

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
 Data File : VU025991.D
 Acq On : 09 Aug 2018 13:09
 Operator : MD/SY
 Sample : J4361-04 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 10 05:16:21 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	299806	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	280370	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	120042	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	104694	47.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.54%
7) Chloroethane-d5	1.68	69	86626	49.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.72%
11) 1,1-Dichloroethene-d2	2.27	63	152931	36.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.46%
21) 2-Butanone-d5	4.18	46	176842	96.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.82%
24) Chloroform-d	4.65	84	226156	48.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.34%
26) 1,2-Dichloroethane-d4	5.31	65	157497	50.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.34%
32) Benzene-d6	5.35	84	446394	51.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.54%
36) 1,2-Dichloropropane-d6	6.33	67	142701	50.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.32%
41) Toluene-d8	7.57	98	407569	48.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.86%
43) trans-1,3-Dichloropropene-	7.85	79	72390	51.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.00%
47) 2-Hexanone-d5	8.31	63	129185	100.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.97%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	202078	49.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.10%
64) 1,2-Dichlorobenzene-d4	11.86	152	159326	53.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.68%

Target Compounds

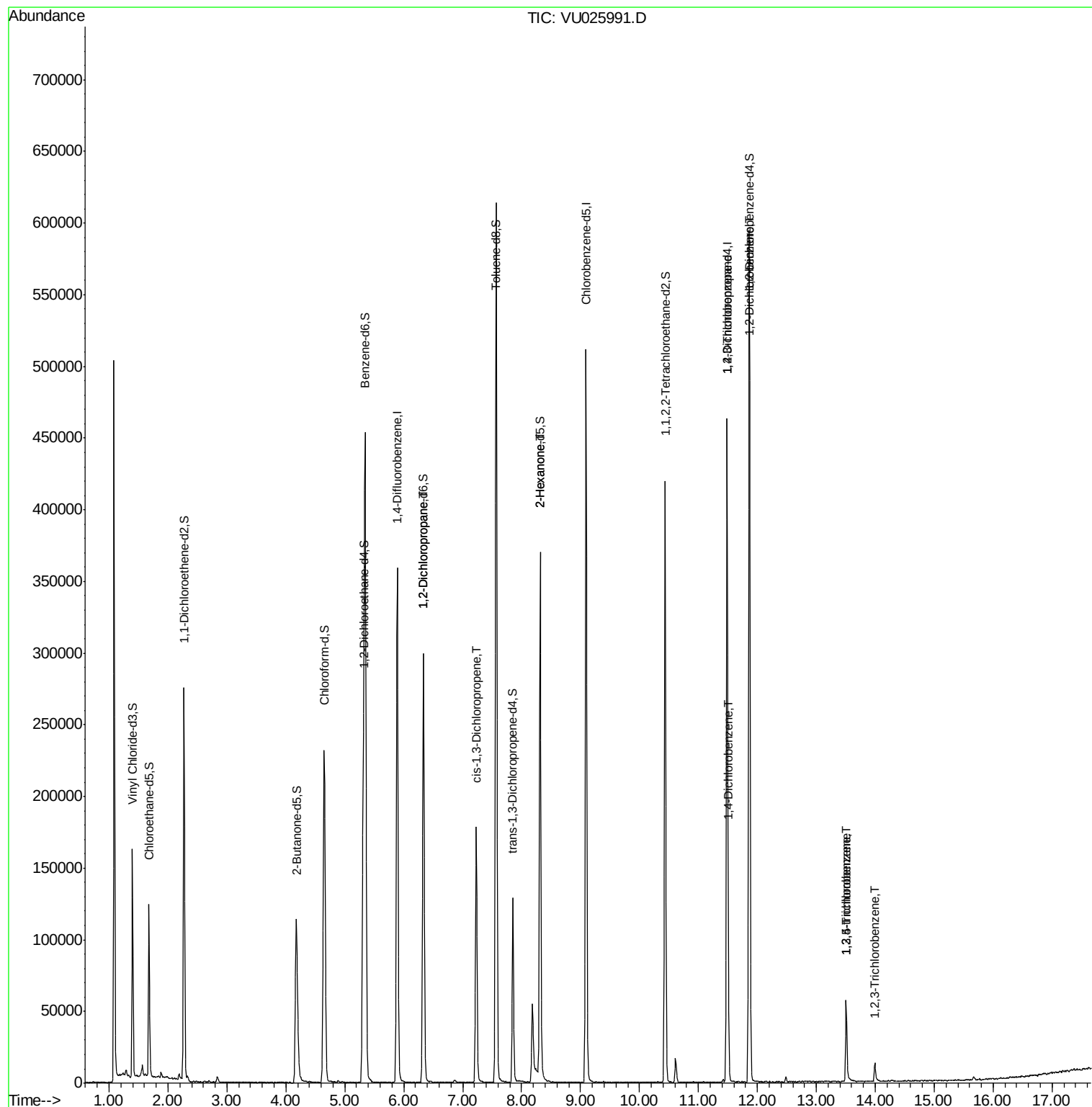
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
37) 1,2-Dichloropropane	6.33	63	16020	7.332	ug/L #	88
39) cis-1,3-Dichloropropene	7.23	75	4706	1.421	ug/L #	77
48) 2-Hexanone	8.31	43	15004	6.415	ug/L #	65
59) 1,2,3-Trichloropropane	11.49	75	16126	5.722	ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	8184	2.089	ug/L	89
65) 1,2-Dichlorobenzene	11.88	146	7133	1.793	ug/L	93
67) 1,3,5-Trichlorobenzene	13.51	180	20207	7.235	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	20207	8.555	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	5873	2.313	ug/L	96

