

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091518\
 Data File : VU026738.D
 Acq On : 13 Sep 2018 20:13
 Operator : MD/SY
 Sample : J4893-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08L7

Quant Time: Sep 14 02:34:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 14 01:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	189659	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	171838	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	79075	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	63389	44.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.70%
7) Chloroethane-d5	1.68	69	51705	45.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.27	63	86675	34.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.54%
21) 2-Butanone-d5	4.18	46	85918	97.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.69%
24) Chloroform-d	4.65	84	98637	41.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.94%
26) 1,2-Dichloroethane-d4	5.31	65	68023	44.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.46%
32) Benzene-d6	5.34	84	208592	46.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.33	67	70299	47.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.20%
41) Toluene-d8	7.57	98	187708	44.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.96%
43) trans-1,3-Dichloropropene-	7.85	79	30557	44.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.08%
47) 2-Hexanone-d5	8.31	63	60843	99.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.92%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	90066	44.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.16%
64) 1,2-Dichlorobenzene-d4	11.86	152	70127	44.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.98%

Target Compounds

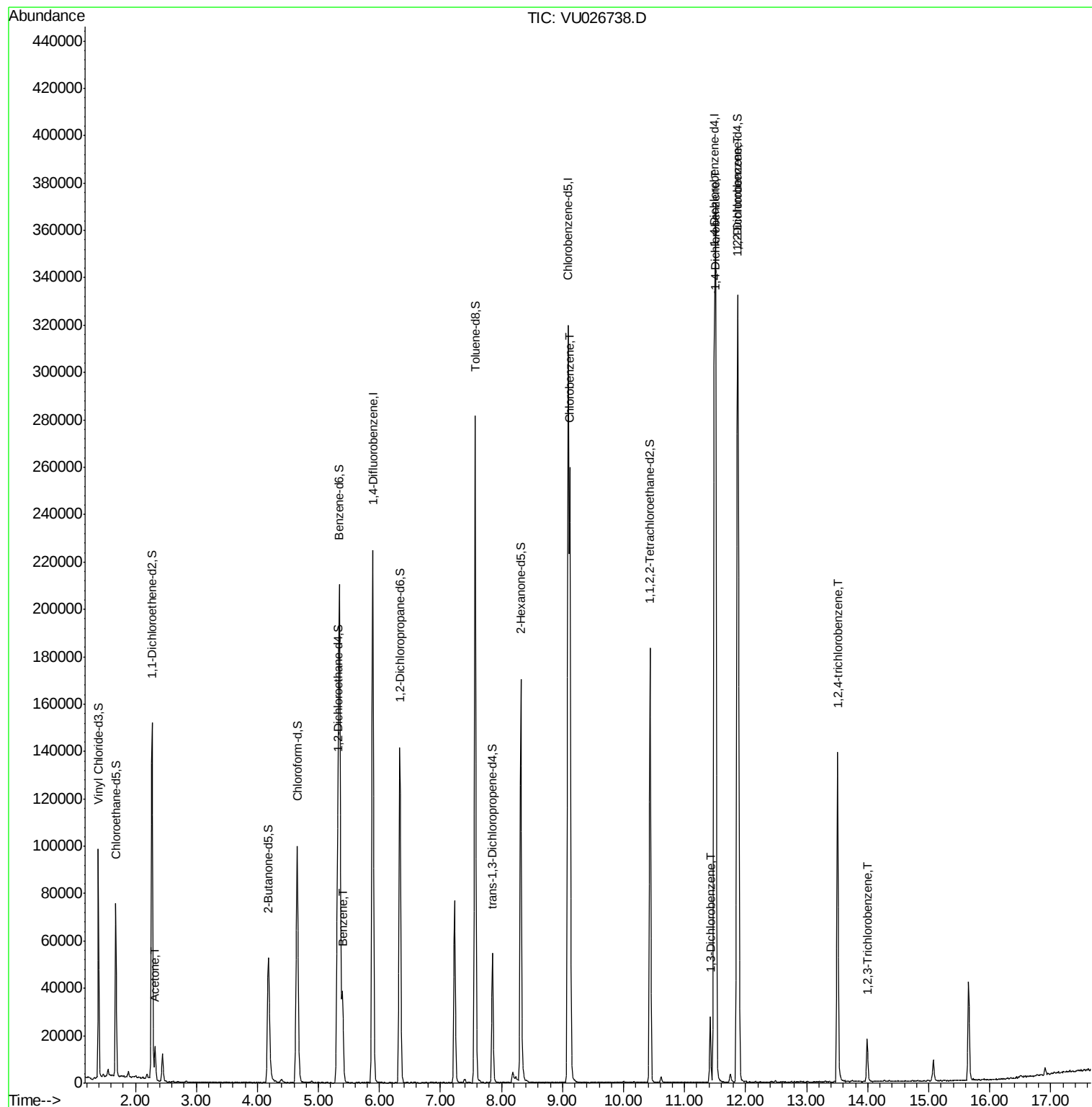
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	14518	14.493	ug/L	98
33) Benzene	5.39	78	36235	7.530	ug/L	100
51) Chlorobenzene	9.12	112	134083	40.943	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	11767	5.183	ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	142221	59.129	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	96534	40.229	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	46549	29.737	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	6810	4.016	ug/L	97

