

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
 Data File : VU026024.D
 Acq On : 10 Aug 2018 02:55
 Operator : MD/SY
 Sample : J4401-08 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 10 07:43:39 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	300524	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	290042	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	155098	50.00	ug/L	0.00

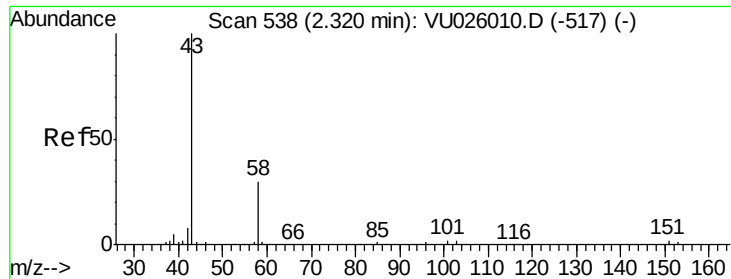
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	75406	34.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.66%
7) Chloroethane-d5	1.65	69	68313	39.22	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.44%
11) 1,1-Dichloroethene-d2	2.26	63	114439	27.42	ug/L	-0.01
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.84%#
21) 2-Butanone-d5	4.18	46	151662	82.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	82.84%
24) Chloroform-d	4.65	84	189741	40.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.46%
26) 1,2-Dichloroethane-d4	5.31	65	131702	41.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.70%
32) Benzene-d6	5.34	84	359155	39.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.76%
36) 1,2-Dichloropropane-d6	6.33	67	120299	41.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.56%
41) Toluene-d8	7.57	98	330051	38.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	76.60%#
43) trans-1,3-Dichloropropene-	7.85	79	55576	37.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.70%
47) 2-Hexanone-d5	8.31	63	115609	87.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.34%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	185259	43.47	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.94%
64) 1,2-Dichlorobenzene-d4	11.86	152	159009	41.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.18%

Target Compounds

					Ovalue
13) Acetone	2.32	43	21435	18.847	ug/L 98
35) Methylcyclohexane	6.33	83	28705	8.711	ug/L # 19
37) 1,2-Dichloropropane	6.33	63	13682	6.053	ug/L # 88
51) Chlorobenzene	9.12	112	839707	142.028	ug/L 99
59) 1,2,3-Trichloropropane	11.42	75	45400	15.573	ug/L # 45
62) 1,3-Dichlorobenzene	11.42	146	154963	32.093	ug/L 98
63) 1,4-Dichlorobenzene	11.51	146	707981	139.870	ug/L 99
65) 1,2-Dichlorobenzene	11.88	146	765992	149.038	ug/L 99
67) 1,3,5-Trichlorobenzene	13.51	180	972193	269.399	ug/L 100
68) 1,2,4-trichlorobenzene	13.51	180	972193	318.572	ug/L 100
70) 1,2,3-Trichlorobenzene	13.99	180	200391	61.095	ug/L 99

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



#13

Acetone

Concen: 18.847 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026024.D

Acq: 10 Aug 2018 02:55

Instrument :

