

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071219\
 Data File : VU033235.D
 Acq On : 12 Jul 2019 20:27
 Operator : JC/SP
 Sample : K3787-05 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C93

Quant Time: Jul 13 01:39:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 13 00:05:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	312520	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	307449	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	147729	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	115880	48.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.96%
7) Chloroethane-d5	1.67	69	104290	51.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.20%
11) 1,1-Dichloroethene-d2	2.26	63	157897	36.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.60%
21) 2-Butanone-d5	4.15	46	141260	94.24	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.24%
24) Chloroform-d	4.62	84	191246	48.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.48%
26) 1,2-Dichloroethane-d4	5.28	65	131339	51.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.30%
32) Benzene-d6	5.32	84	403569	53.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.02%
36) 1,2-Dichloropropane-d6	6.31	67	130198	53.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.78%
41) Toluene-d8	7.55	98	358978	50.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.94%
43) trans-1,3-Dichloropropene-	7.83	79	59314	50.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.14%
47) 2-Hexanone-d5	8.29	63	120402	110.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.54%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	188080	51.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.86%
64) 1,2-Dichlorobenzene-d4	11.85	152	145776	55.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.66%

Target Compounds

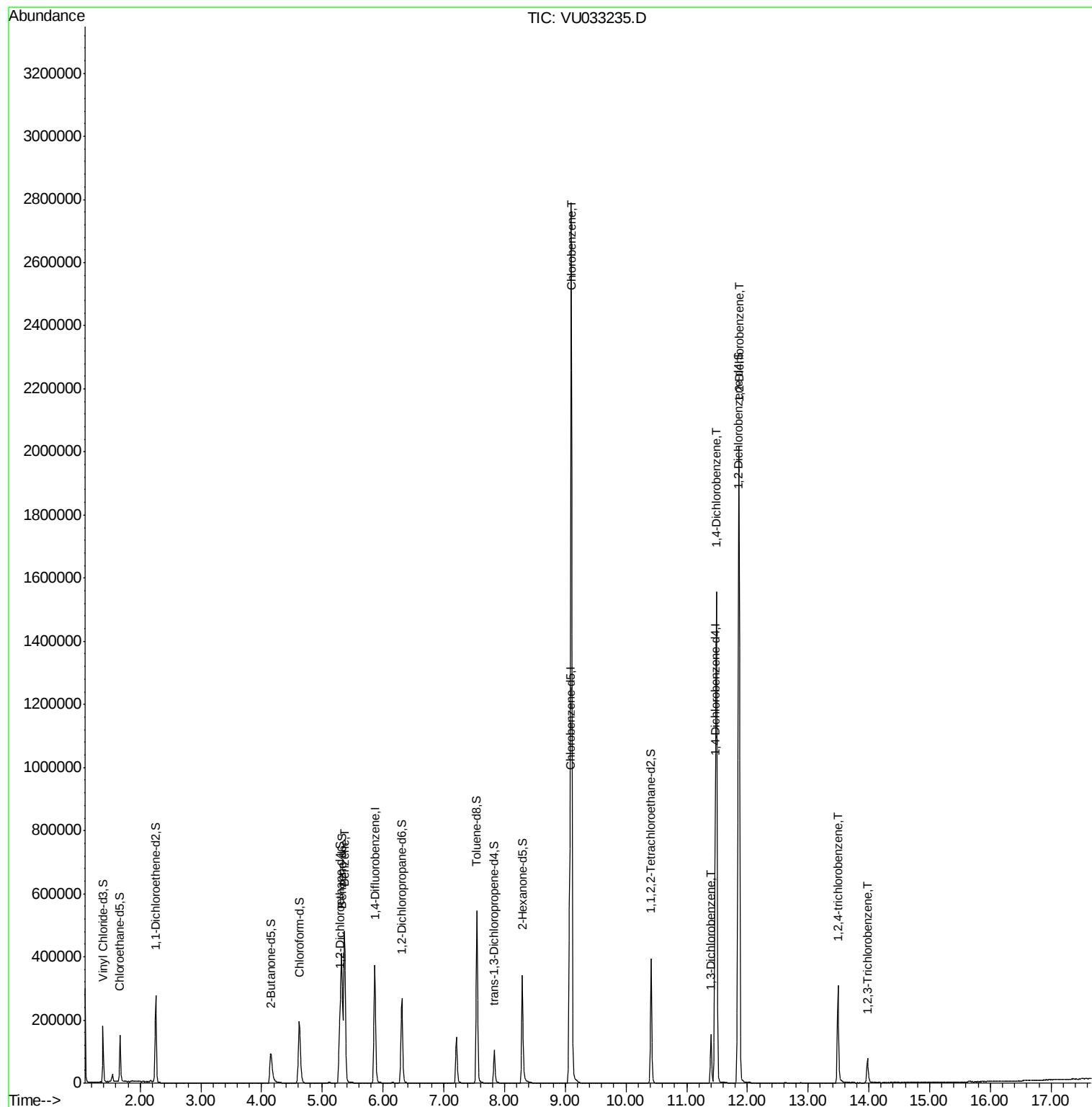
					Ovalue
33) Benzene	5.36	78	479984	53.534	ug/L 100
51) Chlorobenzene	9.10	112	1429590	226.583	ug/L 100
62) 1,3-Dichlorobenzene	11.40	146	62065	13.648	ug/L 99
63) 1,4-Dichlorobenzene	11.49	146	586790	123.412	ug/L 99
65) 1,2-Dichlorobenzene	11.86	146	743630	159.448	ug/L 99
68) 1,2,4-trichlorobenzene	13.49	180	99013	34.492	ug/L 99
70) 1,2,3-Trichlorobenzene	13.98	180	27001	8.664	ug/L 99

