

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
 Data File : VU026008.D
 Acq On : 09 Aug 2018 20:02
 Operator : MD/SY
 Sample : J4361-15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 10 05:18:43 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	303956	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	287616	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	140924	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	89194	40.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.28%
7) Chloroethane-d5	1.68	69	77961	44.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.52%
11) 1,1-Dichloroethene-d2	2.27	63	146180	34.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.24%
21) 2-Butanone-d5	4.18	46	173043	93.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.45%
24) Chloroform-d	4.65	84	214794	45.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.18%
26) 1,2-Dichloroethane-d4	5.31	65	148872	46.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.56%
32) Benzene-d6	5.35	84	410783	45.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.98%
36) 1,2-Dichloropropane-d6	6.33	67	136108	47.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.20%
41) Toluene-d8	7.57	98	374584	43.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.68%
43) trans-1,3-Dichloropropene-	7.85	79	64560	44.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.68%
47) 2-Hexanone-d5	8.31	63	124021	94.49	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.49%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	193547	45.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	164159	47.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.50%

Target Compounds

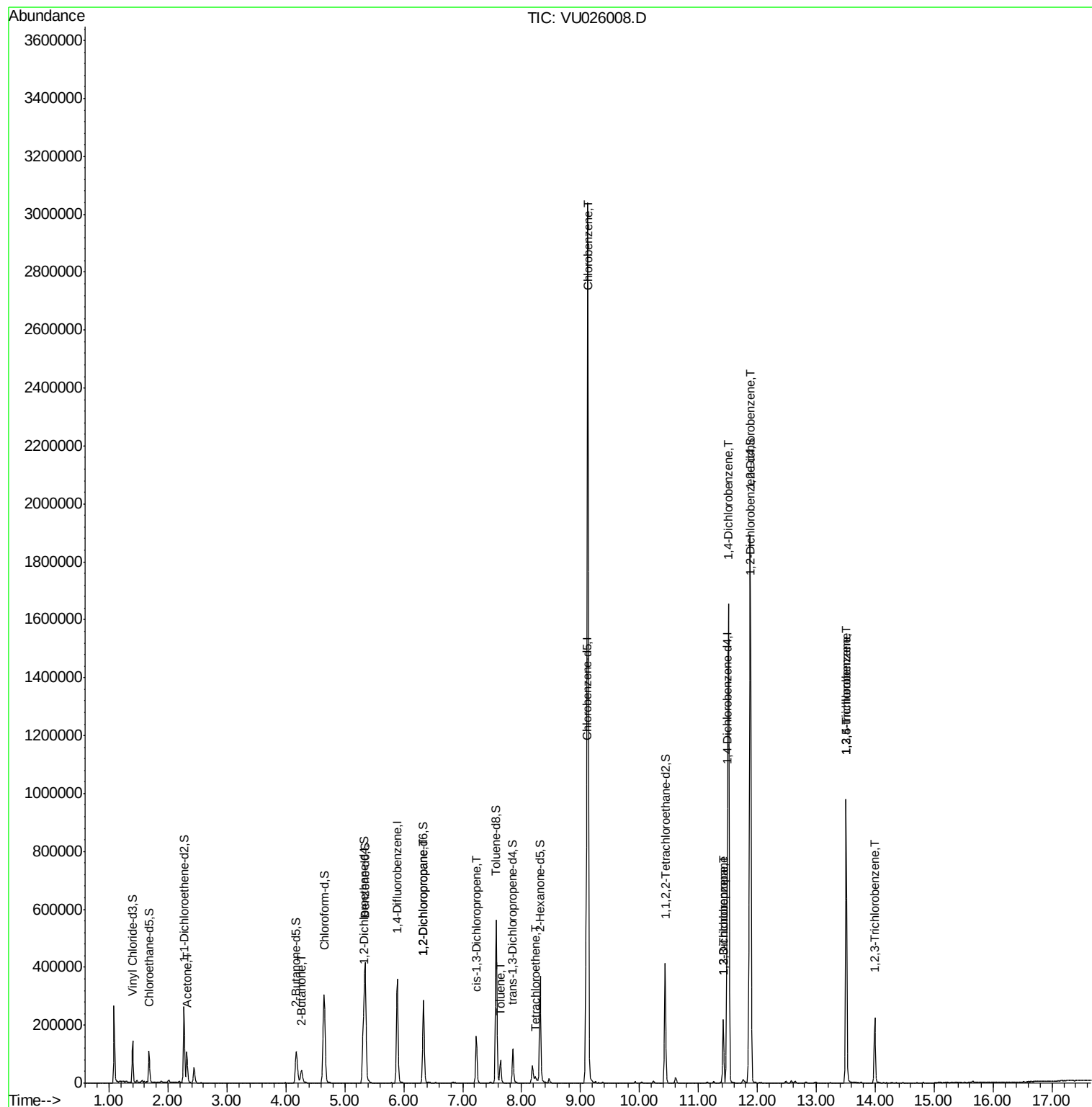
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	110879	96.388	ug/L	100
22) 2-Butanone	4.27	43	66664	40.051	ug/L	98
37) 1,2-Dichloropropane	6.34	63	14961	6.675	ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	4209	1.239	ug/L #	72
42) Toluene	7.64	91	56535	6.502	ug/L	95
46) Tetrachloroethene	8.23	164	3197	1.755	ug/L	86
51) Chlorobenzene	9.12	112	1611954	274.946	ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	25736	8.903	ug/L #	44
62) 1,3-Dichlorobenzene	11.42	146	88277	20.121	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	633338	137.708	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	728765	156.057	ug/L	99
67) 1,3,5-Trichlorobenzene	13.51	180	303027	92.416	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	303027	109.284	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	73456	24.648	ug/L	98