MSVOA_U

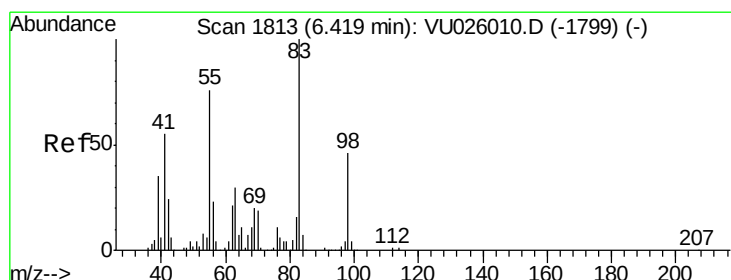
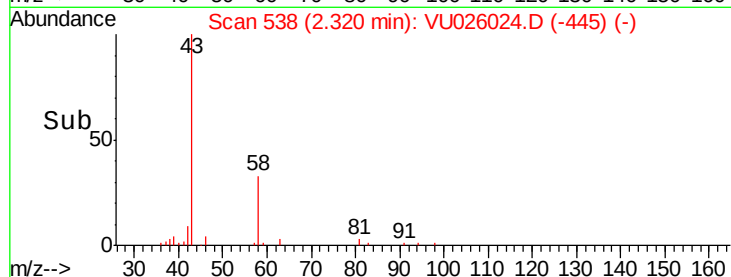
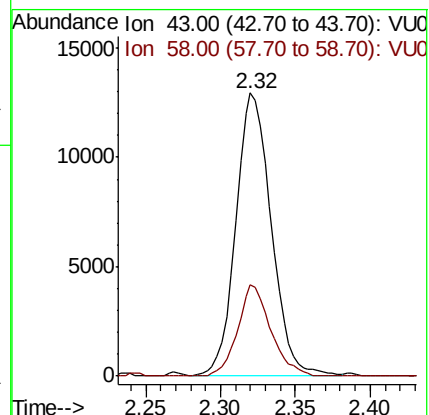
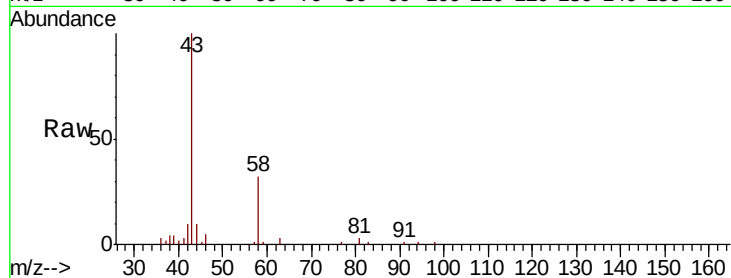
ClientSampled :

Tot Ion: 43 Resp: 21435

Ion Ratio Lower Upper

43 100

58 30.0 0.0 61.8



#35

Methylcyclohexane

Concen: 8.711 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.09 min

Lab File: VU026024.D

Acq: 10 Aug 2018 02:55

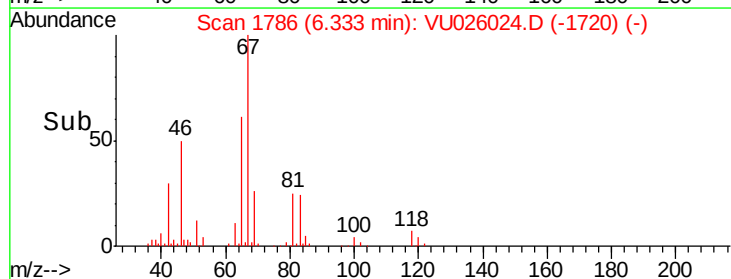
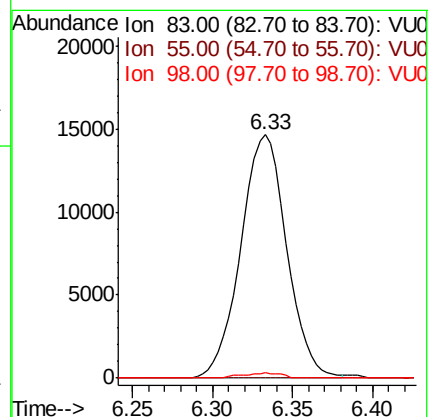
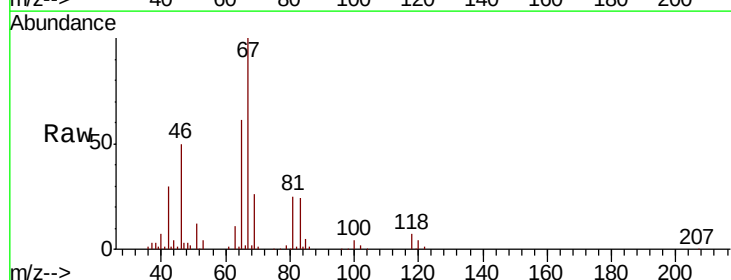
Tgt Ion: 83 Resp: 28705

