

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030520\
 Data File : VU037088.D
 Acq On : 05 Mar 2020 17:18
 Operator : JC/MD
 Sample : L1784-04DL 500X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AZ2DL

Quant Time: Mar 05 22:39:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 05 22:35:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	249146	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	234007	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	86241	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	74407	35.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.12%
7) Chloroethane-d5	1.93	69	78973	45.62	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.24%
11) 1,1-Dichloroethene-d2	2.59	63	106366	30.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.72%
21) 2-Butanone-d5	4.67	46	144350	102.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.85%
24) Chloroform-d	5.11	84	155559	48.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.38%
26) 1,2-Dichloroethane-d4	5.74	65	106729	49.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.72%
32) Benzene-d6	5.76	84	332189	49.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.18%
36) 1,2-Dichloropropane-d6	6.72	67	111830	51.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.02%
41) Toluene-d8	7.92	98	290992	46.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.70%
43) trans-1,3-Dichloropropene-	8.20	79	45416	44.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.16%
47) 2-Hexanone-d5	8.66	63	97743	91.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.18%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	158927	51.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.84%
64) 1,2-Dichlorobenzene-d4	12.21	152	89173	52.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.78%

Target Compounds

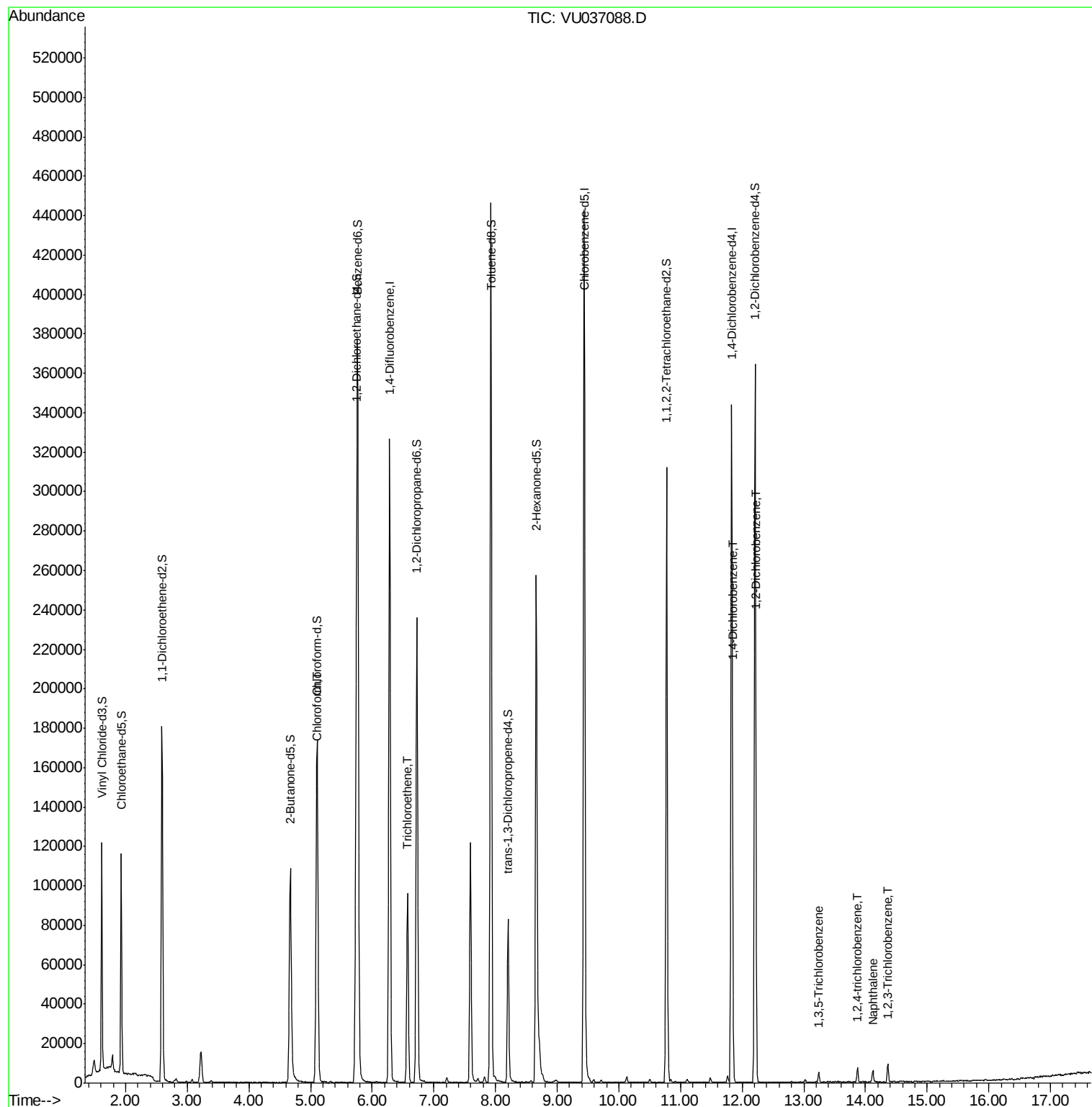
					Ovalue
25) Chloroform	5.12	83	2651	0.818 ug/L	95
34) Trichloroethene	6.57	95	32693	17.993 ug/L	96
63) 1,4-Dichlorobenzene	11.85	146	3879	1.403 ug/L	96
65) 1,2-Dichlorobenzene	12.23	146	2669	0.955 ug/L #	90
67) 1,3,5-Trichlorobenzene	13.24	180	1692	0.953 ug/L	95
68) 1,2,4-trichlorobenzene	13.87	180	2556	1.921 ug/L	97
69) Naphthalene	14.12	128	5358	2.281 ug/L	98
70) 1,2,3-Trichlorobenzene	14.37	180	2813	2.116 ug/L	98