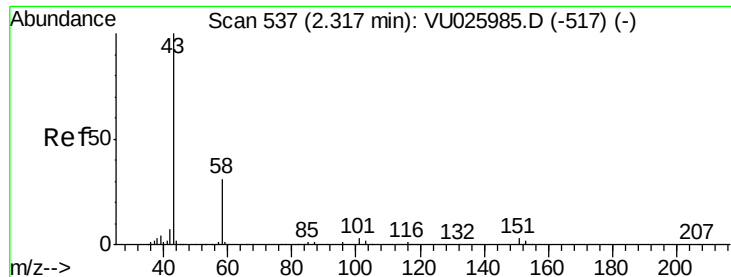
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#13

Acetone

Concen: 96.388 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026008.D

Acq: 09 Aug 2018 20:02

Instrument :

MSVOA_U

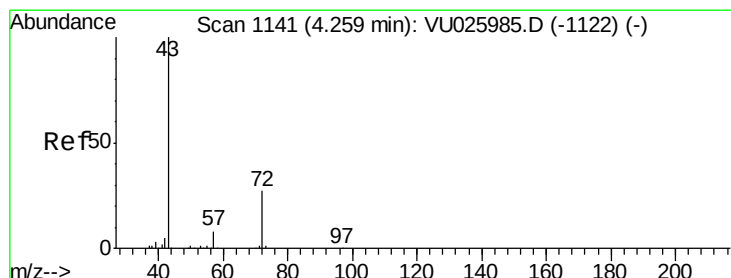
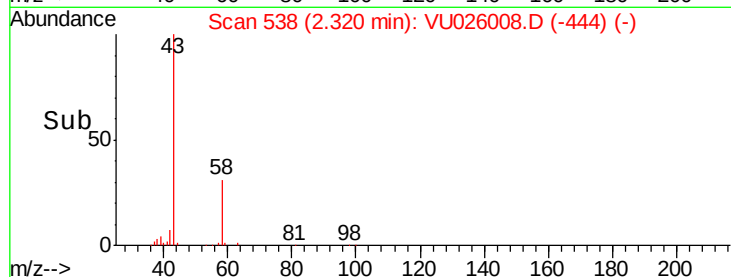
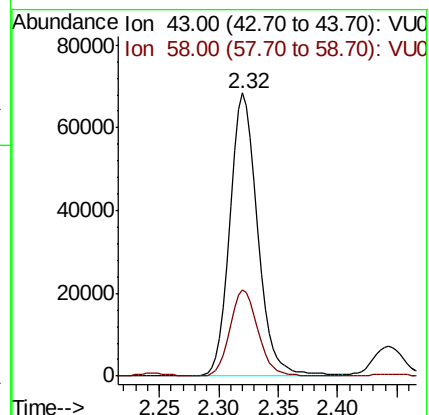
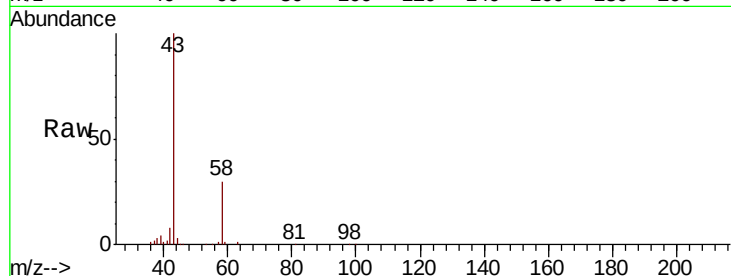
ClientSampleId :

Tot Ion: 43 Resp: 110879

Ion Ratio Lower Upper

43 100

58 30.8 0.0 61.8



#22

2-Butanone

Concen: 40.051 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VU026008.D

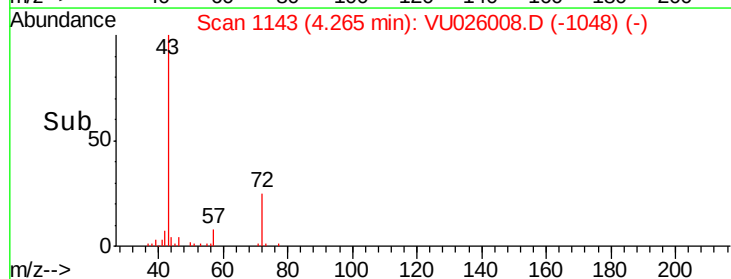
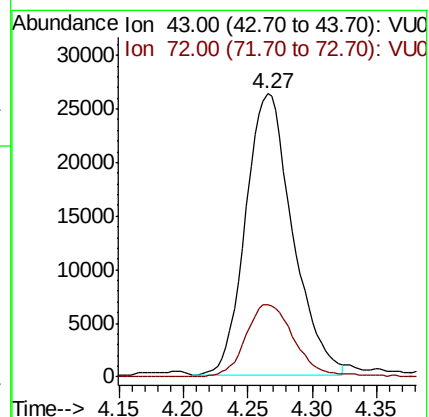
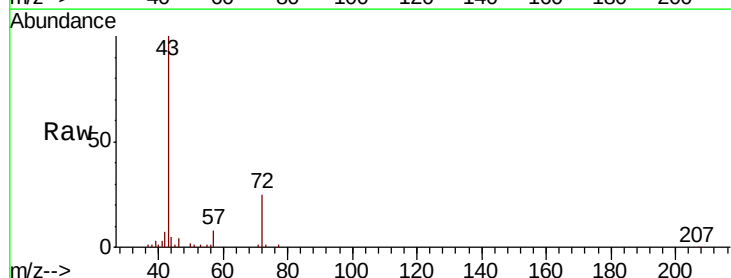
Acq: 09 Aug 2018 20:02