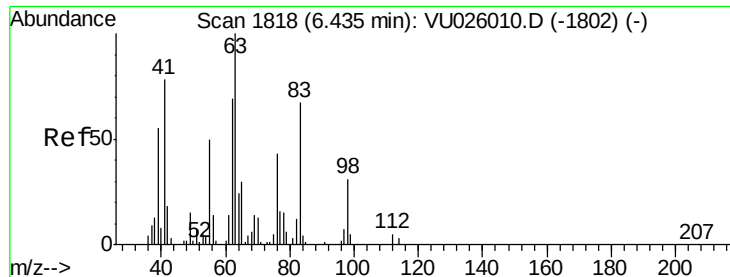
Ion Ratio Lower Upper

83 100

55 0.0 61.0 91.6#

98 1.7 38.1 57.1#

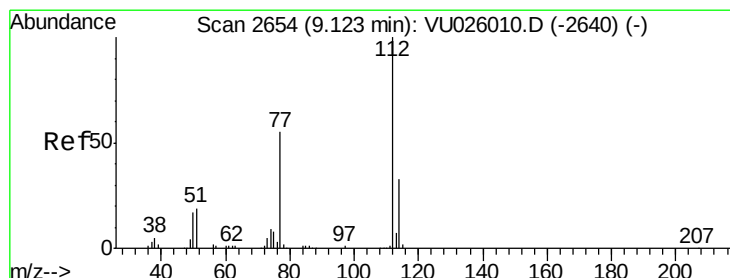
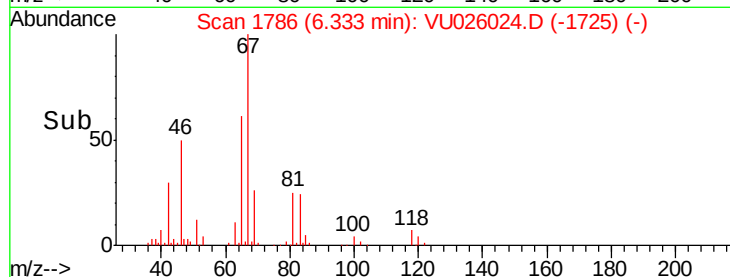
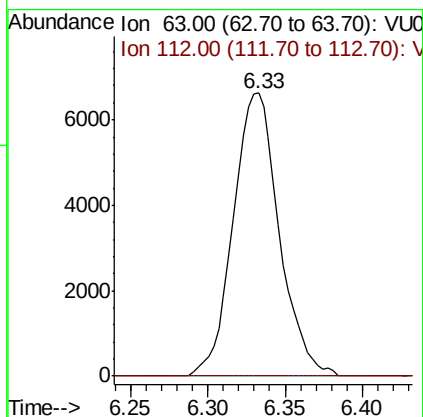
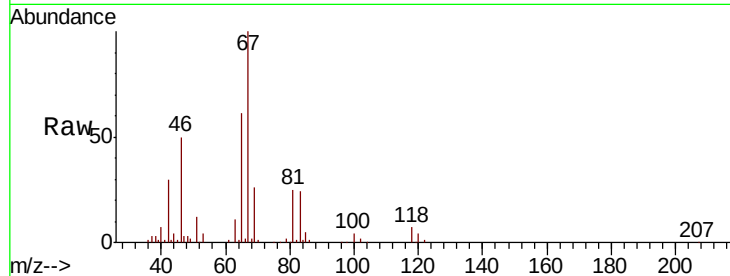




#37
 1,2-Dichloropropane
 Concen: 6.053 ug/L
 RT: 6.33 min Scan# 1786
 Delta R.T. -0.10 min
 Lab File: VU026024.D
 Acq: 10 Aug 2018 02:55

