

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
 Data File : VU025990.D
 Acq On : 09 Aug 2018 12:45
 Operator : MD/SY
 Sample : J4361-03 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 10 05:16:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 10 05:14:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	300060	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	287553	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	146242	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	104380	47.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.18%
7) Chloroethane-d5	1.68	69	88442	50.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.72%
11) 1,1-Dichloroethene-d2	2.27	63	157385	37.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.52%
21) 2-Butanone-d5	4.18	46	177163	96.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.92%
24) Chloroform-d	4.65	84	230787	49.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.24%
26) 1,2-Dichloroethane-d4	5.31	65	159765	50.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.70%
32) Benzene-d6	5.35	84	454712	50.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.84%
36) 1,2-Dichloropropane-d6	6.33	67	145450	50.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.68%
41) Toluene-d8	7.57	98	424025	49.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.28%
43) trans-1,3-Dichloropropene-	7.85	79	74351	51.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.16%
47) 2-Hexanone-d5	8.31	63	128991	98.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.30%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	204686	48.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.90%
64) 1,2-Dichlorobenzene-d4	12.08	152	53	0.01	ug/L	0.21
Spiked Amount	50.000	Range	80 - 120	Recovery	=	0.02%#

Target Compounds

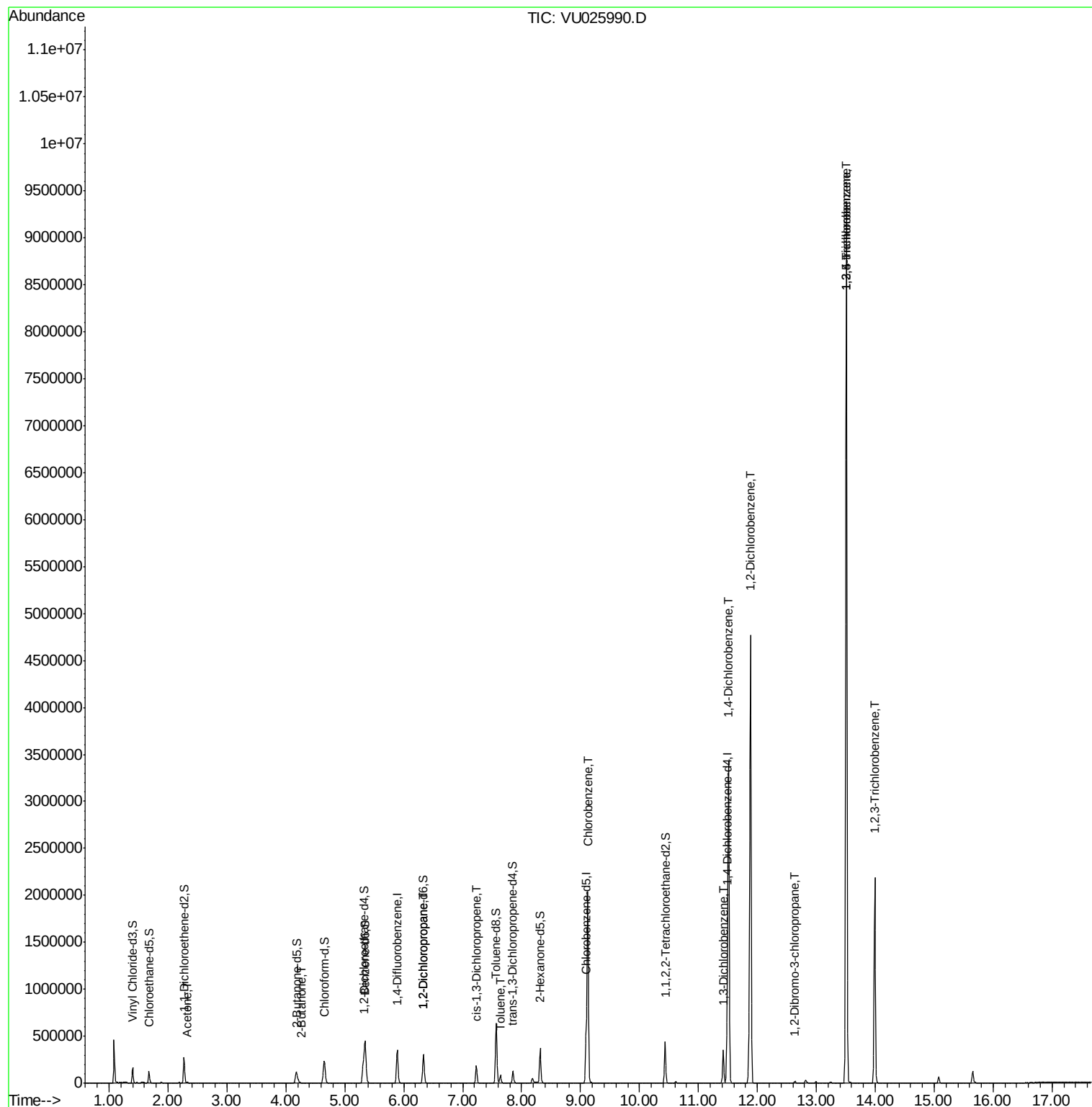
					Ovalue
13) Acetone	2.32	43	9422	8.297	ug/L 98
22) 2-Butanone	4.27	43	3998	2.433	ug/L # 65
37) 1,2-Dichloropropane	6.33	63	16467	7.348	ug/L # 88
39) cis-1,3-Dichloropropene	7.23	75	4379	1.289	ug/L # 73
42) Toluene	7.64	91	60105	6.914	ug/L 99
51) Chlorobenzene	9.12	112	1080903	184.407	ug/L 99
62) 1,3-Dichlorobenzene	11.42	146	143436	31.505	ug/L 97
63) 1,4-Dichlorobenzene	11.51	146	1341448	281.068	ug/L 99
65) 1,2-Dichlorobenzene	11.88	146	1836228	378.908	ug/L 99
66) 1,2-Dibromo-3-chloropropan	12.64	75	4109	4.831	ug/L # 1
67) 1,3,5-Trichlorobenzene	13.51	180	2842332	835.319	ug/L 100
68) 1,2,4-trichlorobenzene	13.51	180	2842332	987.790	ug/L 99
70) 1,2,3-Trichlorobenzene	13.99	180	672304	217.384	ug/L 99

