

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081318\
 Data File : VU026083.D
 Acq On : 13 Aug 2018 21:29
 Operator : MD/SY
 Sample : J4451-02 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 14 02:20:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 14 02:18:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	283103	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	277345	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	139735	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	80852	39.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.14%
7) Chloroethane-d5	1.68	69	69437	42.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.64%
11) 1,1-Dichloroethene-d2	2.27	63	123605	31.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.86%
21) 2-Butanone-d5	4.18	46	140659	81.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.55%
24) Chloroform-d	4.65	84	186919	42.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.20%
26) 1,2-Dichloroethane-d4	5.31	65	127669	43.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.14%
32) Benzene-d6	5.35	84	358934	41.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.36%
36) 1,2-Dichloropropane-d6	6.33	67	117361	42.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.22%
41) Toluene-d8	7.57	98	327731	39.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.56%#
43) trans-1,3-Dichloropropene-	7.85	79	54251	38.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.28%
47) 2-Hexanone-d5	8.31	63	96297	76.08	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	76.08%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	165431	40.60	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	151738	44.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.10%

Target Compounds

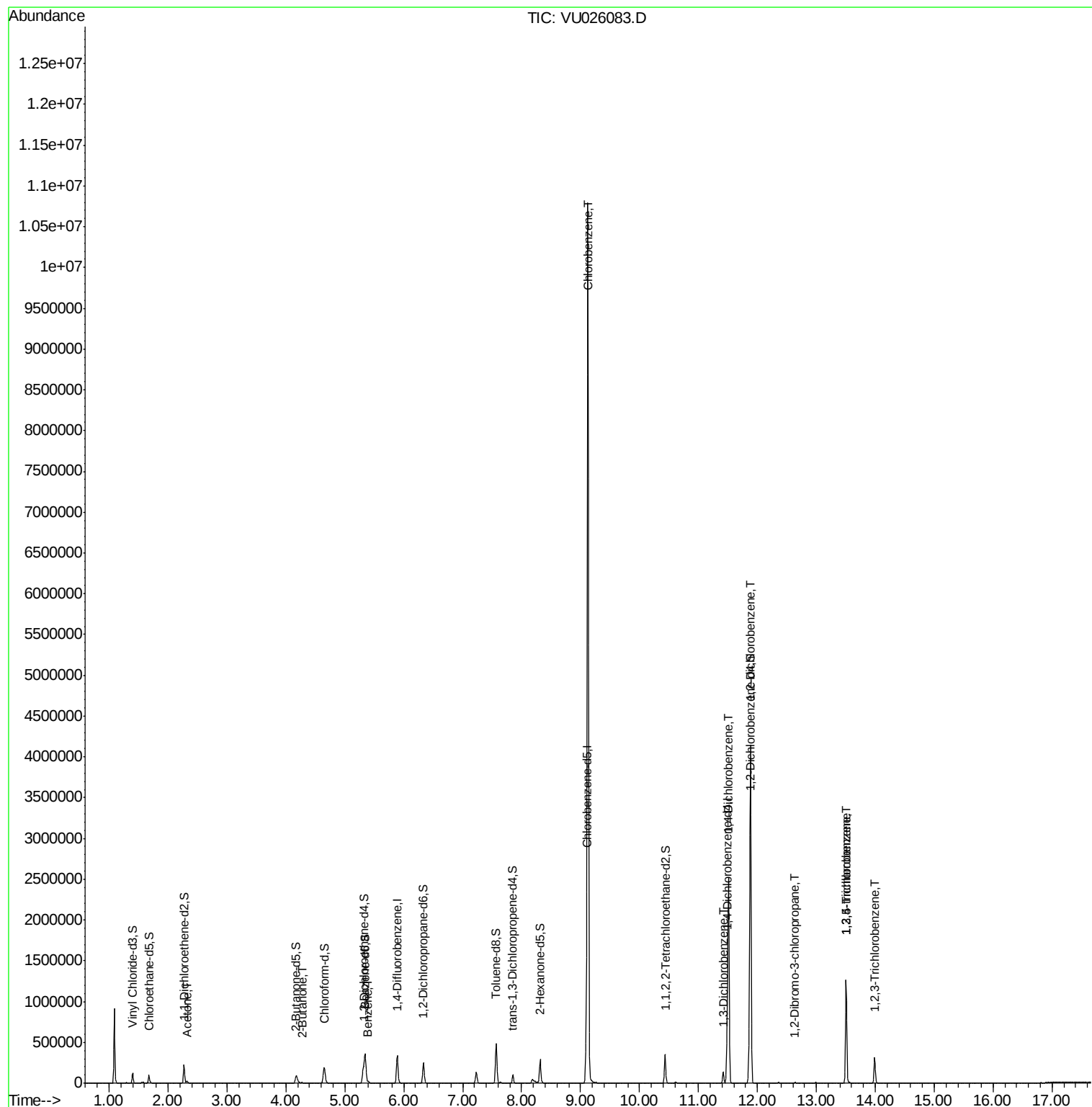
					Ovalue
13) Acetone	2.32	43	20951	19.554	ug/L 98
22) 2-Butanone	4.27	43	8998	5.804	ug/L 88
33) Benzene	5.39	78	13628	1.725	ug/L 100
51) Chlorobenzene	9.12	112	5700636	1008.350	ug/L 99
62) 1,3-Dichlorobenzene	11.42	146	57601	13.241	ug/L 99
63) 1,4-Dichlorobenzene	11.51	146	990507	217.201	ug/L 98
65) 1,2-Dichlorobenzene	11.88	146	1638653	353.884	ug/L 99
66) 1,2-Dibromo-3-chloropropan	12.64	75	1286	1.582	ug/L # 1
67) 1,3,5-Trichlorobenzene	13.51	180	394842	121.442	ug/L 99
68) 1,2,4-trichlorobenzene	13.51	180	394842	143.608	ug/L 99
70) 1,2,3-Trichlorobenzene	13.99	180	101389	34.310	ug/L 99