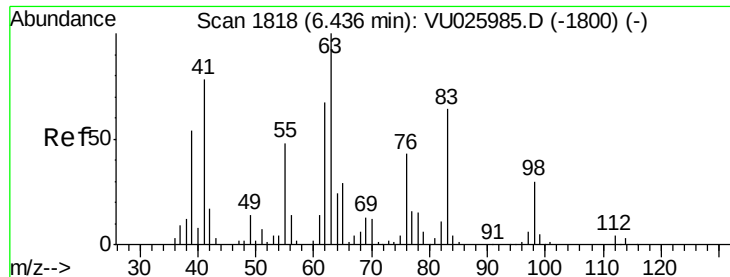
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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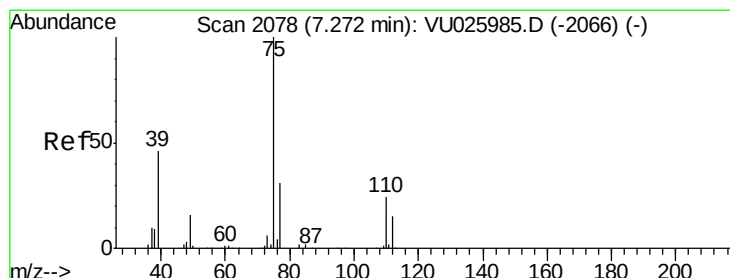
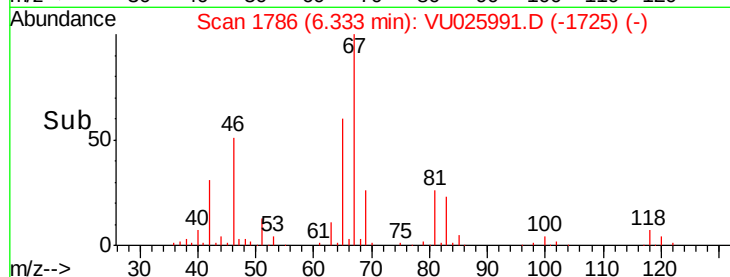
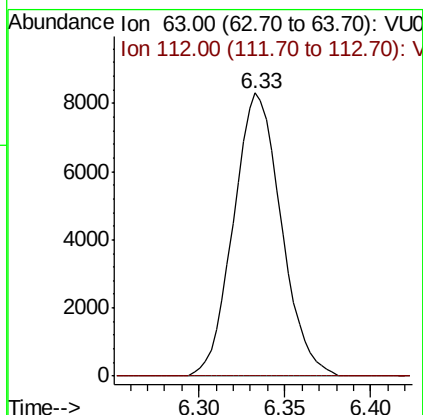
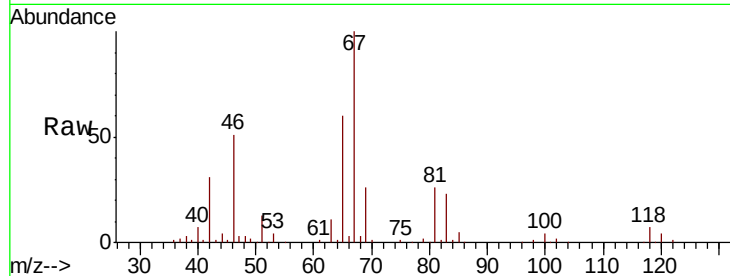




