

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042120\
 Data File : VU037834.D
 Acq On : 21 Apr 2020 18:53
 Operator : JC/MD
 Sample : L2317-05 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 22 02:19:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 22 02:16:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	541596	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	523832	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	261160	50.00	ug/L	0.00

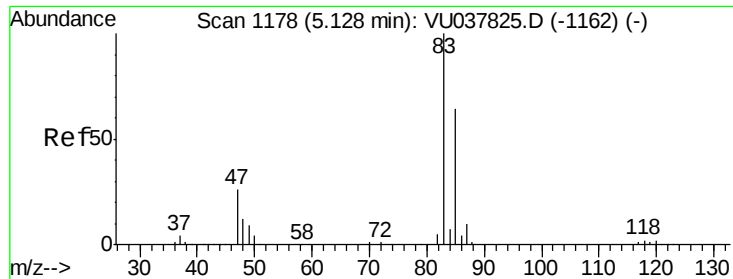
System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	189549	39.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.30%
7) Chloroethane-d5	1.93	69	165103	41.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.60%
11) 1,1-Dichloroethene-d2	2.59	63	247128	30.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.38%
21) 2-Butanone-d5	4.66	46	348690	88.23	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.23%
24) Chloroform-d	5.10	84	322233	41.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.48%
26) 1,2-Dichloroethane-d4	5.74	65	232955	43.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.54%
32) Benzene-d6	5.76	84	688821	42.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.84%
36) 1,2-Dichloropropane-d6	6.72	67	234990	43.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.06%
41) Toluene-d8	7.92	98	621915	41.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.76%
43) trans-1,3-Dichloropropene-	8.20	79	114549	41.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.96%
47) 2-Hexanone-d5	8.65	63	244591	85.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.71%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	315922	42.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.10%
64) 1,2-Dichlorobenzene-d4	12.20	152	228388	41.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
25) Chloroform	5.13	83	12123	1.596	ug/L	95
27) 1,2-Dichloroethane	5.81	62	6885	1.051	ug/L #	76
33) Benzene	5.81	78	650622	37.894	ug/L	100
51) Chlorobenzene	9.47	112	2584393	227.608	ug/L	99
59) 1,2,3-Trichloropropane	11.76	75	44734	6.921	ug/L #	44
62) 1,3-Dichlorobenzene	11.76	146	134662	15.244	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	959014	107.523	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	1206069	138.398	ug/L	99
67) 1,3,5-Trichlorobenzene	13.87	180	173375	27.036	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	173375	28.421	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	46918	7.729	ug/L	99

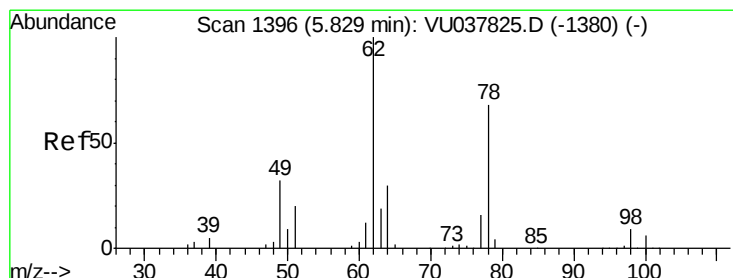
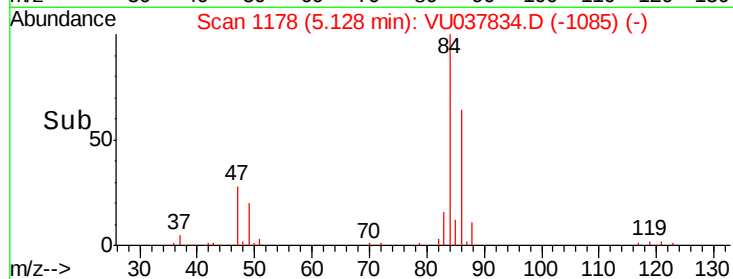
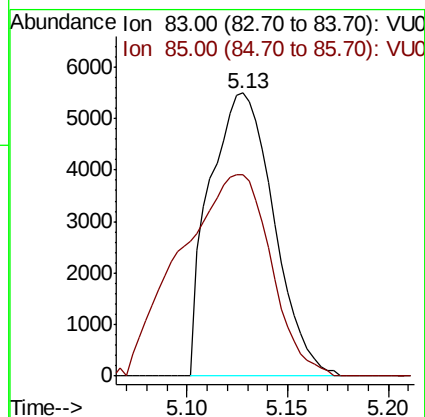
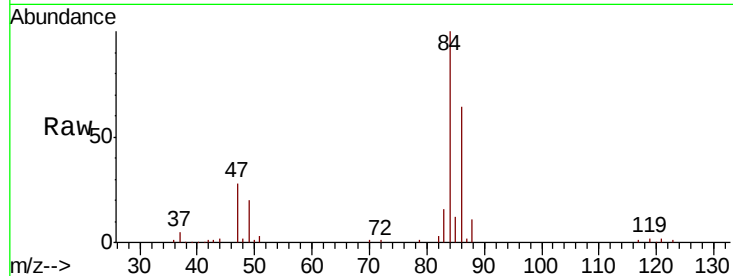
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#25
Chloroform
Concen: 1.596 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037834.D
Acq: 21 Apr 2020 18:53