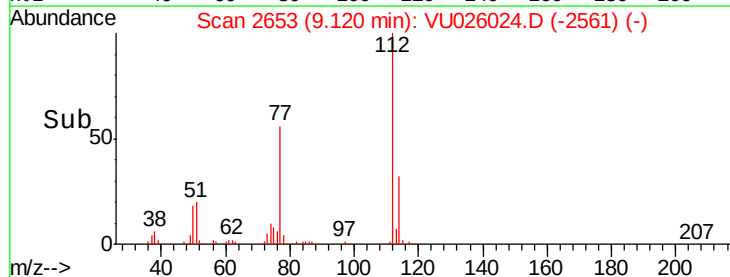
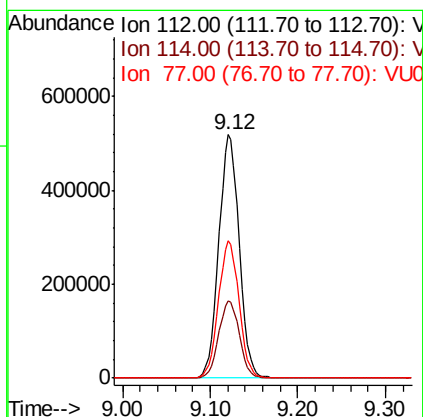
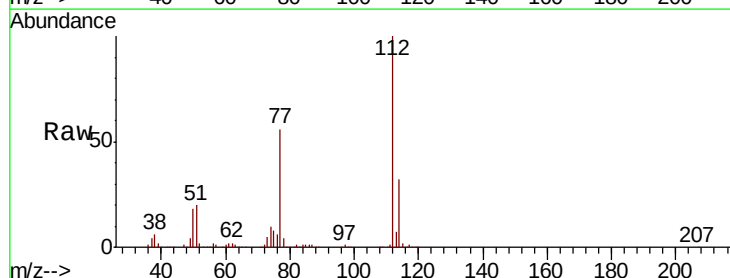
Instrument :
 MSVOA_U
 ClientSampleId :

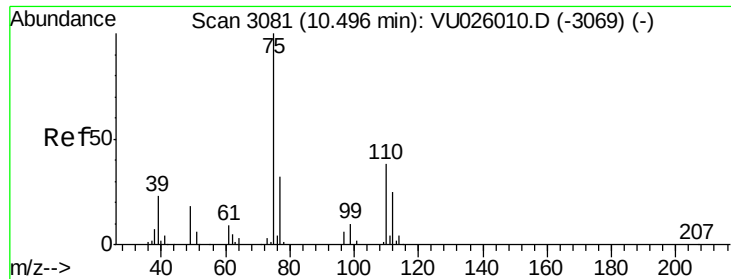
Tot Ion: 63 Resp: 13682
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#51
 Chlorobenzene
 Concen: 142.028 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VU026024.D
 Acq: 10 Aug 2018 02:55

Tgt Ion: 112 Resp: 839707
 Ion Ratio Lower Upper
 112 100
 114 31.6 22.7 42.3
 77 56.4 45.2 67.8





#59

1,2,3-Trichloropropane

Concen: 15.573 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.92 min

Lab File: VU026024.D

Acq: 10 Aug 2018 02:55

Instrument :

MSVOA_U

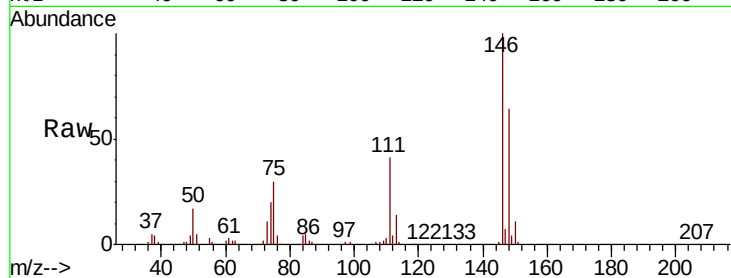
ClientSampleId :