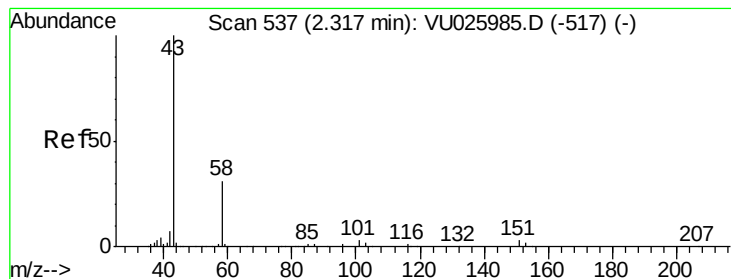
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 10 05:14:50 2018
Response via : Initial Calibration





#13

Acetone

Concen: 8.297 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.01 min

Lab File: VU025990.D

Acq: 09 Aug 2018 12:45

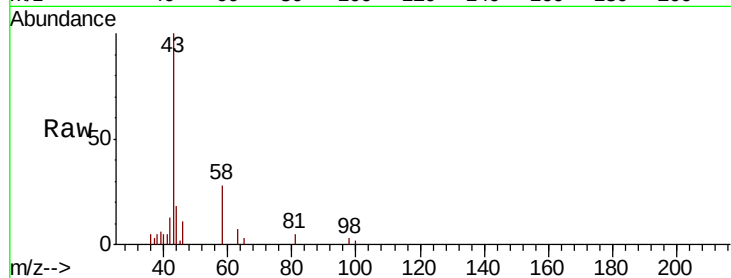
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 9422

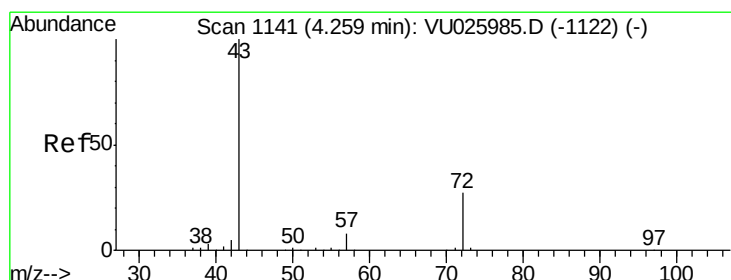
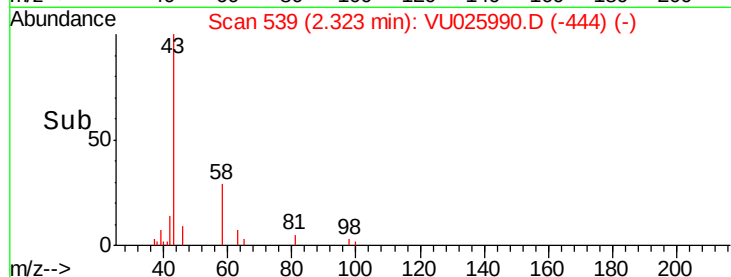
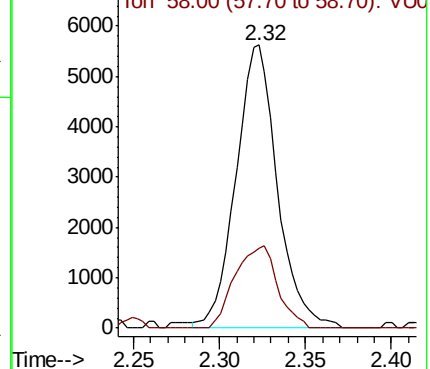
Ion Ratio Lower Upper

43 100

58 29.8 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VU025990.D (-1048) (-)