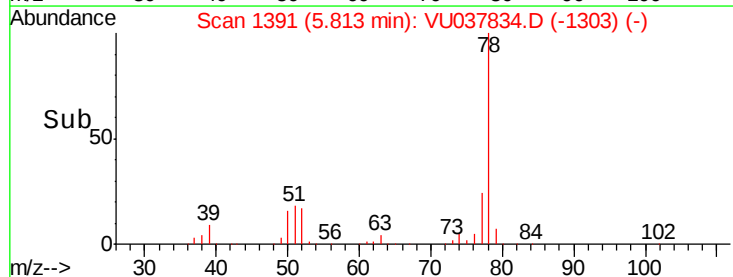
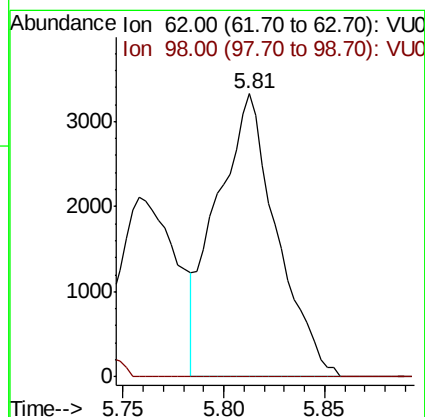
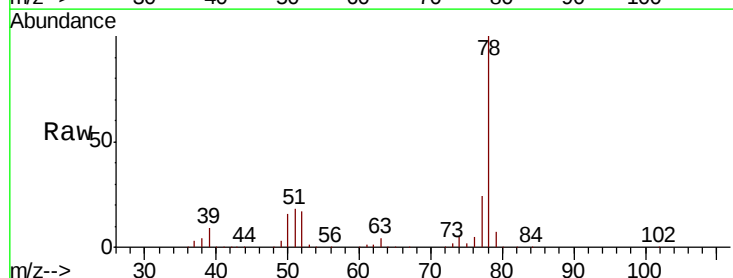
Instrument :
MSVOA_U
ClientSampleId :

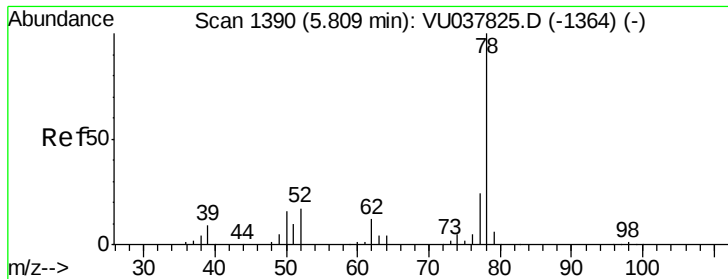
Tot Ion: 83 Resp: 12123
Ion Ratio Lower Upper
83 100
85 71.4 46.9 87.1



