

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092118\
 Data File : VU026939.D
 Acq On : 20 Sep 2018 15:25
 Operator : MD/SY
 Sample : J4893-20
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08K8

Manual Integrations
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sam
 9/21/2018 6:25:43 PM

Quant Time: Sep 21 15:34:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 21 04:24:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	291602	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.10	117	285638	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.50	152	180894	50.00	ug/L	0.01

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	76297	35.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.74%
7) Chloroethane-d5	1.68	69	63816	34.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	69.12%#
11) 1,1-Dichloroethene-d2	2.27	63	105920	25.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	51.90%#
21) 2-Butanone-d5	4.18	46	108476	75.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	75.78%
24) Chloroform-d	4.65	84	133368	33.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	66.66%#
26) 1,2-Dichloroethane-d4	5.31	65	84804	33.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	67.32%#
32) Benzene-d6	5.35	84	276503	34.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	69.08%#
36) 1,2-Dichloropropane-d6	6.33	67	86300	33.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	66.92%#
41) Toluene-d8	7.57	98	244602	33.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	67.64%#
43) trans-1,3-Dichloropropene-	7.85	79	39178	34.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.04%
47) 2-Hexanone-d5	8.31	63	78859	77.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	77.79%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	119020	33.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	66.18%
64) 1,2-Dichlorobenzene-d4	11.89	152	134285	35.68	ug/L	0.03
Spiked Amount	50.000	Range	80 - 120	Recovery	=	71.36%#

Target Compounds

					Ovalue
13) Acetone	2.32	43	5388	3.829	ug/L 98
25) Chloroform	4.67	83	28345	6.967	ug/L 99
29) Cyclohexane	5.00	56	3679	1.109	ug/L # 91
31) Carbon tetrachloride	5.14	117	21385	7.023	ug/L 97
33) Benzene	5.40	78	13134944	1483.191	ug/L 100
35) Methylcyclohexane	6.42	83	2853	0.824	ug/L # 76
46) Tetrachloroethene	8.23	164	1457	0.773	ug/L 95
51) Chlorobenzene	9.12	112	18885833m	3105.735	ug/L
62) 1,3-Dichlorobenzene	11.42	146	3168568	574.590	ug/L 99
63) 1,4-Dichlorobenzene	11.52	146	21908447m	3608.002	ug/L
65) 1,2-Dichlorobenzene	11.89	146	31795087m	5207.187	ug/L
68) 1,2,4-trichlorobenzene	13.51	180	5383872	1464.084	ug/L 99
70) 1,2,3-Trichlorobenzene	13.99	180	1237682	305.637	ug/L 99

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

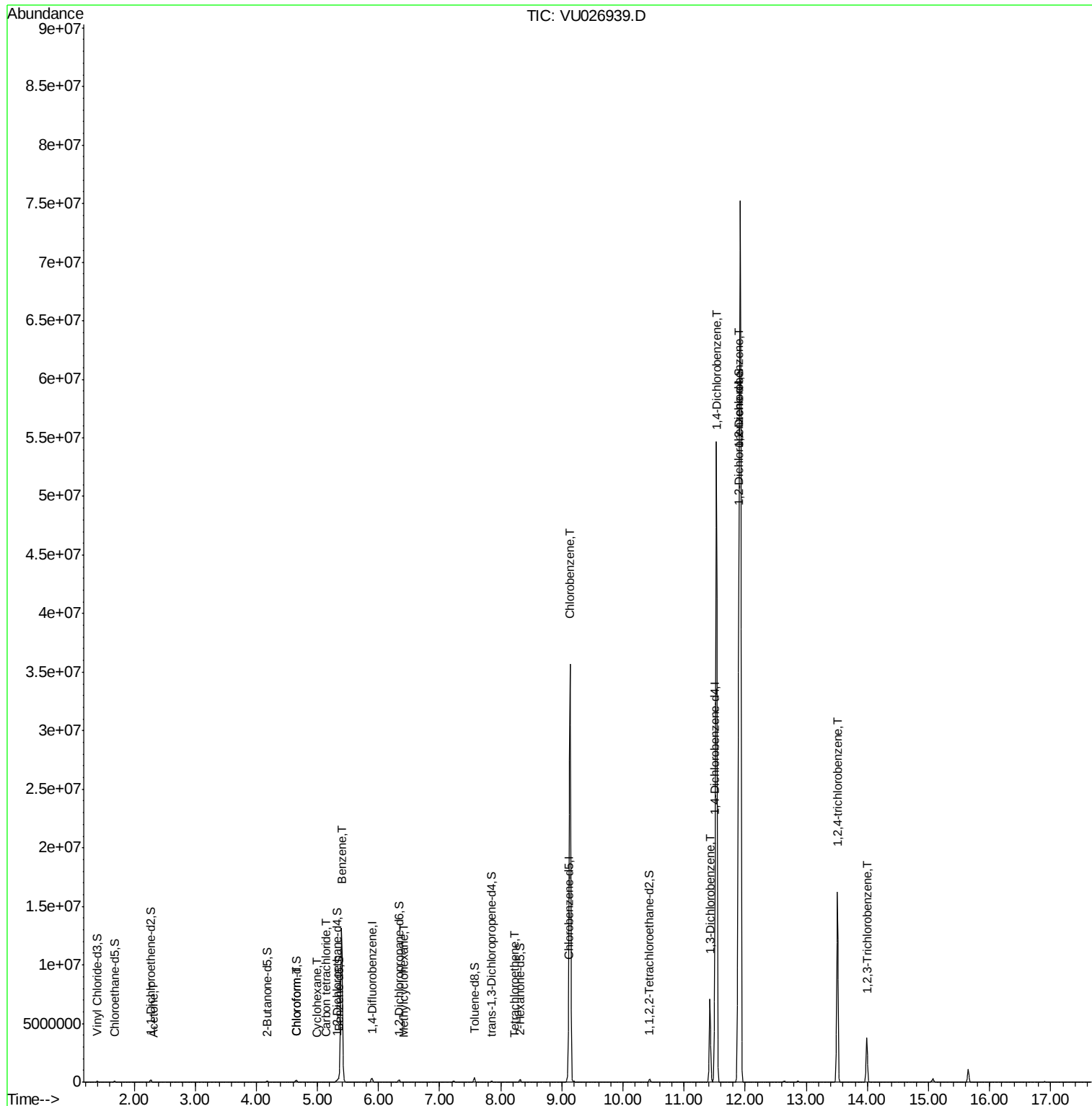
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092118\
Data File : VU026939.D
Acq On : 20 Sep 2018 15:25
Operator : MD/SY
Sample : J4893-20
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

