

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U052019\
 Data File : VU032154.D
 Acq On : 20 May 2019 14:52
 Operator : JC/SP
 Sample : K2860-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9W36

Manual Integrations
 APPROVED

MMDadoda
 5/21/2019 11:11:03 AM

Quant Time: May 21 08:23:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 21 06:39:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	357319	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	356648	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	144280	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	106338	3.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.60%
7) Chloroethane-d5	1.68	69	94729	3.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.60%
11) 1,1-Dichloroethene-d2	2.27	63	160906	3.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.00%
20) 2-Butanone-d5	4.20	46	251855	42.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.24%
24) Chloroform-d	4.64	84	228765	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
26) 1,2-Dichloroethane-d4	5.31	65	112365	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.40%
32) Benzene-d6	5.33	84	451728	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
36) 1,2-Dichloropropane-d6	6.32	67	131793	4.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.80%
41) Toluene-d8	7.56	98	366067	3.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.40%
43) trans-1,3-Dichloropropene-	7.85	79	46125	4.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.60%
46) 2-Hexanone-d5	8.31	63	213982	41.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.78%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	114392	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	142173	4.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.34	43	27830	14.346	ug/L	98
17) Methyl tert-butyl Ether	3.00	73	19926	0.591	ug/L #	95
18) trans-1,2-Dichloroethene	2.97	96	16606	1.081	ug/L	84
21) 2-Butanone	4.31	43	3475m	1.248	ug/L	
22) cis-1,2-Dichloroethene	4.22	96	37910	2.509	ug/L	97
34) Trichloroethene	6.18	95	138827	9.346	ug/L	98
38) Bromodichloromethane	6.75	83	50884	2.971	ug/L	99
47) Tetrachloroethene	8.22	164	55326	4.982	ug/L	96
49) Dibromochloromethane	8.47	129	48366	4.243	ug/L	92
61) Bromoform	9.96	173	9935	1.794	ug/L	97

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

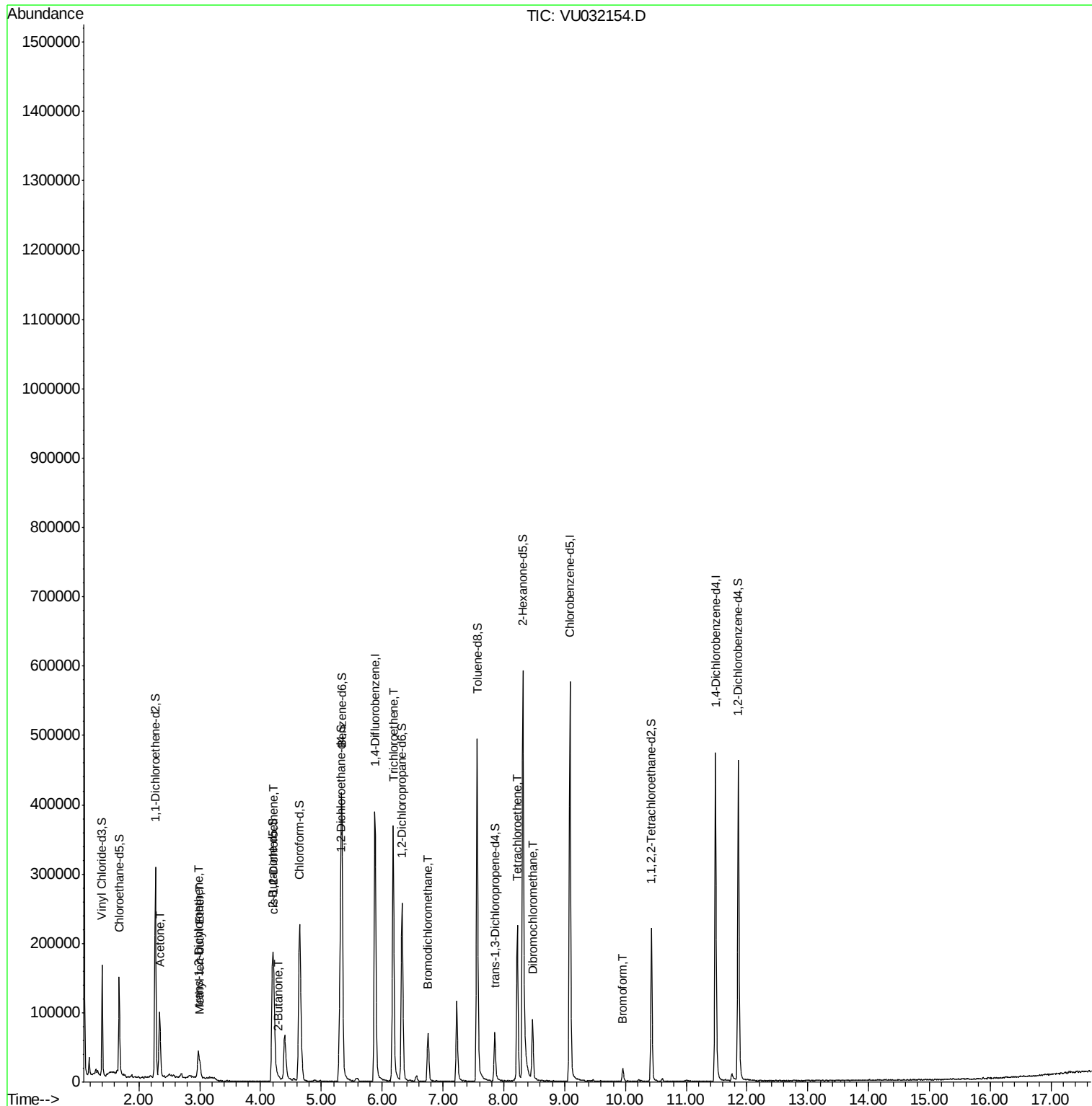
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU052019\
Data File : VU032154.D
Acq On : 20 May 2019 14:52
Operator : JC/SP
Sample : K2860-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