#27
1,2-Dichloroethane
Concen: 1.051 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.02 min
Lab File: VU037834.D
Acq: 21 Apr 2020 18:53

Tgt Ion: 62 Resp: 6885
Ion Ratio Lower Upper
62 100
98 0.0 7.0 10.6#





#33

Benzene

Concen: 37.894 ug/L

RT: 5.81 min Scan# 1390

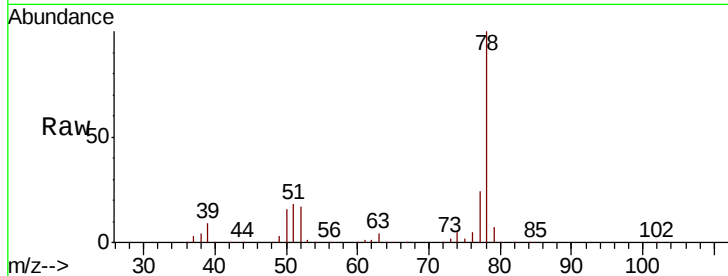
Delta R.T. 0.00 min

Lab File: VU037834.D

Acq: 21 Apr 2020 18:53

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 650622



Abundance Ion 78.00 (77.70 to 78.70): VU0

5.81

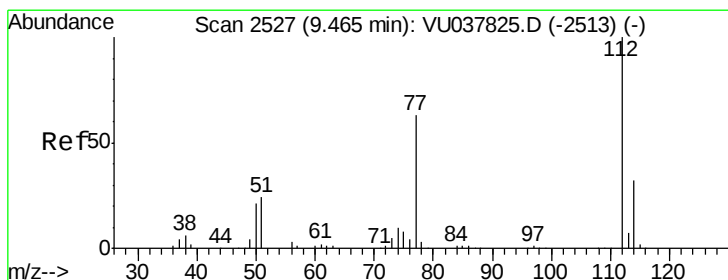
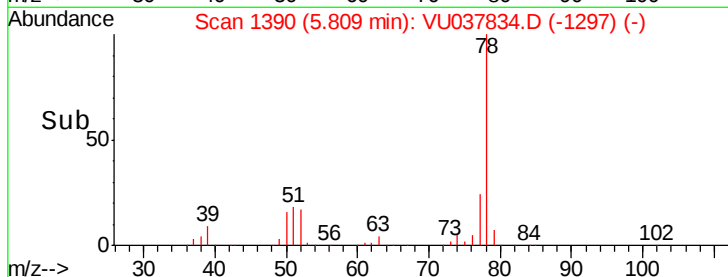
300000