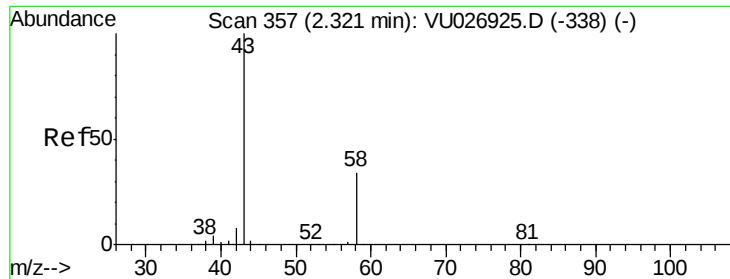
Instrument :
MSVOA_U
ClientSampleId :
C08K8

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Quant Time: Sep 21 15:34:08 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 21 04:24:07 2018
Response via : Initial Calibration





#13

Acetone

Concen: 3.829 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026939.D

Acq: 20 Sep 2018 15:25

Instrument :

MSVOA_U

ClientSampleId :

C08K8

Tot Ion: 43 Resp: 5388

Ion Ratio Lower Upper

43 100

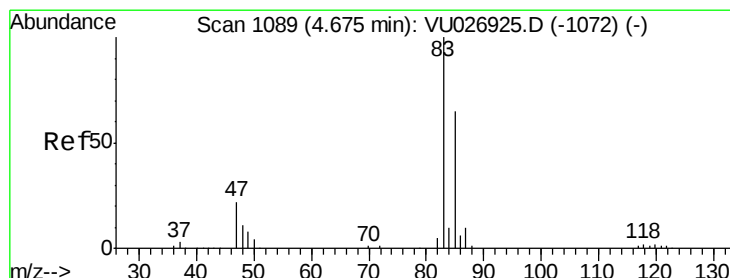
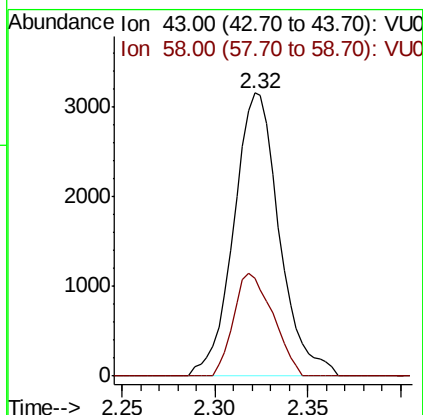
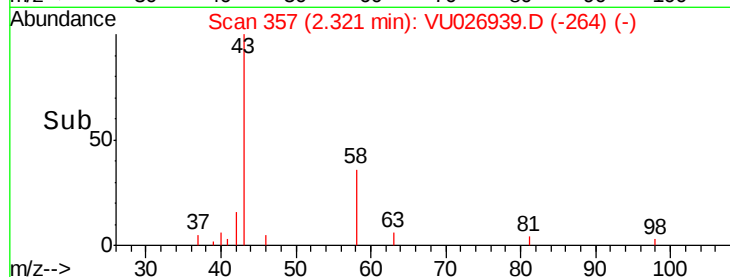
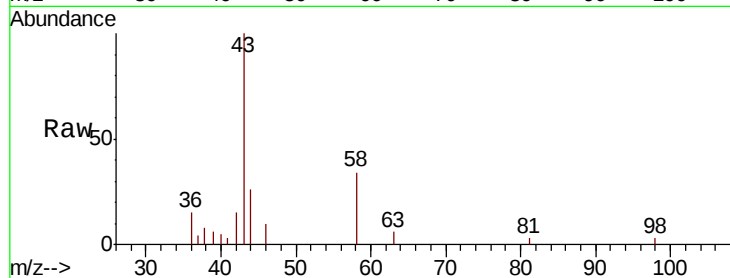
58 31.2 0.0 64.6