Tot Ion: 75 Resp: 45400

Ion Ratio Lower Upper

75 100

77 0.9 25.3 37.9#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

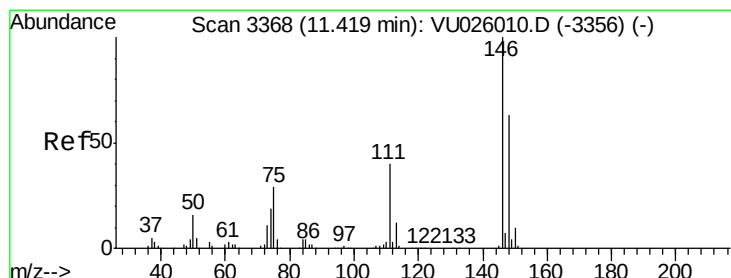
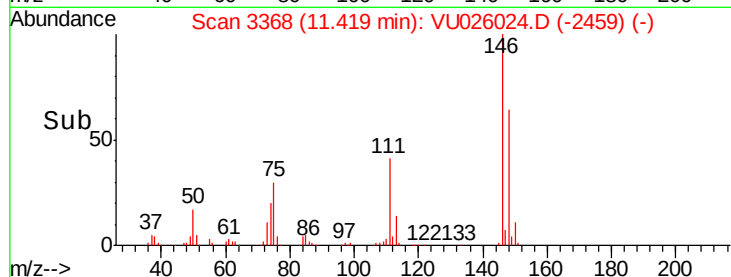
60000

