

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 :

Quant Time: Aug 10 07:42:59 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

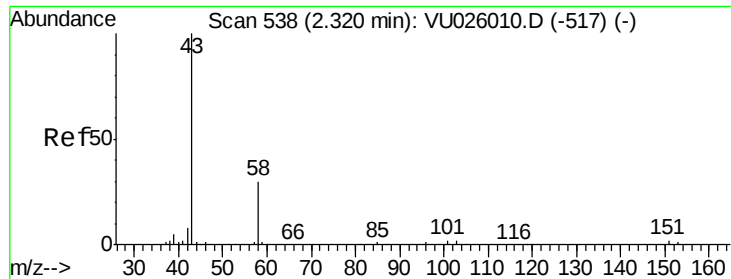
System Monitoring Compounds

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	59.820	ug/L	98
22) 2-Butanone	4.27	43	8818	5.568	ug/L	98
37) 1,2-Dichloropropane	6.33	63	13778	6.547	ug/L #	88
51) Chlorobenzene	9.12	112	121370	22.049	ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	8386	3.090	ug/L #	62
62) 1,3-Dichlorobenzene	11.42	146	28890	7.395	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	164476	40.160	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	194069	46.667	ug/L	100
67) 1,3,5-Trichlorobenzene	13.51	180	396112	135.658	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	396112	160.419	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	93642	35.284	ug/L	99

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



#13

Acetone

Concen: 59.820 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU026019.D

Acq: 10 Aug 2018 00:54

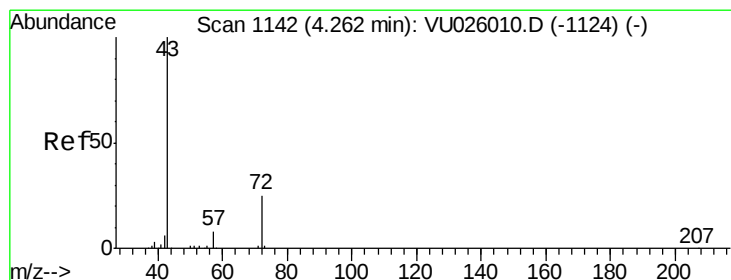
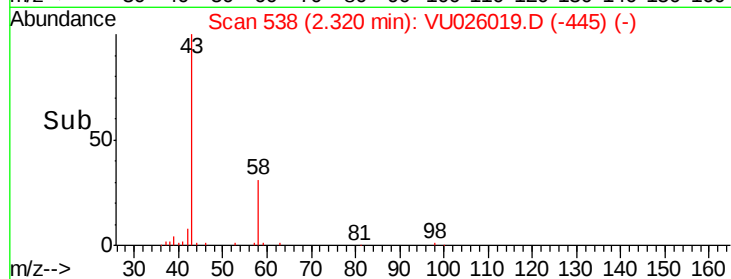
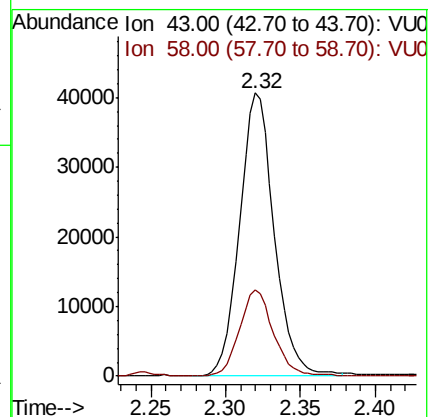
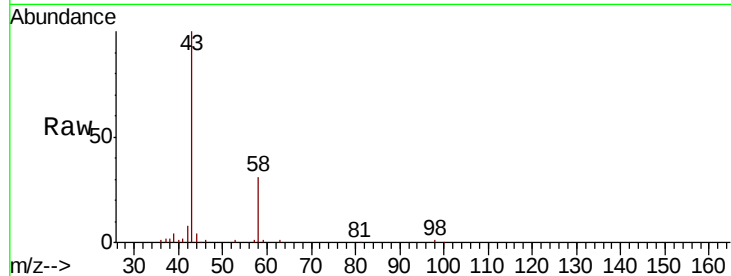
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 65472

