

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080718\
 Data File : VU025958.D
 Acq On : 07 Aug 2018 23:43
 Operator : MD/SY
 Sample : J4361-13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZC0

Manual Integrations
 APPROVED

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 8/9/2018 1:53:49 PM

Quant Time: Aug 09 02:15:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 08 06:47:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	313280	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	309523	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	176880	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	81585	46.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.98%
7) Chloroethane-d5	1.68	69	65556	50.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.70%
11) 1,1-Dichloroethene-d2	2.27	63	120732	35.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.82%
21) 2-Butanone-d5	4.19	46	59721	50.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	50.00%
24) Chloroform-d	4.67	84	7113	2.12	ug/L	0.02
Spiked Amount	50.000	Range	70 - 125	Recovery	=	4.24%#
26) 1,2-Dichloroethane-d4	5.31	65	114764	51.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.46%
32) Benzene-d6	5.35	84	329305	48.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.52%
36) 1,2-Dichloropropane-d6	6.34	67	105940	49.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.88%
41) Toluene-d8	7.57	98	316340	47.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.58%
43) trans-1,3-Dichloropropene-	7.85	79	49768	44.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.48%
47) 2-Hexanone-d5	8.31	63	24370	27.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	27.61%#
57) 1,1,2,2-Tetrachloroethane-	10.43	84	241	0.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	0.16%#
64) 1,2-Dichlorobenzene-d4	11.87	152	151155	51.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.46%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	266120	188.20	ug/L	99
22) 2-Butanone	4.27	43	116930	66.14	ug/L	95
25) Chloroform	4.68	83	161829	43.20	ug/L	99
34) Trichloroethene	6.19	95	52903	23.50	ug/L	97
51) Chlorobenzene	9.13	112	9915109	1639.96	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	668846	126.39	ug/L	99
63) 1,4-Dichlorobenzene	11.52	146	7682239	1424.90	ug/L	100
65) 1,2-Dichlorobenzene	11.89	146	14124504	2661.89	ug/L	98
68) 1,2,4-trichlorobenzene	13.52	180	17138618m	5064.17	ug/L	
70) 1,2,3-Trichlorobenzene	13.99	180	4163994	1200.90	ug/L	99

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

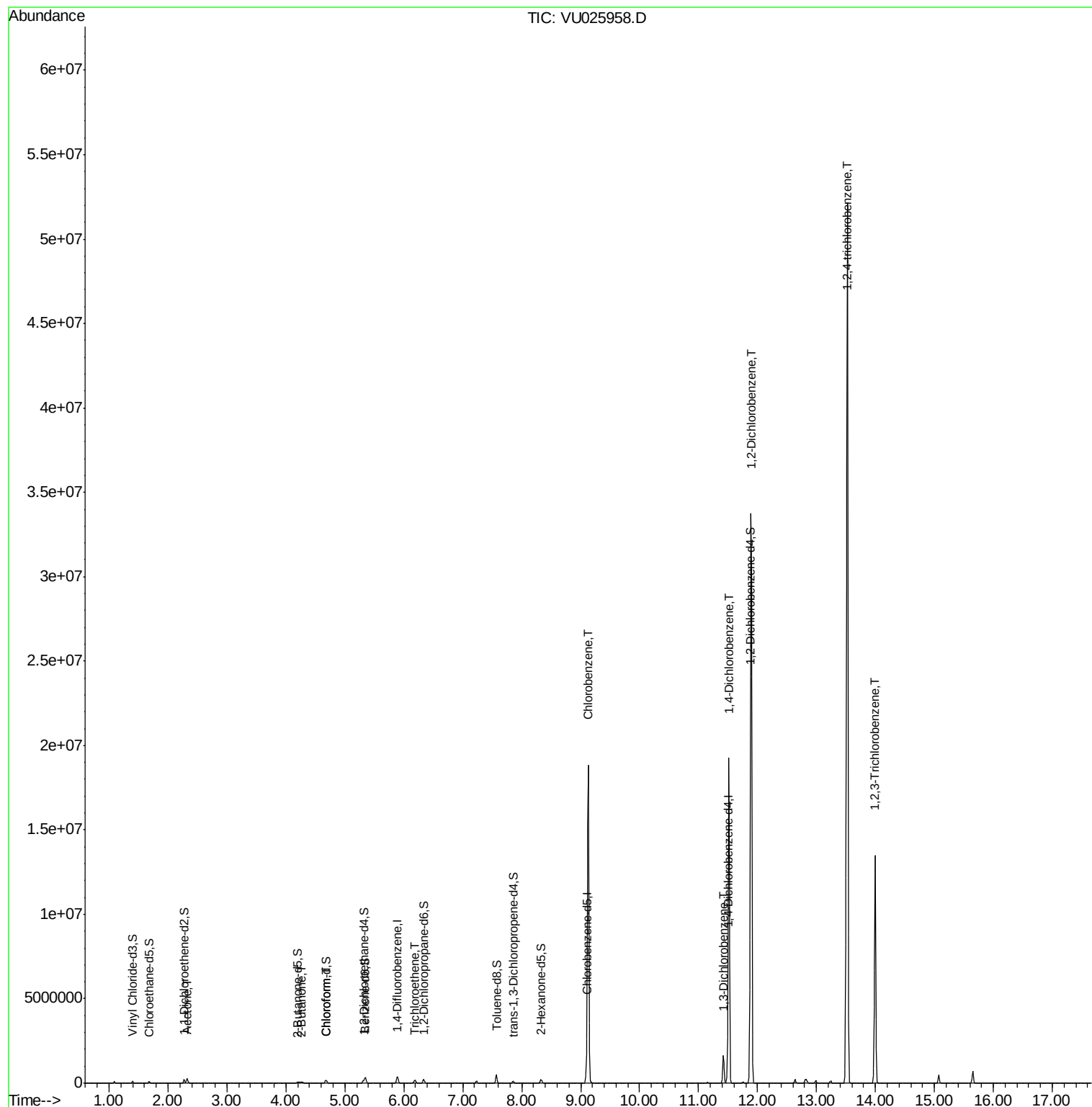
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU080718\
Data File : VU025958.D
Acq On : 07 Aug 2018 23:43
Operator : MD/SY
Sample : J4361-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