#37
 1,2-Dichloropropane
 Concen: 7.332 ug/L
 RT: 6.33 min Scan# 1786
 Delta R.T. -0.10 min
 Lab File: VU025991.D
 Acq: 09 Aug 2018 13:09

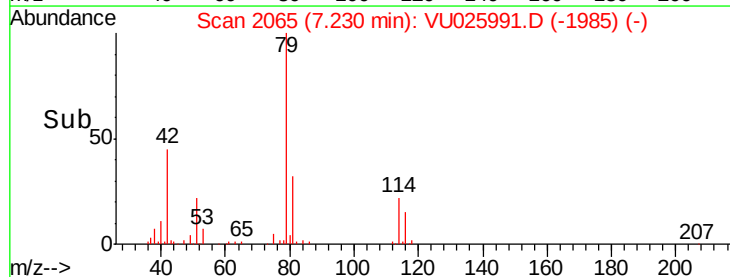
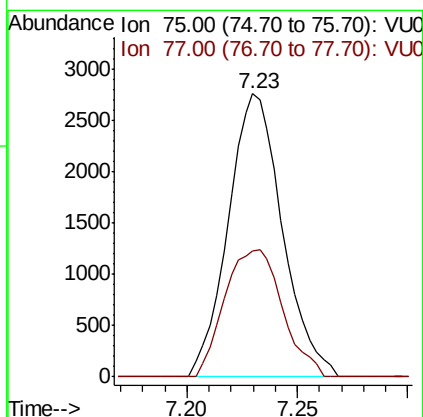
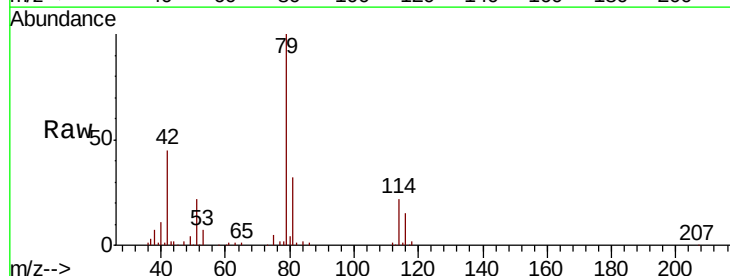
Instrument :
 MSVOA_U
 ClientSampleId :

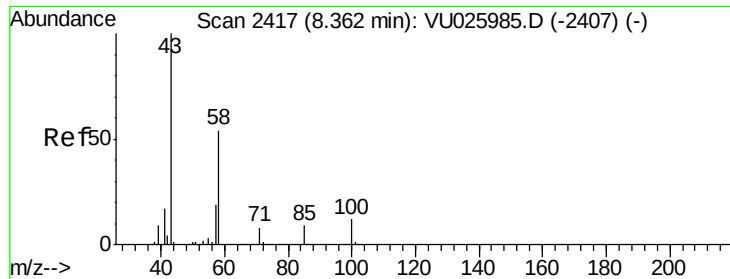
Tot Ion: 63 Resp: 16020
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 1.421 ug/L
 RT: 7.23 min Scan# 2065
 Delta R.T. -0.04 min
 Lab File: VU025991.D
 Acq: 09 Aug 2018 13:09