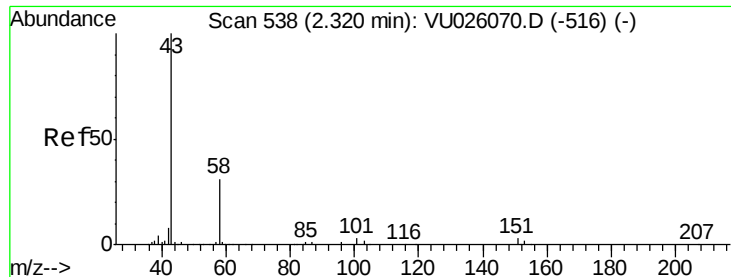
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Aug 14 02:18:47 2018
Response via : Initial Calibration





#13

Acetone

Concen: 19.554 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026083.D

Acq: 13 Aug 2018 21:29

Instrument :

MSVOA_U

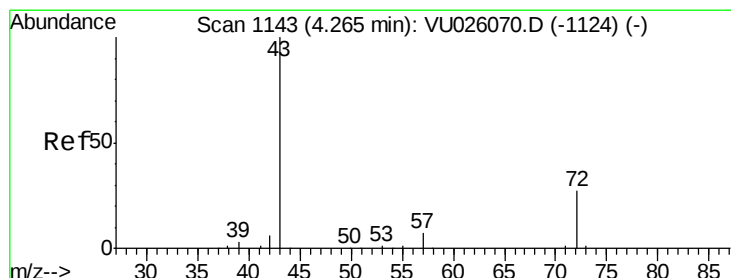
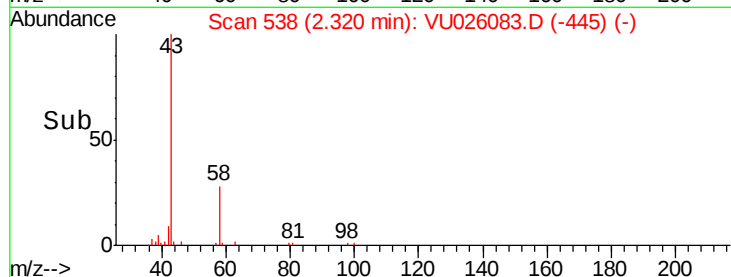
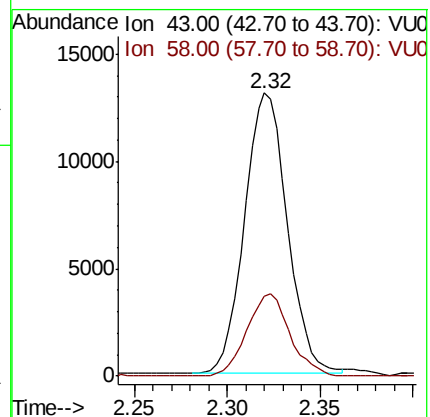
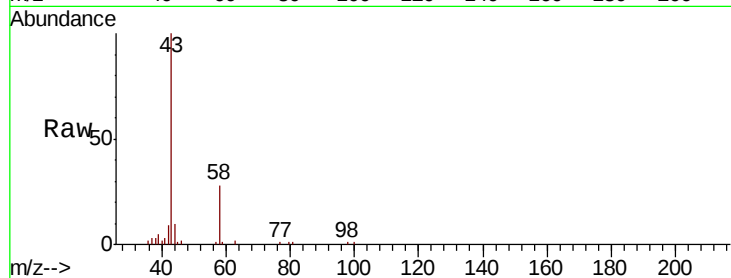
ClientSampleId :