40000

20000

0

Time--> 11.35 11.40 11.45



#62

1,3-Dichlorobenzene

Concen: 32.093 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026024.D

Acq: 10 Aug 2018 02:55

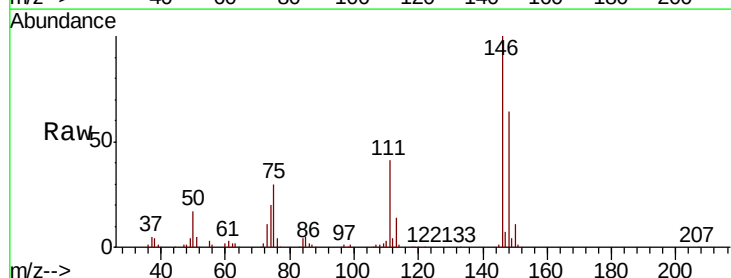
Tgt Ion: 146 Resp: 154963

Ion Ratio Lower Upper

146 100

111 41.0 27.9 51.9

148 64.5 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

600000

500000

400000

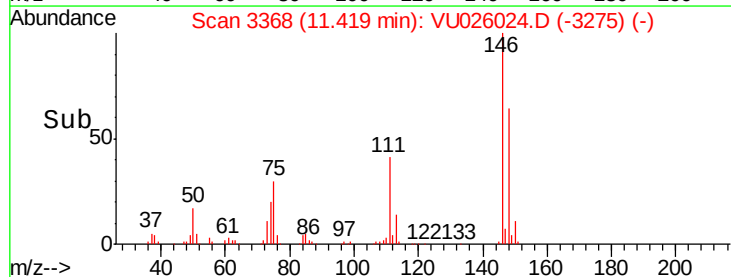
300000

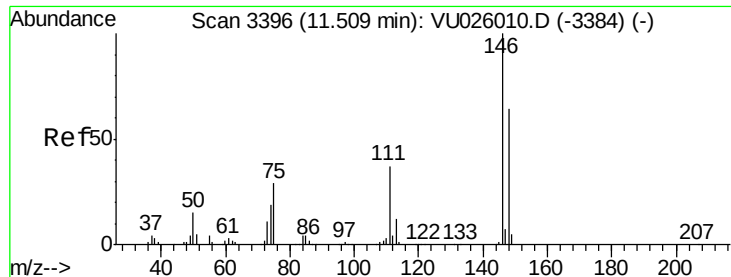
200000

100000

0

Time--> 11.35 11.40 11.45

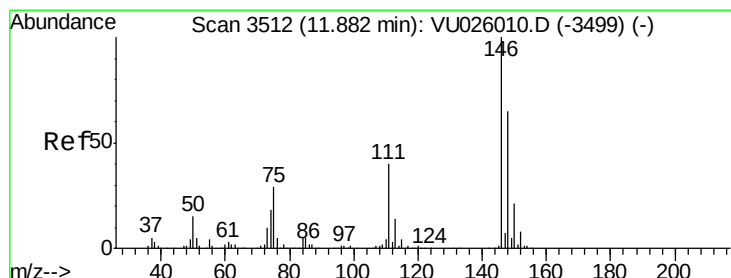
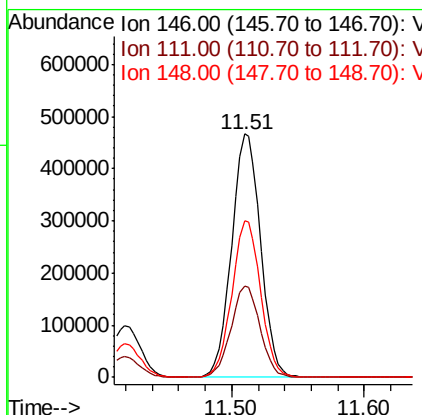
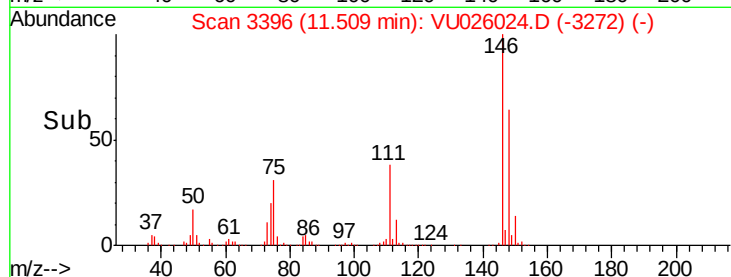
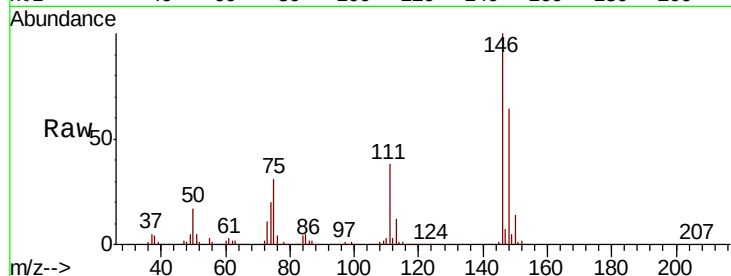




#63
 1,4-Dichlorobenzene
 Concen: 139.870 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU026024.D
 Acq: 10 Aug 2018 02:55

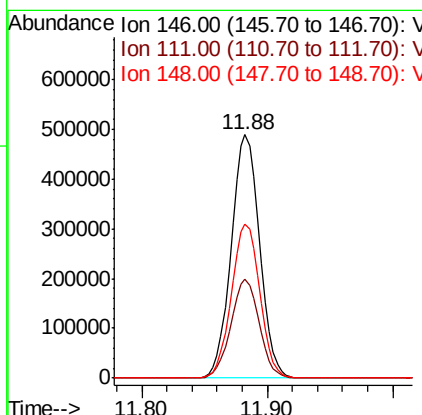
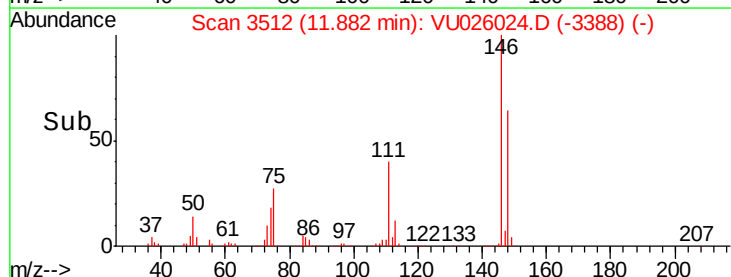
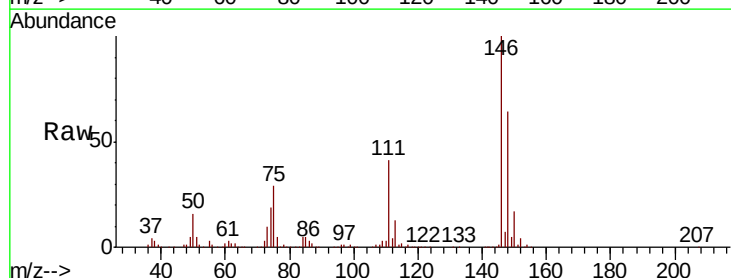
Instrument :
 MSVOA_U
 ClientSampleId :

