

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
 Data File : VU025993.D
 Acq On : 09 Aug 2018 13:57
 Operator : MD/SY
 Sample : J4361-08 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 10 05:16:38 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	296584	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	283920	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	144368	50.00	ug/L	0.00

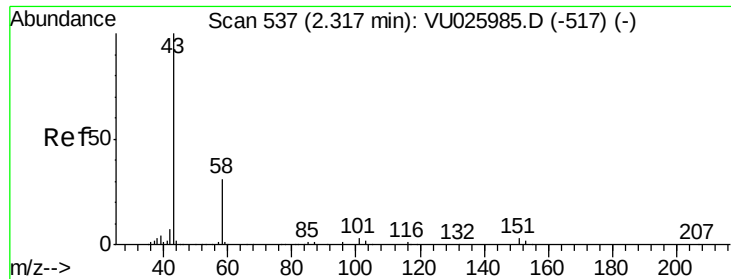
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	99651	45.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.94%
7) Chloroethane-d5	1.68	69	83661	48.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.36%
11) 1,1-Dichloroethene-d2	2.27	63	150705	36.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.16%
21) 2-Butanone-d5	4.18	46	171378	94.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.85%
24) Chloroform-d	4.65	84	217484	47.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.62%
26) 1,2-Dichloroethane-d4	5.31	65	152643	49.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.30%
32) Benzene-d6	5.35	84	429226	48.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.38%
36) 1,2-Dichloropropane-d6	6.33	67	139008	48.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.46%
41) Toluene-d8	7.57	98	399248	47.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.66%
43) trans-1,3-Dichloropropene-	7.85	79	69202	48.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.30%
47) 2-Hexanone-d5	8.31	63	120484	92.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.99%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	195905	46.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.92%
64) 1,2-Dichlorobenzene-d4	11.86	152	180049	50.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.18%

Target Compounds

					Ovalue
13) Acetone	2.32	43	7787	6.938	ug/L 98
22) 2-Butanone	4.27	43	2169	1.336	ug/L 87
37) 1,2-Dichloropropane	6.33	63	15546	7.026	ug/L # 88
39) cis-1,3-Dichloropropene	7.23	75	4675	1.394	ug/L # 73
42) Toluene	7.64	91	45143	5.259	ug/L 100
51) Chlorobenzene	9.12	112	950780	164.283	ug/L 100
62) 1,3-Dichlorobenzene	11.42	146	120749	26.866	ug/L 97
63) 1,4-Dichlorobenzene	11.51	146	1062119	225.430	ug/L 99
65) 1,2-Dichlorobenzene	11.88	146	1462186	305.641	ug/L 99
66) 1,2-Dibromo-3-chloropropan	12.63	75	3008	3.582	ug/L # 1
67) 1,3,5-Trichlorobenzene	13.51	180	2168812	645.655	ug/L 99
68) 1,2,4-trichlorobenzene	13.51	180	2168812	763.507	ug/L 100
70) 1,2,3-Trichlorobenzene	13.99	180	515185	168.743	ug/L 99