#22

2-Butanone

Concen: 2.433 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VU025990.D

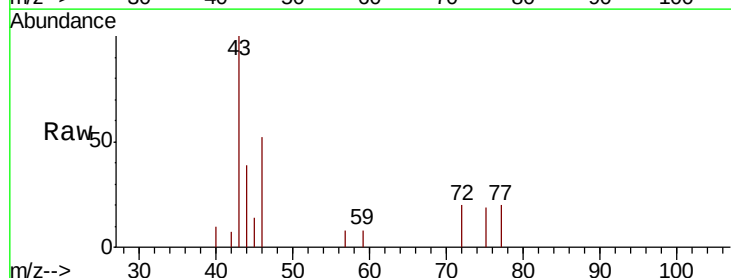
Acq: 09 Aug 2018 12:45

Tgt Ion: 43 Resp: 3998

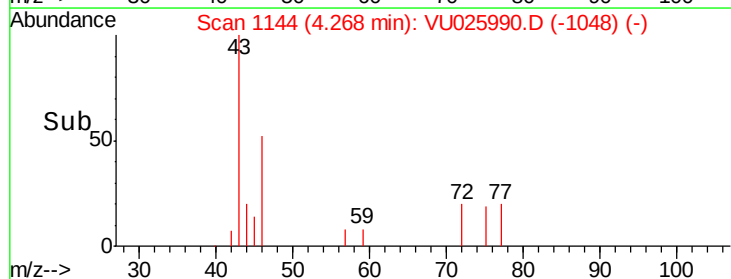
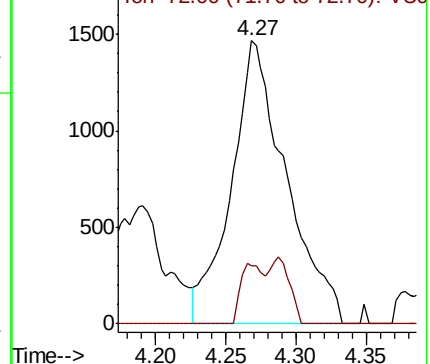
Ion Ratio Lower Upper

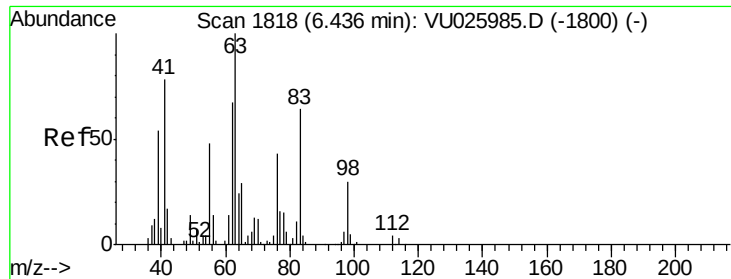
43 100

72 8.9 13.5 40.5#



Abundance Ion 43.00 (42.70 to 43.70): VU025990.D (-1048) (-)

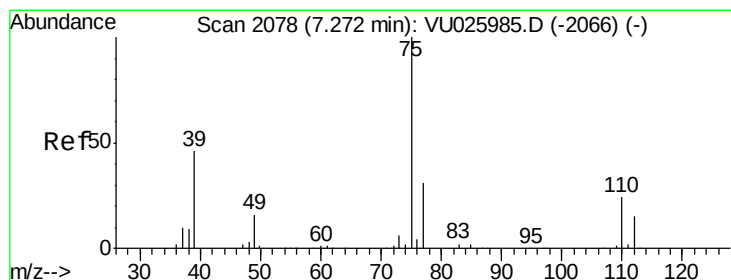
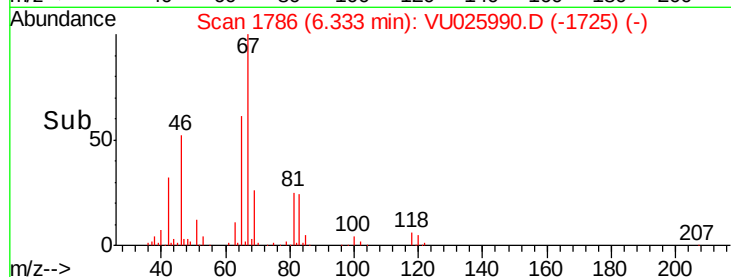
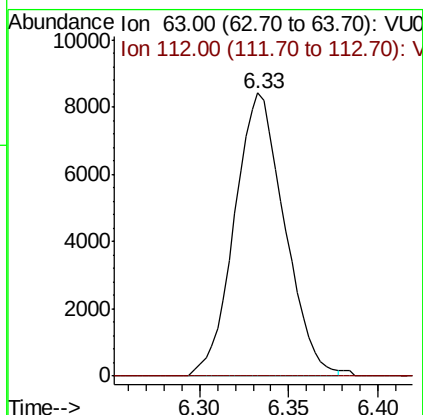
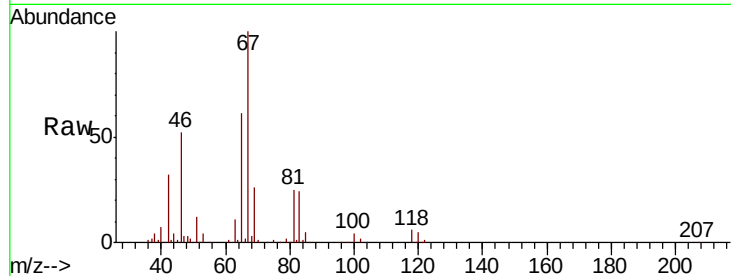




#37
 1,2-Dichloropropane
 Concen: 7.348 ug/L
 RT: 6.33 min Scan# 1786
 Delta R.T. -0.10 min
 Lab File: VU025990.D
 Acq: 09 Aug 2018 12:45