Manual Integrations

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#25

Chloroform

Concen: 6.967 ug/L

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU026939.D

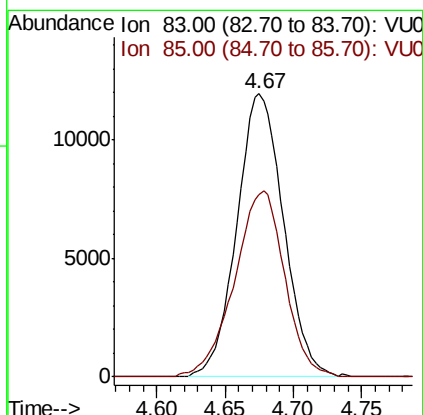
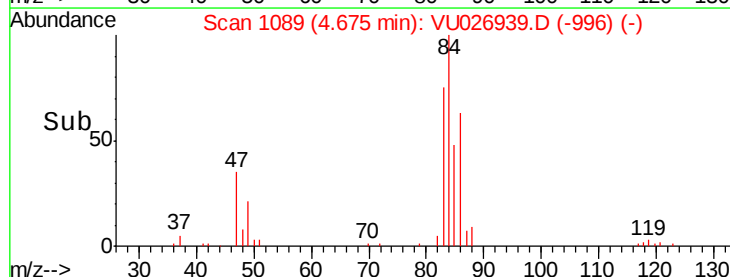
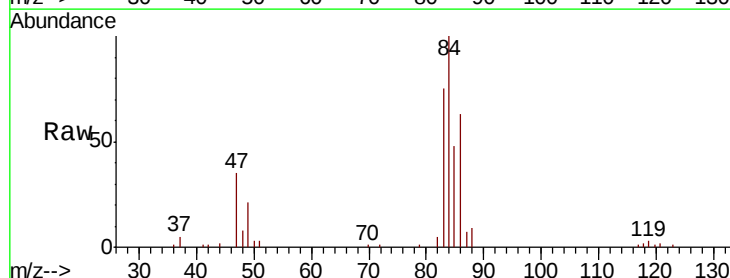
Acq: 20 Sep 2018 15:25

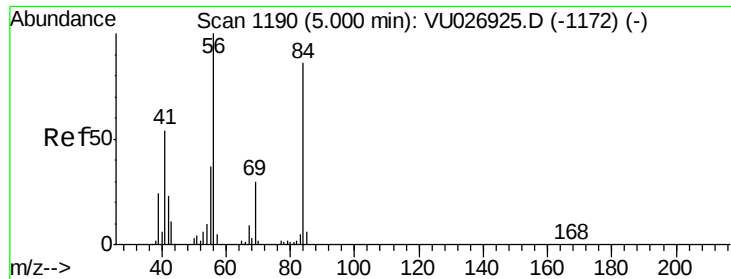
Tgt Ion: 83 Resp: 28345

Ion Ratio Lower Upper

83 100

85 64.3 44.4 82.5





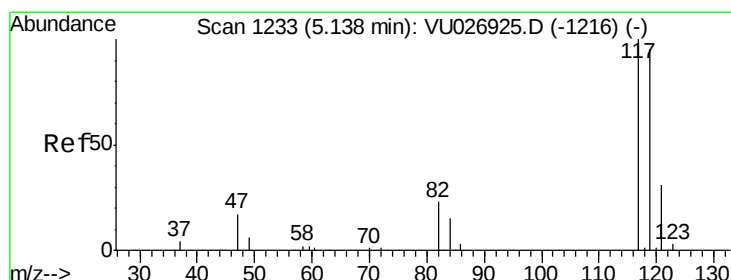
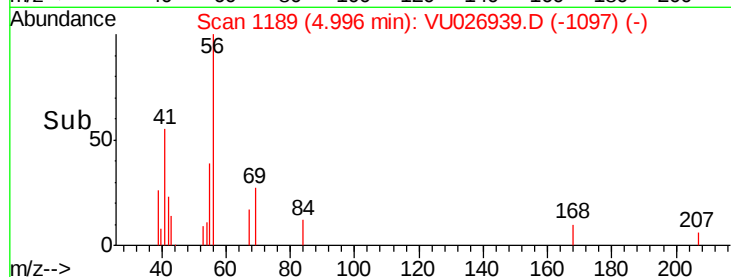
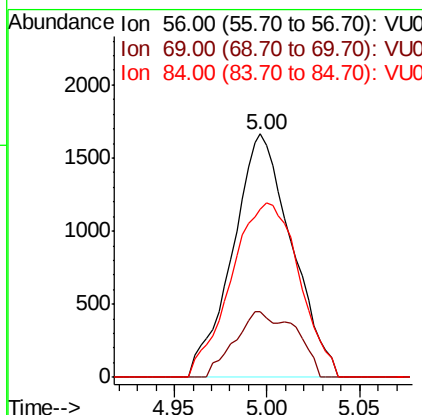
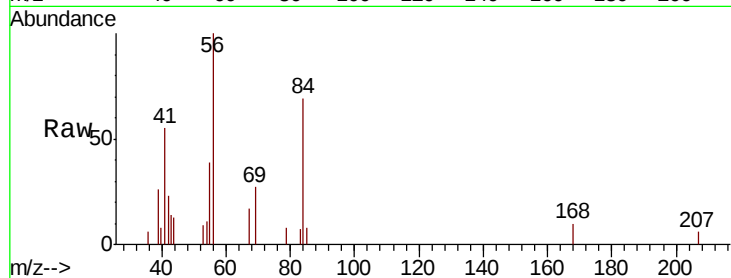
#29
Cyclohexane
Concen: 1.109 ug/L
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU026939.D
Acq: 20 Sep 2018 15:25

