

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071219\
 Data File : VU033237.D
 Acq On : 12 Jul 2019 21:13
 Operator : JC/SP
 Sample : K3787-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C88

Quant Time: Jul 13 01:46:50 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	302584	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	297830	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	138154	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	116735	50.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.92%
7) Chloroethane-d5	1.67	69	103029	52.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.30%
11) 1,1-Dichloroethene-d2	2.25	63	154508	37.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.38%
21) 2-Butanone-d5	4.15	46	162886	112.23	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.23%
24) Chloroform-d	4.62	84	197360	51.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.82%
26) 1,2-Dichloroethane-d4	5.29	65	131330	53.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.68%
32) Benzene-d6	5.32	84	396609	54.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.56%
36) 1,2-Dichloropropane-d6	6.31	67	125868	53.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.56%
41) Toluene-d8	7.55	98	356912	51.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.60%
43) trans-1,3-Dichloropropene-	7.83	79	58714	51.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.32%
47) 2-Hexanone-d5	8.29	63	117884	111.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.73%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	186626	52.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.36%
64) 1,2-Dichlorobenzene-d4	11.85	152	140317	56.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.90%

Target Compounds

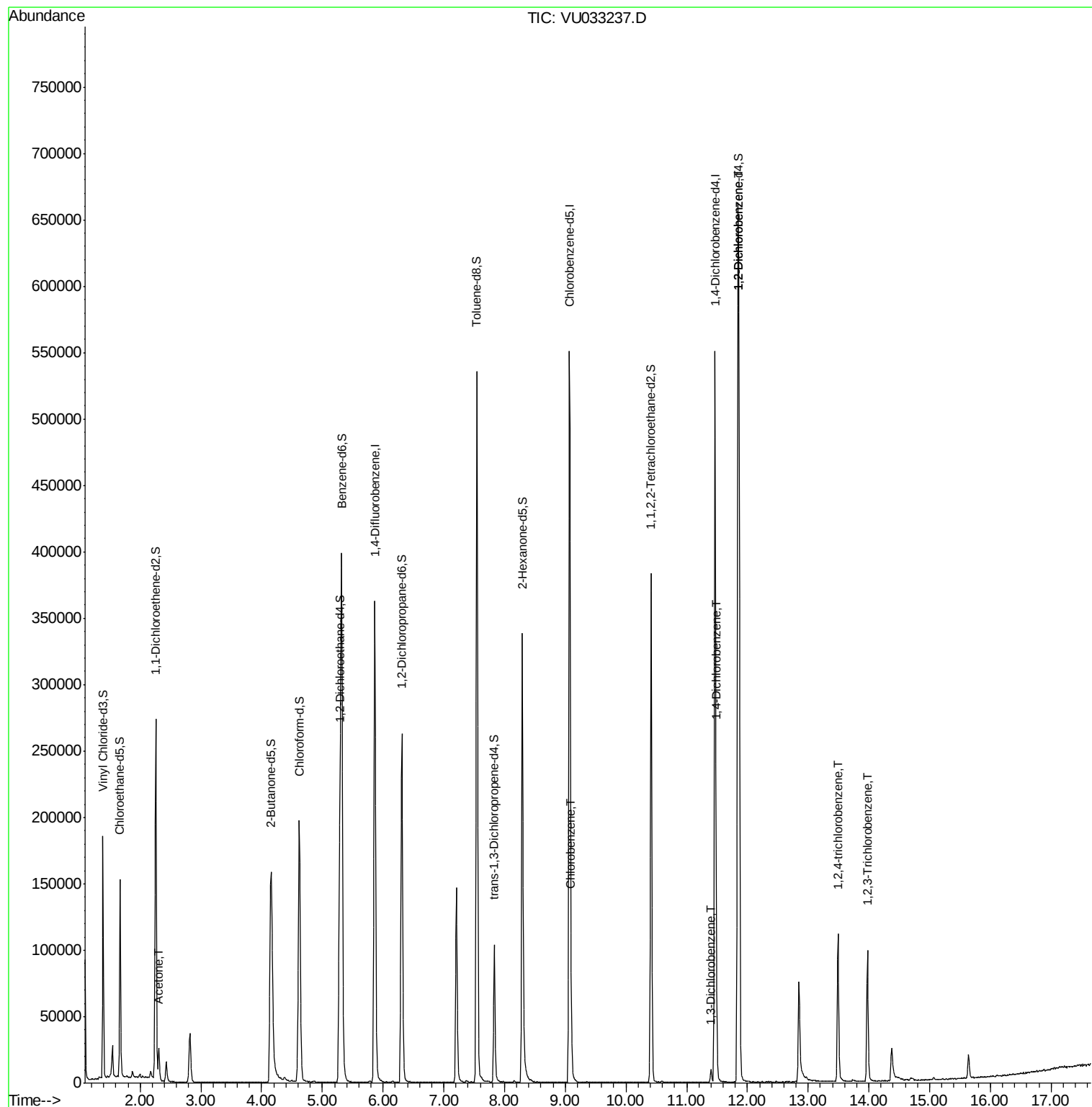
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.31	43	24334	13.419	ug/L	100
51) Chlorobenzene	9.10	112	18806	3.077	ug/L	96
62) 1,3-Dichlorobenzene	11.40	146	4177	0.982	ug/L	80
63) 1,4-Dichlorobenzene	11.49	146	17633	3.966	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	176089	40.374	ug/L	98
68) 1,2,4-trichlorobenzene	13.49	180	35992	13.407	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	32111	11.018	ug/L	98