200000

100000

0

Time-->



#51

Chlorobenzene

Concen: 227.608 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. 0.00 min

Lab File: VU037834.D

Acq: 21 Apr 2020 18:53

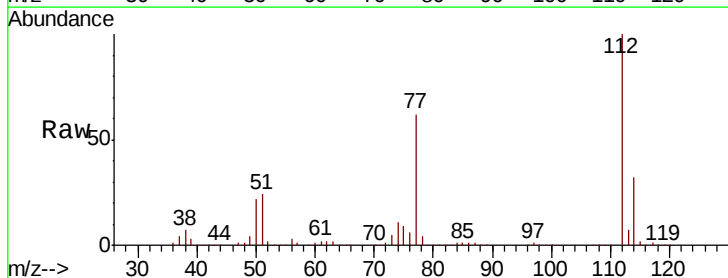
Tgt Ion: 112 Resp: 2584393

Ion Ratio Lower Upper

112 100

114 31.5 22.4 41.6

77 62.4 49.1 73.7



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

9.47

2000000

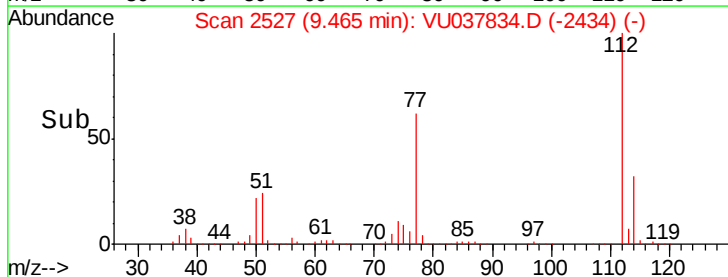
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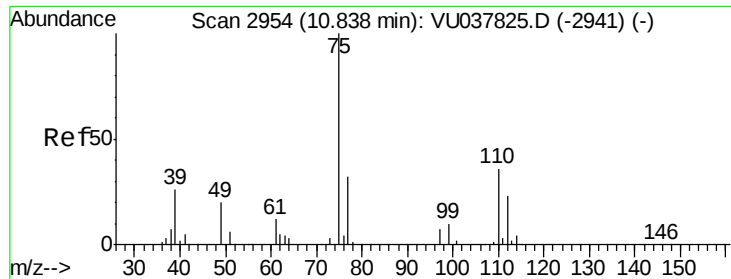
1000000

500000

0

Time-->

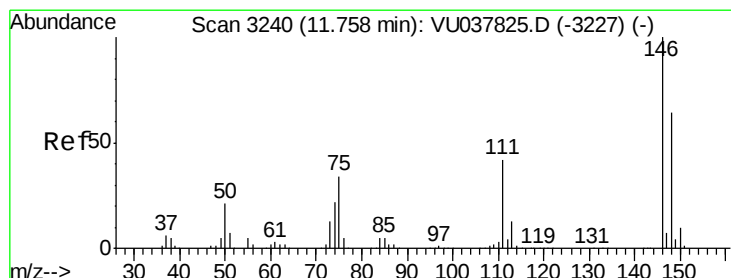
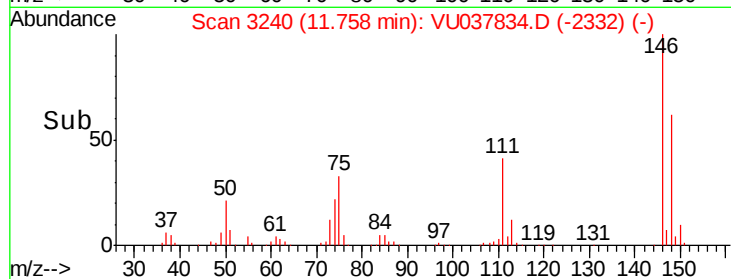
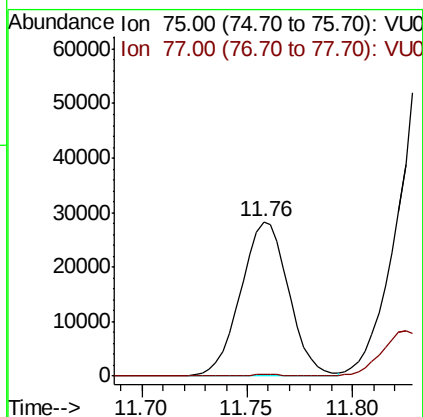
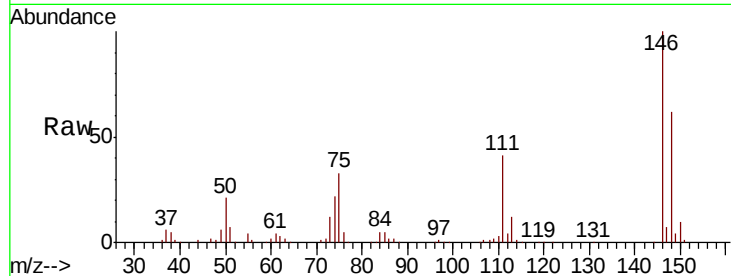




#59
 1,2,3-Trichloropropane
 Concen: 6.921 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.92 min
 Lab File: VU037834.D
 Acq: 21 Apr 2020 18:53