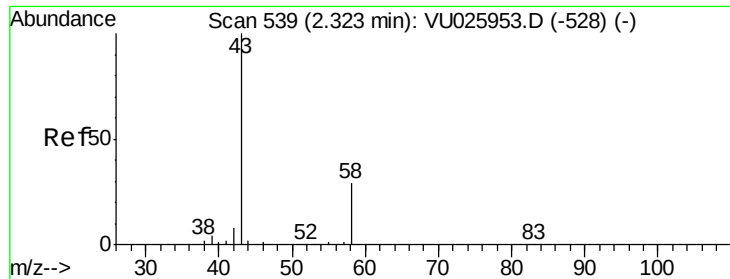
Instrument :
MSVOA_U
ClientSampleId :
A4ZC0

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Quant Time: Aug 09 02:15:14 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Aug 08 06:47:05 2018
Response via : Initial Calibration





#13

Acetone

Concen: 188.20 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025958.D

Acq: 07 Aug 2018 23:43

Instrument :

MSVOA_U

ClientSampleId :

A4ZC0

Tot Ion: 43 Resp: 266120

Ion Ratio Lower Upper

43 100

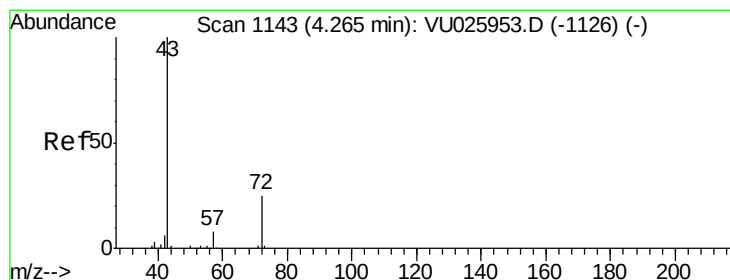
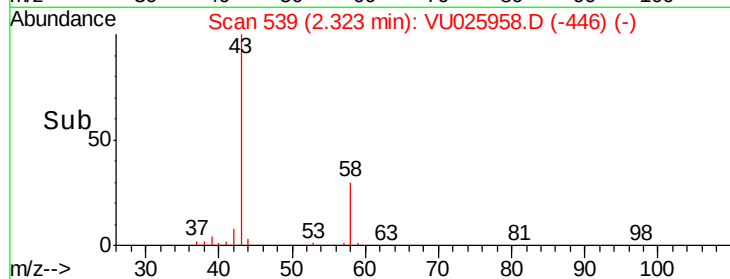
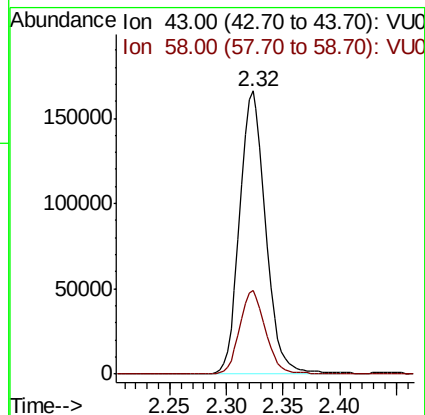
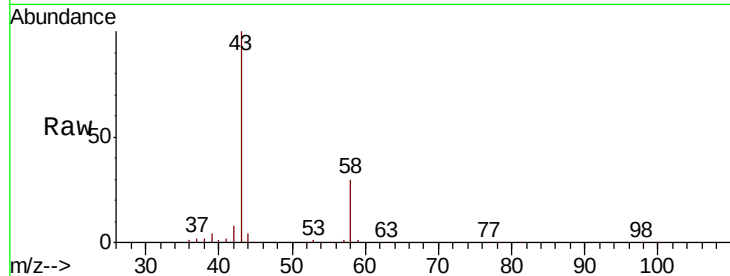
58 29.5 0.0 60.2