Instrument :
MSVOA_U
ClientSampled :
C08K8

Tot Ion	Ratio	Lower	Upper
56	100		
69	17.0	23.7	35.5#
84	82.5	69.0	103.4

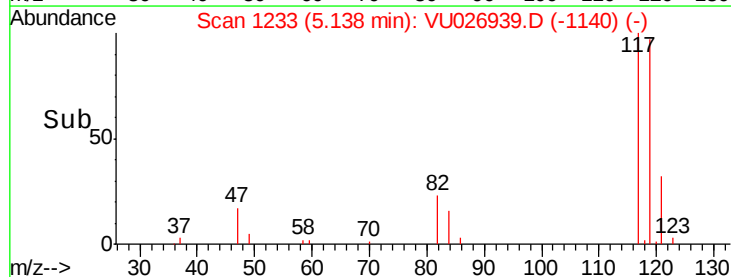
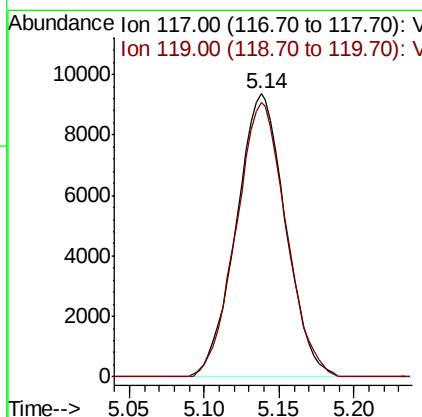
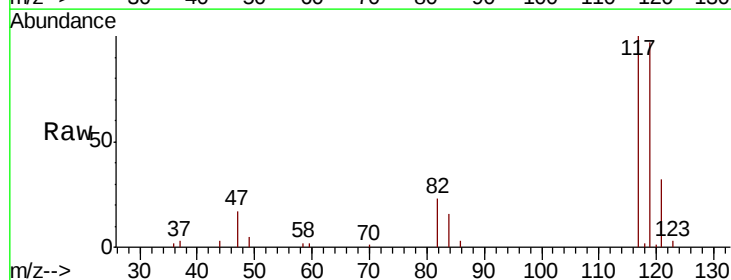
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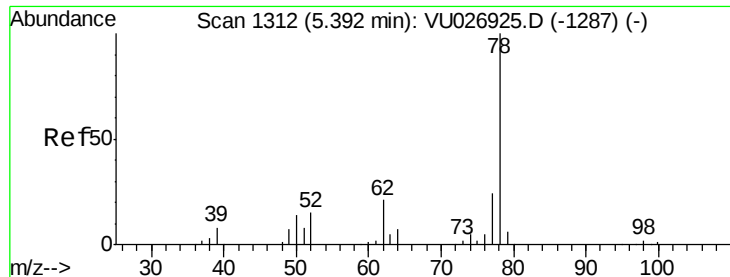
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#31
Carbon tetrachloride
Concen: 7.023 ug/L
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU026939.D
Acq: 20 Sep 2018 15:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	76.3	114.5





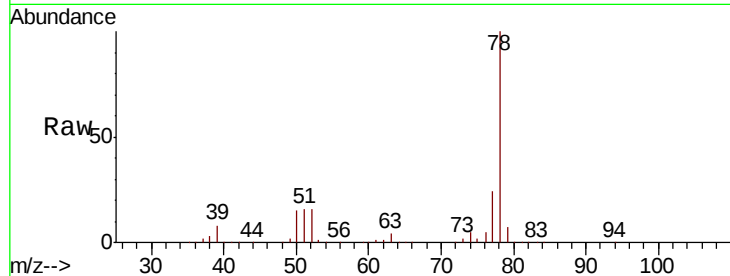
#33
Benzene
Concen: 1483.191 ug/L
RT: 5.40 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU026939.D
Acq: 20 Sep 2018 15:25

Instrument :
MSVOA_U
ClientSampleId :
C08K8

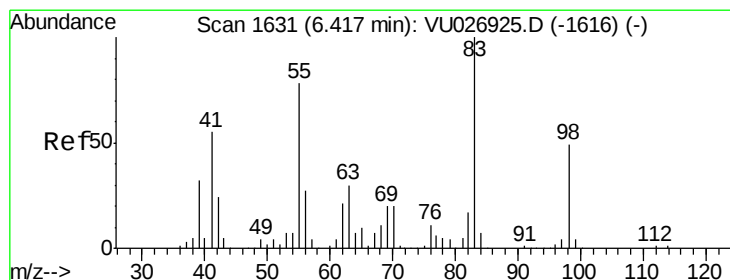
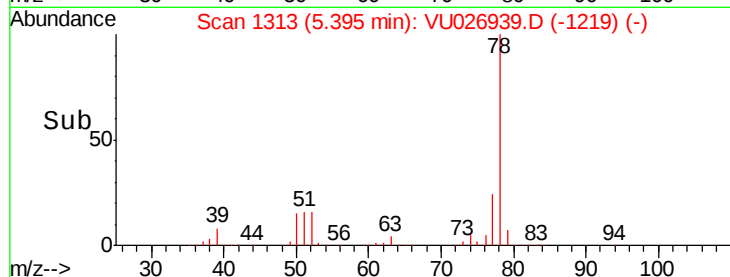
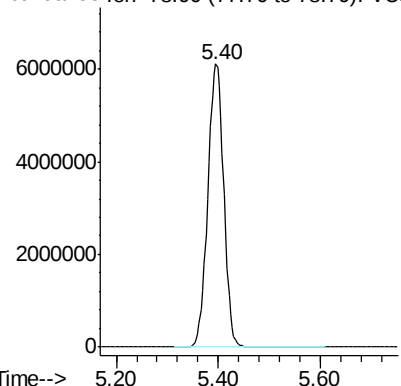
Tgt Ion: 78 Resp:13134944