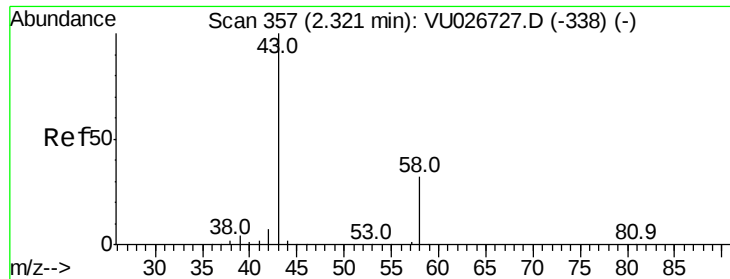
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 14 01:21:50 2018
Response via : Initial Calibration





#13

Acetone

Concen: 14.493 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

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Acq: 13 Sep 2018 20:13

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MSVOA_U

ClientSampleId :

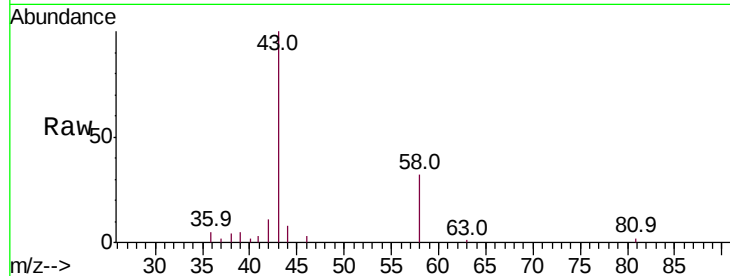
C08L7

Tot Ion: 43 Resp: 14518

Ion Ratio Lower Upper

43 100

58 30.5 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

8000

6000

4000

2000

0

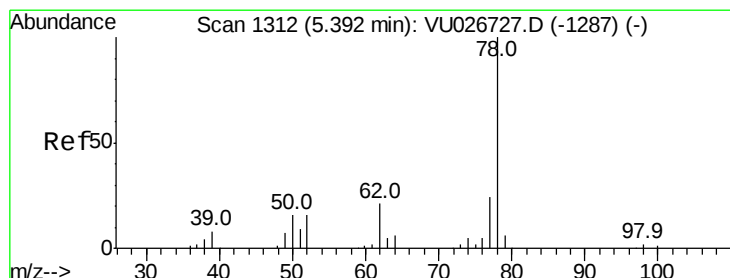
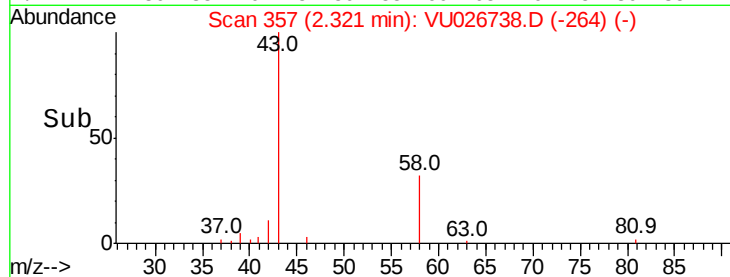
Time-->