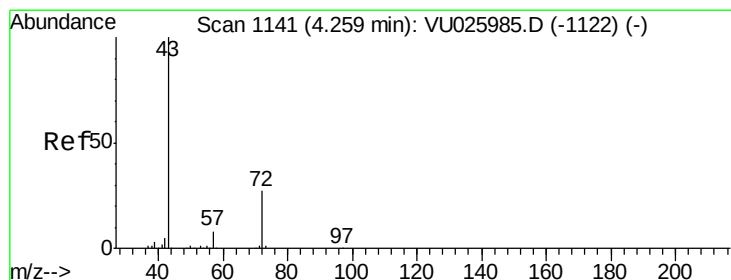
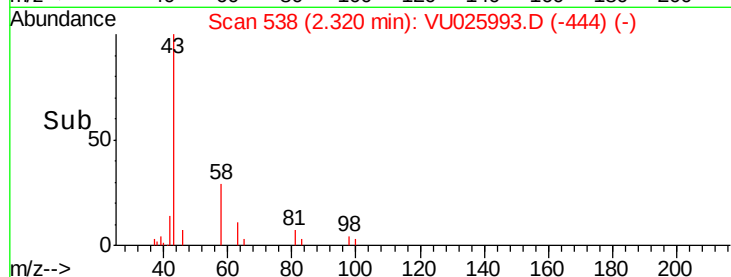
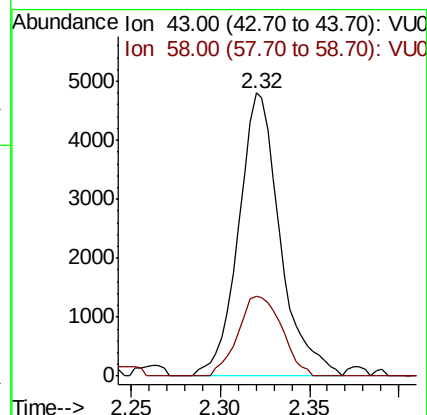
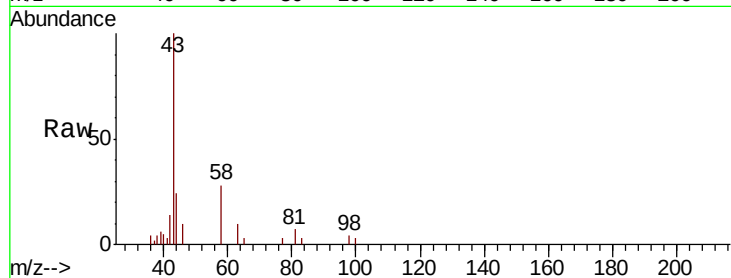
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#13
Acetone
Concen: 6.938 ug/L
RT: 2.32 min Scan# 538
Delta R.T. 0.00 min
Lab File: VU025993.D
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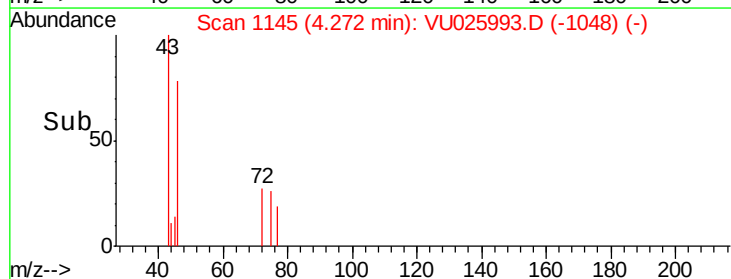
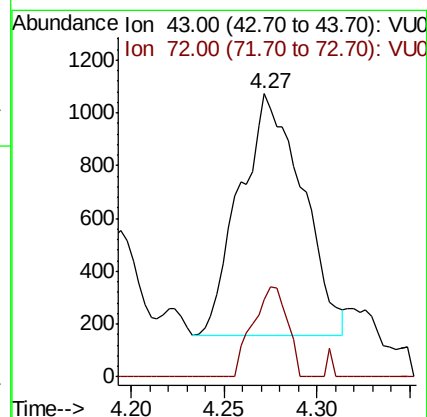
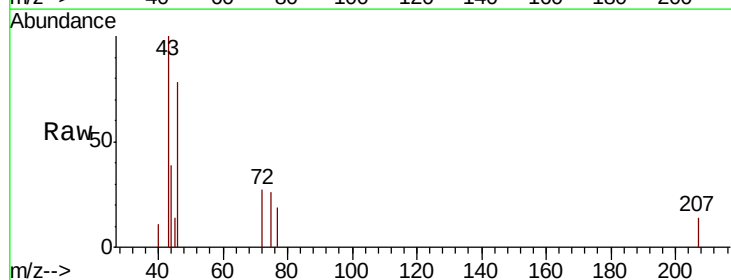
Instrument :
MSVOA_U
ClientSampleId :

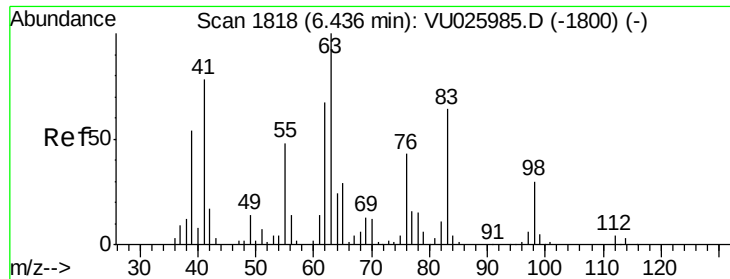
Tot Ion: 43 Resp: 7787
Ion Ratio Lower Upper
43 100
58 29.7 0.0 61.8



#22
2-Butanone
Concen: 1.336 ug/L
RT: 4.27 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VU025993.D
Acq: 09 Aug 2018 13:57

