

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
 Data File : VU026019.D
 Acq On : 10 Aug 2018 00:54
 Operator : MD/SY
 Sample : J4401-03 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZE1

Quant Time: Aug 10 08:12:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 10 07:39:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	289197	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	270047	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	125494	50.00	ug/L	0.00

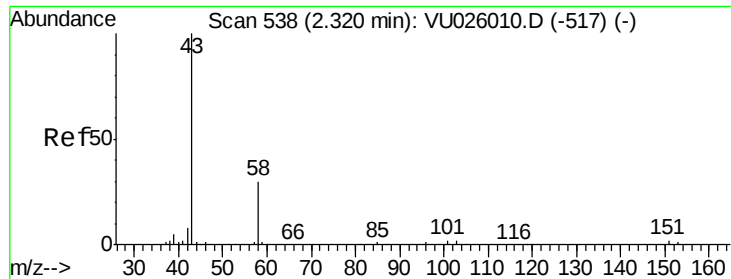
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	77087	36.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.94%
7) Chloroethane-d5	1.68	69	68596	40.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.86%
11) 1,1-Dichloroethene-d2	2.27	63	115210	28.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.36%#
21) 2-Butanone-d5	4.18	46	153108	86.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.90%
24) Chloroform-d	4.65	84	189857	42.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.70%
26) 1,2-Dichloroethane-d4	5.31	65	133733	44.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.32%
32) Benzene-d6	5.35	84	359492	42.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.74%
36) 1,2-Dichloropropane-d6	6.33	67	120914	44.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.12%
41) Toluene-d8	7.57	98	327536	40.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.66%
43) trans-1,3-Dichloropropene-	7.85	79	54560	39.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.82%
47) 2-Hexanone-d5	8.31	63	110815	89.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.92%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	171238	43.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.32%
64) 1,2-Dichlorobenzene-d4	11.86	152	138893	44.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	65472	59.82	ug/L	98
22) 2-Butanone	4.27	43	8818	5.57	ug/L	98
51) Chlorobenzene	9.12	112	121370	22.05	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	28890	7.39	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	164476	40.16	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	194069	46.67	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	396112	160.42	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	93642	35.28	ug/L	99

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



#13

Acetone

Concen: 59.82 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU026019.D

Acq: 10 Aug 2018 00:54

Instrument :

MSVOA_U

ClientSampleId :

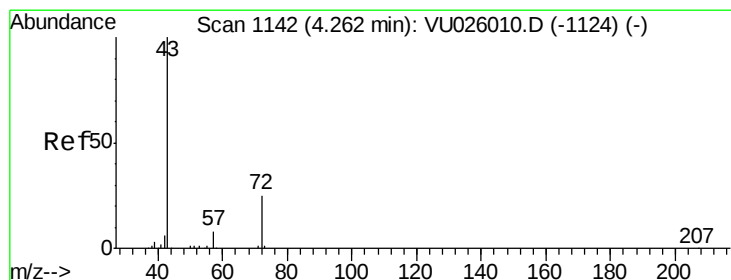
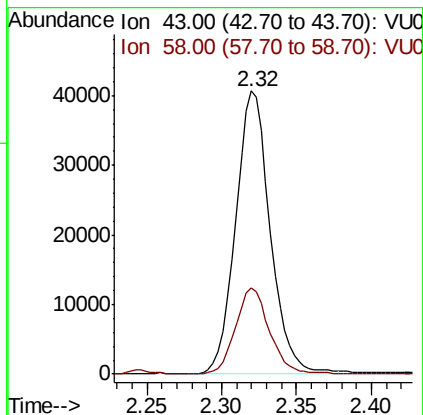
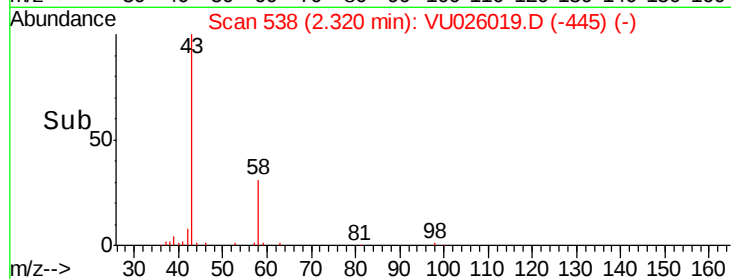
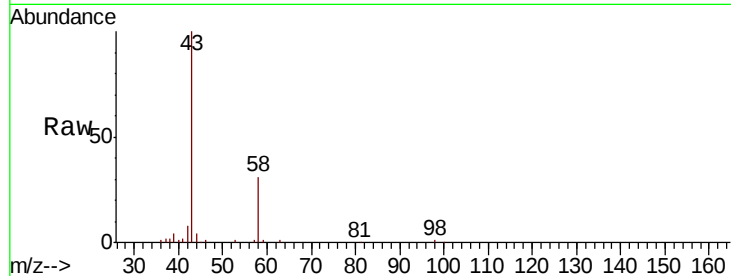
A4ZE1

