

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042120\
 Data File : VU037829.D
 Acq On : 21 Apr 2020 16:59
 Operator : JC/MD
 Sample : L2317-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 22 02:18:31 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	498346	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	480769	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	241964	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	200709	45.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.12%
7) Chloroethane-d5	1.93	69	169072	46.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.04%
11) 1,1-Dichloroethene-d2	2.59	63	262906	34.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.82%
21) 2-Butanone-d5	4.66	46	359980	99.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.00%
24) Chloroform-d	5.10	84	337062	46.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.78%
26) 1,2-Dichloroethane-d4	5.74	65	240402	48.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.04%
32) Benzene-d6	5.76	84	726314	48.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.48%
36) 1,2-Dichloropropane-d6	6.72	67	242822	48.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.90%
41) Toluene-d8	7.92	98	654406	48.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.04%
43) trans-1,3-Dichloropropene-	8.20	79	119796	47.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.52%
47) 2-Hexanone-d5	8.65	63	260378	99.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.42%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	330789	47.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.94%
64) 1,2-Dichlorobenzene-d4	12.20	152	246467	48.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

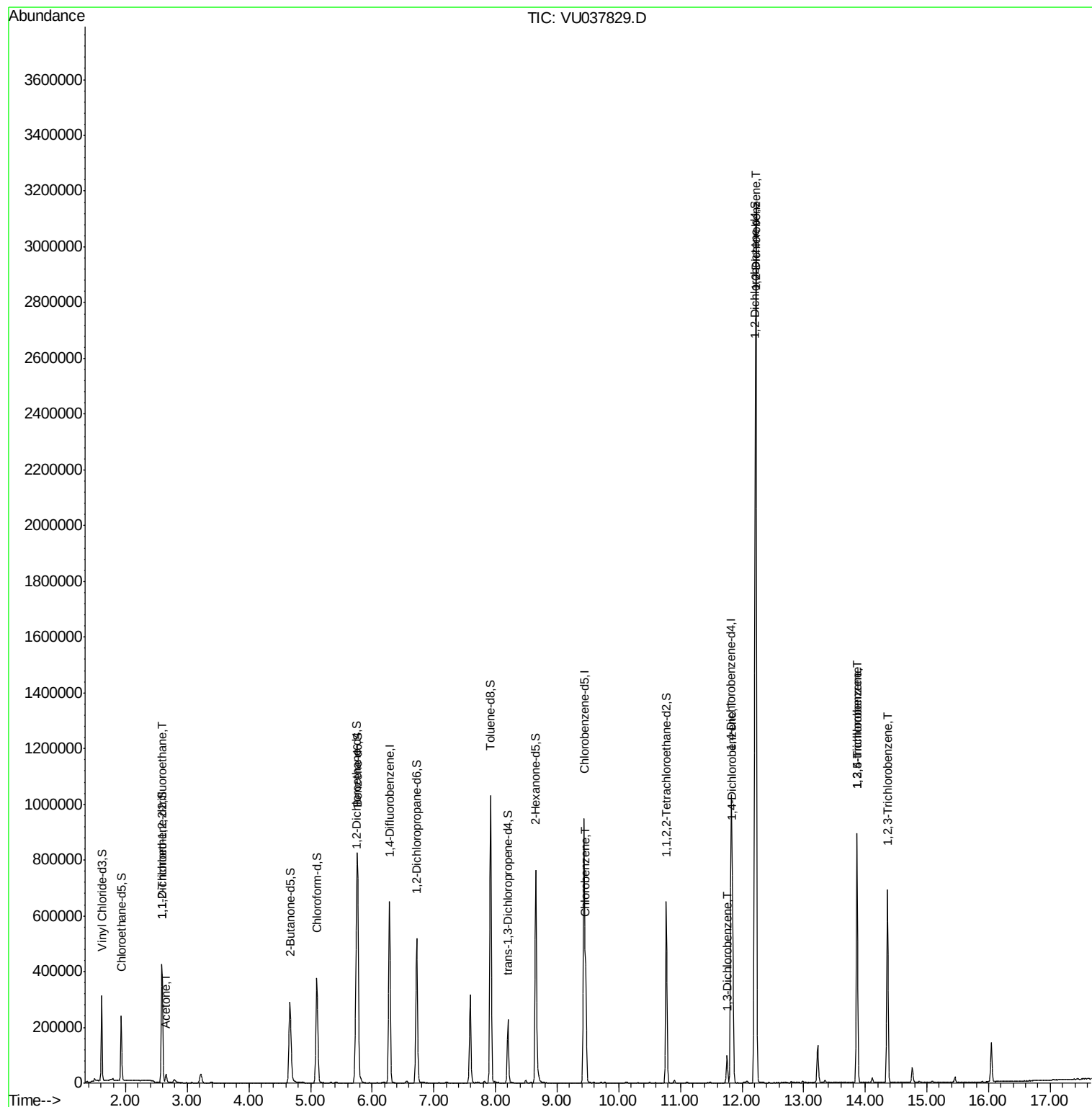
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2665	0.806	ug/L	# 24
13) Acetone	2.66	43	33466	13.837	ug/L	99
51) Chlorobenzene	9.47	112	190197	18.251	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	36018	4.401	ug/L	96
63) 1,4-Dichlorobenzene	11.85	146	226343	27.391	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	1106760	137.078	ug/L	99
67) 1,3,5-Trichlorobenzene	13.86	180	261205	43.964	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	261205	46.216	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	199421	35.458	ug/L	100