Tgt Ion: 43 Resp: 2169
Ion Ratio Lower Upper
43 100
72 20.5 13.5 40.5

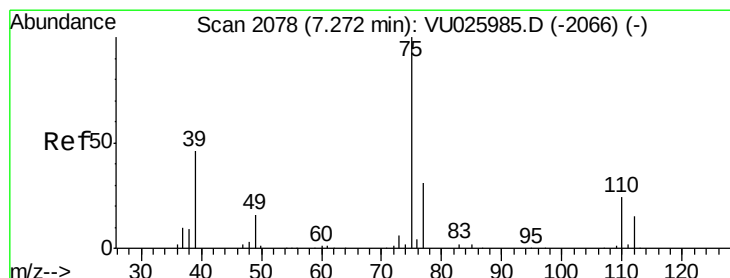
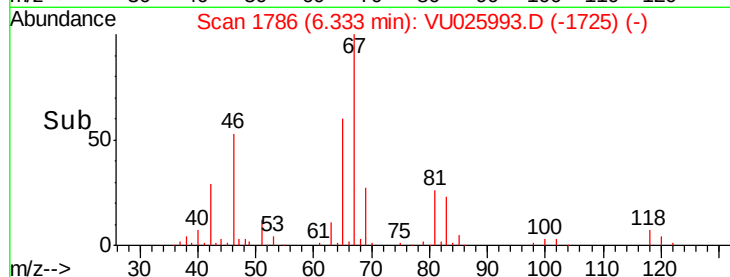
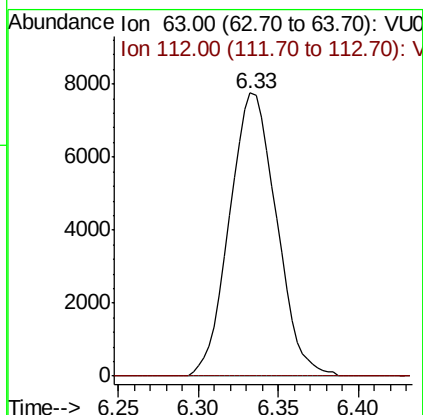
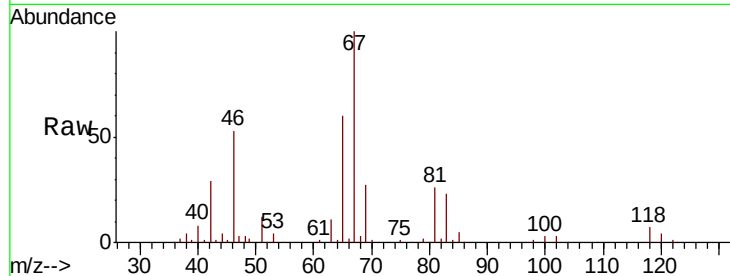




#37
 1,2-Dichloropropane
 Concen: 7.026 ug/L
 RT: 6.33 min Scan# 1786
 Delta R.T. -0.10 min
 Lab File: VU025993.D
 Acq: 09 Aug 2018 13:57

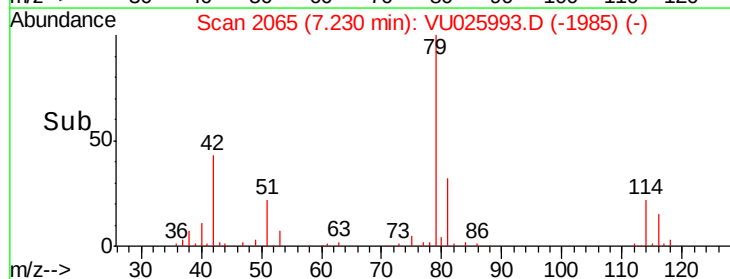
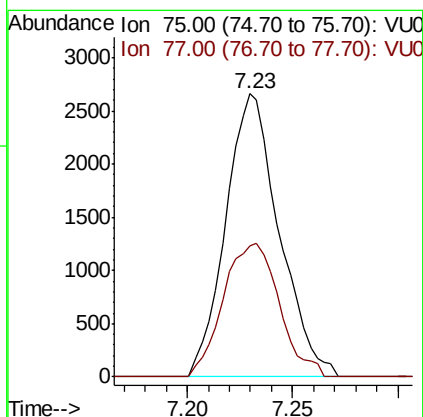
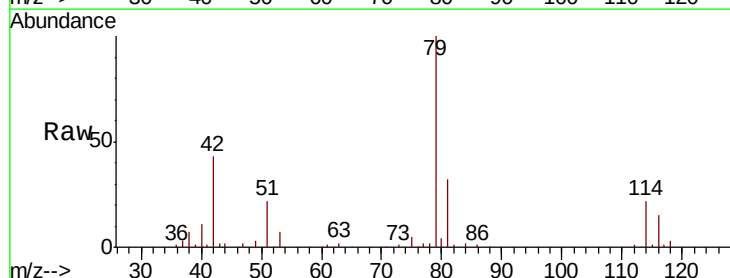
Instrument :
 MSVOA_U
 ClientSampled :

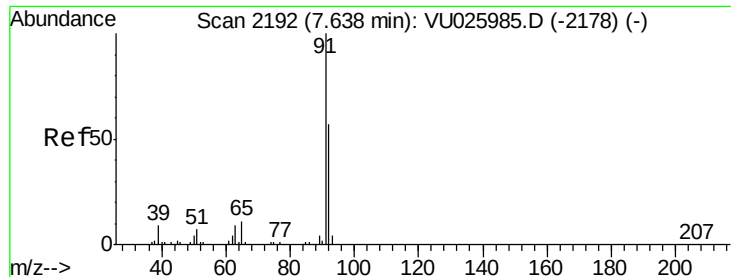
Tot Ion: 63 Resp: 15546
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 1.394 ug/L
 RT: 7.23 min Scan# 2065
 Delta R.T. -0.04 min
 Lab File: VU025993.D
 Acq: 09 Aug 2018 13:57