Tot Ion: 43 Resp: 20951

Ion Ratio Lower Upper

43 100

58 29.5 0.0 61.8



#22

2-Butanone

Concen: 5.804 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU026083.D

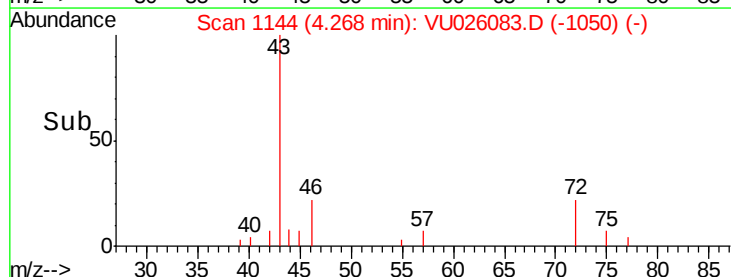
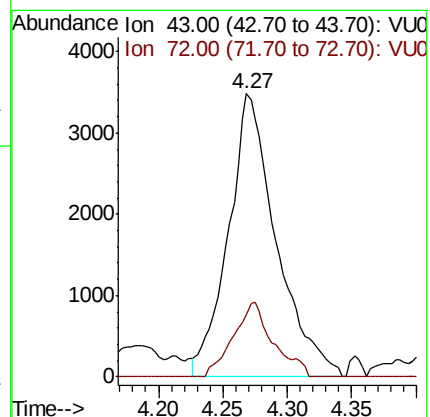
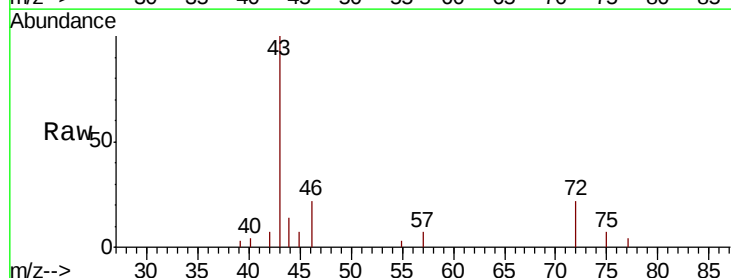
Acq: 13 Aug 2018 21:29