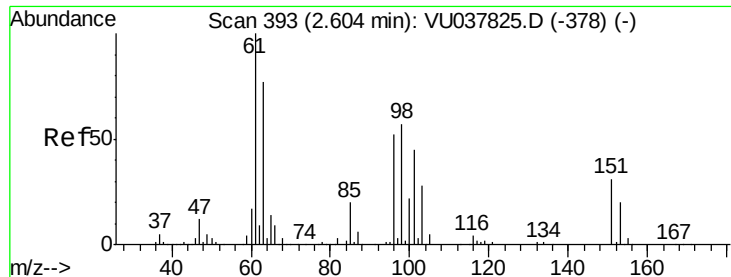
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Apr 22 02:16:18 2020
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.806 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU037829.D

Acq: 21 Apr 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

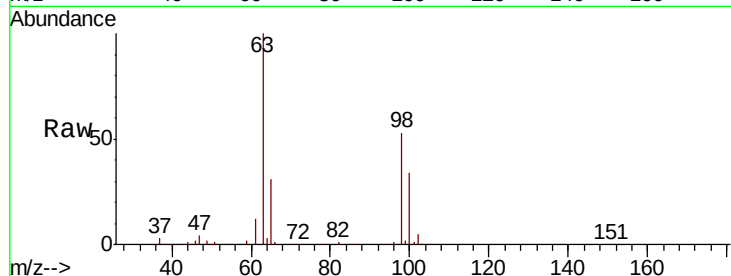
Tot Ion:101 Resp: 2665

Ion Ratio Lower Upper

101 100

85 0.0 35.3 52.9#

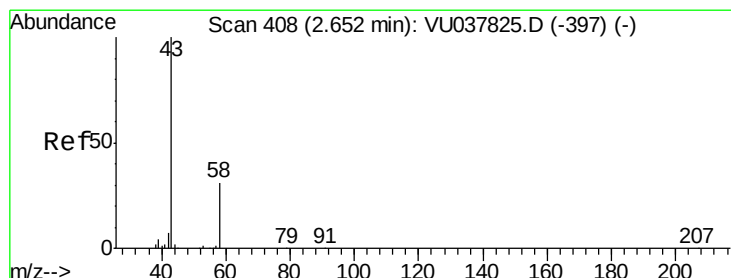
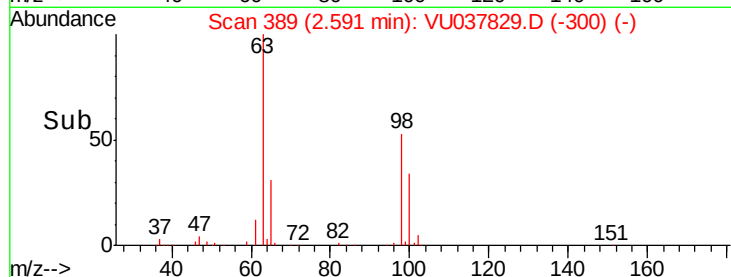
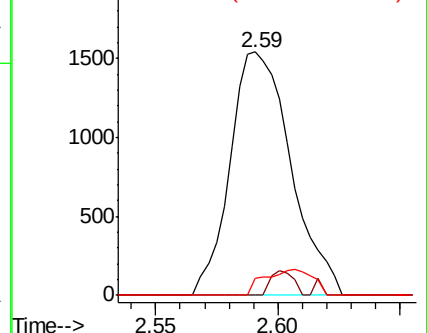
151 2.5 55.2 82.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 13.837 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037829.D

