

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080718\
 Data File : VU025959.D
 Acq On : 08 Aug 2018 00:07
 Operator : MD/SY
 Sample : J4361-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZC9

Quant Time: Aug 08 06:48:45 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	318612	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	298360	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	146141	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	84446	47.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.66%
7) Chloroethane-d5	1.68	69	67761	51.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.36%
11) 1,1-Dichloroethene-d2	2.27	63	120463	35.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.46%
21) 2-Butanone-d5	4.18	46	133998	110.30	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.30%
24) Chloroform-d	4.65	84	175663	51.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.31	65	118138	52.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.72%
32) Benzene-d6	5.35	84	338112	51.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.82%
36) 1,2-Dichloropropane-d6	6.34	67	109089	53.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.70%
41) Toluene-d8	7.57	98	311137	48.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.52%
43) trans-1,3-Dichloropropene-	7.85	79	51406	47.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.88%
47) 2-Hexanone-d5	8.31	63	89688	105.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.40%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	145404	51.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	130653	54.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.24%

Target Compounds

					Qvalue
13) Acetone	2.32	43	107047	74.437 ug/L	97
22) 2-Butanone	4.27	43	70818	39.388 ug/L	100
27) 1,2-Dichloroethane	5.41	62	3714	1.222 ug/L #	85
37) 1,2-Dichloropropane	6.34	63	11896	5.709 ug/L #	88
42) Toluene	7.64	91	59047	6.938 ug/L	97
46) Tetrachloroethene	8.23	164	3205	1.718 ug/L	89
49) Dibromochloromethane	8.23	129	3196	1.307 ug/L #	11
51) Chlorobenzene	9.12	112	1787451	306.706 ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	101143	23.133 ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	723826	162.494 ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	833959	190.225 ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	1367	2.052 ug/L #	1
67) 1,3,5-Trichlorobenzene	13.51	180	466280	144.727 ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	466280	166.758 ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	111298	38.850 ug/L	99

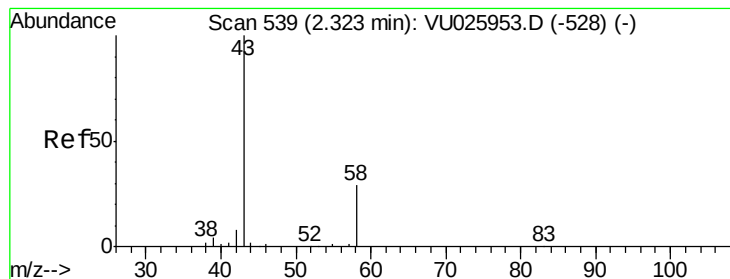
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080718\
Data File : VU025959.D
Acq On : 08 Aug 2018 00:07
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Quant Title : VOC Analysis
QLast Update : Wed Aug 08 06:47:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#13

Acetone

Concen: 74.437 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025959.D

Acq: 08 Aug 2018 00:07

Instrument :

MSVOA_U

ClientSampleId :

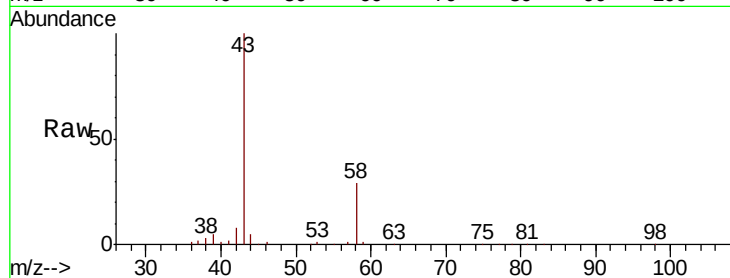
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Tgt Ion: 43 Resp: 107047

Ion Ratio Lower Upper

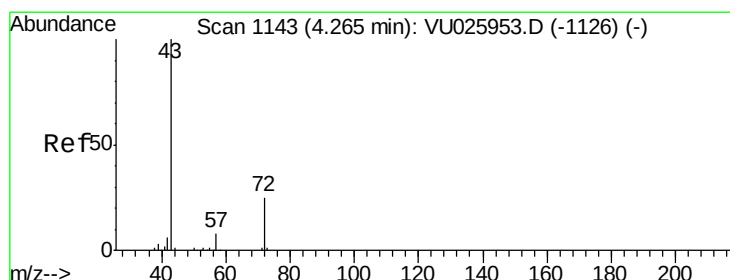
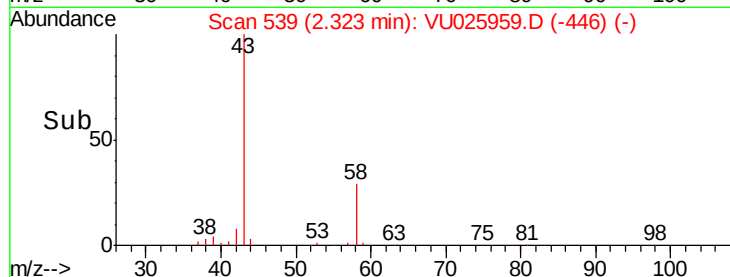
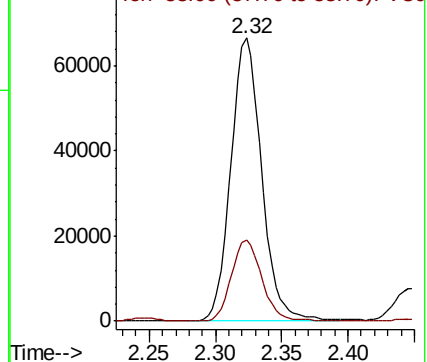
43 100