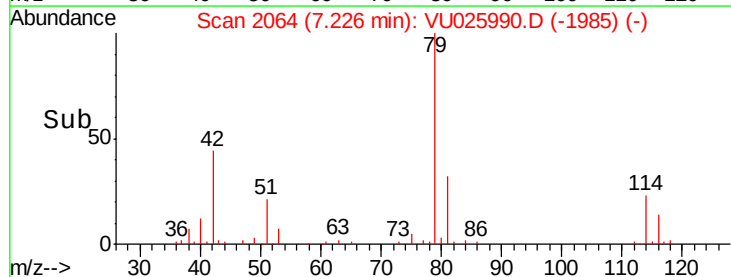
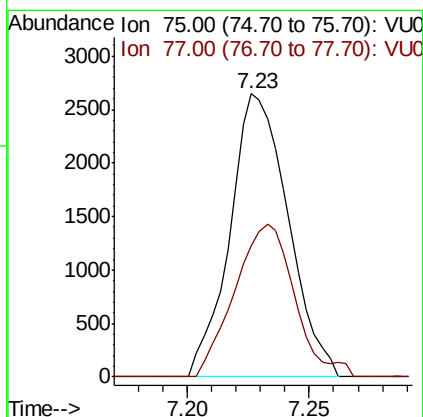
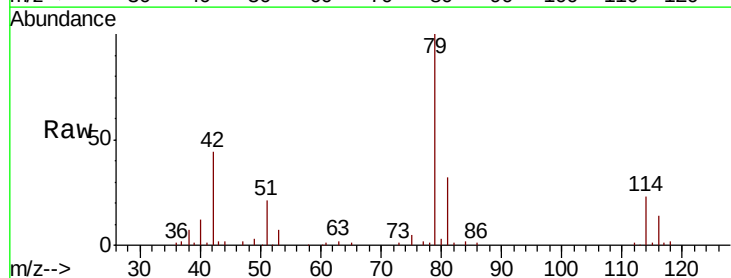
Instrument :
 MSVOA_U
 ClientSampled :

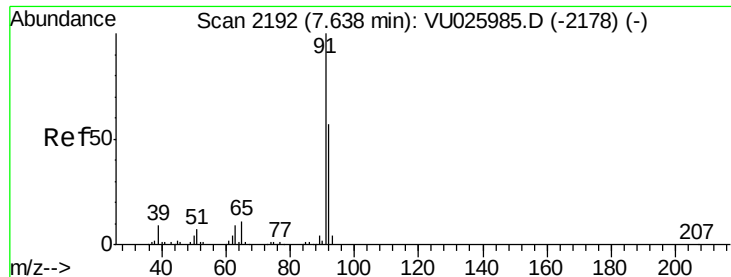
Tot Ion: 63 Resp: 16467
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 1.289 ug/L
 RT: 7.23 min Scan# 2064
 Delta R.T. -0.05 min
 Lab File: VU025990.D
 Acq: 09 Aug 2018 12:45

Tgt Ion: 75 Resp: 4379
 Ion Ratio Lower Upper
 75 100
 77 46.5 22.1 41.1#





#42

Toluene

Concen: 6.914 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025990.D

Acq: 09 Aug 2018 12:45

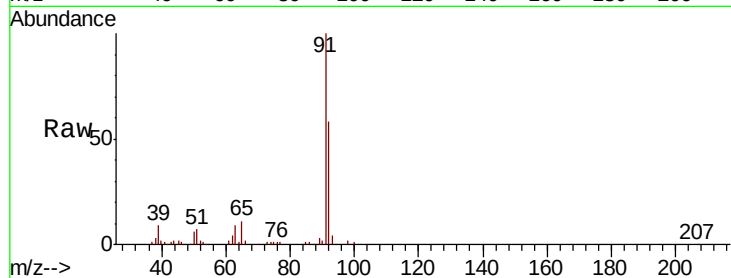
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 60105

Ion Ratio Lower Upper

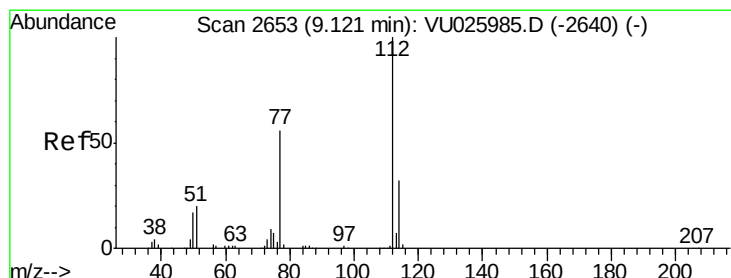
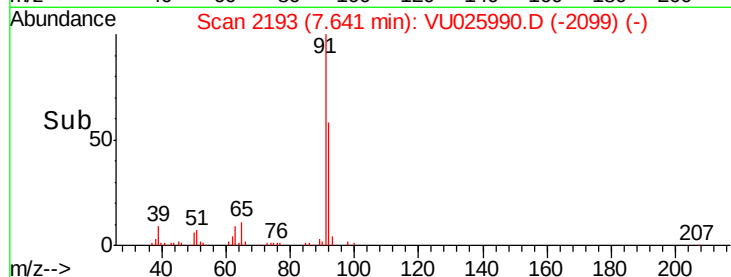
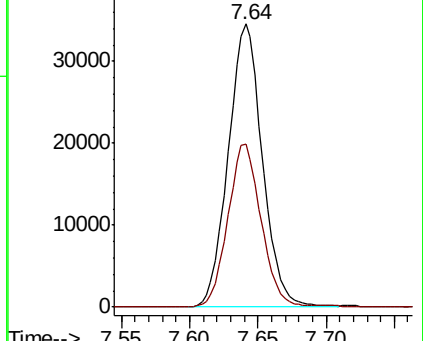
91 100