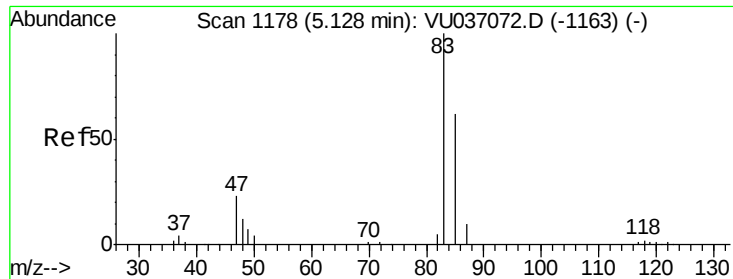
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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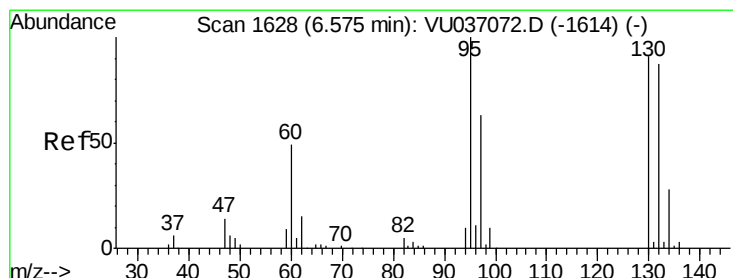
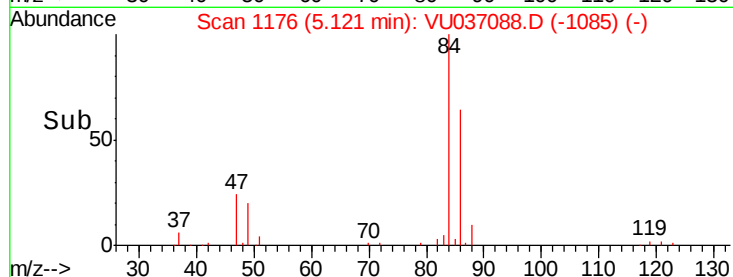
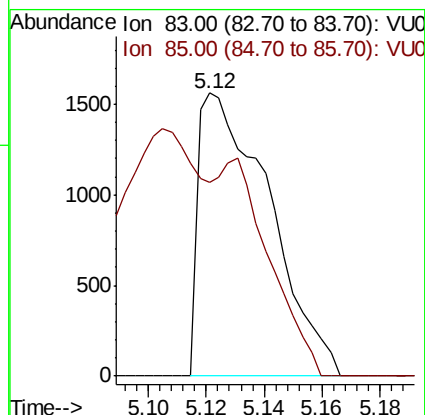
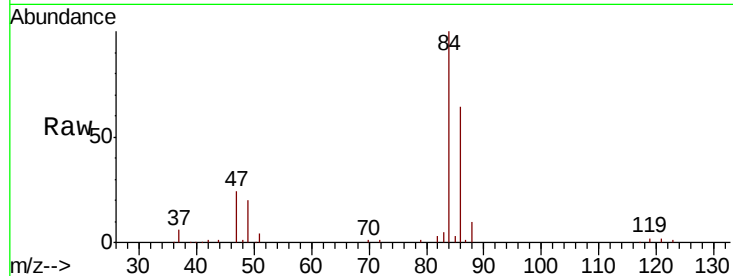