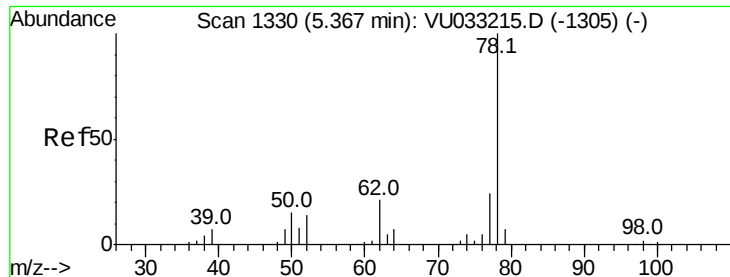
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 13 00:05:57 2019
Response via : Initial Calibration





#33

Benzene

Concen: 53.534 ug/L

RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VU033235.D

Acq: 12 Jul 2019 20:27

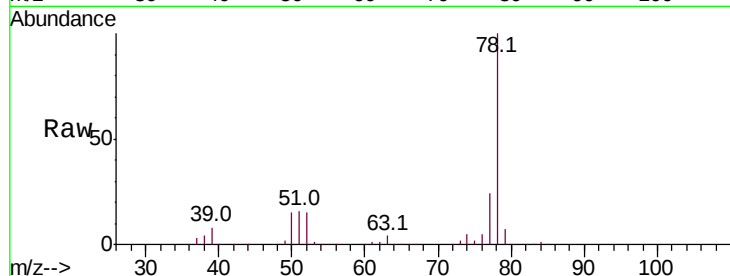
Instrument :

MSVOA_U

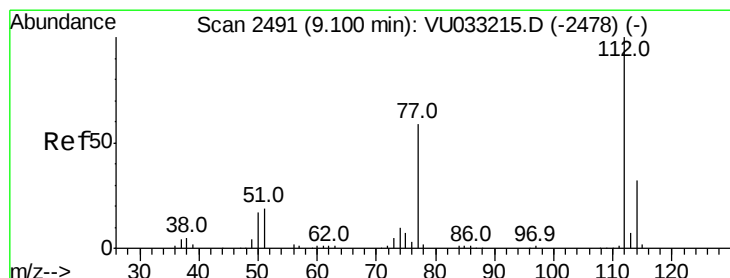
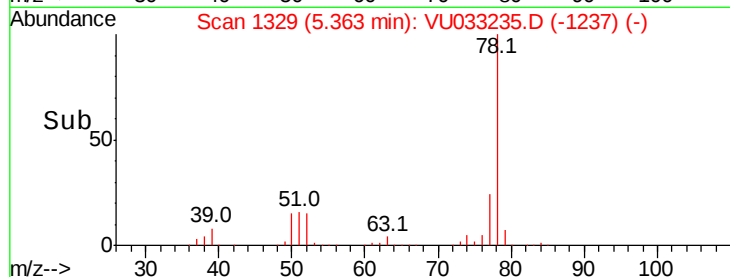
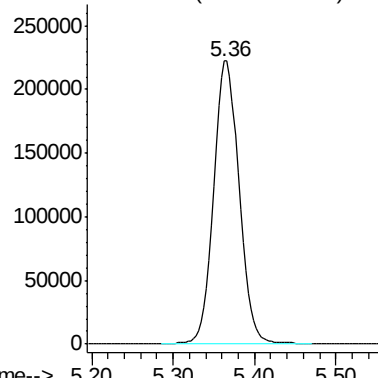
ClientSampleId :