2.25

2.30

2.35

2.40



#33

Benzene

Concen: 7.530 ug/L

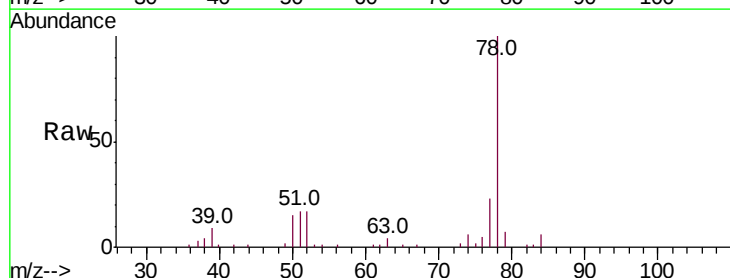
RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU026738.D

Acq: 13 Sep 2018 20:13

Tgt Ion: 78 Resp: 36235



Abundance Ion 78.00 (77.70 to 78.70): VU0

5.39

15000

10000

5000

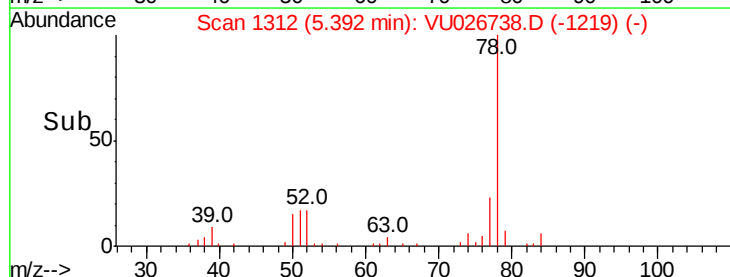
0

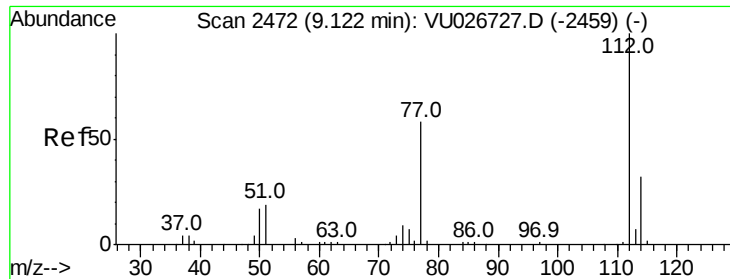
Time-->

5.35

5.40

5.45





#51

Chlorobenzene

Concen: 40.943 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. -0.00 min

Lab File: VU026738.D

Acq: 13 Sep 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

C08L7

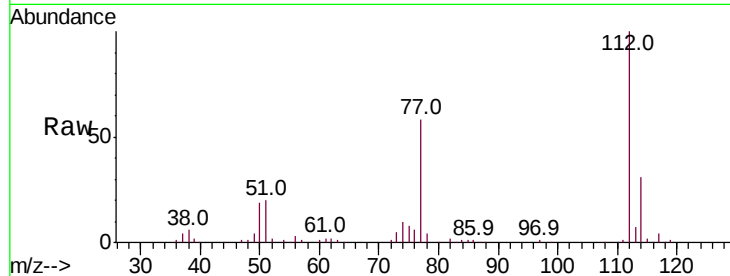
Tot Ion:112 Resp: 134083

Ion Ratio Lower Upper

112 100

114 30.9 22.9 42.5

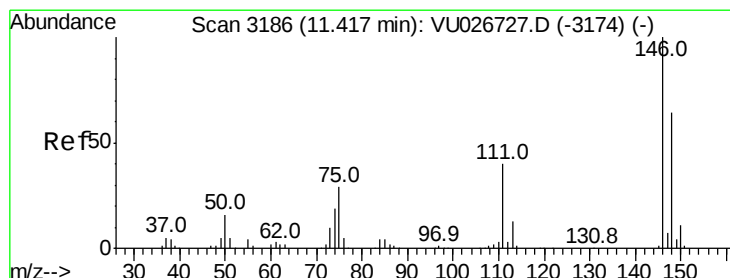
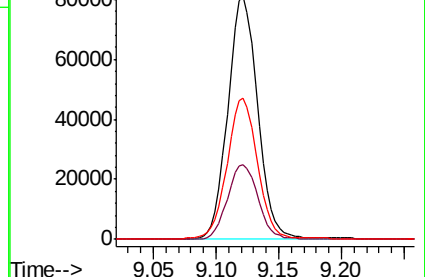
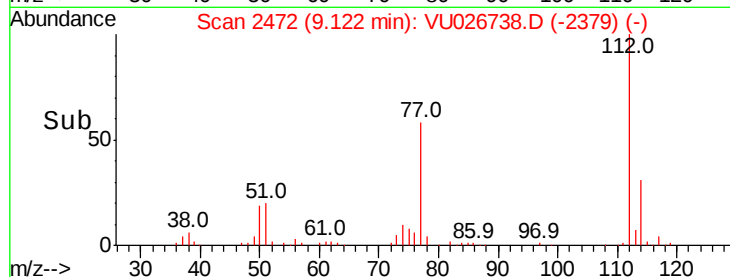
77 57.9 47.2 70.8