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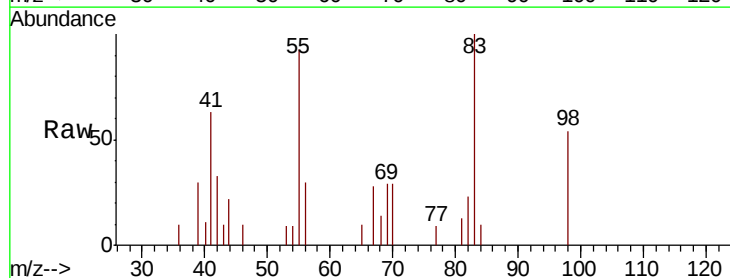


Abundance Ion 78.00 (77.70 to 78.70): VU0

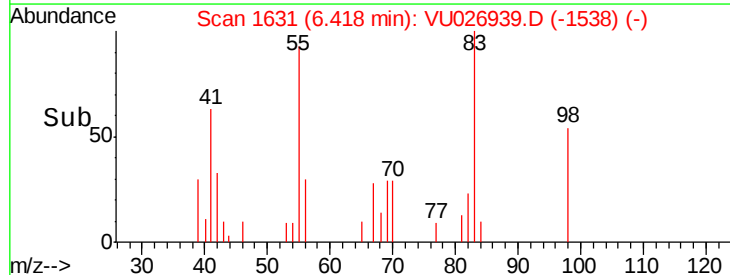
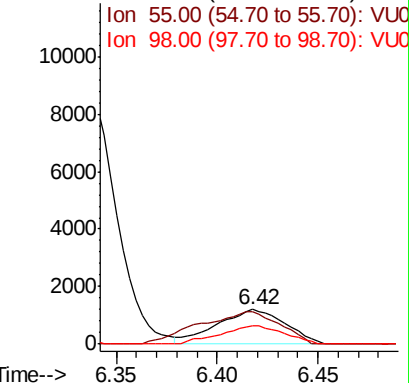


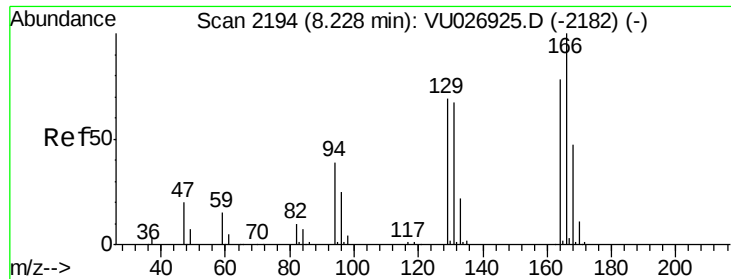
#35
Methylcyclohexane
Concen: 0.824 ug/L
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026939.D
Acq: 20 Sep 2018 15:25

Tgt Ion: 83 Resp: 2853
Ion Ratio Lower Upper
83 100
55 109.0 61.7 92.5#
98 49.2 38.3 57.5



Abundance Ion 83.00 (82.70 to 83.70): VU0





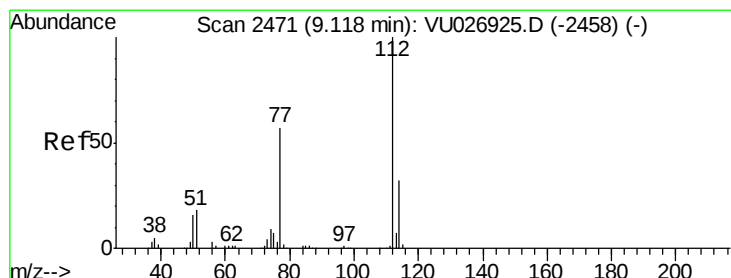
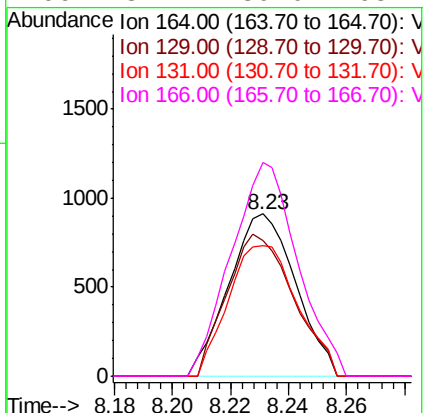
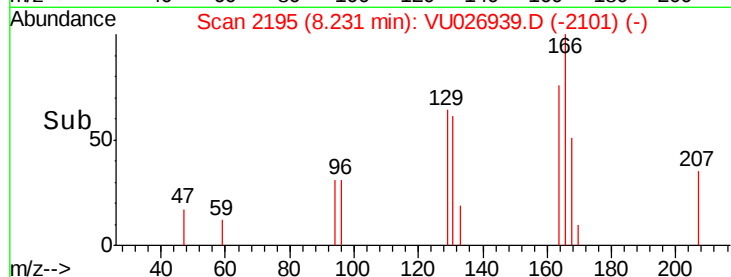
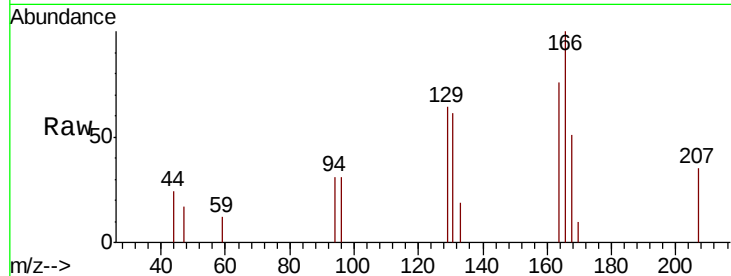
#46
Tetrachloroethene
Concen: 0.773 ug/L
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU026939.D
Acq: 20 Sep 2018 15:25