Tgt Ion: 75 Resp: 4706
 Ion Ratio Lower Upper
 75 100
 77 44.5 22.1 41.1#

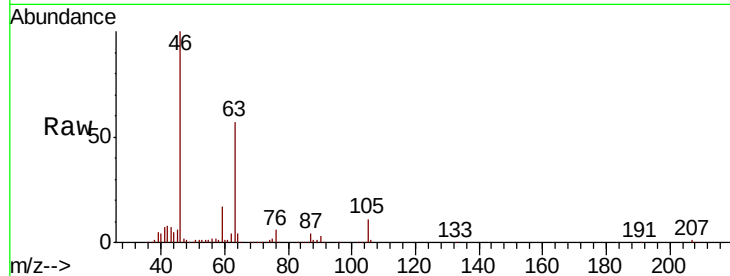




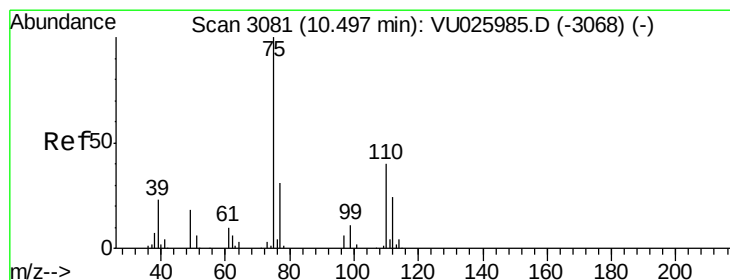
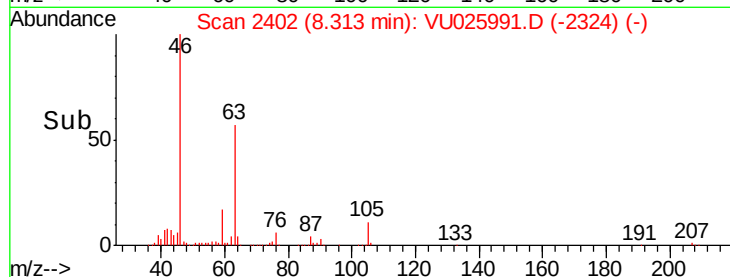
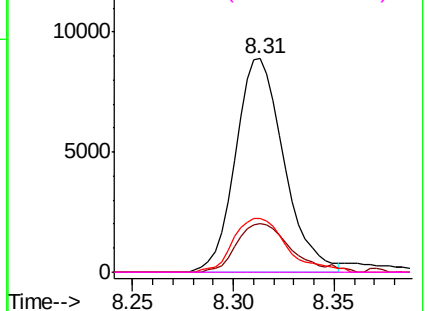
#48
2-Hexanone
Concen: 6.415 ug/L
RT: 8.31 min Scan# 2402
Delta R.T. -0.05 min
Lab File: VU025991.D
Acq: 09 Aug 2018 13:09

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 15004
Ion Ratio Lower Upper
43 100
58 24.6 43.6 65.4#
57 27.8 15.1 22.7#
100 0.0 9.3 13.9#

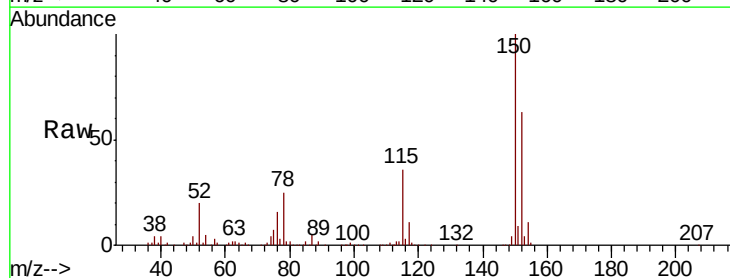


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

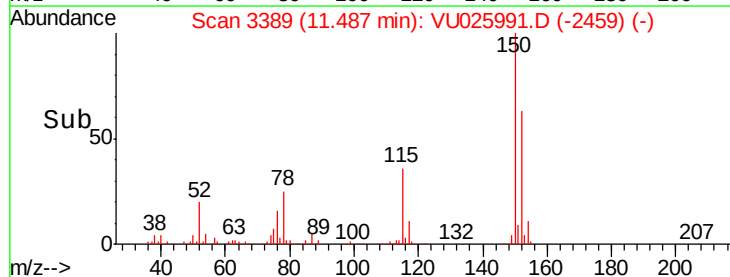
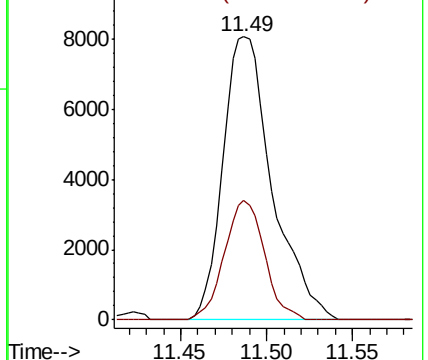