#25
Chloroform
Concen: 0.818 ug/L
RT: 5.12 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VU037088.D
Acq: 05 Mar 2020 17:18

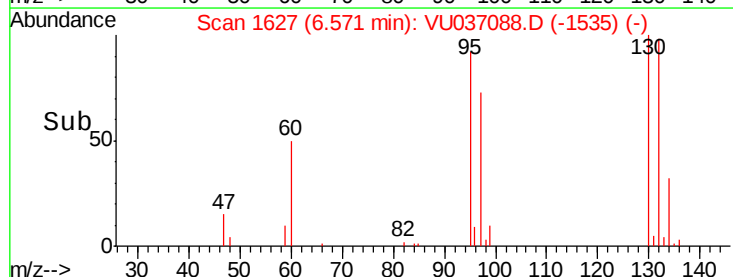
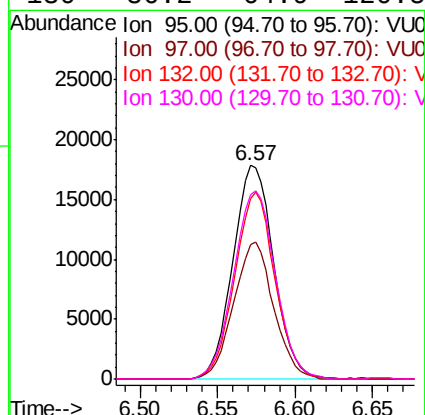
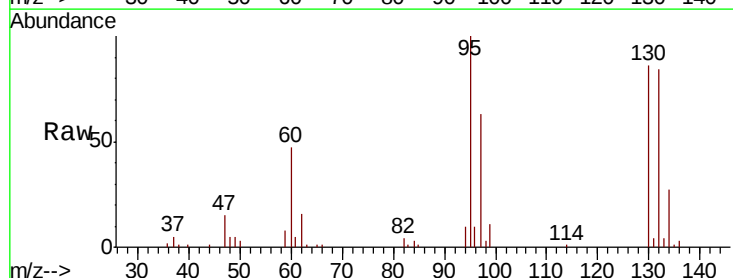
Instrument :
MSVOA_U
ClientSampleId :
C0AZ2DL

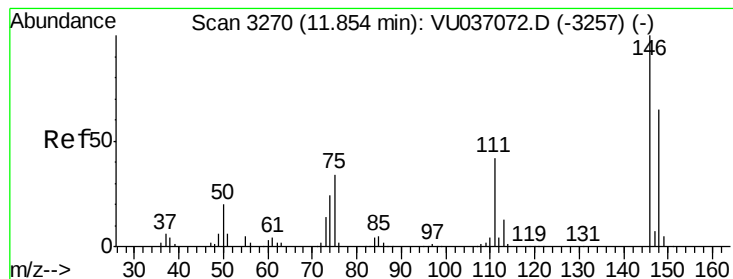
Tot Ion: 83 Resp: 2651
Ion Ratio Lower Upper
83 100
85 68.4 45.1 83.9