Tot Ion: 43 Resp: 65472

Ion Ratio Lower Upper

43 100

58 30.0 0.0 61.8



#22

2-Butanone

Concen: 5.57 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VU026019.D

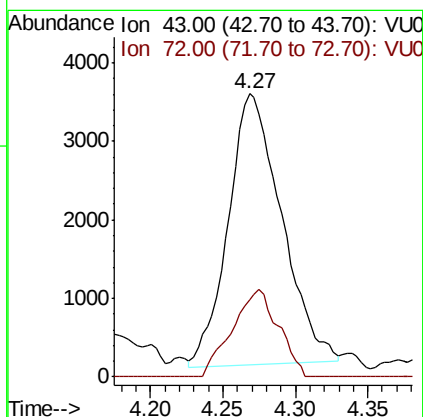
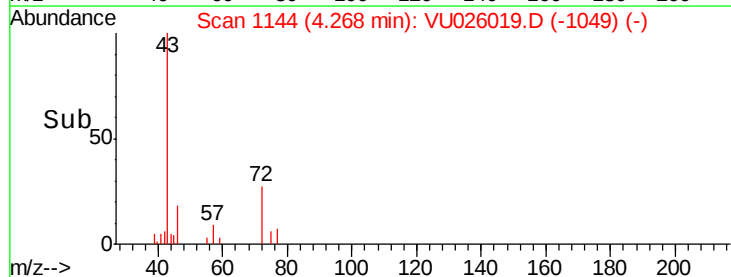
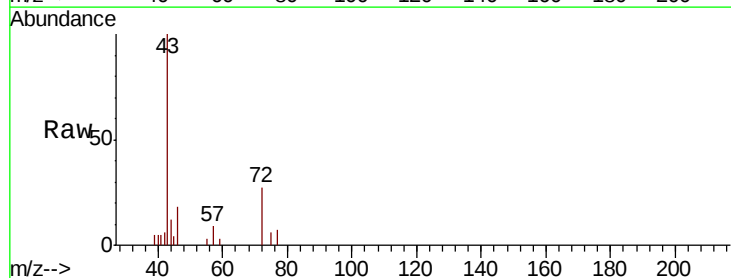
Acq: 10 Aug 2018 00:54

