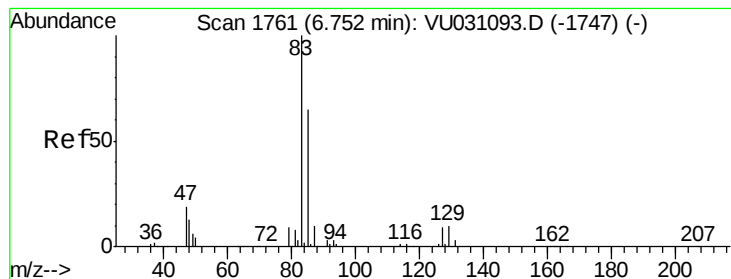
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#34
Trichloroethene
Concen: 57.318 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VU031102.D
Acq: 12 Apr 2019 04:26

Tgt Ion	95	Resp	241193
Ion Ratio	100	Lower	Upper
97	62.7	44.5	82.7
132	92.5	61.5	114.1
130	97.0	64.9	120.5





#38

Bromodichloromethane

Concen: 2.491 ug/L

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU031102.D

Acq: 12 Apr 2019 04:26

Instrument :

MSVOA_U

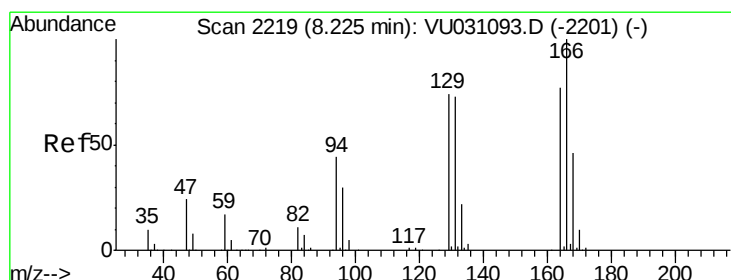
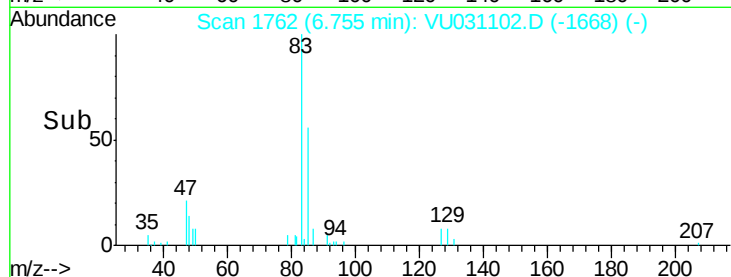
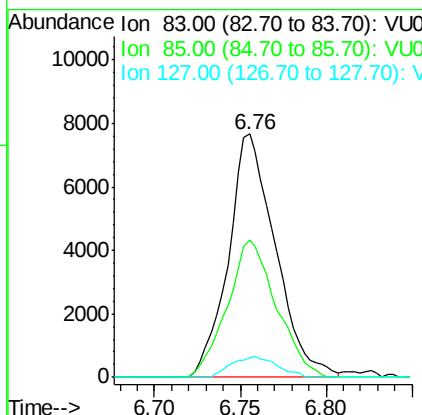
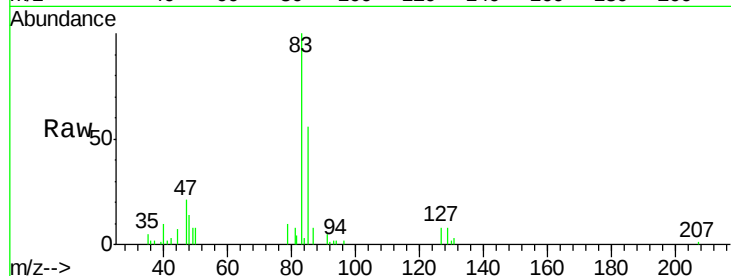
ClientSampleId :

DB713

Tot Ion:	83	Resp:	14600
Ion	Ratio	Lower	Upper
83	100		
85	56.4	46.5	86.3
127	8.2	6.6	10.0

Manual Integrations
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#46

Tetrachloroethene

Concen: 15.242 ug/L

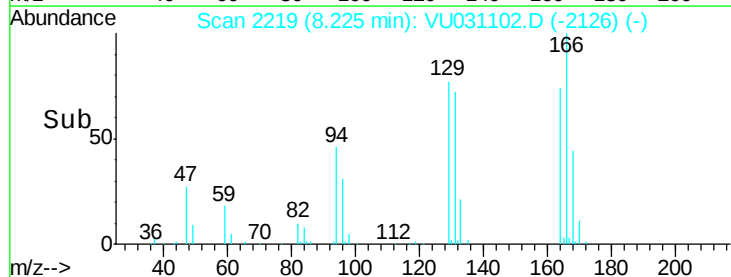
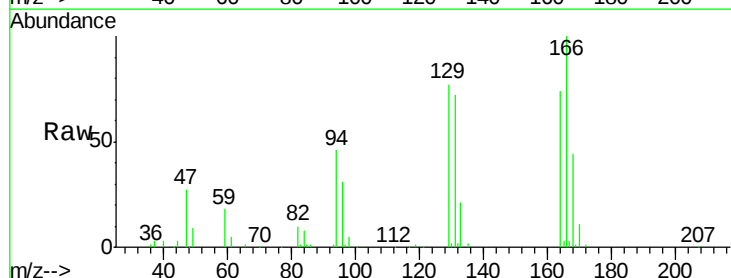
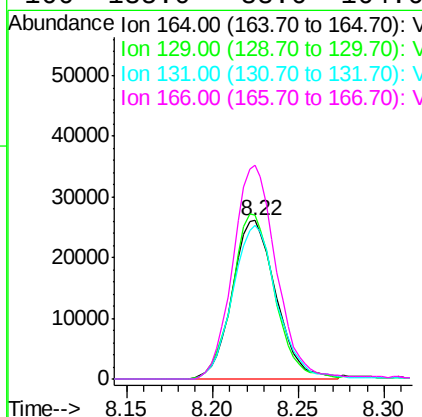
RT: 8.22 min Scan# 2219

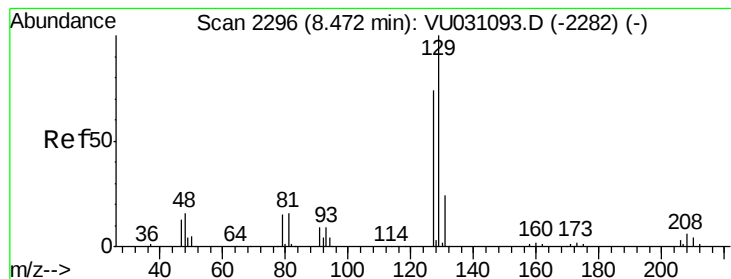
Delta R.T. 0.00 min

Lab File: VU031102.D

Acq: 12 Apr 2019 04:26

Tgt Ion:	164	Resp:	46629
Ion	Ratio	Lower	Upper
164	100		
129	103.7	67.4	125.2
131	96.9	65.9	122.5
166	135.0	88.6	164.6





#49

Dibromochloromethane

Concen: 1.243 ug/L

RT: 8.48 min Scan# 2298

Delta R.T. 0.01 min

Lab File: VU031102.D

Acq: 12 Apr 2019 04:26

Instrument :

MSVOA_U

ClientSampleId :

DB713

Tot Ion:129 Resp: 5435

Ion Ratio Lower Upper

129 100

127 76.7 54.5 101.3

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