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): VU0



#62

1,3-Dichlorobenzene

Concen: 5.183 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU026738.D

Acq: 13 Sep 2018 20:13

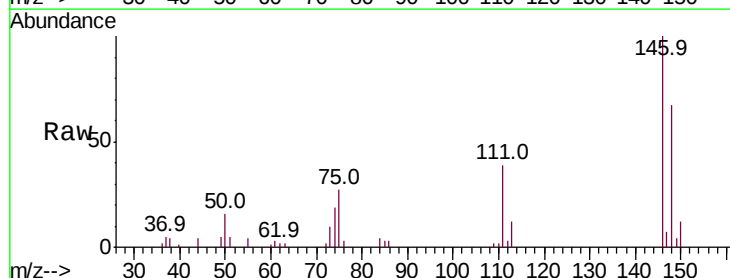
Tgt Ion:146 Resp: 11767

Ion Ratio Lower Upper

146 100

111 38.7 26.7 49.5

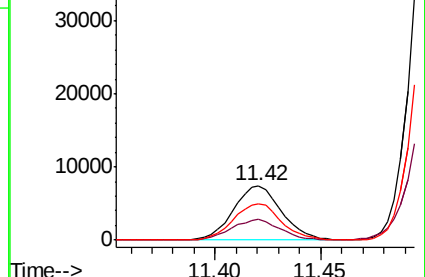
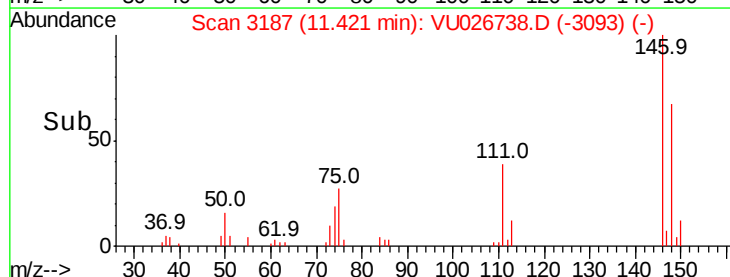
148 67.5 44.2 82.2

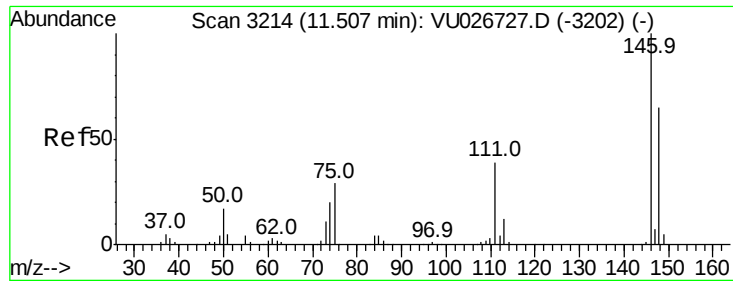


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 59.129 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU026738.D

Acq: 13 Sep 2018 20:13

Instrument :

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ClientSampleId :