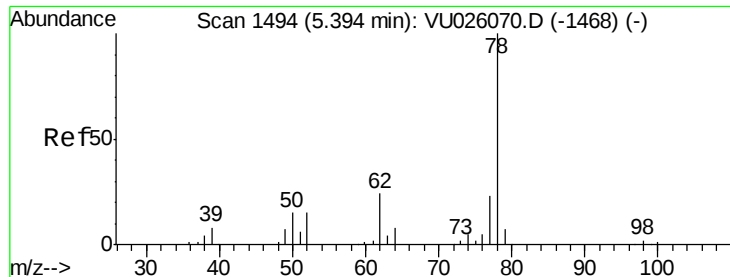
Tgt Ion: 43 Resp: 8998

Ion Ratio Lower Upper

43 100

72 20.7 13.5 40.5

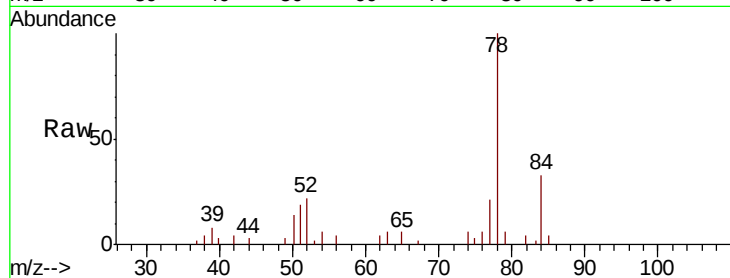




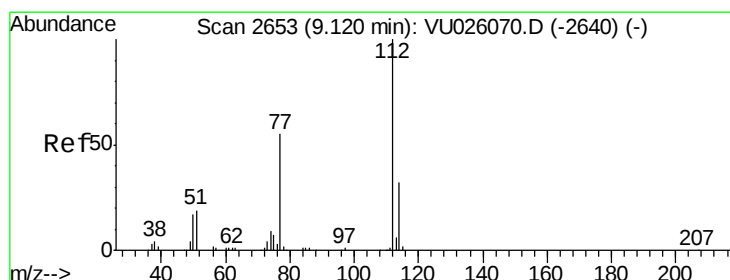
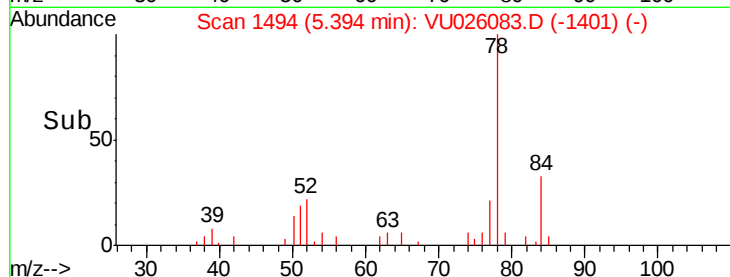
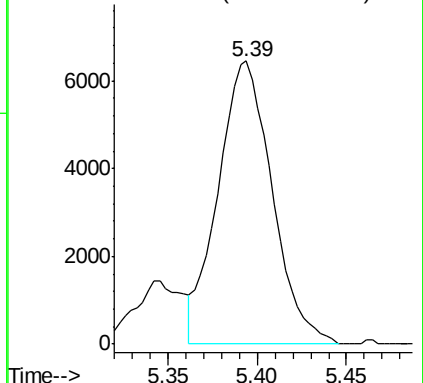
#33
Benzene
Concen: 1.725 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU026083.D
Acq: 13 Aug 2018 21:29

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 78 Resp: 13628

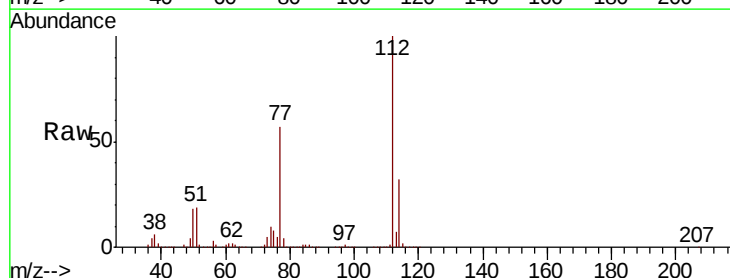


Abundance Ion 78.00 (77.70 to 78.70): VU0

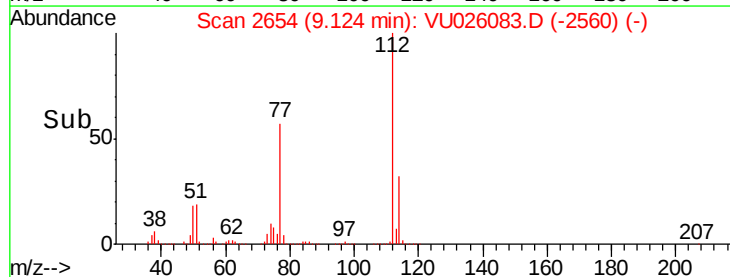
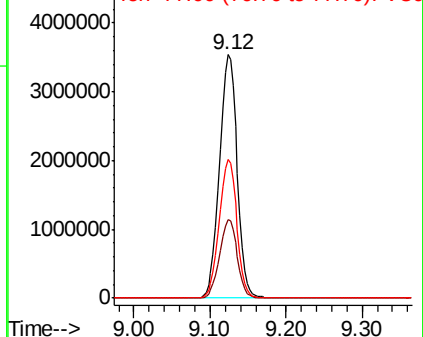


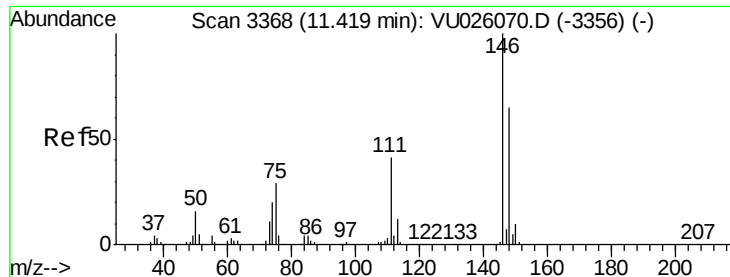
#51
Chlorobenzene
Concen: 1008.350 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU026083.D
Acq: 13 Aug 2018 21:29