Ion Ratio Lower Upper

43 100

58 30.0 0.0 61.8



#22

2-Butanone

Concen: 5.568 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VU026019.D

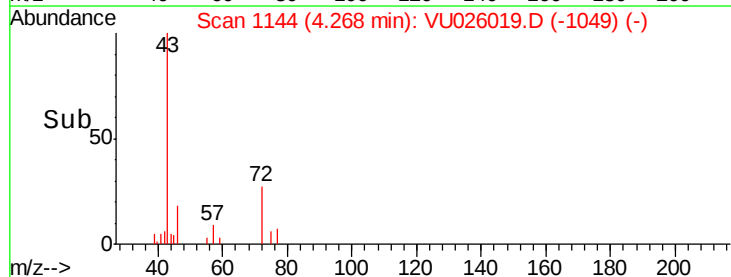
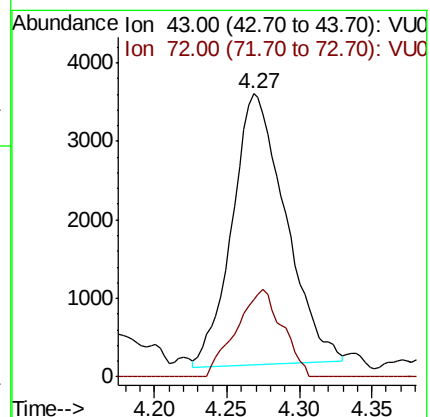
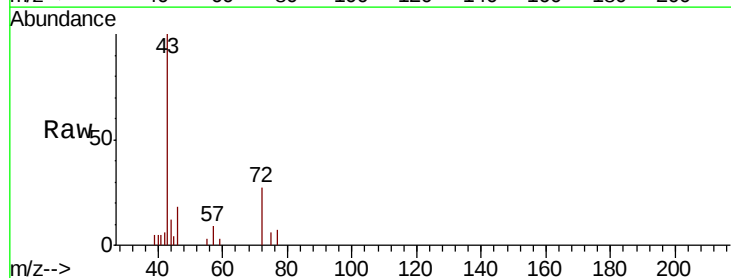
Acq: 10 Aug 2018 00:54

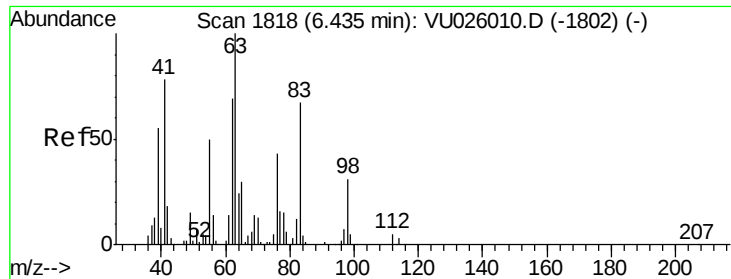
Tgt Ion: 43 Resp: 8818

Ion Ratio Lower Upper

43 100

72 27.8 13.5 40.5





#37

1,2-Dichloropropane

Concen: 6.547 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.10 min

Lab File: VU026019.D

Acq: 10 Aug 2018 00:54

Instrument :

MSVOA_U

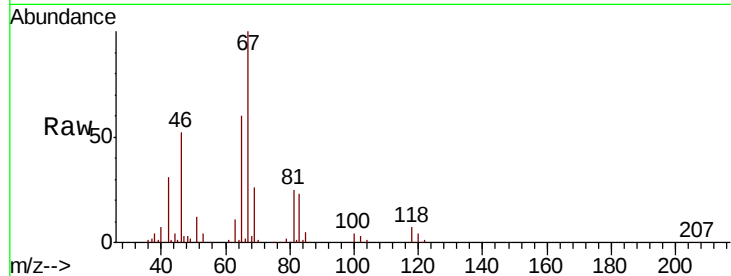
ClientSampleId :