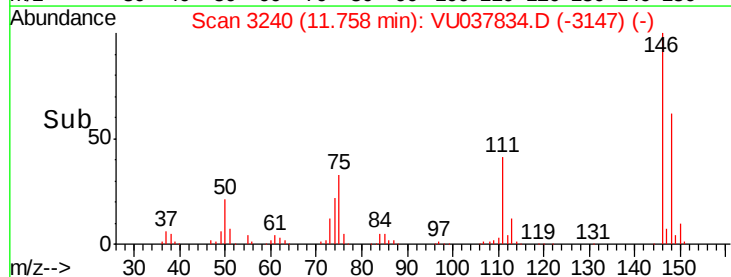
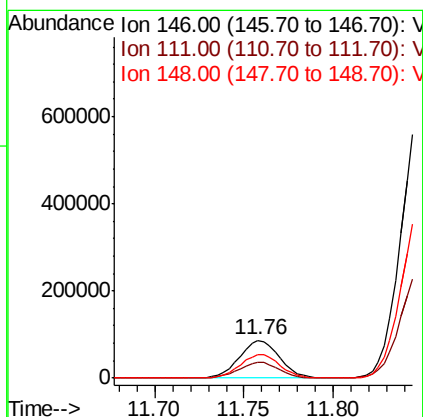
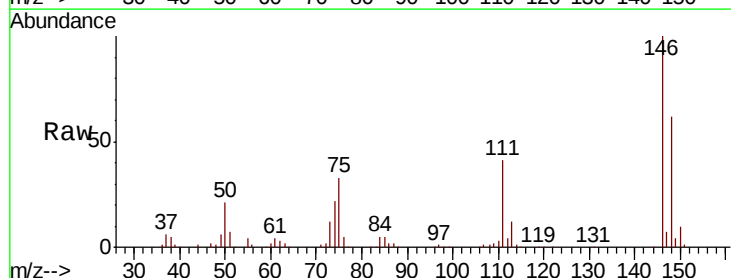
Instrument :
 MSVOA_U
 ClientSampled :

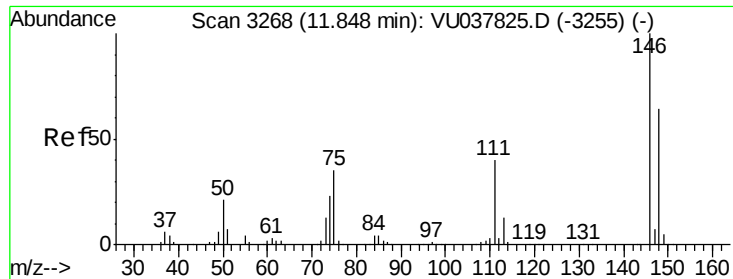
Tot Ion: 75 Resp: 44734
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.4 38.0#



#62
 1,3-Dichlorobenzene
 Concen: 15.244 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU037834.D
 Acq: 21 Apr 2020 18:53

Tgt Ion: 146 Resp: 134662
 Ion Ratio Lower Upper
 146 100
 111 41.2 28.9 53.7
 148 62.3 45.5 84.5