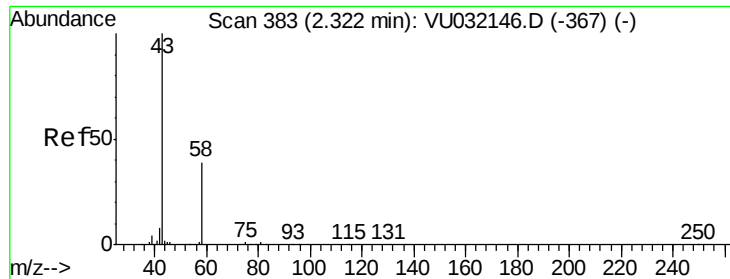
Instrument :
MSVOA_U
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue May 21 06:39:31 2019
Response via : Initial Calibration





#13

Acetone

Concen: 14.346 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.02 min

Lab File: VU032154.D

Acq: 20 May 2019 14:52

Instrument :

MSVOA_U

ClientSampleId :

F9W36

Tot Ion: 43 Resp: 27830

Ion Ratio Lower Upper

43 100

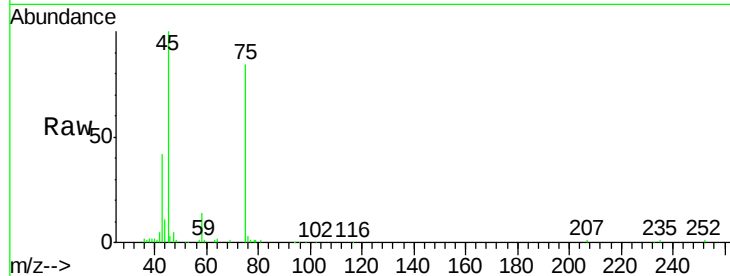
58 38.3 0.0 78.8

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Abundance Ion 43.05 (42.75 to 43.75): VU032154.D (-367) (-)

Ion 58.05 (57.75 to 58.75): VU032154.D (-367) (-)