C08L7

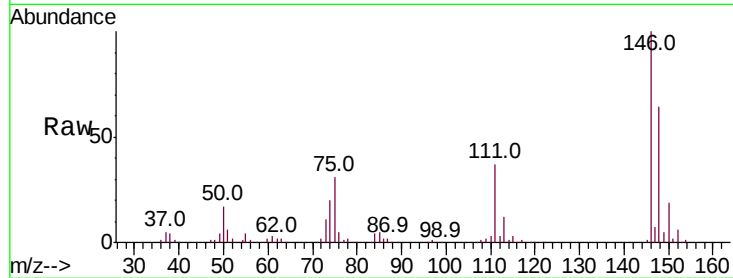
Tot Ion:146 Resp: 142221

Ion Ratio Lower Upper

146 100

111 37.4 26.5 49.3

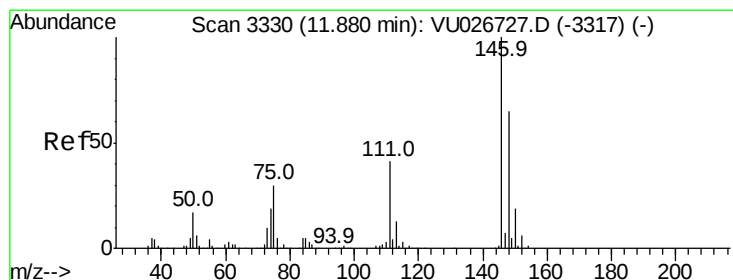
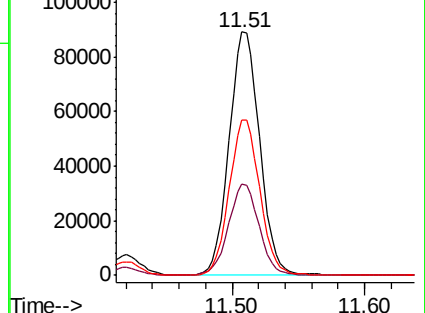
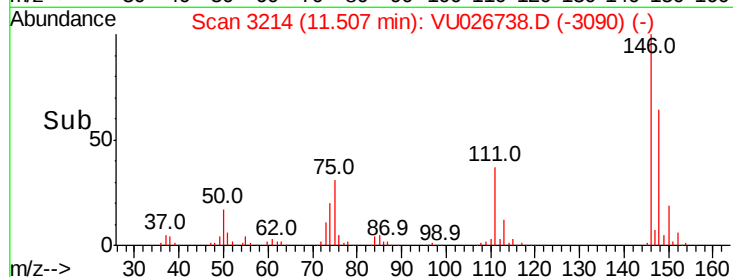
148 63.8 45.2 84.0



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: 40.229 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU026738.D

Acq: 13 Sep 2018 20:13

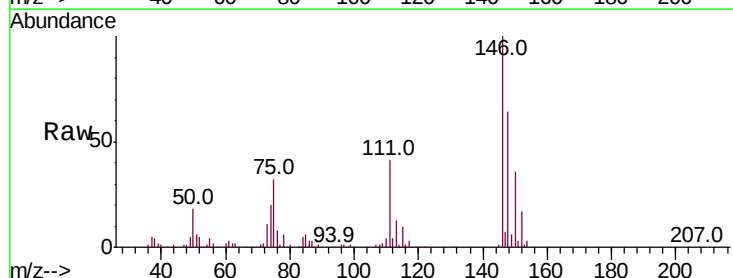
Tgt Ion:146 Resp: 96534

Ion Ratio Lower Upper

146 100

111 41.2 32.8 49.2

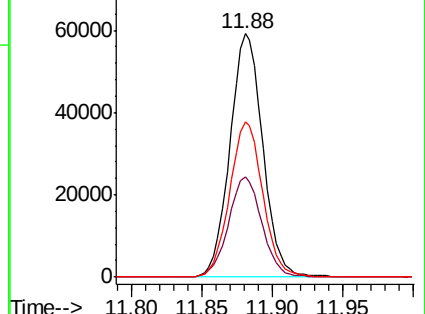
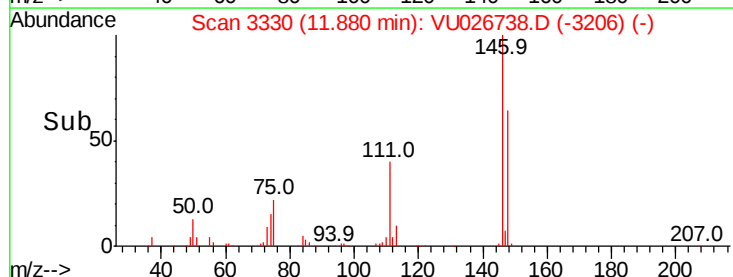
148 63.8 52.2 78.4