92 57.7 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VU025990.D (-2099) (-)

Ion 92.00 (91.70 to 92.70): VU025990.D (-2099) (-)



#51

Chlorobenzene

Concen: 184.407 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU025990.D

Acq: 09 Aug 2018 12:45

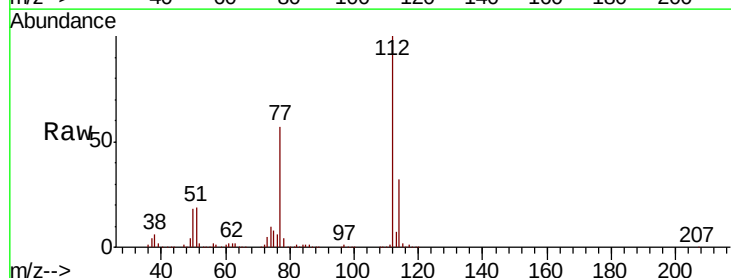
Tgt Ion: 112 Resp: 1080903

Ion Ratio Lower Upper

112 100

114 32.3 22.7 42.3

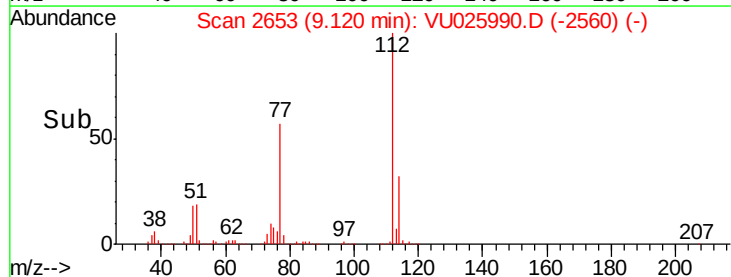
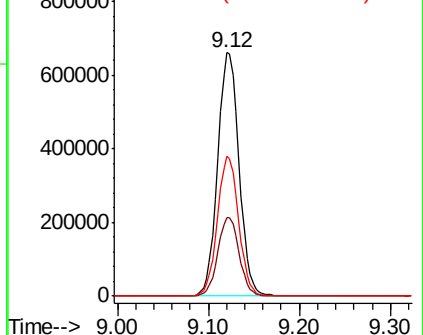
77 57.3 45.2 67.8

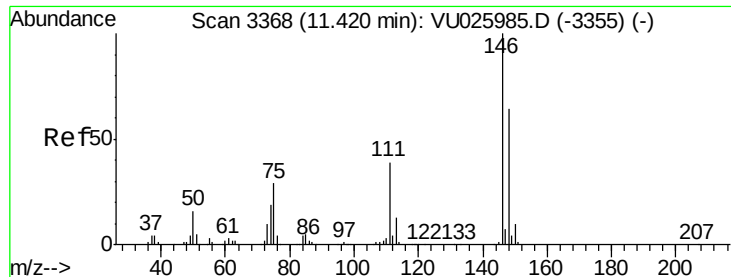


Abundance Ion 112.00 (111.70 to 112.70): VU025990.D (-2560) (-)

Ion 114.00 (113.70 to 114.70): VU025990.D (-2560) (-)

Ion 77.00 (76.70 to 77.70): VU025990.D (-2560) (-)

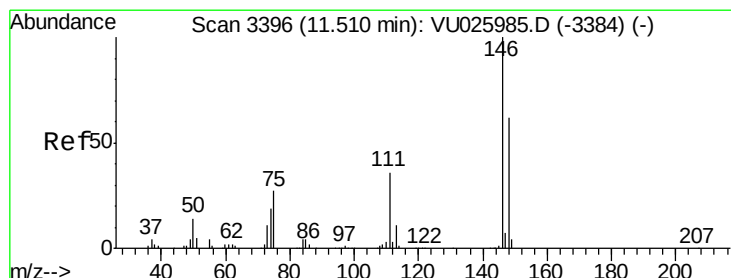
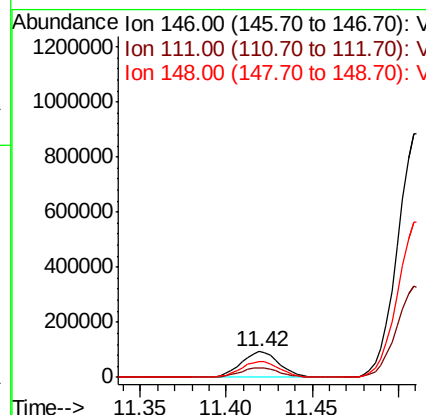
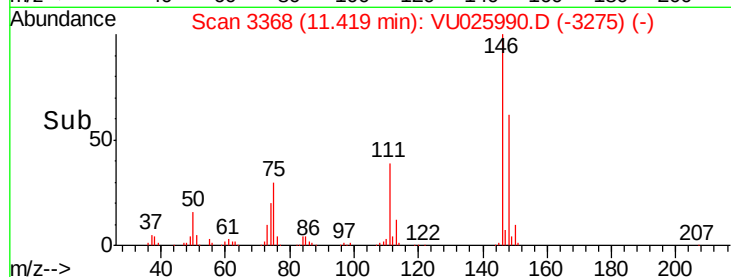
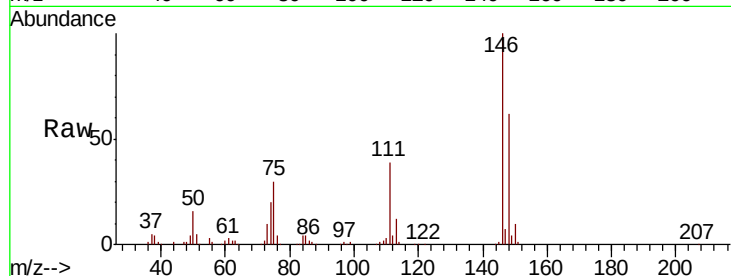