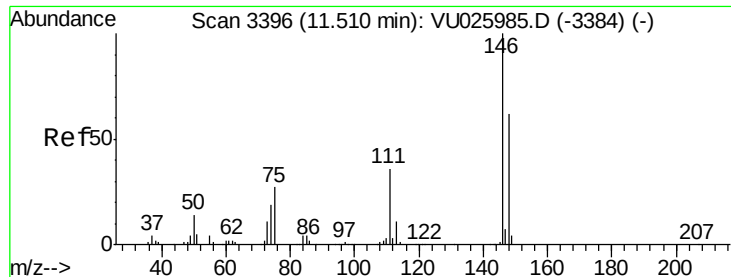
#59
1,2,3-Trichloropropane
Concen: 5.722 ug/L
RT: 11.49 min Scan# 3389
Delta R.T. 0.99 min
Lab File: VU025991.D
Acq: 09 Aug 2018 13:09

Tgt Ion: 75 Resp: 16126
Ion Ratio Lower Upper
75 100
77 34.5 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#63

1,4-Dichlorobenzene

Concen: 2.089 ug/L

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU025991.D

Acq: 09 Aug 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

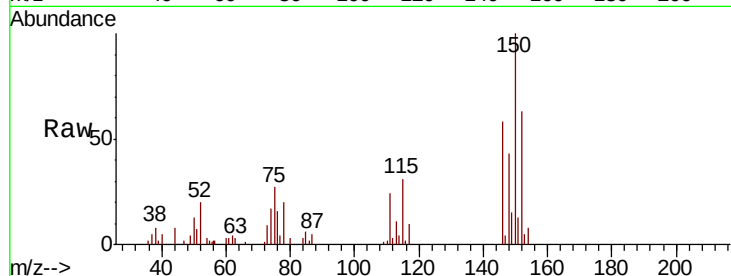
Tot Ion:146 Resp: 8184

Ion Ratio Lower Upper

146 100

111 41.3 26.4 49.0

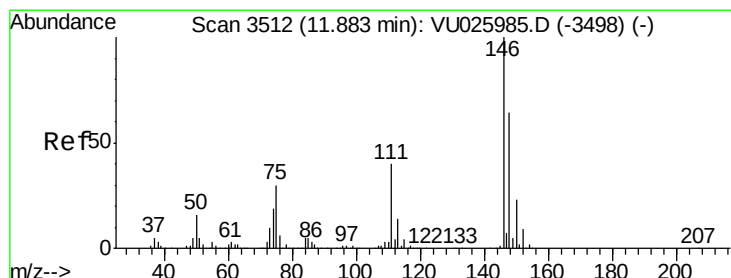
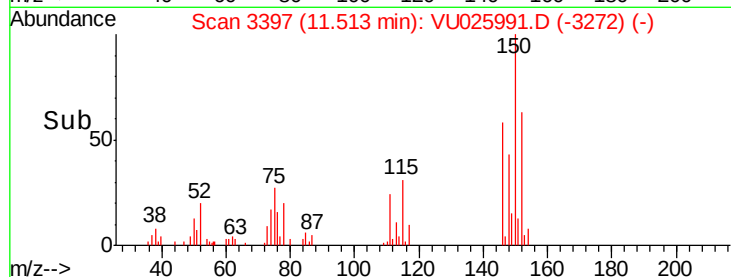
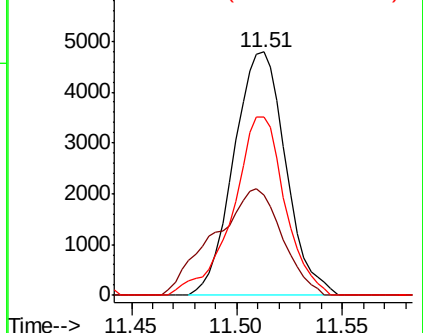
148 73.4 43.8 81.4