Tot Ion: 63 Resp: 13778

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

8000

6000

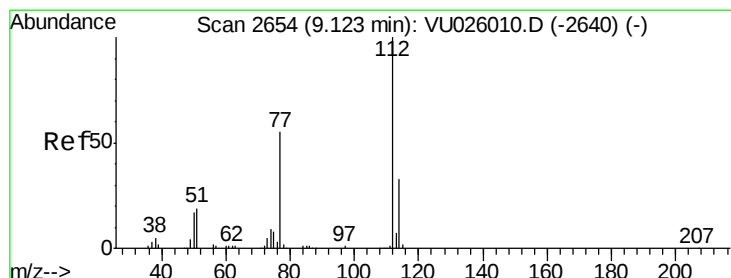
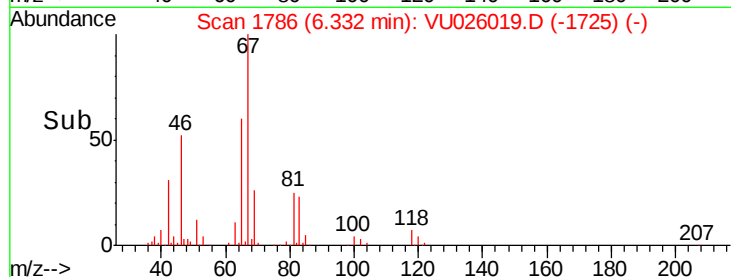
4000

2000

0

6.30 6.35 6.40

Time-->



#51

Chlorobenzene

Concen: 22.049 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU026019.D

Acq: 10 Aug 2018 00:54

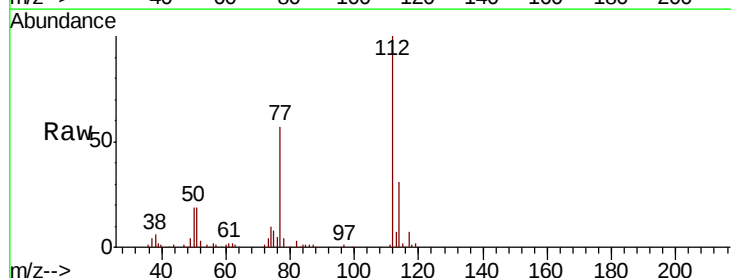
Tgt Ion: 112 Resp: 121370

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): VU0

100000

80000

60000

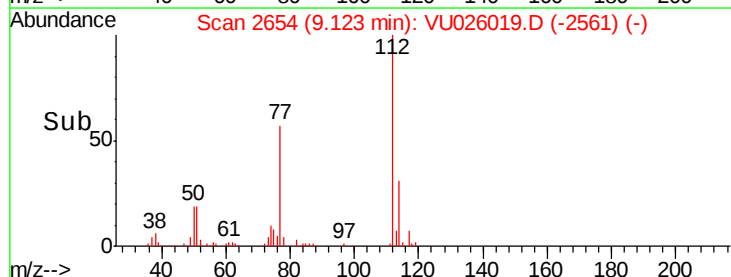
40000

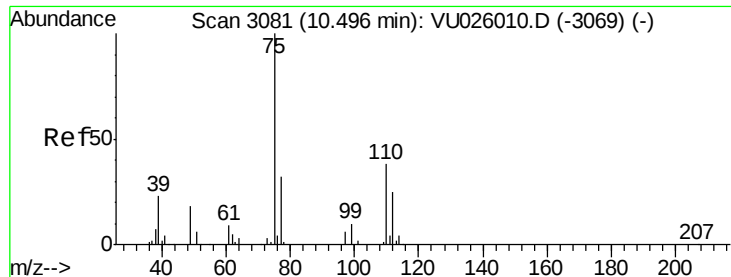
20000

0

9.05 9.10 9.15 9.20

Time-->





#59

1,2,3-Trichloropropane

Concen: 3.090 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.92 min

Lab File: VU026019.D

Acq: 10 Aug 2018 00:54

Instrument :

MSVOA_U

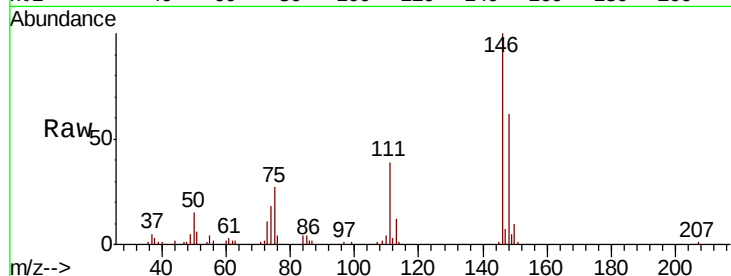
ClientSampled :