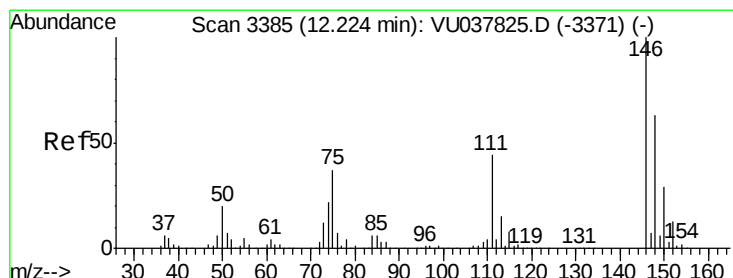
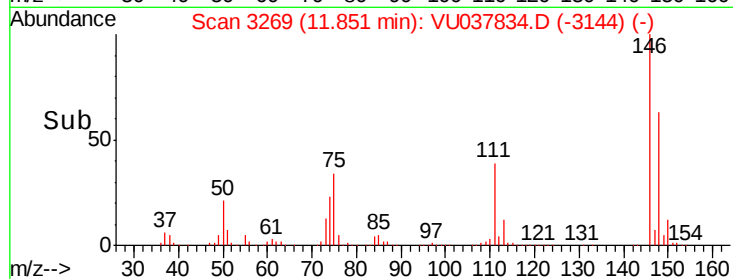
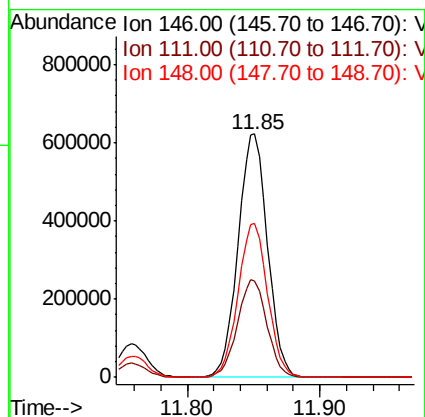
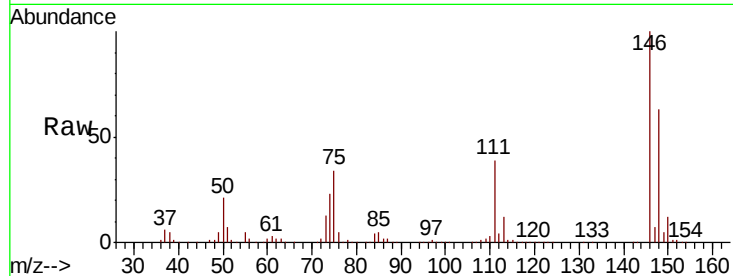




#63
 1,4-Dichlorobenzene
 Concen: 107.523 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037834.D
 Acq: 21 Apr 2020 18:53

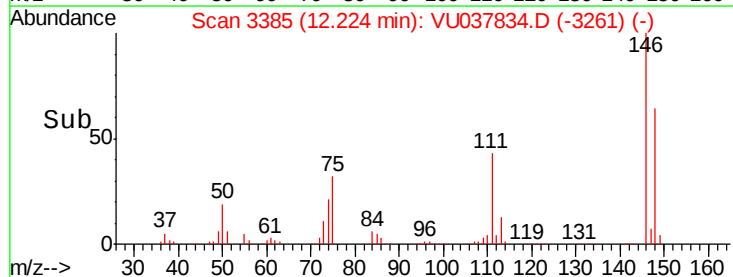
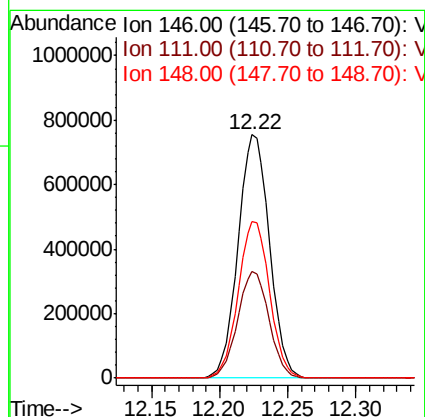
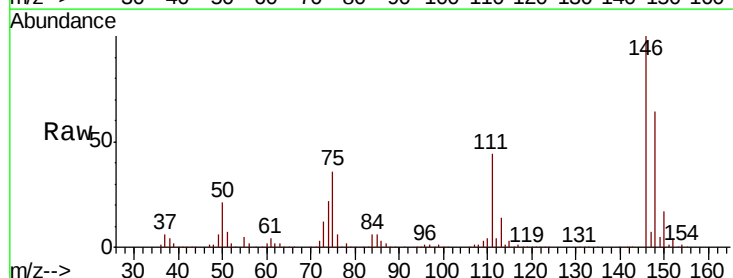
Instrument :
 MSVOA_U
 ClientSampleId :

