

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080718\
 Data File : VU025960.D
 Acq On : 08 Aug 2018 00:31
 Operator : MD/SY
 Sample : J4361-15
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZD0

Quant Time: Aug 08 06:48:54 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	323141	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	302579	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	148966	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	81433	45.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.96%
7) Chloroethane-d5	1.68	69	65941	49.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.20%
11) 1,1-Dichloroethene-d2	2.27	63	120193	34.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.32%
21) 2-Butanone-d5	4.18	46	132808	107.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.79%
24) Chloroform-d	4.65	84	171484	49.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.94%
26) 1,2-Dichloroethane-d4	5.31	65	117156	51.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.40%
32) Benzene-d6	5.35	84	336492	50.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.90%
36) 1,2-Dichloropropane-d6	6.34	67	106529	51.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.74%
41) Toluene-d8	7.57	98	307350	47.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.98%
43) trans-1,3-Dichloropropene-	7.85	79	49615	45.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.26%
47) 2-Hexanone-d5	8.31	63	89963	104.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.25%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	147625	51.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.78%
64) 1,2-Dichlorobenzene-d4	11.86	152	129074	52.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.90%

Target Compounds

					Qvalue
13) Acetone	2.32	43	111377	76.362	ug/L 100
22) 2-Butanone	4.27	43	71043	38.959	ug/L 99
27) 1,2-Dichloroethane	5.41	62	4166	1.352	ug/L 97
42) Toluene	7.64	91	59145	6.852	ug/L 100
46) Tetrachloroethene	8.23	164	3082	1.629	ug/L 94
49) Dibromochloromethane	8.23	129	2980	1.202	ug/L # 11
51) Chlorobenzene	9.12	112	1700322	287.688	ug/L 98
59) 1,2,3-Trichloropropane	11.42	75	28952	10.765	ug/L # 44
62) 1,3-Dichlorobenzene	11.42	146	96169	21.578	ug/L 99
63) 1,4-Dichlorobenzene	11.51	146	685147	150.894	ug/L 100
65) 1,2-Dichlorobenzene	11.88	146	788851	176.524	ug/L 98
66) 1,2-Dibromo-3-chloropropan	12.64	75	1052	1.549	ug/L # 1
67) 1,3,5-Trichlorobenzene	13.51	180	355541	108.262	ug/L 98