2.34

15000

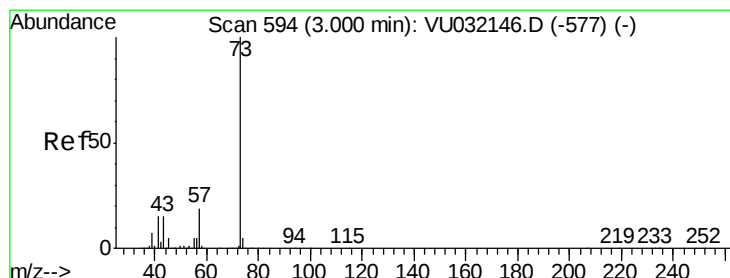
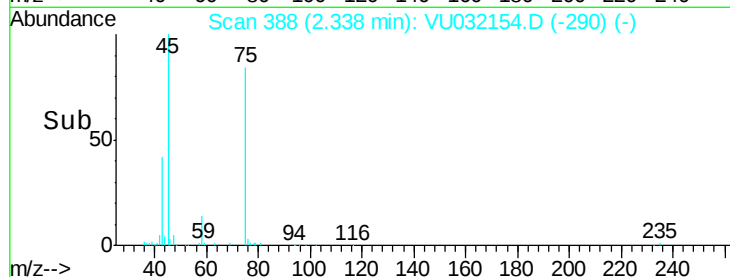
10000

5000

0

2.30 2.35 2.40

Time-->



#17

Methyl tert-butyl Ether

Concen: 0.591 ug/L

RT: 3.00 min Scan# 595

Delta R.T. 0.00 min

Lab File: VU032154.D

Acq: 20 May 2019 14:52

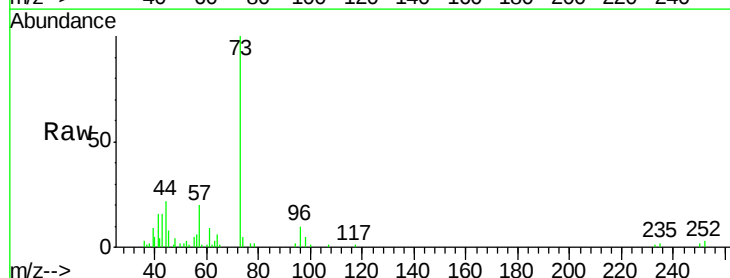
Tgt Ion: 73 Resp: 19926

Ion Ratio Lower Upper

73 100

43 20.9 13.0 19.6#

57 22.2 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VU032154.D (-577) (-)

Ion 43.05 (42.75 to 43.75): VU032154.D (-577) (-)

Ion 57.10 (56.80 to 57.80): VU032154.D (-577) (-)

3.00

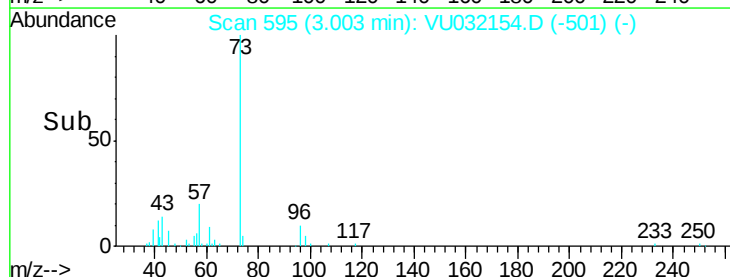
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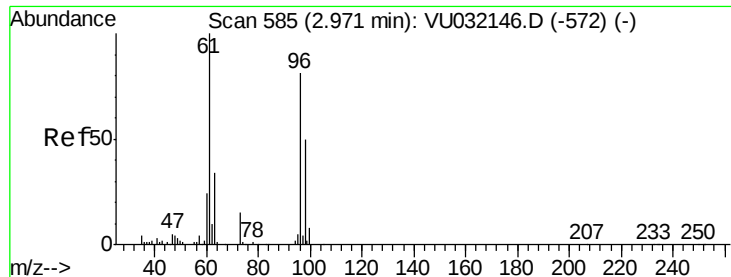
5000

0

2.95 3.00 3.05

Time-->





#18

trans-1,2-Dichloroethene

Concen: 1.081 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU032154.D

Acq: 20 May 2019 14:52

Instrument :