#62
 1,3-Dichlorobenzene
 Concen: 31.505 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025990.D
 Acq: 09 Aug 2018 12:45

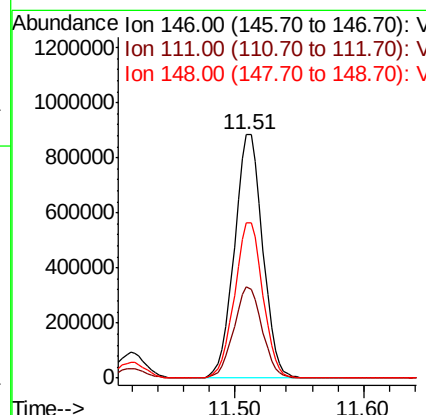
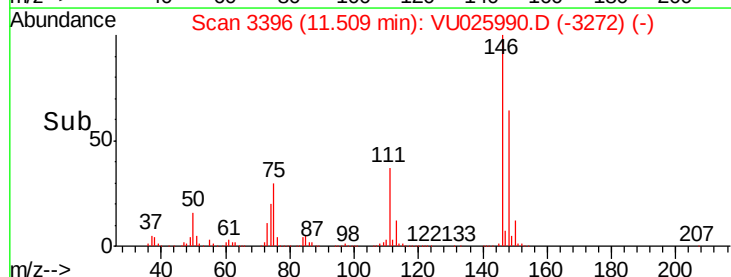
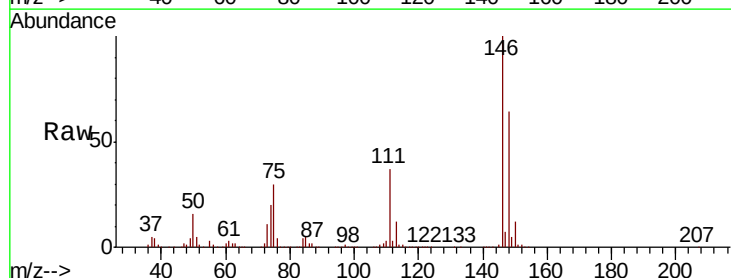
Instrument :
 MSVOA_U
 ClientSampleId :

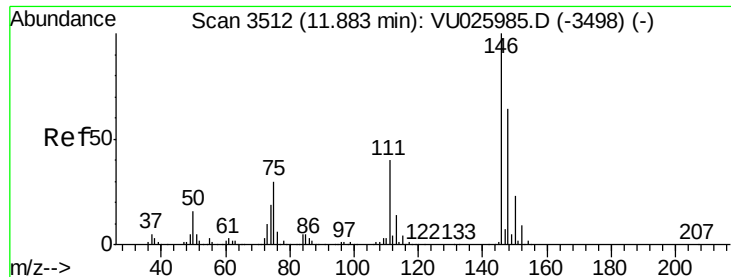
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	27.9	51.9
148	62.1	46.0	85.4



#63
 1,4-Dichlorobenzene
 Concen: 281.068 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU025990.D
 Acq: 09 Aug 2018 12:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	26.4	49.0
148	63.7	43.8	81.4





#65

1,2-Dichlorobenzene

Concen: 378.908 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU025990.D

Acq: 09 Aug 2018 12:45

Instrument :

MSVOA_U

ClientSampleId :