68) 1,2,4-trichlorobenzene	13.51	180	355541	124.742	ug/L 99
70) 1,2,3-Trichlorobenzene	13.99	180	81742	27.992	ug/L 100

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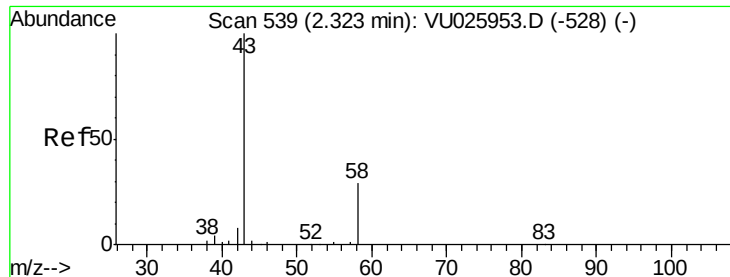
Instrument :
MSVOA_U
ClientSampleId :
A4ZD0

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
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QLast Update : Wed Aug 08 06:47:05 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU080718\
Data File : VU025960.D
Acq On    : 08 Aug 2018   00:31
Operator  : MD/SY
Sample    : J4361-15
Misc      : 5.0mL/MSVOA_U/WATER
ALS Vial  : 30      Sample Multiplier: 1
```



#13

Acetone

Concen: 76.362 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025960.D

Acq: 08 Aug 2018 00:31

Instrument :

MSVOA_U

ClientSampleId :

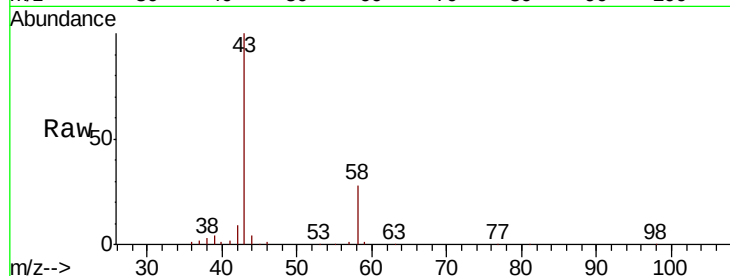
A4ZD0

Tgt Ion: 43 Resp: 111377

Ion Ratio Lower Upper

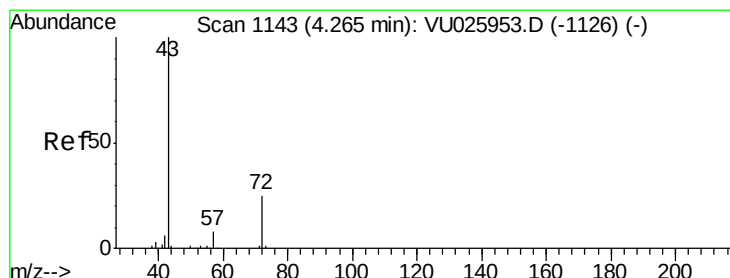
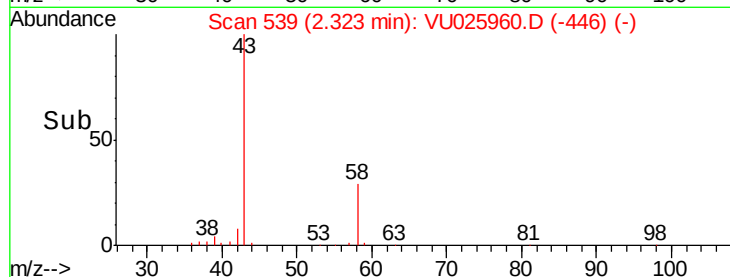
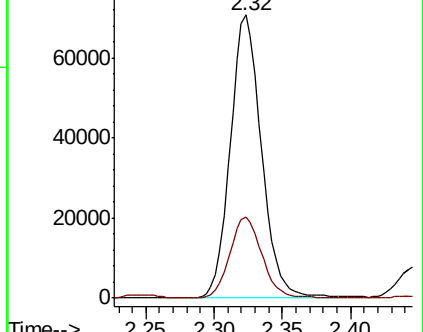
43 100

58 29.9 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VU025953.D (-528) (-)

Ion 58.00 (57.70 to 58.70): VU025953.D (-528) (-)



#22

2-Butanone

Concen: 38.959 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU025960.D

