

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100518\
 Data File : VU027455.D
 Acq On : 05 Oct 2018 16:04
 Operator : MD/SY
 Sample : J5250-05 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0913

Quant Time: Oct 09 11:53:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 06 04:54:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	219187	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	209059	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	102781	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	79090	45.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.70%
7) Chloroethane-d5	1.68	69	63371	47.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.38%
11) 1,1-Dichloroethene-d2	2.27	63	116001	35.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.70%
21) 2-Butanone-d5	4.18	46	141304	101.47	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.47%
24) Chloroform-d	4.65	84	133518	48.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.78%
26) 1,2-Dichloroethane-d4	5.31	65	97163	50.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.52%
32) Benzene-d6	5.34	84	293068	48.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.82%
36) 1,2-Dichloropropane-d6	6.33	67	103236	50.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.60%
41) Toluene-d8	7.57	98	250540	46.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.56%
43) trans-1,3-Dichloropropene-	7.85	79	46439	46.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.92%
47) 2-Hexanone-d5	8.31	63	104515	100.83	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.83%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	130747	48.72	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.44%
64) 1,2-Dichlorobenzene-d4	11.86	152	98610	49.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.08%

Target Compounds

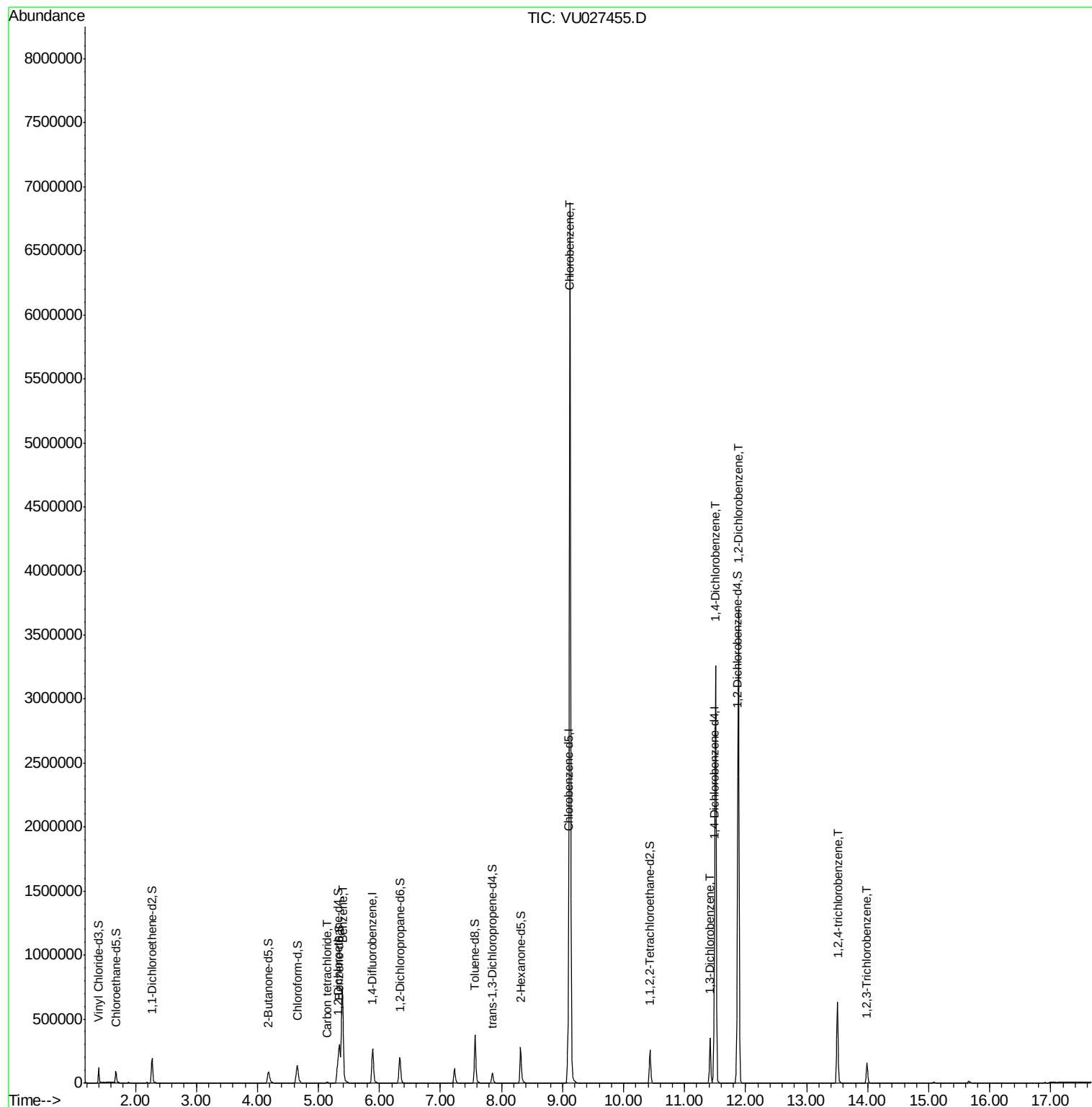
					Ovalue
31) Carbon tetrachloride	5.14	117	3802	1.807	ug/L 97
33) Benzene	5.39	78	719589	104.744	ug/L 100
51) Chlorobenzene	9.12	112	3419858	784.750	ug/L 100
62) 1,3-Dichlorobenzene	11.42	146	132149	41.311	ug/L 99
63) 1,4-Dichlorobenzene	11.51	146	1185402	355.261	ug/L 99
65) 1,2-Dichlorobenzene	11.88	146	1370477	420.860	ug/L 99
68) 1,2,4-trichlorobenzene	13.50	180	187804	82.631	ug/L 100
70) 1,2,3-Trichlorobenzene	13.99	180	47954	20.748	ug/L 99