Tgt Ion: 112 Resp: 5700636
Ion Ratio Lower Upper
112 100
114 32.1 22.7 42.3
77 56.9 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





#62

1,3-Dichlorobenzene

Concen: 13.241 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026083.D

Acq: 13 Aug 2018 21:29

Instrument :

MSVOA_U

ClientSampleId :

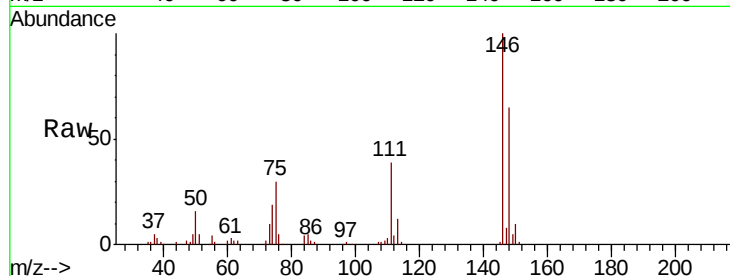
Tot Ion:146 Resp: 57601

Ion Ratio Lower Upper

146 100

111 39.0 27.9 51.9

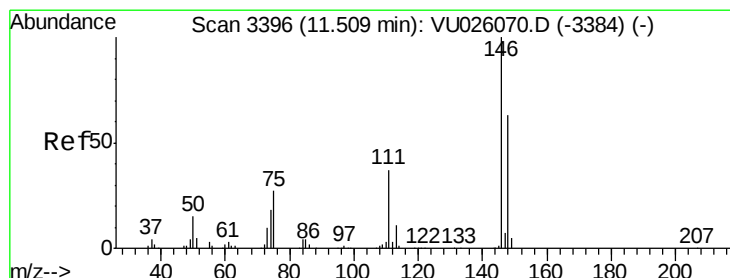
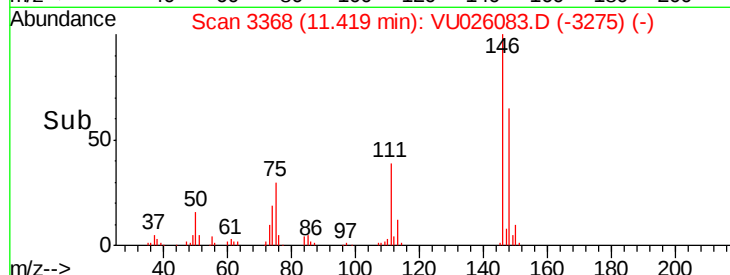
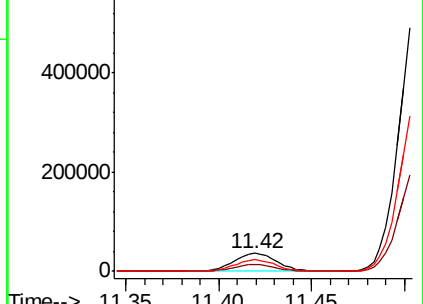
148 64.5 46.0 85.4



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



#63

1,4-Dichlorobenzene

Concen: 217.201 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026083.D

Acq: 13 Aug 2018 21:29

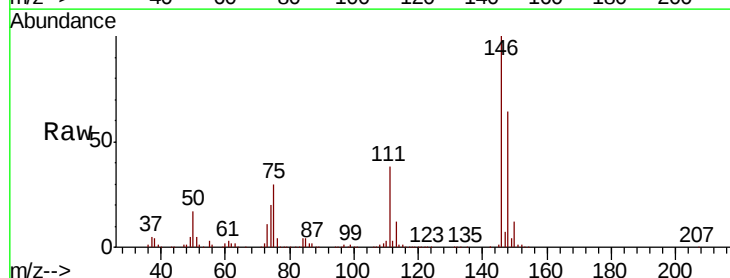
Tgt Ion:146 Resp: 990507

Ion Ratio Lower Upper

146 100

111 38.4 26.4 49.0

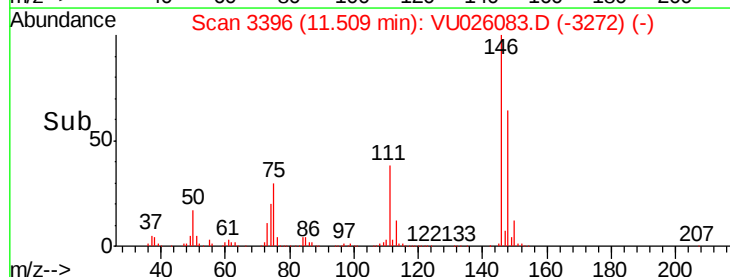
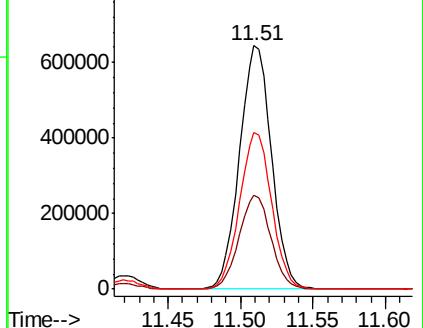
148 64.5 43.8 81.4