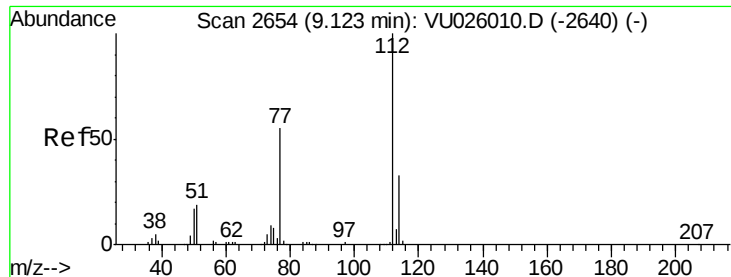
Tgt Ion: 43 Resp: 8818

Ion Ratio Lower Upper

43 100

72 27.8 13.5 40.5

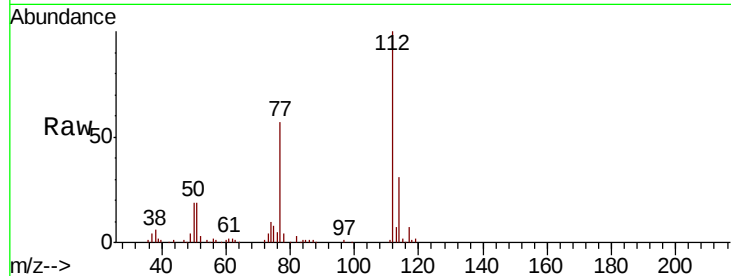




#51
Chlorobenzene
Concen: 22.05 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU026019.D
Acq: 10 Aug 2018 00:54

Instrument :
MSVOA_U
ClientSampleId :
A4ZE1

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.7	42.3
77	56.8	45.2	67.8

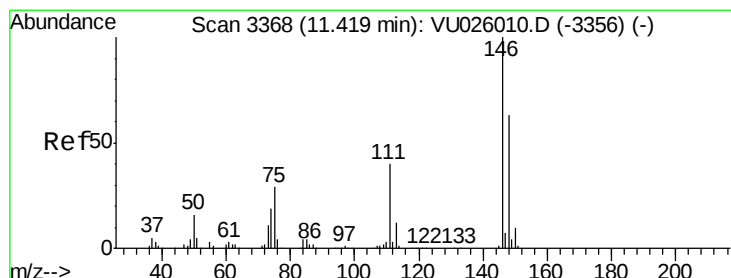
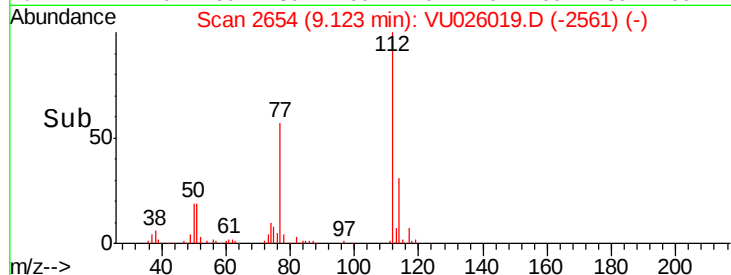
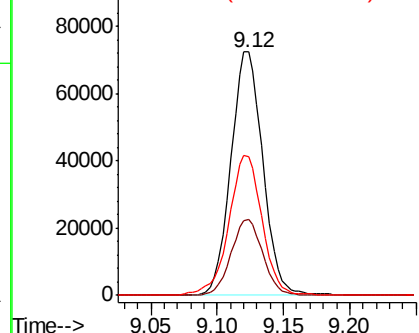


Abundance

Ion 112.00 (111.70 to 112.70): V

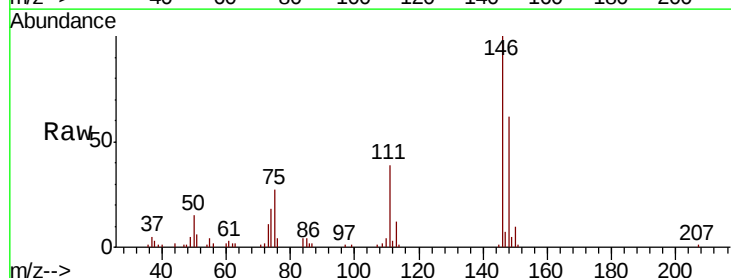
Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#62
1,3-Dichlorobenzene
Concen: 7.39 ug/L
RT: 11.42 min Scan# 3368
Delta R.T. -0.00 min
Lab File: VU026019.D
Acq: 10 Aug 2018 00:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	27.9	51.9
148	62.2	46.0	85.4