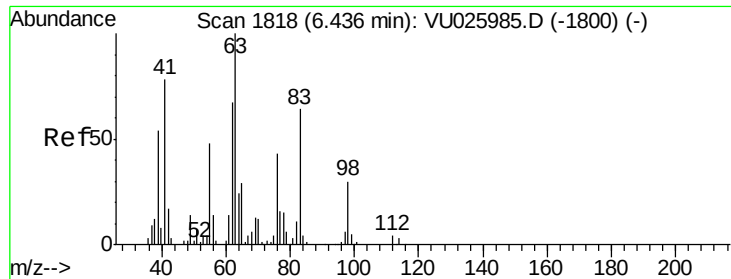
Tgt Ion: 43 Resp: 66664

Ion Ratio Lower Upper

43 100

72 26.1 13.5 40.5

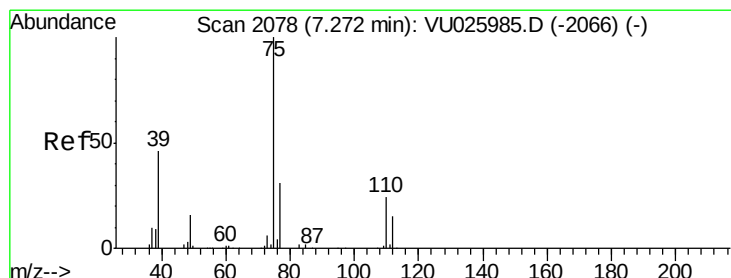
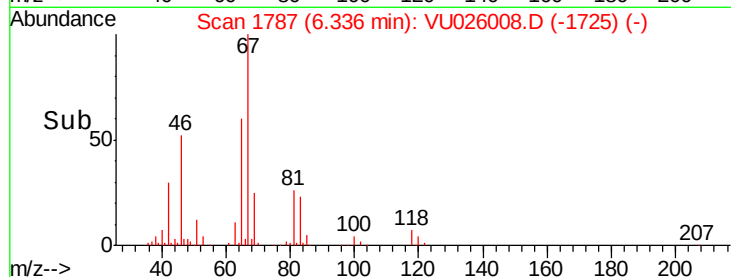
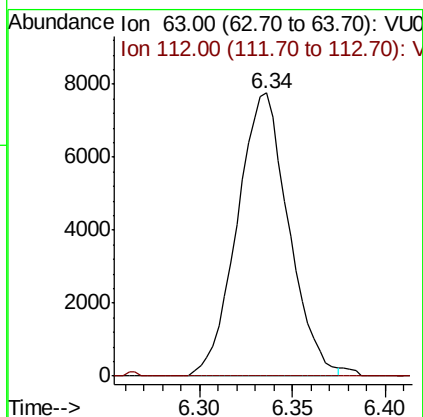
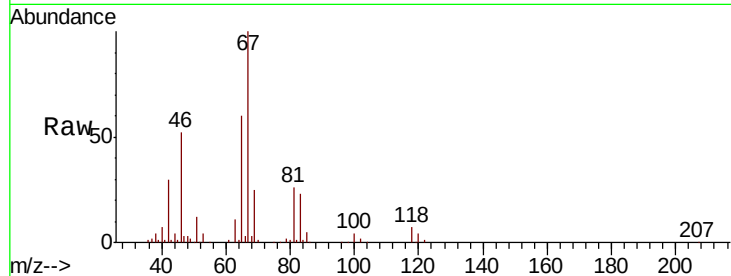




#37
 1,2-Dichloropropane
 Concen: 6.675 ug/L
 RT: 6.34 min Scan# 1787
 Delta R.T. -0.10 min
 Lab File: VU026008.D
 Acq: 09 Aug 2018 20:02

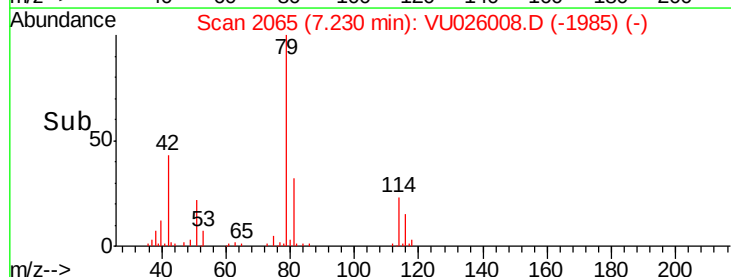
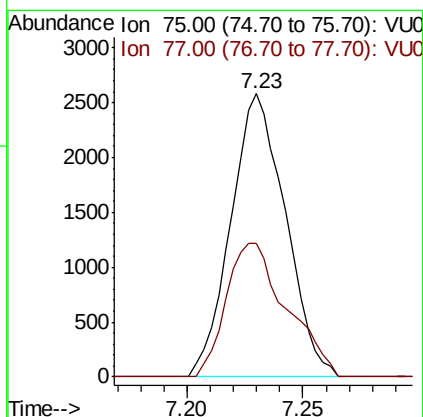
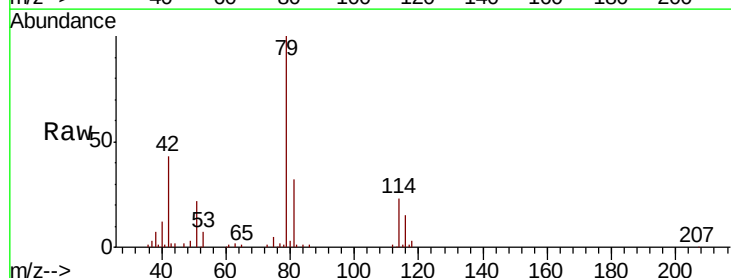
Instrument :
 MSVOA_U
 ClientSampled :