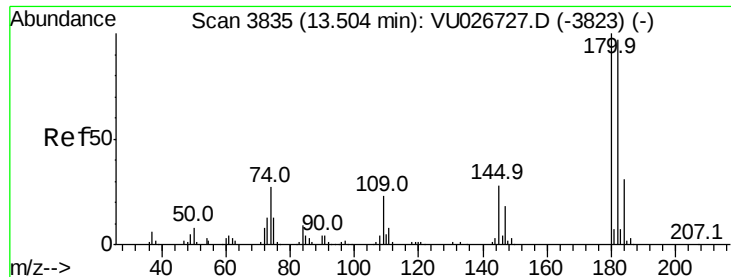


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

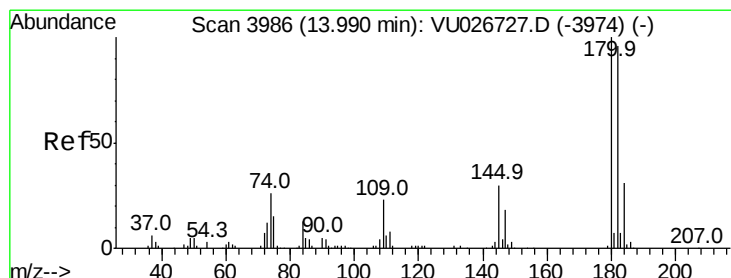
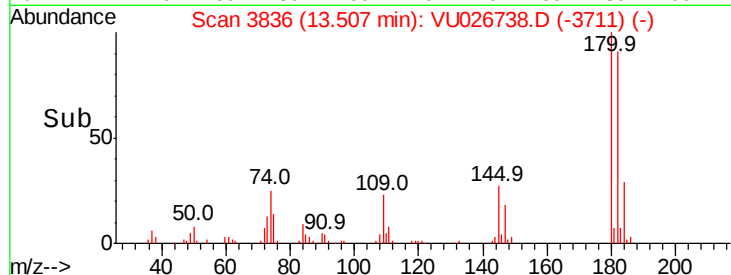
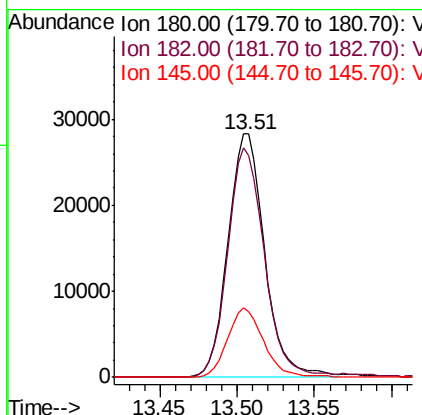
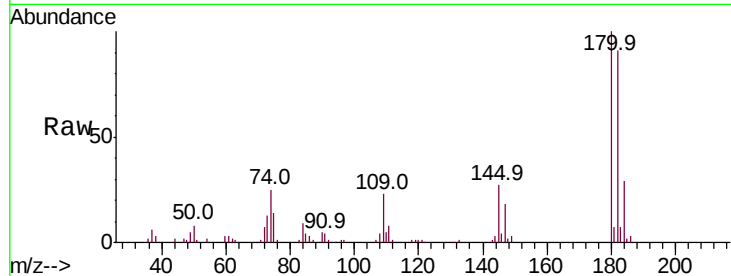




#68
 1,2,4-trichlorobenzene
 Concen: 29.737 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU026738.D
 Acq: 13 Sep 2018 20:13

Instrument :
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 ClientSampleId :
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Tot Ion:180 Resp: 46549
 Ion Ratio Lower Upper
 180 100
 182 94.1 76.0 114.0
 145 28.0 23.4 35.0



#70
 1,2,3-Trichlorobenzene
 Concen: 4.016 ug/L
 RT: 13.99 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VU026738.D
 Acq: 13 Sep 2018 20:13

Tgt Ion:180 Resp: 6810
 Ion Ratio Lower Upper
 180 100
 182 92.4 76.7 115.1
 145 29.1 23.0 34.6