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#22

2-Butanone

Concen: 66.14 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU025958.D

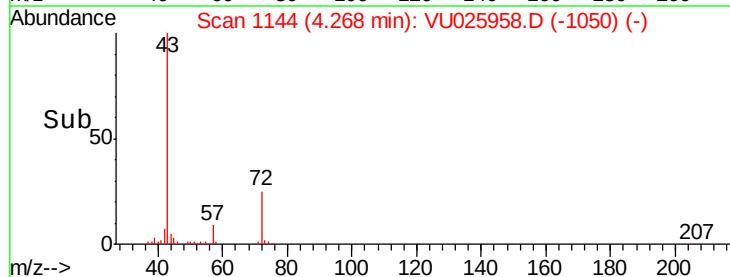
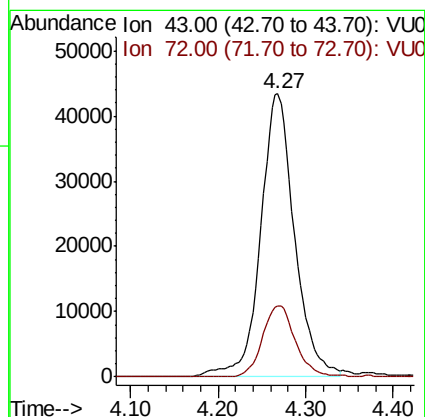
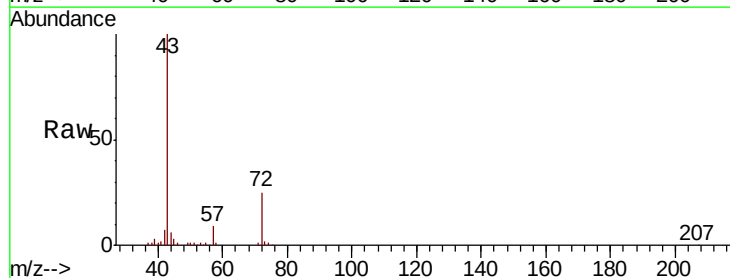
Acq: 07 Aug 2018 23:43