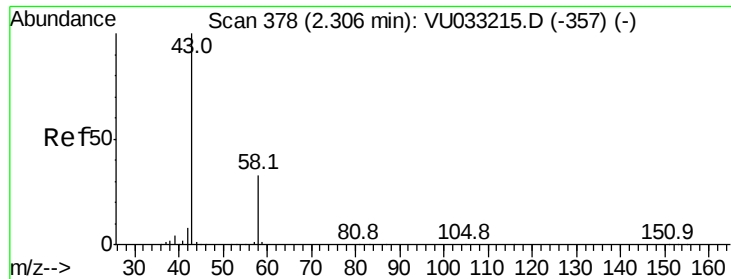
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Jul 13 00:05:57 2019
Response via : Initial Calibration





#13

Acetone

Concen: 13.419 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU033237.D

Acq: 12 Jul 2019 21:13

Instrument :

MSVOA_U

ClientSampleId :

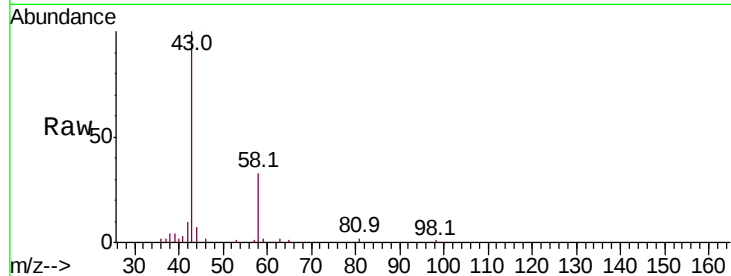
C0C88

Tot Ion: 43 Resp: 24334

Ion Ratio Lower Upper

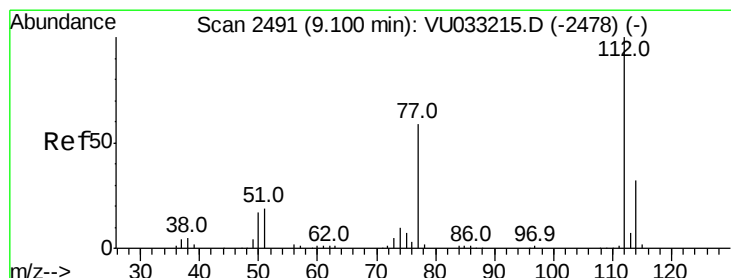
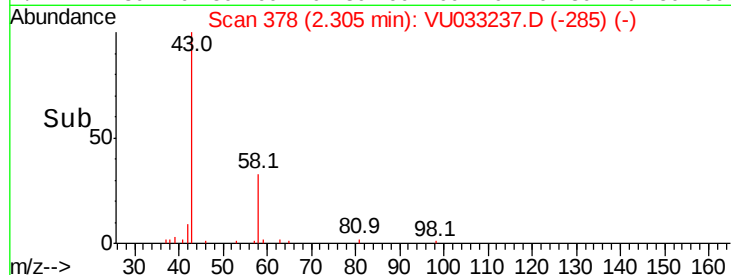
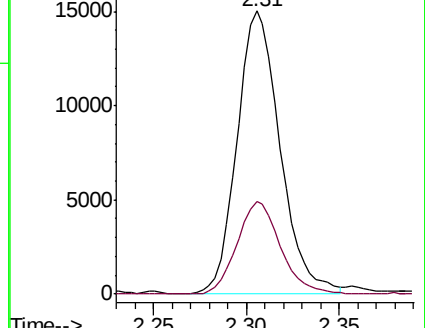
43 100

