

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 :
 A4ZB5

Quant Time: Aug 10 05:52:15 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

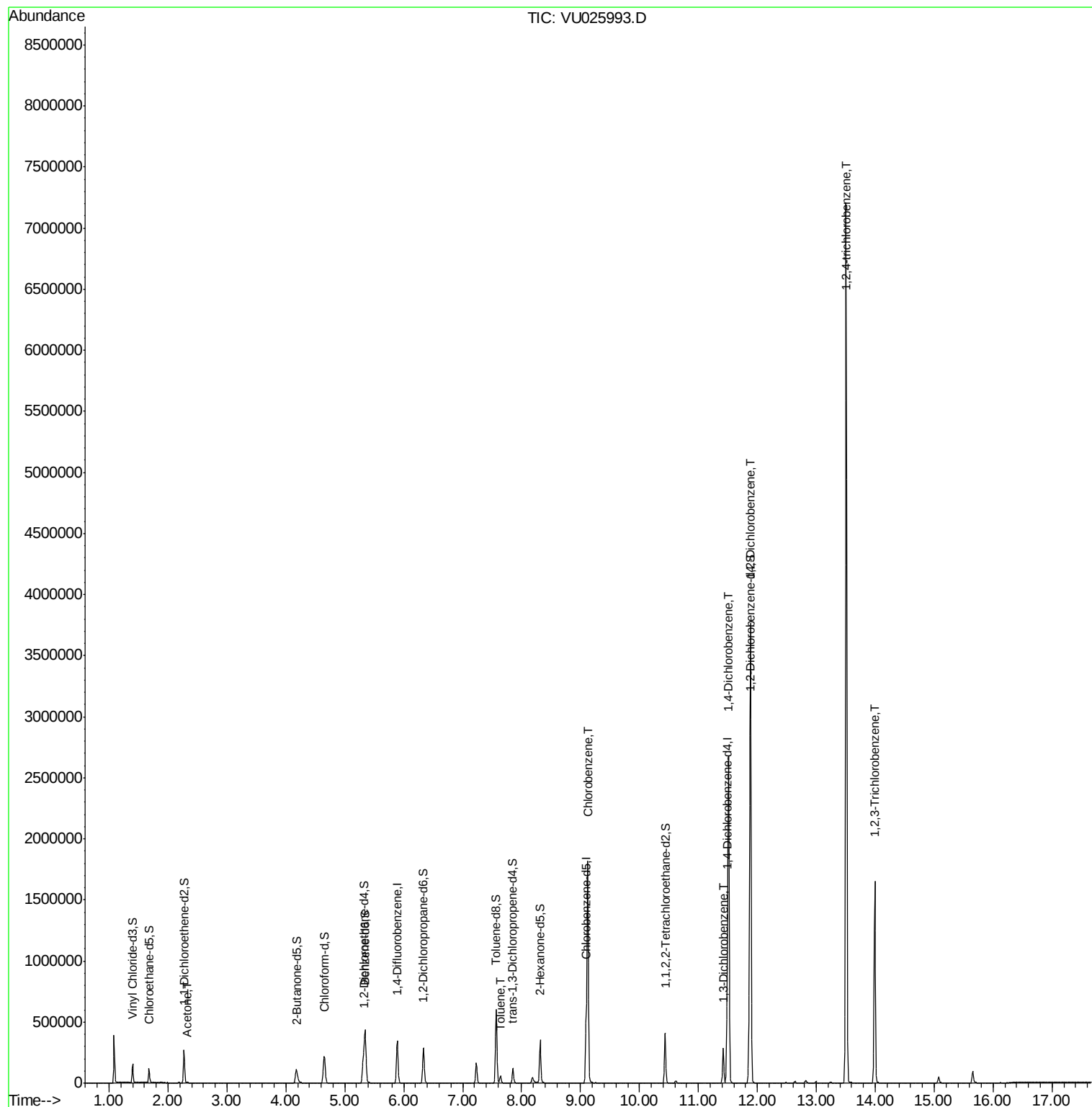
						Ovalue
13) Acetone	2.32	43	7787	6.94	ug/L	98
42) Toluene	7.64	91	45143	5.26	ug/L	100
51) Chlorobenzene	9.12	112	950780	164.28	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	120749	26.87	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	1062119	225.43	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	1462186	305.64	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	2168812	763.51	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	515185	168.74	ug/L	99