C0C93

Tgt Ion: 78 Resp: 479984



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 226.583 ug/L

RT: 9.10 min Scan# 2491

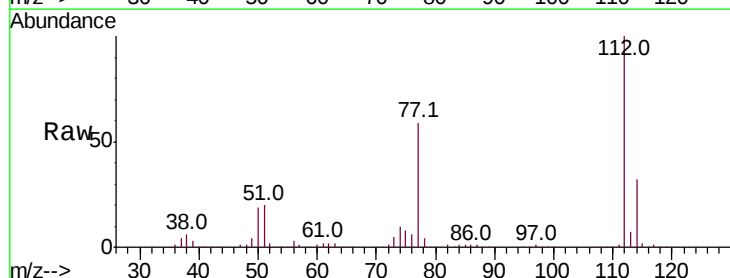
Delta R.T. -0.00 min

Lab File: VU033235.D

Acq: 12 Jul 2019 20:27

Tgt Ion: 112 Resp: 1429590

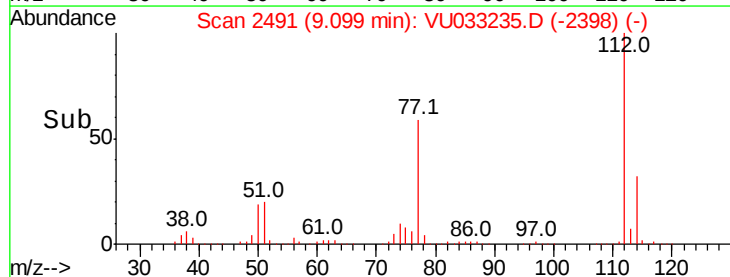
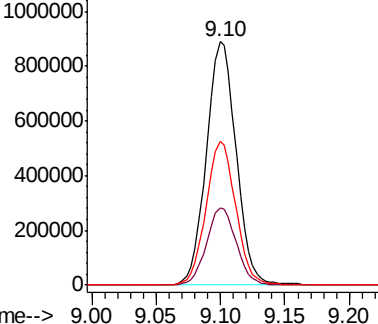
Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.3	41.3
77	59.1	47.2	70.8

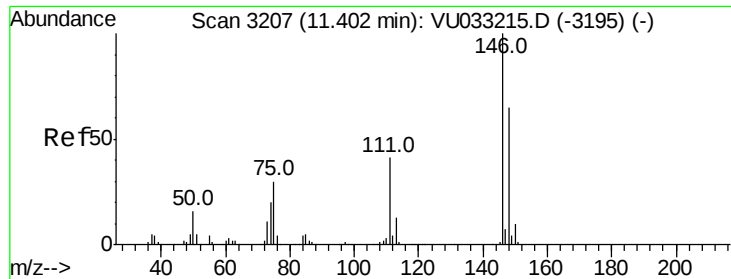


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 13.648 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU033235.D

Acq: 12 Jul 2019 20:27

Instrument :

MSVOA_U

ClientSampleId :