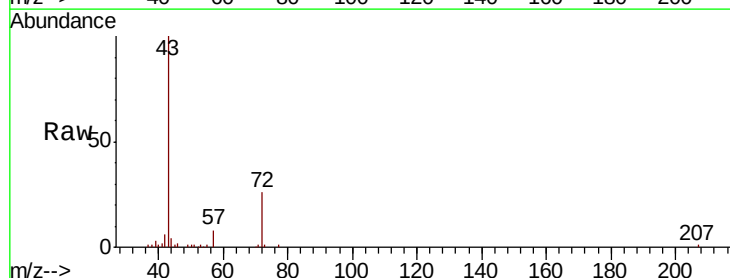
Acq: 08 Aug 2018 00:31

Tgt Ion: 43 Resp: 71043

Ion Ratio Lower Upper

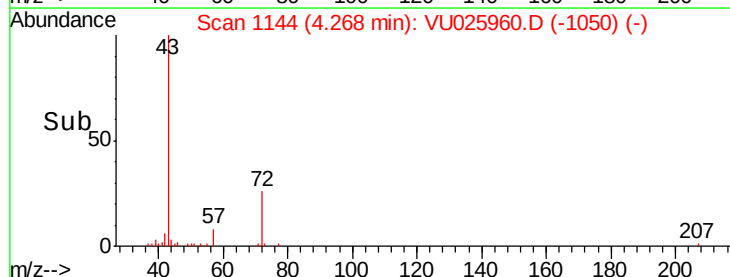
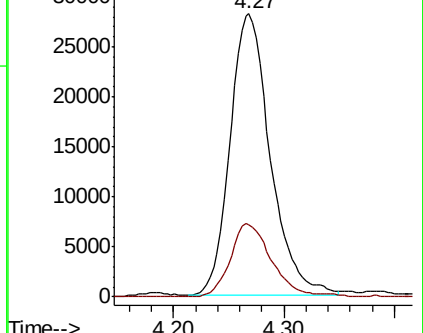
43 100

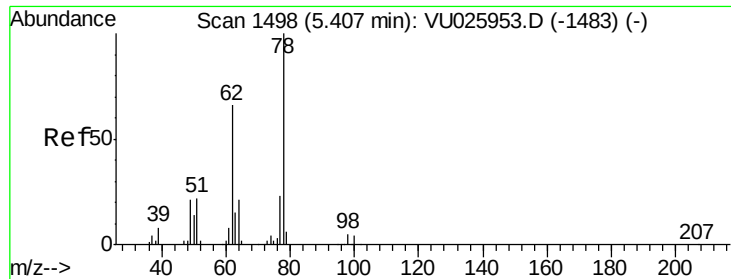
72 26.3 13.4 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU025953.D (-1126) (-)

Ion 72.00 (71.70 to 72.70): VU025953.D (-1126) (-)

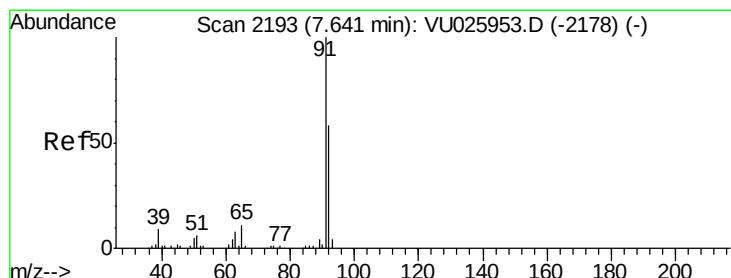
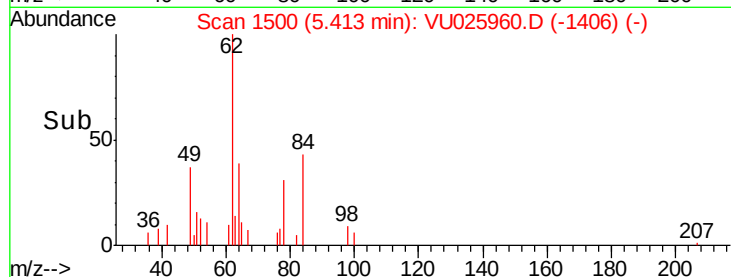
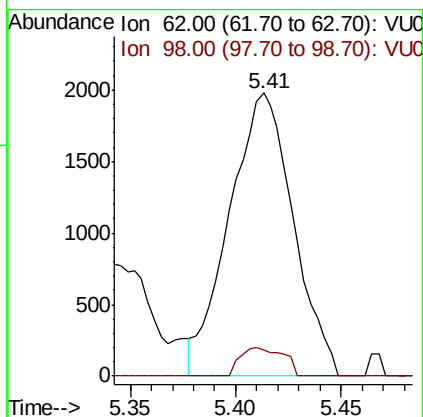
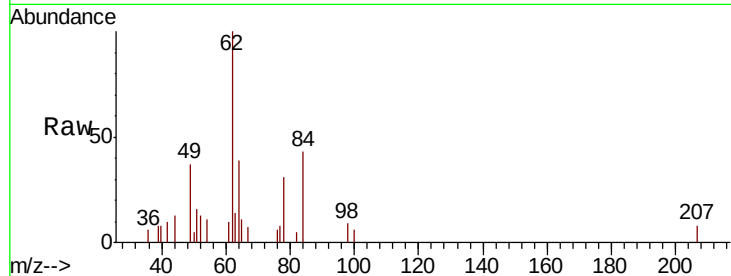




#27
 1,2-Dichloroethane
 Concen: 1.352 ug/L
 RT: 5.41 min Scan# 1500
 Delta R.T. 0.00 min
 Lab File: VU025960.D
 Acq: 08 Aug 2018 00:31

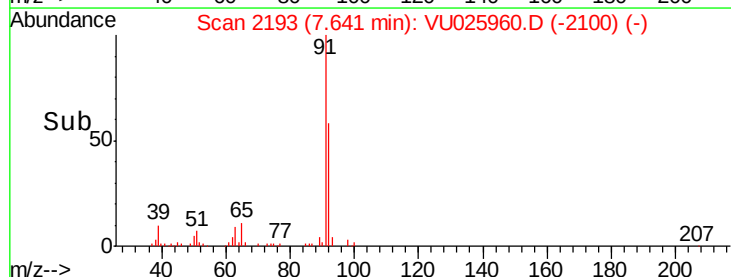
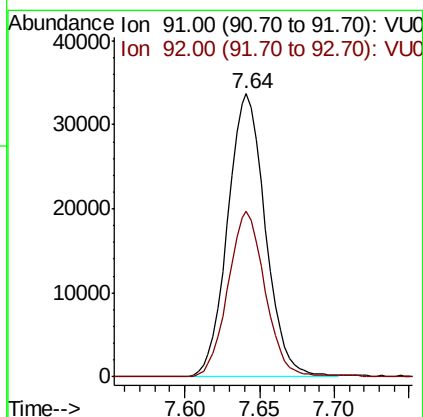
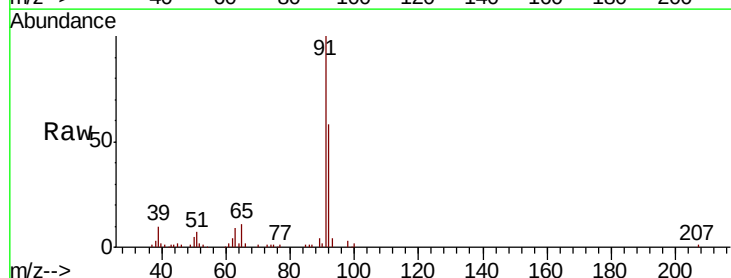
Instrument :
 MSVOA_U
 ClientSampleID :
 A4ZD0

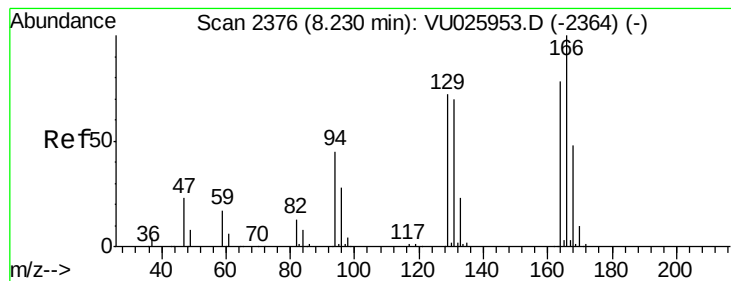
Tgt Ion: 62 Resp: 4166
 Ion Ratio Lower Upper
 62 100
 98 9.5 6.8 10.2



#42
 Toluene
 Concen: 6.852 ug/L
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU025960.D
 Acq: 08 Aug 2018 00:31

Tgt Ion: 91 Resp: 59145
 Ion Ratio Lower Upper
 91 100
 92 58.4 40.9 75.9





#46

Tetrachloroethene