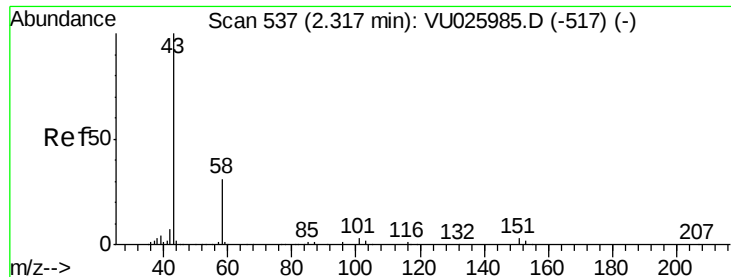
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 6.94 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU025993.D

Acq: 09 Aug 2018 13:57

Instrument :

MSVOA_U

ClientSampleId :

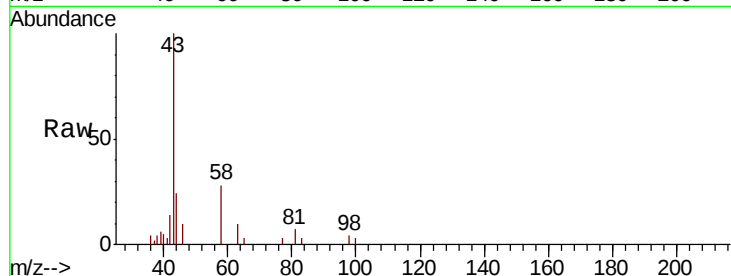
A4ZB5

Tot Ion: 43 Resp: 7787

Ion Ratio Lower Upper

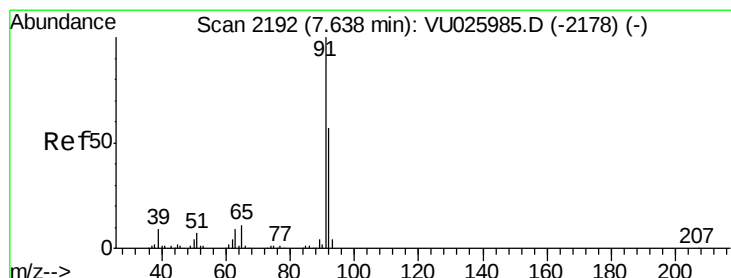
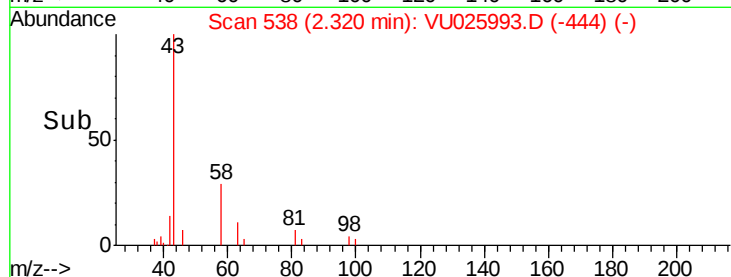
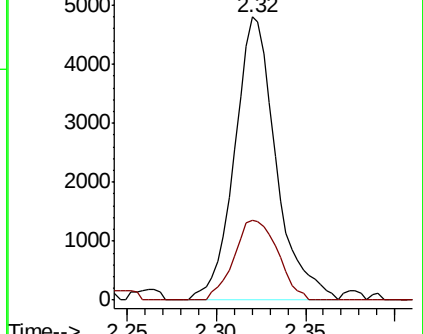
43 100

58 29.7 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VU025985.D (-517) (-)

Ion 58.00 (57.70 to 58.70): VU025985.D (-517) (-)