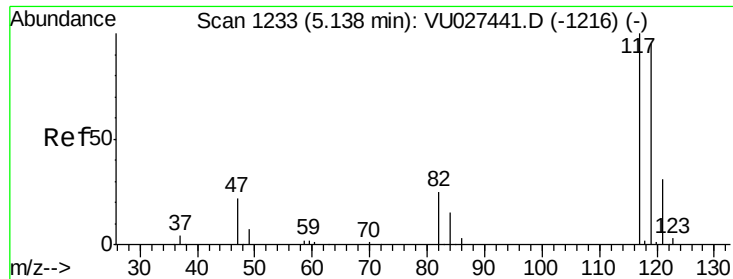
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#31

Carbon tetrachloride

Concen: 1.807 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU027455.D

Acq: 05 Oct 2018 16:04

Instrument :

MSVOA_U

ClientSampleId :

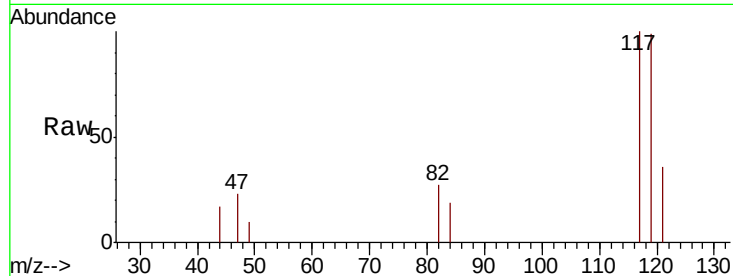
C0913

Tot Ion:117 Resp: 3802

Ion Ratio Lower Upper

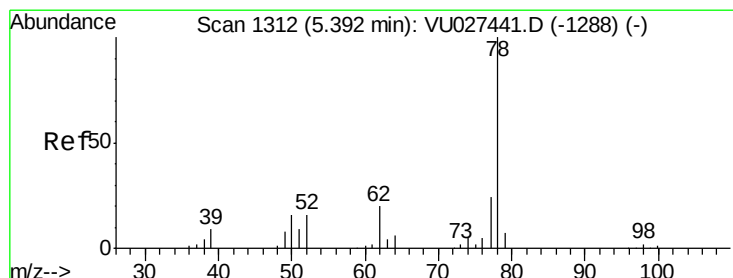
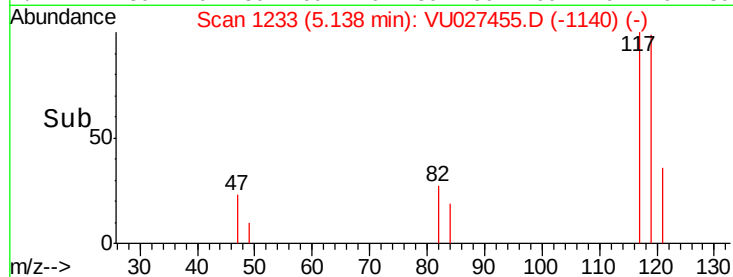
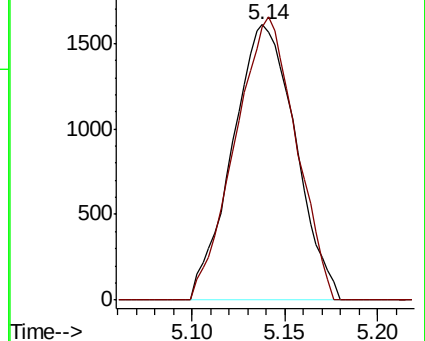
117 100

119 99.0 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 104.744 ug/L

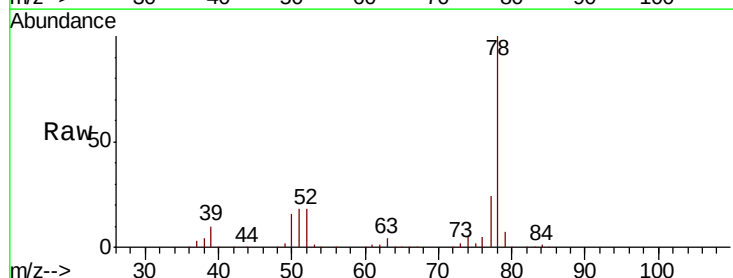
RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

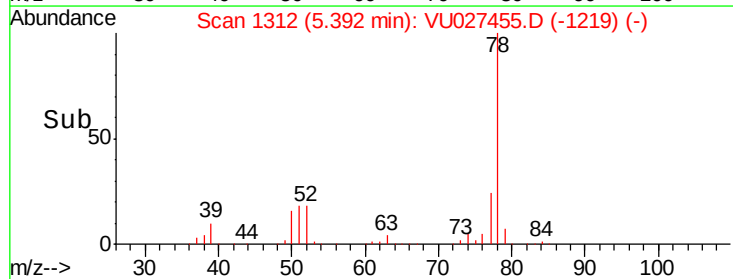
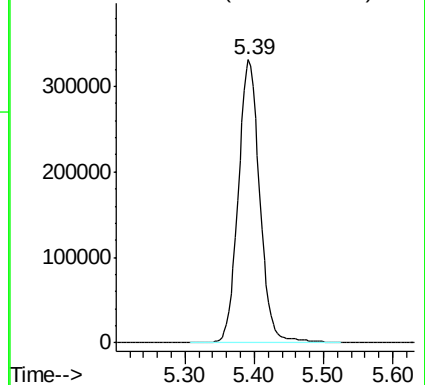
Lab File: VU027455.D

