

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071219\
 Data File : VU033234.D
 Acq On : 12 Jul 2019 20:04
 Operator : JC/SP
 Sample : K3787-05DL 500X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C93DL

Quant Time: Jul 13 01:34:01 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	295925	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	294622	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	133950	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	114889	51.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.58%
7) Chloroethane-d5	1.67	69	103725	54.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.40%
11) 1,1-Dichloroethene-d2	2.25	63	175698	43.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.48%
21) 2-Butanone-d5	4.15	46	157076	110.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.66%
24) Chloroform-d	4.62	84	191114	50.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.82%
26) 1,2-Dichloroethane-d4	5.29	65	130311	54.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.24%
32) Benzene-d6	5.32	84	404533	55.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.94%
36) 1,2-Dichloropropane-d6	6.31	67	128498	55.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.00%
41) Toluene-d8	7.55	98	359481	52.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.48%
43) trans-1,3-Dichloropropene-	7.83	79	58967	51.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.88%
47) 2-Hexanone-d5	8.29	63	118704	113.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.73%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	187178	53.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.84%
64) 1,2-Dichlorobenzene-d4	11.85	152	141006	59.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	118.06%

Target Compounds

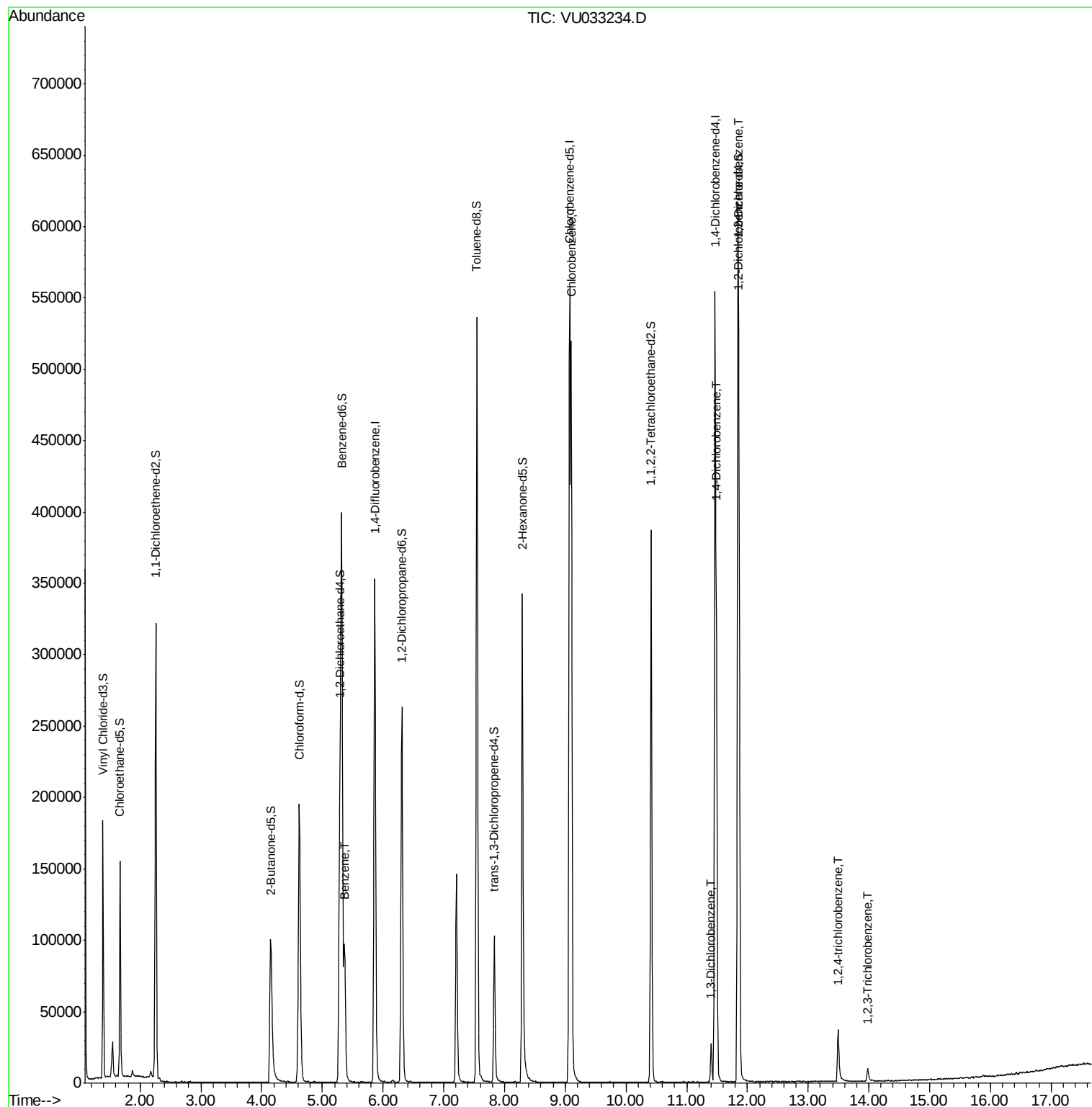
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
33) Benzene	5.37	78	94814	11.035	ug/L	100
51) Chlorobenzene	9.10	112	263774	43.627	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	11098	2.692	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	103070	23.907	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	132322	31.291	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	13717	5.270	ug/L	97
70) 1,2,3-Trichlorobenzene	13.98	180	3844	1.360	ug/L	96