Tot Ion: 75 Resp: 8386

Ion Ratio Lower Upper

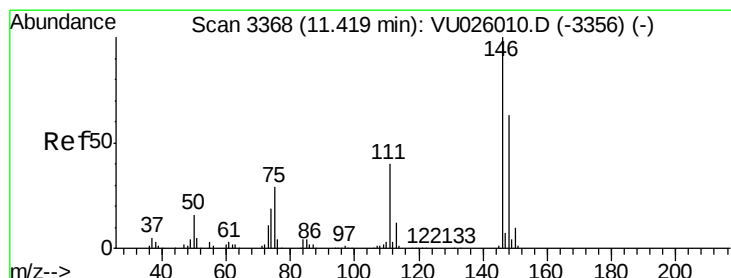
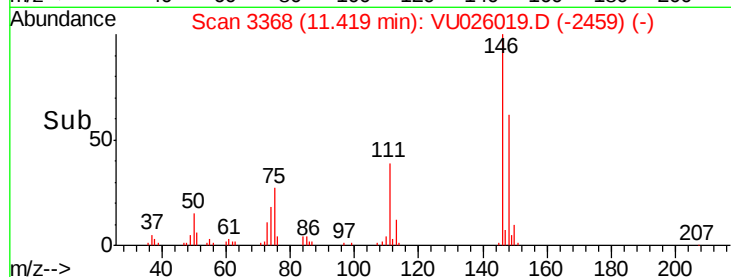
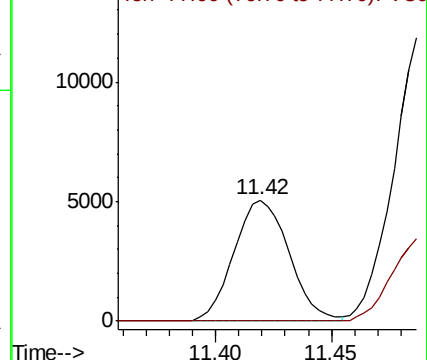
75 100

77 10.4 25.3 37.9#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#62

1,3-Dichlorobenzene

Concen: 7.395 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026019.D

Acq: 10 Aug 2018 00:54

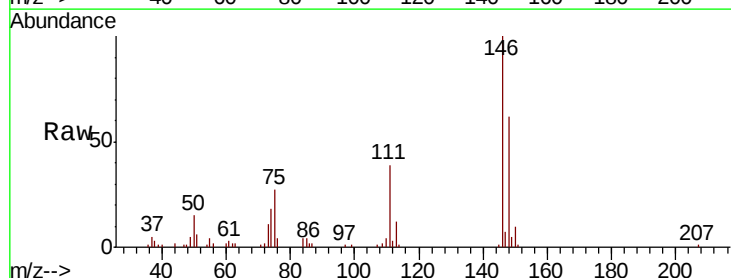
Tgt Ion: 146 Resp: 28890

Ion Ratio Lower Upper

146 100

111 38.9 27.9 51.9

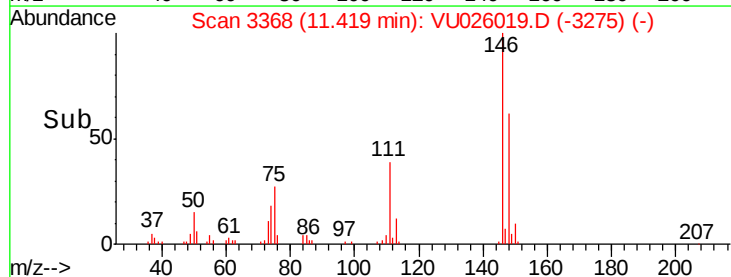
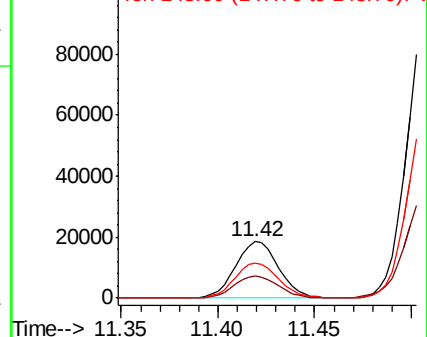
148 62.2 46.0 85.4