#42

Toluene

Concen: 5.26 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025993.D

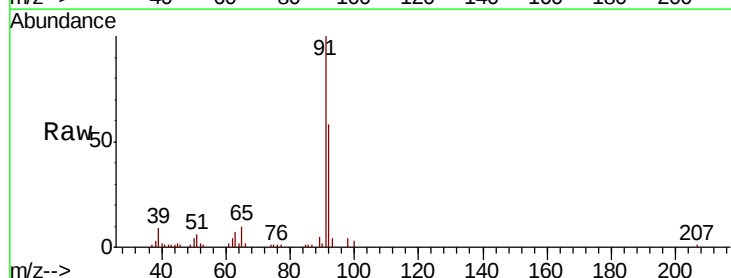
Acq: 09 Aug 2018 13:57

Tgt Ion: 91 Resp: 45143

Ion Ratio Lower Upper

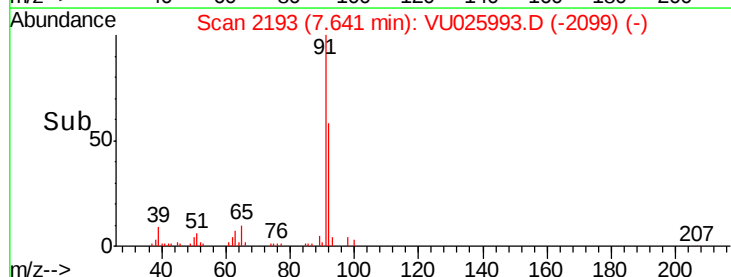
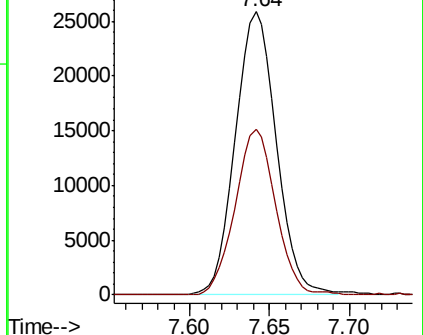
91 100

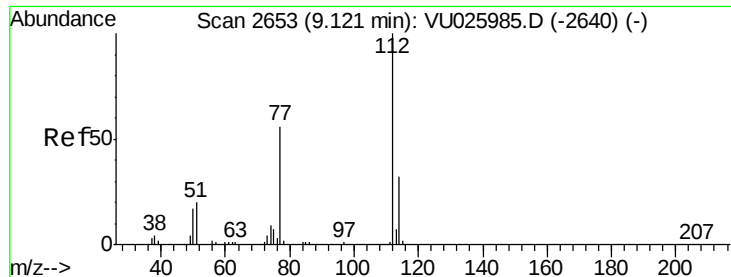
92 58.5 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VU025985.D (-2178) (-)

Ion 92.00 (91.70 to 92.70): VU025985.D (-2178) (-)

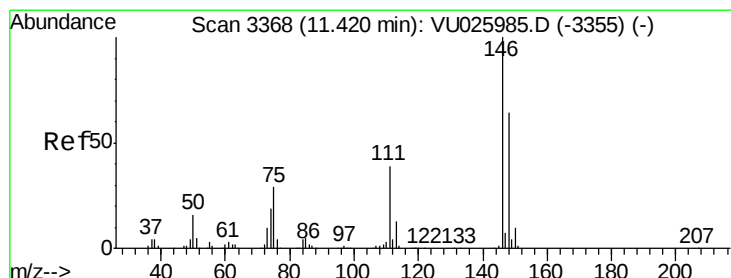
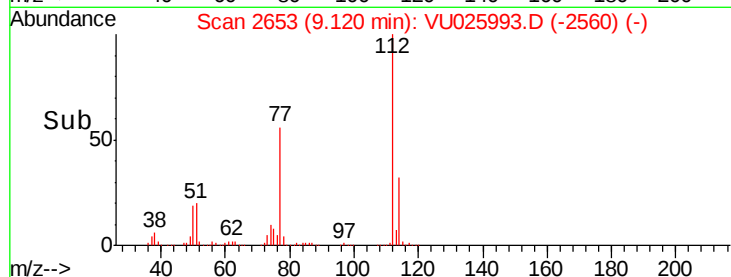
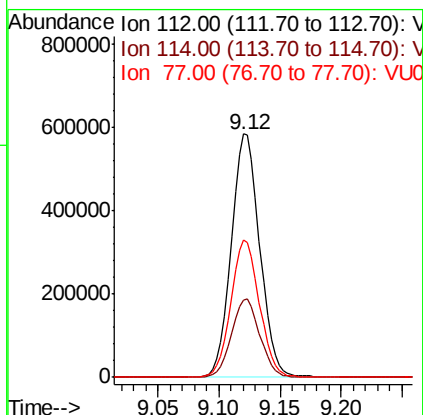
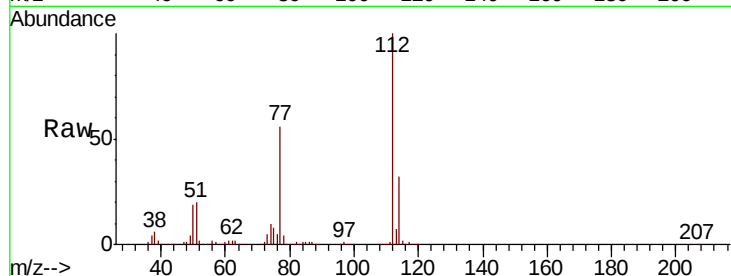