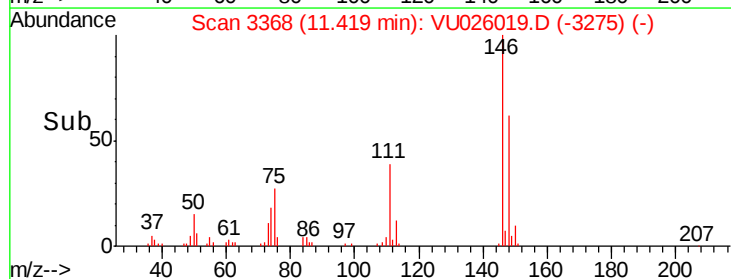
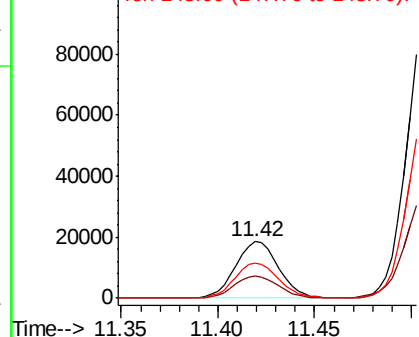


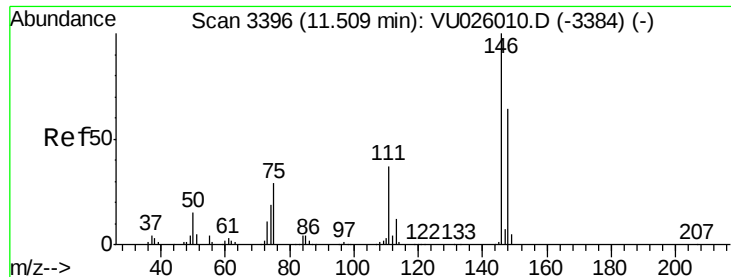
Abundance

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

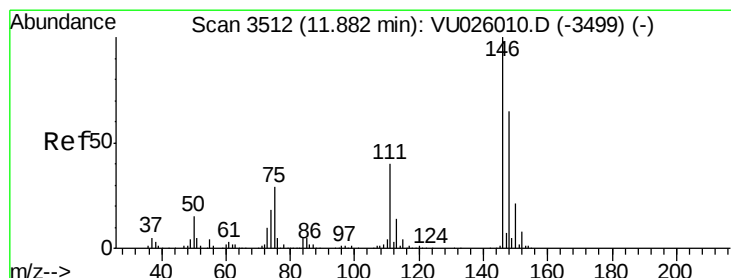
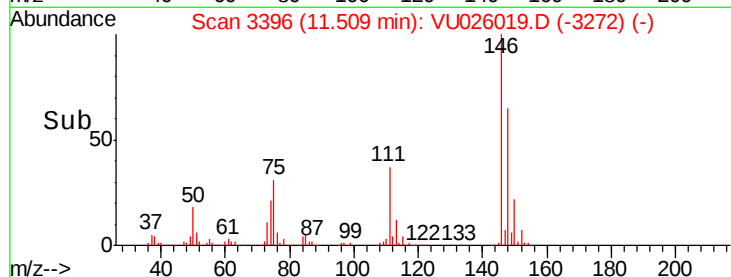
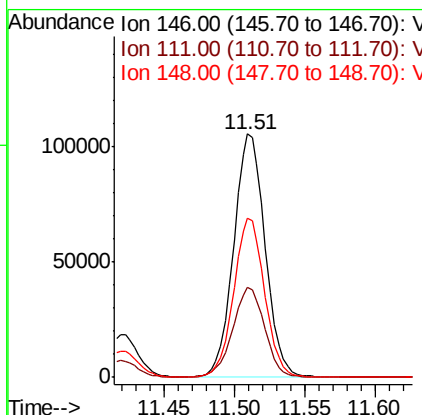
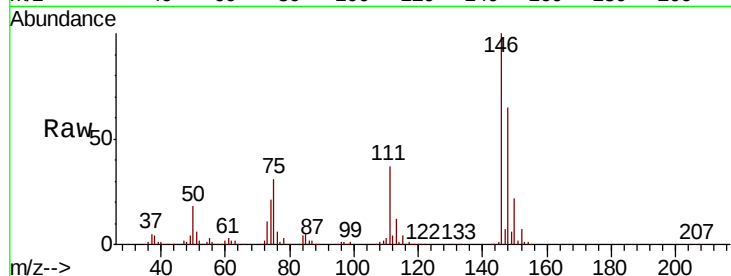