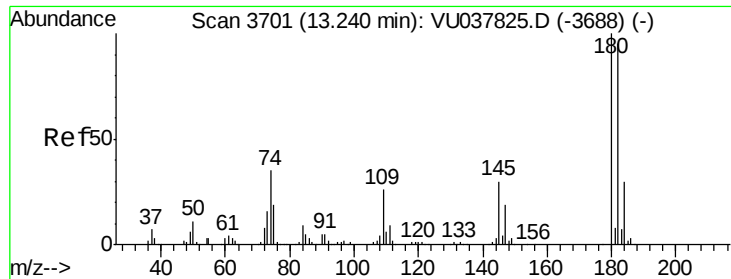
Tot Ion:146 Resp: 959014
 Ion Ratio Lower Upper
 146 100
 111 39.5 28.6 53.2
 148 63.0 44.7 82.9



#65
 1,2-Dichlorobenzene
 Concen: 138.398 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. 0.00 min
 Lab File: VU037834.D
 Acq: 21 Apr 2020 18:53

Tgt Ion:146 Resp: 1206069
 Ion Ratio Lower Upper
 146 100
 111 43.6 35.3 52.9
 148 64.4 51.3 76.9

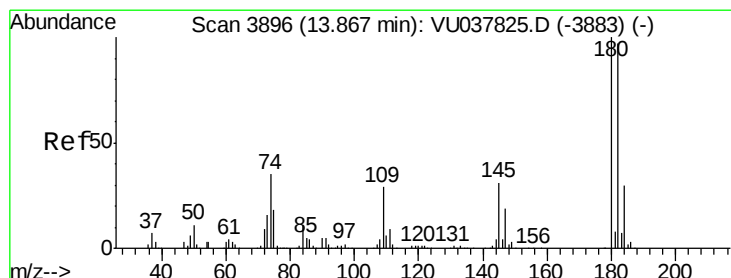
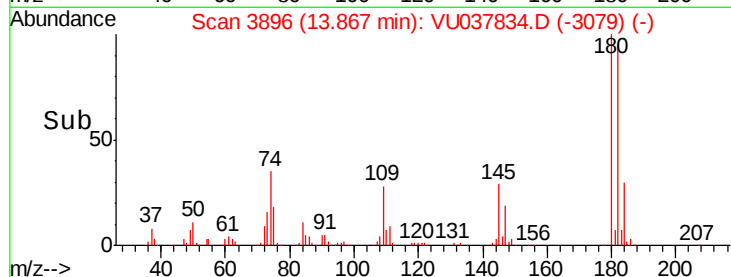
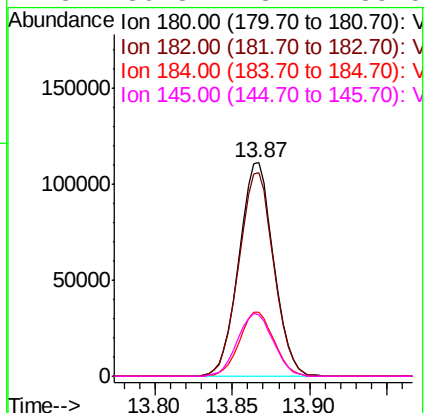
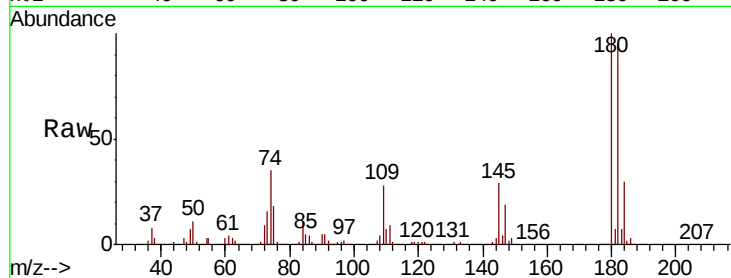




#67
 1,3,5-Trichlorobenzene
 Concen: 27.036 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.63 min
 Lab File: VU037834.D
 Acq: 21 Apr 2020 18:53