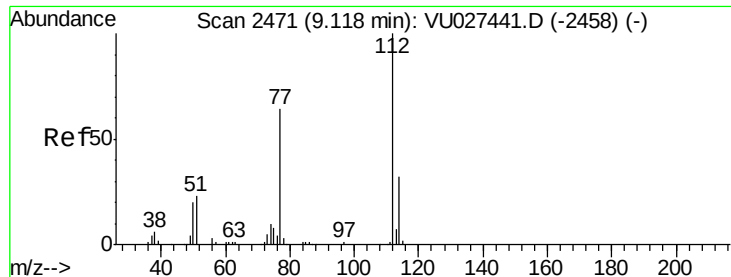
Acq: 05 Oct 2018 16:04

Tgt Ion: 78 Resp: 719589



Abundance Ion 78.00 (77.70 to 78.70): VU0





#51

Chlorobenzene

Concen: 784.750 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU027455.D

Acq: 05 Oct 2018 16:04

Instrument :

MSVOA_U

ClientSampleId :

C0913

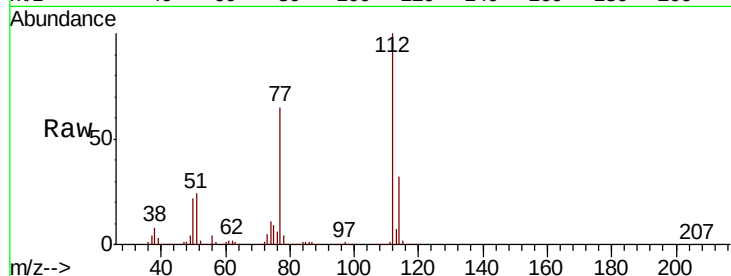
Tot Ion:112 Resp: 3419858

Ion Ratio Lower Upper

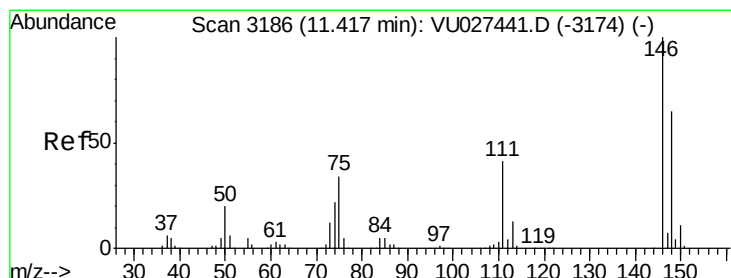
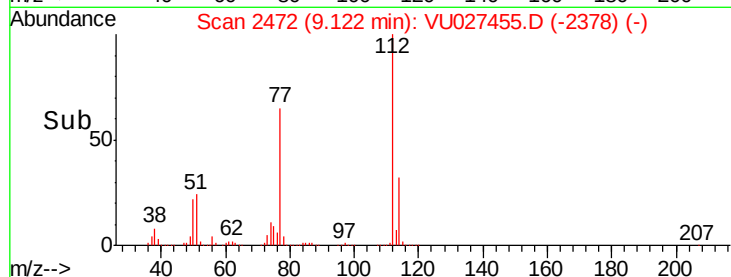
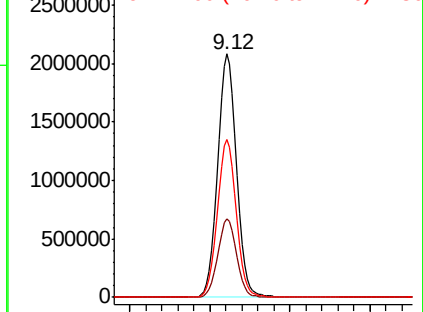
112 100

