

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
 Data File : VU034738.D
 Acq On : 23 Sep 2019 17:02
 Operator : JC/SP
 Sample : K4982-05 20X
 Misc : 5.58g/5.0mL/100uL/10mL/MSVOA_U/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AW2

Quant Time: Sep 24 02:59:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 24 01:52:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	480217	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	459932	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	224088	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	205282	41.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.52%
7) Chloroethane-d5	1.67	69	164460	43.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.56%
11) 1,1-Dichloroethene-d2	2.26	63	278420	33.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.88%
21) 2-Butanone-d5	4.15	46	389877	103.47	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.47%
24) Chloroform-d	4.62	84	340913	47.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.29	65	252854	48.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.26%
32) Benzene-d6	5.32	84	705421	49.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.96%
36) 1,2-Dichloropropane-d6	6.31	67	249314	50.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.08%
41) Toluene-d8	7.54	98	666279	49.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.26%
43) trans-1,3-Dichloropropene-	7.83	79	111659	46.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.58%
47) 2-Hexanone-d5	8.29	63	245526	98.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.11%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	333098	48.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.36%
64) 1,2-Dichlorobenzene-d4	11.84	152	237404	50.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.04%

Target Compounds

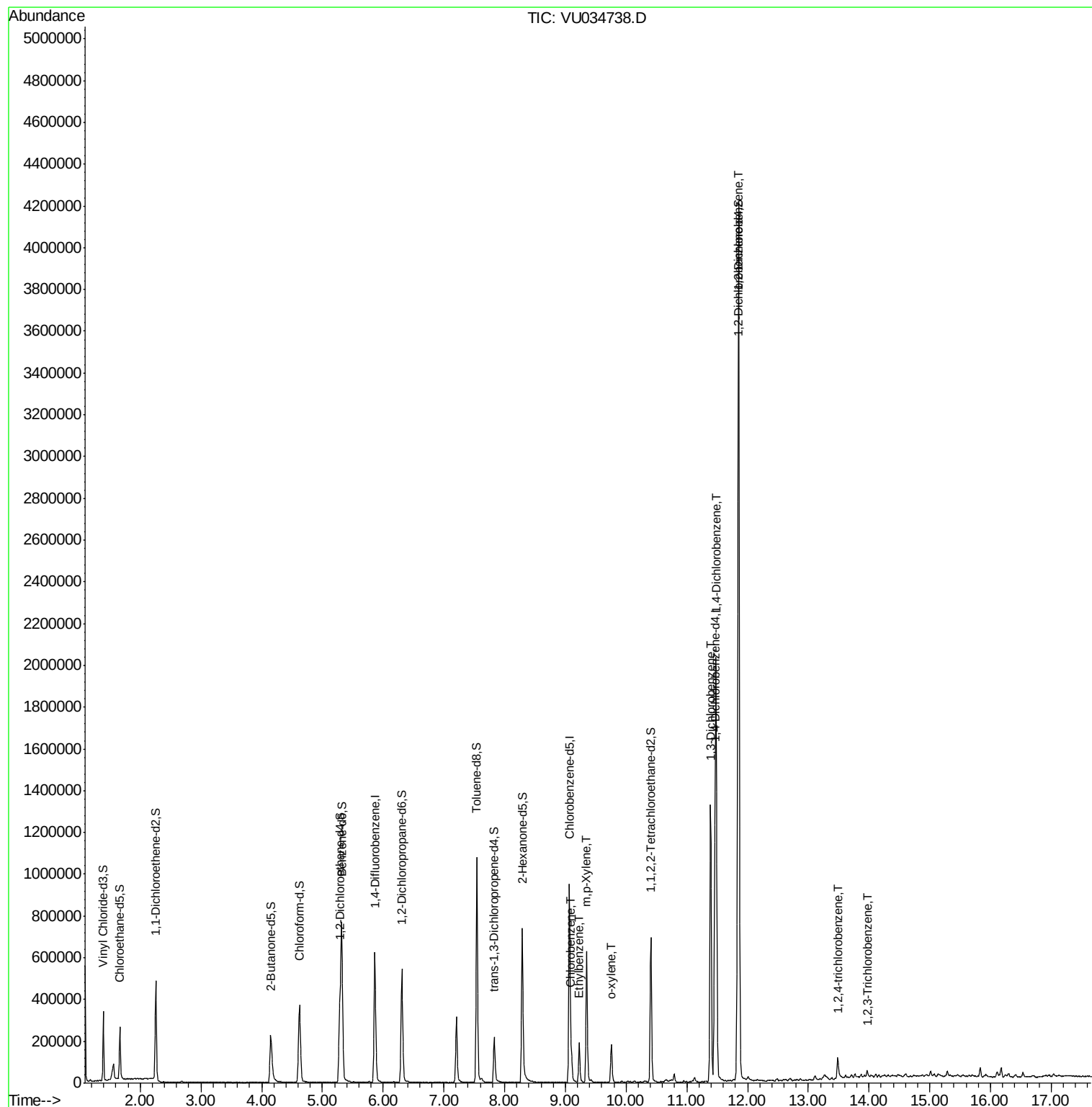
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
51) Chlorobenzene	9.10	112	61862	5.903	ug/L	98
52) Ethylbenzene	9.23	91	126404	6.511	ug/L	96
53) m,p-Xylene	9.35	106	162765	23.672	ug/L	99
54) o-xylene	9.76	106	45058	6.625	ug/L	99
62) 1,3-Dichlorobenzene	11.39	146	474387	61.130	ug/L	95
63) 1,4-Dichlorobenzene	11.48	146	693770	87.760	ug/L	98
65) 1,2-Dichlorobenzene	11.85	146	1396412	178.089	ug/L	98
68) 1,2,4-trichlorobenzene	13.48	180	32426	7.930	ug/L	95
70) 1,2,3-Trichlorobenzene	13.97	180	10079	2.396	ug/L	93