MSVOA_U

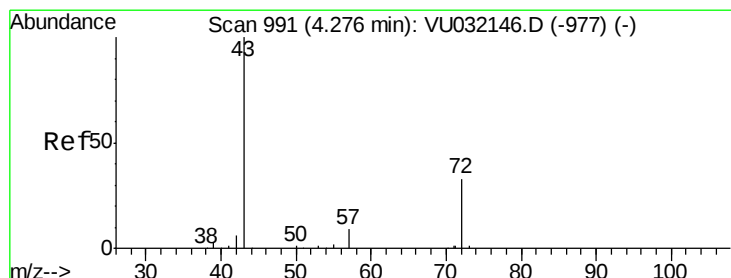
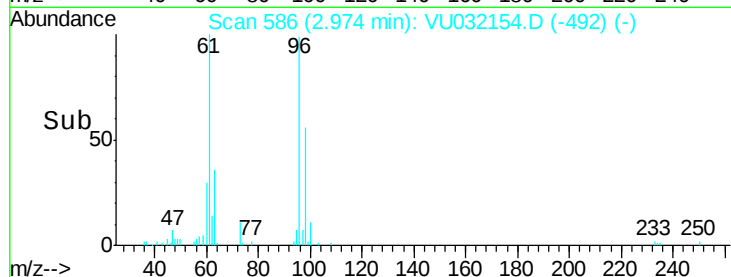
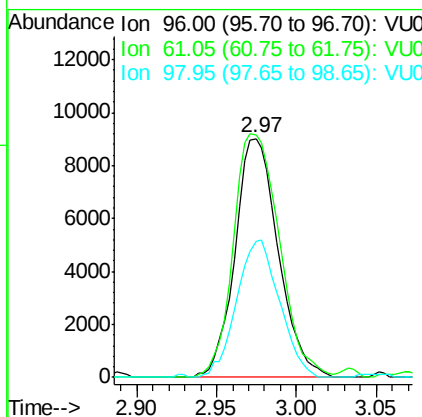
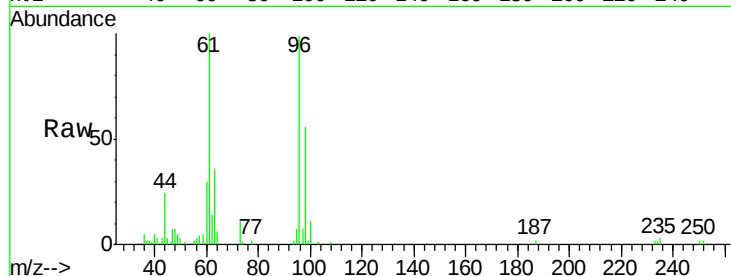
ClientSampleId :

F9W36

Tot Ion:	96	Resp:	16606
Ion	Ratio	Lower	Upper
96	100		
61	101.3	86.5	160.7
98	56.7	43.5	80.9

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#21

2-Butanone

Concen: 1.248 ug/L m

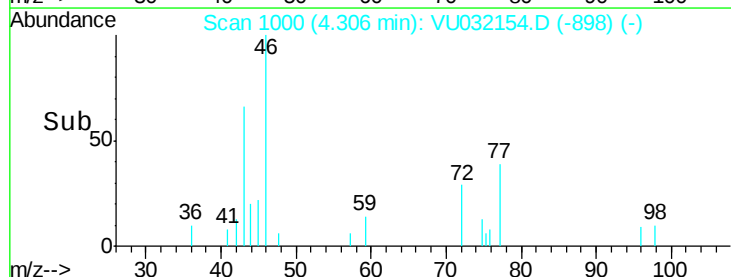
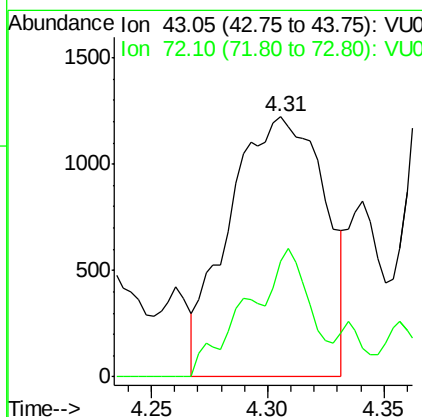
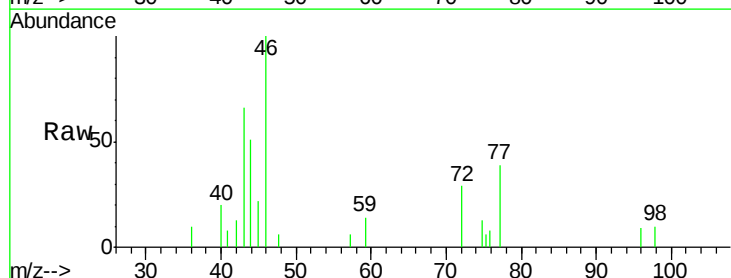
RT: 4.31 min Scan# 1000