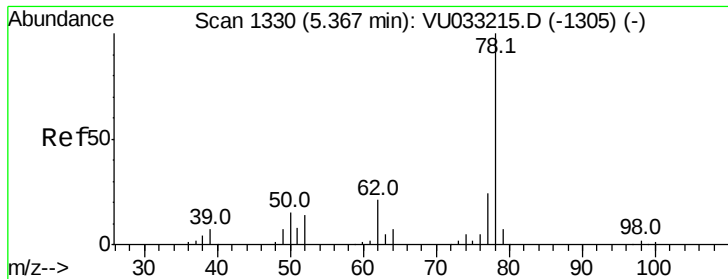
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#33

Benzene

Concen: 11.035 ug/L

RT: 5.37 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VU033234.D

Acq: 12 Jul 2019 20:04

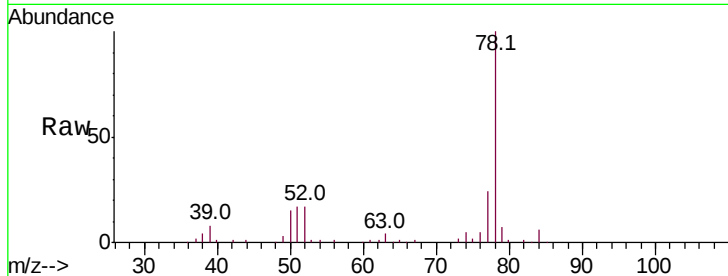
Instrument :

MSVOA_U

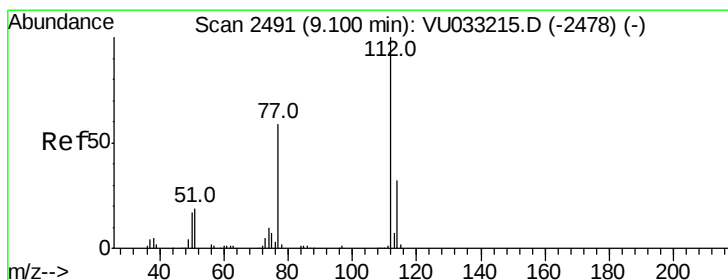
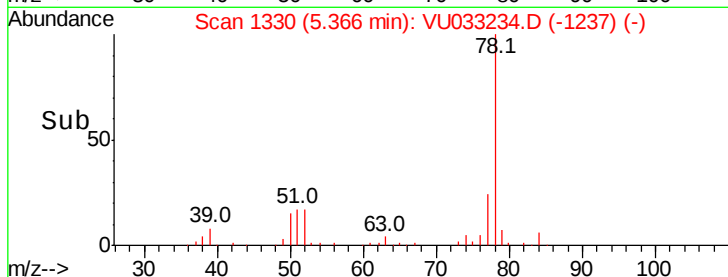
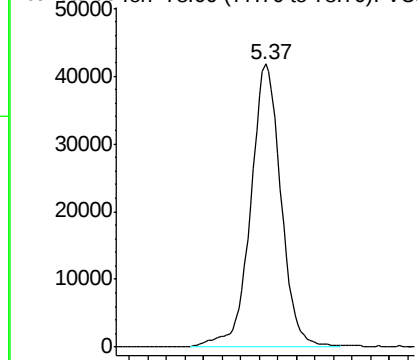
ClientSampleId :