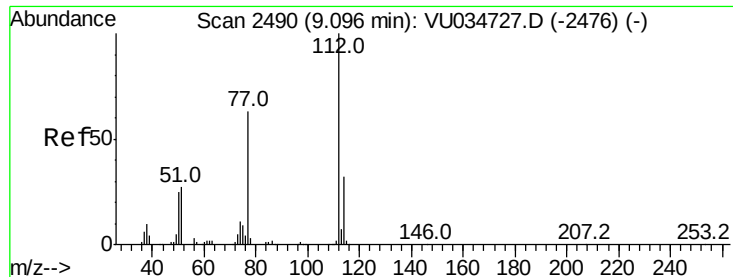
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Sep 24 01:52:59 2019
Response via : Initial Calibration





#51

Chlorobenzene

Concen: 5.903 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034738.D

Acq: 23 Sep 2019 17:02

Instrument :

MSVOA_U

ClientSampleId :

C0AW2

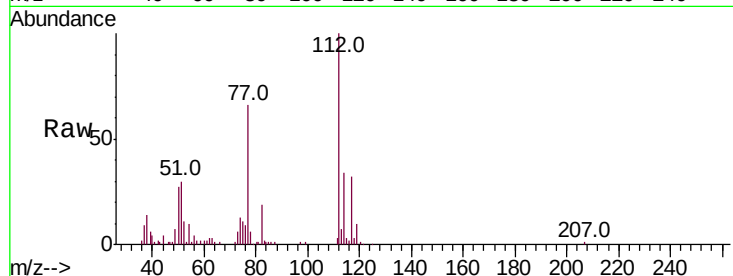
Tot Ion:112 Resp: 61862

Ion Ratio Lower Upper

112 100

114 33.5 22.8 42.4

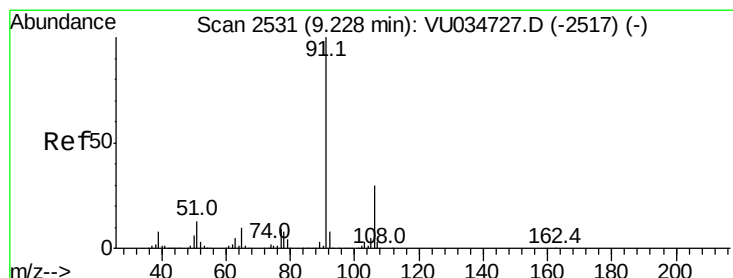
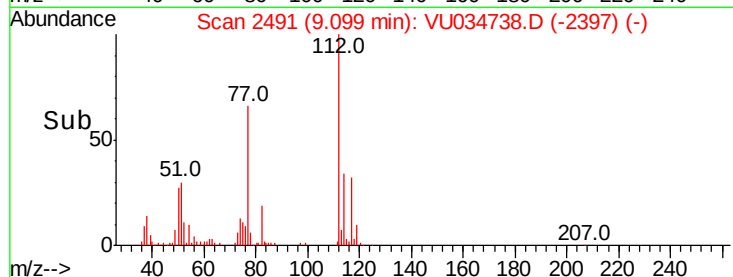
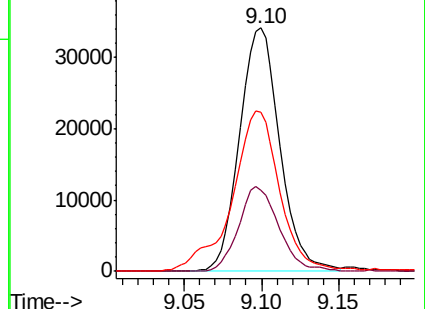
77 65.6 51.5 77.3



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): VU



#52

Ethylbenzene

Concen: 6.511 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034738.D

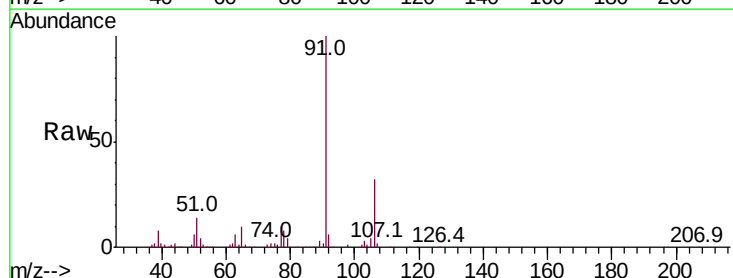
Acq: 23 Sep 2019 17:02

Tgt Ion: 91 Resp: 126404

Ion Ratio Lower Upper

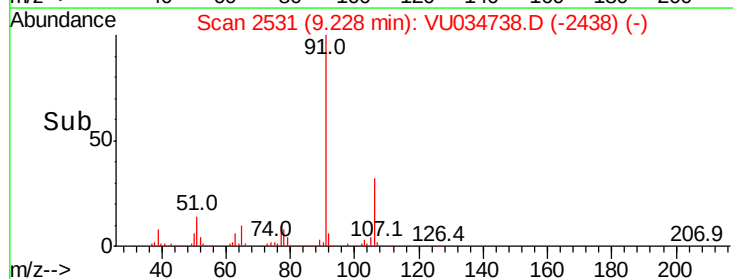
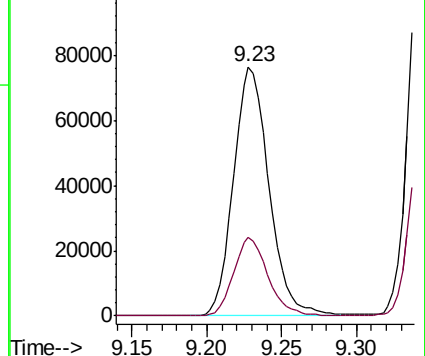
91 100