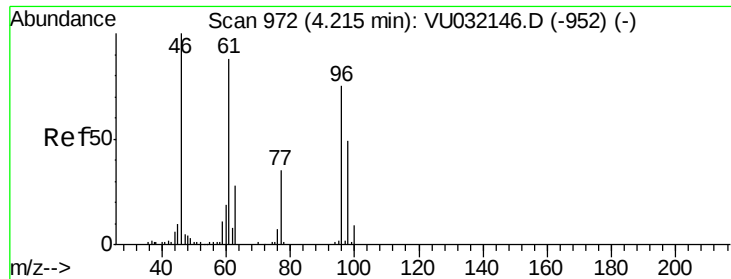
Delta R.T. 0.03 min

Lab File: VU032154.D

Acq: 20 May 2019 14:52

Tgt Ion:	43	Resp:	3475
Ion	Ratio	Lower	Upper
43	100		
72	19.1	16.8	50.3





#22

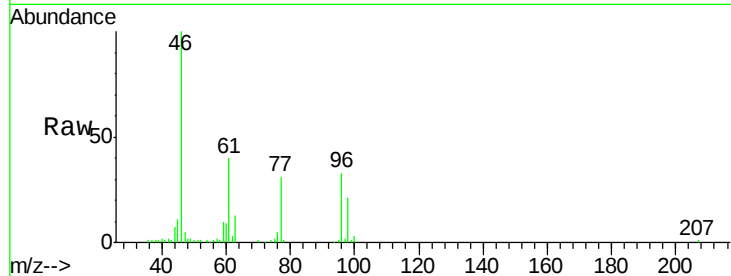
cis-1,2-Dichloroethene
Concen: 2.509 ug/L
RT: 4.22 min Scan# 974
Delta R.T. 0.01 min
Lab File: VU032154.D
Acq: 20 May 2019 14:52

Instrument :
MSVOA_U
ClientSampleId :
F9W36

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		37910		
61	119.6	85.8	159.4		
68	0.0	0.0	0.0		

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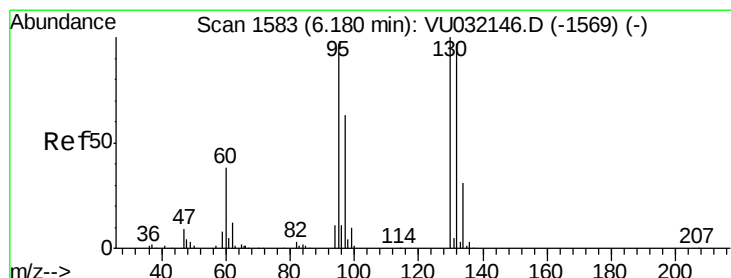
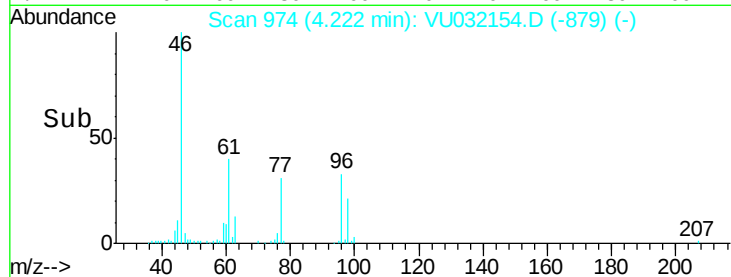
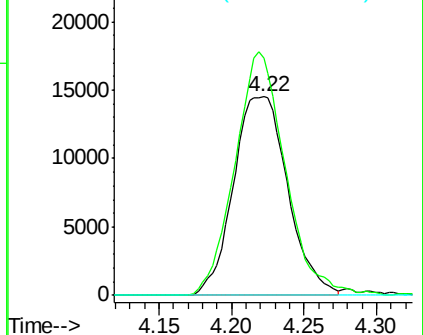
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Abundance Ion 96.00 (95.70 to 96.70): VU032154.D (-952) (-)

Ion 61.05 (60.75 to 61.75): VU032154.D (-952) (-)

Ion 68.15 (67.85 to 68.85): VU032154.D (-952) (-)



#34

Trichloroethene
Concen: 9.346 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VU032154.D
Acq: 20 May 2019 14:52