Tgt Ion: 75 Resp: 4675
 Ion Ratio Lower Upper
 75 100
 77 46.5 22.1 41.1#





#42

Toluene

Concen: 5.259 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025993.D

Acq: 09 Aug 2018 13:57

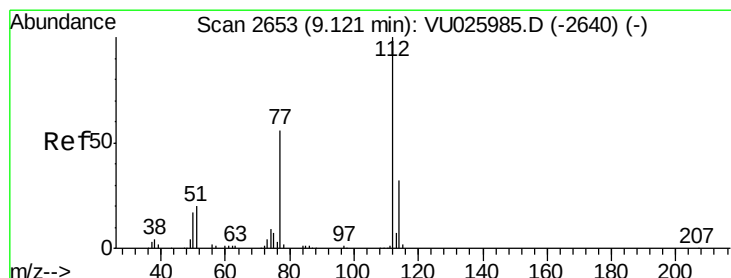
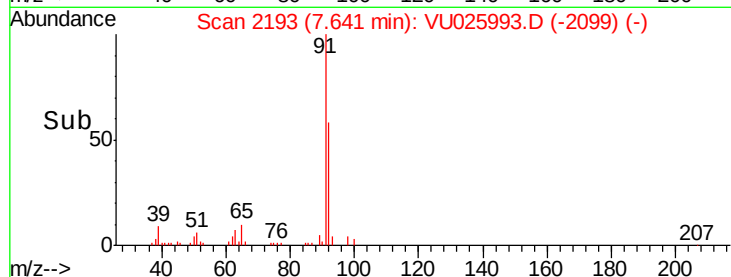
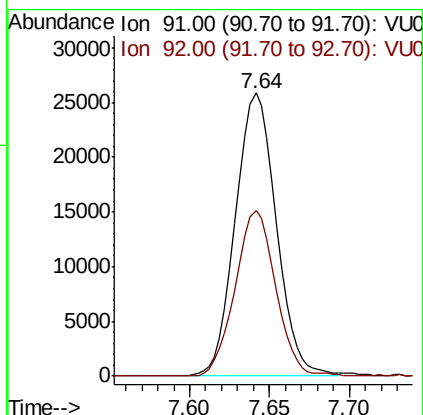
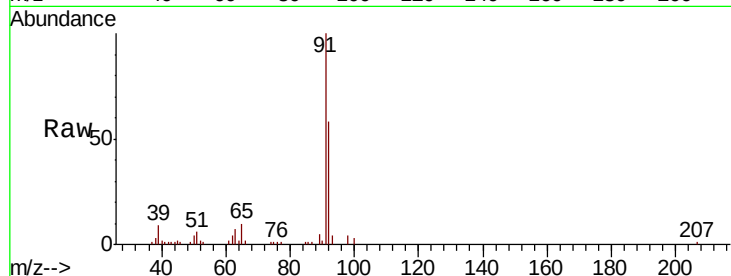
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 45143

Ion Ratio Lower Upper

91 100

92 58.5 41.0 76.2



#51

Chlorobenzene

Concen: 164.283 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU025993.D

Acq: 09 Aug 2018 13:57

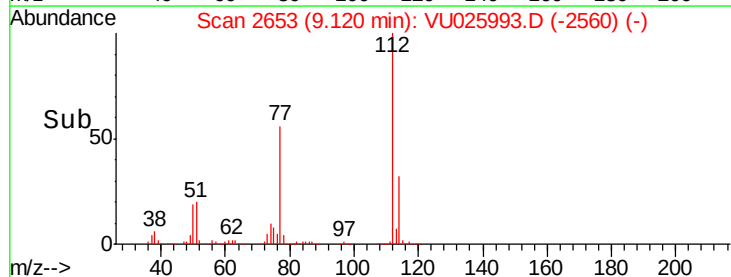
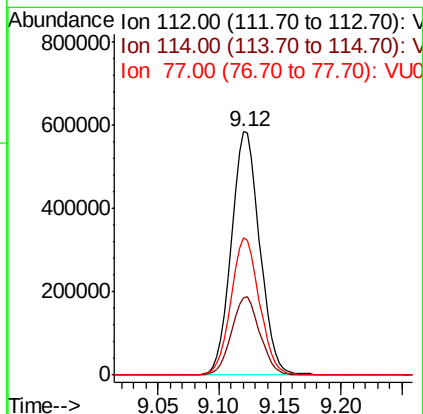
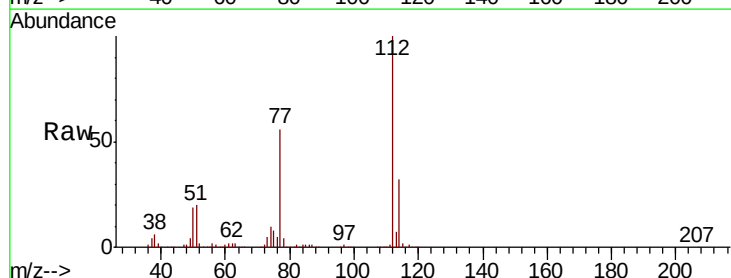
Tgt Ion: 112 Resp: 950780