58 32.9 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU033215.D (-357) (-)

Ion 58.00 (57.70 to 58.70): VU033215.D (-357) (-)



#51

Chlorobenzene

Concen: 3.077 ug/L

RT: 9.10 min Scan# 2492

Delta R.T. 0.00 min

Lab File: VU033237.D

Acq: 12 Jul 2019 21:13

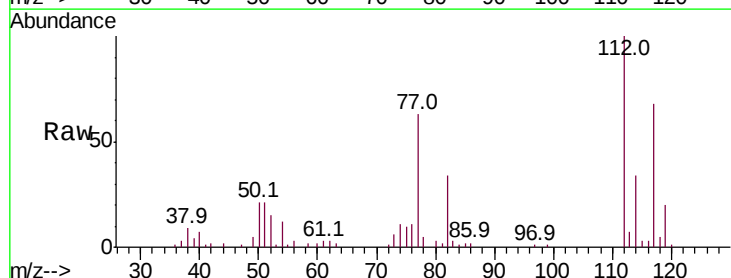
Tgt Ion: 112 Resp: 18806

Ion Ratio Lower Upper

112 100

114 33.6 22.3 41.3

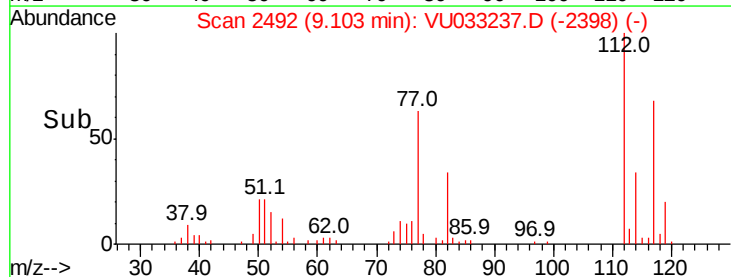
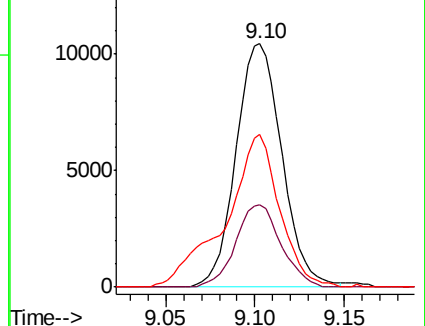
77 62.8 47.2 70.8

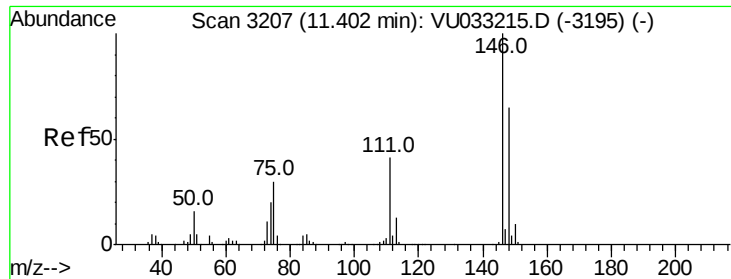


Abundance Ion 112.00 (111.70 to 112.70): VU033215.D (-2478) (-)

Ion 114.00 (113.70 to 114.70): VU033215.D (-2478) (-)

Ion 77.00 (76.70 to 77.70): VU033215.D (-2478) (-)





#62

1,3-Dichlorobenzene

Concen: 0.982 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU033237.D

Acq: 12 Jul 2019 21:13

Instrument :

MSVOA_U

ClientSampleId :