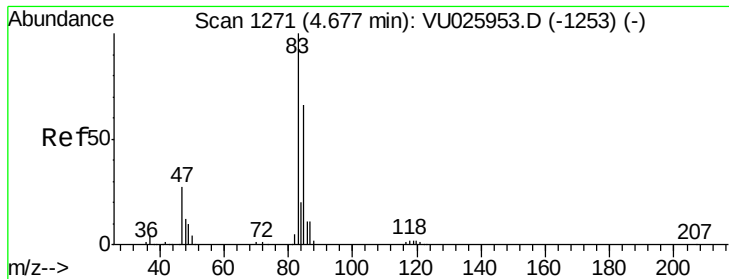
Tgt Ion: 43 Resp: 116930

Ion Ratio Lower Upper

43 100

72 24.2 13.4 40.2





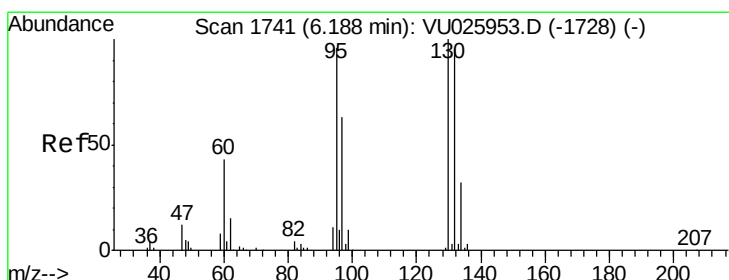
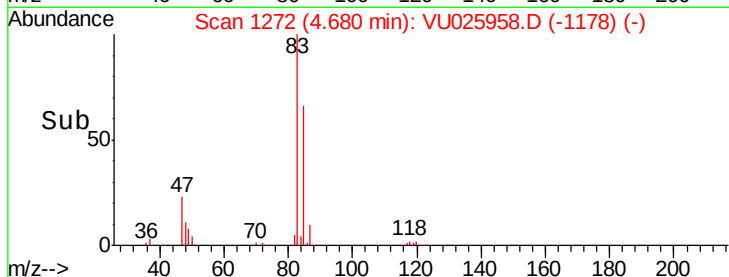
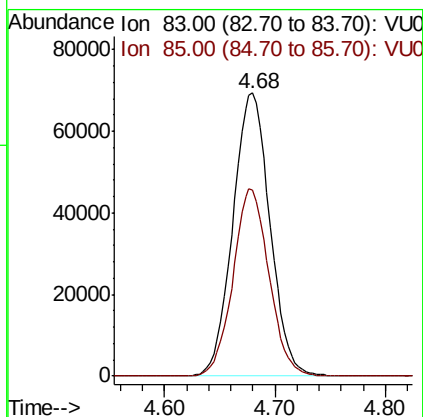
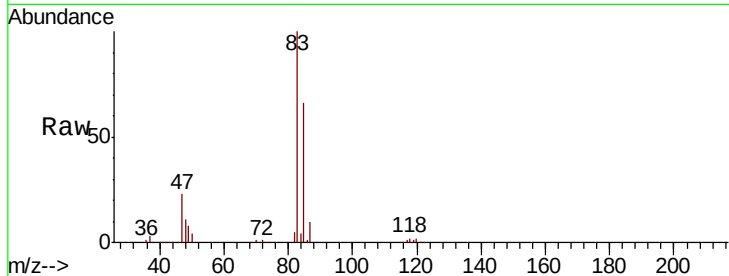
#25
Chloroform
Concen: 43.20 ug/L
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025958.D
Acq: 07 Aug 2018 23:43

Instrument :
MSVOA_U
ClientSampleId :
A4ZC0

Tot Ion	83	Resp	161829
Ion Ratio	100	Lower	Upper
83	100		
85	65.7	45.7	84.9

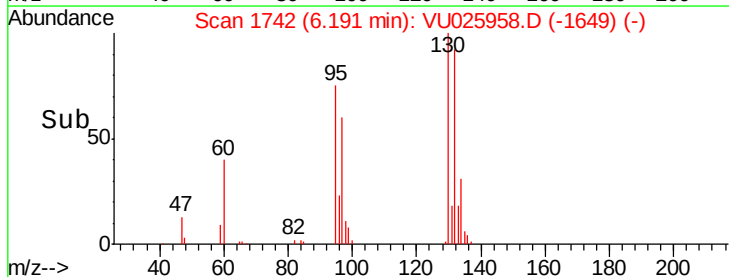
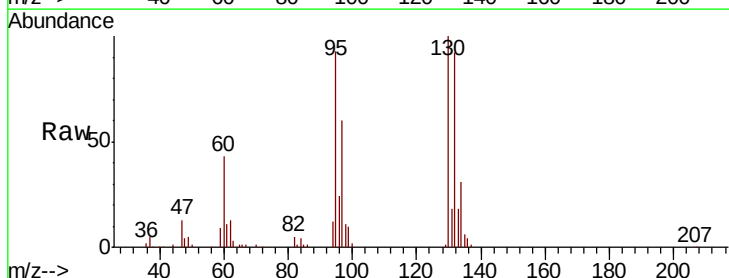
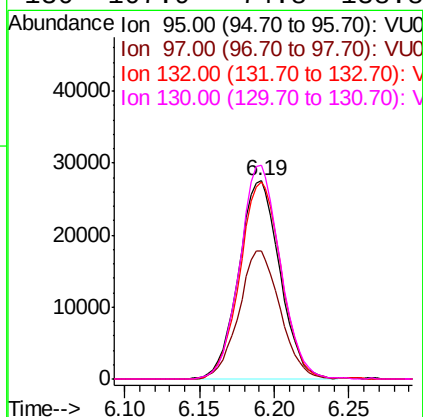
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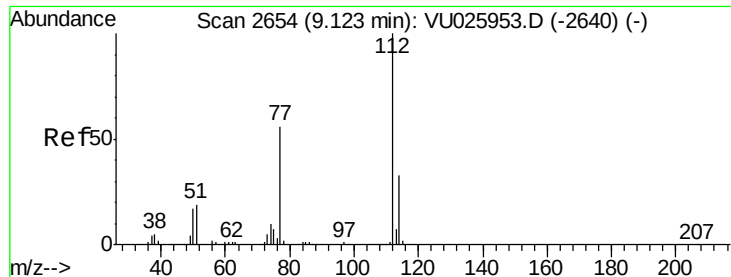
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#34
Trichloroethene
Concen: 23.50 ug/L
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU025958.D
Acq: 07 Aug 2018 23:43