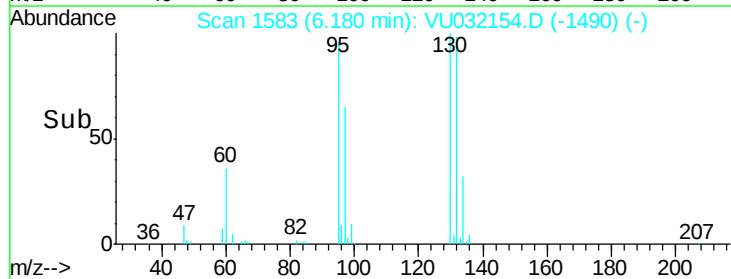
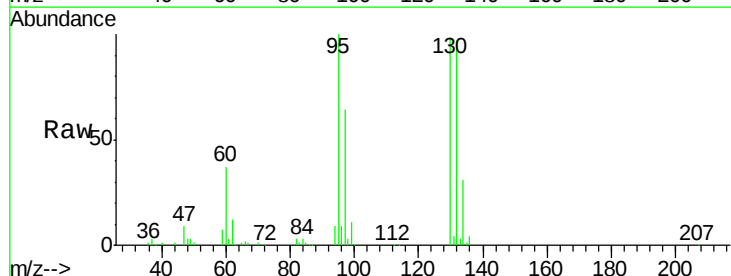
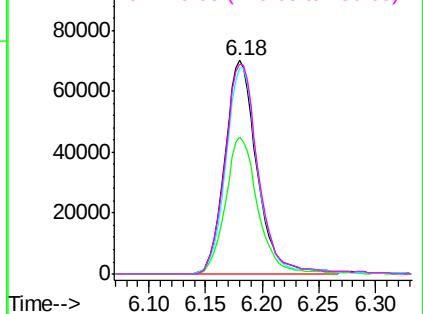
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
95	100		138827		
97	63.9	45.2	84.0		
132	96.5	66.1	122.7		
130	98.3	66.7	123.9		

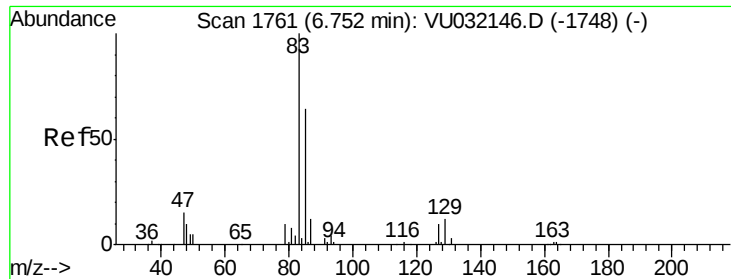
Abundance Ion 95.00 (94.70 to 95.70): VU032154.D (-1569) (-)

Ion 96.95 (96.65 to 97.65): VU032154.D (-1569) (-)

Ion 131.95 (131.65 to 132.65): VU032154.D (-1569) (-)

Ion 129.95 (129.65 to 130.65): VU032154.D (-1569) (-)





#38

Bromodichloromethane

Concen: 2.971 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU032154.D

Acq: 20 May 2019 14:52

Instrument :