#51
Chlorobenzene
Concen: 164.28 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025993.D
Acq: 09 Aug 2018 13:57

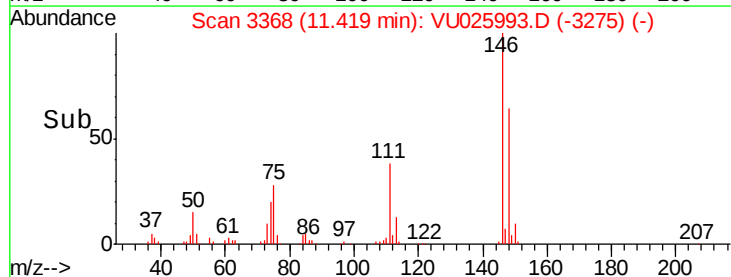
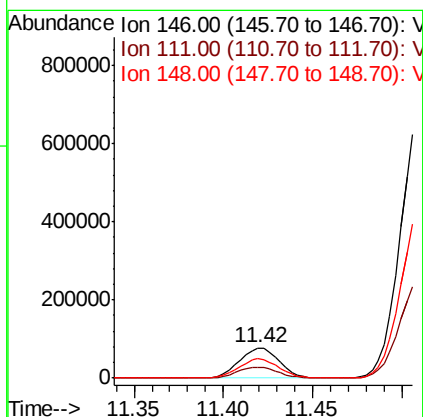
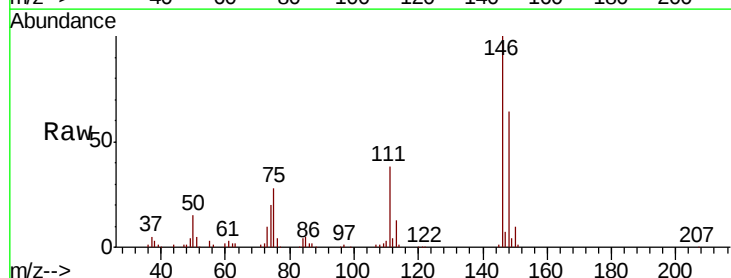
Instrument :
MSVOA_U
ClientSampleId :
A4ZB5

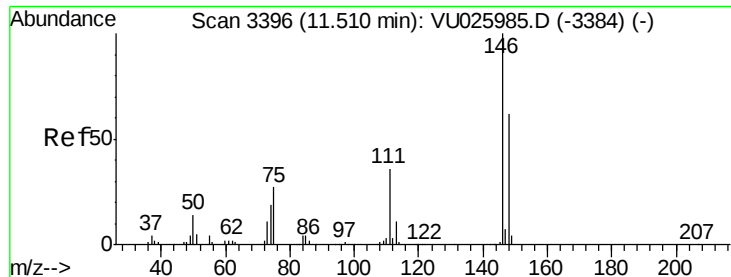
Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.7	42.3
77	56.4	45.2	67.8



#62
1,3-Dichlorobenzene
Concen: 26.87 ug/L
RT: 11.42 min Scan# 3368
Delta R.T. -0.00 min
Lab File: VU025993.D
Acq: 09 Aug 2018 13:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	27.9	51.9
148	64.1	46.0	85.4