58 28.6 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#22

2-Butanone

Concen: 39.388 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025959.D

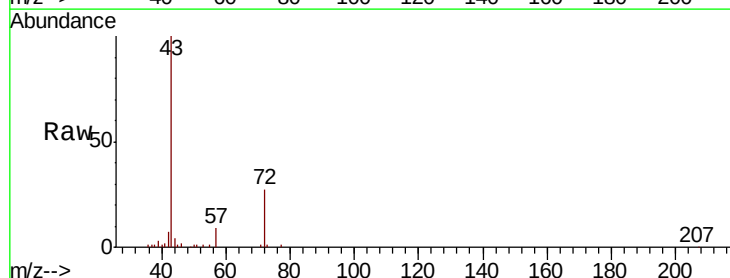
Acq: 08 Aug 2018 00:07

Tgt Ion: 43 Resp: 70818

Ion Ratio Lower Upper

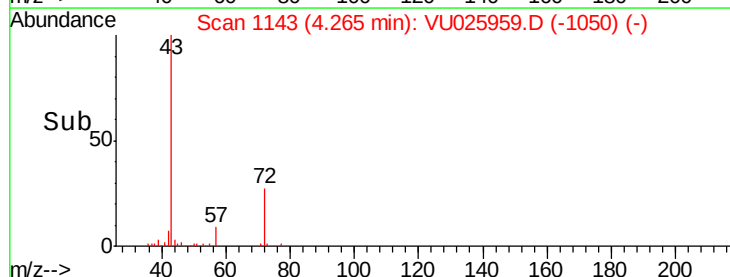
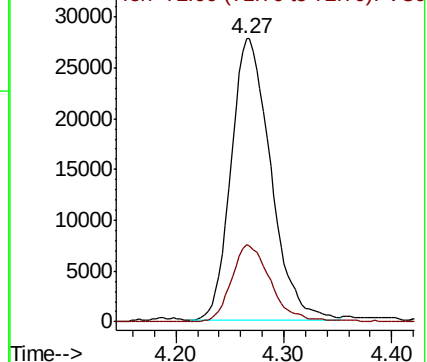
43 100

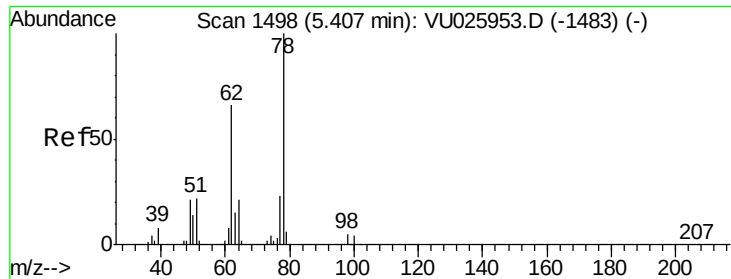
72 26.8 13.4 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

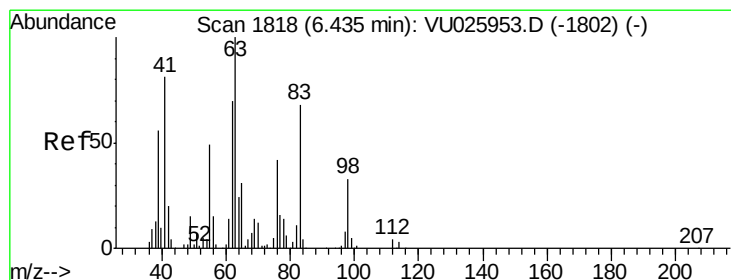
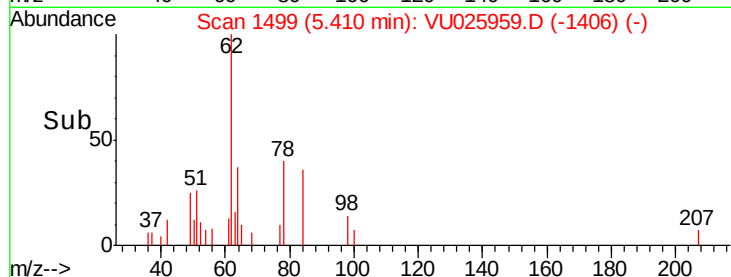
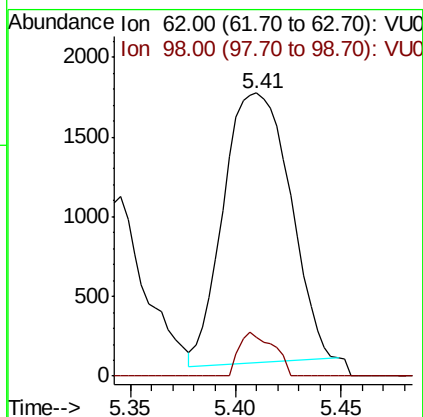
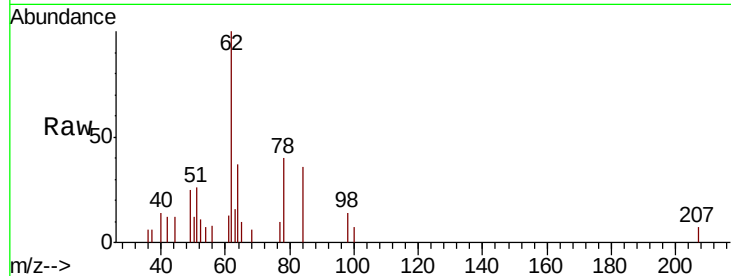