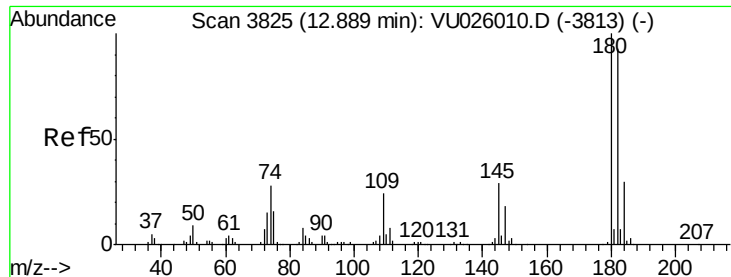
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	26.4	49.0
148	64.3	43.8	81.4



#65
 1,2-Dichlorobenzene
 Concen: 149.038 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026024.D
 Acq: 10 Aug 2018 02:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	32.4	48.6
148	63.5	50.1	75.1

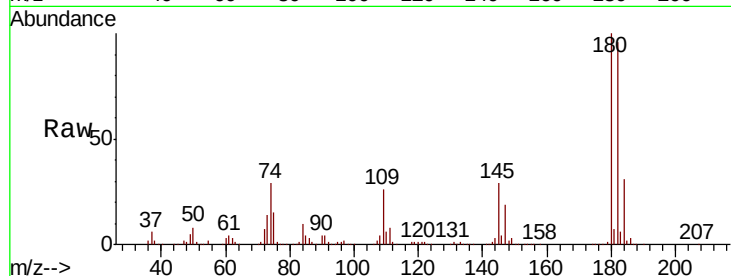




#67
 1,3,5-Trichlorobenzene
 Concen: 269.399 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.62 min
 Lab File: VU026024.D
 Acq: 10 Aug 2018 02:55

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.5	114.7
184	30.8	24.3	36.5
145	29.5	23.5	35.3



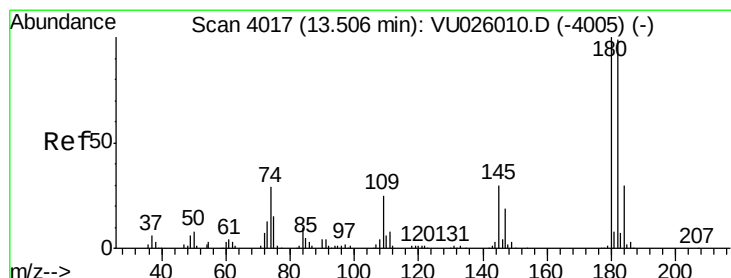
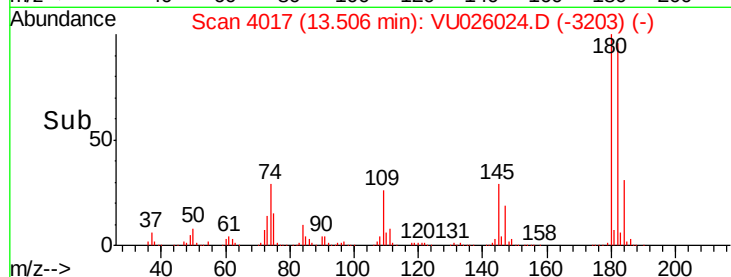
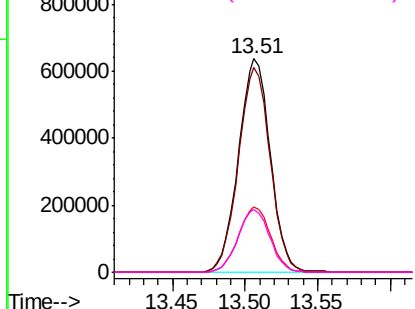
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