Concen: 1.629 ug/L

RT: 8.23 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VU025960.D

Acq: 08 Aug 2018 00:31

Instrument :

MSVOA_U

ClientSampleId :

A4ZD0

Tgt Ion:164 Resp: 3082

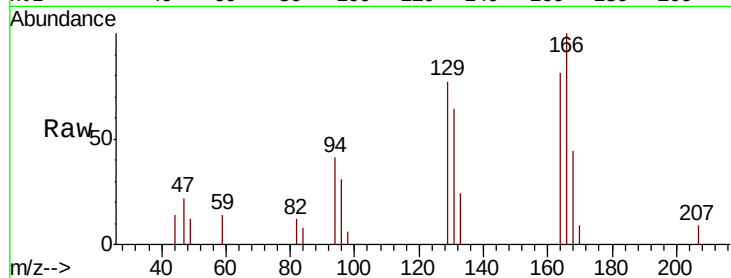
Ion Ratio Lower Upper

164 100

129 94.4 64.8 120.3

131 78.7 63.1 117.3

166 123.0 89.5 166.3

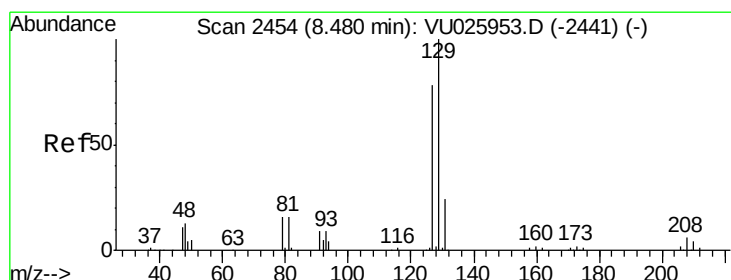
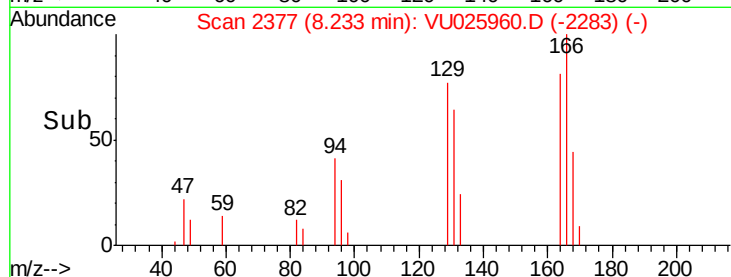
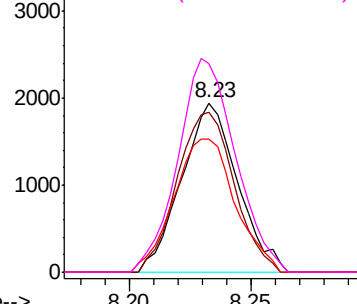


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

Dibromochloromethane

Concen: 1.202 ug/L

RT: 8.23 min Scan# 2377

Delta R.T. -0.25 min

Lab File: VU025960.D

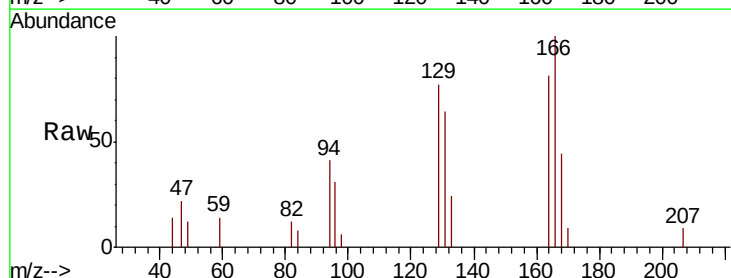
Acq: 08 Aug 2018 00:31

Tgt Ion:129 Resp: 2980

Ion Ratio Lower Upper

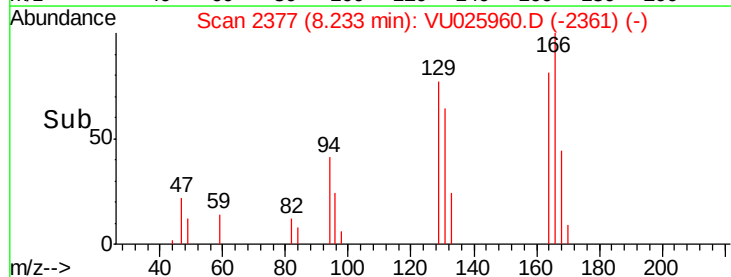
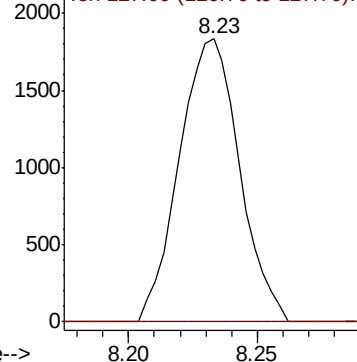
129 100

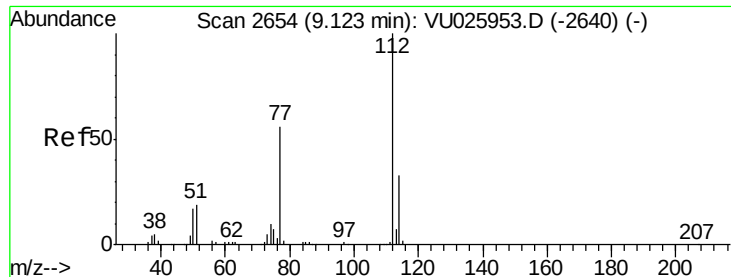
127 0.0 54.3 100.8#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

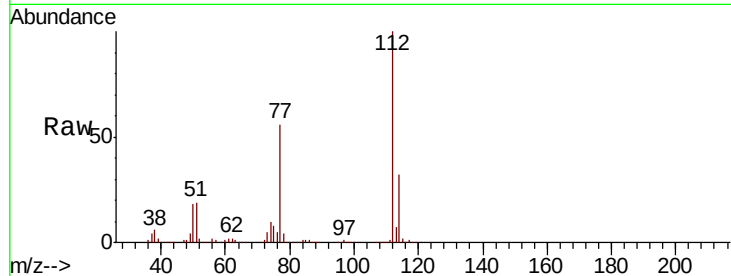




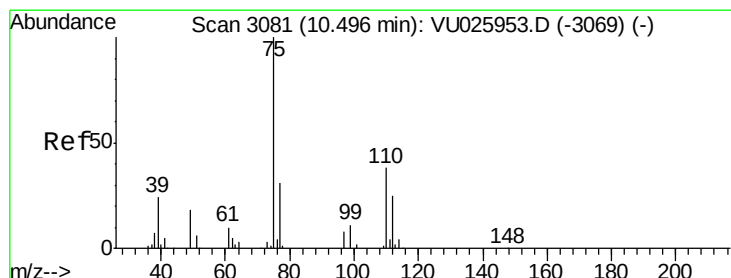
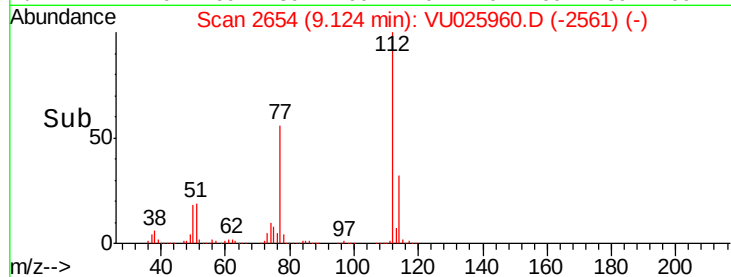
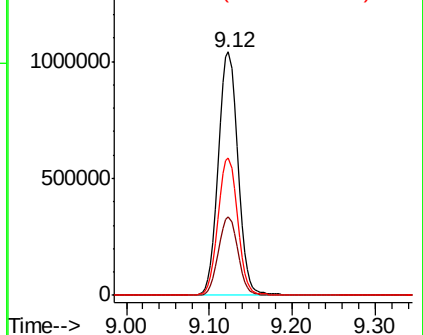
#51
Chlorobenzene
Concen: 287.688 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025960.D
Acq: 08 Aug 2018 00:31