#27
 1,2-Dichloroethane
 Concen: 1.222 ug/L
 RT: 5.41 min Scan# 1499
 Delta R.T. 0.00 min
 Lab File: VU025959.D
 Acq: 08 Aug 2018 00:07

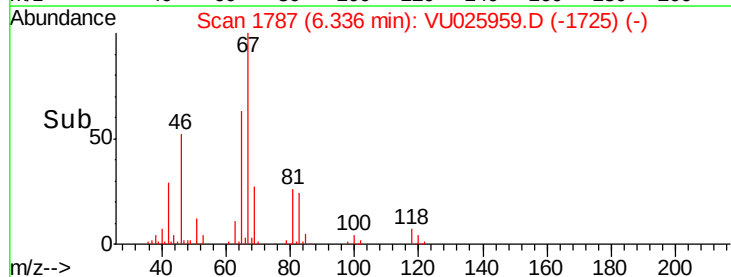
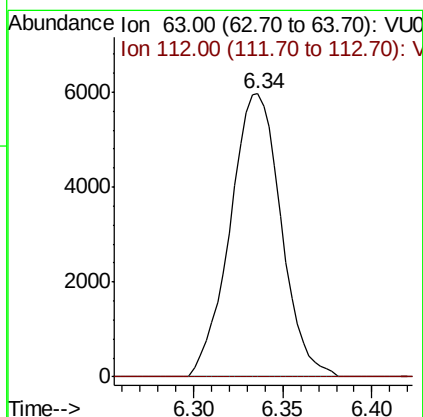
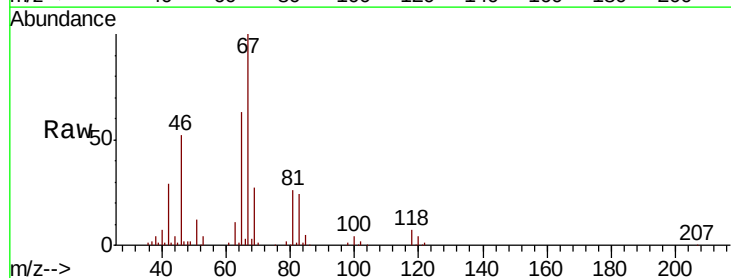
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZC9

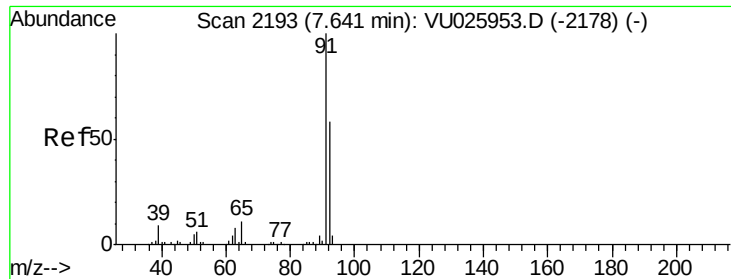
Tgt Ion: 62 Resp: 3714
 Ion Ratio Lower Upper
 62 100
 98 13.9 6.8 10.2#



#37
 1,2-Dichloropropane
 Concen: 5.709 ug/L
 RT: 6.34 min Scan# 1787
 Delta R.T. -0.10 min
 Lab File: VU025959.D
 Acq: 08 Aug 2018 00:07

Tgt Ion: 63 Resp: 11896
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.3 4.9#





#42

Toluene

Concen: 6.938 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025959.D

Acq: 08 Aug 2018 00:07

Instrument :

MSVOA_U

ClientSampleId :

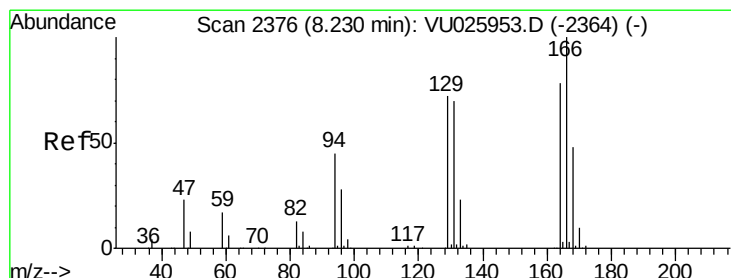
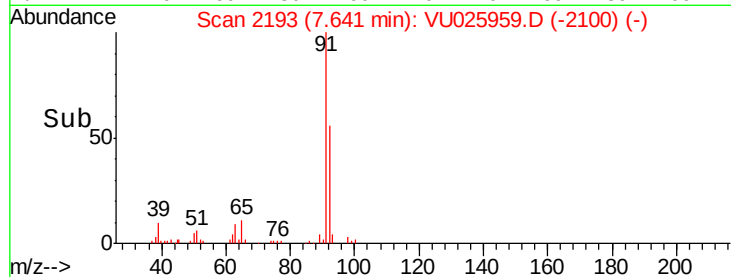
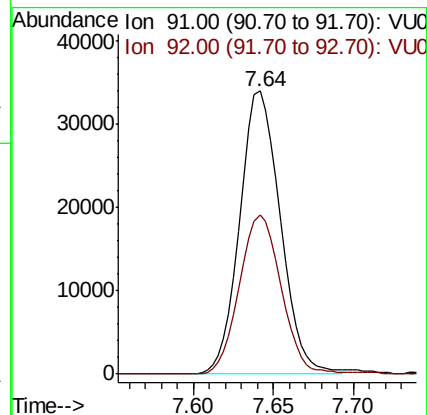
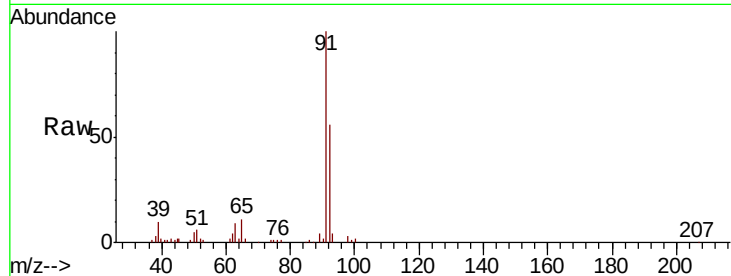
A4ZC9