C0C93

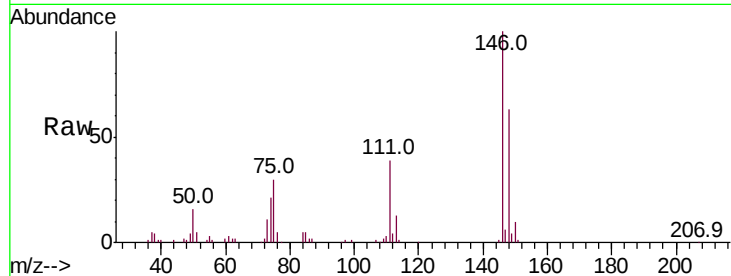
Tot Ion:146 Resp: 62065

Ion Ratio Lower Upper

146 100

111 39.2 28.0 52.0

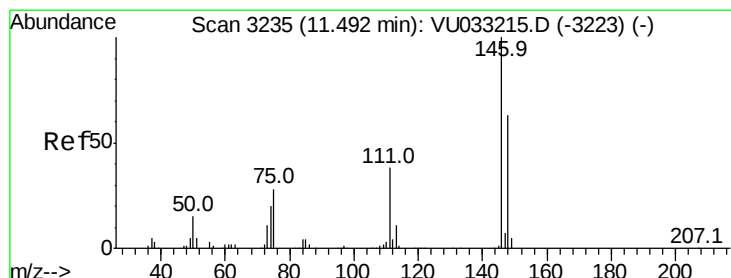
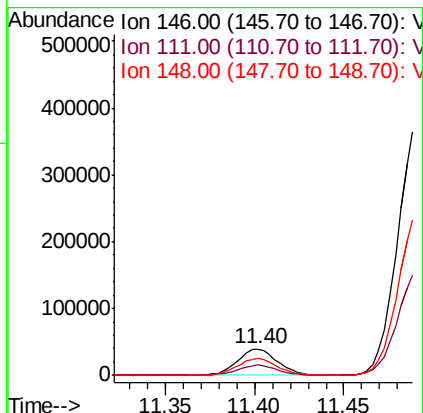
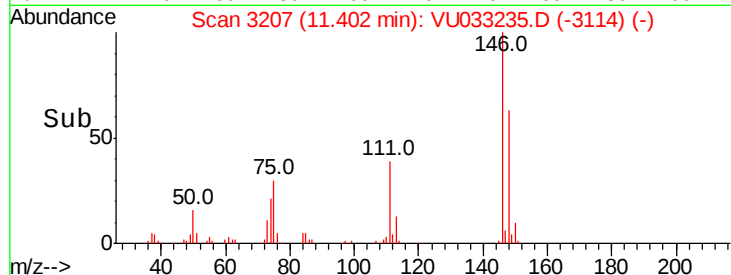
148 63.5 44.7 83.1



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



#63

1,4-Dichlorobenzene

Concen: 123.412 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU033235.D

Acq: 12 Jul 2019 20:27

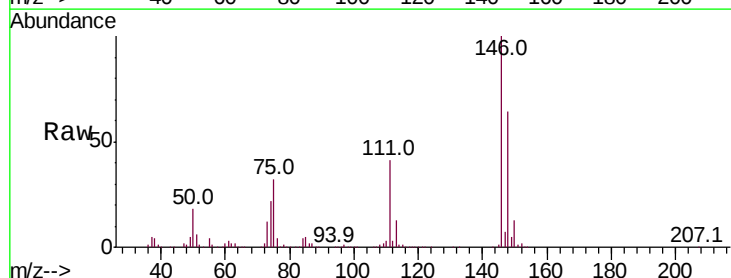
Tgt Ion:146 Resp: 586790

Ion Ratio Lower Upper

146 100

111 40.8 27.8 51.6

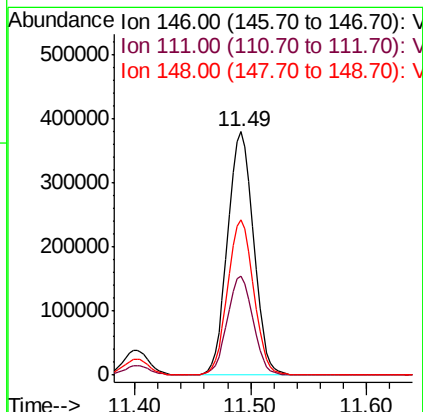
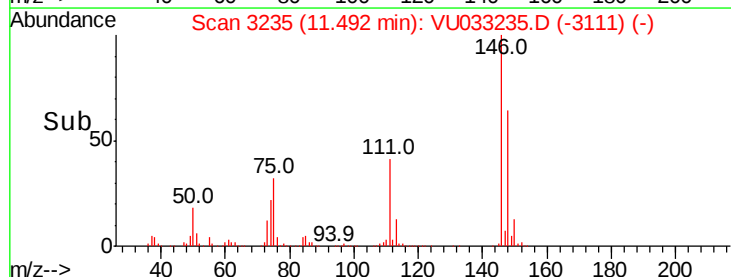
148 63.9 44.6 82.8