114 32.3 22.3 41.5

77 64.8 51.7 77.5



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



#62

1,3-Dichlorobenzene

Concen: 41.311 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU027455.D

Acq: 05 Oct 2018 16:04

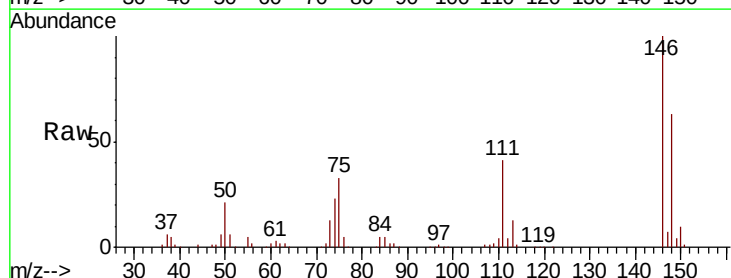
Tgt Ion:146 Resp: 132149

Ion Ratio Lower Upper

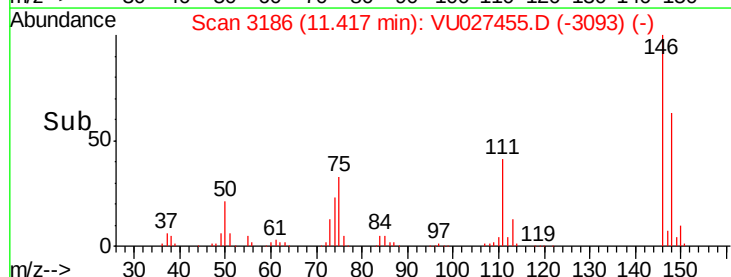
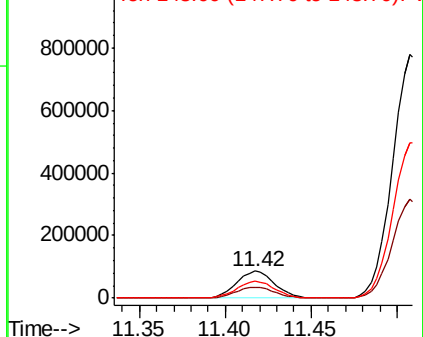
146 100

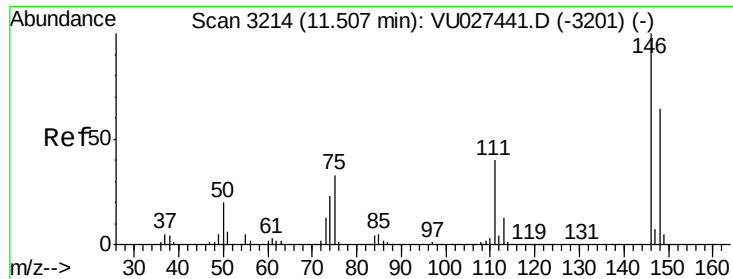
111 41.0 29.0 53.8

148 63.3 45.4 84.2



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

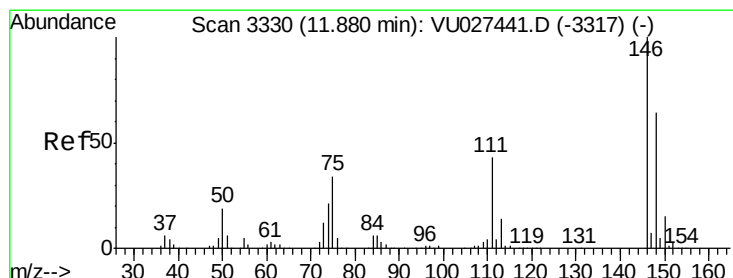
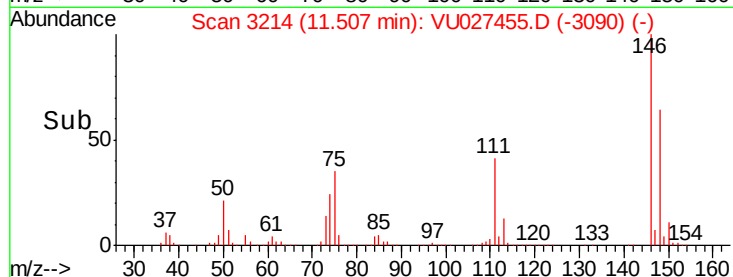
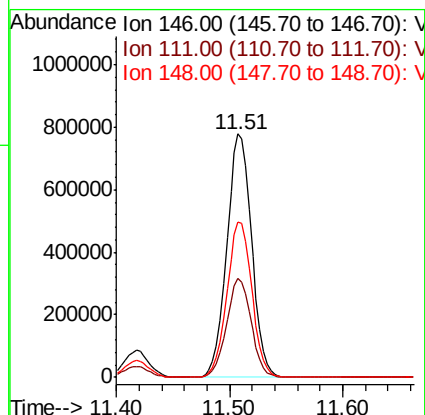
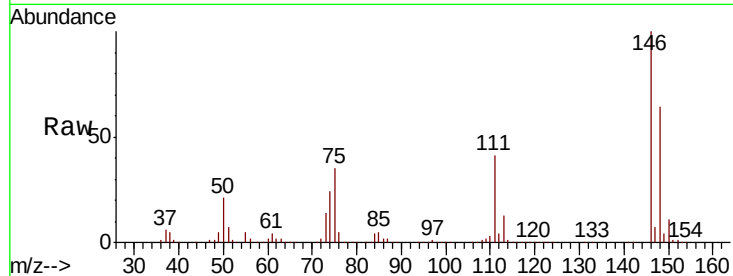