Tgt Ion	95	Resp	52903
Ion Ratio	100	Lower	Upper
95	100		
97	64.4	46.6	86.6
132	99.4	73.3	136.1
130	107.9	74.8	138.8





#51

Chlorobenzene

Concen: 1639.96 ug/L

RT: 9.13 min Scan# 2655

Delta R.T. 0.00 min

Lab File: VU025958.D

Acq: 07 Aug 2018 23:43

Instrument :

MSVOA_U

ClientSampleId :

A4ZC0

Tot Ion:112 Resp: 9915109

Ion Ratio Lower Upper

112 100

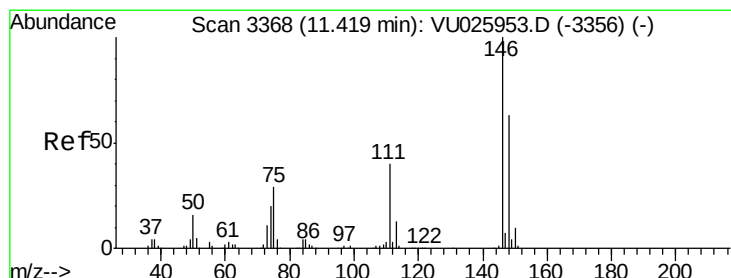
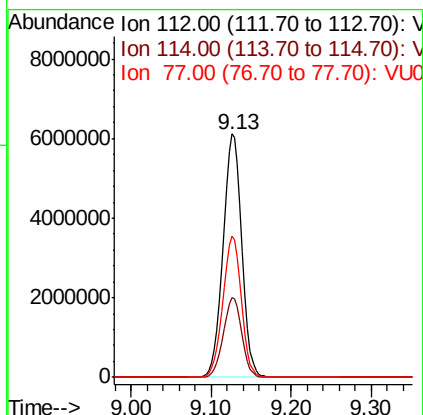
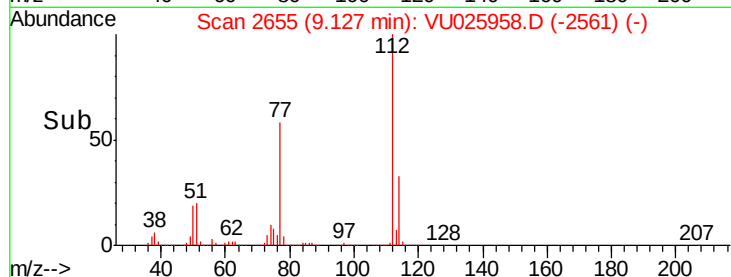
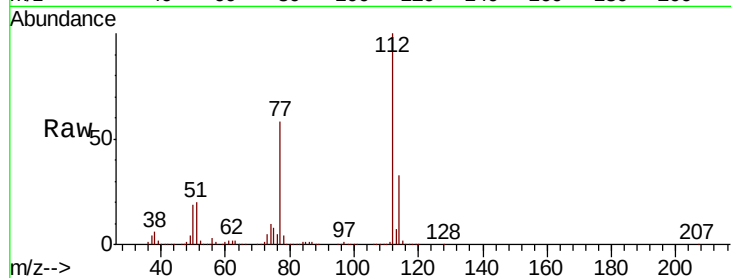
114 32.7 22.9 42.5