#63
 1,4-Dichlorobenzene
 Concen: 40.16 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU026019.D
 Acq: 10 Aug 2018 00:54

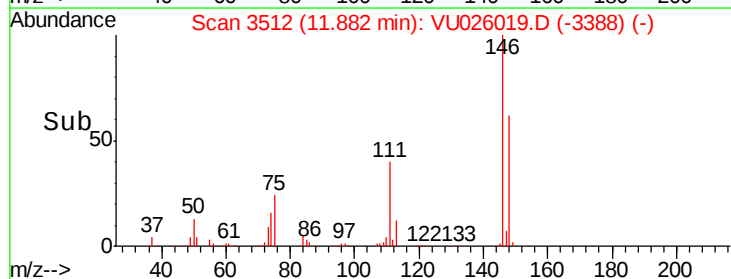
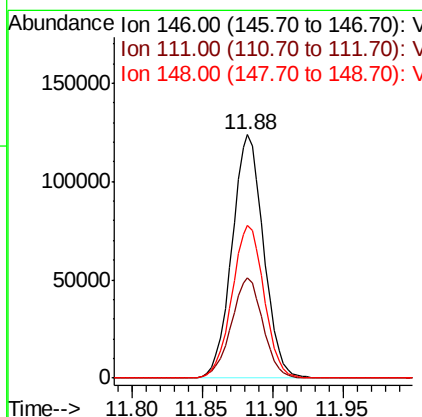
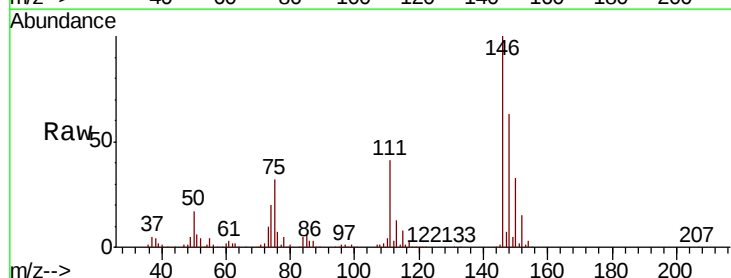
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZE1

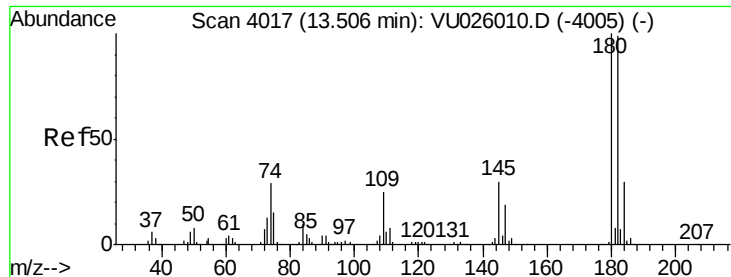
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	26.4	49.0
148	65.3	43.8	81.4



#65
 1,2-Dichlorobenzene
 Concen: 46.67 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU026019.D
 Acq: 10 Aug 2018 00:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	32.4	48.6
148	62.5	50.1	75.1