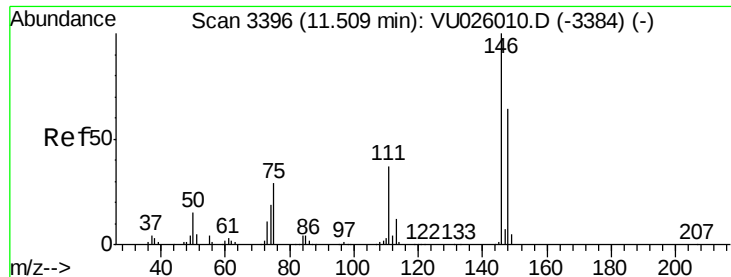


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

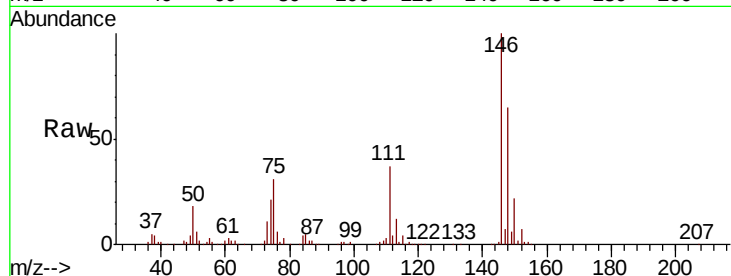




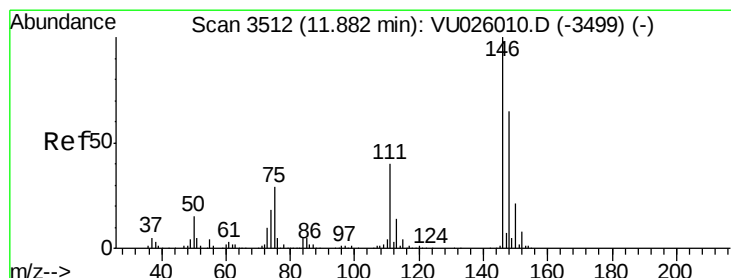
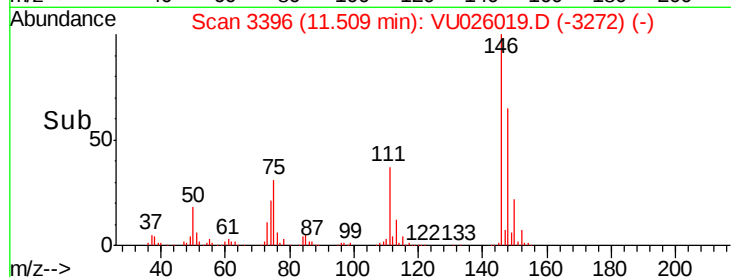
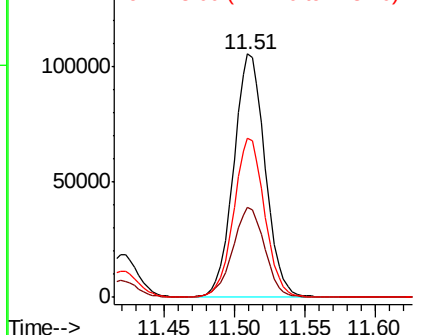
#63
 1,4-Dichlorobenzene
 Concen: 40.160 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU026019.D
 Acq: 10 Aug 2018 00:54

Instrument :
 MSVOA_U
 ClientSampleId :