#34
Trichloroethene
Concen: 17.993 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VU037088.D
Acq: 05 Mar 2020 17:18

Tgt Ion: 95 Resp: 32693
Ion Ratio Lower Upper
95 100
97 62.8 44.1 81.9
132 84.4 60.6 112.6
130 86.2 64.9 120.5





#63

1,4-Dichlorobenzene

Concen: 1.403 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. -0.00 min

Lab File: VU037088.D

Acq: 05 Mar 2020 17:18

Instrument :

MSVOA_U

ClientSampleId :

C0AZ2DL

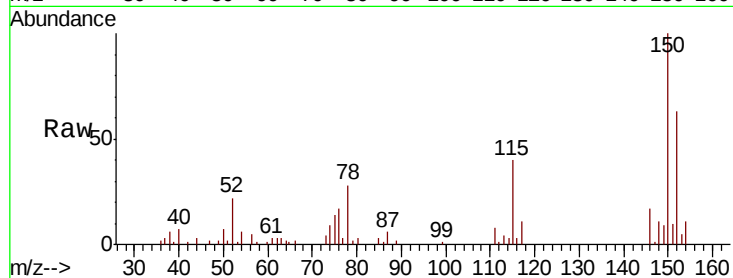
Tot Ion:146 Resp: 3879

Ion Ratio Lower Upper

146 100

111 47.5 29.8 55.4

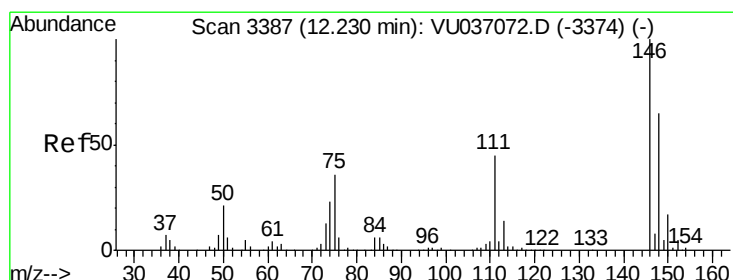
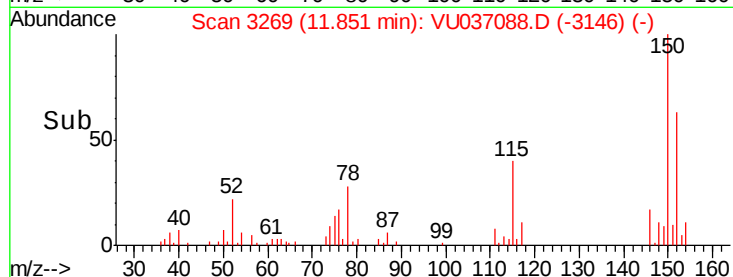
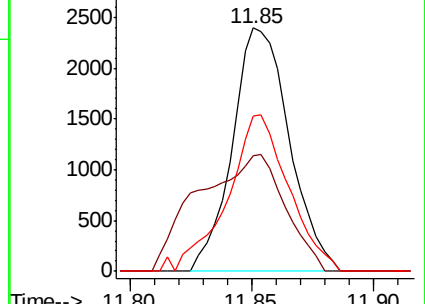
148 63.7 45.1 83.9