Instrument :
MSVOA_U
ClientSampleId :
A4ZD0

Tgt Ion: 112 Resp: 1700322
Ion Ratio Lower Upper
112 100
114 32.3 22.9 42.5
77 56.3 46.6 70.0

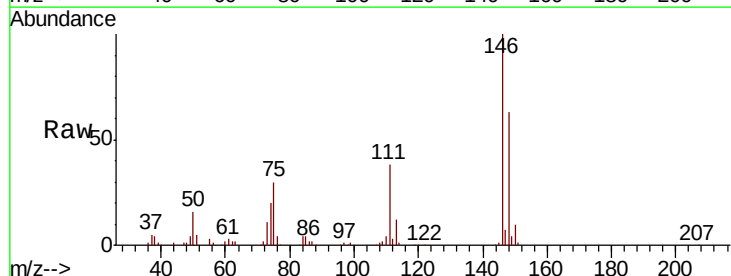


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

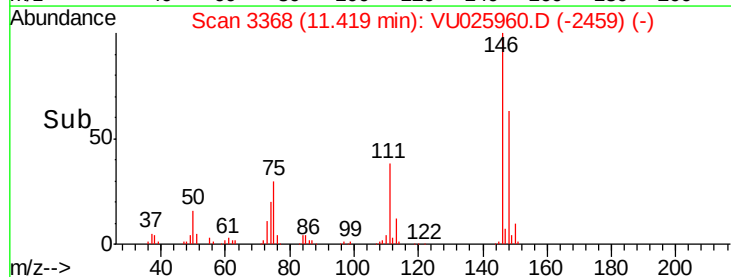
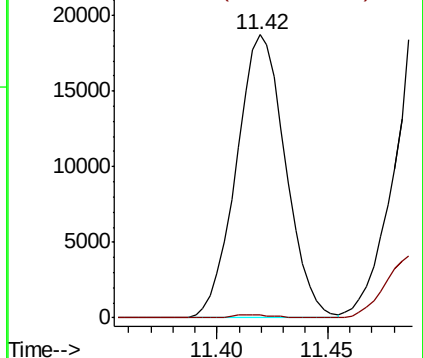


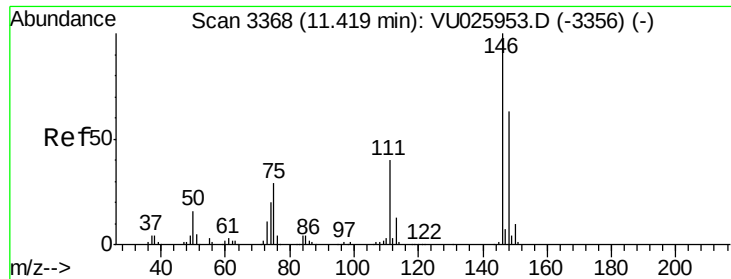
#59
1,2,3-Trichloropropane
Concen: 10.765 ug/L
RT: 11.42 min Scan# 3368
Delta R.T. 0.92 min
Lab File: VU025960.D
Acq: 08 Aug 2018 00:31

Tgt Ion: 75 Resp: 28952
Ion Ratio Lower Upper
75 100
77 0.8 25.5 38.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

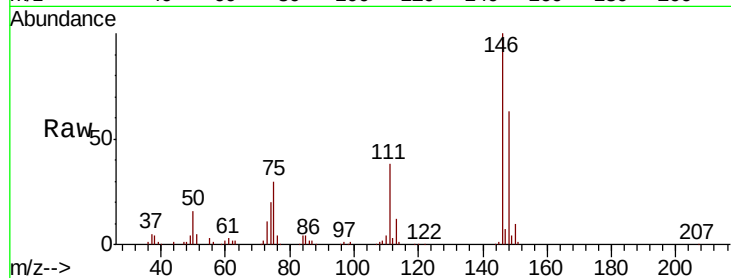




#62
 1,3-Dichlorobenzene
 Concen: 21.578 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025960.D
 Acq: 08 Aug 2018 00:31

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZD0

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	27.5	51.1
148	63.0	44.6	82.8

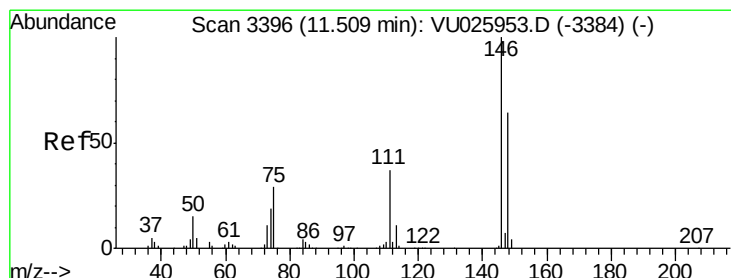
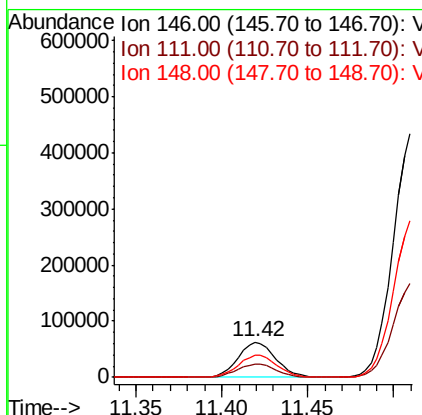
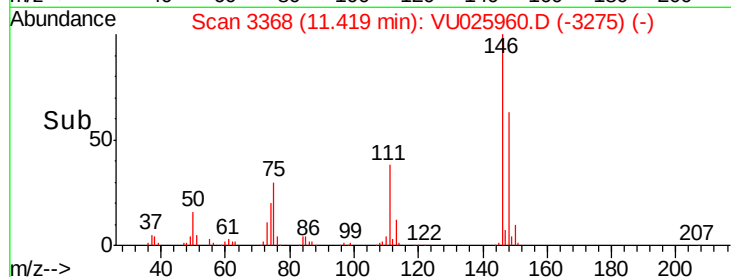


Abundance

Ion 146.00 (145.70 to 146.70): V

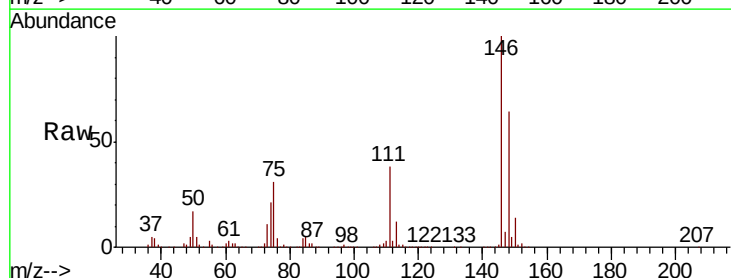
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63
 1,4-Dichlorobenzene