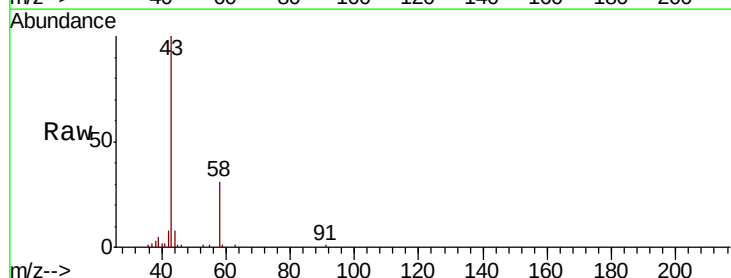
Acq: 21 Apr 2020 16:59

Tgt Ion: 43 Resp: 33466

Ion Ratio Lower Upper

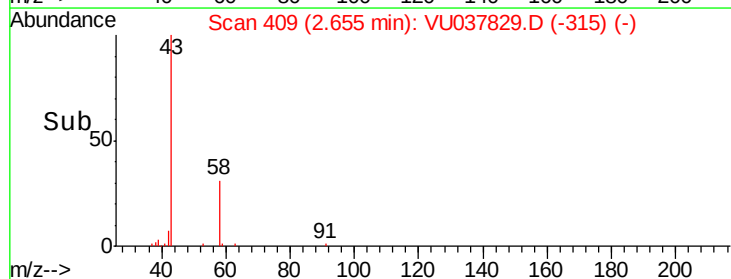
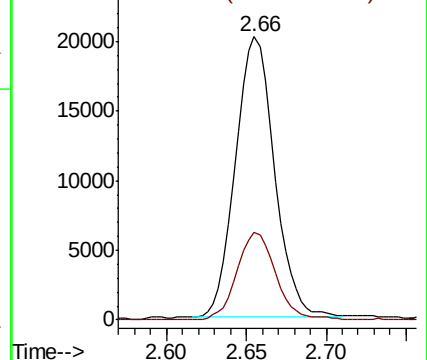
43 100

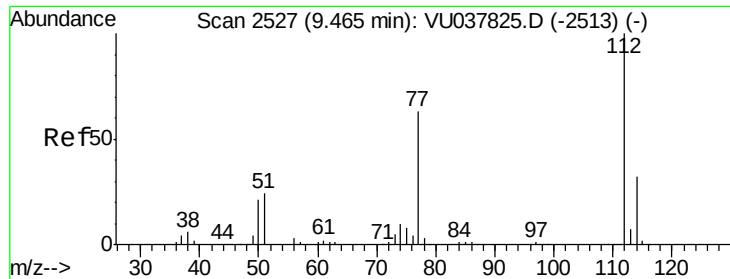
58 31.0 0.0 63.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#51