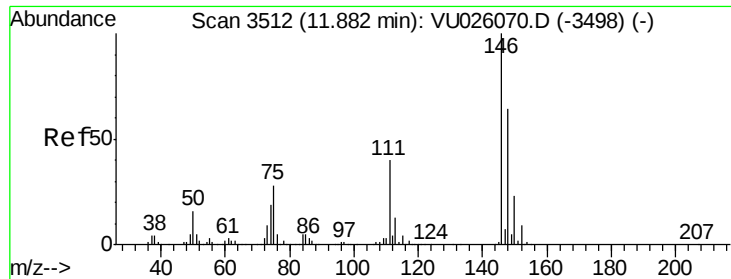


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 353.884 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU026083.D

Acq: 13 Aug 2018 21:29

Instrument :

MSVOA_U

ClientSampleId :

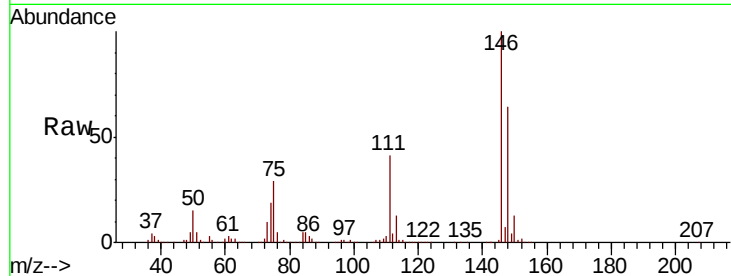
Tot Ion:146 Resp: 1638653

Ion Ratio Lower Upper

146 100

111 40.6 32.4 48.6

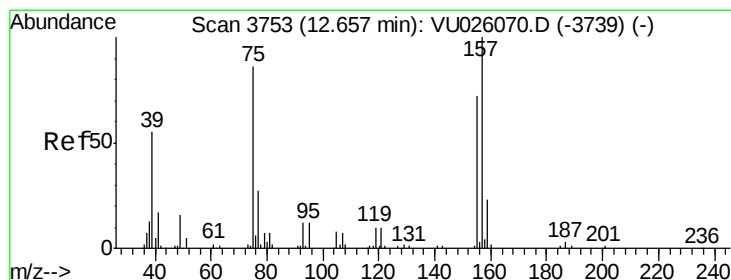
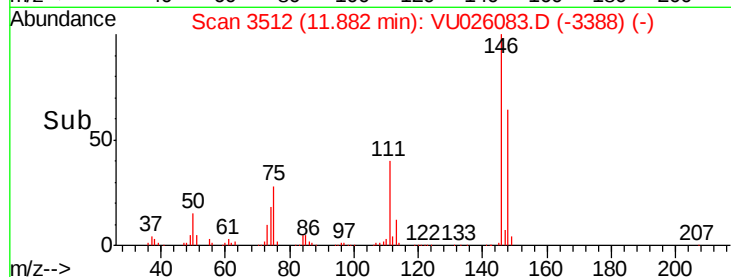
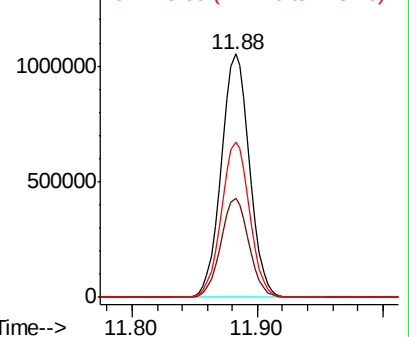
148 63.9 50.1 75.1