 Concen: 150.894 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025960.D
 Acq: 08 Aug 2018 00:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	26.7	49.7
148	64.2	45.2	84.0

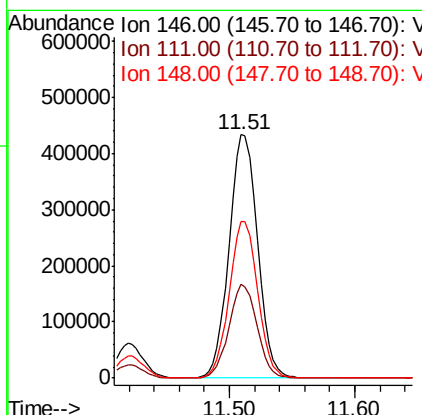
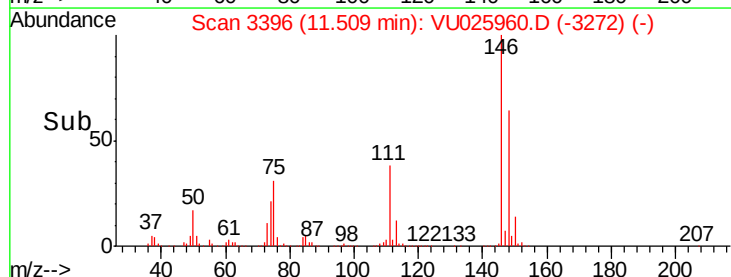


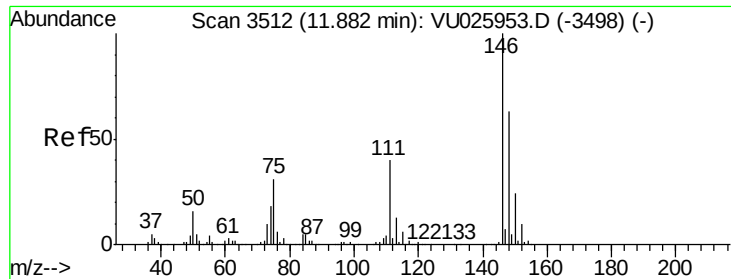
Abundance

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

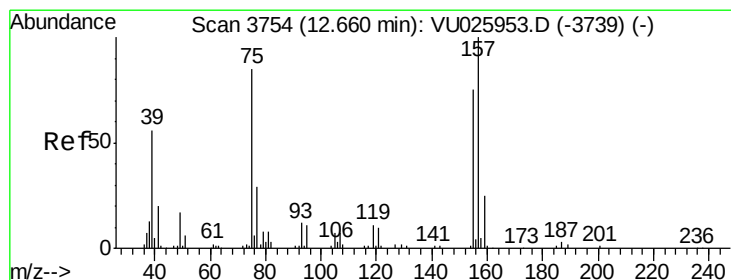
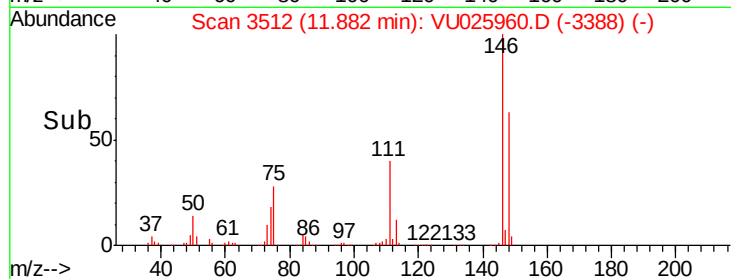
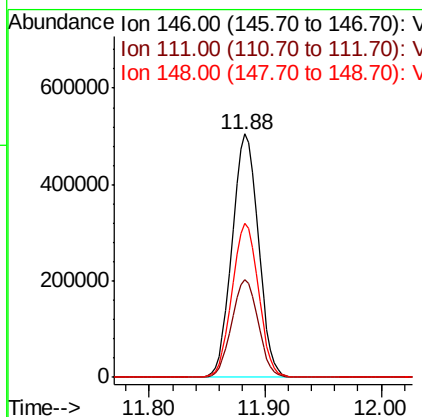
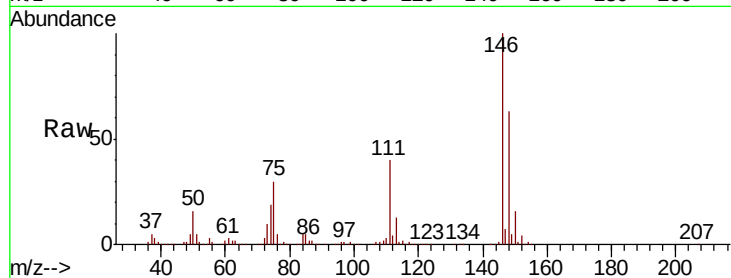




#65
 1,2-Dichlorobenzene
 Concen: 176.524 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025960.D
 Acq: 08 Aug 2018 00:31

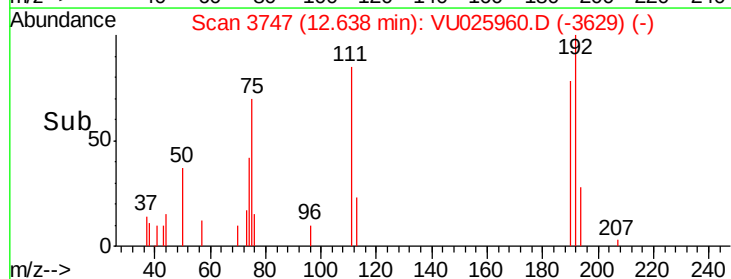
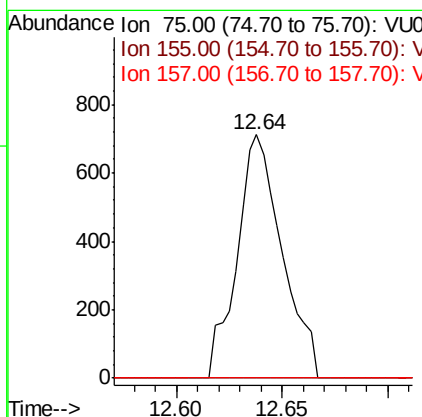
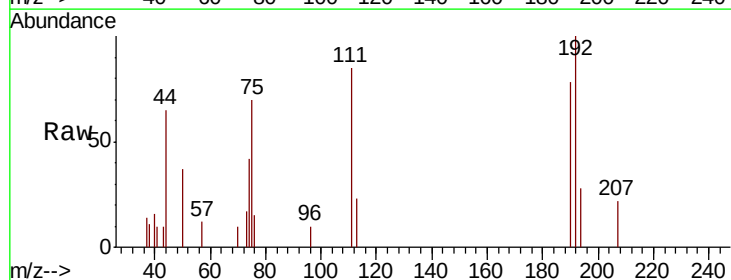
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZD0

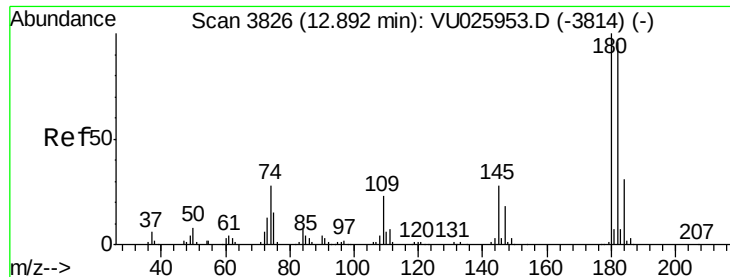
Tgt Ion: 146 Resp: 788851
 Ion Ratio Lower Upper
 146 100
 111 40.1 33.4 50.0
 148 63.1 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.549 ug/L
 RT: 12.64 min Scan# 3747
 Delta R.T. -0.02 min
 Lab File: VU025960.D
 Acq: 08 Aug 2018 00:31

Tgt Ion: 75 Resp: 1052
 Ion Ratio Lower Upper
 75 100
 155 0.0 71.4 107.2#