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

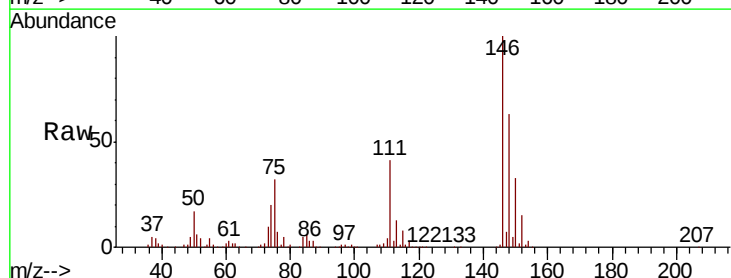


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

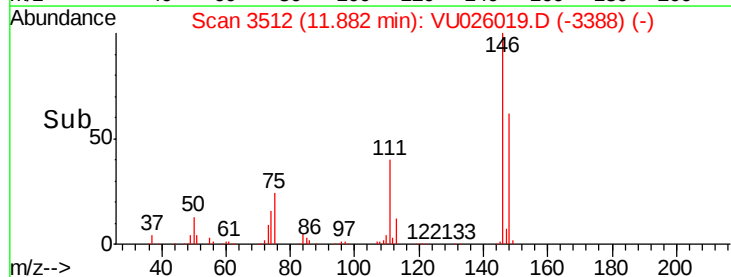
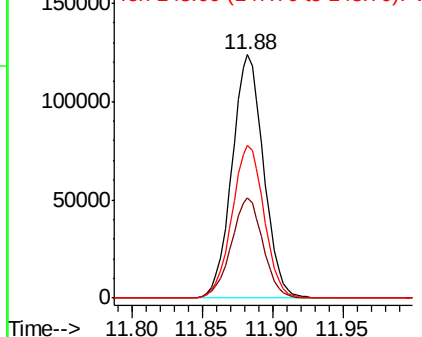


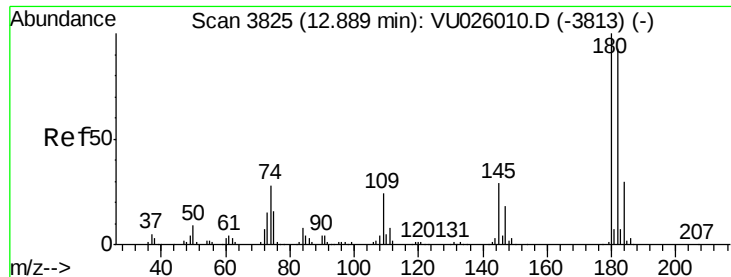
#65
 1,2-Dichlorobenzene
 Concen: 46.667 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU026019.D
 Acq: 10 Aug 2018 00:54

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



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

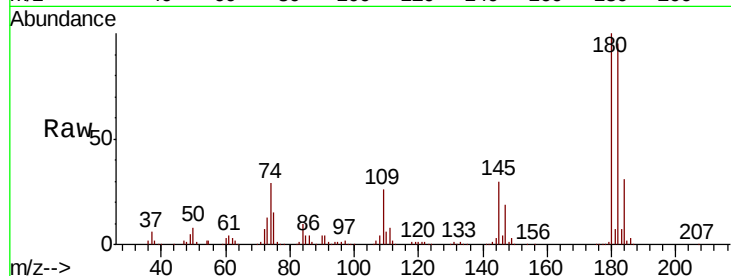




#67
 1,3,5-Trichlorobenzene
 Concen: 135.658 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.62 min
 Lab File: VU026019.D
 Acq: 10 Aug 2018 00:54

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.5	114.7
184	30.9	24.3	36.5
145	29.8	23.5	35.3



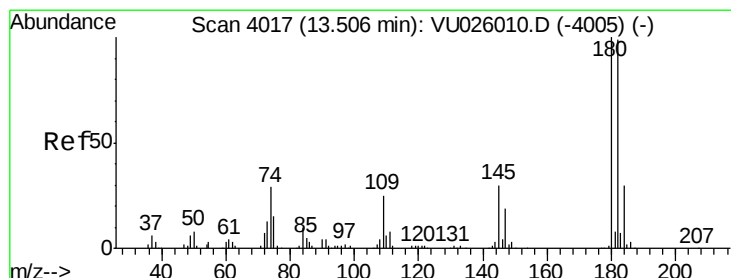
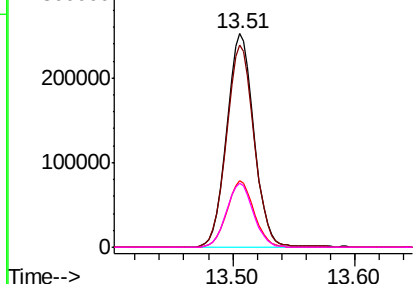
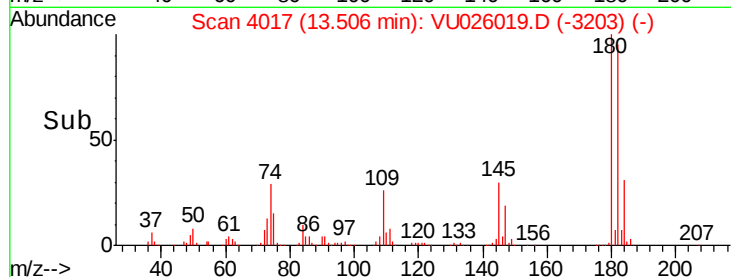
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