Instrument :
MSVOA_U
ClientSampled :
C08K8

Tot Ion:	164	Resp:	1457
Ion	Ratio	Lower	Upper
164	100		
129	83.9	62.2	115.4
131	80.4	60.5	112.5
166	131.4	89.0	165.2

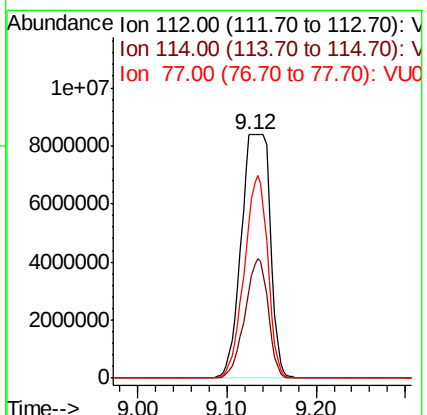
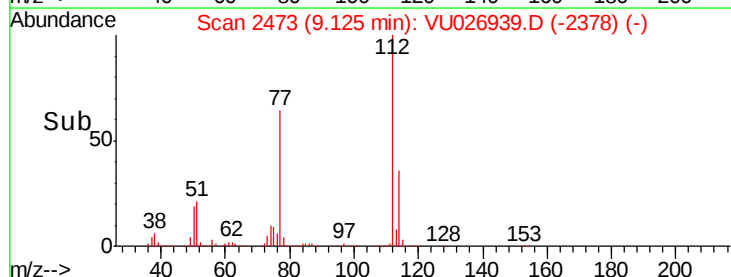
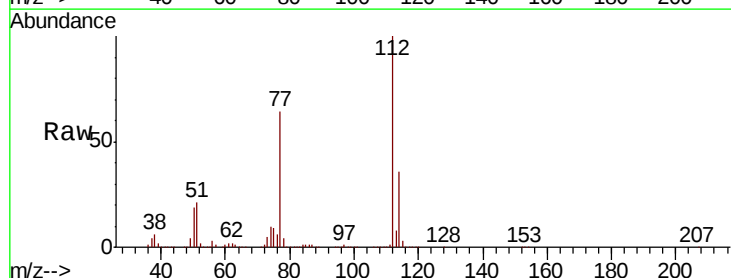
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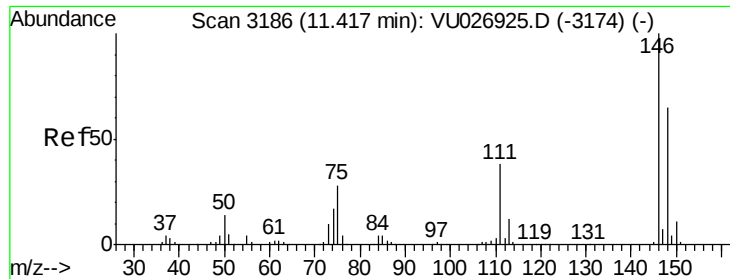
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#51
Chlorobenzene
Concen: 3105.735 ug/L m
RT: 9.12 min Scan# 2473
Delta R.T. 0.01 min
Lab File: VU026939.D
Acq: 20 Sep 2018 15:25

Tgt Ion:	112	Resp:	18885833
Ion	Ratio	Lower	Upper
112	100		
114	36.1	22.3	41.5
77	63.9	45.1	67.7





#62

1,3-Dichlorobenzene

Concen: 574.590 ug/L

RT: 11.42 min Scan# 3188

Delta R.T. 0.01 min

Lab File: VU026939.D

Acq: 20 Sep 2018 15:25

Instrument :

MSVOA_U

ClientSampled :