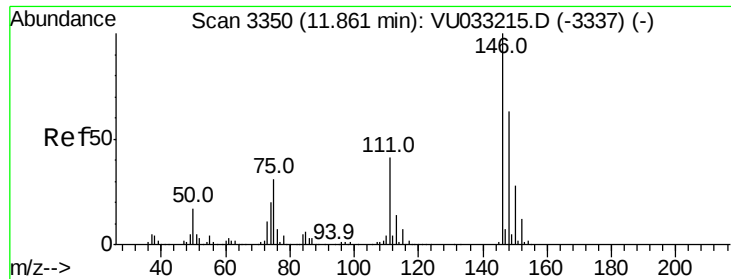


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

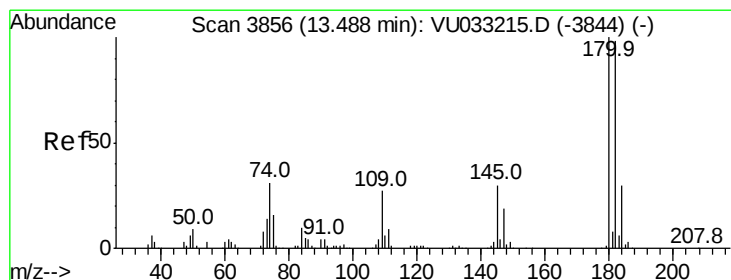
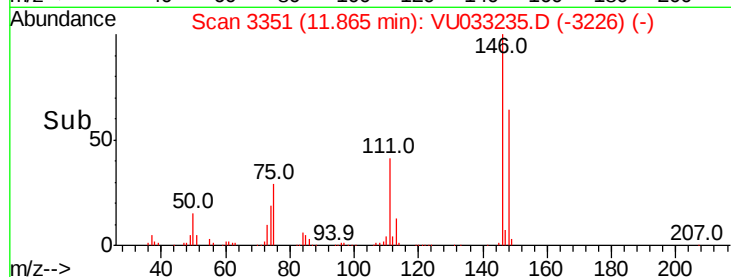
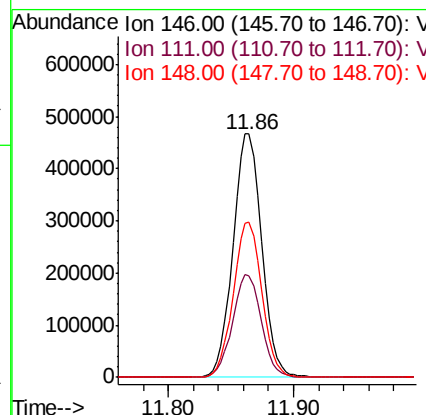
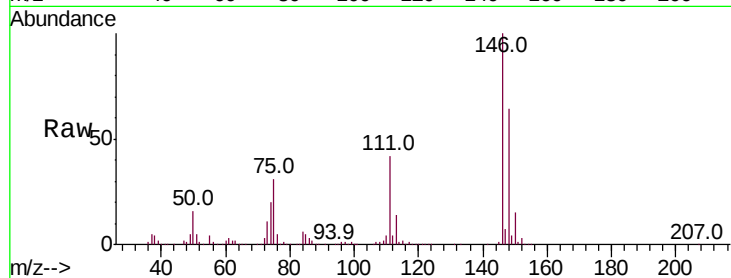




#65
 1,2-Dichlorobenzene
 Concen: 159.448 ug/L
 RT: 11.86 min Scan# 3351
 Delta R.T. 0.00 min
 Lab File: VU033235.D
 Acq: 12 Jul 2019 20:27