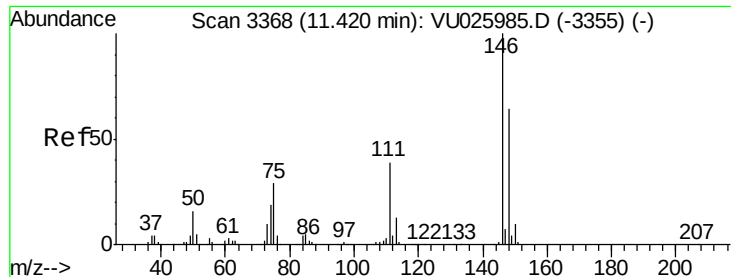
Ion Ratio Lower Upper

112 100

114 32.0 22.7 42.3

77 56.4 45.2 67.8





#62

1,3-Dichlorobenzene

Concen: 26.866 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU025993.D

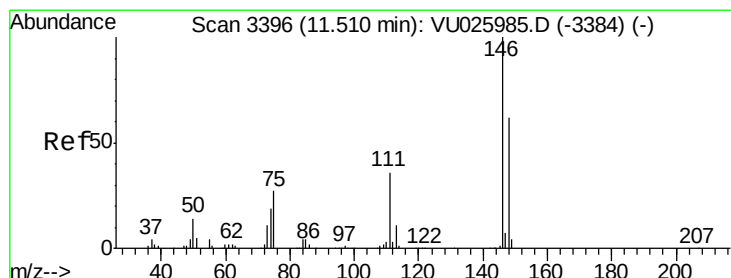
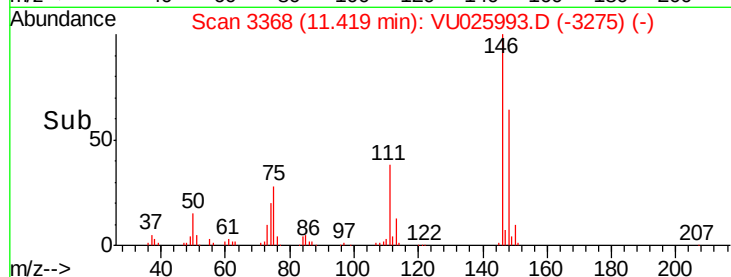
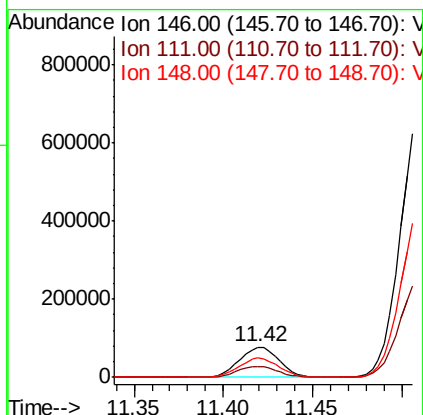
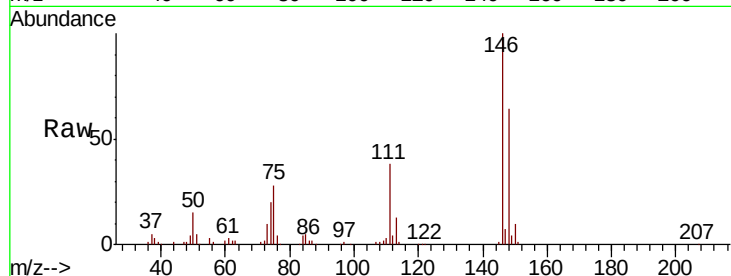
Acq: 09 Aug 2018 13:57

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:146	Resp:	120749
Ion	Ratio	Lower Upper
146	100	
111	37.8	27.9 51.9
148	64.1	46.0 85.4