Tgt Ion: 91 Resp: 59047

Ion Ratio Lower Upper

91 100

92 56.4 40.9 75.9



#46

Tetrachloroethene

Concen: 1.718 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025959.D

Acq: 08 Aug 2018 00:07

Tgt Ion: 164 Resp: 3205

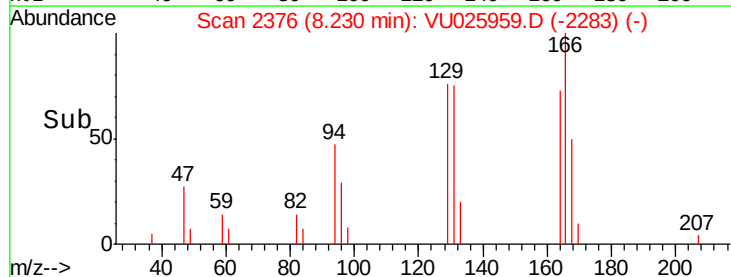
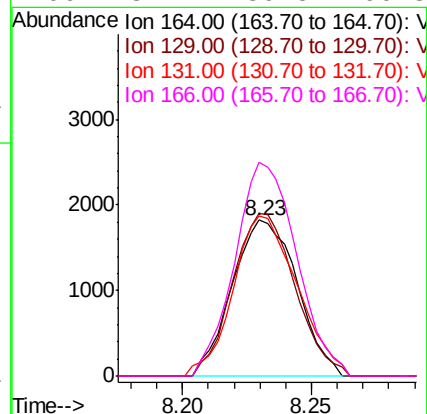
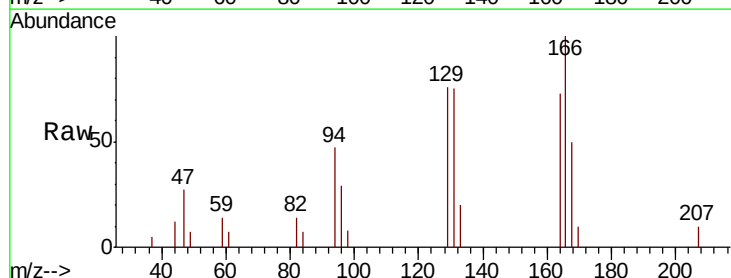
Ion Ratio Lower Upper

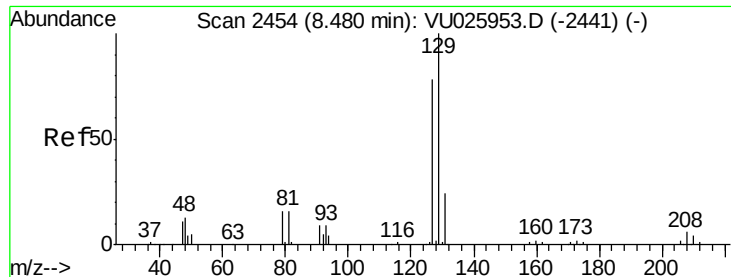
164 100

129 104.1 64.8 120.3

131 102.7 63.1 117.3

166 137.1 89.5 166.3





#49

Dibromochloromethane

Concen: 1.307 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.25 min

Lab File: VU025959.D

Acq: 08 Aug 2018 00:07

Instrument :

MSVOA_U

ClientSampleId :