C0C93DL

Tgt Ion: 78 Resp: 94814



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 43.627 ug/L

RT: 9.10 min Scan# 2492

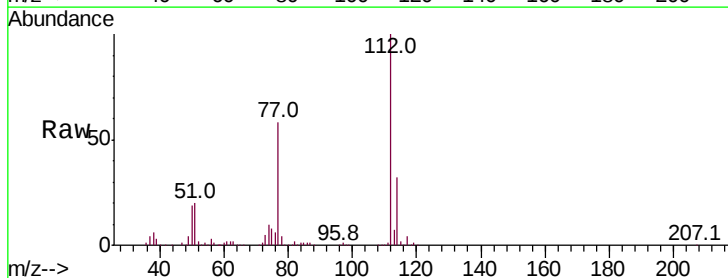
Delta R.T. 0.00 min

Lab File: VU033234.D

Acq: 12 Jul 2019 20:04

Tgt Ion: 112 Resp: 263774

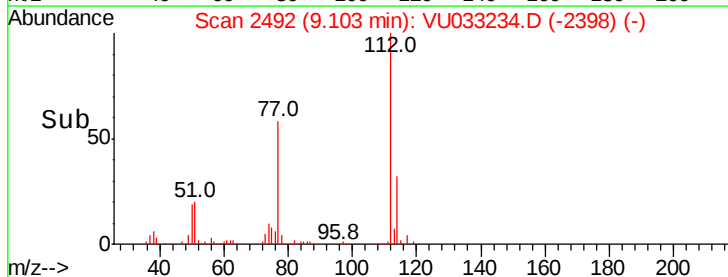
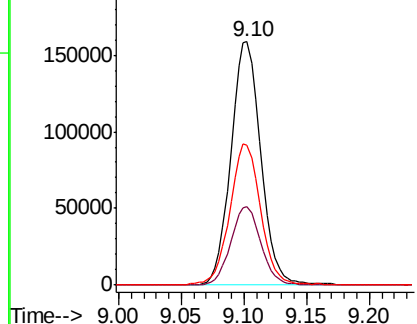
Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.3	41.3
77	57.6	47.2	70.8