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



#66

1,2-Dibromo-3-chloropropane

Concen: 1.582 ug/L

RT: 12.64 min Scan# 3748

Delta R.T. -0.02 min

Lab File: VU026083.D

Acq: 13 Aug 2018 21:29

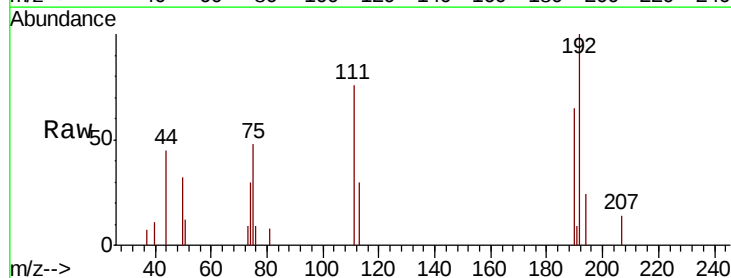
Tgt Ion: 75 Resp: 1286

Ion Ratio Lower Upper

75 100

155 0.0 71.8 107.8#

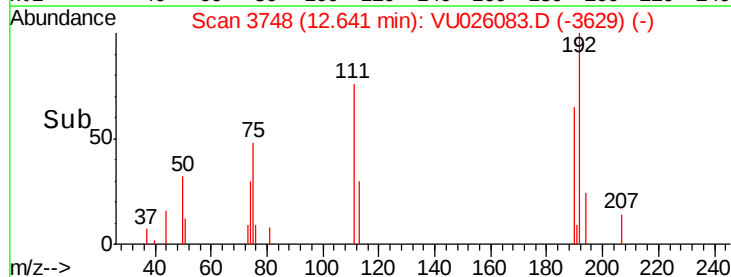
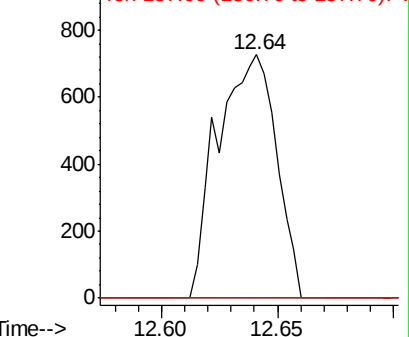
157 0.0 93.0 139.6#

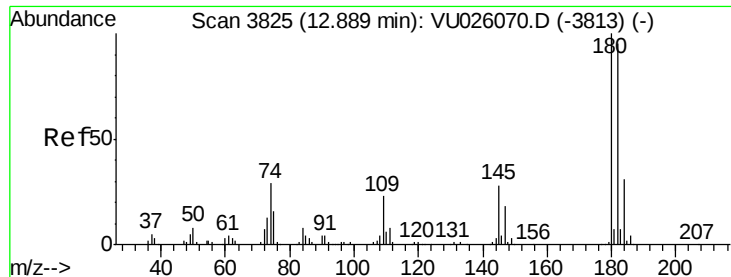


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

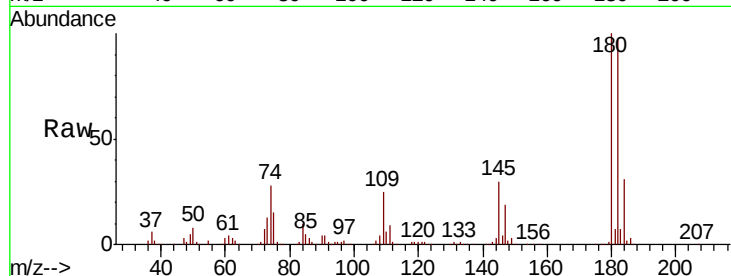




#67
 1,3,5-Trichlorobenzene
 Concen: 121.442 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.62 min
 Lab File: VU026083.D
 Acq: 13 Aug 2018 21:29

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.5	114.7
184	30.5	24.3	36.5
145	29.7	23.5	35.3



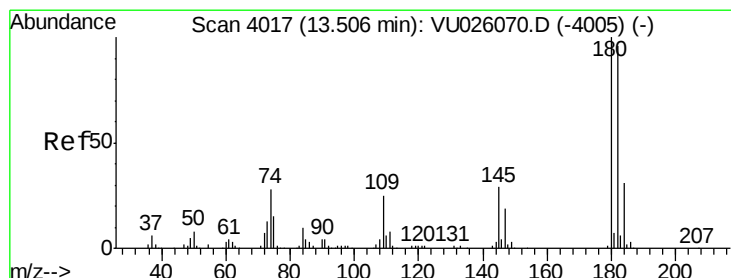
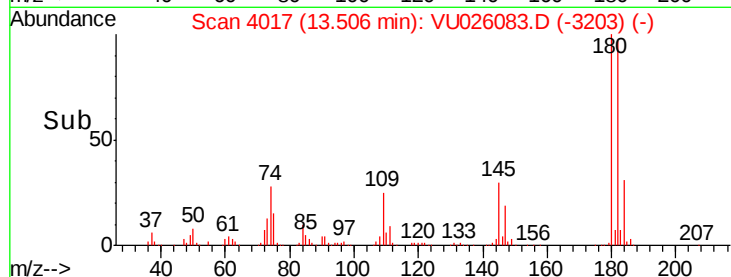
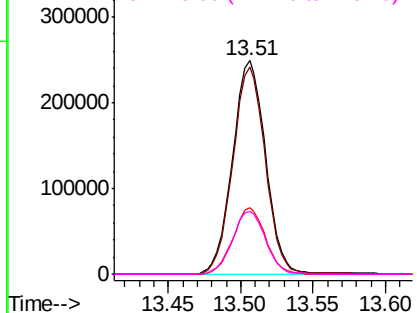
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