Chlorobenzene

Concen: 18.251 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. 0.00 min

Lab File: VU037829.D

Acq: 21 Apr 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

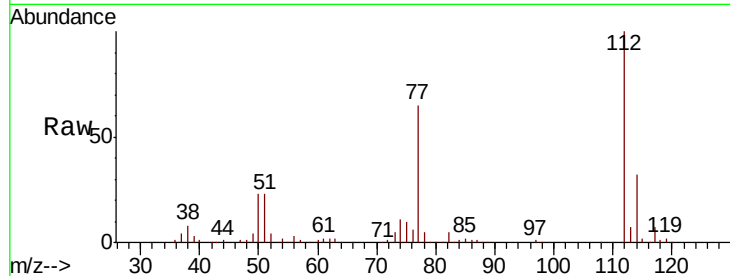
Tot Ion:112 Resp: 190197

Ion Ratio Lower Upper

112 100

114 32.1 22.4 41.6

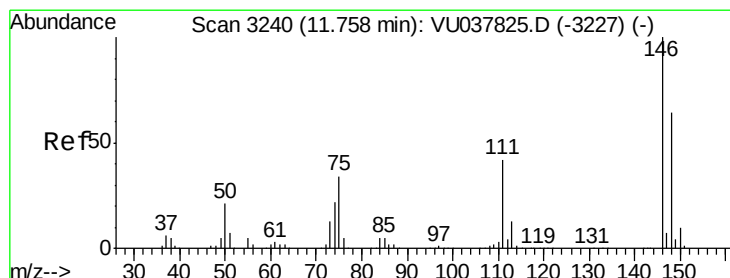
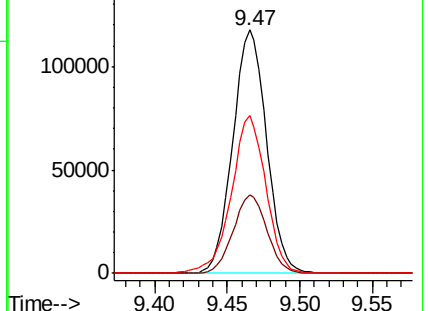
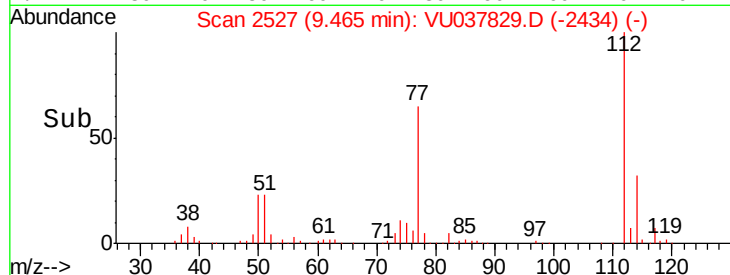
77 64.8 49.1 73.7



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): VU



#62

1,3-Dichlorobenzene

Concen: 4.401 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU037829.D

Acq: 21 Apr 2020 16:59

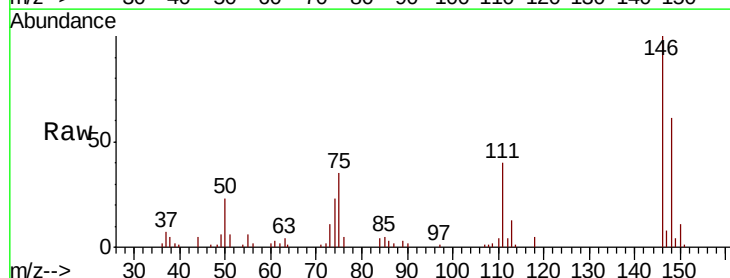
Tgt Ion:146 Resp: 36018

Ion Ratio Lower Upper

146 100

111 40.1 28.9 53.7

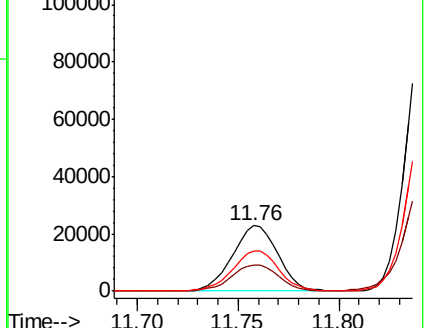
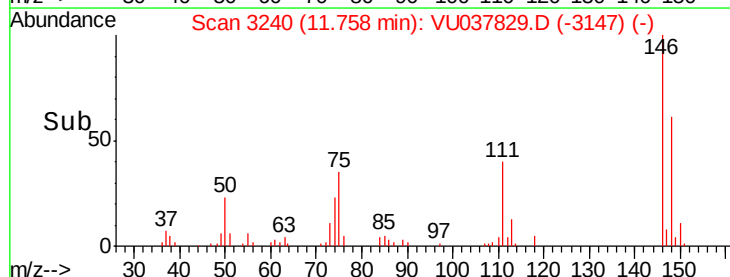
148 61.1 45.5 84.5