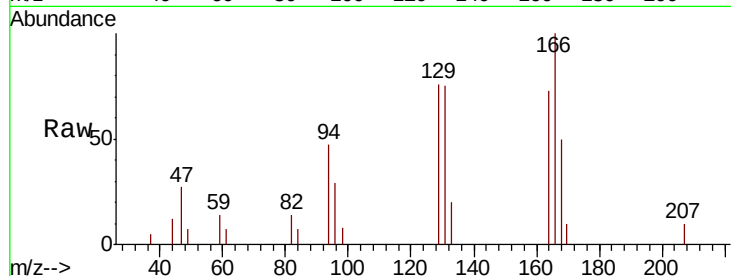
A4ZC9

Tgt Ion:129 Resp: 3196

Ion Ratio Lower Upper

129 100

127 0.0 54.3 100.8#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.23

2000

1500

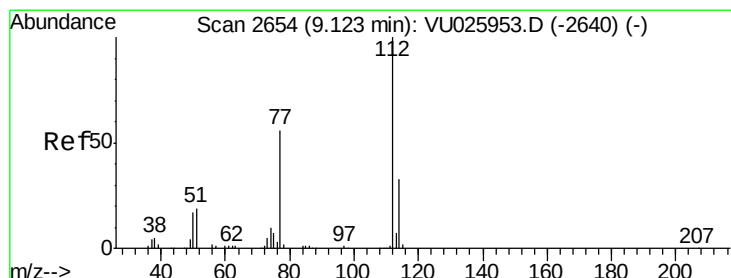
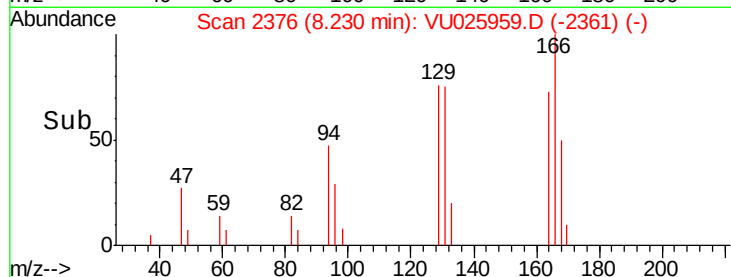
1000

500

0

8.20 8.25

Time-->



#51

Chlorobenzene

Concen: 306.706 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025959.D

Acq: 08 Aug 2018 00:07

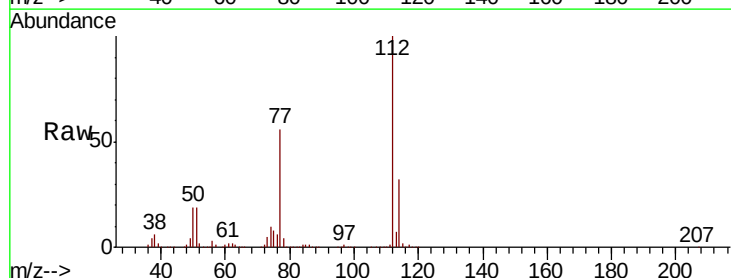
Tgt Ion:112 Resp: 1787451

Ion Ratio Lower Upper

112 100

114 32.3 22.9 42.5

77 56.3 46.6 70.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0

1500000

1000000

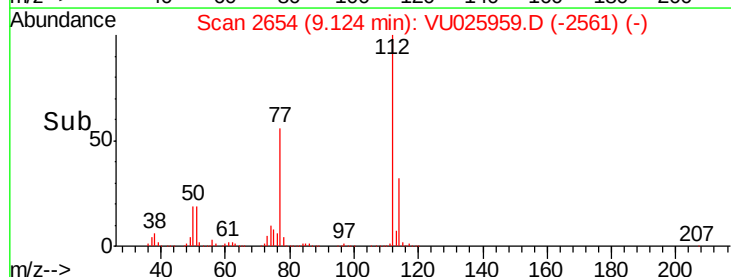
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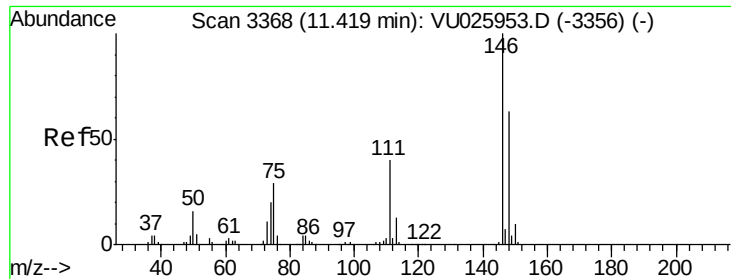
0

9.12

9.00 9.10 9.20 9.30

Time-->

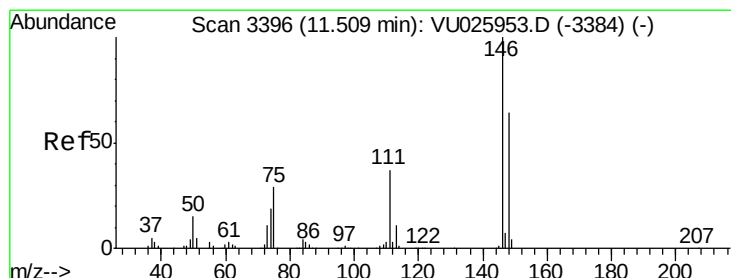
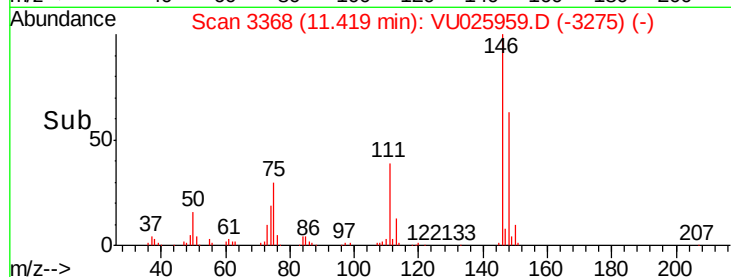
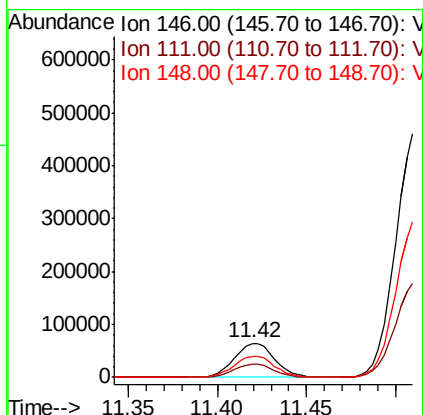
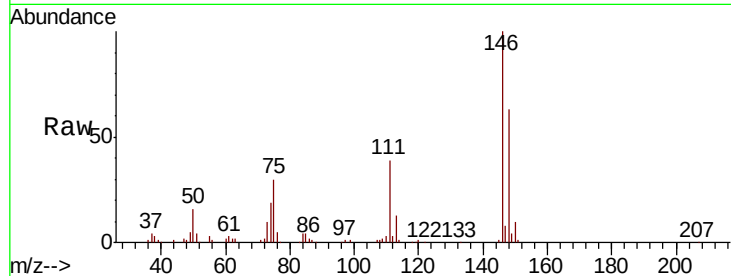