#63

1,4-Dichlorobenzene

Concen: 225.430 ug/L

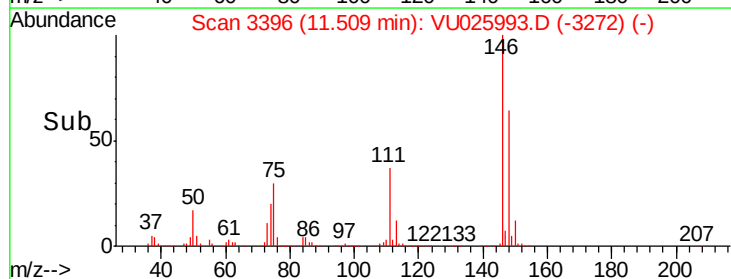
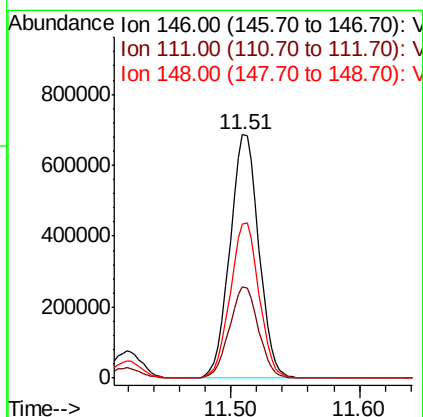
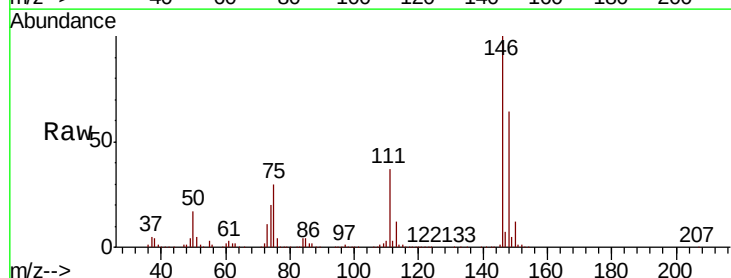
RT: 11.51 min Scan# 3396

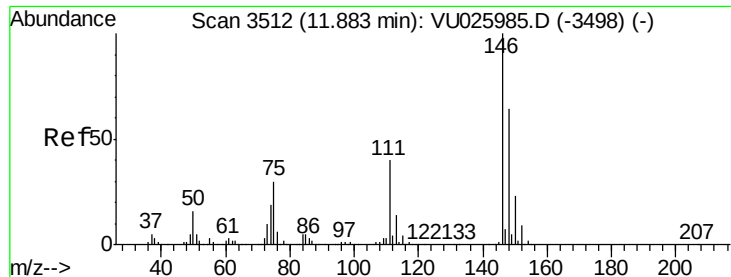
Delta R.T. -0.00 min

Lab File: VU025993.D

Acq: 09 Aug 2018 13:57

Tgt Ion:146	Resp:	1062119
Ion	Ratio	Lower Upper
146	100	
111	37.3	26.4 49.0
148	63.5	43.8 81.4

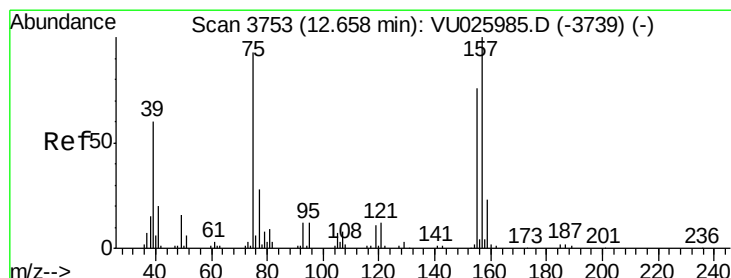
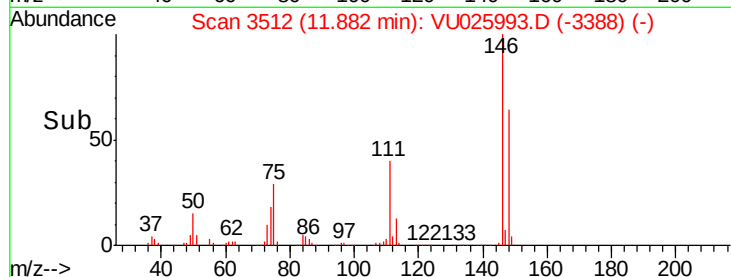
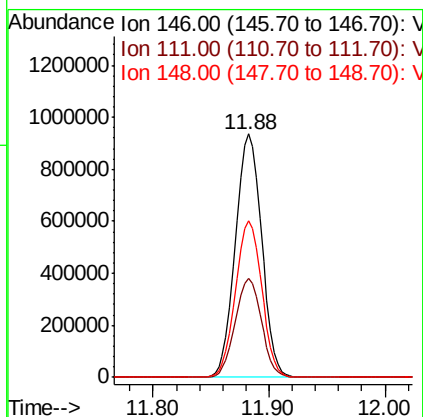
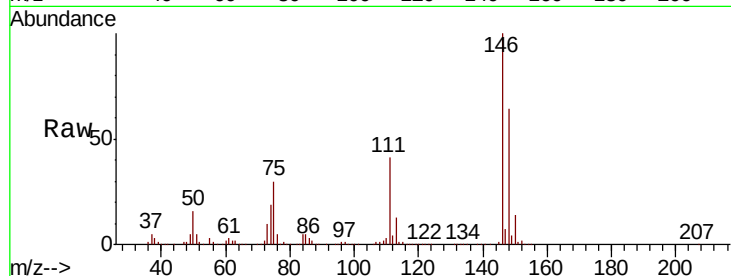