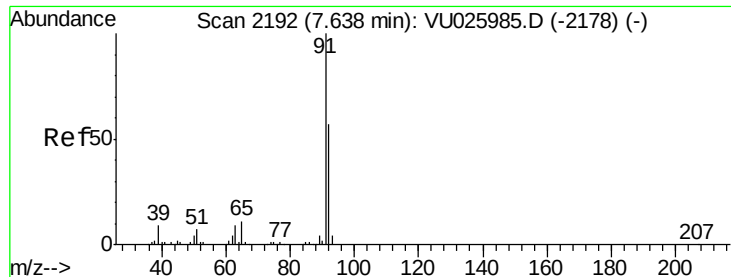
Tot Ion: 63 Resp: 14961
 Ion Ratio Lower Upper
 63 100
 112 0.3 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 1.239 ug/L
 RT: 7.23 min Scan# 2065
 Delta R.T. -0.04 min
 Lab File: VU026008.D
 Acq: 09 Aug 2018 20:02

Tgt Ion: 75 Resp: 4209
 Ion Ratio Lower Upper
 75 100
 77 47.2 22.1 41.1#





#42

Toluene

Concen: 6.502 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU026008.D

Acq: 09 Aug 2018 20:02

Instrument :

MSVOA_U

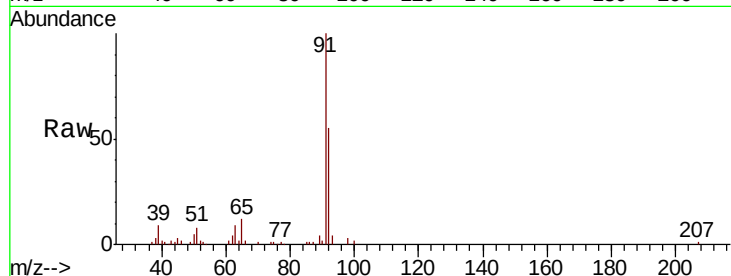
ClientSampleId :

Tot Ion: 91 Resp: 56535

Ion Ratio Lower Upper

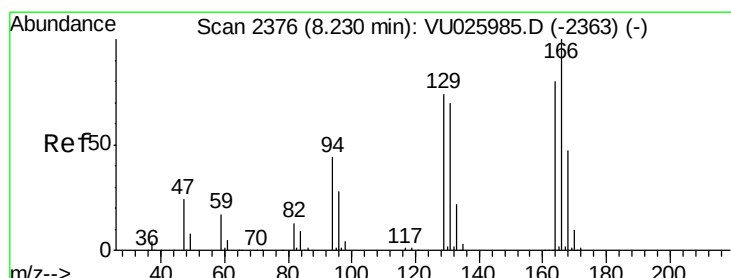
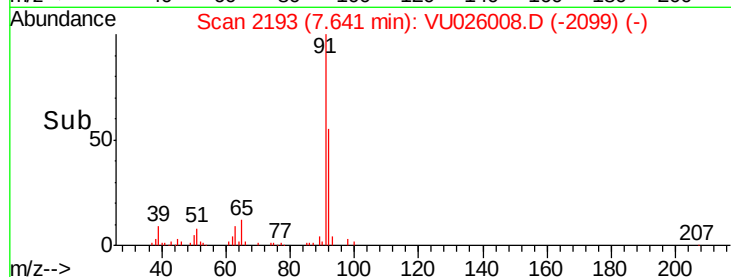
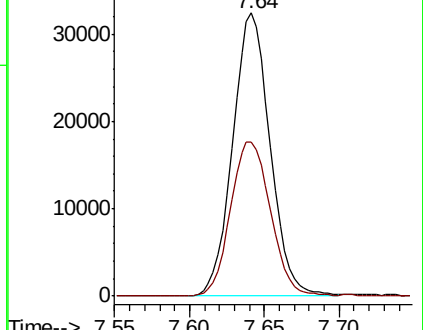
91 100

92 54.6 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) (-)