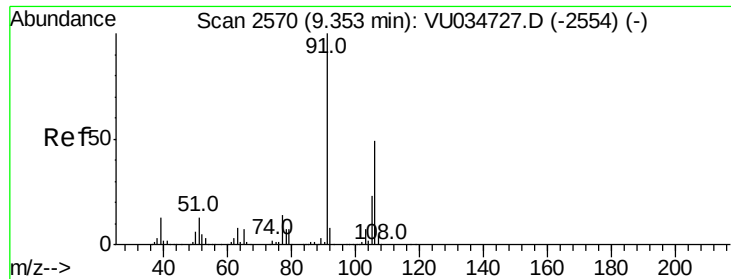
106 31.8 20.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VU

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 23.672 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034738.D

Acq: 23 Sep 2019 17:02

Instrument :

MSVOA_U

ClientSampleId :

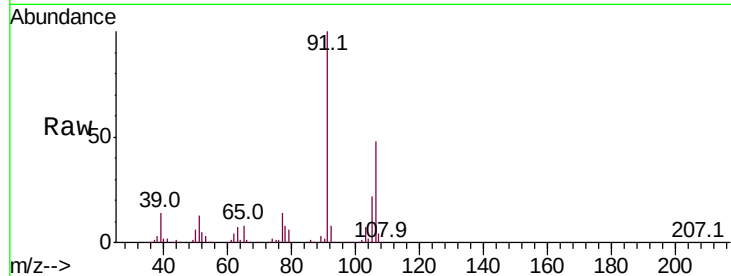
C0AW2

Tot Ion:106 Resp: 162765

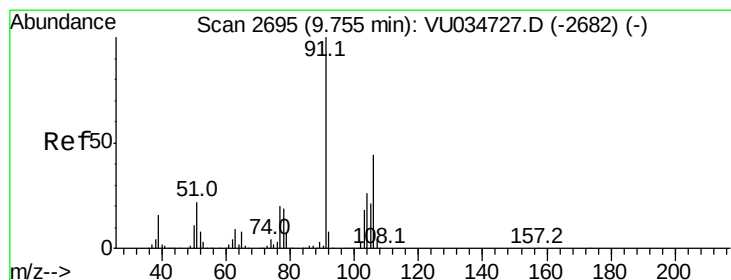
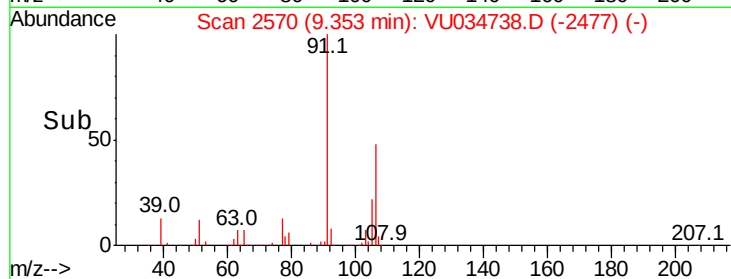
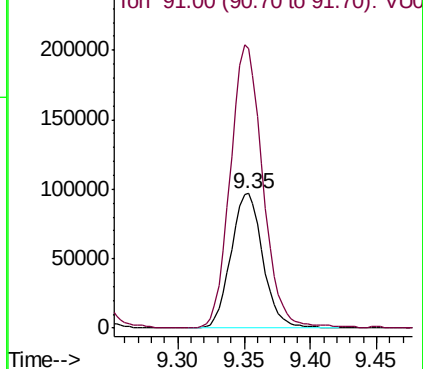
Ion Ratio Lower Upper