C0C88

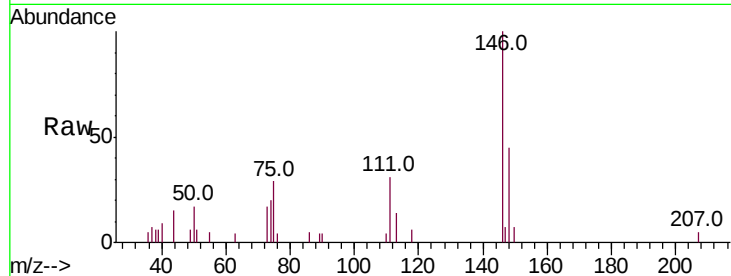
Tot Ion:146 Resp: 4177

Ion Ratio Lower Upper

146 100

111 31.0 28.0 52.0

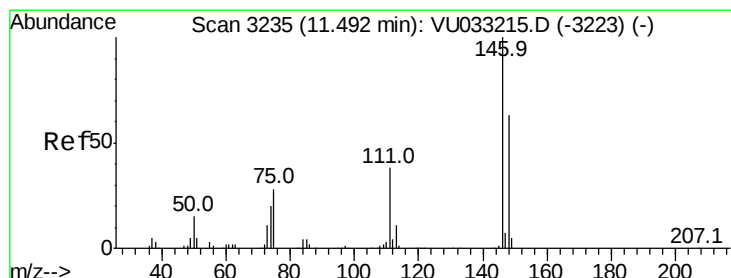
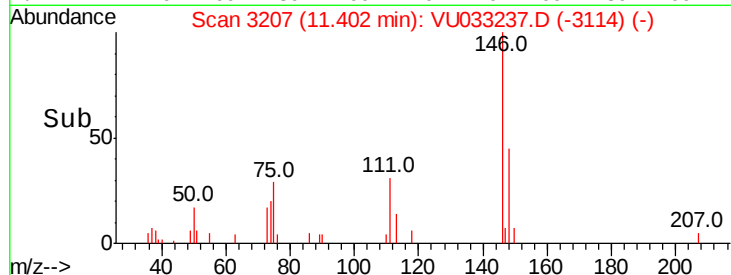
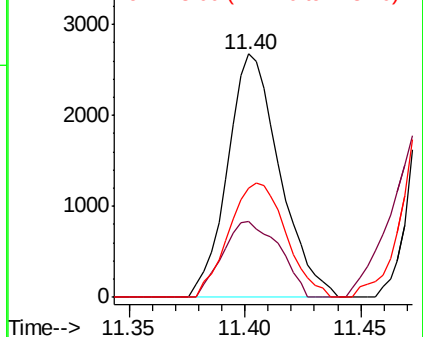
148 45.1 44.7 83.1



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: 3.966 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU033237.D

Acq: 12 Jul 2019 21:13

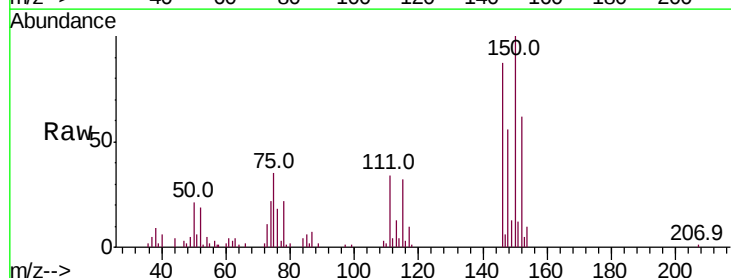
Tgt Ion:146 Resp: 17633

Ion Ratio Lower Upper

146 100

111 39.7 27.8 51.6

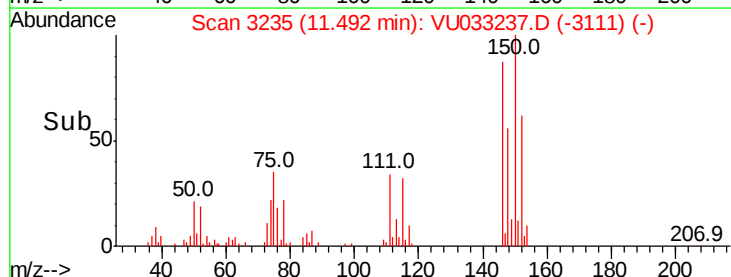
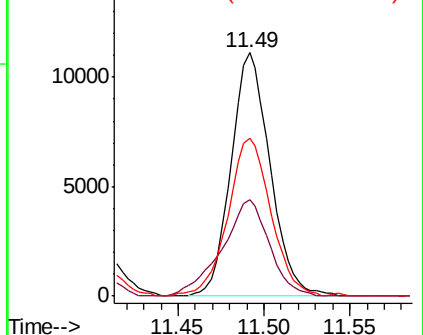
148 64.8 44.6 82.8