#46

Tetrachloroethene

Concen: 1.755 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU026008.D

Acq: 09 Aug 2018 20:02

Tgt Ion: 164 Resp: 3197

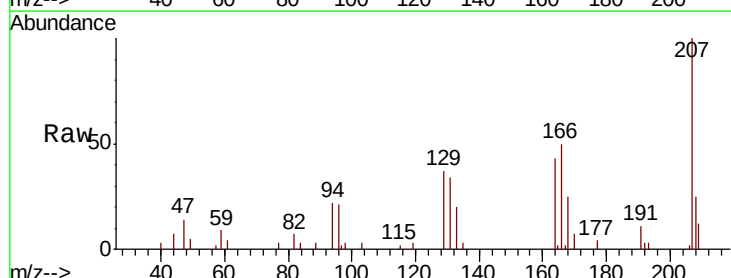
Ion Ratio Lower Upper

164 100

129 81.8 64.8 120.3

131 74.2 62.8 116.6

166 111.1 89.0 165.4

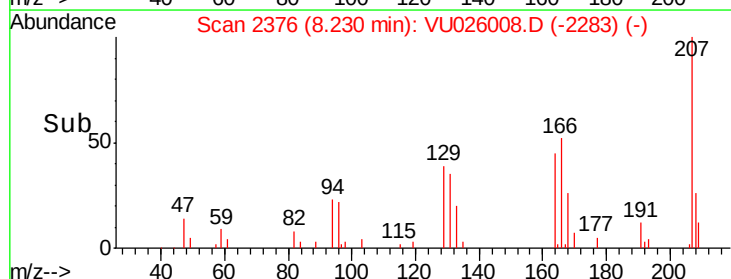
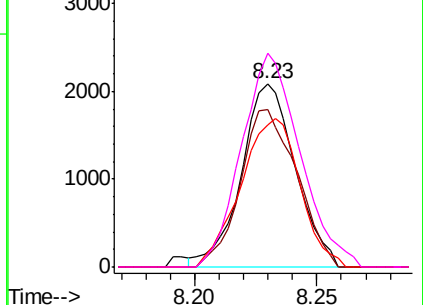


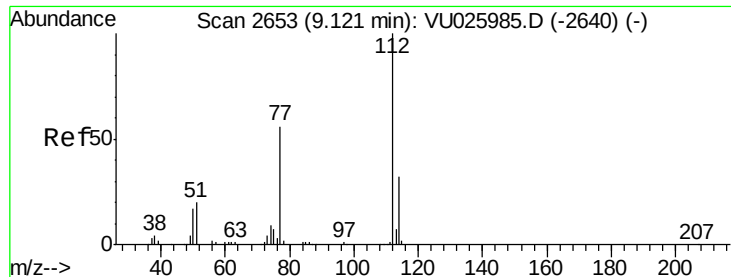
Abundance Ion 164.00 (163.70 to 164.70): VU025985.D (-2363) (-)

Ion 129.00 (128.70 to 129.70): VU025985.D (-2363) (-)

Ion 131.00 (130.70 to 131.70): VU025985.D (-2363) (-)

Ion 166.00 (165.70 to 166.70): VU025985.D (-2363) (-)





#51

Chlorobenzene

Concen: 274.946 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU026008.D

Acq: 09 Aug 2018 20:02

Instrument :

MSVOA_U

ClientSampled :

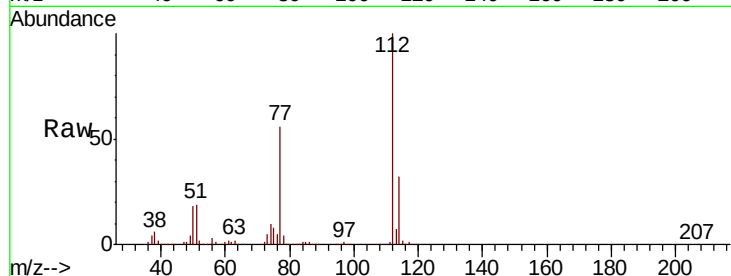
Tot Ion:112 Resp: 1611954

Ion Ratio Lower Upper

112 100

114 32.2 22.7 42.3

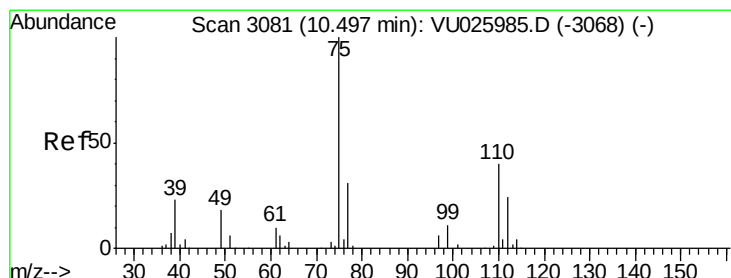
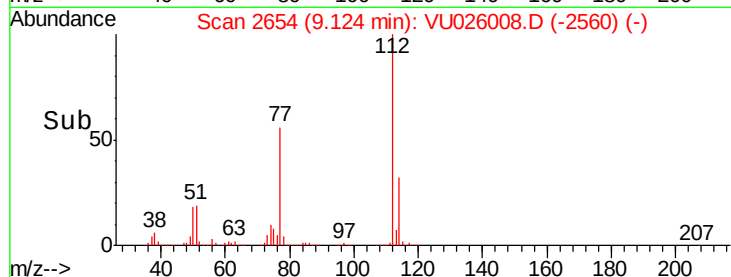
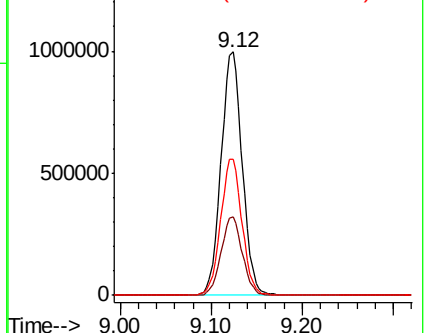
77 56.1 45.2 67.8