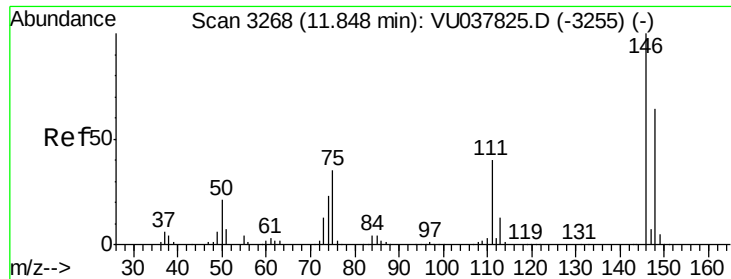


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

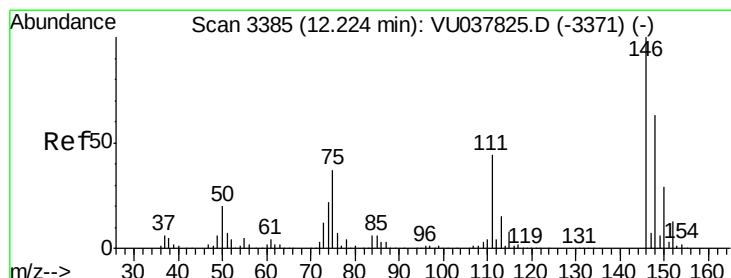
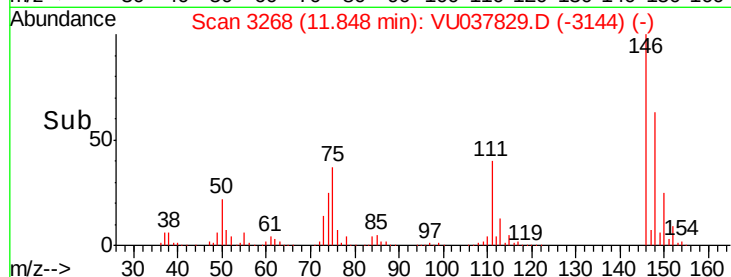
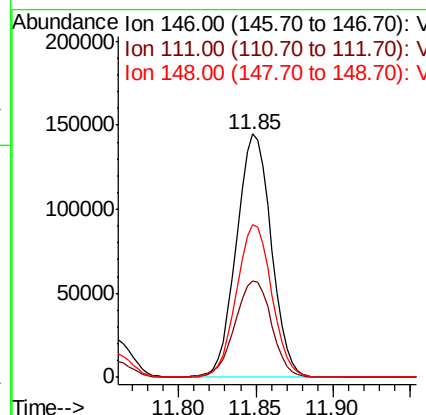
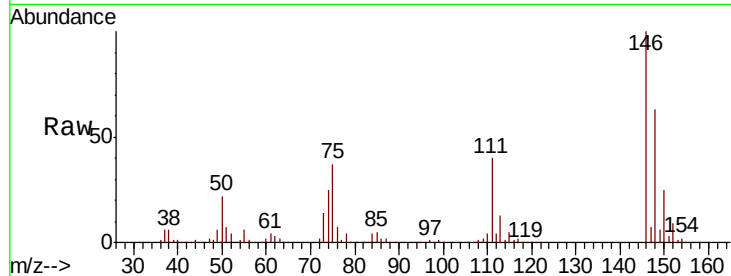




#63
 1,4-Dichlorobenzene
 Concen: 27.391 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU037829.D
 Acq: 21 Apr 2020 16:59