 157 0.0 92.0 138.0#

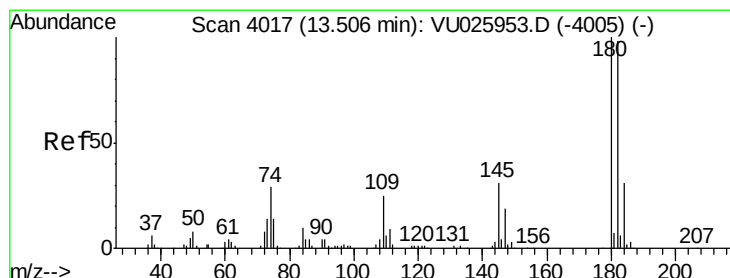
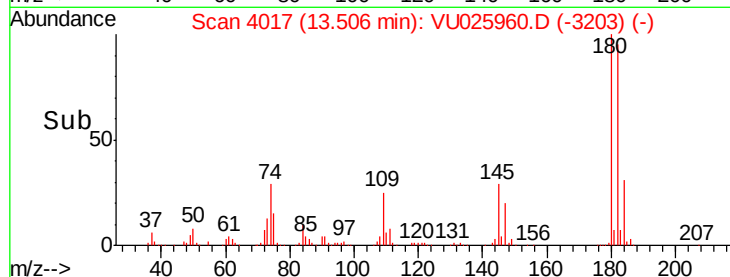
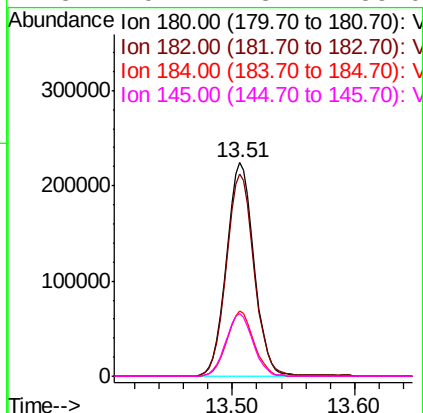
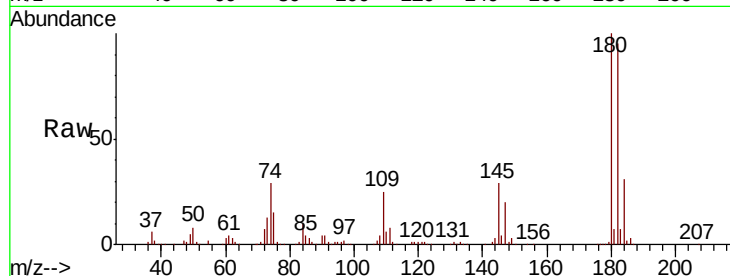




#67
 1,3,5-Trichlorobenzene
 Concen: 108.262 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.62 min
 Lab File: VU025960.D
 Acq: 08 Aug 2018 00:31

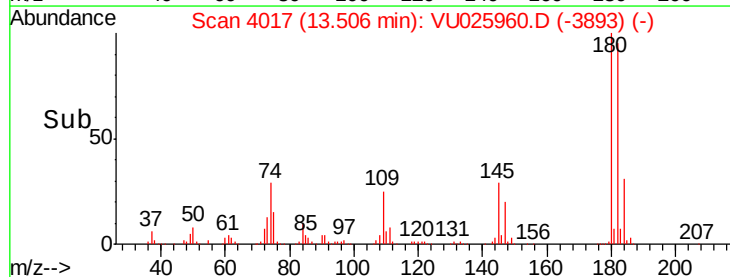
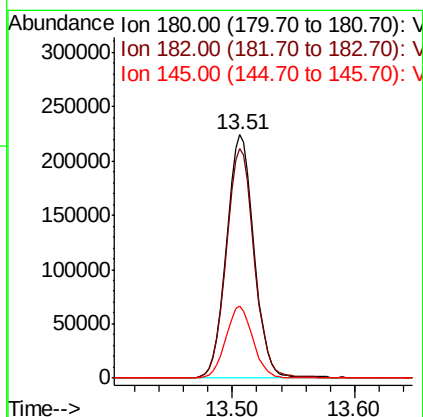
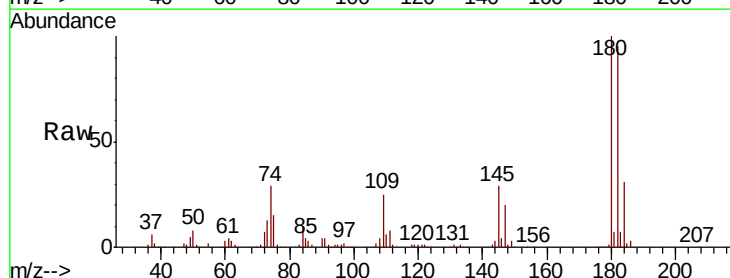
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZD0

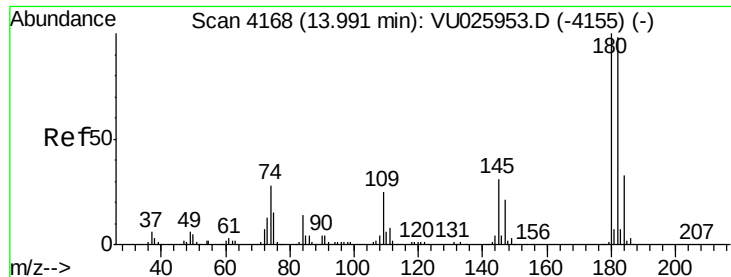
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.8	116.6
184	29.9	24.6	37.0
145	29.1	23.4	35.0



#68
 1,2,4-trichlorobenzene
 Concen: 124.742 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025960.D
 Acq: 08 Aug 2018 00:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.3	112.9
145	29.1	23.1	34.7

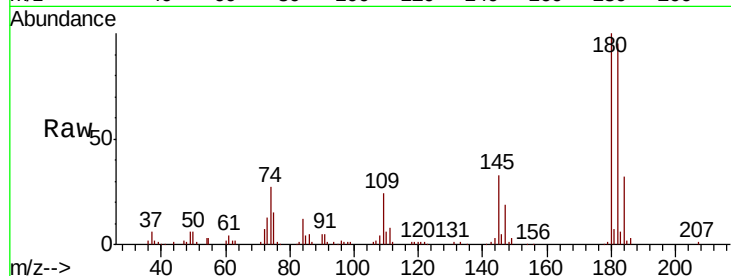




#70
 1,2,3-Trichlorobenzene
 Concen: 27.992 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU025960.D
 Acq: 08 Aug 2018 00:31

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZD0

Tgt Ion:180 Resp: 81742
 Ion Ratio Lower Upper
 180 100
 182 96.9 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