#63
 1,4-Dichlorobenzene
 Concen: 355.261 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027455.D
 Acq: 05 Oct 2018 16:04

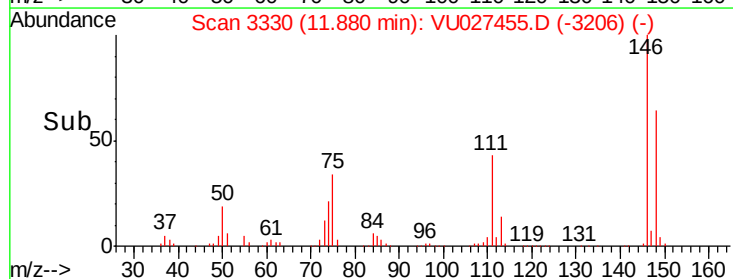
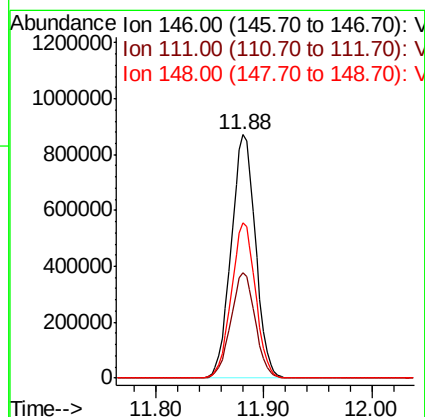
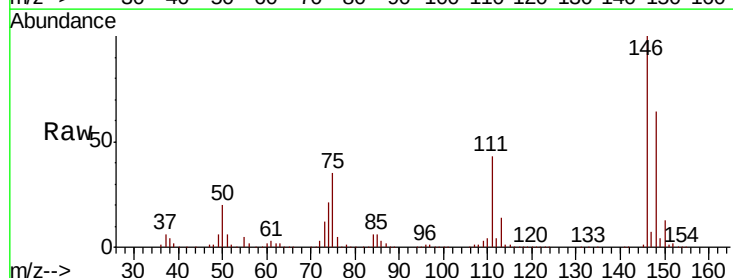
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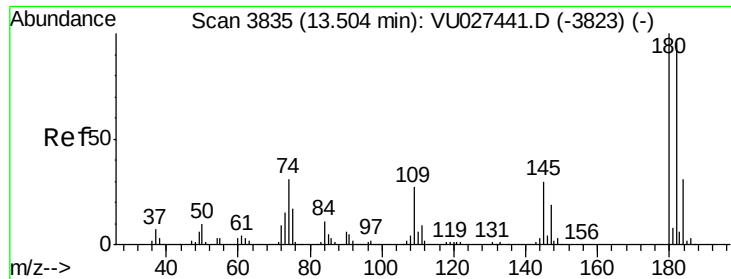
Tot Ion:146 Resp: 1185402
 Ion Ratio Lower Upper
 146 100
 111 40.5 28.1 52.1
 148 63.9 44.4 82.5