106 100

91 207.6 146.9 272.7



Abundance Ion 106.00 (105.70 to 106.70): V



#54

o-xylene

Concen: 6.625 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034738.D

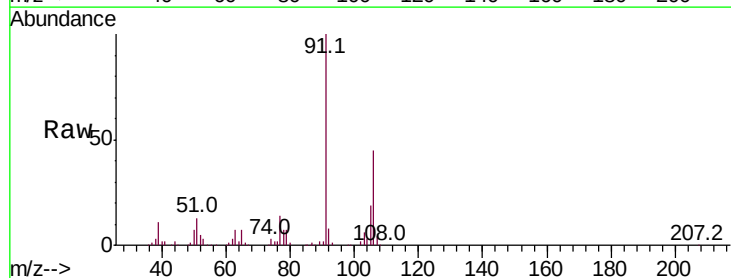
Acq: 23 Sep 2019 17:02

Tgt Ion:106 Resp: 45058

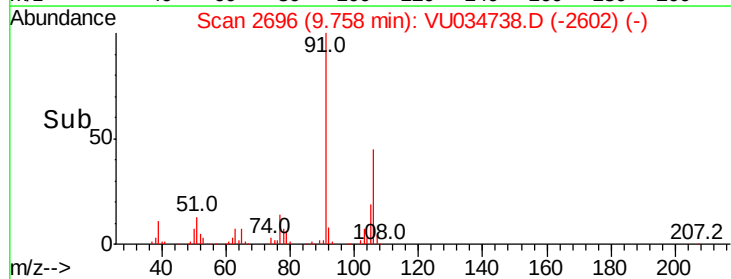
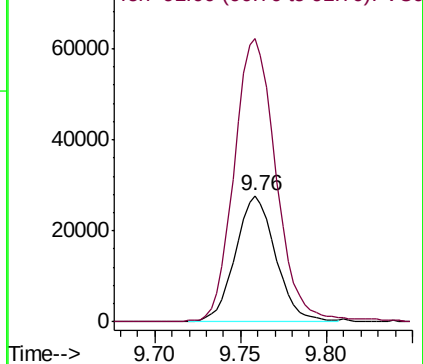
Ion Ratio Lower Upper

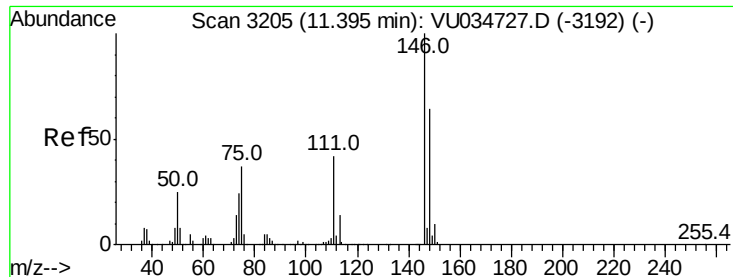
106 100

91 224.5 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V





#62

1,3-Dichlorobenzene

Concen: 61.130 ug/L

RT: 11.39 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU034738.D

Acq: 23 Sep 2019 17:02

Instrument :

MSVOA_U

ClientSampled :