C08K8

Tot Ion:146 Resp: 3168568

Ion Ratio Lower Upper

146 100

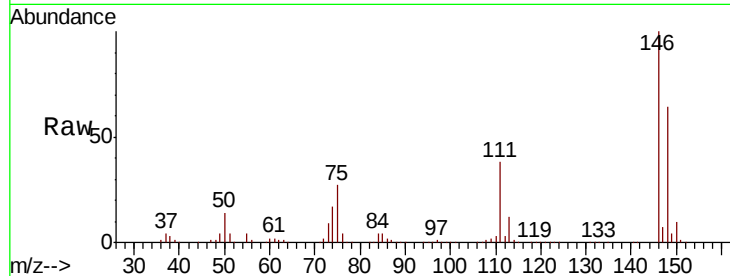
111 37.6 26.7 49.7

148 63.9 44.9 83.5

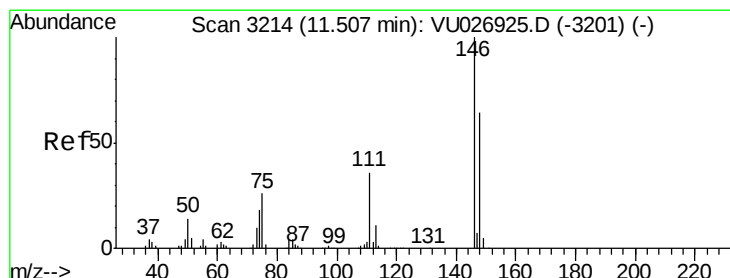
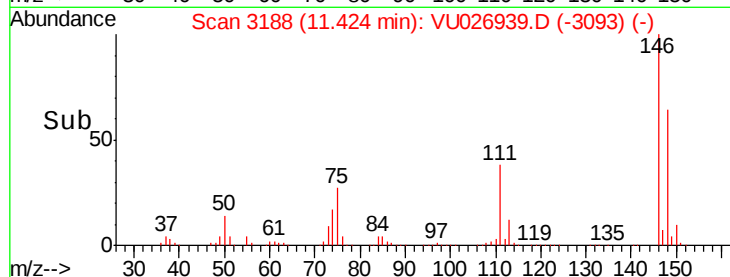
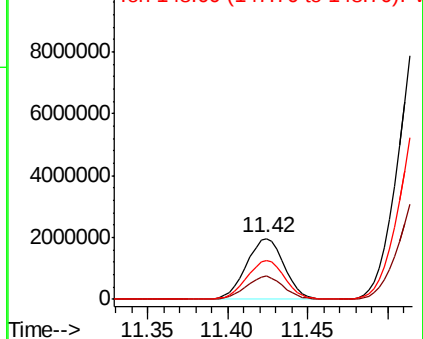
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 3608.002 ug/L m

RT: 11.52 min Scan# 3217

Delta R.T. 0.01 min

Lab File: VU026939.D

Acq: 20 Sep 2018 15:25

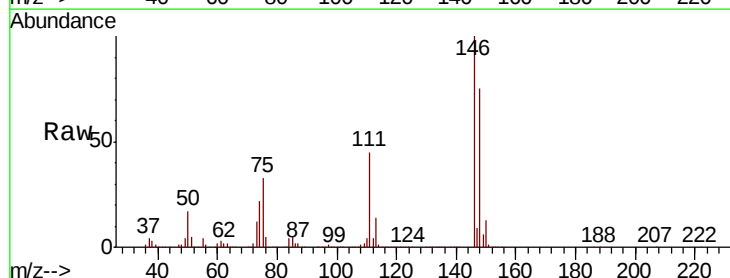
Tgt Ion:146 Resp:21908447

Ion Ratio Lower Upper

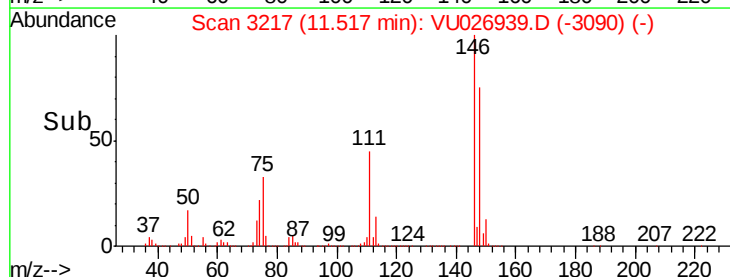
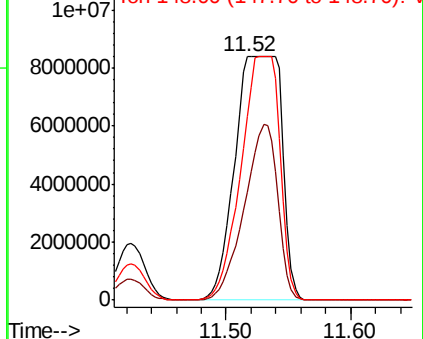
146 100

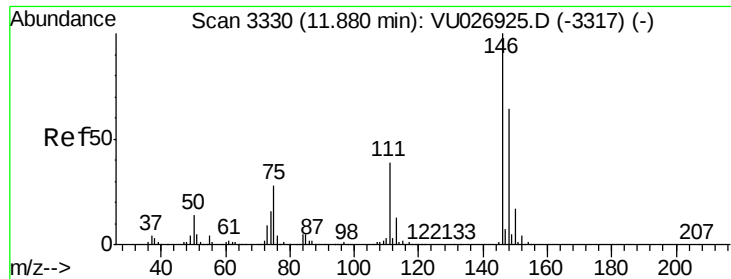
111 44.6 26.0 48.2

148 75.2 45.8 85.2



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5207.187 ug/L m

RT: 11.89 min Scan# 3333

Delta R.T. 0.01 min

Lab File: VU026939.D

Acq: 20 Sep 2018 15:25

Instrument :

MSVOA_U

ClientSampled :