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: 0.955 ug/L

RT: 12.23 min Scan# 3387

Delta R.T. -0.00 min

Lab File: VU037088.D

Acq: 05 Mar 2020 17:18

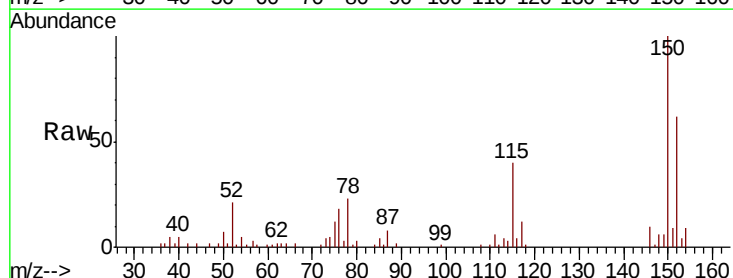
Tgt Ion:146 Resp: 2669

Ion Ratio Lower Upper

146 100

111 59.1 35.4 53.0#

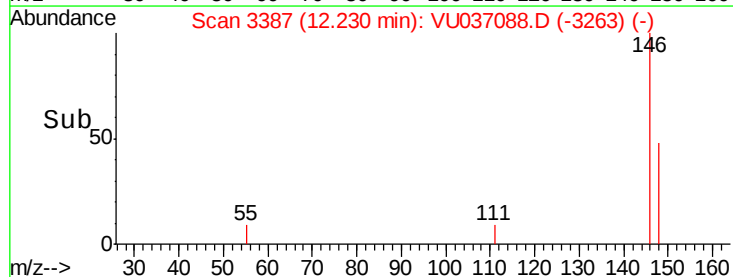
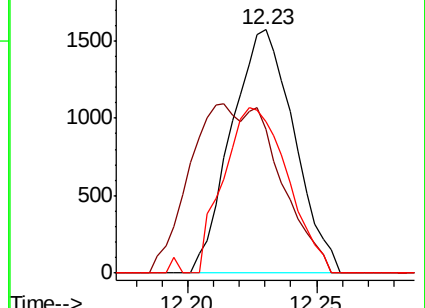
148 62.4 50.5 75.7

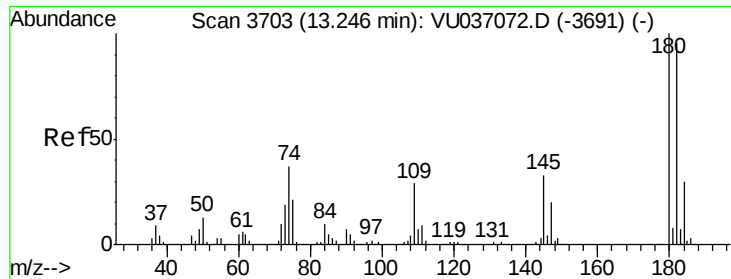


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

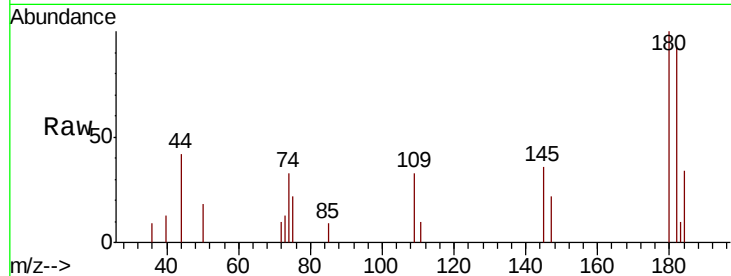




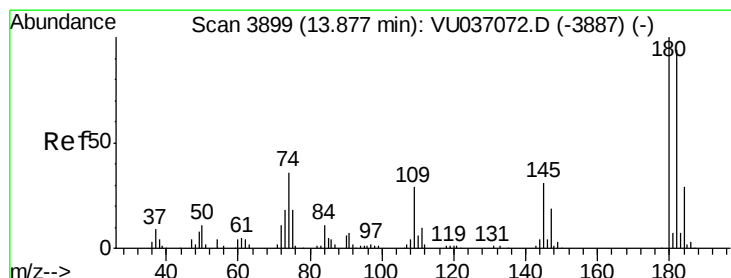
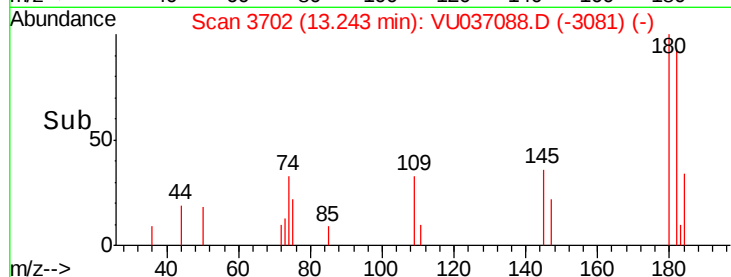
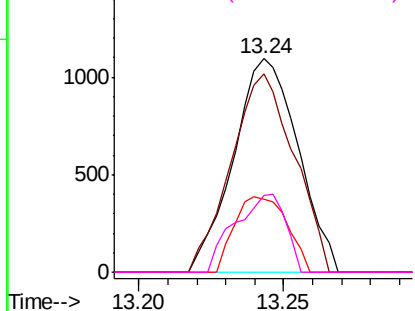
#67
 1,3,5-Trichlorobenzene
 Concen: 0.953 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU037088.D
 Acq: 05 Mar 2020 17:18