#65
 1,2-Dichlorobenzene
 Concen: 305.641 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025993.D
 Acq: 09 Aug 2018 13:57

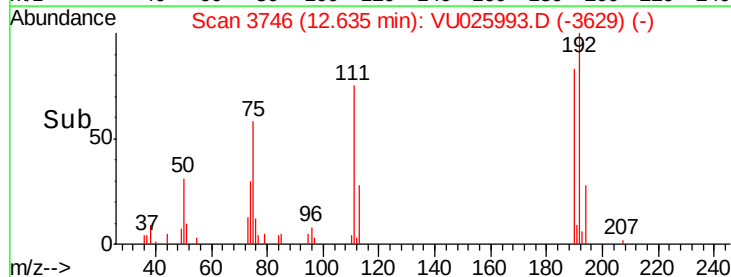
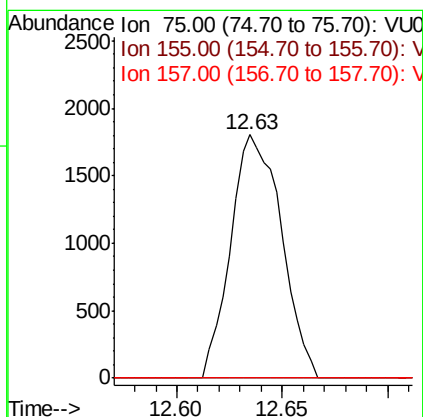
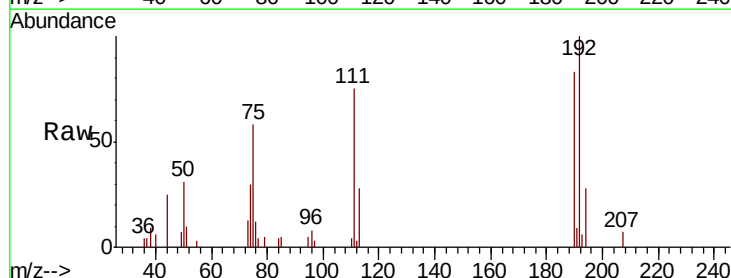
Instrument :
 MSVOA_U
 ClientSampled :

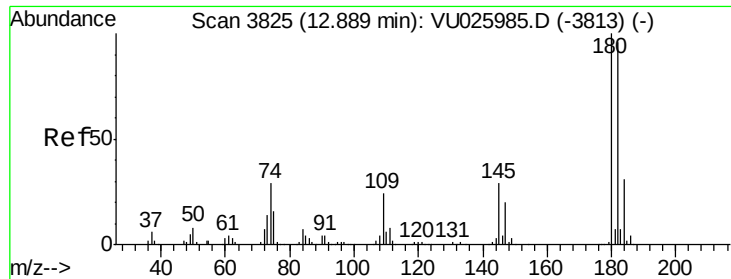
Tot Ion:146 Resp: 1462186
 Ion Ratio Lower Upper
 146 100
 111 40.6 32.4 48.6
 148 64.2 50.1 75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.582 ug/L
 RT: 12.63 min Scan# 3746
 Delta R.T. -0.02 min
 Lab File: VU025993.D
 Acq: 09 Aug 2018 13:57

Tgt Ion: 75 Resp: 3008
 Ion Ratio Lower Upper
 75 100
 155 0.0 71.8 107.8#
 157 0.0 93.0 139.6#