#62
 1,3-Dichlorobenzene
 Concen: 23.133 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025959.D
 Acq: 08 Aug 2018 00:07

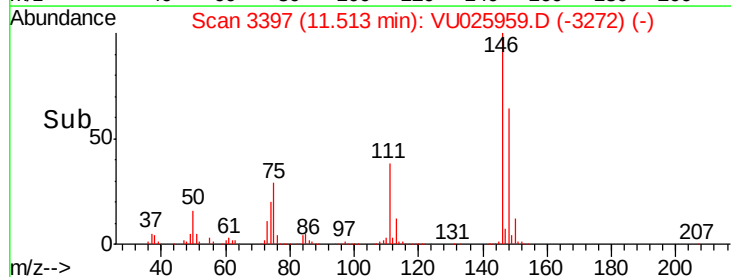
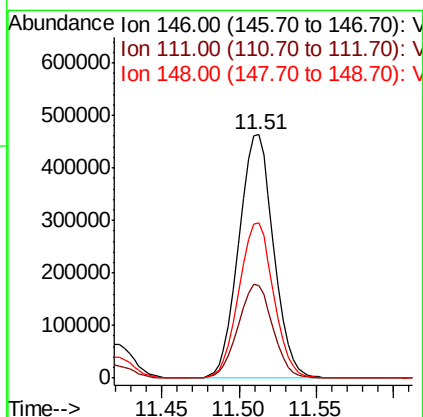
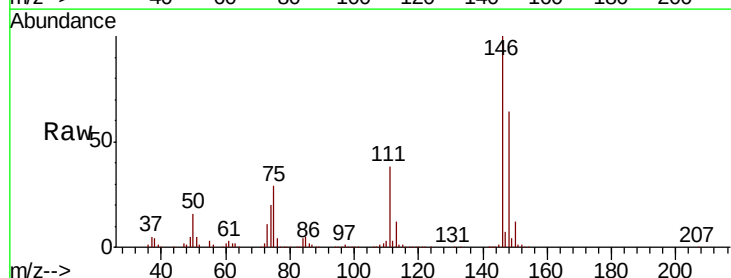
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZC9

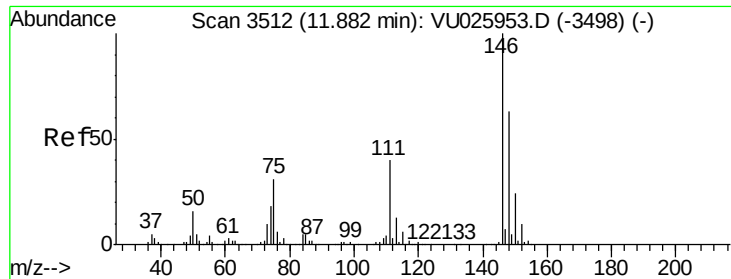
Tgt Ion:146 Resp: 101143
 Ion Ratio Lower Upper
 146 100
 111 38.7 27.5 51.1
 148 63.2 44.6 82.8



#63
 1,4-Dichlorobenzene
 Concen: 162.494 ug/L
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025959.D
 Acq: 08 Aug 2018 00:07

Tgt Ion:146 Resp: 723826
 Ion Ratio Lower Upper
 146 100
 111 38.3 26.7 49.7
 148 63.8 45.2 84.0