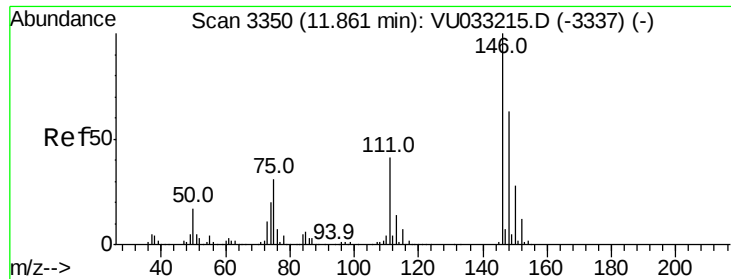


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

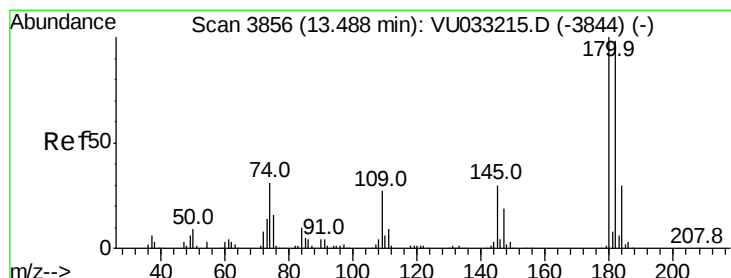
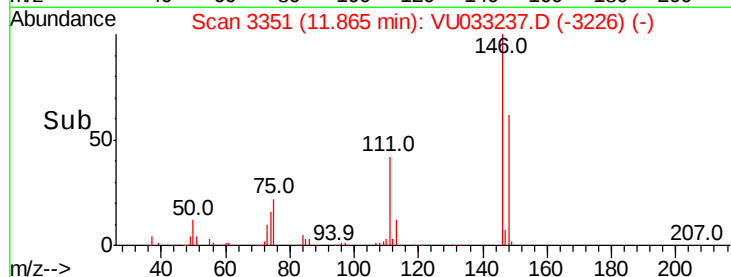
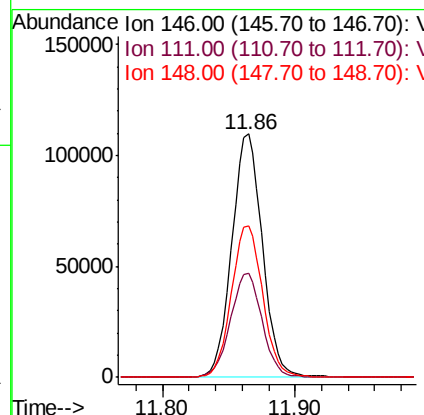
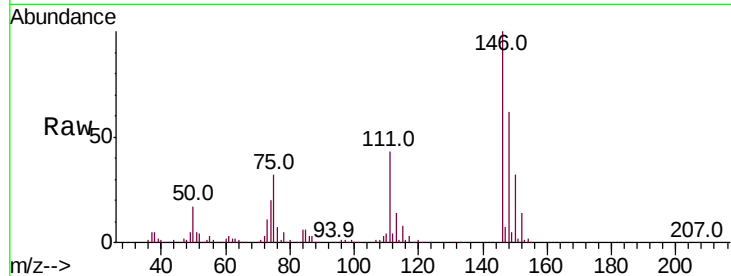




#65
 1,2-Dichlorobenzene
 Concen: 40.374 ug/L
 RT: 11.86 min Scan# 3351
 Delta R.T. 0.00 min
 Lab File: VU033237.D
 Acq: 12 Jul 2019 21:13