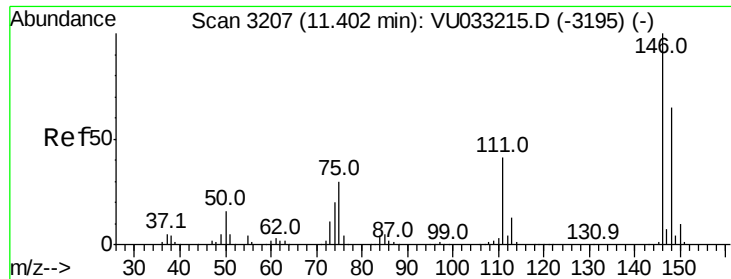


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0

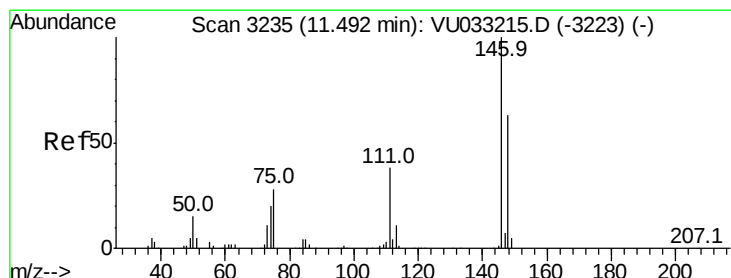
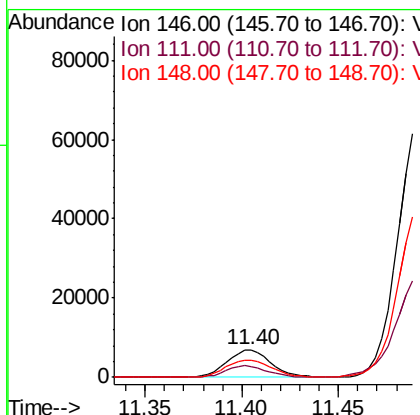
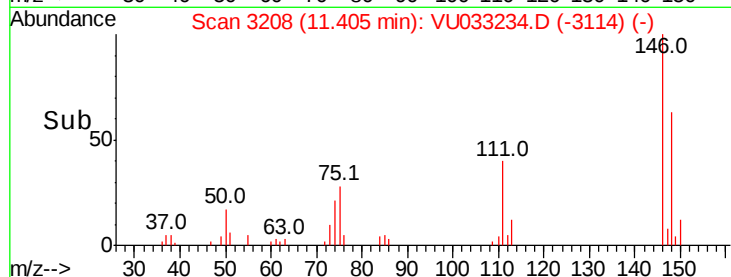
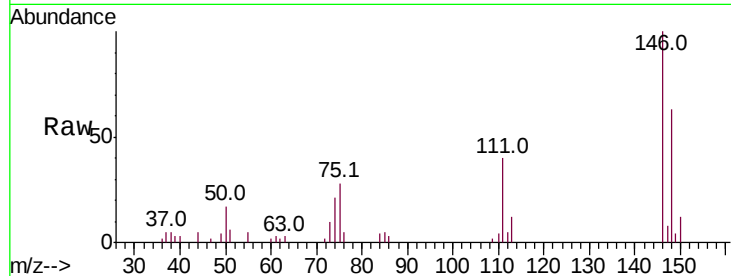




#62
 1,3-Dichlorobenzene
 Concen: 2.692 ug/L
 RT: 11.40 min Scan# 3208
 Delta R.T. 0.00 min
 Lab File: VU033234.D
 Acq: 12 Jul 2019 20:04

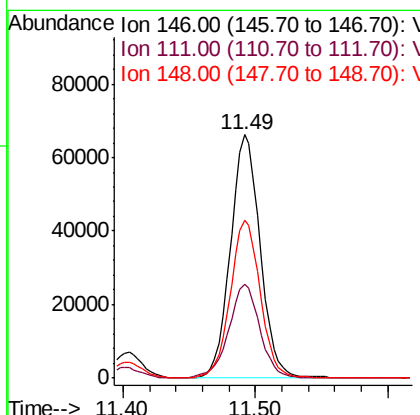
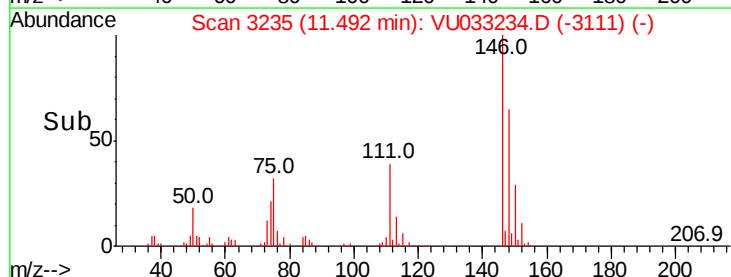
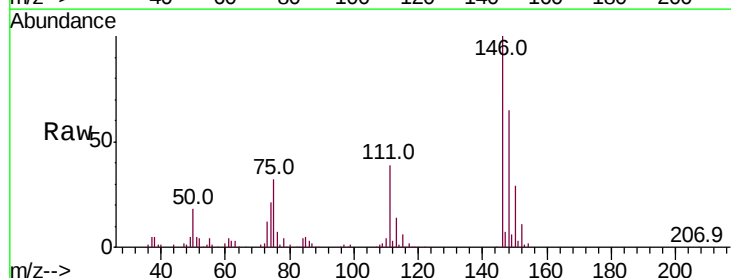
Instrument :
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 ClientSampleId :
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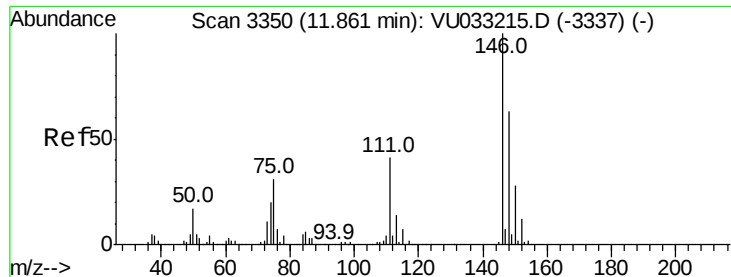
Tot Ion:146 Resp: 11098
 Ion Ratio Lower Upper
 146 100
 111 39.8 28.0 52.0
 148 62.8 44.7 83.1