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AZ2DL

Tot Ion:180 Resp: 1692
 Ion Ratio Lower Upper
 180 100
 182 90.8 76.9 115.3
 184 28.6 24.2 36.2
 145 28.5 25.3 37.9

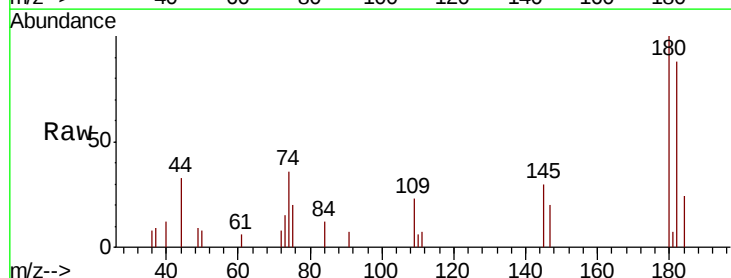


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

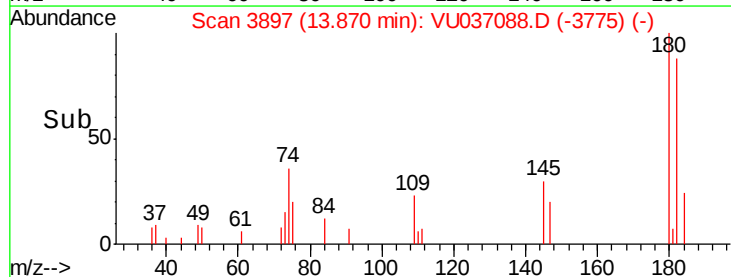
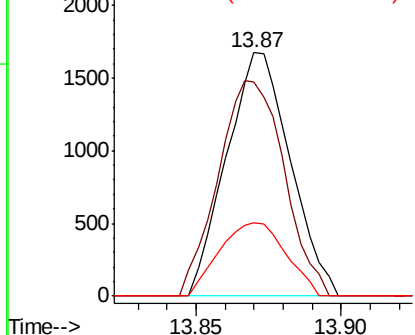


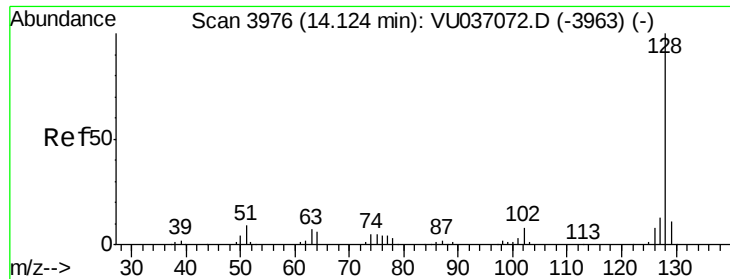
#68
 1,2,4-trichlorobenzene
 Concen: 1.921 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. -0.01 min
 Lab File: VU037088.D
 Acq: 05 Mar 2020 17:18

Tgt Ion:180 Resp: 2556
 Ion Ratio Lower Upper
 180 100
 182 91.4 75.3 112.9
 145 31.5 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