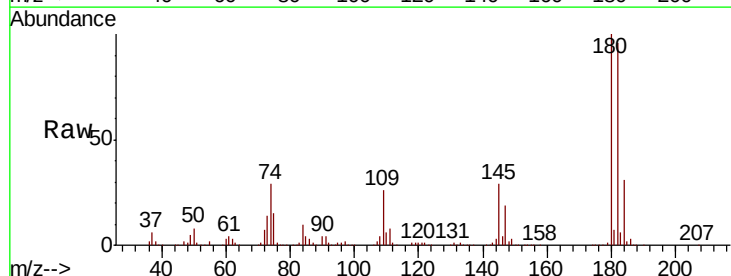
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 318.572 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026024.D
 Acq: 10 Aug 2018 02:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.5	114.7
145	29.5	24.2	36.4

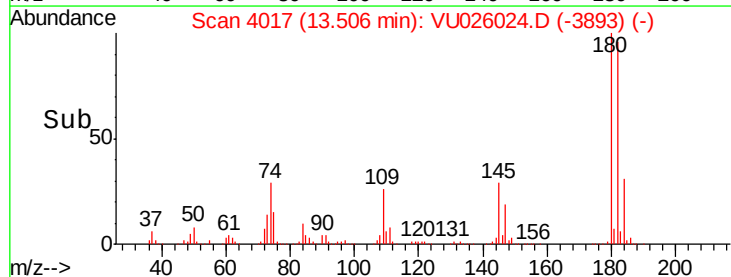
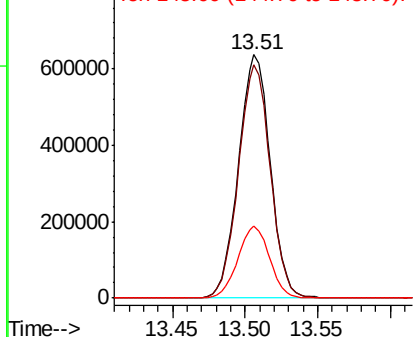


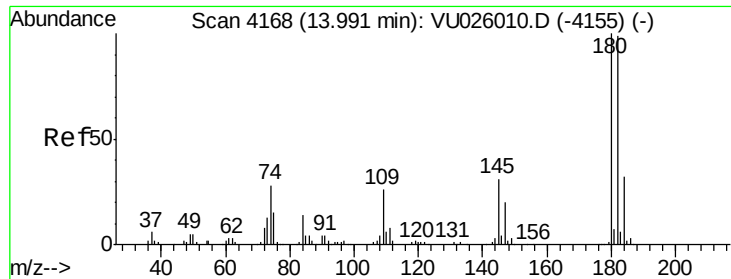
Abundance

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

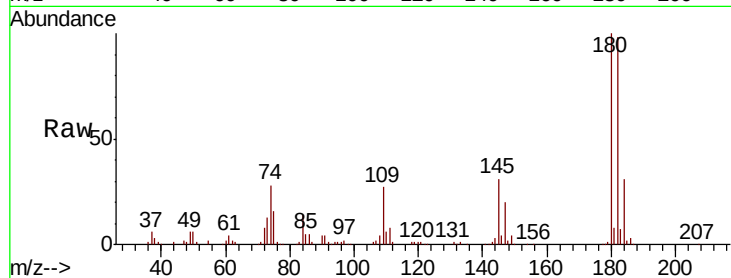




#70
 1,2,3-Trichlorobenzene
 Concen: 61.095 ug/L
 RT: 13.99 min Scan# 4167
 Delta R.T. -0.00 min
 Lab File: VU026024.D
 Acq: 10 Aug 2018 02:55

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.5	114.7
145	31.3	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