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: 1.793 ug/L

RT: 11.88 min Scan# 3511

Delta R.T. -0.00 min

Lab File: VU025991.D

Acq: 09 Aug 2018 13:09

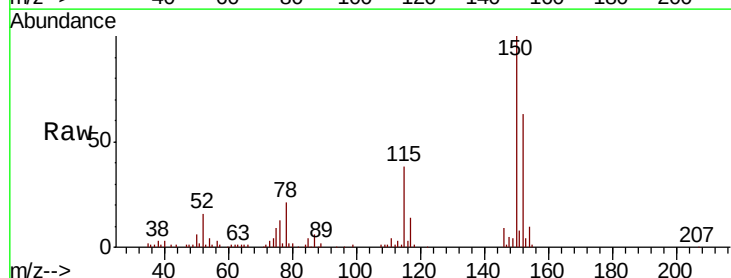
Tgt Ion:146 Resp: 7133

Ion Ratio Lower Upper

146 100

111 48.0 32.4 48.6

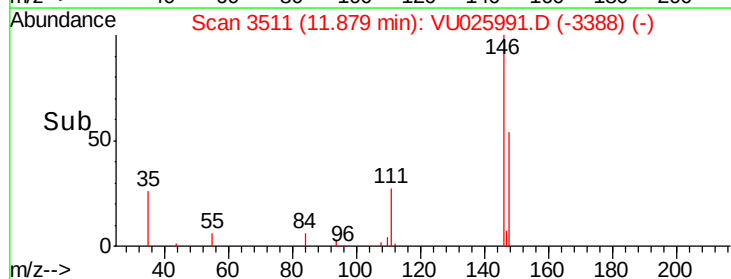
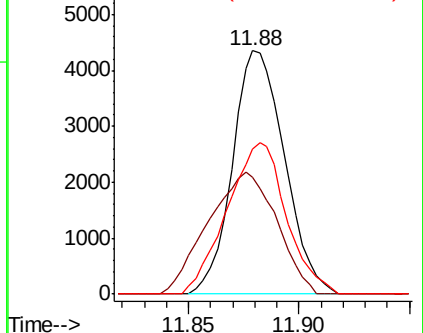
148 59.5 50.1 75.1

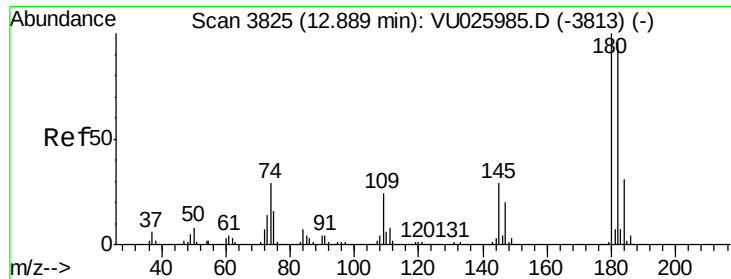


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

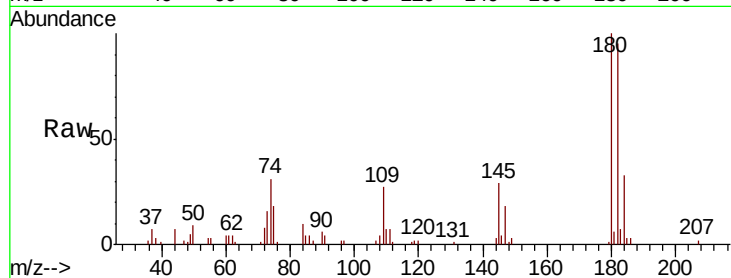




#67
 1,3,5-Trichlorobenzene
 Concen: 7.235 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.62 min
 Lab File: VU025991.D
 Acq: 09 Aug 2018 13:09

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	76.5	114.7
184	30.0	24.3	36.5
145	26.6	23.5	35.3



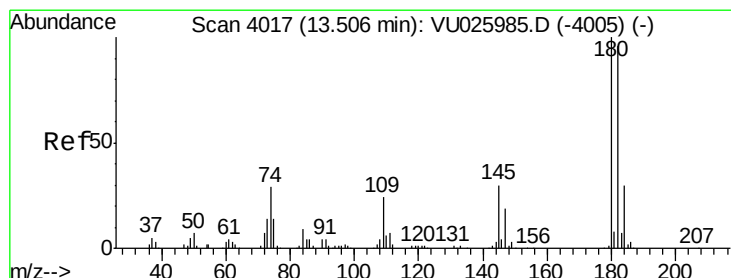
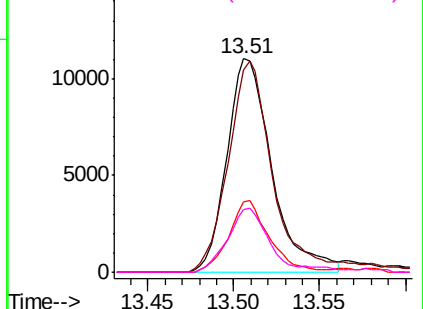
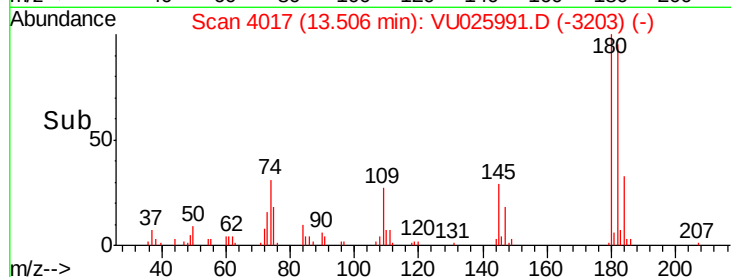
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