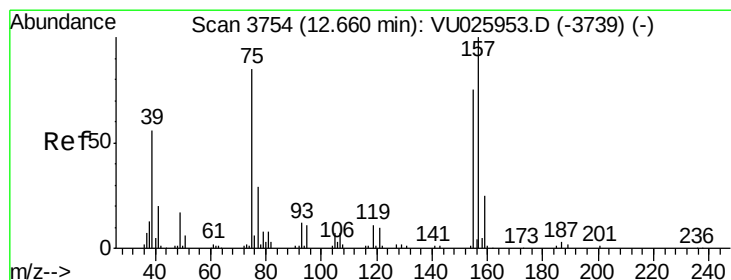
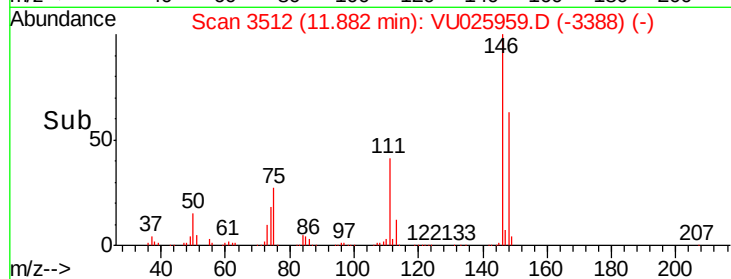
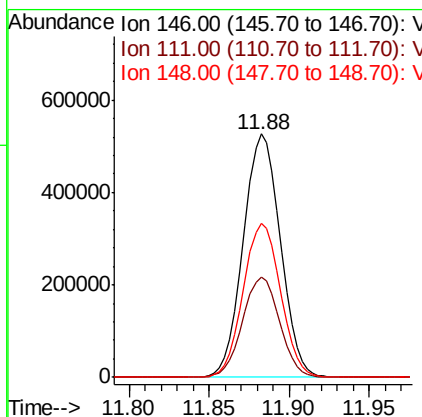
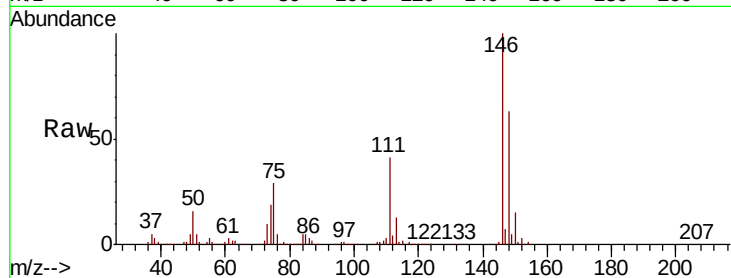




#65
 1,2-Dichlorobenzene
 Concen: 190.225 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025959.D
 Acq: 08 Aug 2018 00:07

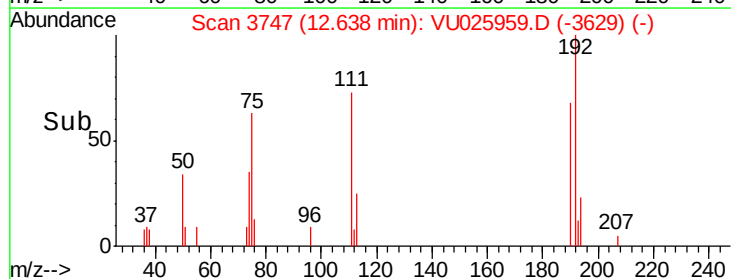
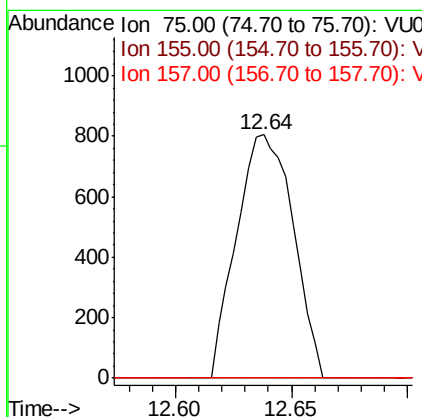
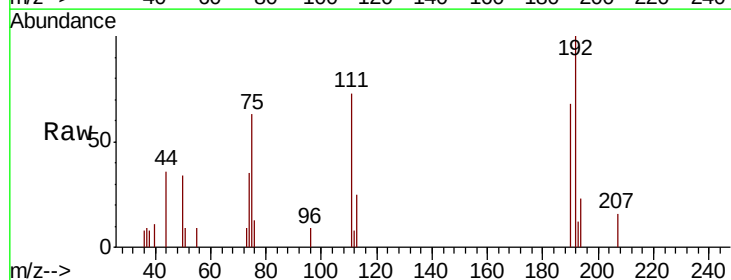
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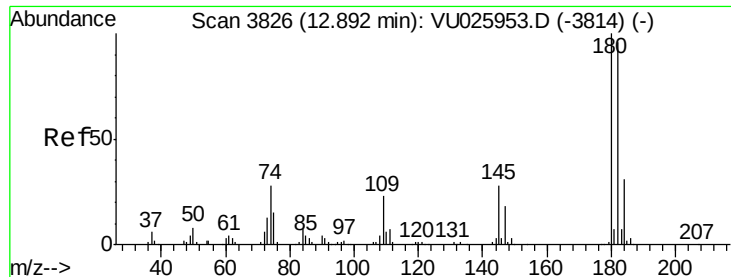
Tgt Ion:146 Resp: 833959
 Ion Ratio Lower Upper
 146 100
 111 41.2 33.4 50.0
 148 63.1 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.052 ug/L
 RT: 12.64 min Scan# 3747
 Delta R.T. -0.02 min
 Lab File: VU025959.D
 Acq: 08 Aug 2018 00:07

Tgt Ion: 75 Resp: 1367
 Ion Ratio Lower Upper
 75 100
 155 0.0 71.4 107.2#
 157 0.0 92.0 138.0#