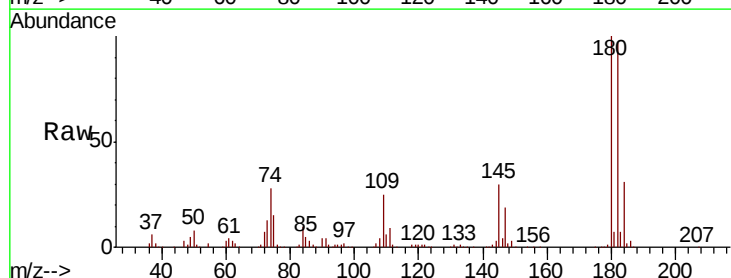
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 143.608 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026083.D
 Acq: 13 Aug 2018 21:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.5	114.7
145	29.7	24.2	36.4

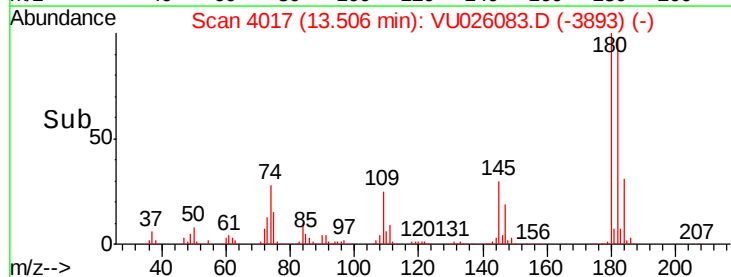
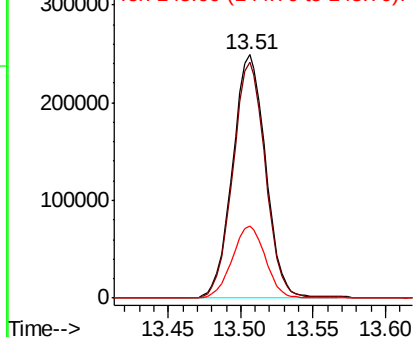


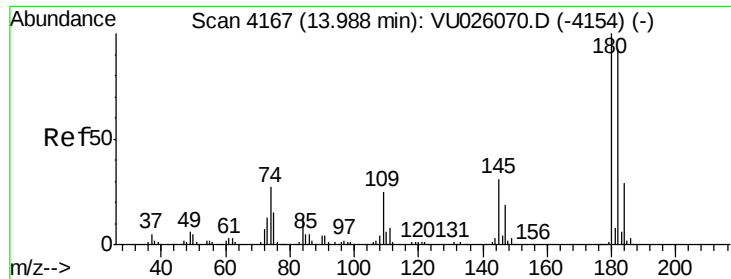
Abundance

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

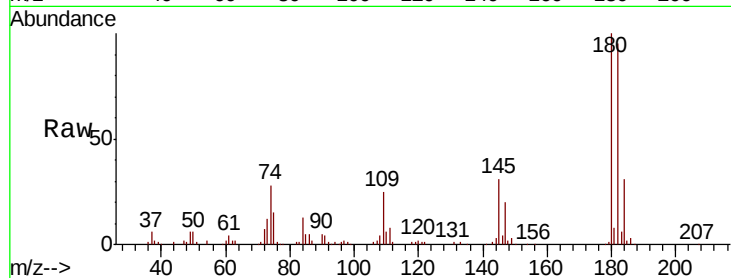




#70
 1,2,3-Trichlorobenzene
 Concen: 34.310 ug/L
 RT: 13.99 min Scan# 4167
 Delta R.T. 0.00 min
 Lab File: VU026083.D
 Acq: 13 Aug 2018 21:29

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.5	114.7
145	30.3	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