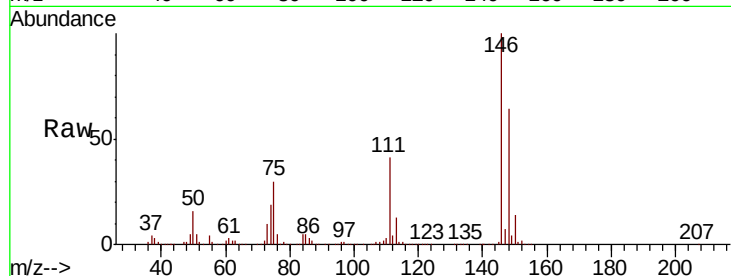
Tot Ion:146 Resp: 1836228

Ion Ratio Lower Upper

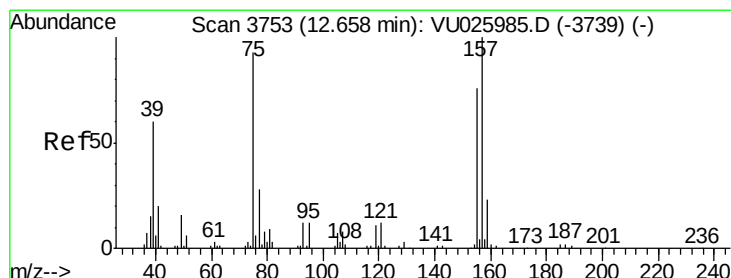
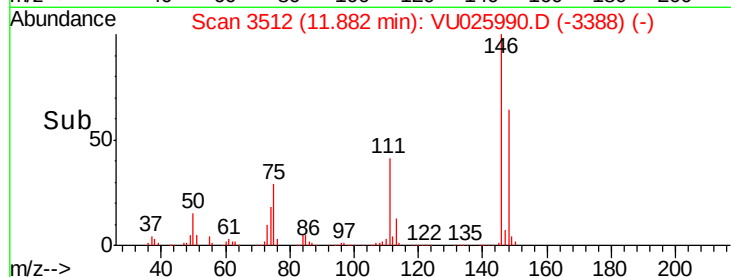
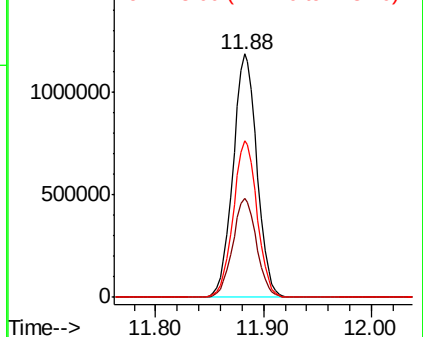
146 100

111 40.8 32.4 48.6

148 64.3 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: 4.831 ug/L

RT: 12.64 min Scan# 3747

Delta R.T. -0.02 min

Lab File: VU025990.D

Acq: 09 Aug 2018 12:45

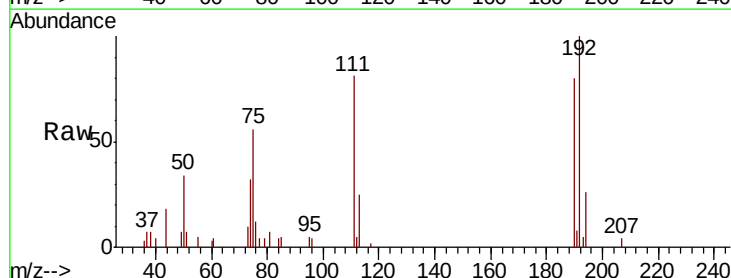
Tgt Ion: 75 Resp: 4109

Ion Ratio Lower Upper

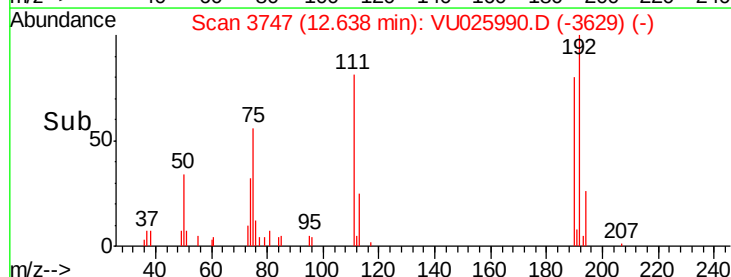
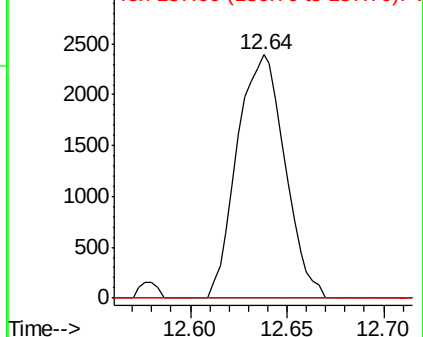
75 100