77 57.9 46.6 70.0

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#62

1,3-Dichlorobenzene

Concen: 126.39 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU025958.D

Acq: 07 Aug 2018 23:43

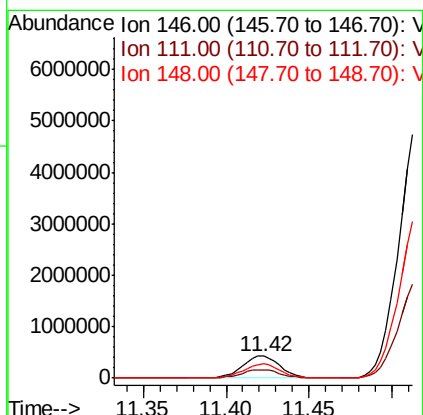
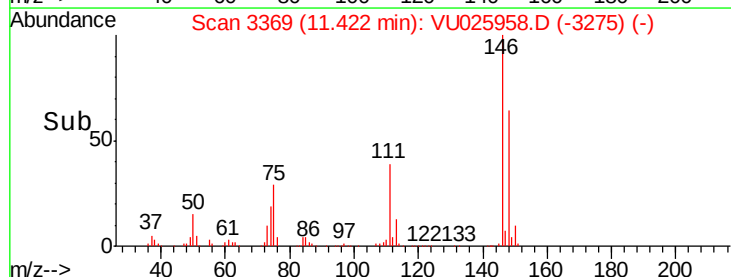
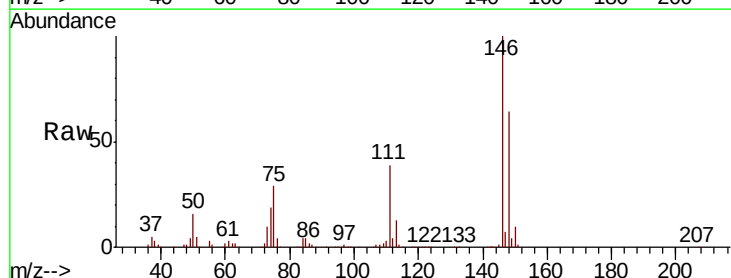
Tgt Ion:146 Resp: 668846

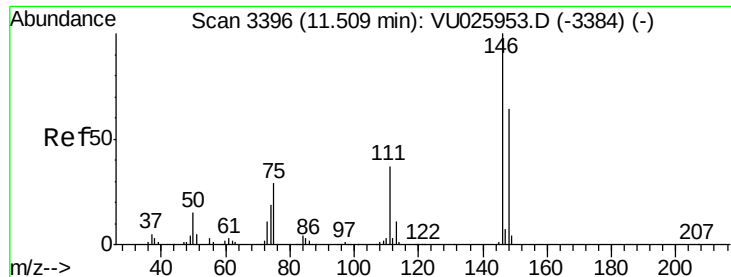
Ion Ratio Lower Upper

146 100

111 38.8 27.5 51.1

148 64.1 44.6 82.8





#63

1,4-Dichlorobenzene

Concen: 1424.90 ug/L

RT: 11.52 min Scan# 3398

Delta R.T. 0.01 min

Lab File: VU025958.D

Acq: 07 Aug 2018 23:43

Instrument :

MSVOA_U

ClientSampled :