MSVOA_U

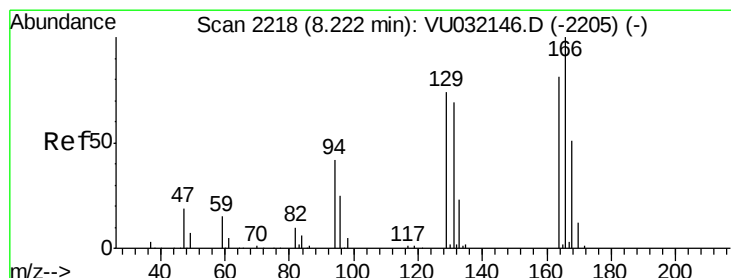
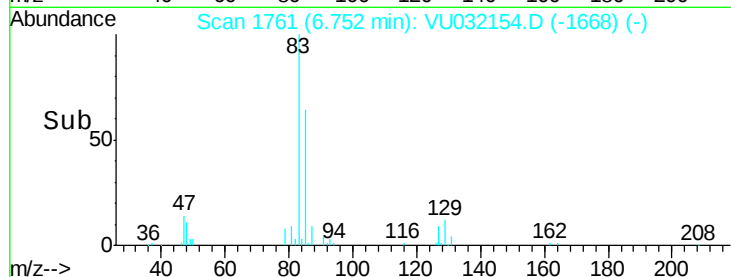
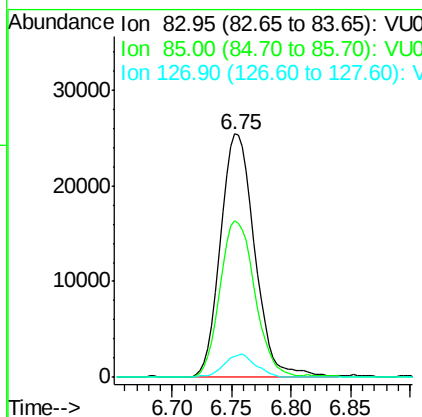
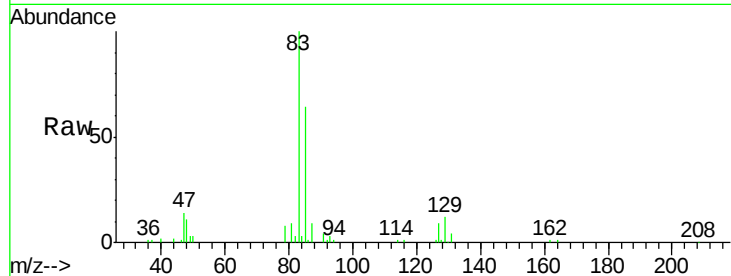
ClientSampleId :

F9W36

Tot Ion:	83	Resp:	50884
Ion Ratio	Lower	Upper	
83	100		
85	64.2	45.5	84.5
127	8.6	6.3	9.5

Manual Integrations
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#47

Tetrachloroethene

Concen: 4.982 ug/L

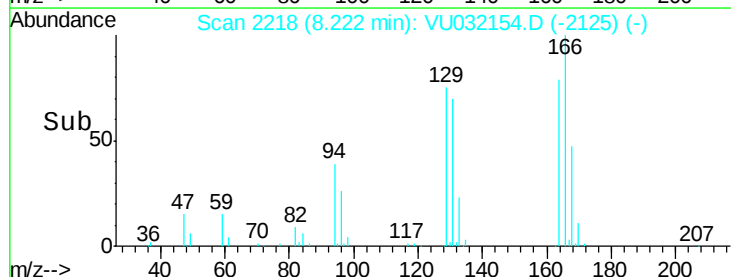
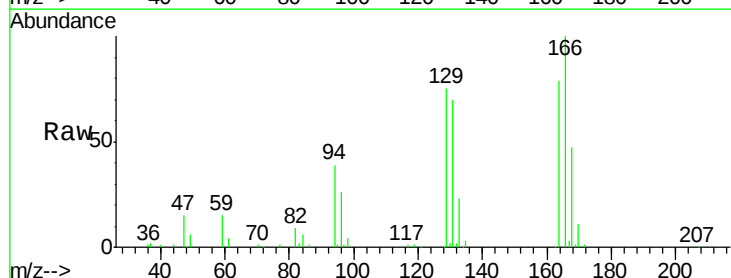
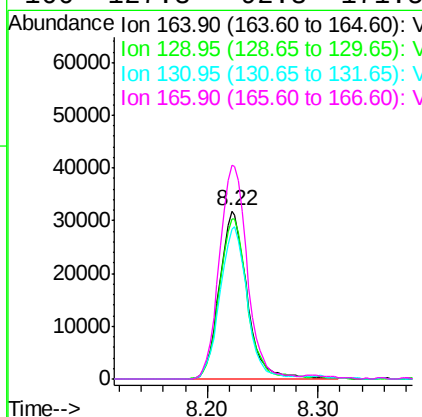
RT: 8.22 min Scan# 2218

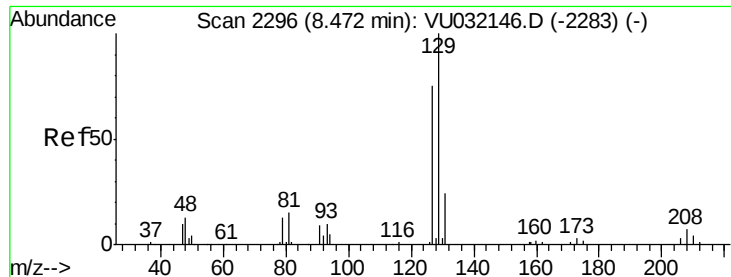
Delta R.T. 0.00 min

Lab File: VU032154.D

Acq: 20 May 2019 14:52

Tgt Ion:	164	Resp:	55326
Ion Ratio	Lower	Upper	
164	100		
129	95.5	70.3	130.5
131	89.3	64.5	119.9
166	127.3	92.3	171.5