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): V



#59

1,2,3-Trichloropropane

Concen: 8.903 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.92 min

Lab File: VU026008.D

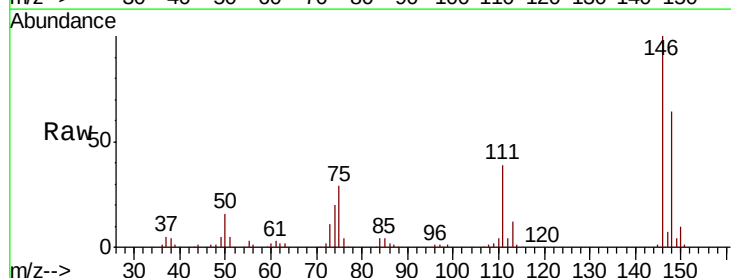
Acq: 09 Aug 2018 20:02

Tgt Ion: 75 Resp: 25736

Ion Ratio Lower Upper

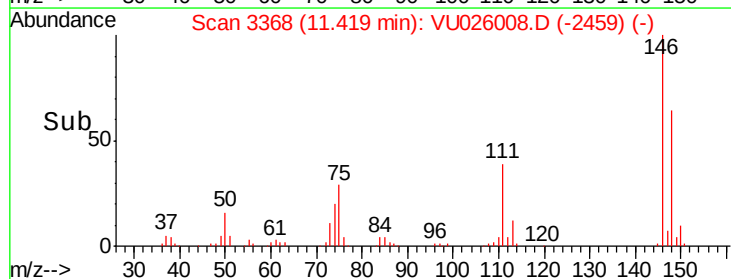
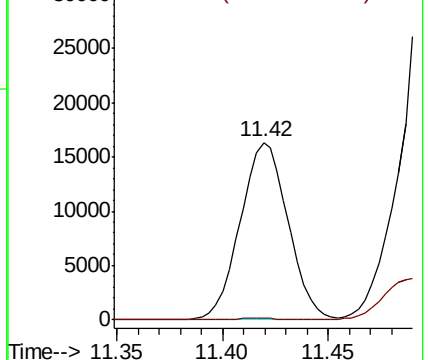
75 100

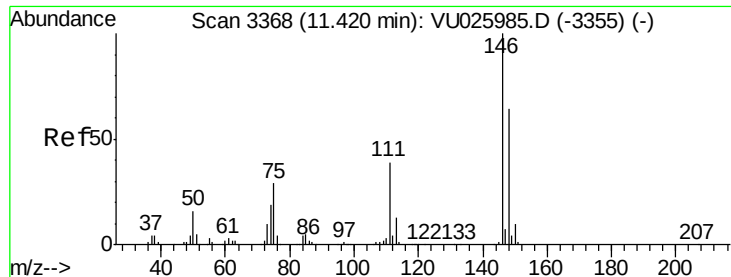
77 0.5 25.3 37.9#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

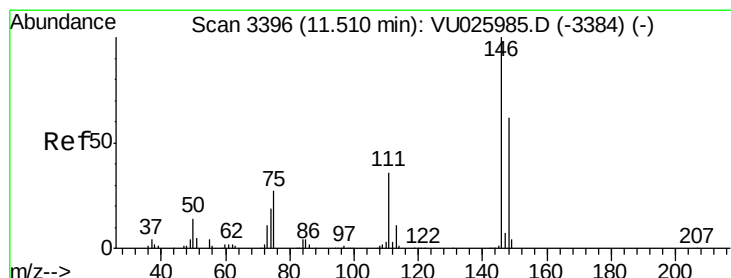
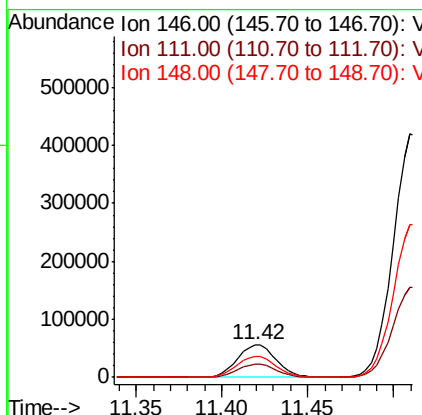
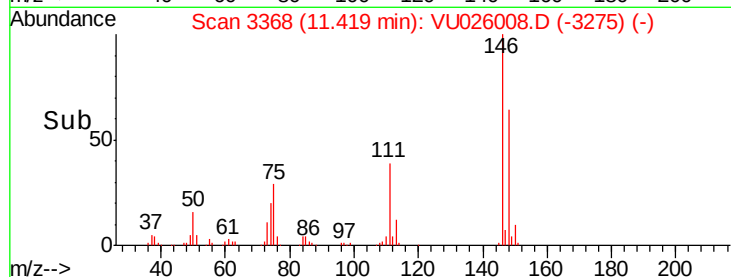
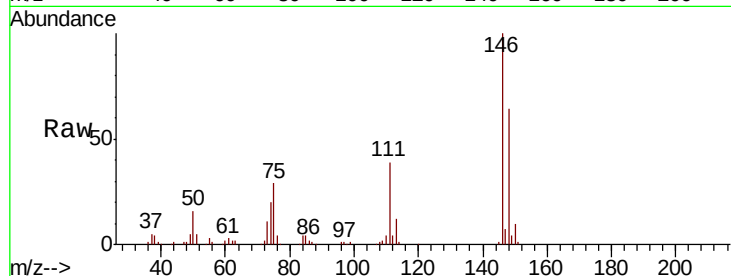




#62
 1,3-Dichlorobenzene
 Concen: 20.121 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU026008.D
 Acq: 09 Aug 2018 20:02