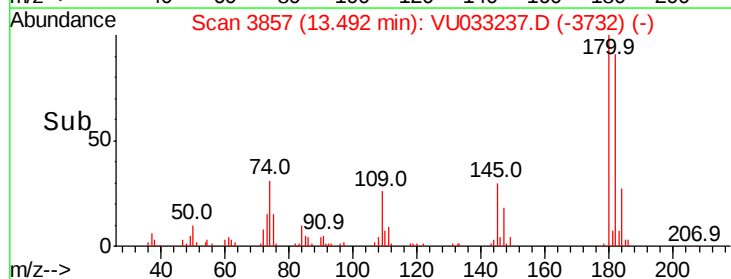
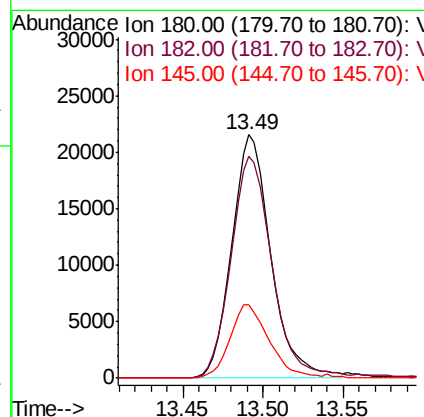
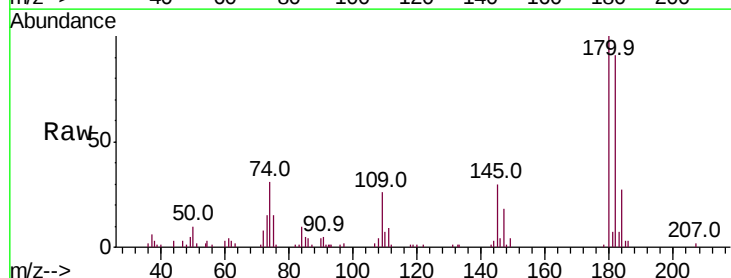
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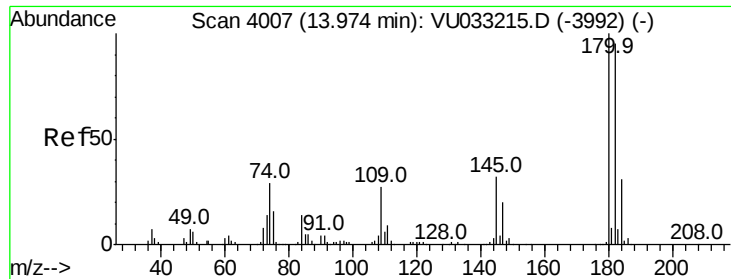
Tot Ion:146 Resp: 176089
 Ion Ratio Lower Upper
 146 100
 111 42.5 34.3 51.5
 148 62.3 51.5 77.3



#68
 1,2,4-trichlorobenzene
 Concen: 13.407 ug/L
 RT: 13.49 min Scan# 3857
 Delta R.T. 0.00 min
 Lab File: VU033237.D
 Acq: 12 Jul 2019 21:13

Tgt Ion:180 Resp: 35992
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.5 114.7
 145 30.0 24.6 36.8

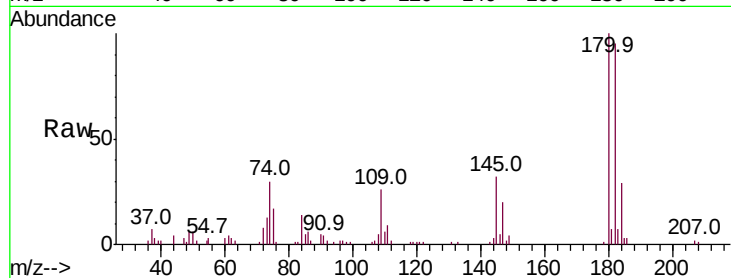




#70
 1,2,3-Trichlorobenzene
 Concen: 11.018 ug/L
 RT: 13.98 min Scan# 4008
 Delta R.T. 0.00 min
 Lab File: VU033237.D
 Acq: 12 Jul 2019 21:13

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C88

Tot Ion:180 Resp: 32111
 Ion Ratio Lower Upper
 180 100
 182 94.9 77.4 116.2
 145 31.8 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