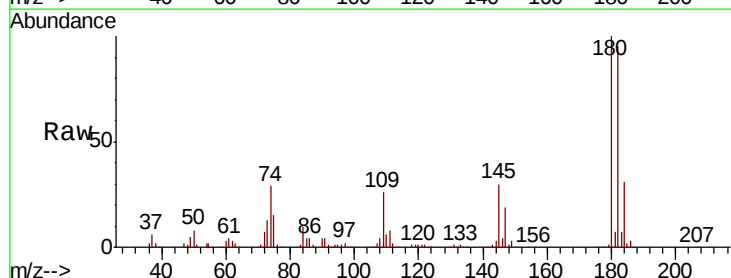
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 160.419 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU026019.D
 Acq: 10 Aug 2018 00:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.5	114.7
145	29.8	24.2	36.4

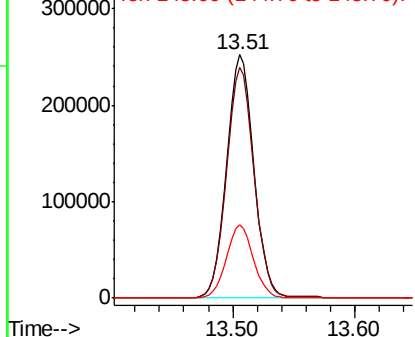
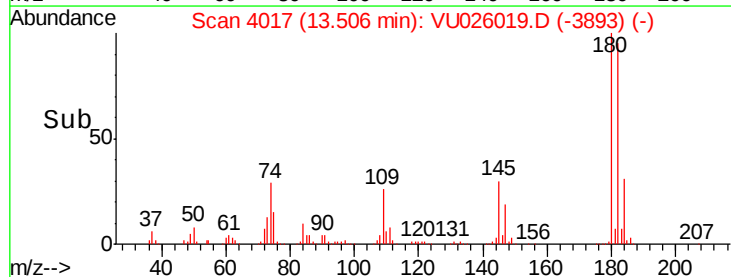


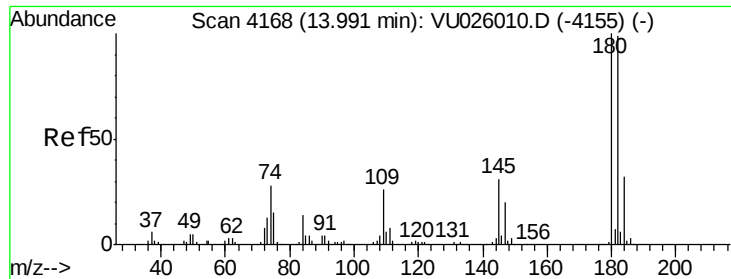
Abundance

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

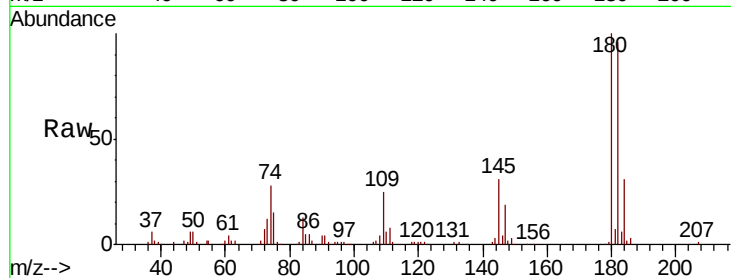




#70
 1,2,3-Trichlorobenzene
 Concen: 35.284 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. -0.00 min
 Lab File: VU026019.D
 Acq: 10 Aug 2018 00:54

Instrument :
 MSVOA_U
 ClientSampleId :

Tot 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