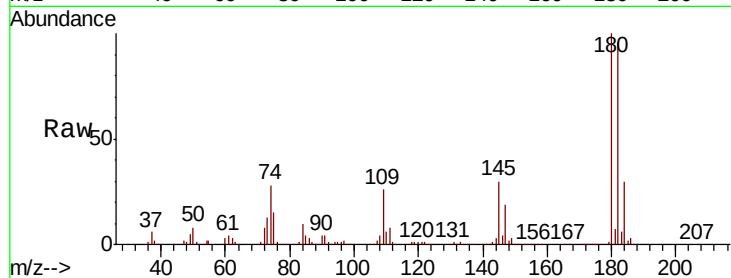




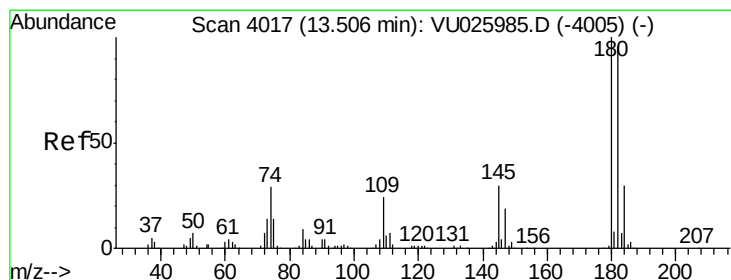
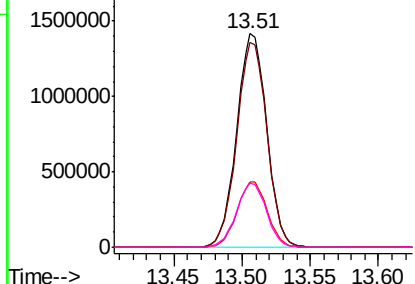
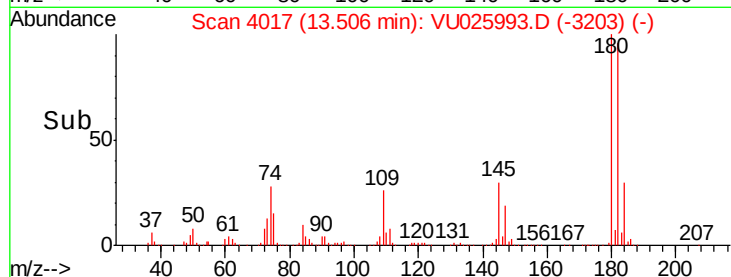
#67
 1,3,5-Trichlorobenzene
 Concen: 645.655 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.62 min
 Lab File: VU025993.D
 Acq: 09 Aug 2018 13:57

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 2168812
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.5 114.7
 184 30.6 24.3 36.5
 145 30.1 23.5 35.3

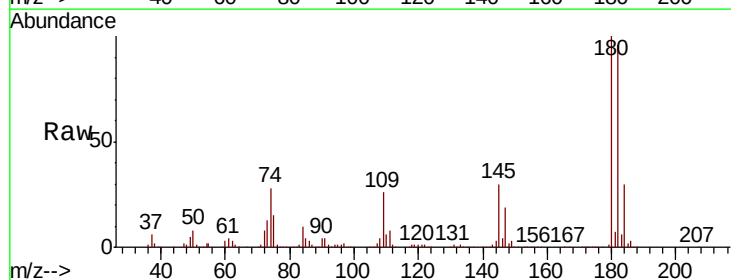


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

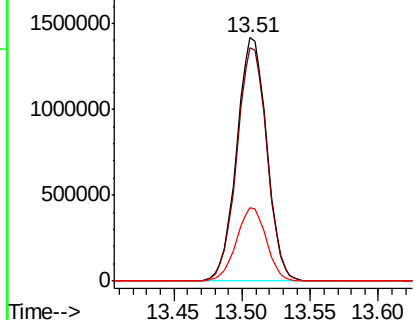
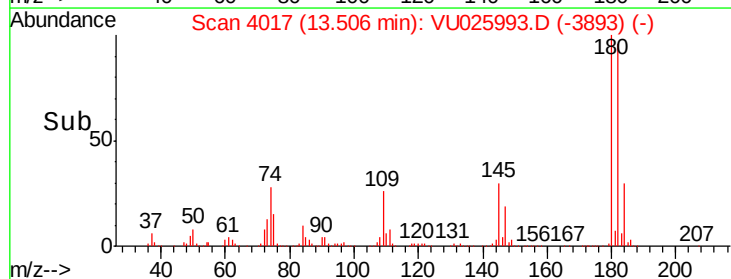


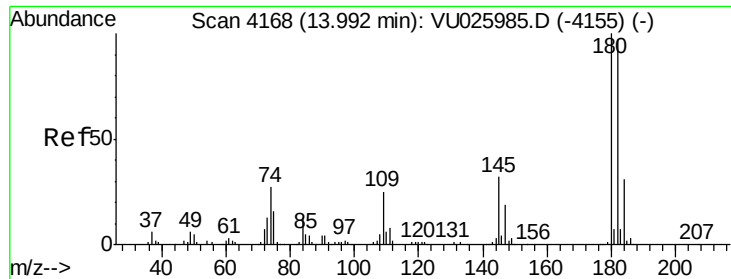
#68
 1,2,4-trichlorobenzene
 Concen: 763.507 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025993.D
 Acq: 09 Aug 2018 13:57

Tgt Ion:180 Resp: 2168812
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.5 114.7
 145 30.1 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

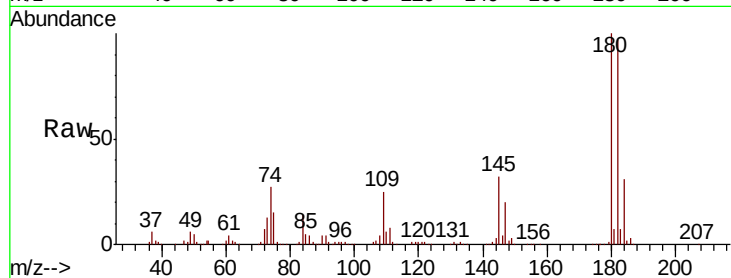




#70
 1,2,3-Trichlorobenzene
 Concen: 168.743 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. -0.00 min
 Lab File: VU025993.D
 Acq: 09 Aug 2018 13:57

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
180	180	100		
182	182	96.5	76.5	114.7
145	145	31.8	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