#63
 1,4-Dichlorobenzene
 Concen: 23.907 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU033234.D
 Acq: 12 Jul 2019 20:04

Tgt Ion:146 Resp: 103070
 Ion Ratio Lower Upper
 146 100
 111 38.6 27.8 51.6
 148 64.6 44.6 82.8

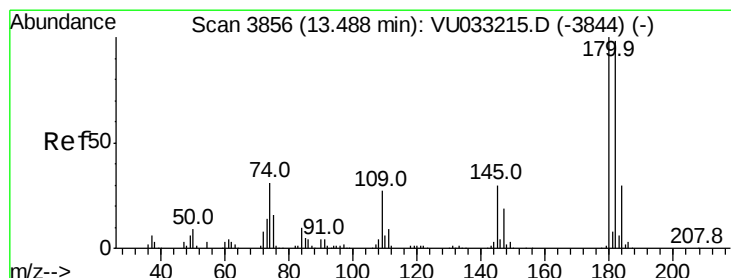
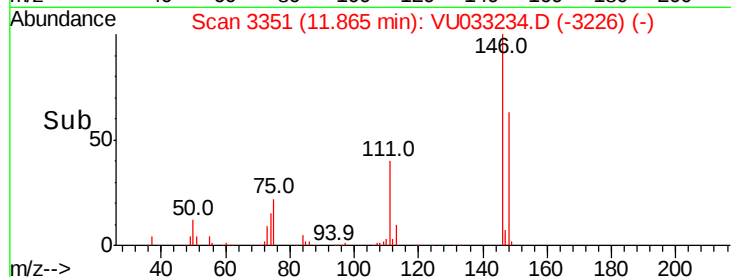
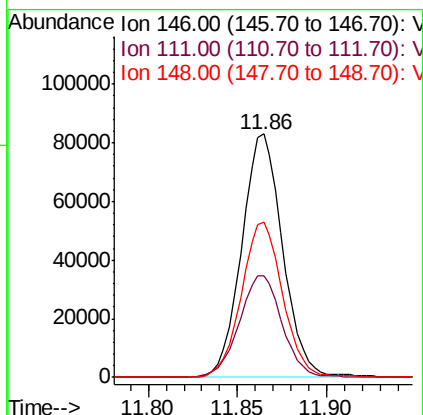
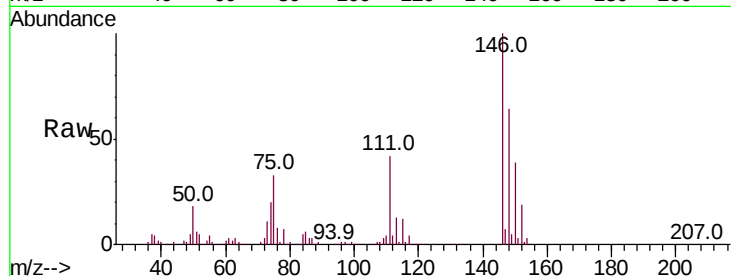




#65
 1,2-Dichlorobenzene
 Concen: 31.291 ug/L
 RT: 11.86 min Scan# 3351
 Delta R.T. 0.00 min
 Lab File: VU033234.D
 Acq: 12 Jul 2019 20:04