A4ZC0

Tot Ion:146 Resp: 7682239

Ion Ratio Lower Upper

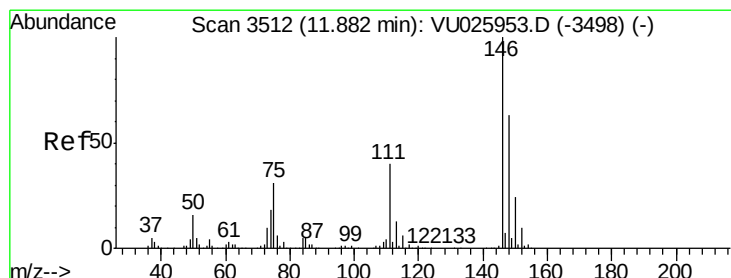
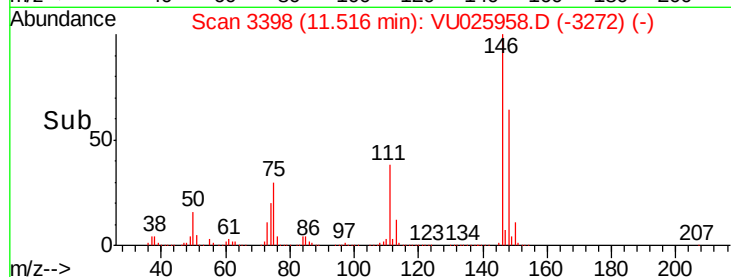
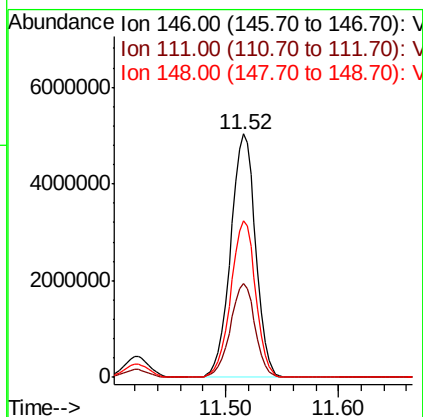
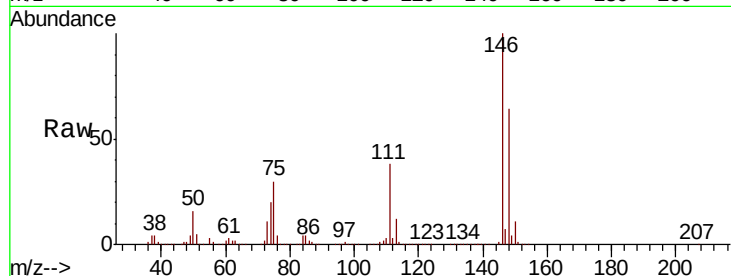
146 100

111 38.4 26.7 49.7

148 64.3 45.2 84.0

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#65

1,2-Dichlorobenzene

Concen: 2661.89 ug/L

RT: 11.89 min Scan# 3515

Delta R.T. 0.01 min

Lab File: VU025958.D

Acq: 07 Aug 2018 23:43

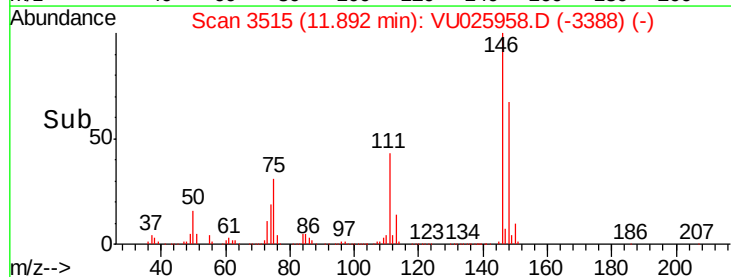
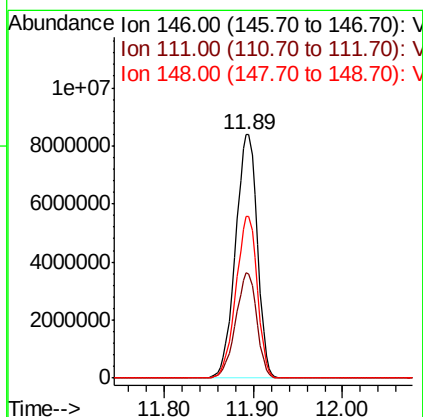
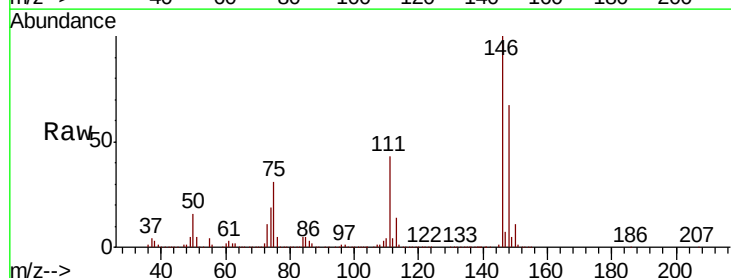
Tgt Ion:146 Resp:14124504