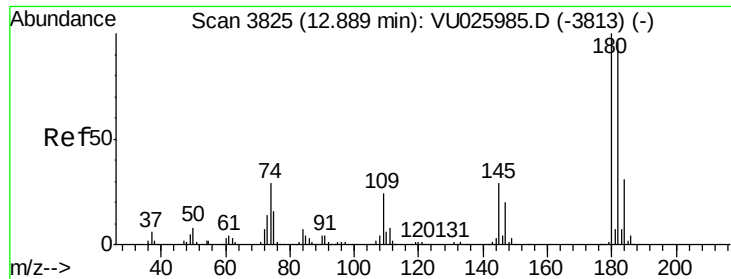
155 0.0 71.8 107.8#

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

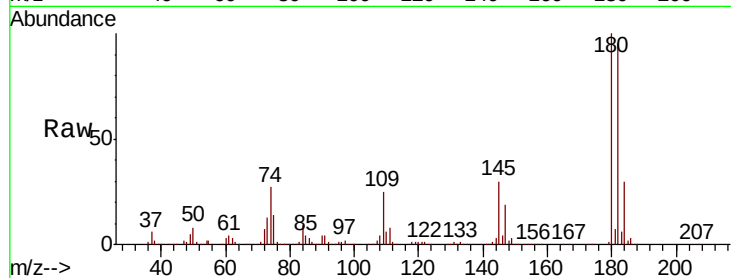




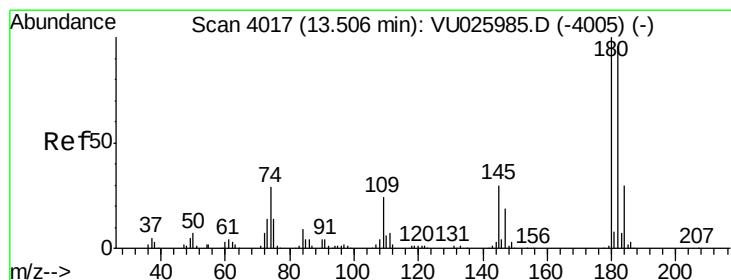
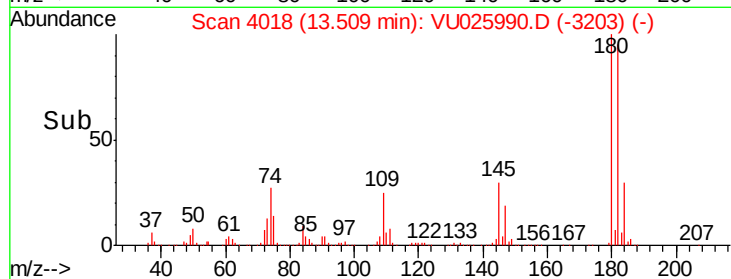
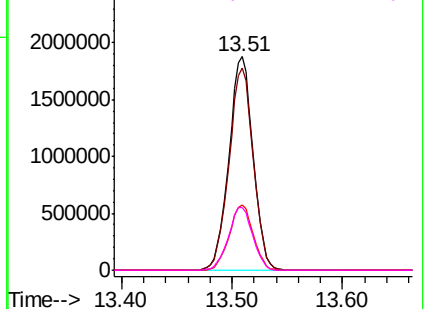
#67
 1,3,5-Trichlorobenzene
 Concen: 835.319 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.62 min
 Lab File: VU025990.D
 Acq: 09 Aug 2018 12:45

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 2842332
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.5 114.7
 184 30.5 24.3 36.5
 145 29.8 23.5 35.3

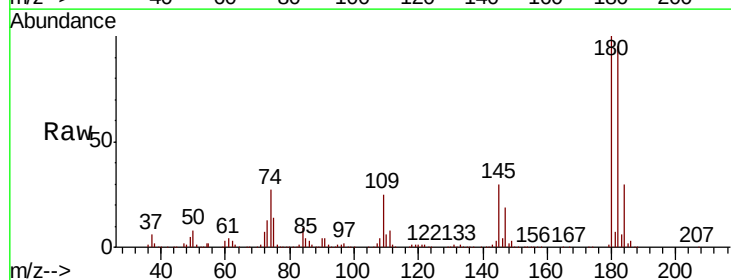


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

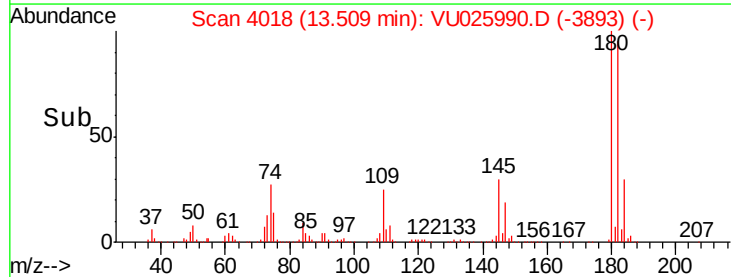
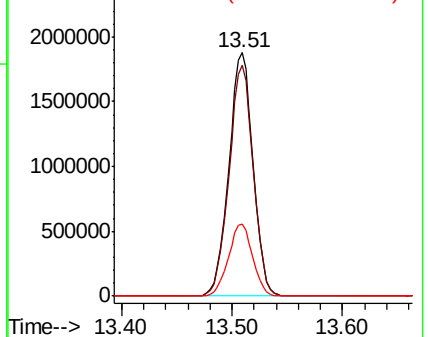


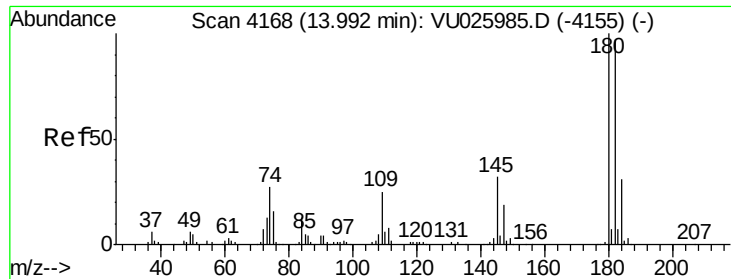
#68
 1,2,4-trichlorobenzene
 Concen: 987.790 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU025990.D
 Acq: 09 Aug 2018 12:45

Tgt Ion:180 Resp: 2842332
 Ion Ratio Lower Upper
 180 100
 182 95.2 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: 217.384 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. -0.00 min
 Lab File: VU025990.D
 Acq: 09 Aug 2018 12:45

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	672304
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.5	114.7
145	31.6	24.7	37.1