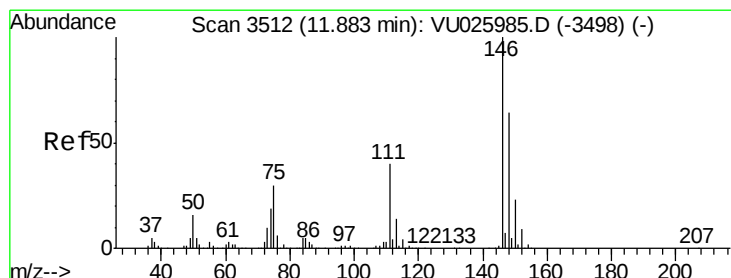
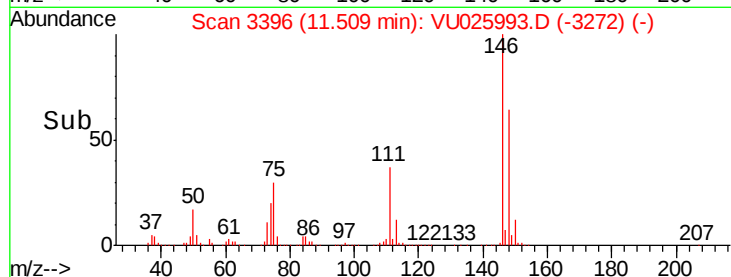
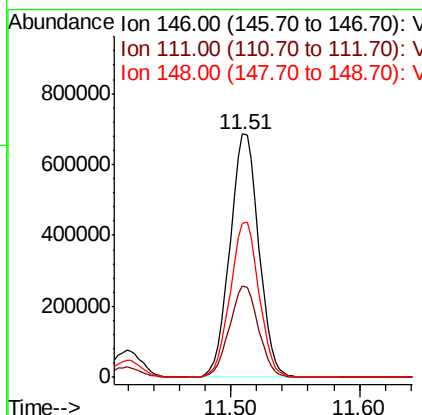
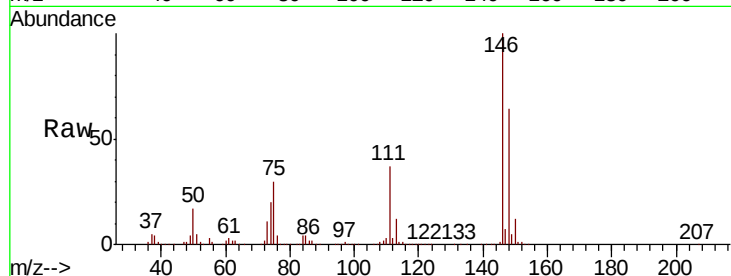




#63
 1,4-Dichlorobenzene
 Concen: 225.43 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU025993.D
 Acq: 09 Aug 2018 13:57

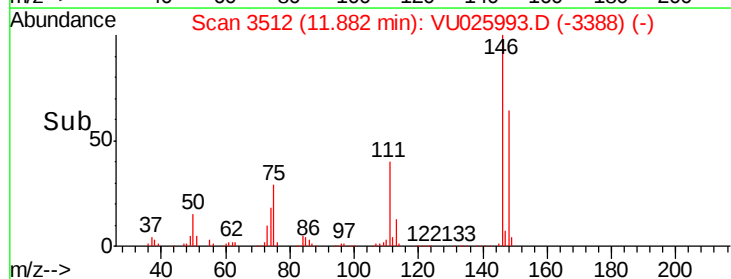
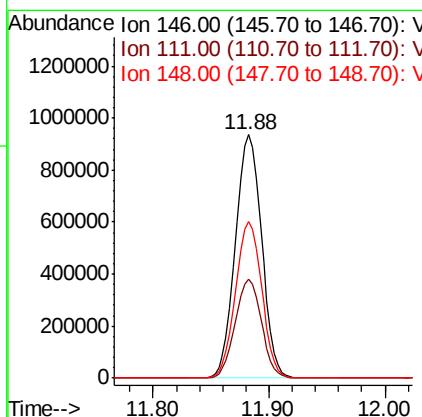
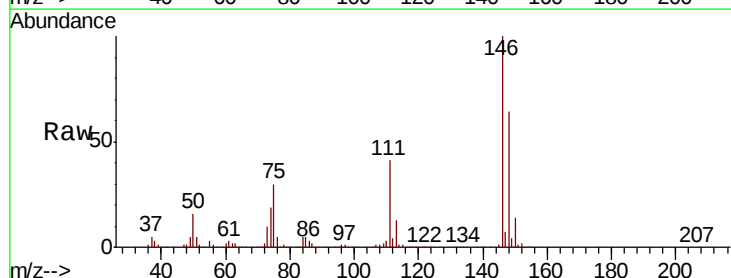
Instrument :
 MSVOA_U
 ClientSampled :
 A4ZB5