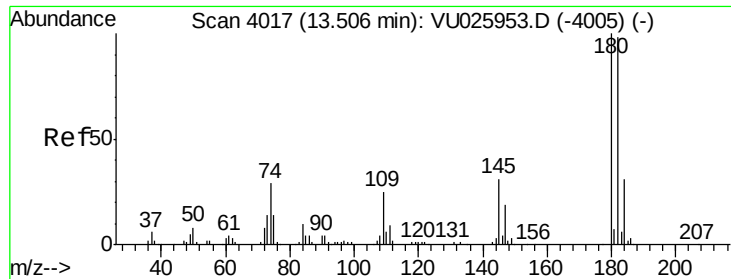
Ion Ratio Lower Upper

146 100

111 43.3 33.4 50.0

148 66.6 51.8 77.8





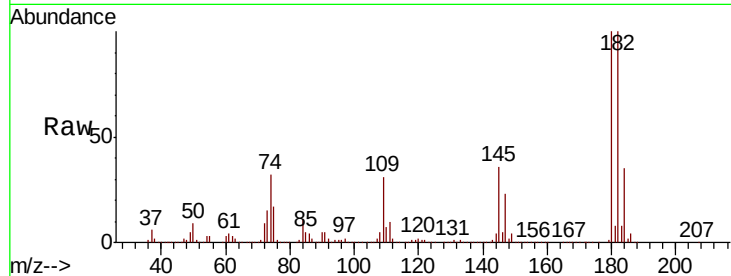
#68
 1,2,4-trichlorobenzene
 Concen: 5064.17 ug/L m
 RT: 13.52 min Scan# 4021
 Delta R.T. 0.01 min
 Lab File: VU025958.D
 Acq: 07 Aug 2018 23:43

Instrument :
 MSVOA_U
 ClientSampled :
 A4ZC0

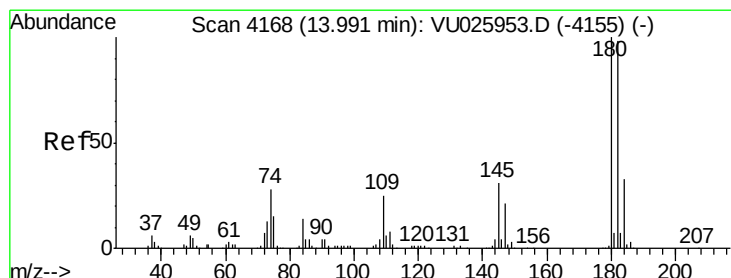
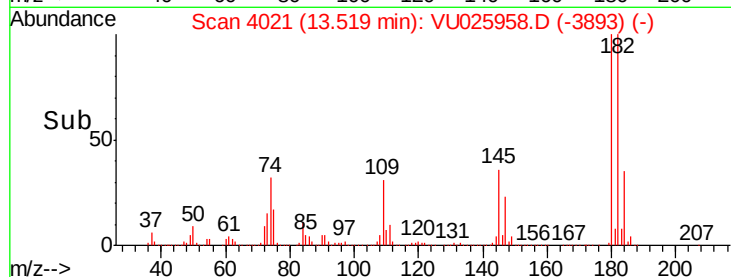
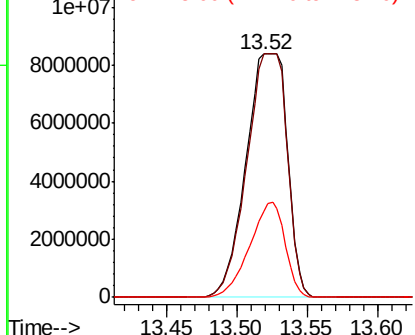
Tot Ion:180 Resp:17138618
 Ion Ratio Lower Upper
 180 100
 182 0.0 75.3 112.9#
 145 0.0 23.1 34.7#

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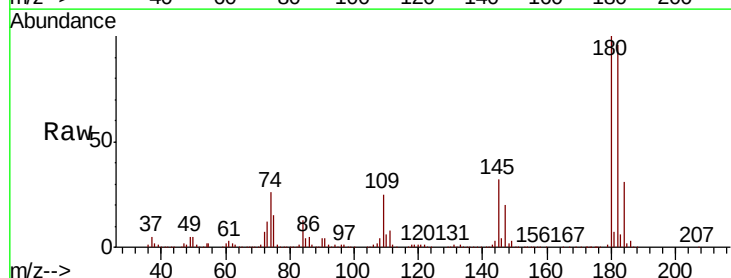


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 1200.90 ug/L
 RT: 13.99 min Scan# 4169
 Delta R.T. 0.01 min
 Lab File: VU025958.D
 Acq: 07 Aug 2018 23:43

Tgt Ion:180 Resp: 4163994
 Ion Ratio Lower Upper
 180 100
 182 95.7 77.6 116.4
 145 31.8 25.3 37.9



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