C0AW2

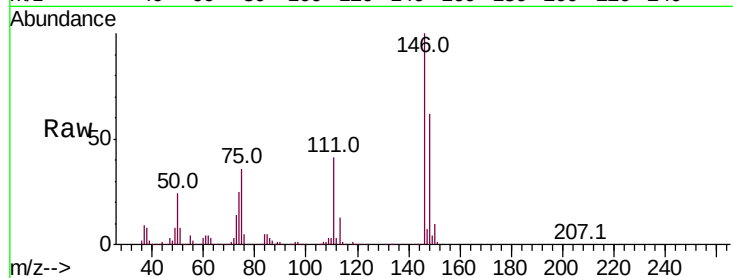
Tot Ion:146 Resp: 474387

Ion Ratio Lower Upper

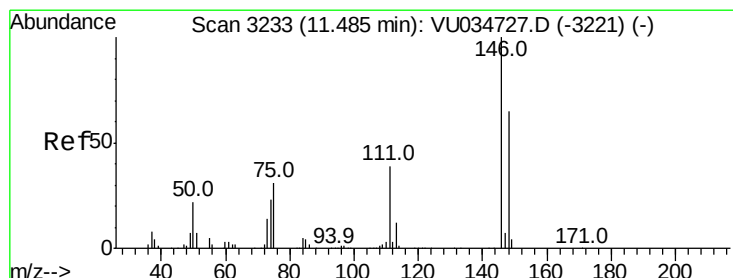
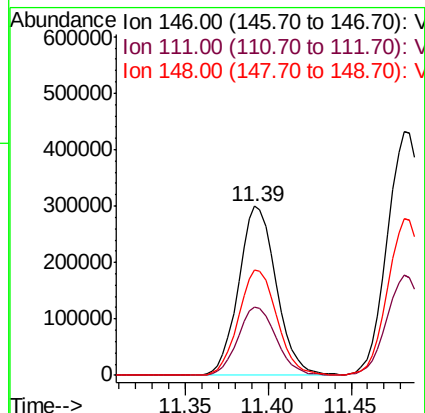
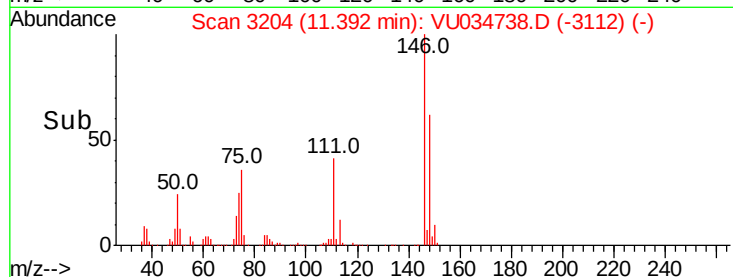
146 100

111 40.5 30.4 56.5

148 62.1 46.1 85.7



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: 87.760 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. -0.00 min

Lab File: VU034738.D

Acq: 23 Sep 2019 17:02

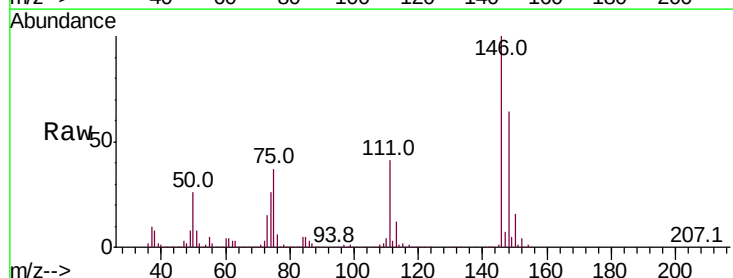
Tgt Ion:146 Resp: 693770

Ion Ratio Lower Upper

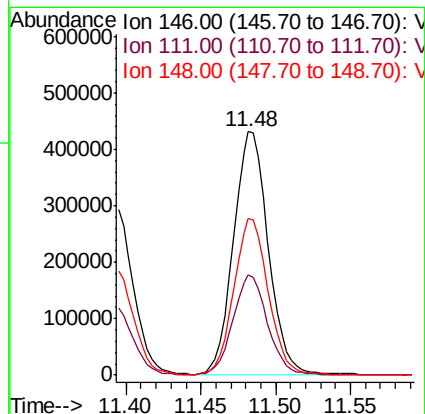
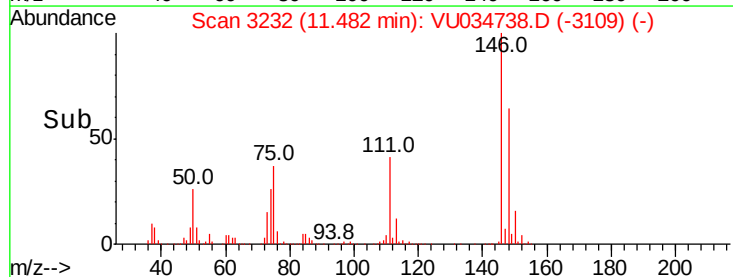
146 100