#69

Naphthalene

Concen: 2.281 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. -0.01 min

Lab File: VU037088.D

Acq: 05 Mar 2020 17:18

Instrument :

MSVOA_U

ClientSampleId :

C0AZ2DL

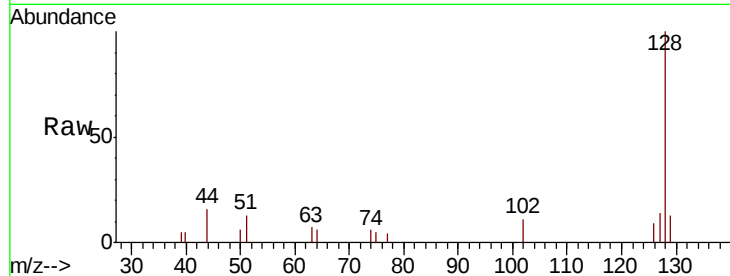
Tot Ion:128 Resp: 5358

Ion Ratio Lower Upper

128 100

127 12.5 11.0 16.4

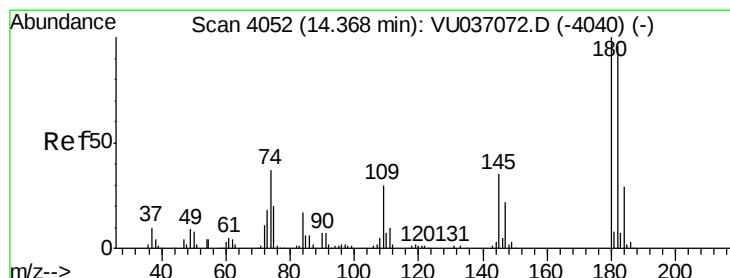
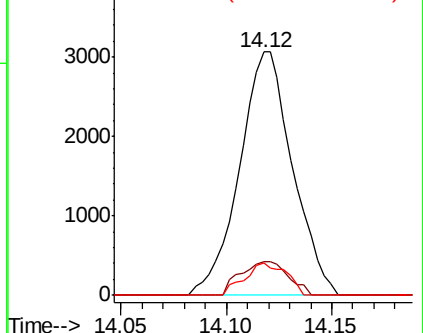
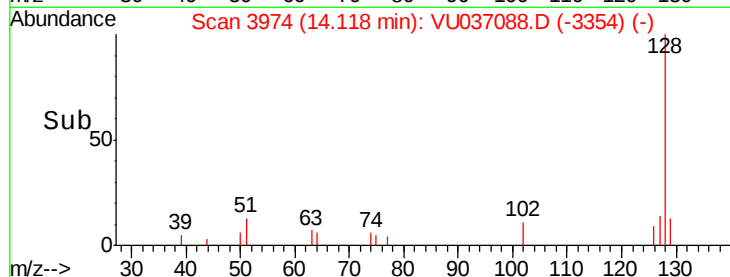
129 10.4 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 2.116 ug/L

RT: 14.37 min Scan# 4051

Delta R.T. -0.00 min

Lab File: VU037088.D

Acq: 05 Mar 2020 17:18

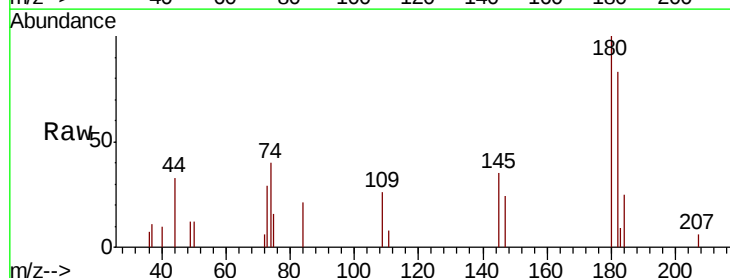
Tgt Ion:180 Resp: 2813

Ion Ratio Lower Upper

180 100

182 95.0 77.0 115.6

145 32.1 28.1 42.1



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