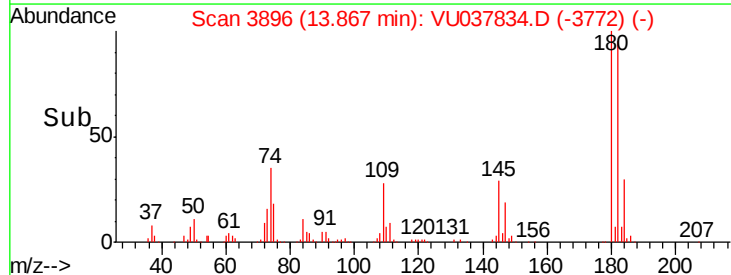
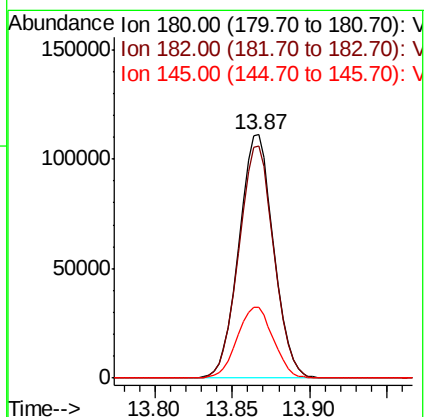
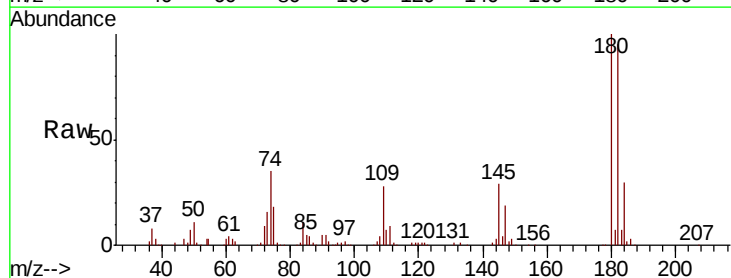
Instrument :
 MSVOA_U
 ClientSampleId :

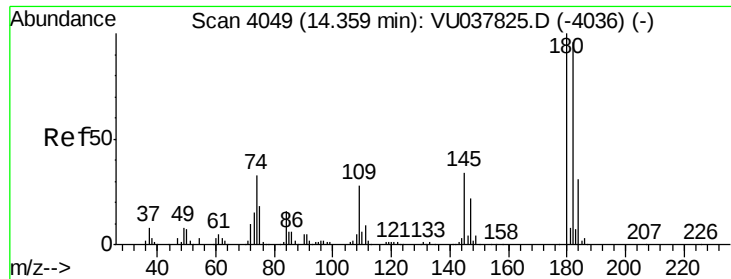
Tot Ion:180	Resp:	173375
Ion Ratio	Lower	Upper
180	100	
182	96.1	77.0 115.6
184	29.8	24.7 37.1
145	30.3	23.7 35.5



#68
 1,2,4-trichlorobenzene
 Concen: 28.421 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037834.D
 Acq: 21 Apr 2020 18:53

Tgt Ion:180	Resp:	173375
Ion Ratio	Lower	Upper
180	100	
182	96.1	76.2 114.4
145	30.3	24.3 36.5





#70

1,2,3-Trichlorobenzene

Concen: 7.729 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU037834.D

Acq: 21 Apr 2020 18:53

Instrument :

MSVOA_U

ClientSampleId :

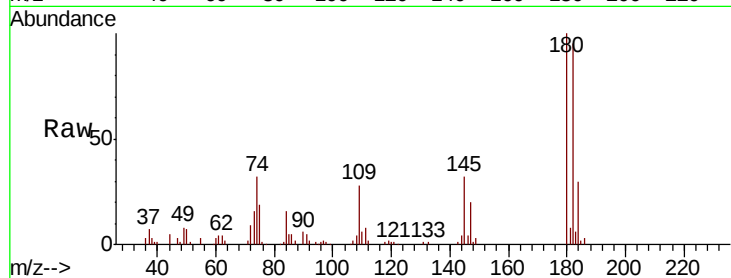
Tot Ion:180 Resp: 46918

Ion Ratio Lower Upper

180 100

182 95.8 77.0 115.4

145 33.4 26.2 39.4



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