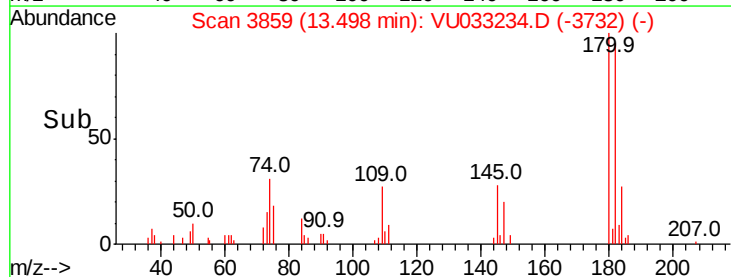
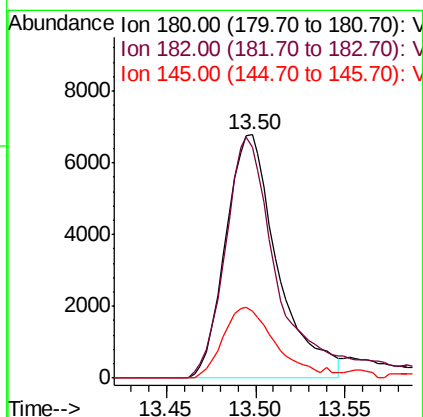
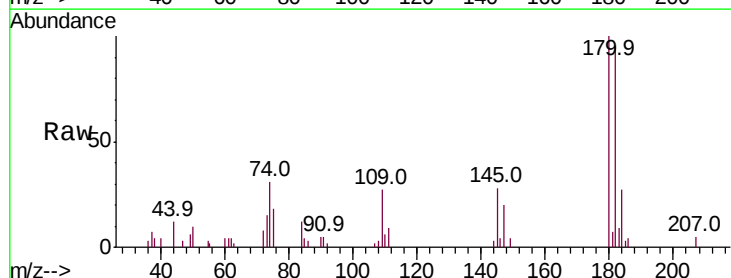
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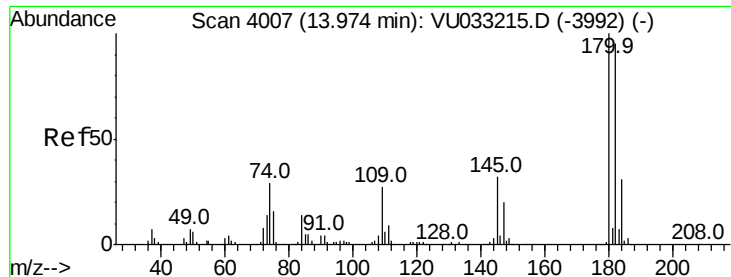
Tot Ion:146 Resp: 132322
 Ion Ratio Lower Upper
 146 100
 111 41.7 34.3 51.5
 148 64.0 51.5 77.3



#68
 1,2,4-trichlorobenzene
 Concen: 5.270 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.01 min
 Lab File: VU033234.D
 Acq: 12 Jul 2019 20:04

Tgt Ion:180 Resp: 13717
 Ion Ratio Lower Upper
 180 100
 182 98.6 76.5 114.7
 145 29.1 24.6 36.8

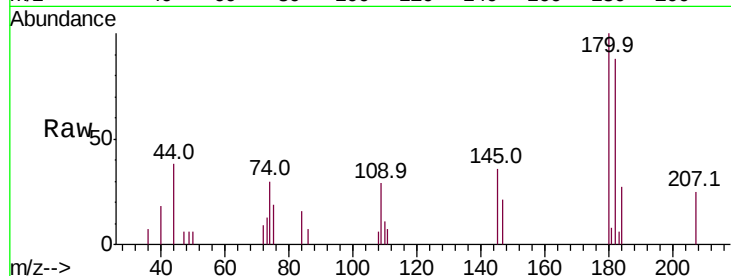




#70
 1,2,3-Trichlorobenzene
 Concen: 1.360 ug/L
 RT: 13.98 min Scan# 4008
 Delta R.T. 0.00 min
 Lab File: VU033234.D
 Acq: 12 Jul 2019 20:04

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C93DL

Tot Ion:180 Resp: 3844
 Ion Ratio Lower Upper
 180 100
 182 98.6 77.4 116.2
 145 27.5 26.2 39.2



Abundance Ion 180.00 (179.70 to 180.70): V
 2500 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