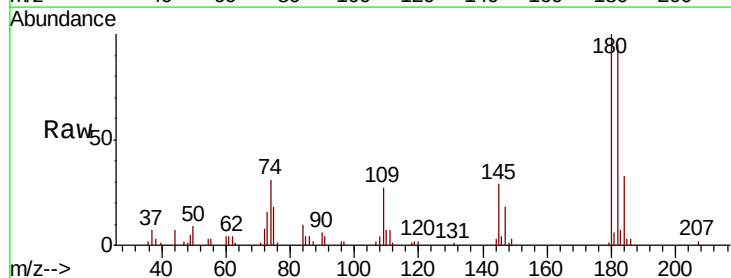
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 8.555 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025991.D
 Acq: 09 Aug 2018 13:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	76.5	114.7
145	26.6	24.2	36.4

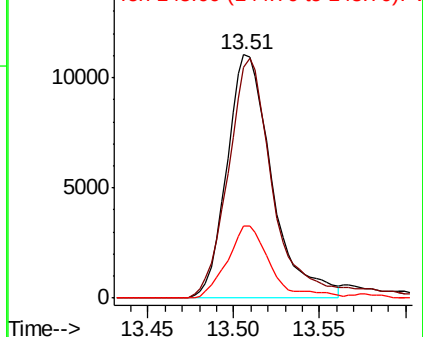
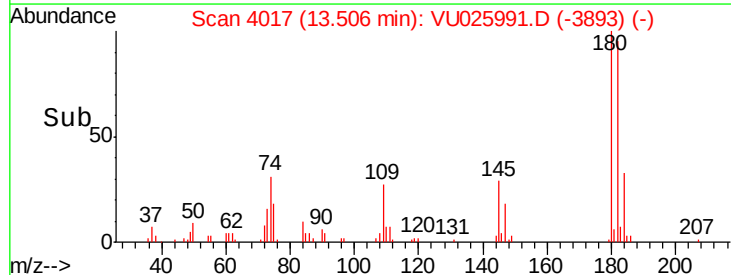


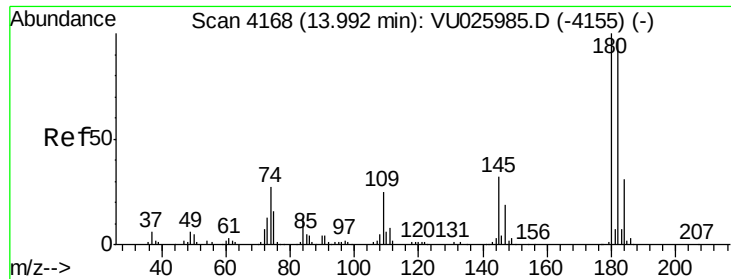
Abundance

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

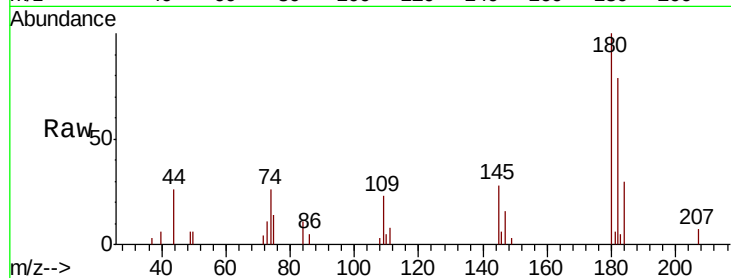




#70
 1,2,3-Trichlorobenzene
 Concen: 2.313 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. -0.00 min
 Lab File: VU025991.D
 Acq: 09 Aug 2018 13:09

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
180	180	100		
182	182	91.3	76.5	114.7
145	145	29.4	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