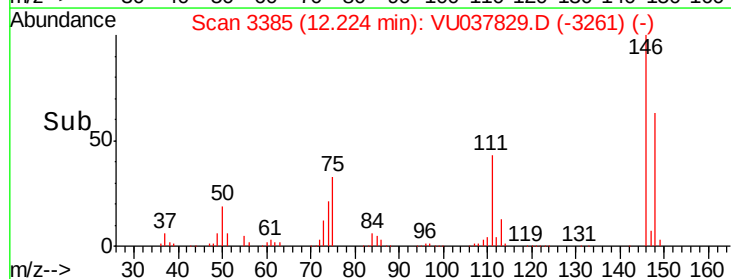
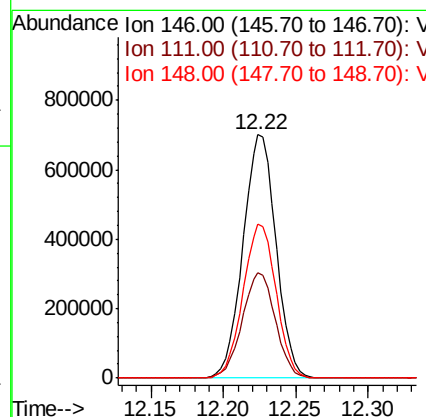
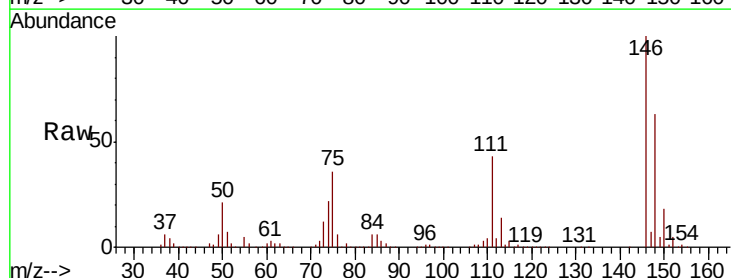
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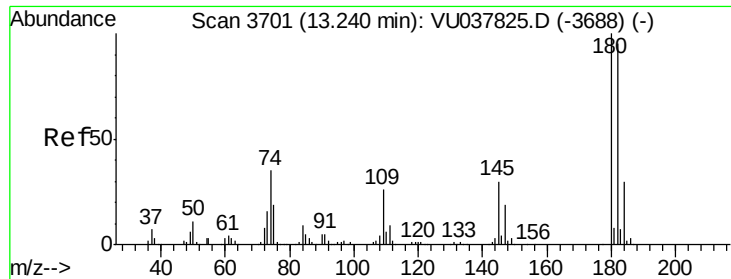
Tot Ion:146 Resp: 226343
 Ion Ratio Lower Upper
 146 100
 111 39.8 28.6 53.2
 148 62.8 44.7 82.9



#65
 1,2-Dichlorobenzene
 Concen: 137.078 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. 0.00 min
 Lab File: VU037829.D
 Acq: 21 Apr 2020 16:59

Tgt Ion:146 Resp: 1106760
 Ion Ratio Lower Upper
 146 100
 111 43.3 35.3 52.9
 148 63.1 51.3 76.9

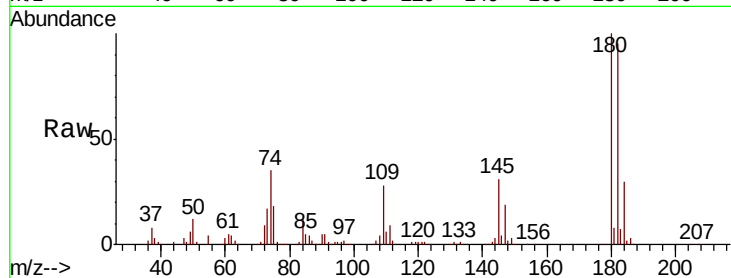




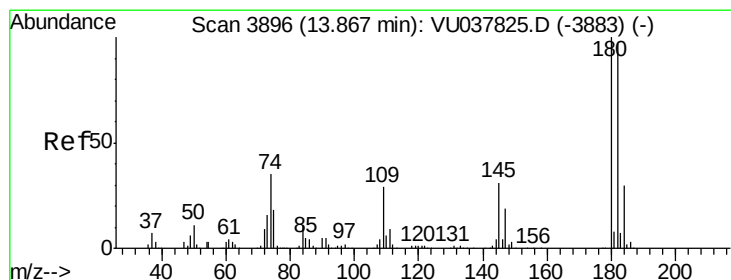
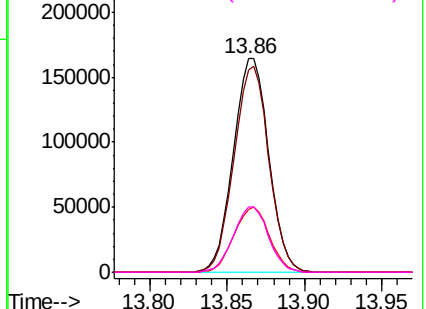
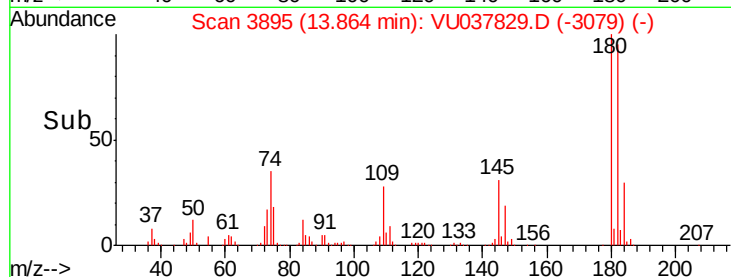
#67
 1,3,5-Trichlorobenzene
 Concen: 43.964 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.62 min
 Lab File: VU037829.D
 Acq: 21 Apr 2020 16:59