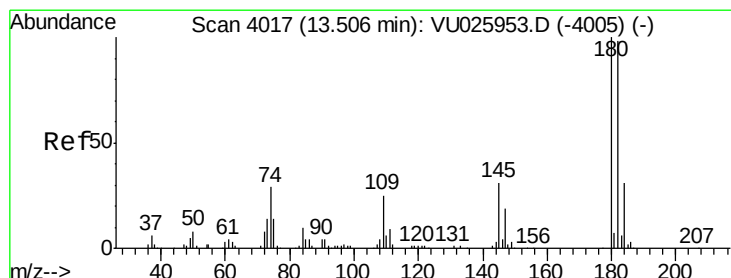
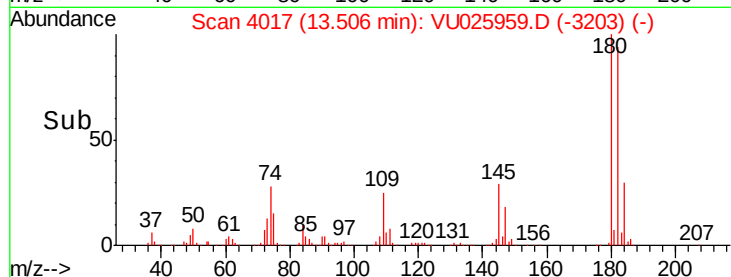
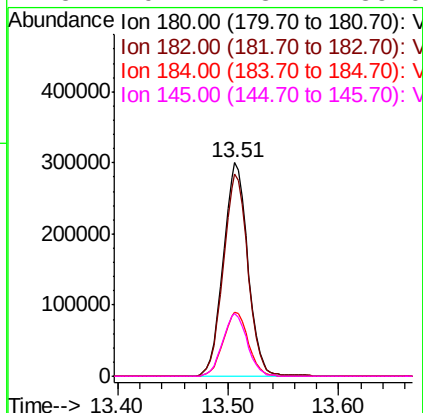
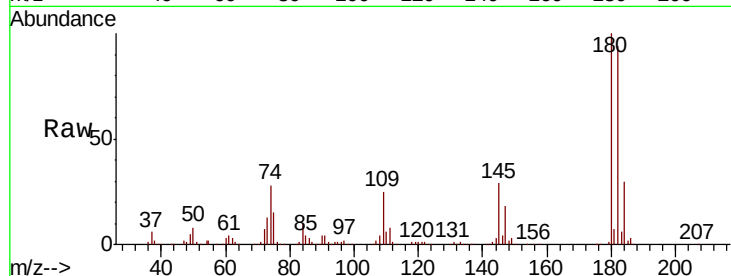




#67
 1,3,5-Trichlorobenzene
 Concen: 144.727 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.62 min
 Lab File: VU025959.D
 Acq: 08 Aug 2018 00:07

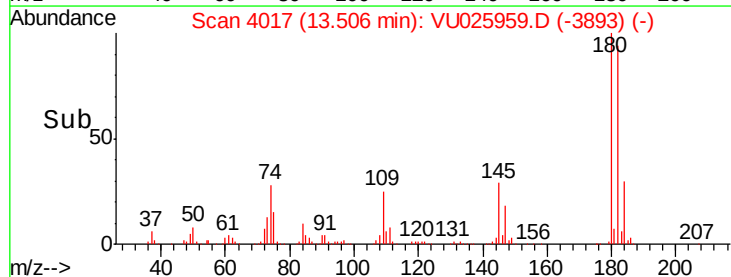
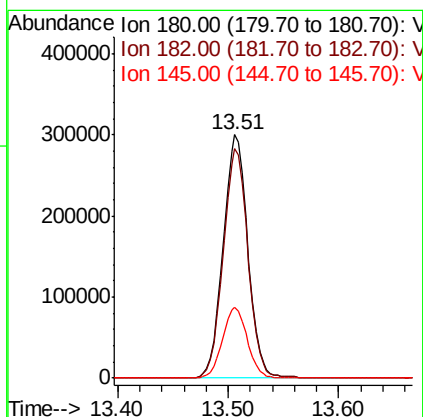
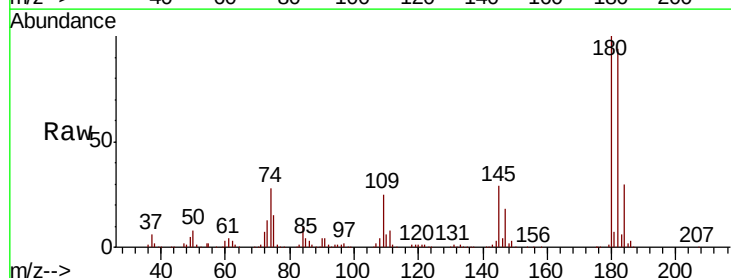
Instrument :
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 ClientSampleId :
 A4ZC9

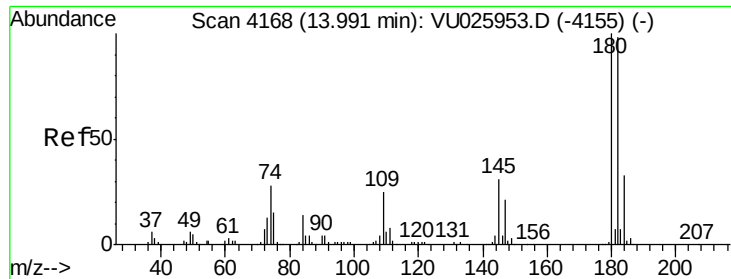
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.8	116.6
184	30.4	24.6	37.0
145	29.1	23.4	35.0



#68
 1,2,4-trichlorobenzene
 Concen: 166.758 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025959.D
 Acq: 08 Aug 2018 00:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.3	112.9
145	29.1	23.1	34.7





#70
 1,2,3-Trichlorobenzene
 Concen: 38.850 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU025959.D
 Acq: 08 Aug 2018 00:07

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZC9

Tgt Ion	Resp	Lower	Upper
180	111298		
182	96.2	77.6	116.4
145	31.7	25.3	37.9