#49

Dibromochloromethane

Concen: 4.243 ug/L

RT: 8.47 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VU032154.D

Acq: 20 May 2019 14:52

Instrument :

MSVOA_U

ClientSampleId :

F9W36

Tot Ion:129 Resp: 48366

Ion Ratio Lower Upper

129 100

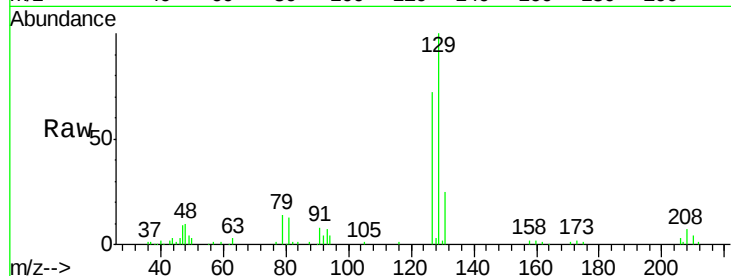
127 72.3 55.2 102.6

Manual Integrations

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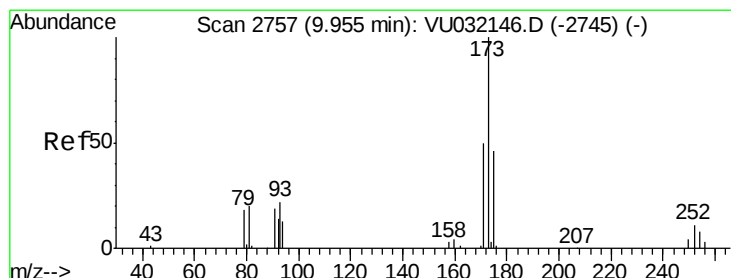
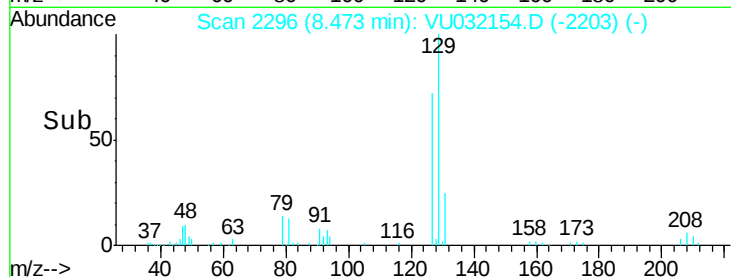
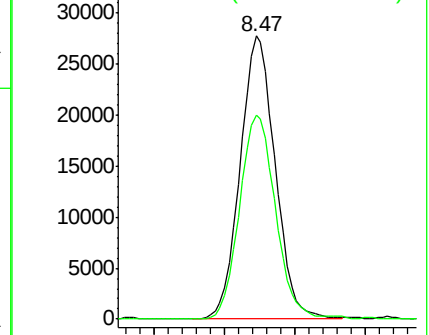
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Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#61

Bromoform

Concen: 1.794 ug/L

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU032154.D

Acq: 20 May 2019 14:52

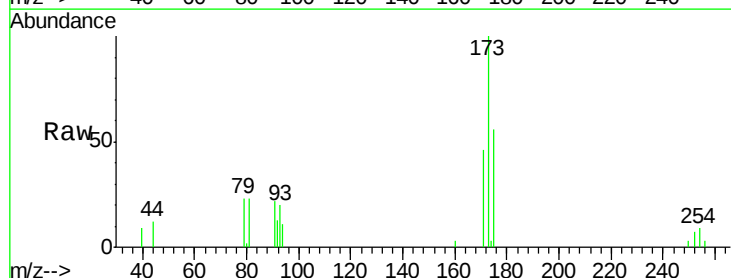
Tgt Ion:173 Resp: 9935

Ion Ratio Lower Upper

173 100

175 45.6 38.0 57.0

254 8.4 7.8 11.6



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