C08K8

Tot Ion:146 Resp:31795087

Ion Ratio Lower Upper

146 100

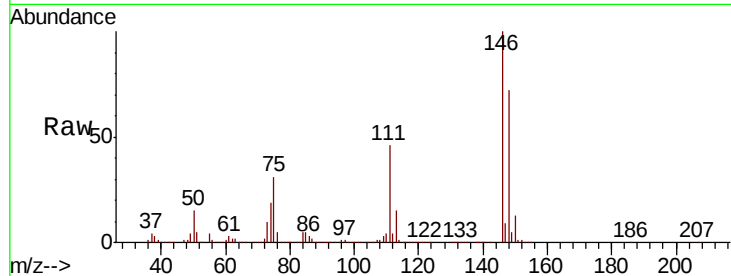
111 45.8 31.4 47.0

148 71.9 51.4 77.2

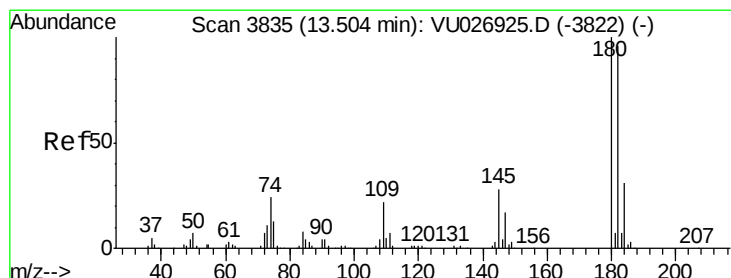
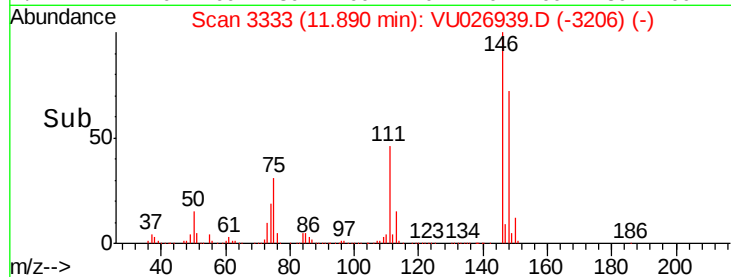
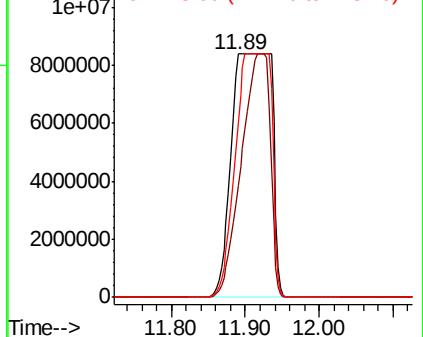
Manual Integrations
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#68

1,2,4-trichlorobenzene

Concen: 1464.084 ug/L

RT: 13.51 min Scan# 3837

Delta R.T. 0.01 min

Lab File: VU026939.D

Acq: 20 Sep 2018 15:25

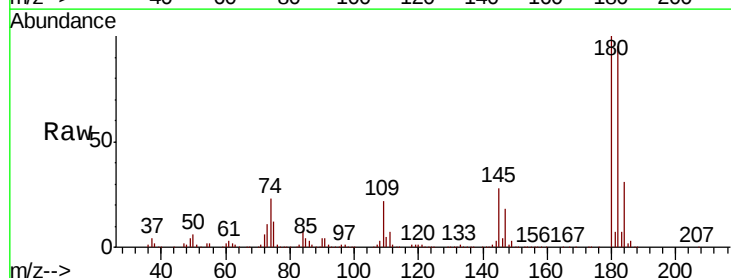
Tgt Ion:180 Resp: 5383872

Ion Ratio Lower Upper

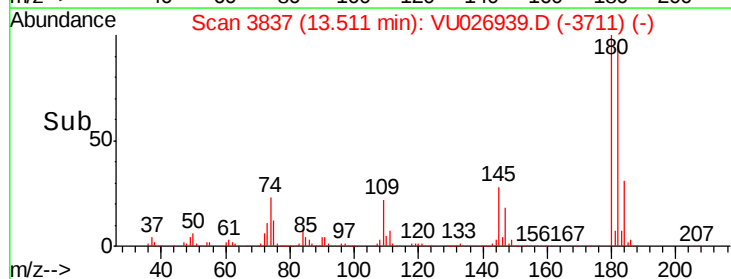
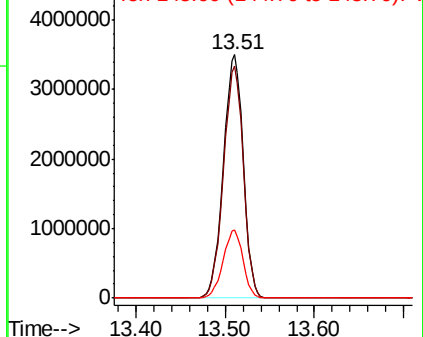
180 100

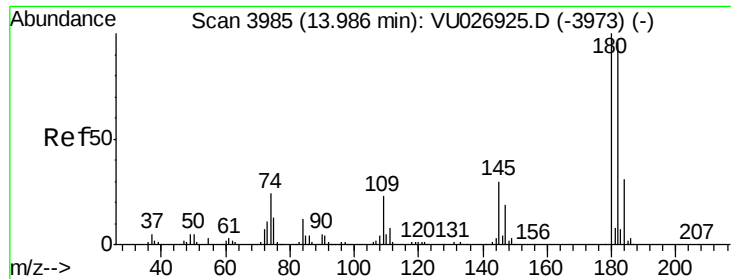
182 95.4 76.8 115.2

145 27.8 22.2 33.2



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 305.637 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026939.D
 Acq: 20 Sep 2018 15:25

Instrument :
 MSVOA_U
 ClientSampleId :
 C08K8

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.6	113.4
145	29.4	23.8	35.6

Manual Integrations
 APPROVED

sam
 9/21/2018 6:25:43 PM