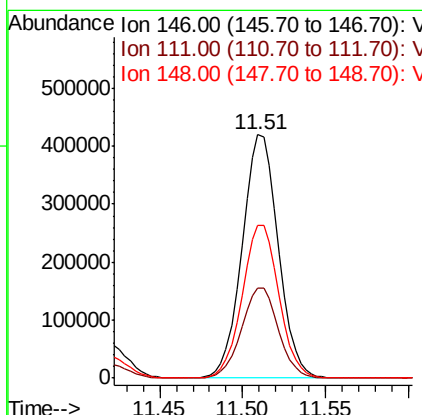
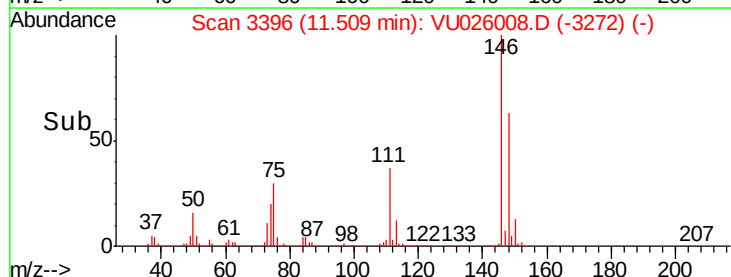
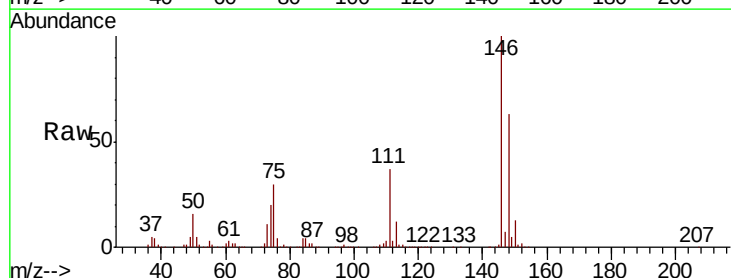
Instrument :
 MSVOA_U
 ClientSampled :

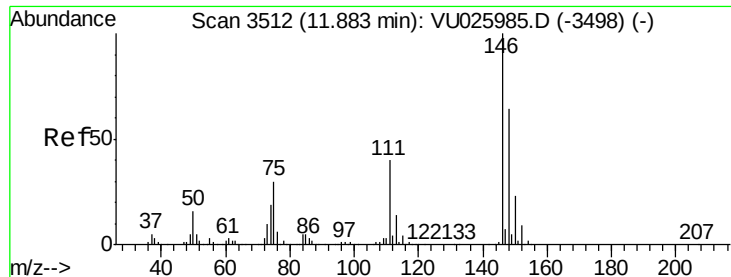
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	27.9	51.9
148	64.0	46.0	85.4



#63
 1,4-Dichlorobenzene
 Concen: 137.708 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU026008.D
 Acq: 09 Aug 2018 20:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	26.4	49.0
148	62.8	43.8	81.4





#65

1,2-Dichlorobenzene

Concen: 156.057 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU026008.D

Acq: 09 Aug 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

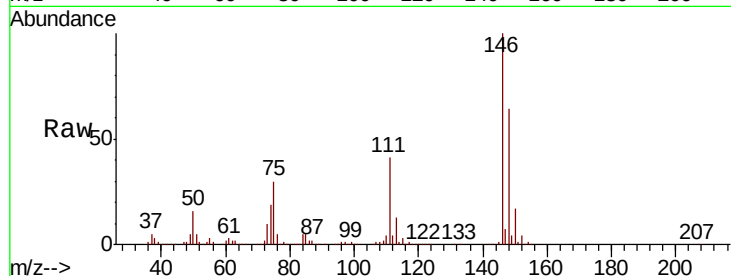
Tot Ion:146 Resp: 728765

Ion Ratio Lower Upper

146 100

111 40.7 32.4 48.6

148 63.5 50.1 75.1

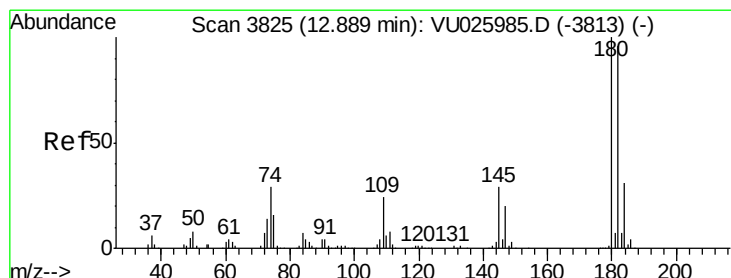
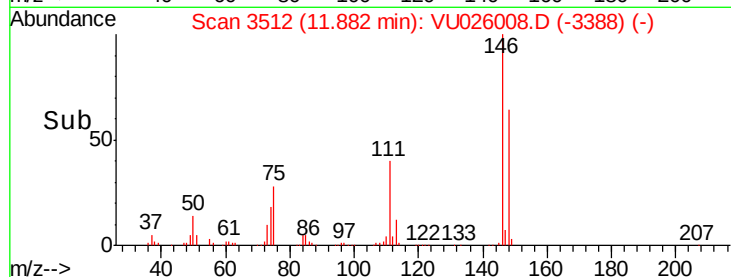
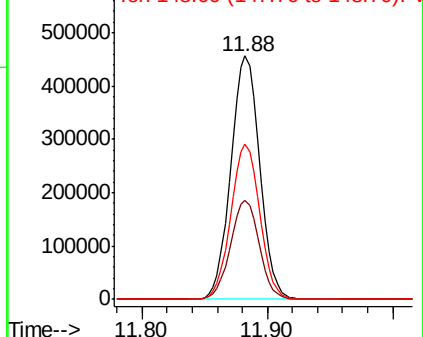