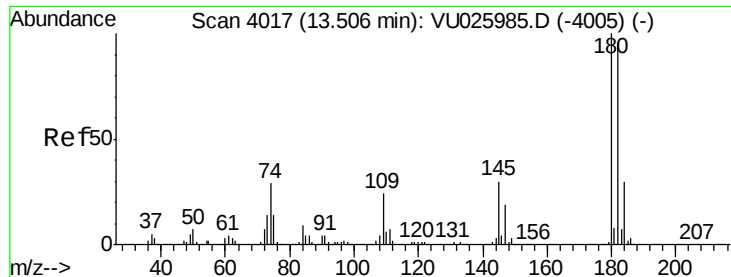
Tot Ion:146 Resp: 1062119
 Ion Ratio Lower Upper
 146 100
 111 37.3 26.4 49.0
 148 63.5 43.8 81.4



#65
 1,2-Dichlorobenzene
 Concen: 305.64 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025993.D
 Acq: 09 Aug 2018 13:57

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

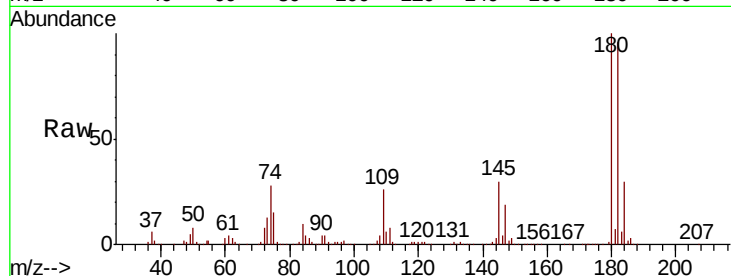




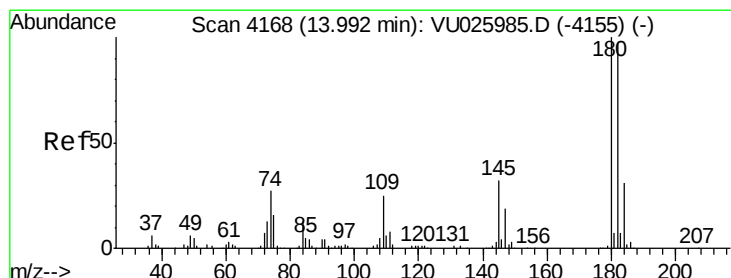
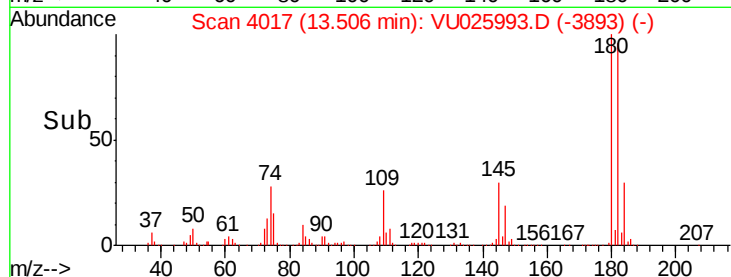
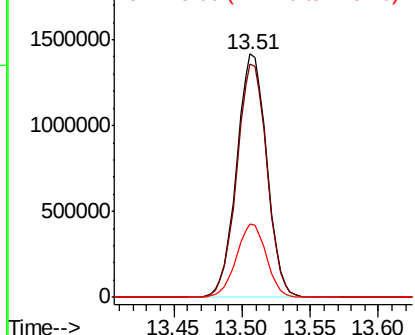
#68
 1,2,4-trichlorobenzene
 Concen: 763.51 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025993.D
 Acq: 09 Aug 2018 13:57

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZB5

Tot Ion:180 Resp: 2168812
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.5 114.7
 145 30.1 24.2 36.4

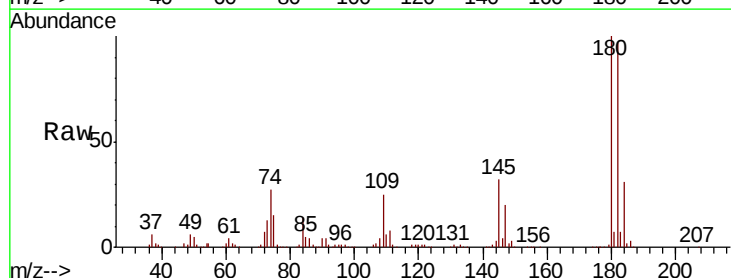


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 168.74 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. -0.00 min
 Lab File: VU025993.D
 Acq: 09 Aug 2018 13:57

Tgt Ion:180 Resp: 515185
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.5 114.7
 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