#65
 1,2-Dichlorobenzene
 Concen: 420.860 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027455.D
 Acq: 05 Oct 2018 16:04

Tgt Ion:146 Resp: 1370477
 Ion Ratio Lower Upper
 146 100
 111 43.4 34.9 52.3
 148 63.8 51.6 77.4

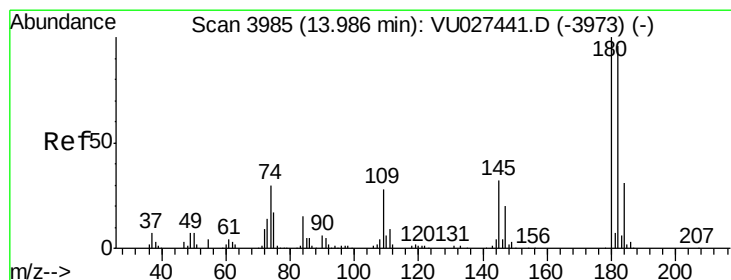
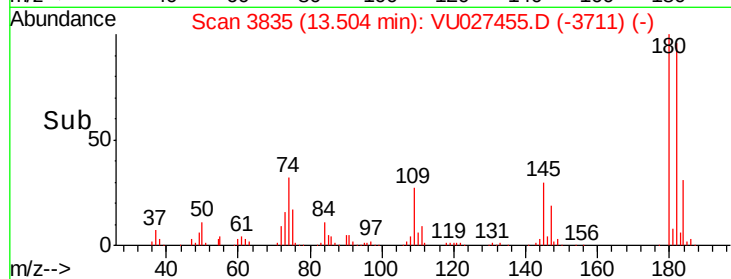
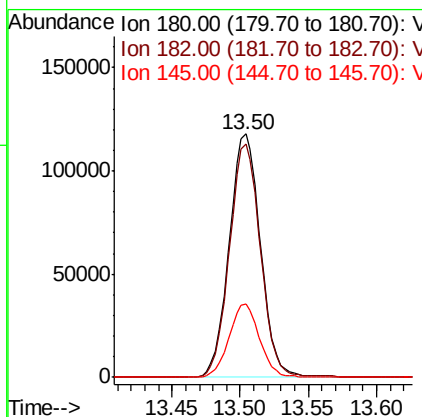
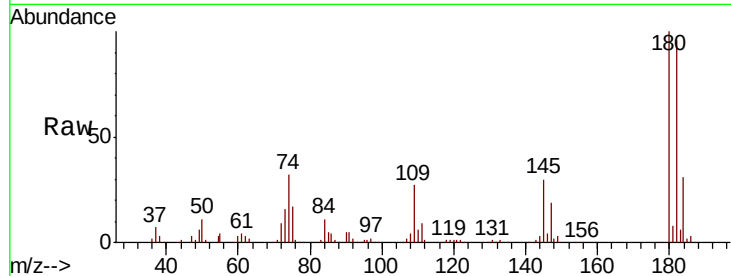




#68
 1,2,4-trichlorobenzene
 Concen: 82.631 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU027455.D
 Acq: 05 Oct 2018 16:04

Instrument :
 MSVOA_U
 ClientSampleId :
 C0913

Tot Ion:180 Resp: 187804
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.3 114.5
 145 29.5 24.2 36.2



#70
 1,2,3-Trichlorobenzene
 Concen: 20.748 ug/L
 RT: 13.99 min Scan# 3985
 Delta R.T. -0.00 min
 Lab File: VU027455.D
 Acq: 05 Oct 2018 16:04

Tgt Ion:180 Resp: 47954
 Ion Ratio Lower Upper
 180 100
 182 96.2 77.4 116.0
 145 31.6 25.5 38.3