#68

1,2,4-trichlorobenzene

Concen: 160.42 ug/L

RT: 13.51 min Scan# 4017

Delta R.T. -0.00 min

Lab File: VU026019.D

Acq: 10 Aug 2018 00:54

Instrument :

MSVOA_U

ClientSampleId :

A4ZE1

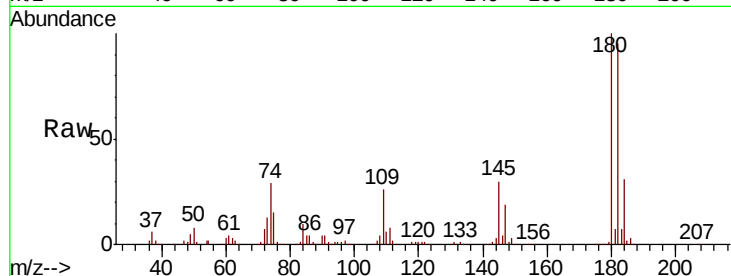
Tot Ion:180 Resp: 396112

Ion Ratio Lower Upper

180 100

182 95.8 76.5 114.7

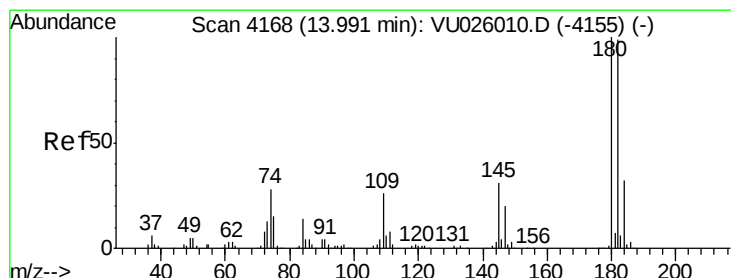
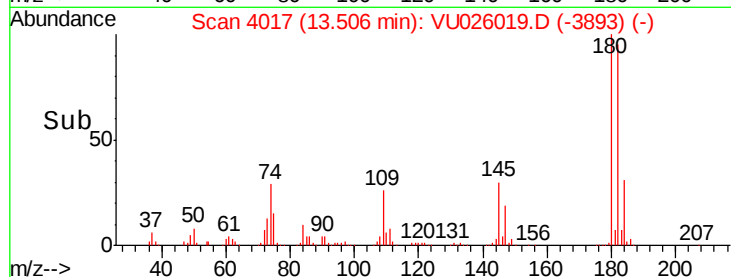
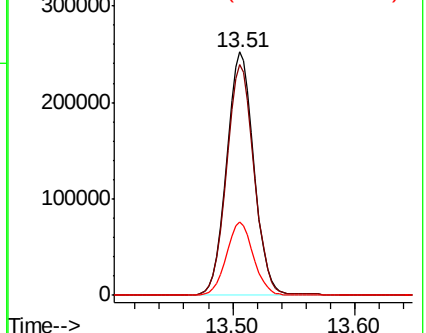
145 29.8 24.2 36.4



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: 35.28 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. -0.00 min

Lab File: VU026019.D

Acq: 10 Aug 2018 00:54

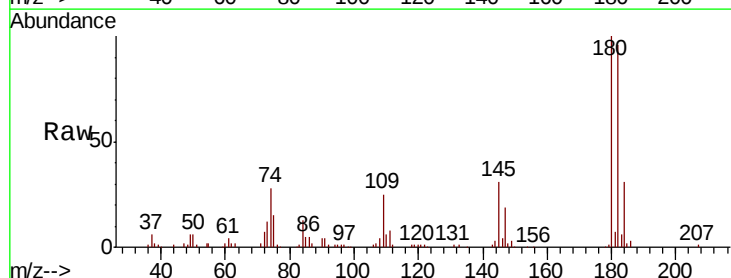
Tgt Ion:180 Resp: 93642

Ion Ratio Lower Upper

180 100

182 94.0 76.5 114.7

145 31.1 24.7 37.1



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