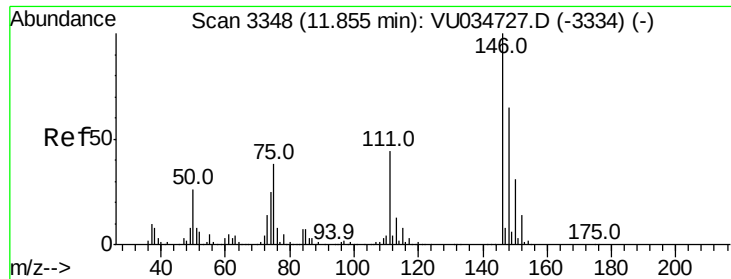
111 41.0 29.5 54.9

148 64.5 44.4 82.4



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: 178.089 ug/L

RT: 11.85 min Scan# 3348

Delta R.T. -0.00 min

Lab File: VU034738.D

Acq: 23 Sep 2019 17:02

Instrument :

MSVOA_U

ClientSampled :

C0AW2

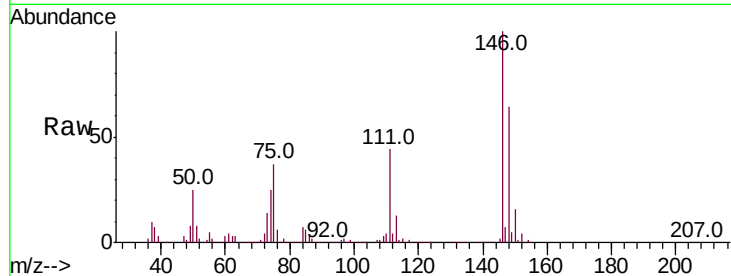
Tot Ion:146 Resp: 1396412

Ion Ratio Lower Upper

146 100

111 44.5 35.2 52.8

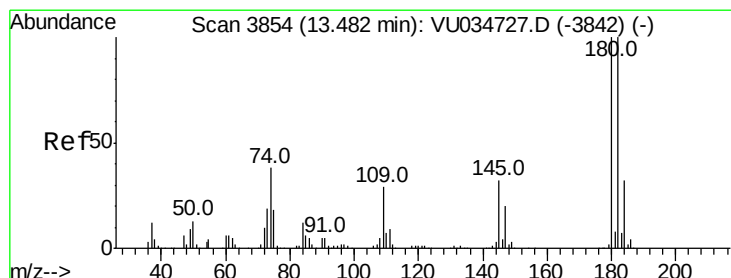
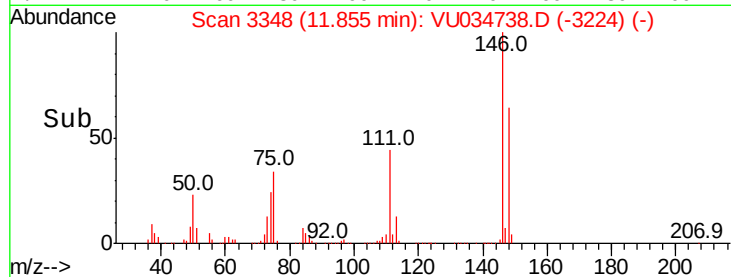
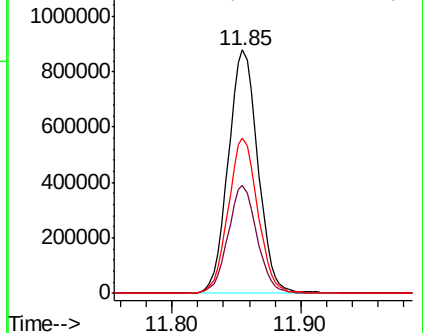
148 63.8 53.0 79.6