Abundance

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: 92.416 ug/L

RT: 13.51 min Scan# 4017

Delta R.T. 0.62 min

Lab File: VU026008.D

Acq: 09 Aug 2018 20:02

Tgt Ion:180 Resp: 303027

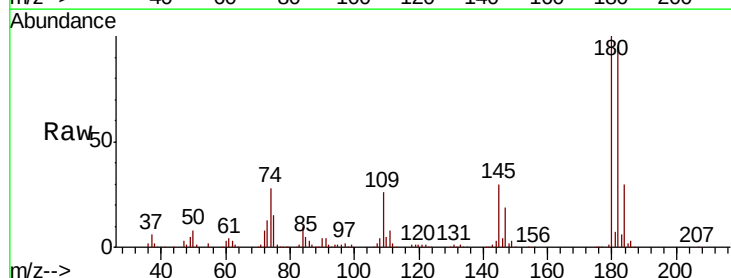
Ion Ratio Lower Upper

180 100

182 96.1 76.5 114.7

184 30.6 24.3 36.5

145 30.2 23.5 35.3



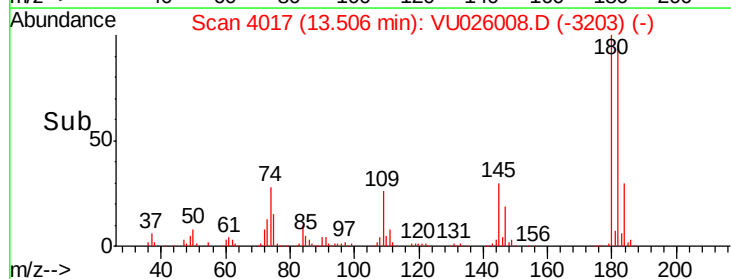
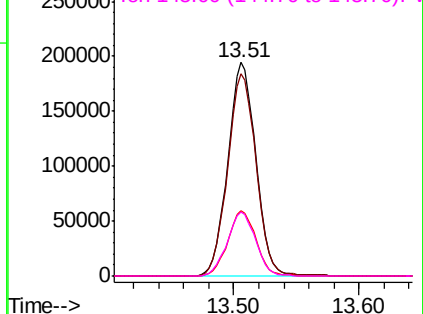
Abundance

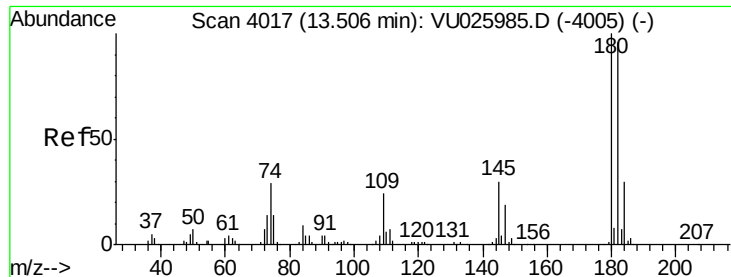
Ion 180.00 (179.70 to 180.70): V

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

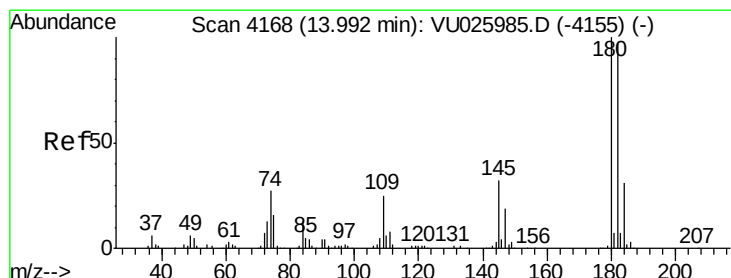
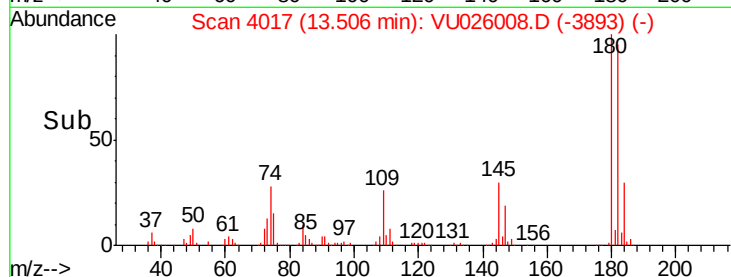
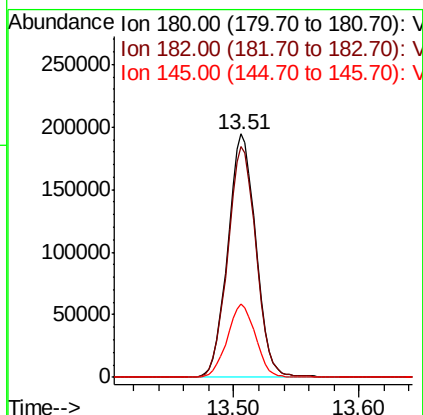
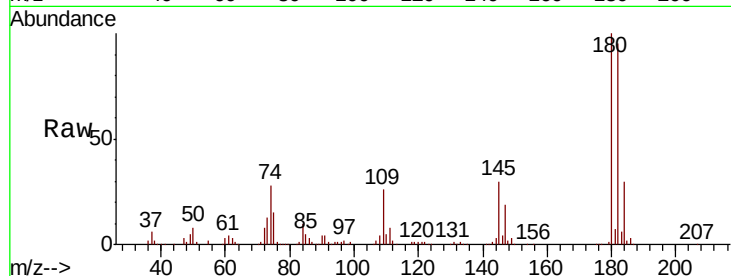




#68
 1,2,4-trichlorobenzene
 Concen: 109.284 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU026008.D
 Acq: 09 Aug 2018 20:02

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.5	114.7
145	30.2	24.2	36.4



#70
 1,2,3-Trichlorobenzene
 Concen: 24.648 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. -0.00 min
 Lab File: VU026008.D
 Acq: 09 Aug 2018 20:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	76.5	114.7
145	30.7	24.7	37.1