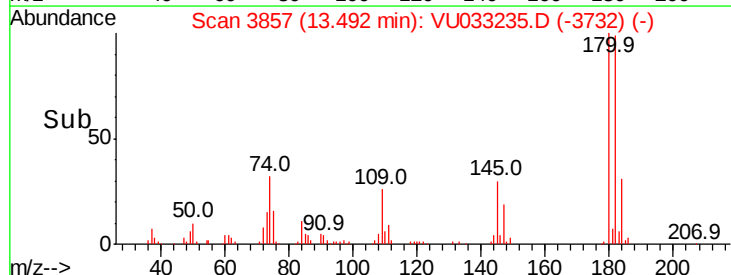
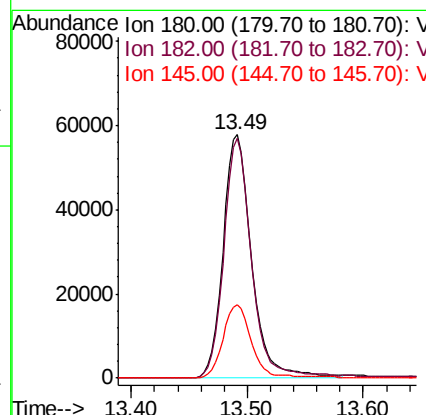
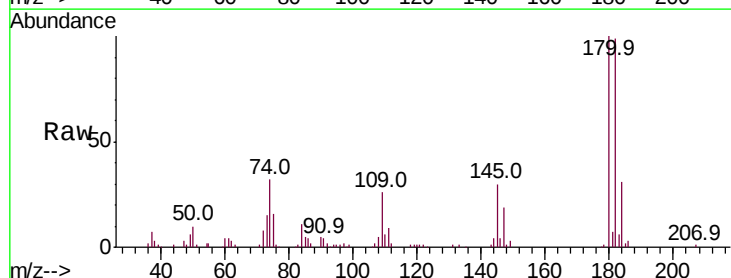
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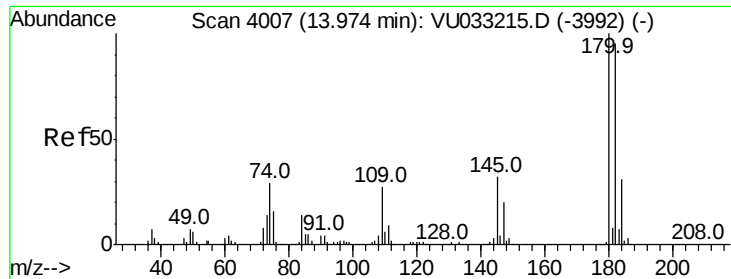
Tot Ion:146 Resp: 743630
 Ion Ratio Lower Upper
 146 100
 111 41.7 34.3 51.5
 148 63.7 51.5 77.3



#68
 1,2,4-trichlorobenzene
 Concen: 34.492 ug/L
 RT: 13.49 min Scan# 3857
 Delta R.T. 0.00 min
 Lab File: VU033235.D
 Acq: 12 Jul 2019 20:27

Tgt Ion:180 Resp: 99013
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.5 114.7
 145 29.7 24.6 36.8

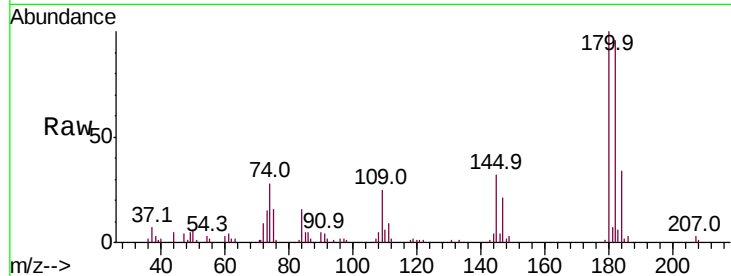




#70
 1,2,3-Trichlorobenzene
 Concen: 8.664 ug/L
 RT: 13.98 min Scan# 4008
 Delta R.T. 0.00 min
 Lab File: VU033235.D
 Acq: 12 Jul 2019 20:27

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C93

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.4	116.2
145	32.4	26.2	39.2



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