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: 7.930 ug/L

RT: 13.48 min Scan# 3855

Delta R.T. 0.00 min

Lab File: VU034738.D

Acq: 23 Sep 2019 17:02

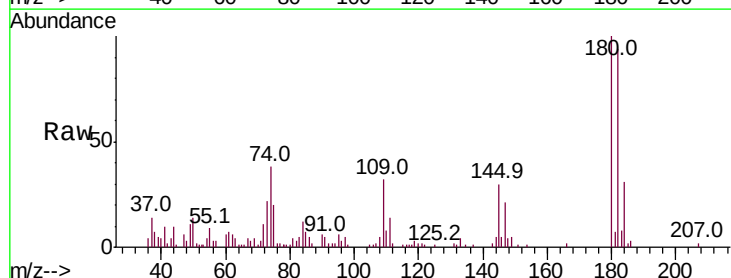
Tgt Ion:180 Resp: 32426

Ion Ratio Lower Upper

180 100

182 99.1 75.7 113.5

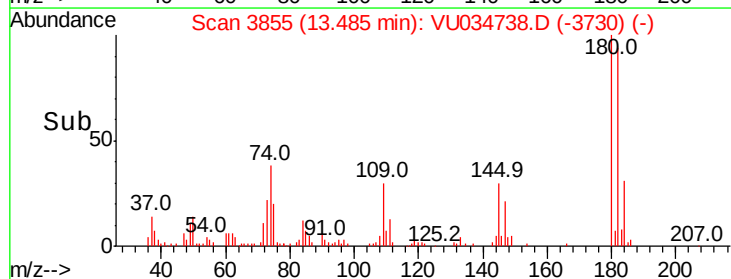
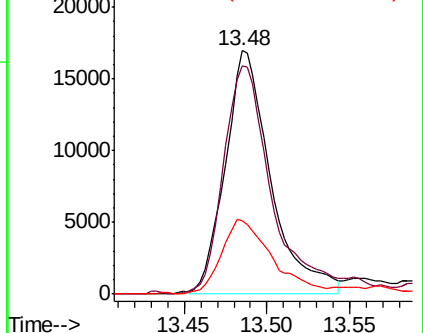
145 33.8 25.2 37.8

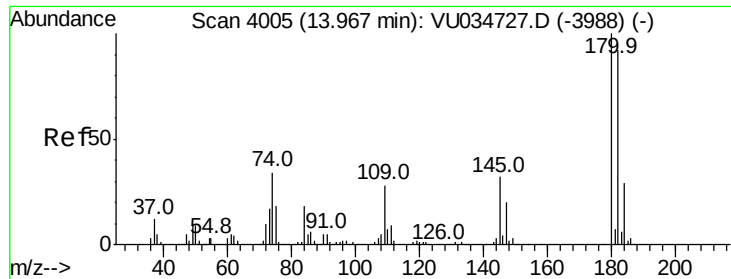


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

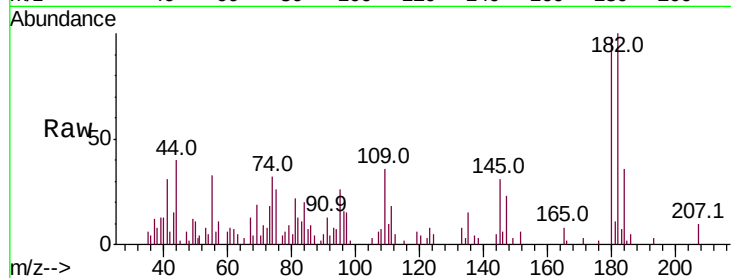




#70
 1,2,3-Trichlorobenzene
 Concen: 2.396 ug/L
 RT: 13.97 min Scan# 4007
 Delta R.T. 0.01 min
 Lab File: VU034738.D
 Acq: 23 Sep 2019 17:02

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AW2

Tot Ion:180 Resp: 10079
 Ion Ratio Lower Upper
 180 100
 182 107.4 79.2 118.8
 145 34.8 26.0 39.0



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