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	261205
Ion Ratio	Lower	Upper
180	100	
182	95.1	77.0 115.6
184	30.4	24.7 37.1
145	30.3	23.7 35.5

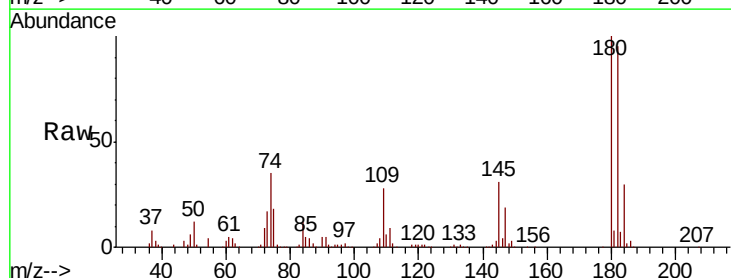


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

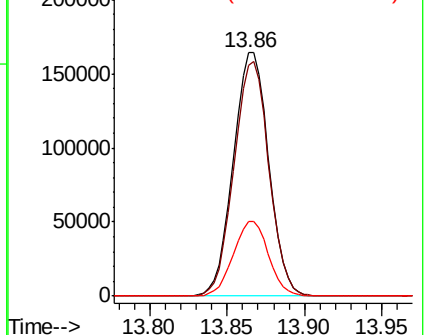
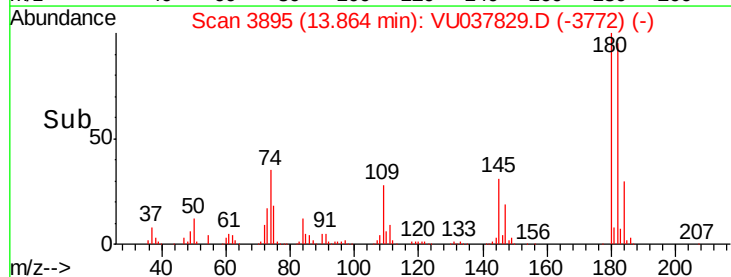


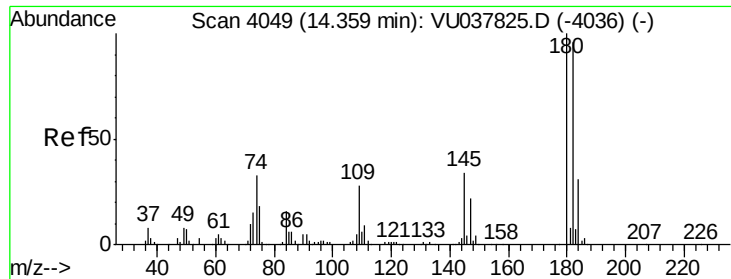
#68
 1,2,4-trichlorobenzene
 Concen: 46.216 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU037829.D
 Acq: 21 Apr 2020 16:59

Tgt Ion:180	Resp:	261205
Ion Ratio	Lower	Upper
180	100	
182	95.1	76.2 114.4
145	30.3	24.3 36.5



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: 35.458 ug/L
 RT: 14.36 min Scan# 4049
 Delta R.T. 0.00 min
 Lab File: VU037829.D
 Acq: 21 Apr 2020 16:59

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.0	115.4
145	32.4	26.2	39.4

